



FITTINGS • VALVES • HOSE • CLAMPS & ACCESSORIES



2021



MIDLANDINDUSTRIES.COM | FIND US ON: f i n

ACCOUNT MANAGER

FULL CONTROL AT YOUR FINGER TIPS!

MUCH MORE THAN JUST PLACING ORDERS!

LOG INTO

ACCOUNT MANAGER FOR:

- Get Account Information
- New Customer Profile
- Check Your Order History
- Access Your Invoices
- Download Current Pricing
- Print Bin Labels
- Check Backorders
- Print Invoices
- Pick A Preferred Warehouse
- Save Orders
- Manage Part Numbers
- Quick Order
- Upload Your Order
- And More...



Login or Open an Account

SEARCH



> HOME > ABOUT US > OUR SERVICES > CONTACT US > BLOG



Speed Order (add items to your cart)

Part # QTY

Survey

What industries do you serve? (Hold Shift to select multiple)
Beverage
Car Wash
Compressor
Farm and Ag

Any Other Industries Served?

Check Price and Availability

Product Search

Account Links

Orders [Place an Order \(?\)](#) Account [Manage Part Numbers \(?\)](#)

Overview

	Open	Total
Orders (?)	0	\$0
Invoices (?)	0	\$0

Your Preferred Warehouse

Account Details

Account # 100
Company Name ABC Supply
Sales Rep INDUSTRIAL ACCOUNT
Multiplier
Saved Orders Request an Appointment

LOG IN TO MIDLANDINDUSTRIES.COM

VISIT WWW.MIDLANDINDUSTRIES.COM AND LOGIN TO YOUR ACCOUNT USING YOUR CUSTOMER ID AND PASSWORD.

- View your price and available stock.
- View open orders and tracking information on all shipments.
- Download pricing files.
- Update your Customer Profile and Contacts
- For Purchasing, Accounts Payable, Sales, and Marketing.
- Check your message center to see the latest updates and specials.

CUSTOMER ID # : _____

PASSWORD : _____

MULTIPLIER : _____

Fax 1-800-877-5391



sales@midlandindustries.com

FIND WHAT YOU NEED

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MIDLANDINDUSTRIES.COM

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THE BUILT TO SERVE ADVANTAGE

As a new family of companies working together we're building the most powerful platform our industry has ever seen.

Founded upon a legacy of customer service, our mission is to give you a distinct competitive advantage. As a leader in globally sourced and domestically manufactured products we're providing needed innovations to distributor supply chains with a variety of marketing and data driven initiatives.

Save time and money with the industry knowledge that comes from decades of experience and hard work. Building advantage means you gain access to our growing network of distribution centers across North America. Come see what the Midland Advantage can do for your business.

THE PERFECT FIT

For decades the Midland family has been the chosen manufacturer and supplier of fittings, valves, hose and accessories to distributors across North America. Today's Midland Industries and our family of companies are committed to helping our customer serve their customers better Experience simple, worry-free products and innovations that make doing business easier.



Midland Metal

A MIDLAND INDUSTRIES COMPANY



Anderson Metals

A MIDLAND INDUSTRIES COMPANY



STAINLESS
ADAPTERS INC.

A MIDLAND INDUSTRIES COMPANY



CHAMPION BRASS
FITTINGS • CONNECTORS • VALVES

A MIDLAND INDUSTRIES COMPANY



MID-AMERICA
FITTINGS, LLC.

A MIDLAND INDUSTRIES COMPANY



BUCHANAN
RUBBER LTD

A MIDLAND INDUSTRIES COMPANY



AMIFLEX INC.

A MIDLAND INDUSTRIES COMPANY

www.MidlandIndustries.com | 800-821-5725

Connect with us



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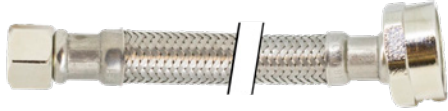
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NEW PRODUCTS

STAINLESS STEEL SUPPLY CONNECTOR

BALLCOCK CONNECTOR NOW
WITH N/P BRASS NUT



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LEAD FREE, FULL PORT BRASS BALL VALVES PUSH-FITTING END



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LF BRASS FROST FREE SILLCOCK VALVES/ ANTI SIPHON



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LOW PRESSURE LF BRASS VALVES



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NOW CARRYING FULL LINE OF



 A MIDLAND INDUSTRIES COMPANY



 A MIDLAND INDUSTRIES COMPANY

**NICKEL PLATED
PUSH-IN FITTINGS
WITH NICKEL
PLATED COLLET**



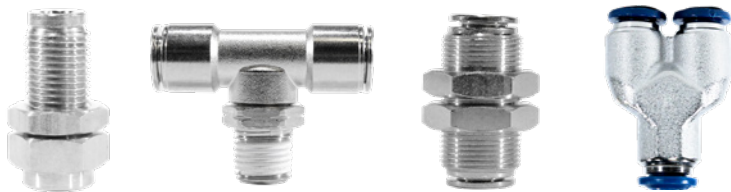
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**BRONZE IPS
GATE VALVE**



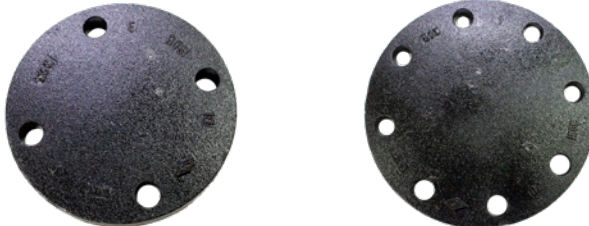
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SS PUSH-IN FITTINGS



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BLIND FLANGES



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**SCH 40 SINGLE RUN
NIPPLE BLACK**



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BUILDING ADVANTAGE STARTS WITH VISIBILITY.

YOUR BRAND IS OUR BRAND. At Midland we keep our name off of everything so your customers only see yours. Our dedication to being a silent partner helps you build your brand while gaining critical exposure your market.

Our customized suite of **MARKETING TOOLS** helps you grow and expand your business. We make it simple to sell and ship with greater ease and accuracy.

TO SCHEDULE A DEMO CONTACT; SALES@MIDLANDINDUSTRIES.COM. LET'S START BUILDING TOGETHER!

MARKETING



CUSTOM CATALOG

Print custom catalogs with your brand, your pricing and your contact information.



FREE E-COMMERCE SITE

We will provide you with a free, fully functional, custom branded e-commerce site, pre-loaded with all of Midland's 20,000 items.

ORDER GATHERING



BIN LABELS

Create & print personalized bin labels with your brand to affix to bin boxes. Helps with reorders and managing your warehouse.



MIDLAND APP

Use the app to scan bin labels on location to quickly reorder, check stock and pricing. Save orders to submit later.

SHIPPING



PRIVATE LABEL

Private label shipments with your logo on boxes, packing slips and product labels...shipped how you want it, today!



ABC SUPPLY
 1234 Main Ave, Supply, NY - 10001
 WWW.ABCSUPPLYZ.COM - 1-888-555-5555

WWW.ABCSUPPLYZ.COM - 1-888-555-5555
 1234 Main Ave, Supply, NY - 10001
 ABC SUPPLY

OPTION A (FREE): CUSTOM DIGITAL

Our designers will work with you to create a cover that incorporates your logo, colors and photos.

OPTION B: CUSTOM COVER

CONTACT YOUR SALES REP FOR PRICING

List price, net price or anywhere in between. You set the pricing that is right for you.

OPTION C: CUSTOMIZED CATALOG

CONTACT YOUR SALES REP FOR PRICING

Your company logo and contact information will print on the footer of each page. Minimum of 25

GET STARTED TODAY

MidlandIndustries.com/marketing

CUSTOM CATALOG

Print custom catalogs with your brand, your pricing and your contact information.

A UNIQUE CATALOG AT A REASONABLE PRICE

Using Midland's newest catalog as a template, we can completely customize the look, contact information, and pricing to fit your company's needs. The process is simple and takes about a month to complete (times may vary due to the printer's schedule). Work with our designer to customize a catalog that is unique and properly represents your company.

Custom Catalogs have list prices so your sales team can use to sell to your customers.

UNION TEE

Part #	Thread size NPTF	A	B	C	Approx. Wt. Lbs.	List Price
28-024	1/8"	0.55	0.55	0.56	0.08	8024
28-025	1/4"	0.78	0.78	0.68	0.17	8025
28-026	3/8"	0.84	0.84	0.81	0.22	8026
28-027	1/2"	1.09	1.09	1.00	0.43	8027
28-028	3/4"	1.16	1.16	1.25	0.64	8028

UNION FORGED TEE

Part #	Thread size NPTF	A & B	Body Width	Approx. Wt. Lbs.	List Price
28-032	1/8"	0.56	0.50	0.06	8032
28-033	1/4"	0.71	0.68	0.13	8033
28-034	3/8"	0.81	0.81	0.16	8034
28-035	1/2"	1.00	1.00	0.27	8035
28-036	3/4"	1.16	1.25	0.53	8036
28-023	1"	1.42	1.50	.924	8023

www.abcsupplyz.com

Toll Free Phone 1-800-555-5555



ABC SUPPLY

search items...



Log In | Register

CATEGORIES

- Accessories
- Brass
- Clamps
- High Pressure
- Sprayer
- Hydraulics
- Lead Free
- Nipples & Fittings
- Pneumatics
- Truck And Trailer
- Tubing
- Valves



SPECIAL DEAL!

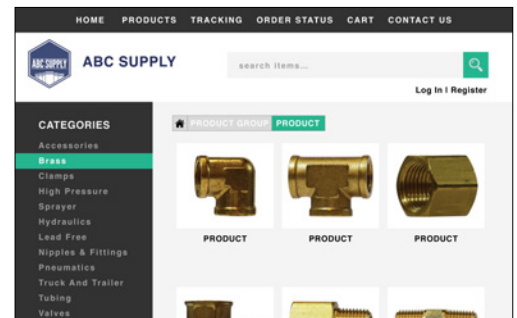
SHOP.BRASSCATALOG

Midland Industires will provide you with a fully functional branded E-commerce site, preloaded with every one of Midland's 40,000 items.

HOW IS IT USED?

Shop Brass Catalog (SBC) is an e-commerce platform we have developed for our customers to sell our products to their customers. Our customers can choose to have Midland fulfill the order or they can fulfill the order themselves.

SBC can be used as a Point of Sale system for showroom floor sales. Simply enter the order on the website while the customer is at the counter, get P.O. number from the customer and enter the order. Then simply use the site to log orders and bill them.



Product	Part Number	Quantity	Unit Price	Total
ITEM 1	ABC123456	<input type="text" value="100"/>	\$3.53	\$353.00
ITEM 2	ABC78901	<input type="text" value="100"/>	\$9.49	\$949.00
ORDER SUBTOTAL				\$1,302.00
ESTIMATED SHIPPING				\$22.73
TOTAL				\$1324.73

ADDITIONALFEATURES

- Easy Sign-Up
- Free Marketing Materials
- Custom Items
- Cart and Checkout
- Admin Page



IDENTIFICATION TAGS
 Tags and packing slips are printed with your company information.

PERSONALIZED
 Tags for each product ordered, including your part number if provided.

SHIPPING
 Shipped in a blank box, with no reference to Midland anywhere.

GET STARTED TODAY
MidlandIndustries.com/marketing

PRIVATE LABELING

Private label shipments with your logo on boxes, packing slips and product labels.

SHIPPED HOW YOU WANT IT, TODAY!

Last year, Midland Industries shipped over 17,000 private labeled packages for our customers. Our customers trust Midland with their customers! Private-labeled packages are shipped in generic boxes with your return shipping information on the pack list and a generic UPS label; Midland isn't referenced anywhere on the shipment. Using this program you have access to an additional 40,000 items without investing in additional inventory. Drive up your profits-not your inventory costs-by using Midland Industries' Private Label Shipping.



PERSONALIZED

Print labels with pictures and barcodes.

SCAN

Using the Midland Metal mobile app you can scan the labels to check stock and place orders.

CUSTOMER SERVICE

Put your custom labels on your customer's bins.

GET STARTED TODAY

MidlandIndustries.com/marketing

BIN LABELS ON DEMAND

Now you can create and print personalized Bin Labels on demand for any product that Midland carries. Labels can be customized with your logo or name. Multiple sizes available.

BIN LABELS FOR MIDLAND PRODUCTS

Looking for a way to keep your foot in the door with your customers? Try labeling their bins. Using easy-to-follow steps, you're able print labels with pictures and barcodes. Then, using the Midland app, scan the labels on the bins to place orders. Not only will you save time with stock replenishment, you will improve your relationship with your customers as well.

4" x 2"

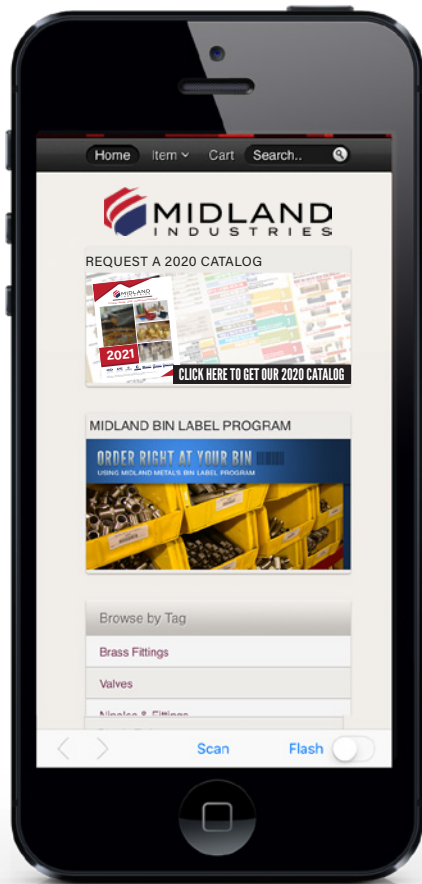


3.5" x 2"



2.625" x 1"





CHECK STOCK/PRICING

The mobile app gives you quick access to stock and pricing on your displayed items.

SEARCH

Search for products by part number or keyword. Browse by category or type.

CUSTOMER SERVICE

Manage your customer's inventory by using your custom bin labels. Scan for quick reordering.

GET STARTED TODAY

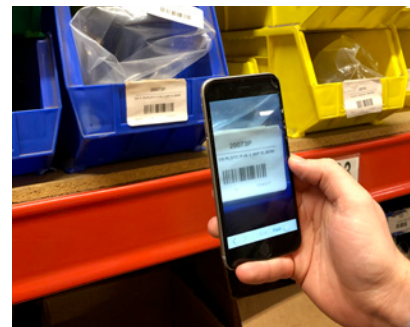
MidlandIndustries.com/marketing

MOBILE APP

Use the app to scan bin labels on location to quickly re-order, check stock or pricing. Save orders to submit later.

SCAN BIN LABELS FOR EASY ACCESS

You can affix these bin labels on your bins and/or your customer's bins. Use the app on your smartphone to quickly scan labels for re-order or to save orders to place at the end of the day.





PDF CATALOG

Full color or black/white PDF catalog online.

PRINT

Print by product category or page. Available in color or black/white.

GET STARTED TODAY

MidlandIndustries.com/marketing

BRASSCATALOG.COM

Brasscatalog.com is an unbranded sales and marketing tool. Use it to provide your customers with specifications, pictures and pricing. With no reference to Midland. Your customers can access over 40,000 products by product category.

Online, download or print a generic line card, pictorial index and product category pages with no reference to Midland Industries.

Access catalog pages with list prices so your sales team can use to sell to your customers.

Fax 1-800-877-5391



sales@midlandindustries.com

CUSTOMER PROFILE

To better serve you, Midland has added a customer profile page to the account manager tab on midlandindustries.com. We want to ensure that we are sending the right information to the right people. Please take a minute to make sure your information is up to date. Thank You!

Purchasing: New product information, Order acknowledgement, Updated pricing, Specials

Sales and Marketing: Suite of marketing tools, Library of sales resources

Accounting: Invoices, Payment information

What is your website address?

What Industries do you serve?
Please check all that apply

HELP US HELP YOU!

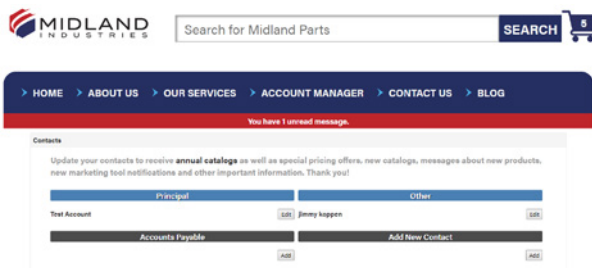
- Beverage
- Compressor
- Fastener
- Fluid Power
- Hardware/Retail
- Hydraulics
- Irrigation
- MRO
- OEM
- PVF
- Pneumatics
- Pressure Washer
- Refrigeration and Appliance
- Truck and Auto
- Water Filtration
- Waterwell
- Car Wash
- Farm and Ag
- Fire Protection
- HVAC
- Hose and Fitting
- Industrial Supply
- LP Gas
- Marine
- Oil and Gas
- Plumbing
- Power Transmission
- RV and Mobile Home
- Swimming Pool
- Utility
- Water Works

Any Other Industries Served?

What Buying Groups do you belong to?
Please check all that apply

- AD
- IDC
- DPA
- Equity
- WIT
- VIPAR
- IDCO
- Net Plus Alliance
- IBC
- Omni
- HDA
- Embassy

Any Other Buying Groups?



**UPLOAD YOUR LOGO IN
ACCOUNT MANAGER TO
UTILIZE ALL OF OUR
CUSTOMIZABLE
MARKETING TOOLS!**

To access your customer profile, log in to your account manager and select the profile tab along the top menu.



MIDLAND OEM SOLUTIONS

In an ever changing global business environment, all applications are not created equal. As an OEM partner, Midland can help the distributor work with Original Equipment Manufacturers and specify solutions in order to make informed purchasing decisions around technology, applications and relevant specification requirements.

Certain OEM applications require specific fittings, hoses, clamps and valves. For example, your application may require easier installation, a globally available product, or extended life among other critical features. No matter what the application, Midland is prepared to meet the demands of your end user business with our OEM solutions and equipment.

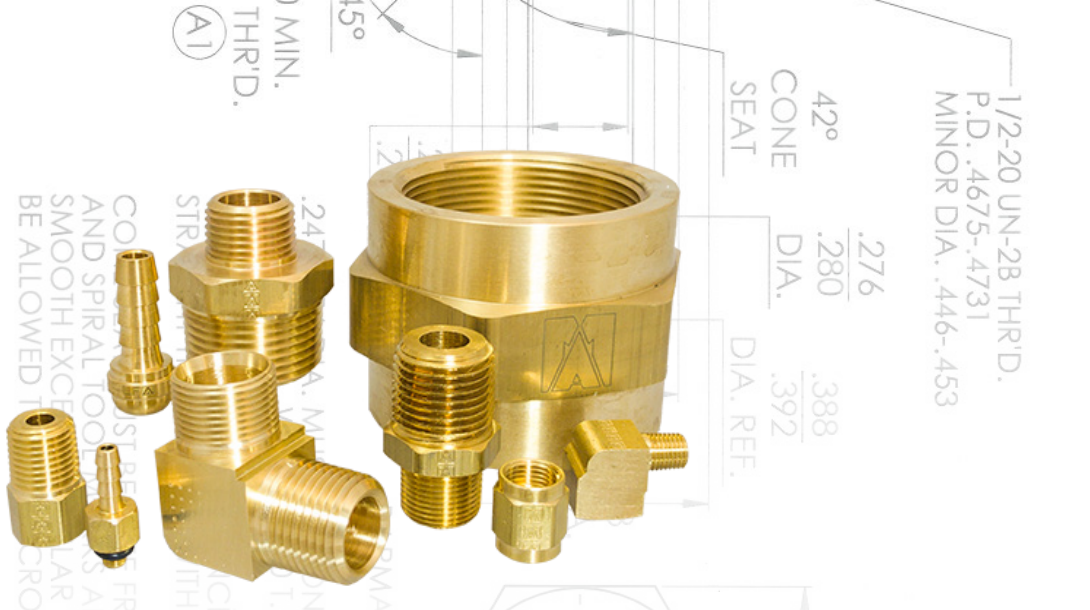
When you work with Midland, you are getting a Midland designed product made worldwide in our factories in the US, Asia and Europe, assembled by dedicated employees. Therefore, as an OEM wholesale partner, Midland Industries can promise premier customer service, high quality manufacturing standards, on-time delivery and a philosophy of continuous improvement. This allows the distributor to remain competitive in the marketplace and achieve growth objectives on new and existing projects.

As part of the Midland OEM program, you can expect increased co-marketing opportunities, better market planning with our sales force, and improved customer engagement with co-managed objectives.

INNOVATIVE THINKING. INNOVATIVE SOLUTIONS. PARTNERING FOR YOUR SUCCESS!

Ask about our OEM Solutions – contact specials@midlandindustries.com to get started today.

DD	8-8-72	Mid-America Fittings, Inc. 7604 Wedd Street Overland Park, KS 66204
CHT	8-9-72	
CHT	8-9-72	
DATE		PART DESCRIPTION: CONNECTOR- 5/16 INV. X 1/4 S
REDRAWN ON 10-31-2013 BY CAD/CAM		



DOMESTIC MANUFACTURING

Midland Industries is a leading manufacturer of our MAF™ brand of industrial fitting products for use by OEM's and wholesale distributors.

Midland Industries Engineering and Design team works closely with OEM's in the automotive, trucking, HVAC, industrial, consumer and commercial electronics and appliances and fluid industries. We take original design concepts, sometimes drawn on nothing more than a lid of a pizza box over lunch and move them seamlessly from CAD drawing phase, prototype phase, sample production phase and final production in a matter of weeks instead of months. This is done by using a variety of CNC machine tools and our facilities at our disposal. This includes "Miltronics Vertical Machining Center", "Okuma Turning Centers" and Miyano Machining Centers complete with "Live Tooling" on both long and short beds to create specialty custom parts. At the same time, we achieve maximum quality, efficiency and cost savings for the customer.

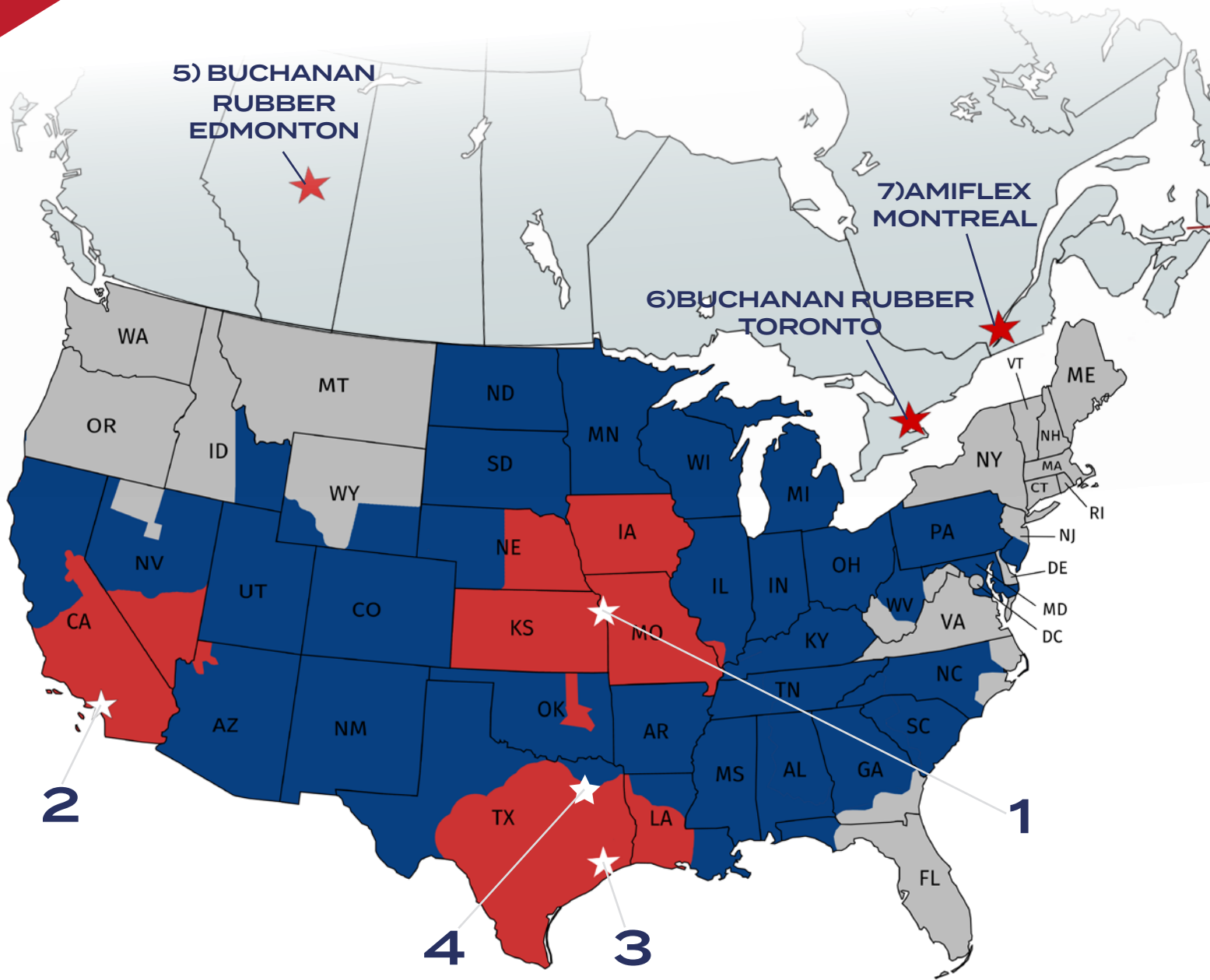
**COMMITTED TO BEING AN INDUSTRY LEADER
IN ENVIRONMENTAL "BEST PRACTICES" AND WILL APPLY IT
TO ALL ASPECTS OF OUR BUSINESS.**

In addition to our MAF™ brand brass fittings, Midland Industries is a major supplier of **chrome-plated** and **nickel-plated brass fittings** as well as **black and galvanized malleable iron pipe fittings, stainless steel pipe fittings, cast bronze fittings and red brass pipe nipples** along with a wide variety of plumbing installation and repair specialty products.

**TO FIND OUT MORE OR TO HAVE YOUR SPECIALTY PARTS QUOTED VISIT:
MIDLANDINDUSTRIES.COM/MANUFACTURING**



MIDLAND INDUSTRIES DISTRIBUTION



UPS GROUND TIME IN TRANSIT

- NEXT DAY DELIVERY
- 2 DAY DELIVERY
- 3 DAY DELIVERY

*2 Day Delivery is determined by warehouse location and inventory at specified location.

* For detailed UPS Ground time in transit maps please visit www.UPS.com/maps

DISTRIBUTION LOCATIONS

1) MIDWEST DISTRIBUTION

Full Stocking Location

3145 Oak Street
Kansas Ciy, MO 64111

2) WEST COAST DISTRIBUTION

Full Stocking Location

659 E Ball Rd
Anahiem, CA 92805

3) TEXAS DISTRIBUTION

Full Stocking Location

5544 Armour Drive,
Houston, TX 77020

4) TEXAS DISTRIBUTION

Full Stocking Location

600 E. Centre Park
DeSoto, TX 75115

MIDLAND INDUSTRIES CUSTOMER SERVICE

Phone: 800-821-5725

Fax: 800-877-5391

Email: Sales@MidlandIndustries.com

www.MidlandIndustries.com

You can easily check stock and availability for products at these locations online using Account Manager. All accounting will be handled in Kansas City.

CANADIAN DISTRIBUTION

5) BUCHANAN RUBBER-EDMONTON

9547-12 Ave SW,
Edmonton, AB T6X-0C3
Phone: 1-888-775-4673
Fax: 1-888-990-4673
Sales@BuchananRubber.com

6) BUCHANAN RUBBER-TORONTO

50 Fasken Drive
(units 11-21),
Etobicoke, ON M9W-1K5
Phone: 1-888-775-4673
Fax: 1-888-990-4673
Sales@BuchananRubber.com

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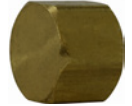





































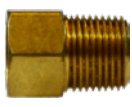












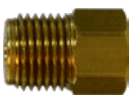











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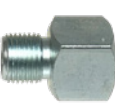





















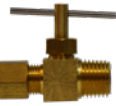








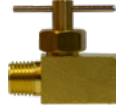
















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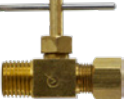








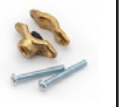















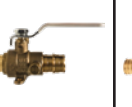




































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PG	PG	PG	PG	PG	PG	PG	PG	PG



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BRASS FITTINGS



VALVES



NIPPLES & FITTINGS



PLASTIC FITTINGS



CLAMPS



TUBING



PNEUMATICS



ACCESSORIES



HYDRAULICS



STAINLESS STEEL
HYDRAULIC ADAPTERS



HIGH PRESSURE
SPRAYER



HOSE

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PIPE FITTINGS



Pipe Size	1/16	1/8	1/4	3/8	1/2	3/4	1
Thread Size	1/16-27	1/8-27	1/4-18	3/8-18	1/2-14	3/4-14	1-11 ¹ / ₂
Working Pressure	1200	1200	1200	1200	1200	1000	1000
Thread OD	1/4	3/8	1/2	5/8	3/4	1	1-1/4

Typical Application: Grease, Fuels, LP and Natural Gas (available on special order), Refrigeration, Instrumentation and Hydraulic Systems.

Pressure: Operating pressure up to 1200 PSI.

Vibration: Fair resistance.

Temperature Range:

-65°F to +250°F (-53°C to +121°C).

Used With: Brass, Bronze, Copper, Steel, Aluminum And Iron Pipe.

Tolerance : +/- .02 on all dimensions. Dimension Data can change without notice. Please call us when dimensions are critical.

Conformance: Meets specifications and standards of ASA, ASME and SAE

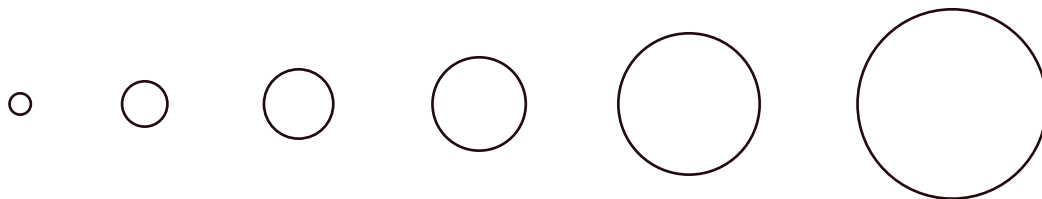
• Not lead free

• **Assembly Instructions**

1 - Tighten approximately 2 turns past hand tight.

2 - Fittings with thread sealant tighten two turns past hand tight. Brittle materials require special cautions.

MIDLAND	MIDLAND INDUSTRIES PRODUCT NUMBER
AMC	ANDERSON METALS CORPORATION CROSSOVER NUMBERS
CHAMPION	CHAMPION CROSSOVER NUMBERS
MAF	MID-AMERICA FITTINGS PART NUMBERS



Actual outside diameters of pipe threads



Actual Male Thread Profiles

PIPE**BRASS FITTINGS****90° FEMALE ELBOW**

SAE# 130238

06100
100

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
				1/16"	23500X1	...
28001	06100-02	100A-A	----	1/8"	23500X2	...
28002	06100-04	100A-B	----	1/4"	23500X4	...
28003	06100-06	100A-C	----	3/8"	23500X6	...
28004	06100-08	100A-D	----	1/2"	23500X8	...
28005	06100-12	100A-E	----	3/4"	23500X12	...
				1/8 x 1/16	23502X1	...
				1/4 x 1/8	23504X2	...
				3/8 x 1/8	23506X2	...
28015B			----	3/8" x 1/4"	23506X4	...
28053B			----	1/2" x 1/4"	23508X4	...
28016B			----	1/2" x 3/8"	23508X6	...
				3/4 x 1/4	23512X4	...
				3/4" x 3/8"	23512X6	...
				3/4 x 1/2	23512X8	...

100 2200P 3500 302 200

90° FORGED FEMALE ELBOW06200
100F

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28009	06200-02	100AF-A	----	1/8"	100F-2	...
28010	06200-04	100AF-B	----	1/4"	100F-4	...
28011	06200-06	100AF-C	----	3/8"	100F-6	...
28012	06200-08	100AF-D	----	1/2"	100F-8	...
28013	06200-12	100AF-E	----	3/4"	100F-12	...
28014	06205-0402	100AF-BA	----	1/4" x 1/8"	100FR-42	...
28015	06205-0604	100AF-CB	----	3/8" x 1/4"	100FR-64	...
28016	06205-0806	100A-DC	----	1/2" x 3/8"	100FR-86	...
28017			----	1"		

1200P E7 100AF 100B

45° FEMALE ELBOW06107
10045

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28018	06107-02	100-45A-A	----	1/8"	10045-2	...
28019	06107-04	100-45A-B	----	1/4"	10045-4	...
28020			----	3/8"	10045-6	...
28021B		100X-45-D	----	1/2"	10045-8	...

129 2201P 205 23355 45EZ 105 100-45A

DIMENSION DATA CAN CHANGE WITHOUT NOTICE. PLEASE CALL WHEN DIMENSIONS ARE CRITICAL.

PIPE
BRASS FITTINGS

UNION TEE

SAE# 130438



06101
101

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28022			----	1/16"	23700X1	...
28024	06101-02	101A-A	----	1/8"	23700X2	...
28025	06101-04	101A-B	----	1/4"	23700X4	...
28026	06101-06	101A-C	----	3/8"	23700X6	...
28027	06101-08	101A-D	----	1/2"	23700X8	...
28028	06101-12	101A-E	----	3/4"	23700X12	...
				1/8 x 1/16	23700X2X1	...
				1/4 x 1/8	23700X4X2	...
				3/8 x 1/4	23700X6X4	...
				1/2 x 3/8	23700X8X6	...
				3/4 x 1/2	23700X12X8	...

311 101A 322 2203P 3700 203

UNION FORGED TEE



06201
101F

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28032	06201-02	101AF-A	----	1/8"	101F-2	...
28033	06201-04	101AF-B	----	1/4"	101F-4	...
28034	06201-06	101AF-C	----	3/8"	101F-6	...
28035	06201-08	101AF-D	----	1/2"	101F-8	...
28036	06201-12	101AF-E	----	3/4"	101F-12	...
28023		101AF-F	----	1"		

1203P LT7 101AF 101B

REDUCING FORGED TEES



06206
101FR

MI	AMC	LIST	1 NPT	2 NPT	3 NPT	BODY WIDTH	MAF #	MAF PRICE
28029	06206-020204	----	1/8"	1/8"	1/4"	0.69	101FR-224	...
28030	06206-040402	----	1/4"	1/4"	1/8"	0.69	101FR-442	...
28031		----	1/4"	1/4"	3/8"	0.81	101FR-446	...
28038		----	3/8"	1/4"	3/8"	0.81	101FR-646	...
28039	06206-060604	----	3/8"	3/8"	1/4"	0.81	101FR-664	...
28046	06206-080806	----	1/2"	1/2"	3/8"	1.00	101FR-886	...
28047		----	3/4"	1/2"	3/4"	1.25	101FR-12812	...
28048	06206-121208	----	3/4"	3/4"	1/2"	1.25	101FR-12128	...

CROSS



06102
102

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
				1/16"	23950X1	22.94
28041	06102-02	102A-A	----	1/8"	23950X2	...
28042	06102-04	102A-B	----	1/4"	23950X4	...
28043	06102-06	102A-C	----	3/8"	23950X6	...
28044	06102-08	102A-D	----	1/2"	23950X8	...
28045	06102-12	102A-E	----	3/4"	23950X12	...

2205P 3950 228 102A 102BE

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

PIPE**BRASS FITTINGS****FORGED CROSS**06202
102F

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28049	06202-02	102AF-A	----	1/8"	102F-2	...
28050	06202-04	102AF-B	----	1/4"	102F-4	...
28051	06202-06	102AF-C	----	3/8"	102F-6	...
28052	06202-08	102AF-D	----	1/2"	102F-8	...

C7 105 102AF 102

COUPLING

SAE# 130138



23300 = SAE Pattern

06103
103

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28057			----	1/16"	23300X1	...
28058L	06103-02	103A-A	----	1/8"	103-2	...
28058	06303-02	103AH-A	----	1/8"	23300X2	...
28059L	06103-04	103A-B	----	1/4"	103-4	...
28059	06303-04	103AH-B	----	1/4"	23300X4	...
28060L	06103-06	103A-C	----	3/8"	103-6	...
28060	06303-06	103AH-C	----	3/8"	23300X6	...
28061L	06103-08	103A-D	----	1/2"	103-8	...
28061	06303-08	103AH-D	----	1/2"	23300X8	...
28062L	06103-12	103A-E	----	3/4"	103-12	...
28062	06303-12	103AH-E	----	3/4"	23300X12	...
				1"	103-16	...
28063		103AH-F	----	1"	23300X16	...
				2"	23300X32	...

207P 371 3300 103AH 103

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



PIPE

BRASS FITTINGS

REDUCING COUPLING

SAE# 130138



06119
119

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
				1/8" x 1/16"	23302X1	...
28181L	06119-0402	119A-BA	----	1/4" x 1/8"	119-42	...
28181		119AH-BA	----	1/4" x 1/8"	23304X2	...
				3/8" x 1/8"	119-62	...
28182	06119-0602		----	3/8" x 1/8"	23306X2	...
28183L	06119-0604	119A-CB	----	3/8" x 1/4"	119-64	...
28183		119AH-CB	----	3/8" x 1/4"	23306X4	...
28180	06119-0802	119A-DA	----	1/2" x 1/8"	119-82	...
28184L	06119-0804	119A-DB	----	1/2" x 1/4"	119-84	...
28184		119AH-DB	----	1/2" x 1/4"	23308X4	...
28185L	06119-0806	119A-DC	----	1/2" x 3/8"	119-86	...
28185		119AH-DC	----	1/2" x 3/8"	23308X6	...
28187	06119-1204		----	3/4" x 1/4"	119-124	...
				3/4" x 1/4"	23312X4	...
28188*	706119-1206	119A-EC	----	3/4" x 3/8"	119-126	...
				3/4" x 3/8"	23312X6	...
28189*	706119-1208	119A-ED	----	3/4" x 1/2"	119-128	...
				3/4" x 1/2"	23312X8	...
				1 x 1/4"	119-164	...
				1 x 3/8"	119-166	...
28178	06119-1608		----	1" x 1/2"	119-168	...
28179	06119-1612		----	1" x 3/4"	119-1612	...
				2 x 1"	23332X16	...

10 377 3300 208P 108 119B 119AH

UNION



06104
104

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28067	06104-02	104A-A	----	1/8"	104-2	...
28068	06104-04	104A-B	----	1/4"	104-4	...
28069	06104-06	104A-C	----	3/8"	104-6	...
28070	06104-08	104A-D	----	1/2"	104-8	...
28071	06104-12		----	3/4"	104-12	...

3250 212P 104A 104B

PIPE**BRASS FITTINGS****CAP**

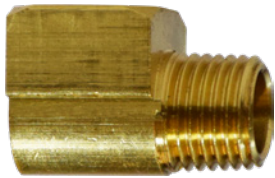
06108
108

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28075	06108-02	108A-A	----	1/8"	108-2	...
28076	06108-04	108A-B	----	1/4"	108-4	...
28077	06108-06	108A-C	----	3/8"	108-6	...
28078	06108-08	108A-D	----	1/2"	108-8	...
28079	06108-12	108A-E	----	3/4"	108-12	...
28080	06108-16	108A-F	----	1"	108-16	...
				1-1/4"	108-20	...
				1-1/2"	108-24	...
				2"	108-32	...

3129 213P 23129 108A 108B

90° STREET ELBOW

SAE# 130239



SHORT 06116
116
LONG 06118

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28161			----	1/16"	23400X1	...
28156	06118-02	116A-A	----	1/8"	23400X2	...
28156S	06116-02		----	1/8" short	23401X2	...
28157	06118-04	116A-B	----	1/4"	23400X4	...
28157S	06116-04	116A-AMB	----	1/4" short	23401X4	...
28158	06118-06	116AH-C	----	3/8"	23400X6	...
		116A-C		3/8" short	23401X6	...
28159	06116-08	116AH-D	----	1/2"	23400X8	...
28160	06116-12	116A-E	----	3/4"	23400X12	...
				1/8 x 1/16"	23402X1	...
				1/8 x 1/4"	23402X4	...
				1/4 x 1/8"	23404X2	...
				3/8 x 1/8"	23406X2	...
				3/8 x 1/4"	23406X4	...
				1/2 x 1/4"	23408X4	...
				1/2 x 3/8"	23408X6	...
				1/2 x 3/4"	23400X8X12	...

2202P 304 115 202 3400 116A

FORGED 90° STREET ELBOW

116F

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28165	06216-02	116AF-A	----	1/8"	116F-2	...
28166	06216-04	116AF-B	----	1/4"	116F-4	...
28167	06216-06	116AF-C	----	3/8"	116F-6	...
28168	06216-08	116AF-D	----	1/2"	116F-8	...
28169	06216-12	116AF-E	----	3/4"	116F-12	...

5E8 1202P 116AF 116B

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

PIPE

BRASS FITTINGS

REDUCING 90° STREET ELBOW

Barstock & Forged



128

*Barstock (B)

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF FXM	MAF #	MAF PRICE
28259*			----	1/8" x 1/16"	23402X1*	...
28260	06228-0204		----	1/8" x 1/4"	23402X4*	...
28261B	06228-0402	128A-BA	----	1/4" x 1/8"	23404X2*	...
28261			----	1/4" x 1/8"	128F-42	...
				1/4 x 3/8"	23404X6*	...
28262	06228-0406		----	1/4" x 3/8"	128F-46	...
				3/8" x 1/4"	23406X4*	...
28263	06228-0604	128A-CB	----	3/8" x 1/4"	128F-64	...
				3/8" x 1/2"	23406X8*	...
28264	06228-0608		----	3/8" x 1/2"	128F-68	...
28265	06228-0806		----	1/2" x 3/8"	128F-86	...
				1/2" X 1/4"	23408X4*	...
28265B*			----	1/2" x 3/8"	23408X6*	...

FACE BUSHING



06140
110F

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF MXF	MAF #	MAF PRICE
28121	06140-0402		----	1/4" x 1/8"	110F-42	...
28122	06140-0602		----	3/8" x 1/8"	110F-62	...
28116	06140-0604	110FB-CB	----	3/8" x 1/4"	110F-64	...
28090			----	1/2" x 1/8"	110F-82	...
28128			----	1/2" x 1/4"	110F-84	...
28117	06140-0806	110FB-DC	----	1/2" x 3/8"	110F-86	...
28129			----	3/4" x 1/4"	110F-124	...
28130			----	3/4" x 3/8"	110F-126	...
28118	06140-1208	110FB-ED	----	3/4" x 1/2"	110F-128	...
28120	06140-1608		----	1" x 1/2"	110F-168	...
28119	06140-1612		----	1" x 3/4"	110F-1612	...

120AH-BW HEAVY ADAPTER BREAKAWAY



116F

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
		120AH-BB-BW		1/4"		
		120AH-CC-BW		3/8"		

SE8 1202P 116AF 116B

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

PIPE**BRASS FITTINGS****HEX BUSHING**

SAE# 130140



232 = SAE Pattern

06110
110

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF MXF	MAF #	MAF PRICE
28101	06110-0201		----	1/8" x 1/16"	110-21	...
28102L	06110-0402	110A-BA	----	1/4" x 1/8"	110-42	...
28102		110AH-BA	----	1/4" x 1/8"	23224X2	...
				3/8 x 1/8	110-62	...
28103	06110-0602	110A-CA	----	3/8" x 1/8"	23226X2	...
28104L	06110-0604	110A-CB	----	3/8" x 1/4"	110-64	...
28104		110AH-CB	----	3/8" x 1/4"	23226X4	...
28105L	06110-0802	110A-DA	----	1/2" x 1/8"	110-82	...
28105		110AH-DA	----	1/2" x 1/8"	23228X2	...
28106L	06110-0804	110A-DB	----	1/2" x 1/4"	110-84	...
28106		110AH-DB	----	1/2" x 1/4"	23228X4	...
28107L	06110-0806	110A-DC	----	1/2" x 3/8"	110-86	...
28107		110AH-DC	----	1/2" x 3/8"	23228X6	...
				3/4 x 1/8	110-122	...
28108	06110-1202	110A-EA	----	3/4" x 1/8"	23232X2	...
28109L	06110-1204	110A-EB	----	3/4" x 1/4"	110-124	...
				3/4 x 1/4	23232X4	...
28110L	06110-1206	110A-EC	----	3/4" x 3/8"	110-126	...
				3/4 x 3/8	23232X6	...
28111L	06110-1208	110A-ED	----	3/4" x 1/2"	110-128	...
28111		110AH-ED	----	3/4" x 1/2"	23232X8	...
28091	06110-1602		----	1" x 1/8"	110-162	...
28112	06110-1604	110A-FB	----	1" x 1/4"	110-164	...
28113	06110-1606	110A-FC	----	1" x 3/8"	110-166	...
				1 x 1/2	110-168	...
28114	06110-1608	110A-FD	----	1" x 1/2"	23236X8	...
				1 x 3/4	110-1612	...
28115	06110-1612	110A-FE	----	1" x 3/4"	23236X12	...
				2 x 1/2	110-328	...
				2 x 3/4	110-3212	...
				2 x 1	110-3216	...
				2 X 1-1/4	110-3220	...
				2 x 1-1/2	110-3224	...

PRB 373 3220 209P 110A 110B

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



PIPE

BRASS FITTINGS

SQUARE HEAD CORED PLUG



06109
109

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
				1/8"	109-2	...
				1/4"	109-4	...
				3/8"	109-6	...
		109A-D		1/2"	109-8	...
28088	06109-12	109A-E	----	3/4"	109-12	...
28089	06109-16	109A-F	----	1"	109-16	...

3151 211P 109A 109B

SQUARE HEAD SOLID PLUG



06114

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28084	06114-02	109A-A	----	1/8"	109SD-2	...
28085	06114-04	109A-B	----	1/4"	109SD-4	...
28086	06114-06	109A-C	----	3/8"	109SD-6	...
28087	06114-08	109AS-D	----	1/2"	109SD-8	...
		109AS-E		3/4"	109SD-12	...
				1"	109SD-16	...

COUNTERSUNK HEX PLUG

3/4" taper thread



06115
109AL

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28092			----	1/16"	109AL-1	...
28093	06115-02	109CS-A	----	1/8"	109AL-2	...
28094	06115-04	109CS-B	----	1/4"	109AL-4	...
28095	06115-06	109CS-C	----	3/8"	109AL-6	...
28096	06115-08	109CS-D	----	1/2"	109AL-8	...
28097			----	3/4"	109AL-12	...
				1"	109AL-16	...

3153 219P 109CS 118

SLOTTED-HEAD PLUG



06117
117

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28174	06117-02	117A-A	----	1/8"	117-2	...
28175	06117-04	117A-B	----	1/4"	117-4	...
28176	06117-06	117A-C	----	3/8"	117-6	...
				1/2"	117-8	...

220P 3150 117A 117B

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

PIPE**BRASS FITTINGS****CORED HEX PLUGS**

23152 = SAE Pattern

06121
121

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28200			----	1/16"	121-1	...
28201	06121-02	121A-A	----	1/8"	121-2	...
				1/8"	23152X2	...
28202	06121-04	121A-B	----	1/4"	121-4	...
				1/4"	23152X4	...
28203	06121-06	121A-C	----	3/8"	121-6	...
				3/8"	23152X6	...
28204	06121-08	121A-D	----	1/2"	121-8	...
				1/2"	23152X8	...
28205	06121-12	121A-E	----	3/4"	121-12	...
				3/4"	23152X12	...
28206			----	1"	121-16	...
				1-1/4"	121-20	...
				1-1/2"	121-24	...
				2"	121-32	...

218P 3152 121A 103 121B PPH 218P

SOLID HEX HEAD PLUGS06125
121S

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28201S	06125-02	121AS-A	----	1/8"	121S-2	...
28202S	06125-04	121AS-B	----	1/4"	121S-4	...
28203S	06125-06	121AS-C	----	3/8"	121S-6	...
28204S	06125-08	121AS-D	----	1/2"	121S-8	...
28205S	06125-12	121AS-E	----	3/4"	121S-12	...
28206S			----	1"	121S-16	...

121AS

LOCKNUT

- Jam Nuts
- Straight pipe thread

06111
111

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28123	06111-02	111A-A	----	1/8"	111-2	...
28124	06111-04	111A-B	----	1/4"	111-4	...
28125	06111-06	111A-C	----	3/8"	111-6	...
28126	06111-08	111A-D	----	1/2"	111-8	...
28127	06111-12		----	3/4"	111-12	...

210P 21102 111A 111B

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

PIPE

BRASS FITTINGS

CLOSE NIPPLE



06112
112

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28131	06112-02	112A-A	----	1/8"	112-2	...
28132	06112-04	112A-B	----	1/4"	112-4	...
28133	06112-06	112A-C	----	3/8"	112-6	...
28134	06112-08	112A-D	----	1/2"	112-8	...
28135	06112-12	112A-E	----	3/4"	112-12	...

165 215PN 3326 112A 112B

LONG NIPPLE



06113
113

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	LENGTH	MAF #	MAF PRICE
28140	06113-0224	113A-A15	----	1/8"	1.5	113-224	...
28141	06113-0232	113A-A2	----	1/8"	2.0	113-232	...
28142	06113-0240	113A-A25	----	1/8"	2.5	113-240	...
28143	06113-0248	113A-A3	----	1/8"	3	113-248	...
28475			----	1/8"	3.5	113-256	...
28144	06113-0424	113A-B15	----	1/4"	1.5	113-424	...
28145	06113-0432	113A-B2	----	1/4"	2	113-432	...
28146	06113-0440	113A-B25	----	1/4"	2.5	113-440	...
28147	06113-0448	113A-B3	----	1/4"	3	113-448	...
28481			----	1/4"	3.5	113-456	...
28148	06113-0624	113A-C15	----	3/8"	1.5	113-624	...
28149	06113-0632	113A-C2	----	3/8"	2	113-632	...
28150	06113-0640		----	3/8"	2.5	113-640	...
28151	06113-0648	113A-C3	----	3/8"	3	113-648	...
28487			----	3/8"	3.5	113-656	...
28152	06113-0824	113A-D15	----	1/2"	1.5	113-824	...
28153	06113-0832	113A-D2	----	1/2"	2	113-832	...
28154	06113-0840	113A-D25	----	1/2"	2.5	113-840	...
28155	06113-0848		----	1/2"	3	113-848	...
28493			----	1/2"	3.5	113-856	...
28136	06113-1224	113A-E15	----	3/4"	1.5	113-1224	...
28497		113A-E2	----	3/4"	2	113-1232	...
28498			----	3/4"	2.5	113-1240	...
28499			----	3/4"	3	113-1248	...

113B 113A 166 3327, 3328, 3329, 3330 3331 215PNL

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

PIPE**BRASS FITTINGS****HEX NIPPLE**

SAE# 130137



06122
06322 (LONG)
122

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28210			----	1/16"	23325X1	...
28211L	06122-02	122A-A	----	1/8"	122-2	...
28211		122AH-A	----	1/8"	23325X2	...
28212L	06122-04	122A-B	----	1/4"	122-4	...
28212	06322-04	122AH-B	----	1/4"	23325X4	...
				1/4" BSPT	122-4BSPT	...
28213L	06122-06	122A-C	----	3/8"	122-6	...
28213		122AH-C	----	3/8"	23325X6	...
28214L	06122-08	122A-D	----	1/2"	122-8	...
28214		122AH-D	----	1/2"	23325X8	...
28215L	06122-12	122A-E	----	3/4"	122-12	...
28215		122AH-E	----	3/4"	23325X12	...
				3/4 3800 PSI	HPHN-12	...
28216L	06122-16		----	1"	122-16	...
28-216				1"	23325X16	...
				1-1/4	122-20	...
				1-1/2	122-24	...
				2"	122-32	...

PHN 216P 3325 379 122AH 122B

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



PIPE

BRASS FITTINGS

REDUCING HEX NIPPLE

SAE# 130137



23325 = SAE Pattern

06123
123

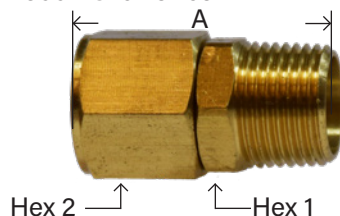
MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28218			----	1/8" x 1/16"	23325X2X1	...
28220L	06123-0402	123A-BA	----	1/4" x 1/8"	123-42	...
28220		123AH-BA	----	1/4" x 1/8"	23325X4X2	...
28221L	06123-0602	123A-CA	----	3/8" x 1/8"	123-62	...
28221		123AH-CA	----	3/8" x 1/8"	23325X6X2	...
28222L	06123-0604	123A-CB	----	3/8" x 1/4"	123-64	...
28222		123AH-CB	----	3/8" x 1/4"	23325X6X4	...
				1/2" x 1/8"	123-82	...
28223L	06123-0804	123A-DB	----	1/2" x 1/4"	123-84	...
28223		123AH-DB	----	1/2" x 1/4"	23325X8X4	...
28224L	06123-0806	123A-DC	----	1/2" x 3/8"	123-86	...
28224		123AH-DC	----	1/2" x 3/8"	23325X8X6	...
				1/2" x 3/8"	23325X8X6TP*	...
				3/4" x 1/8"	123-122	...
				3/4" x 1/4"	123-124	...
				3/4" x 3/8"	123-126	...
28225L	06123-1208		----	3/4" x 1/2"	123-128	...
28225		123AH-ED	----	3/4" x 1/2"	23325X12X8	...
				1" x 1/4"	123-164	...
				1" x 3/8"	123-166	...
				1" x 1/2"	123-168	...
28227	06123-1612		----	1" x 3/4"	123-1612	...
				1" x 3/4"	23325X16X12	...
				2" x 1/2"	123-328	...
				2" x 3/4"	123-3212	...
				2" x 1"	123-3216	...
				2" x 1-1/4"	123-3220	...
				2" x 1-1/2"	123-3224	...

*Tapped 3/8 NPTF on 1/2 NPTF

PHN 216P 3325 379 122AH 122B

PIPE SWIVEL ADAPTER

*300 PSI all sizes



MIDLAND	THREAD SIZE NPTF FXM	A	HEX 1	HEX 2	APPROX. WT. LBS.	
28424	1/8"	1.10	0.43	0.50	0.05	----
28425	1/4"	1.34	0.56	0.62	0.06	----
28426	3/8"	1.36	0.68	0.75	0.08	----
28427	1/2"	1.87	0.87	0.95	0.10	----

MALE NPT X FEMALE NPT

- 360° Turning
- Swivels



MIDLAND	SIZE	
320061	1/4	----

344R 3183

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

PIPE**BRASS FITTINGS****45° STREET ELBOW**

SAE# 130339

06124
124

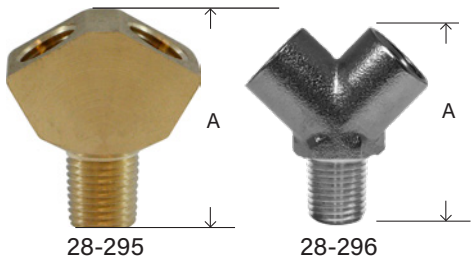
MIDLAND	AMC	CHAMPION	LIST	1 X 2 THREAD SIZE NPTF	MAF #	MAF PRICE
				1/16"	23350X1	...
28230	06124-02	124A-A	----	1/8"	23350X2	...
28231	06124-04	124A-B	----	1/4"	23350X4	...
28232	06124-06	124A-C	----	3/8"	23350X6	...
28233	06124-08	124A-D	----	1/2"	23350X8	...
28234	06124-12	124A-E	----	3/4"	23350X12	...
				1/8" x 1/16"	23350X2X1	...
				1/4" x 1/16"	23350X4X1	...
				1/4" x 1/8"	23350X4X2	...
				1/4" x 3/8"	23350X4X6	...
				3/8" x 1/8"	23350X6X2	...
				3/8" x 1/4"	23350X6X4	...
				3/8" x 1/2"	23350X6X8	...
				1/2" x 1/8"	23350X8X2	...
				1/2" x 1/4"	23350X8X4	...
				1/2" x 3/8"	23350X8X6	...
				3/4" x 3/8"	23350X12X6	...
				3/4" x 1/2"	23350X12X8	...

306 3350 2214P 224

45° FORGED STREET ELBOW06224
124F

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28238	06224-02		----	1/8"	124F-2	...
28239	06224-04		----	1/4"	124F-4	...
28240	06224-06	124AF-C	----	3/8"	124F-6	...

45E8 124B

PIPE WYE FIP X MIP

28-295

28-296

MIDLAND	LIST	THREAD SIZE NPT	A	APPROX. WT. LBS.	MAF #	MAF PRICE
28295	----	1/4"	1.56	.15	137yb-4fm	
28296	----	1/4 N/P	1.4	.12		

PIPE WYE FIP X FIP - NICKEL PLATED

MIDLAND	THREAD SIZE NPT	A	APPROX. WT. LBS.	MAF PRICE
28298	1/4	1.4	.12	----

SEE OUR WEBSITE FOR BSPT, BSPP & BSP FITTINGS

PIPE

BRASS FITTINGS

STREET TEE/ SERVICE TEE/ MALE RUN TEE

SAE# 130424



06127
127

MIDLAND	AMC	CHAMPION	LIST	1 X 2 X 3 THREAD SIZE NPTF	MAF #	MAF PRICE
28245	06127-02	127A-A	----	1/8"	23750X2	...
				1/8"	127-2	...
28246	06127-04	127A-B	----	1/4"	23750X4	...
				1/4"	127-4	...
28247	06127-06	127A-C	----	3/8"	23750X6	...
				3/8"	127-6	...
28248	06127-08	127A-D	----	1/2"	23750X8	...
				1/2"	127-8	...
28249	06127-12	127A-E	----	3/4"	23750X12	...
				3/4"	127-12	...
				1/8 X 1/16 X 1/8"	127R-212	...
				1/4 X 1/8 X 1/4"	127R-424	...
				3/8 X 1/4 X 3/8"	127R-646	...
				1/2 X 3/8 X 1/2"	127R-868	...
				1/2 x 1/2 x 1/4"	127R-884	...

225 2225P 3750 326 225 127A

FORGED STREET TEE

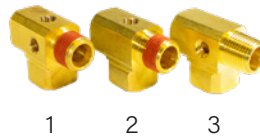


06227
127F

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28253	06227-02	127AF-A	----	1/8"	127F-2	...
28254	06227-04		----	1/4"	127F-4	...
28255	06227-06	127AF-C	----	3/8"	127F-6	...
28256	06227-08		----	1/2"	127F-8	...
28257	06227-12			3/4"	127F-12	...

107 T8 127B

127A TAP TAPPED STREET TEE



PICTURE NO.	PART NO.	EPT	MPT	TAP	TAP LOCATION	THREAD SEALANT	LIST
1	CVS127A-D-1/8TAPX2*	1/2	1/2	1/8	TOP & SIDE	YES	
2	CVS127A-D-1/8TAPX1*	1/2	1/2	1/8	TOP	YES	
3	NE-127A-B-1/8TAP	1/4	1/4	1/8	SIDE	NO	
3	NE-127A-C-1/8TAP	3/8	3/8	1/8	SIDE	NO	
3	NE-127A-D-1/8TAP	1/2	1/2	1/8	SIDE	NO	

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BRASS

PIPE**BRASS FITTINGS****EXTENDER ADAPTER**

SAE# 130139

06120
120

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF FXM	MAF #	MAF PRICE
				1/8 x 1/6	23200X2X1	...
				1/8" x 10/32"	120-20	...
28190L	06120-0202	120A-AA	----	1/8" x 1/8"	120-22	...
28190		120AH-AA	----	1/8" x 1/8"	23200X2	...
				1/4" x 1/16"	120-41	...
28191L	06120-0402	120A-BA	----	1/4" x 1/8"	120-42	...
28191		120AH-BA	----	1/4" x 1/8"	23404X2	...
28192L	06120-0404	120A-BB	----	1/4" x 1/4"	120-44	...
28192		120AH-BB	----	1/4" x 1/4"	23200X4	...
				1/4 X 1/2	120-48	...
28198	06120-0602	120A-CA	----	3/8" x 1/8"	120-62	...
				3/8" x 1/8"	23206X2	...
28193L	06120-0604	120A-CB	----	3/8" x 1/4"	120-64	...
28193		120AH-CB	----	3/8" x 1/4"	23206X4	...
28194L	06120-0606	120A-CC	----	3/8" x 3/8"	120-66	...
28194		120AH-CC	----	3/8" x 3/8"	23200X6	...
				3/8 X 1/2	120-68	...
28197	06120-0802		----	1/2" x 1/8"	120-82	...
				1/2 x 1/4	120-84	...
28199	06120-0804	120A-DB	----	1/2" x 1/4"	23208X4	...
28195L	06120-0806	120A-DC	----	1/2" x 3/8"	120-86	...
28195		120AH-DC	----	1/2" x 3/8"	23208X6	...
28196L	06120-0808	120A-DD	----	1/2" x 1/2"	120-88	...
28196		120AH-DD	----	1/2" x 1/2"	23200X8	...
				3/4 x 1/4	120-124	...
				3/4 x 3/8	120-126	...
28207			----	3/4" x 3/8"	23212X6	...
28208		120A-ED	----	3/4" x 1/2"	23212X8	...
28208L			----	3/4" x 1/2"	120-128	...
28209	06120-1212		----	3/4" x 3/4"	23200X12	...
				1" x 1/4"	120-164	...
				1" x 3/8"	120-166	...
				1" x 1/2"	120-168	...
				1" x 3/4"	120-1612	...
				1" x 1"	120-1616	...
				2" X 1/2"	120-328	...
				2" x 3/4"	120-3212	...
				2" x 1-1/2"	120-3224	...
				2" X 2"	120-3232	...

375 222P 3200 R1 120AH 120B

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PIPE

BRASS FITTINGS

FORGED 90° MALE ELBOW



06230
130

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28266	06230-02	116AM-A	----	1/8"	130F-2	...
28267	06230-04	116AM-B	----	1/4"	130F-4	...
28268	06230-06	116AM-C	----	3/8"	130F-6	...
28269	06230-08	116AM-D	----	1/2"	130F-8	...

1204P LE5 3455 116AMF

BARSTOCK 90° MALE ELBOW



06130
130R

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28266B	06130-02		----	1/8"	23455X2	...
28267B	06130-04		----	1/4"	23455X4	...
				1/4 MPT X BSPT	23455X4X4B-SPT	...
28268B	06130-06		----	3/8"	23455X6	...
28269B	06130-08		----	1/2"	23455X8	...
28270B			----	3/4"	23455X12	...
28276B			----	1/2" x 3/8"	23455X8X6	...

FORGED 90° MALE REDUCING ELBOW



06235
130F

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28274	06235-0402	116AM-BA	----	1/4" x 1/8"	130FR-42	...
				3/8" x 1/8"	130FR-62	...
28275	06235-0604	116AM-CB	----	3/8" x 1/4"	130FR-64	...
28276	06235-0806	116AM-DC	----	1/2" x 3/8"	130FR-86	...

SAE# 130425

MALE BRANCH TEE



06131
131

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28281	06131-02	T9-222	----	1/8"	23600X2	...
				1/8"	131-2	...
28282	06131-04	T9-444	----	1/4"	23600X4	...
				1/4"	131-4	...
28283	06131-06	T9-666	----	3/8"	23600X6	...
				3/8"	131-6	...
28284	06131-08	T9-888	----	1/2"	23600X8	...
				1/2"	131-8	...
28285	06131-12	T9-121212	----	3/4"	23600X12	...
				3/4"	131-12	...
				1/8 X 1/16	131R-21	...
				1/4 X 1/8	131R-42	...
				3/8 X 1/4	131R-64	...
				1/2 X 3/8	131R-86	...
				3/4 X 1/2	131R-128	...

				(1"x2") x 3"		
--	--	--	--	--------------	--	--

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



PIPE**BRASS FITTINGS****FORGED MALE BRANCH TEE**06231
131F

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28281F			----	1/8"	131F-2	...
28282F			----	1/4"	131F-4	...
				3/8"	131F-6	...
				1/2"	131F-8	...

T9

FORGED ALL MALE TEE06232
132F

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	MAF #	MAF PRICE
28290	06232-02		----	1/8"	132F-2	...
28291	06232-04		----	1/4"	132F-4	...
28292	06232-06		----	3/8"	132F-6	...
28293	06232-08		----	1/2"	132F-8	...
28294	06232-12		----	3/4"	132F-12	...

T12 M101

LONG STREET ELLS

D.O.T. Approved



MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	LENGTH	MAF #	MAF PRICE
28440			----	1/8"	1"-3/16"	116XL-219	...
28441			----	1/8"	1"-7/16"	116XL-223	...
28442			----	1/8"	1"-11/16"	116XL-227	...
28443			----	1/8"	1"-7/8"	116XL-230	...
28328			----	1/4"	1"-3/16"	116XL-419	...
28329			----	1/4"	1"-7/16"	116XL-423	...
28330			----	1/4"	1"-11/16"	116XL-427	...
28331			----	1/4"	1"-7/8"	116XL-430	...
28332			----	1/4"	2"-1/4"	116XL-436	...
28333			----	3/8"	1"-3/4"	116XL-628	...

LONG EXTENSION ADAPTERS

D.O.T. Approved



MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE NPTF	LENGTH	MAF #	MAF PRICE
28335			----	1/8"	1"-1/4"	120XL-220	...
28336			----	1/8"	1"-3/4"	120XL-228	...
28337			----	1/8"	3"	120XL-248	...
28338			----	1/4"	1"-9/16"	120XL-425	...
28339			----	1/4"	1"-13/16"	120XL-429	...
28340			----	1/4"	2"-1/16"	120XL-433	...

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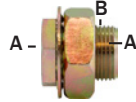
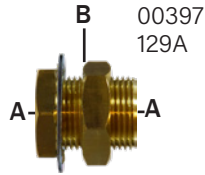


BULKHEAD FITTINGS

BRASS FITTINGS

BULKHEAD SUFFIX DESCRIPTIONS:

129FC-#	All Brass Fitting
129C-#-SN	Brass Fitting with Steel Nut
129FC-#-STL	All Steel Fitting
129FC-#-STL-XL	All Steel Fitting, Long Body

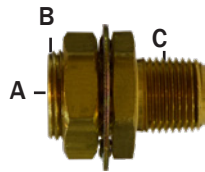


BULKHEAD / ANCHOR / FRAME COUPLINGS FEMALE PIPE X FEMALE PIPE

MIDLAND	CHAMPION	LIST	FEMALE NPTF	STRAIGHT THREAD	HOLE SIZE	LENGTH (IN.)	MAF #	MAF PRICE
28299	129AS-A	----	1/8	5/8-18 UNS	5/8	0.96	207ACBH-2S	...
28300	129A-A	----	1/8	5/8-18 UNS	5/8	1-1/2	207ACBH-2	...
28301	129AS-B	----	1/4	3/4-16 UNS	3/4	15/16	207ACBH-45	
28301SN	129AS-B-SN		Brass body/Steel Nut					
28306	129AS-B-STL		All Steel					
28302	129A-B	----	1/4	3/4-16 UNS	3/4	1-1/2	207ACBH-4	...
28302SN	129A-B-SN		Brass Body/Steel Nut					
28307	129A-B-STL		All Steel					
28315		----	with Large Mounting Nut				207ACBHLH-4	...
28303	129A-C	----	3/8	1-14 UNS	1	1-5/16	207ACBH-6	...
28303SN	129A-C-SN		Brass Body/Steel Nut					
28308	129A-C-STL		All Steel					
28304	129A-D	----	1/2	1-1/8-14 UNS	1-1/8	1-1/2	207ACBH-8	...
28311	129A-E	----	3/4	1-5/16-12	1-5/16	1-1/2	207ACBH-12	...
28316**	129A-F	----	1	1-5/8-14	1-5/8	1.68	207ACBH-16	...

**Without washer

344R 3183



FEMALE PIPE X MALE PIPE

MIDLAND	CHAMPION	LIST	FEMALE NPTF	STRAIGHT THREAD	C	LENGTH (IN.)	MAF #	MAF PRICE
28317	129FC-1	----	1/4	1-14 UNS	1/2-14 NPTF	2-1/8	MA1317	...
28317SN	129FC-1-SN		Brass Body/Steel Nut					
28318	129FC-4	----	3/8	1-14 UNS	1/2-14 NPTF	1-11/16	MA1318	...
28318SN	129FC-4-SN		Brass Body/Steel Nut					
28318STL	129FC-4-STL		All Steel					
28319	129FC-4-XL	----	3/8	1-14 UNS	1/2-14 NPTF	1-29/32	MA1319	...
28319SNXL	129FC-4-SN-XL		Long Brass Body/Steel Nut					
28319STLXL	129FC-4-STL-XL		All Steel					

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BRASS

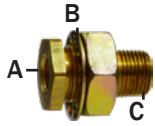
BULKHEAD FITTINGS

BRASS FITTINGS



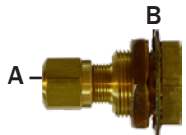
FEMALE PIPE X MALE PIPE

MIDLAND	CHAMPION	LIST	FEMALE NPTF	STRAIGHT THREAD	MALE PIPE	LENGTH (IN.)	MAF #	MAF PRICE
28313	129FC-3-SN	----	1/4	1-14 UNS	1/2-14 NPTF	2.88	MA1342	...
28313BN	129FC-3		Brass Body/Brass Nut			2.88		
28312	129FC-3-STL		All Steel			2.94		
28320	129FC-3-STL-XL		All Steel			3.94		



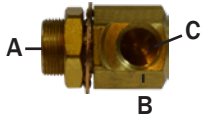
FEMALE PIPE X MALE PIPE

MIDLAND	CHAMPION	LIST	FEMALE NPTF	STRAIGHT THREAD	MALE PIPE	LENGTH (IN.)	MAF #	MAF PRICE
28346	129FC-7-SN	----	3/8	1-14 UNS	1/2	1-7/8	207BH-6FML	...
28346BN	129FC-7		Brass Body/Brass Nut					
28347	129FC-8	----	1/2	1-14 UNS	1/2	2-3/8	207BH-8FML	...
28347SN	129FC-8-SN		Brass Body/Brass Nut					



NYLON AIR BRAKE X FEMALE PIPE

MIDLAND	CHAMPION	LIST	OD TUBE	STRAIGHT THREAD	FIP	LENGTH (IN.)	MAF #	MAF PRICE
28321		----	1/2	7/8-20 UNCF	3/8	1-5/16	NT207BH-8	...
28322		----	3/8	7/8-20 UNCF	3/8	1-3/8	NT207BH-6	...



FEMALE PIPE X CLAMPING STUD ELBOW

MIDLAND	CHAMPION	LIST	OD TUBE	STRAIGHT THREAD	FIP	LENGTH (IN.)	MAF #	MAF PRICE
28348	129FC-6	----	3/8	7/8-20 UNEF	3/8-18 NPTF	2-5/16	MA1348	...



BRASS MARINE BULKHEAD

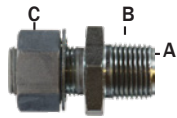
MIDLAND	CHAMPION	LIST	OD TUBE	STRAIGHT THREAD	FIP	LENGTH (IN.)	MAF #	MAF PRICE
46540		----	5/16 Hose ID	----	----	2.37	29SBBHS-5	...
46541		----	3/8 Hose ID	----	----	2.37	29SBBHS-6	...

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



BULKHEAD FITTINGS

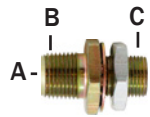
BRASS FITTINGS



FEMALE PIPE X MALE PIPE - ALL STEEL

MIDLAND	CHAMPION	LIST	FEMALE	STRAIGHT THREAD	MIP	LENGTH (IN.)	MAF #	MAF PRICE
28345	129FC-2	----	1/4-18 NPTF	3/4 - 16 UNS	1/2-14 NPTF	2.16	MA1345	
28309	129FC-2-STL		28345 w/ Large				MA1309	

28310		----	Long Pattern			2.53	MA1310	



FEMALE PIPE X MALE PIPE - ALL STEEL

MIDLAND	CHAMPION	LIST	FEMALE NPTF	STRAIGHT THREAD	MALE PIPE	LENGTH (IN.)	MAF #	MAF PRICE
28325	129FC-5-STL	----	1/4	3/4 - 16 UNS	1/2-14 NPTF	1-11/16	MA1325	

STAINLESS STEEL BULKHEAD FITTINGS

- Temperature range: -20F° - 360F°
- Working pressure: 1450 - 2175PSI
- Washers are PA6 (Nylon)

BULKHEAD FITTINGS - STAINLESS STEEL 316L NPT (1/8-1/2")



MIDLAND	LIST	SIZE	HOLE SIZE	HEX	LENGTH
28300SS	----	1/8"	0.701	0.866	0.748
28301SS	----	1/4"	0.858	1.063	0.748
28303SS	----	3/8"	1.055	1.260	1.102
28304SS	----	1/2"	1.173	1.417	1.378

BULKHEAD FITTINGS - STAINLESS STEEL 316 NPT (3/4-2")



63214	----	3/4"	1-5/8"	2-15/32"	1-13/16"
63215	----	1"	2-1/4"	3-1/16"	2-7/8"
63216	----	1-1/4"	2-1/4"	3-1/16"	2-3/8"
63217	----	1-1/2"	3"	4-1/4"	2-5/8"
63218	----	2"	3"	4-1/4"	2-5/8"

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BRASS

BULKHEAD FITTINGS

BRASS FITTINGS

INDUSTRY CROSSOVERS

CHAMPION BRASS PART NO.	CHAMPION	INDUSTRY	MIDLAND	MID-AMERICA
129A-A	129A-A	55207	28300	207ACBH-2
129A-B	129A-B	55661-BN	28302	207ACBH-4
129A-B-SN		55661	28302SN	
129A-B-STL	129A-55661STL	55661STL	28307	
129A-C	129A-C	55607-BN	28303	207ACBH-6
129A-C-SN		55607	28303SN	
129A-C-STL	129ASTL-C	55607STL	28308	
129A-D	129A-D	55807	28304	207ACBH-8
129A-E	129A-E		28311	207ACBH-12
129A-F	129A-F		28316	207ACBH-16
129AS-A			28299	207ACBH-25
129AS-B	129AS-B	55611	28301	207ACBH-45
129AS-B-SN		55611-SN	28301SN	
129AS-B-STL	129A-55611STL	55611STL	28306	
129FC-1		55615-BN	28317	MA1317
129FC-1-SN	129A-391FC1	55615	28317SN	
129FC-2	129A-391FC2		28345	MA1345
129FC-2-STL	129A-391FC2STL	55689STL	28309	MA1309
129FC-3	129A-391FC3-BN	55600-BN	28313	MA1342
129FC-3-SN	129A-391FC3	55600	28313SN	
129FC-3-STL	129A-55600STL	55600STL	28312	
129FC-3-STL-XL	129A-55664	55664	28320	
129FC-4	129A-391FC4	55620	28318	MA1318
129FC-4-SN		55620-SN6	28318SN	
129FC-4-STL		55620STL	28318STL	
129FC-4-XL	129A-55646	55646-BN	28319	MA1319
129FC-4-SN-XL		55646	28319SN	
129FC-4-STL-XL	129A-55646STL	55646STL	28319STLXL	
129FC-5-STL		55612STL	28325	MA1325
129FC-6	129A-55616	55616	28348	MA1348
129FC-7		55613-BN	28346BN	
129FC-7-SN	129A-55613	55613	28346	207BH-6FML
129FC-8	129A-55629-BN	55629-BN	28347	207BH-8FML
129FC-8-SN	129A-55629	55629	28347SN	
			28321	NT207BH-8
			28322	NT207BH-6
			46540	29BBHS-5
			46541	29BBHS-6
			28310	MA1310

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HOSE BARB FITTINGS



Temperature and Working Pressure Ranges

From -40°F to + 160°F at 150 PSI maximum.

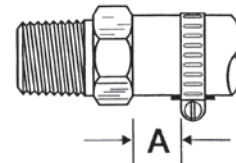
Tolerance

+/- .02 on all dimensions. Dimension Data can change without notice. Please call us when dimensions are critical.

Note: These fittings are intended for use with hose clamp, similar type clamp or a crimped ferrule.

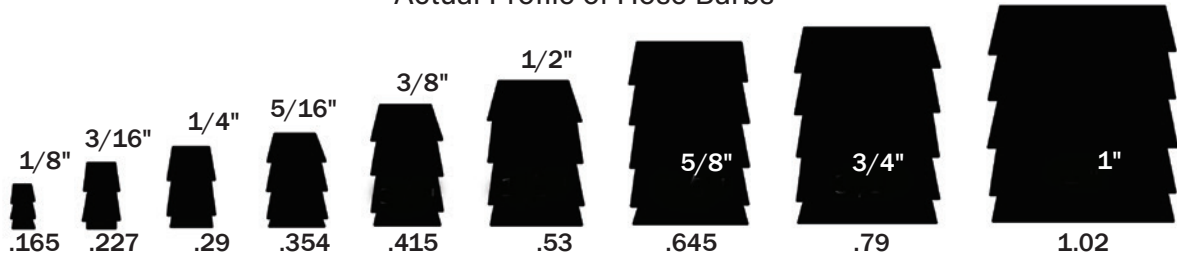
Assembly Instructions

- 1- Cut hose cleanly and squarely to length.
- 2- Slide clamp on hose.
- 3- Lubricate hose. Push hose on fitting until hose bottoms against stop ring or hex.
- 4- Position hose clamp as shown and secure with a screwdriver or wrench. Maintain "A" dimension noted below for proper clamp positioning. (Diagram/Reference is to the right)



HOSE SIZE	A
3/16"	1/4"
1/4"	1/4"
5/16"	1/4"
3/8"	1/8"
1/2"	1/8"
5/8"	1/8"
3/4"	1/8"

Actual Profile of Hose Barbs



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BRASS

HOSE BARB

BRASS FITTINGS

RIGID MALE ADAPTER

- These are not Lead Free



PGH = SAE Pattern

07001
29
129

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE NPTF	MAF #	MAF PRICE
32950			----	1/16" x 10/32"	29-10	...
32951			----	1/16" x 1/16"	29-11	...
32912			----	1/8" x 10/32"	29-20	...
32300			----	1/8" x 1/16"	29-21	...
32001	07001-0202	201A-2A	----	1/8" x 1/8"	29-22	...
32027	07001-0204	201A-2B	----	1/8" x 1/4"	29-24	...
32952			----	3/16" x 1/16"	29-31	...
32002	07001-0302	201A-3A	----	3/16" x 1/8"	29-32	...
32003	07001-0304	201A-3B	----	3/16" x 1/4"	29-34	...
32953			----	3/16" x 3/8"	29-36	...
32301		201A-4X	----	1/4" x 1/16"	29-41	...
32004	07001-0402	201A-4A	----	1/4" x 1/8"	29-42	...
				1/4" x 1/8"	PGH4X2	...
32005	07001-0404	201A-4B	----	1/4" x 1/4"	29-44	...
				1/4" x 1/4"	PGH4X4	...
32006	07001-0406	201A-4C	----	1/4" x 3/8"	29-46	...
32007	07001-0408	201A-4D	----	1/4" x 1/2"	29-48	...
32954			----	1/4" x 3/4"	29-412	...
32008	07001-0502	201A-5A	----	5/16" x 1/8"	29-52	...
32009	07001-0504	201A-5B	----	5/16" x 1/4"	29-54	...
				5/16" x 1/4"	PGH5X4	...
32010	07001-0506	201A-5C	----	5/16" x 3/8"	29-56	...
		201A-5D		5/16" x 1/2"	29-58	...
				5/16" x 3/4"	29-512	...
32011	07001-0602	201A-6A	----	3/8" x 1/8"	29-62	...
	07001-0604	201A-6B	----	3/8" x 1/4"	29-64	...
32012				3/8" x 1/4"	PGH6X4	...
32013	07001-0606	201A-6C	----	3/8" x 3/8"	29-66	...
				3/8" x 3/8"	PGH6X6	...
32014	07001-0608	201A-6D	----	3/8" x 1/2"	29-68	...
				3/8" x 1/2"	PGH6X8	...
32026	07001-0612	201A-6E	----	3/8" x 3/4"	29-612	...
32956	07001-0704	201A-7B	----	7/16" x 1/4"	29-74	...
32957	07001-0706		----	7/16" x 3/8"	29-76	...
32958			----	7/16" x 1/2"	29-78	...
32302		201A-8A	----	1/2" x 1/8"	29-82	...

CONTINUED ON NEXT PAGE

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HOSE BARB

BRASS FITTINGS

RIGID MALE ADAPTER - CONTINUED

• These are not Lead Free



PGH = SAE Pattern

07001
29
129

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE NPTF	MAF #	MAF PRICE
32015	07001-0804	201A-8B	----	1/2" x 1/4"	29-84	...
				1/2" x 1/4"	PGH8X4	...
32016	07001-0806	201A-8C	----	1/2" x 3/8"	29-86	...
				1/2" x 3/8"	PGH8X6	...
32017	07001-0808	201A-8D	----	1/2" x 1/2"	29-88	...
				1/2" x 1/2"	PGH8X8	...
32018	07001-0812	201A-8E	----	1/2" x 3/4"	29-812	...
32303			----	1/2" x 1"	29-816	...
32304			----	5/8" x 1/4"	29-104	...
32019	07001-1006	201A-10C	----	5/8" x 3/8"	29-106	...
				5/8" x 3/8"	PGH10X6	...
32020	07001-1008	201A-10D	----	5/8" x 1/2"	29-108	...
				5/8" x 1/2"	PGH10X8	...
32021	07001-1012	201A-10E	----	5/8" x 3/4"	29-1012	...
				5/8" x 3/4"	PGH10X12	...
32305			----	5/8" x 1"	29-1016	...
32915			----	3/4" x 1/4"	29-124	...
32306	07001-1206	201A-12C	----	3/4" x 3/8"	29-126	...
32022	07001-1208	201A-12D	----	3/4" x 1/2"	29-128	...
				3/4" x 1/2"	PGH12X8	...
32023	07001-1212	201A-12E	----	3/4" x 3/4"	29-1212	...
				3/4" x 3/4"	PGH12X12	...
32316	07001-1216	201A-12F	----	3/4" x 1"	29-1216	...
				1" x 3/8"	29-166	...
32307		201A-16D	----	1" x 1/2"	29-168	...
32024	07001-1612	201A-16E	----	1" x 3/4"	29-1612	...
32025	07001-1616	201A-16F	----	1" x 1"	29-1616	...
				1" x 1-1/4"	29-1620	...
32029		201A-20E	----	1-1/4" x 3/4"	29-2012	...
32028	07001-2016	201A-20F	----	1-1/4" x 1"	29-2016	...
				1-1/4" x 1-1/4"	29-2020	...

4244 PGH 101 102 201A 125HBL 105B-1 KF-PS MPB

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HOSE BARB

BRASS FITTINGS

BRASS RIGID MALE BSPT BARB ADAPTER

29SWV
29MS

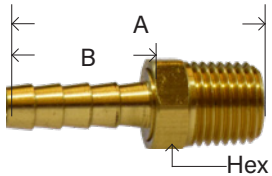
MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE BSPT	MAF #	MAF PRICE
32450			----	1/4" x 1/8"	29BSPT-42	...
32451			----	1/4" x 1/4"	29BSPT-44	...
32452			----	3/8" x 1/4"	29BSPT-64	...
32453			----	3/8" x 3/8"	29BSPT-66	...
32454			----	3/8" x 1/2"	29BSPT-68	...
32455			----	1/2" x 3/8"	29BSPT-86	...
32456			----	1/2" x 1/2"	29BSPT-88	...
32457			----	3/4" x 3/4"	29BSPT-1212	...
32458			----	1" x 1"	29BSPT-1616	...

SWIVEL MALE ADAPTER

Rotation 360°

07003

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE NPTF	MAF #	MAF PRICE
32329		201AS-3A	----	3/16" x 1/8"	29MS-32	...
32331		201AS-3B	----	3/16" x 1/4"	29MS-34	...
32332		201AS-4A	----	1/4" x 1/8"	29MS-42	...
32349		201AS-4B	----	1/4" x 1/4"	29MS-44	...
				1/4" x 3/8"	29MS-46	...
32351	07003-0602		----	3/8" x 1/8"	29MS-62	...
32201	07003-0604	201AS-6B	----	3/8" x 1/4"	29MS-64	...
32360		201AS-6C	----	3/8" x 3/8"	29MS-66	...
				3/8" x 1/2"	29MS-68	...
32355	07003-0806	201AS-8C	----	1/2" x 3/8"	29MS-86	...
32356	07003-0808	201AS-8D	----	1/2" x 1/2"	29MS-88	...
32357	07003-1212	201AS-12E	----	3/4" x 3/4"	29MS-1212	...
32386		201AS-16F	----	1" x 1"	29MS-1616	...

SWIVEL MALE ADAPTER

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE NPTF	MAF #	MAF PRICE
32200	07003-0404		----	1/4" x 1/4"		
32202	07003-0606		----	3/8" x 3/8"		

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



HOSE BARB

BRASS FITTINGS

MENDER/ SPLICER



07014
29S
129S

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X HOSE I.D.	MAF #	MAF PRICE
32091	07014-02	HM-2	----	1/8"	29S-2	...
32092	07014-03	HM-3	----	3/16"	29S-3	...
32093	07014-04	HM-4	----	1/4"	29S-4	...
32079		HM-42	----	1/4" x 1/8"	29SR-42	...
32094	07014-05	HM-5	----	5/16"	29S-5	...
32090		HM-54	----	5/16" x 1/4"	29SR-54	...
32095	07014-06	HM-6	----	3/8"	29S-6	...
32960			----	3/8 x 1/8	29SR-62	...
32961			----	3/8 x 3/16	29SR-63	...
32080		HM-64	----	3/8" x 1/4"	29SR-64	...
32375		HM-65	----	3/8" x 5/16"	29SR-65	...
32096	07014-08	HM-8	----	1/2"	29S-8	...
				1/2" x 1/4"	29SR-84	...
32087		HM-86	----	1/2" x 3/8"	29SR-86	...
32097	07014-10	HM-10	----	5/8"	29S-10	...
				5/8" x 1/4"	29SR-104	...
32088		HM-106	----	5/8" x 3/8"	29SR-106	...
32376		HM-108	----	5/8" x 1/2"	29SR-108	...
32098	07014-12	HM-12	----	3/4"	29S-12	...
				3/4" x 3/8"	29SR-126	...
32089		HM-128	----	3/4" x 1/2"	29SR-128	...
32379		HM-1210	----	3/4" x 5/8"	29SR-1210	...
				1" x 1/2"	29SR-168	...
				1" x 5/8"	29SR-1610	...
32380		HM-1612	----	1" x 3/4"	29SR-1612	...
32099	07014-16	HM-16	----	1"	29S-16	...
				1-1/4"	29S-20	...

HIGH VOLUME MALE SWIVEL

- 300 PSI
- Nitrile Buna (NBR) O-Ring



29MS-64HF



29HPS

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE NPTF	MAF #	MAF PRICE
32781			----	3/8" x 1/4"	29MS-64HF	...
28415			----	1/4" x 1/4"	29HPS-44	...
28417				3/8" x 1/4"	29HPS-64	...

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BRASS

HOSE BARB

BRASS FITTINGS

RIGID FEMALE ADAPTER

07002
29F
129F

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X FEMALE NPTF	MAF #	MAF PRICE
32050	07002-0202	209A-2A	----	1/8" x 1/8"	29F-22	...
32317	07002-0204	209A-2B	----	1/8" x 1/4"	29F-24	...
32051	07002-0302	209A-3A	----	3/16" x 1/8"	29F-32	...
32062	07002-0304	209A-3B	----	3/16" x 1/4"	29F-34	...
32052	07002-0402	209A-4A	----	1/4" x 1/8"	29F-42	...
32053	07002-0404	209A-4B	----	1/4" x 1/4"	29F-44	...
32054	07002-0406	209A-4C	----	1/4" x 3/8"	29F-46	...
32441	07002-0408	209A-4D	----	1/4" x 1/2"	29F-48	...
32055	07002-0502	209A-5A	----	5/16" x 1/8"	29F-52	...
32056	07002-0504	209A-5B	----	5/16" x 1/4"	29F-54	...
32318	07002-0506	209A-5C	----	5/16" x 3/8"	29F-56	...
32320			----	5/16" x 1/2"	29F-58	...
32057	07002-0602	209A-6A	----	3/8" x 1/8"	29F-62	...
32058	07002-0604	209A-6B	----	3/8" x 1/4"	29F-64	...
32059	07002-0606	209A-6C	----	3/8" x 3/8"	29F-66	...
32063	07002-0608	209A-6D	----	3/8" x 1/2"	29F-68	...
		209A-6E		3/8" X 3/4"	29F-612	
32449				1/2" x 1/8"	29F-82	...
32064	07002-0804	209A-8B		1/2" x 1/4"	29F-84	...
32060	07002-0806	209A-8C		1/2" x 3/8"	29F-86	...
32061	07002-0808	209A-8D		1/2" x 1/2"	29F-88	...
32443		209A-8E		1/2" x 3/4"	29F-812	...
32444		209A-10C		5/8" x 3/8"	29F-106	...
32445		209A-10D		5/8" x 1/2"	29F-108	...
32446		209A-10E		5/8" x 3/4"	29F-1012	...
32447		209A-12D		3/4" x 1/2"	29F-128	...
32065	07002-1212	209A-12E		3/4" x 3/4"	29F-1212	...
32049	07002-1612	209A-16E		1" x 3/4"	29F-1612	...
32321	07002-1616	209A-16F		1" x 1"	29F-1616	...
32448				1-1/4" x 1"	29F-2016	...

209A 128 29A 29F 126HB 126 FPB 105B-2 KF-RS 104 144

SWIVEL FEMALE ADAPTER NPTF

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X FEMALE NPTF	MAF #	MAF PRICE
32470		209AF-4B	----	1/4" x 1/4"		
32472		209AF-6B	----	3/8" x 1/4"		
32473		209AF-6C	----	3/8" x 3/8"		
32475		209AF-8C	----	1/2" x 3/8"		
32476		209AF-8D	----	1/2" x 1/2"		

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HOSE BARB

BRASS FITTINGS

SWIVEL FEMALE ADAPTER - WITH GASKET

National Pipe Straight Gasket Seal Swivel

- NPSM Thread



07009
29UFS
129UFS

- Not recommend for water due to fiber gasket - for air service only.

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X FEMALE NPSM	MAF #	MAF PRICE
32131	07009-0202	209AFSG-2A		1/8" x 1/8"	29UFS-22	...
32132	07009-0302	209AFSG-3A		3/16" x 1/8"	29UFS-32	...
32133	07009-0304	209AFSG-3B		3/16" x 1/4"	29UFS-34	...
32120	07009-0402	209AFSG-4A		1/4" x 1/8"	29UFS-42	...
32121	07009-0404	209AFSG-4B		1/4" x 1/4"	29UFS-44	...
32129	07009-0406	209AFSG-4C		1/4" x 3/8"	29UFS-46	...
32130	07009-0504	209AFSG-5B		5/16" x 1/4"	29UFS-54	...
32122	07009-0604	209AFSG-6B		3/8" x 1/4"	29UFS-64	...
32123	07009-0606	209AFSG-6C		3/8" x 3/8"	29UFS-66	...
32354	07009-0608	209AFSG-6D		3/8" x 1/2"	29UFS-68	...
32124	07009-0806	209AFSG-8C		1/2" x 3/8"	29UFS-86	...
32125	07009-0808	209AFSG-8D		1/2" x 1/2"	29UFS-88	...
32117		209AFSG-8E		1/2" x 3/4"	29UFS-812	...
32118		209AFSG-10E		5/8" x 3/4"	29UFS-1012	...
32119		209AFSG-12E		3/4" x 3/4"	29UFS-1212	...

130 126 29FSG KF-RN NPSM Gasket Seal

FORGED HOSE BARB 90° ELBOW



07020
29E
129E

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE NPTF	MAF #	MAF PRICE
32308	07020-0302	HE1-3A		3/16" x 1/8"		
32391		HE1-3B		3/16" x 1/4"		
32038	07020-0402	HE1-4A		1/4" x 1/8"	29E-42	...
32039	07020-0404	HE1-4B		1/4" x 1/4"	29E-44	...
32309		HE1-4C		1/4" x 3/8"	29E-46	...
32036	07020-0502	HE1-5A		5/16" x 1/8"	29E-52	...
32040	07020-0504	HE1-5B		5/16" x 1/4"	29E-54	...
32310	07020-0506	HE1-5C		5/16" x 3/8"	29E-56	...
32046	07020-0602	HE1-6A		3/8" x 1/8"	29E-62	...
32041	07020-0604	HE1-6B		3/8" x 1/4"	29E-64	...
32042	07020-0606	HE1-6C		3/8" x 3/8"	29E-66	...
32047	07020-0608	HE1-6D		3/8" x 1/2"	29E-68	...
32048	07020-0804	HE1-8B		1/2" x 1/4"	29E-84	...
32043	07020-0806	HE1-8C		1/2" x 3/8"	29E-86	...
32311	07020-0808	HE1-8D		1/2" x 1/2"	29E-88	...
32044	07020-1006	HE1-10C		5/8" x 3/8"	29E-106	...
32045	07020-1008	HE1-10D		5/8" x 1/2"	29E-108	...
32312		HE1-10E		5/8" x 3/4"		
32313		HE1-12D		3/4" x 1/2"		
32314 *		HE1F-12E		3/4" x 3/4"		
32330 **				3/4" x 1"		
32315		HE1-16E		1" x 3/4"		
32319		HE1-16F		1" x 1"		

DIMENSION DATA CAN CHANGE WITHOUT NOTICE. PLEASE CALL WHEN DIMENSIONS ARE CRITICAL.

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129 HBEI KF-PS90 HE-1 29E 146

HOSE BARB

BRASS FITTINGS

BARSTOCK HOSE BARB 90° ELBOW

29EBS

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE NPTF	MAF #	MAF PRICE
32038B				1/4" X 1/8"	29E-42BS	...
32039B				1/4" X 1/4"	29E-44BS	...
32309B				1/4" X 3/8"	29E-46BS	...
32036B				5/16" X 1/8"	29E-52BS	...
32040B				5/16" X 1/4"	29E-54BS	...
32310B				5/16" X 3/8"	29E-56BS	...
32046B				3/8" X 1/8"	29E-62BS	...
32041B				3/8" X 1/4"	29E-64BS	...
32042B				3/8" X 3/8"	29E-66BS	...
32047B				3/8" X 1/2"	29E-68BS	...
32048B				1/2" X 1/4"	29E-84BS	...
32043B				1/2" X 3/8"	29E-86BS	...
32311B				1/2" X 1/2"	29E-88BS	...
32314B				3/4" X 3/4"	29E-1212BS	...

HOSE BARB TEES

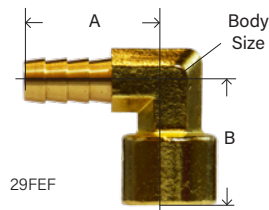
07024

* Barstock

MIDLAND	AMC	CHAMPION	LIST	HOSE BARB SIZE (1 & 2) X 3	MAF #	MAF PRICE
32367 *		HBT2-2		1/8"		
32368		HBT2-3		3/16"		
32365 **	07024-04	HBT2-4		1/4"	29T-4	...
32350 *		HBT2-442		(1/4") x 1/8"		
32366	07024-05	HBT2-5		5/16"	29T-5	...
32126 **	07024-06	HBT2-6		3/8"	29T-6	...
		HBT2-664		3/8" x 1/4"		
32400 *		HBT2-8		1/2"		
32352 *		HBT2-886		(1/2") x 3/8"		
32361		HBT2-10		5/8"		
32363		HBT2-12		3/4"		
32353		HBT2-12128		(3/4") x 1/2"		
32128 *		HBT2-6B		3/8"HB x 1/4" MIP	29TRM-664	...

90° FEMALE HOSE BARB ELBOW

129HB



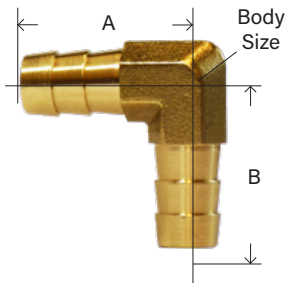
29FEF

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X FEMALE NPTF	MAF #	MAF PRICE
32401		HE3-4A	----	1/4" x 1/8"		
32402		HE3-4B	----	1/4" x 1/4"		
32403		HE3-6A	----	3/8" x 1/8"		
32404		HE3-6B	----	3/8" x 1/4"		
32405		HE3-6C	----	3/8" x 3/8"		
32406			----	3/8" x 1/2"		
32407		HE3-8B	----	1/2" x 1/4"		
32410		HE3-8C	----	1/2" x 3/8"		
32411		HE3-8D	----	1/2" x 1/2"		
32409		HE3-12E	----	3/4" x 3/4"		

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BRASS FITTINGS

90° HOSE BARB ELBOW



MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X HOSE I.D.	MAF #	MAF PRICE
32429		HM-90-2	----	1/8" x 1/8"		
32433		HM-90-3	----	3/16" x 3/16"		
32412			----	1/4" x 1/8"		
32413 *		HM-90-4	----	1/4" x 1/4"		
32425		HM-90-5	----	5/16" x 5/16"		
32414			----	3/8" x 1/8"		
32415			----	3/8" x 1/4"		
32416 *		HM-90-6	----	3/8" x 3/8"		
32417			----	3/8" x 1/2"		
32418			----	1/2" x 1/4"		
32419			----	1/2" x 3/8"		
32420 *		HM-90-8	----	1/2" x 1/2"		
32434		HM-90-10	----	5/8" x 5/8"		
32435			----	3/4" x 1/2"		
32436		HM-90-12	----	3/4" x 3/4"		

45° ELBOW



07045
294S
1294S

* Barstock

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE NPTF	MAF #	MAF PRICE
32110	07045-0402	HE1-45-4A		1/4" x 1/8"	2945F-42	...
				1/4" x 1/8"	2945-42BS*	...
32109*	07045-0404	HE1-45-4B		1/4" x 1/4"	2945-44BS*	...
	07045-0002	HE1-45-5A		5/16" x 1/8"	2945F-52	
	07045-0504	HE1-45-5B		5/16" x 1/4"	2945F-54	...
32111	07045-0602	HE1-45-6A		3/8" x 1/8"	2945F-62	...
32112	07045-0604	HE1-45-6B		3/8" x 1/4"	2945F-64	...
32113	07045-0606	HE1-45-6C		3/8" x 3/8"	2945F-66	...
32346	07045-0804	HE1-45-8B		1/2" x 1/4"	2945F-84	...
32114	07045-0806	HE1-45-8C		1/2" x 3/8"	2945F-86	...
32116		HE1-45-8D		1/2" x 1/2"	2945F-88	...
32115	07045-1006	HE1-45-10C		5/8" x 3/8"	2945F-106	...
32345		HE1-45-12D		3/4" x 1/2"		

140 HE145 139HB KF-PS45 13945

CROSSES



MIDLAND	AMC	CHAMPION	LIST	HOSE ID	MAF #	MAF PRICE
32608			----	1/4"		
32609			----	5/16"		
32610			----	3/8"		

Hose Wyes available with extended lead time.

DIMENSION DATA CAN CHANGE WITHOUT NOTICE. PLEASE CALL WHEN DIMENSIONS ARE CRITICAL.

HOSE BARB

BRASS FITTINGS

BALL END SWIVEL

NPSM - Ball seat type

07008
29FS
129FS

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X NPSM	MAF #	MAF PRICE
32066	07008-0202	209AS-2A		1/8" x 1/8"	29FS-22	...
32067	07008-0302	209AS-3A		3/16" x 1/8"	29FS-32	...
32068	07008-0304	209AS-3B		3/16" x 1/4"	29FS-34	...
32962				3/16" x 3/8"	29FS-36	...
32069	07008-0402	209AS-4A		1/4" x 1/8"	29FS-42	...
32070	07008-0404	209AS-4B		1/4" x 1/4"	29FS-44	...
32078	07008-0406	209AS-4C		1/4" x 3/8"	29FS-46	...
32071	07008-0504	209AS-5B		5/16" x 1/4"	29FS-54	...
32389		209AS-5C		5/16" x 3/8"	29FS-56	...
32072	07008-0604	209AS-6B		3/8" x 1/4"	29FS-64	...
32073	07008-0606	209AS-6C		3/8" x 3/8"	29FS-66	...
32074	07008-0608	209AS-6D		3/8" x 1/2"	29FS-68	...
32075	07008-0806	209AS-8C		1/2" x 3/8"	29FS-86	...
32076	07008-0808	209AS-8D		1/2" x 1/2"	29FS-88	...
32077	07008-1212	209AS-12E		3/4" x 3/4"	29FS-1212	...

128HBLSV 29FS 209AS 124 131

BALLSEAT MALE ADAPTER

Beveled Seat



07654

MIDLAND	AMC	CHAMPION	LIST	NPSM X MALE NPTF	MAF #	MAF PRICE
32359	07654-0202	122AS-2A		1/8" x 1/8"	WH48-22	...
32034	07654-0402	122AS-4A		1/4" x 1/8"	WH48-42	...
32030	07654-0404	122AS-4B		1/4" x 1/4"	WH48-44	...
32362	07654-0604	122AS-6B		3/8" x 1/4"	WH48-64	...
32031	07654-0606	122AS-6C		3/8" x 3/8"	WH48-66	...
32392		122AS-6D		3/8" x 1/2"	WH48-68	...
32364	07654-0806	122AS-8C		1/2" x 3/8"	WH48-86	...
32032	07654-0808	122AS-8D		1/2" x 1/2"	WH48-88	...
32033	07654-1212	122AS-12E		3/4" x 3/4"	WH48-1212	...

172 134 127HB 122AS

BALLSEAT UNION30° Seat
07656

MIDLAND	AMC	CHAMPION	LIST	NPSM X NPSM	MAF #	MAF PRICE
32460		122AS-22UN		1/8"	WH42-2	...
32461	07656-0404	122AS-44UN		1/4"	WH42-4	...
32462				3/8"	WH42-6	...
32463	07656-0808			1/2"	WH42-8	...

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HOSE BARB

BRASS FITTINGS

45° FLARE ADAPTER



07004
29SAE
129SAE

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X 45° FLARE	MAF #	MAF PRICE
32322	07004-0304	201BF-34		3/16" x 1/4"	29MSAE-34	...
32081	07004-0404	201BF-44		1/4" x 1/4"	29MSAE-44	...
32082	07004-0406	201BF-46		1/4" x 3/8"	29MSAE-46	...
32083	07004-0505	201BF-55		5/16" x 5/16"	29MSAE-55	...
32084	07004-0606	201BF-66		3/8" x 3/8"	29MSAE-66	...
32085	07004-0608	201BF-68		3/8" x 1/2"	29MSAE-68	...
32086	07004-0808	201BF-88		1/2" x 1/2"	29MSAE-88	...

142 201BF KF-MS KDS

COMPRESSION ADAPTER - BARB X MALE COMPRESSION THREAD



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				1/8" x 1/4"	29CT-24	...
				3/16" x 3/16"	29CT-33	...
				3/16" x 1/4"	29CT-34	...
				1/4" x 3/16"	29CT-43	...
				1/4" x 1/4"	29CT-44	...
				1/4" x 5/16"	29CT-45	...
				1/4" x 3/8"	29CT-46	...
				5/16" x 1/4"	29CT-54	...
				5/16" x 5/16"	29CT-55	...
				3/8" x 3/16"	29CT-63	...
				3/8" x 1/4"	29CT-64	...
				3/8" x 3/8"	29CT-66	...
				1/2" x 1/2"	29CT-88	...

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BRASS

HOSE BARB

BRASS FITTINGS

DUAL 45°/ 37° FLARE SWIVEL

MIDLAND	AMC	CHAMPION	LIST	HOSE ID X DUAL SEAT	MAF #	MAF PRICE
32107	07010-0304			3/16" x 1/4"	29DS-34	...
32107C**				3/16 X 1/4		
32337				1/4" x 1/4"	29DS-44	...
32337C**				1/4" X 1/4"	29CSAE-44	
32102	07010-0405			1/4" x 5/16"	29DS-45	...
32339				5/16" x 5/16"	29DS-55	...
32340				3/8" x 1/2"	29DS-68	...
				3/8" x 3/8"	29CSAE-66	
32341				1/2" x 1/2"	29DS-88	...
32341C**				1/2" X 1/2"	29CSAE-88	
32342	07010-0810			1/2" x 5/8"	29DS-810	...
32394**				5/8" x 5/8"		
				5/8" x 5/8"	29CSAE-1010	
				3/4" x 3/4"	29CSAE-122	

** Swivel crimp style

KDS

FEMALE 45° FLARE SWIVEL07010
29SAE
129SAE* CRIMP STYLE
29CSAE

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X FEMALE 45° FLARE	MAF #	MAF PRICE
32326	07010-0303	209ASF-33		3/16" x 3/16"	29SAE-33	...
	07010-0304			3/16" x 1/4"	29SAE-34	...
				3/16" x 1/4"	29CSAE-34	...
				3/16" x 3/8"	29SAE-36	...
30295	07215-0310			3/16" x 3/8"	29CSAE-36	...
32101	07010-0404	209ASF-44		1/4" x 1/4"	29SAE-44	...
				1/4" x 1/4"	29CSAE-44	...
	07010-0405			1/4" x 5/16"	29SAE-45	...
32103	07010-0406	209ASF-46		1/4" x 3/8"	29SAE-46	...
32104	07010-0505	209ASF-55		5/16" x 5/16"	29SAE-55	...
32327	07010-0506	209ASF-56		5/16" x 3/8"	29SAE-56	...
32105	07010-0606	209ASF-66		3/8" x 3/8"	29SAE-66	...
32105C				3/8" x 3/8"	29CSAE-66	...
32106	07010-0608	209ASF-68		3/8" x 1/2"	29SAE-68	...
32100	07010-0808	209ASF-88		1/2" x 1/2"	29SAE-88	...
32341C				1/2" x 1/2"	29CSAE-88	...
32394				5/8" x 5/8"	29SAE-1010	...
32328	07010-1212	209ASF-1212		3/4" x 3/4"	29CSAE-1212	...

29SAE 209ASF 146HBLFSV KF-NS 128 FSS 146 144

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HOSE BARB

BRASS FITTINGS

FEMALE 37° J.I.C. FLARE SWIVEL



* CRIMP STYLE
**STAINLESS

MIDLAND	AMC	CHAMPION	LIST	HOSE ID X FEMALE 37° FLARE	MAF #	MAF PRICE
32334		209ASJ-46		1/4" x 3/8"	29JIC-46	...
32335		209ASJ-56		5/16" x 3/8"	29JIC-56	...
				3/8" x 3/8"	29CJIC-66	
32336C				3/8" X 3/8"	29CJIC-66*	...
32338		209ASJ-1212		3/4" x 3/4"	29JIC-1212	
32338C				3/4" x 3/4"	29CJIC-1212*	
32338SS**				3/4" x 3/4"		

KJS

* swivel crimp style - (100 piece minimum)

BARB X SWT

MIDLAND	AMC	CHAMPION	LIST	HOSE ID	MAF #	MAF PRICE
				1/2" x 1/2"	29SWT-88	...
				3/4" x 1/2"	29SWT-128	...
				3/4" x 5/8"	29SWT-1210	...
				3/4" x 7/8"	29SWT-1214	...
				1" x 1"	29SWT-1616	...

REUSABLE MALE FITTINGS



07216
29RU17

MIDLAND	AMC	LIST	HOSE ID	HOSE OD	MALE NPTF	MAF #	MAF PRICE
32727	07217-040804		1/4"	1/2"	1/4"	29RU17-484	...
32728	07217-040904		1/4"	9/16"	1/4"	29RU17-494	...
32726	07217-041004		1/4"	5/8"	1/4"	29RU17-4104	...
32741			5/16"	5/8"	1/4"	29RU17-5104	...
32742	07217-061004		3/8"	5/8"	1/4"	29RU17-6104	...
32744	07217-061104		3/8"	11/16"	1/4"	29RU17-6114	...
32725	07217-061204		3/8"	3/4"	1/4"	29RU17-6124	...
32747	07217-061006		3/8"	5/8"	3/8"	29RU17-6106	...
32750	07217-061106		3/8"	11/16"	3/8"	29RU17-6116	...
32746	07217-081408		1/2"	7/8"	1/2"	29RU17-8148	...

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BRASS

HOSE BARB

BRASS FITTINGS

REUSABLE FEMALE SWIVEL STEMS



MIDLAND	AMC	CHAMPION	LIST	HOSE ID	FEMALE NPSM
32770			----	1/4"	1/4"-18
32771			----	3/8"	3/8"-18

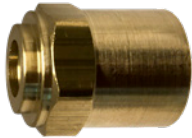
REUSABLE FEMALE SWIVELS



29RU16

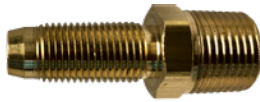
MIDLAND	AMC	CHAMPION	LIST	HOSE ID	HOSE OD	FEMALE NPSM
32772			----	1/4"	1/2"	1/4"
32773			----	3/8"	5/8"	3/8"
32774			----	3/8"	11/16"	3/8"
32775			----	1/2"	7/8"	1/2"

REUSABLE FERRULES



MIDLAND	AMC	CHAMPION	LIST	HOSE ID	HOSE OD
32749			----	1/4"	1/2"
32751			----	1/4"	9/16"
32752			----	1/4"	5/8"
32753			----	3/8"	5/8"
32754			----	3/8"	11/16"
32755			----	3/8"	3/4"
32756			----	1/2"	7/8"

REUSABLE MALE STEMS



MIDLAND	AMC	CHAMPION	LIST	HOSE ID	MALE NPT THREAD
32758			----	1/4"	1/4"
32759			----	3/8"	1/4"
32760			----	3/8"	3/8"
32761			----	1/2"	1/2"

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HOSE BARB

BRASS FITTINGS

BRASS FUEL HOSE BARBS

Typical Application: Low pressure air, fuel and oil applications. Generally used for automotive, light truck, and small engine fuel lines. Use with fuel hose SAE 30R7 & SAE 30R9.

Advantages: Easy to assemble, just push the fitting into the hose & clamp. Good selection of configurations at reasonable cost.

BEADED BARB X MALE PIPE



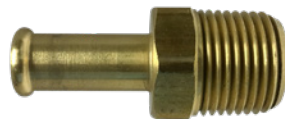
08701
159
29SB

MIDLAND	AMC	CHAMPION	LIST	HOSE ID	MAF #	MAF PRICE
38800	08701-0302	201AB-3A		3/16" x 1/8"	29SB-32	...
38802	08701-0402	201AB-4A		1/4" x 1/8"	29SB-42	...
32377	08701-0404	201AB-4B		1/4" x 1/4"	29SB-44	...
38806	08701-0502	201AB-5A		5/16" x 1/8"	29SB-52	...
38808	08701-0504	201AB-5B		5/16" x 1/4"	29SB-54	...
38810	08701-0602	201AB-6A		3/8" x 1/8"	29SB-62	...
32381	08701-0604	201AB-6B		3/8" x 1/4"	29SB-64	...
32382	08701-0606	201AB-6C		3/8" x 3/8"	29SB-66	...
		201AB-8B		1/2" x 1/4"	29SB-84	...
32383	08701-0806	201AB-8C		1/2" x 3/8"	29SB-86	...
32384	08701-0808	201AB-8D		1/2" x 1/2"	29SB-88	...
				1/2" x 3/4"	29SB-812	...
	08701-1006	201AB-10C		5/8" x 3/8"	29SB-106	...
32385	08701-1008	201AB-10D		5/8" x 1/2"	29SB-108	...
	08701-1012			5/8" x 3/4"	29SB-1012	...
32387	08701-1208	201AB-12D		3/4" x 1/2"	29SB-128	...
32388	08701-1212	201AB-12E		3/4" x 3/4"	29SB-1212	...
				1" x 1/2"	29SB-168	...
		201AB-16E		1" x 3/4"	29SB-1612	...
				1" x 1"	29SB-1616	...
				1"-1/8" x 1"	29SB-1816	...

68HB

BUBBLE BARB MALE ADAPTER

BUBBLE X MIP



MIDLAND	AMC	CHAMPION	LIST	BUBBLE X MIP	MAF #	MAF PRICE
32176				3/8" x 3/8"		
32177				1/2" x 1/4"	29BB-84	...
32178				1/2" x 3/8"	29BB-86	...
32179				1/2" x 1/2"	29BB-88	...
32182				5/8" x 3/8"	29BB-106	...
32183				5/8" x 1/2"	29BB-108	...
32184				3/4" x 1/2"	29BB-128	...
32180				3/4" x 3/4"	29BB-1212	...
32185				1" x 3/4"	29BB-1612	...
32181				1" x 1"	29SB-1616	...

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BRASS

HOSE BARB

BRASS FITTINGS

INVERTED FLARE MALE CONNECTOR

BEADED BARB X INVERTED FLARE

08706
159IN
29IFSB

MIDLAND	AMC	CHAMPION	LIST	HOSE ID	MAF #	MAF PRICE
	08706-0404			1/4" x 1/4"	29IFSB-44	...
	08706-0405			1/4" x 5/16"	29IFSB-45	...
38828	08706-0504	205AB-54		5/16" x 1/4"	29IFSB-54	...
38830	08706-0505	205AB-55		5/16" x 5/16"	29IFSB-55	...
38832	08706-0506	205AB-56		5/16" x 3/8"	29IFSB-56	...
38834	08706-0605			3/8" x 5/16"	29IFSB-65	...
38836	08706-0606	205AB-66		3/8" x 3/8"	29IFSB-66	...

90° MALE ELBOW

BEADED BARB X MALE PIPE

08720
29ESB

MIDLAND	AMC	CHAMPION	LIST	HOSE ID	MAF #	MAF PRICE
38860	08720-0402	HE1B-4A		1/4" x 1/8"	29ESB-42	...
38862	08720-0502	HE1B-5A		5/16" x 1/8"	29ESB-52	...
38864	08720-0504	HE1B-5B		5/16" x 1/4"	29ESB-54	...
38866	08720-0602	HE1B-6A		3/8" x 1/8"	29ESB-62	...
38868	08720-0604	HE1B-6B		3/8" x 1/4"	29ESB-64	...

269HB

BUBBLE BARB

159E

MIDLAND	AMC	CHAMPION	LIST	HOSE ID	MAF #	MAF PRICE
32186	08720-0606	HE1B-6C		3/8" x 3/8"	29ESB-66	...
32194		HE1B-8B		1/2" x 1/4"		
32187	08720-0806	HE1B-8C		1/2" x 3/8"	29ESB-86	...
32191	08720-0808			1/2" x 1/2"	29ESB-88	...
32195		HE1B-10B		5/8" x 1/4"		
32188	08720-1006	HE1B-10C		5/8" x 3/8"	29ESB-106	...
32189	08720-1008	HE1B-10D		5/8" x 1/2"	29ESB-108	...
32190	08720-1208	HE1B-12D		3/4" x 1/2"	29ESB-128	...
32192		HE1B-12E		3/4" x 3/4"	29ESB-1212	...
				1" x 3/4"	29ESB-1612	...

INVERTED FLARE MALE SWIVEL 90° ELBOW

BEADED BARB X TUBE O.D.

08722
159ELS
29IMES

MIDLAND	AMC	CHAMPION	LIST	HOSE ID	MAF #	MAF PRICE
38861	08722-0404	205AB-90-44		1/4" x 1/4"	29IMES-44	...
	08722-0405	205AB-90-45		1/4" x 5/16"	29IMES-45	...
38873	08722-0505	205AB-90-55		5/16" x 5/16"	29IMES-55	...
38869	08722-0605			3/8" x 5/16"	29IMES-65	...
38874	08722-0606	205AB-90-66		3/8" x 3/8"	29IMES-66	...

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WELD HOSE FITTINGS

BRASS FITTINGS

WELDING HOSE ASSEMBLIES

OXYGEN LINE HOSE BARB X RIGHT HAND THREAD (9-16-18) ASSEMBLIES



MIDLAND	AMC	CHAMPION	LIST	WELDING HOSE	MAF #	MAF PRICE
30408	07629-0309	209RWA-3		3/16"	29FWE3-9	
30409	07629-0409	209RWA-4		1/4"	29FWE4-9	
	07629-0509	209RWA-5		5/16"	29FWE5-6	
30415	07629-0609	209RWA-6		3/8"	29FWE6-9	
30407	07629-0306			3/16"	29FWE3-6	

ACETYLENE LINE HOSE BARB X LEFT HAND THREAD (9/16-18) ASSEMBLY



MIDLAND	AMC	CHAMPION	LIST	HOSE SIZE	MAF #	MAF PRICE
30417	07639-0309	209LWA-3		3/16"	29FWL3-9	
30431	07639-0409	209LWA-4		1/4"	29FWL4-9	
	07639-0509	209LWA-5		5/16"	29FWL5-9	
30433	07639-0609	209LWA-6		3/8"	29FWL6-9	
	07639-0306*			3/16"	29FWL3-6	

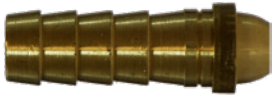
* 3/8-24 thread

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BRASS

WELD HOSE FITTINGS

BRASS FITTINGS

WELDING HOSE FITTINGS**STEM ONLY - WELDING HOSE CONNECTOR**

MIDLAND	AMC	CHAMPION	LIST	HOSE ID	MAF #	MAF PRICE
30410		209WA-3		3/16"	29FW-3	...
30411		209WA-4		1/4"	29FW-4	...
		209WA-5		5/16"	29FW-5	...
30413		209WA-6		3/8"	29FW-6	...

Assemble with nuts below.

201RWA WRS WLS

RIGHT HAND 9/16 - 18 FOR OXYGEN LINE - WELDING HOSE NUT07629
(WITH STEM)

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30420		209RWA-NUT		R.H. Nut only	29FWN-9R	...

Assemble with stem above.

201RWA WRS KF-PE 152

LEFT HAND 9/16 - 18 FOR ACETYLENE LINE - WELDING HOSE NUT07639
(WITH STEM)

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30421		209LWA-NUT		L.H. Nut only	29FWN-9L	...

Assemble with stem above.

209LWA WLS 154 KF-RE

RIGHT HAND 9/16 - 18 #122RWA - WELDING HOSE CONNECTOR07651
651
WH42R

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
		122RWA-A		1/8"-27		
30401	07651-0904	122RWA-B		1/4"-18	122RWA-92	...
32437	07651-0906	122RWA-C		3/8"-18	122RWA-96	...
32438*	07651-0909	122RWA-UNION		9/16"-18	122RWA-99	...

* Right UNF thread

156

LEFT HAND 9/16 - 18 #122LWA - WELDING HOSE CONNECTOR07652
652
WH42L

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30406	07652-0904	122LWA-B		1/4"-18	122LWA-94	...
32439	07652-0906	122LWA-C		3/8"-18	122LWA-96	...
32440*	07652-0909			9/16"-18	122LWA-99	...

* Left UNF thread

158

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BARBED FOR PLASTIC TUBING

BRASS FITTINGS

UNION

07062
29MBS



TUBE O.D. (TUBE I.D.) X TUBE O.D. (TUBE I.D.)

MIDLAND	AMC	LIST	SIZE	MAF #	MAF PRICE
21003	07062-02		1/4(1/8) x 1/4(1/8)	29MBS-2	...
			1/4(1/8) Long	29MBS-2L	...
			1/4(1/8) x 10/32(5/32)	29MBS-250	...
21007			3/8(1/4) x 1/4(1/8)	29MBS-42	...
			3/8(1/4) x 5/16(3/16)	29MBS-43	...
21009	07062-04		3/8(1/4) x 3/8(1/4)	29MBS-4	...
			1/2(3/8) x 1/4(1/8)	29MBS-62	...
			1/2(3/8) x 3/8(1/4)	29MBS-64	...
21084	07062-06		1/2(3/8) x 1/2(3/8)	29MBS-6	...

1062 962

MALE ADAPTER

07068



TUBE O.D. (TUBE I.D.) X MALE PIPE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				1/8(1/16) x 1/8	29MB-12	...
21021				1/4(1/8) x 1/16	29MB-21	...
21023	07068-0202			1/4(1/8) x 1/8	29MB-22	...
21025	07068-0204			1/4(1/8) x 1/4	29MB-24	...
21027	07068-0402	68MB-4A		3/8(1/4) x 1/8	29MB-42	...
20128	02082-06	68MB-4B		3/8(1/4) x 1/4	29MB-44	...
				3/8(1/4) x 1/2	29MB-48	...
21033	07068-0806			1/2(3/8) x 3/8	29MB-66	...
				1/2(3/8) x 1/2	29MB-68	...

1068 968 688

FEMALE ADAPTER



TUBE O.D. (TUBE I.D.) X FEMALE PIPE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
21043				1/4(1/8) x 1/8	29FMB-22	...
21044				1/4(1/8) x 1/4	29FMB-24	...
21046				3/8(1/4) x 1/4	29FMB-44	...
21049				3/8(1/4) x 3/8	29FMB-46	...
				1/2(3/8) x 3/8	29FMB-66	...

1066 966 26 668

BULKHEAD UNION

29MBHS



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
21082				1/4(1/8)	29MBHS-2	...
21083		62MBH-4		3/8(1/4)	29MBHS-4	...
21084				1/2(3/8)	29MBHS-6	...

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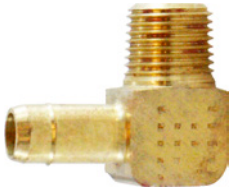
BARBED FOR PLASTIC TUBING

BRASS FITTINGS

MINI BARB ELBOW

1065
965
07065

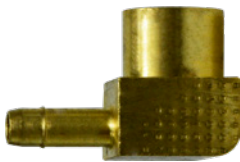
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
21095	07065-02			1/4(1/8)	29BEMB-2	...
21097	07065-04			3/8(1/4)	29BEMB-4	...
21099	07065-06			1/2(3/8)	29BEMB-6	...

MALE 90° ELBOW

07069

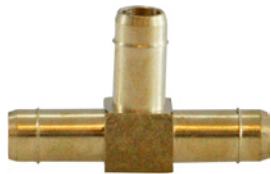
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
21111				1/4(1/8) x 1/16	29MBE-21	...
21113	07069-0202			1/4(1/8) x 1/8	29MBE-22	...
21115	07069-0204			1/4(1/8) x 1/4	29MBE-24	...
21117	07069-0402			3/8(1/4) x 1/8	29MBE-42	...
21119	07069-0404			3/8(1/4) x 1/4	29MBE-44	...
21121	07069-0606			1/2(3/8) x 3/8	29MBE-66	...

1069 969 229

FEMALE 90° ELBOW

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
21133				1/4(1/8) x 1/8	29MBFE-22	...
21134				3/8(1/4) x 1/4	29MBFE-44	...

1070 970 230

UNION TEE

07064

MIDLAND	AMC	LIST	1 X 2 X 3 SIZE	MAF #	MAF PRICE
21151	07064-02		1/4(1/8)	29MBT-2	...
21153			3/8(1/4)X 3/8(1/4)X1/4(1/8)	29MBTR-442	...
			3/8(1/4) x 1/2(3/8) x 3/8(1/4)	29MBTR-464	...
21155	07064-04		3/8(1/4)	29MBT-4	...
			1/2(3/8) x 1/2(3/8) x 1/4(1/8)	29MBTR-662	...
21159			1/2(3/8)X1/2(3/8)X3/8(1/4)	29MBTR-664	...
21161	07064-06		1/2(3/8)	29MBT-6	...

1064 964 224

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BARBED FOR PLASTIC TUBING

BRASS FITTINGS

MALE BRANCH TEE



29MRMT
07072

MIDLAND	AMC	LIST	SIZE	MAF #	MAF PRICE
21193	07072-0202		1/4(1/8) x 1/4(1/8) x 1/8	29MBMT-22	...
21195			3/8(1/4) x 3/8(1/4) x 1/8	29MBMT-42	...
			3/8(1/4) x 3/8(1/4) x 1/4	29MBMT-44	...

1072 972 232

FEMALE BRANCH TEE



29MBPT

MIDLAND	AMC	LIST	SIZE	MAF #	MAF PRICE
21207			1/4(1/8) x 1/4(1/8) x 1/8	29MBFT-22	...

1077 978

MALE RUN TEE



07071

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				1/4(1/8) x 1/8	29MBMRT-22	...
				3/8 (1/4) x 1/8	29MBMRT-42	...

PLUGS



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				1/4(1/8)	29MBP-2	...
				3/8(1/4)	29MBP-4	...
				1/2(3/8)	29MBP-6	...

DOUBLE BARB ADAPTERS



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				1/4(1/8) x 10/32	29DB-20	...
32150				1/4(1/8) x 1/8	29MDB-22	...
32151				1/4(1/8) x 1/4	29MDB-24	...
32153				3/8(1/4) x 1/4	29MDB-44	...

UNION TEE



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
32159				1/4(1/8)	29DBT-2	...
32160				3/8(1/4)	29DBT-4	...

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BRASS

BARBED FOR PLASTIC TUBING

BRASS FITTINGS

90° ELBOW

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
32170				1/4(1/8 ID)	29DBBE-2	...
32171				3/8(1/4 ID)	29DBBE-4	...
				10/32 (5/32 ID)	29DBBE-532	...

DB X MIP ELBOW

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				1/4 (1/8) x 1/8	29DBE-22	...
				1/4 (1/8) x 1/4	29DBE-24	...
				3/8(1/4) x 1/8	29DBE-42	...
				3/8(1/4) x 1/4	29DBE-44	...

REDUCING DB SPLICER

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				1/2(3/8) x 1/8	29SDB-62	...

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BARSTOCK/ CAST SS HOSE BARB

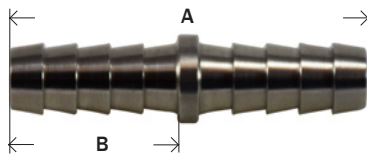
BRASS FITTINGS

316 STAINLESS STEEL MACHINED RIGID MALE ADAPTER



PART #	HOSE I.D. X NPT	
32001SS	1/8" x 1/8"	----
32002SS	3/16" x 1/8"	----
32003SS	3/16" x 1/4"	----
32004SS	1/4" x 1/8"	----
32005SS	1/4" x 1/4"	----
32006SS	1/4" x 3/8"	----
32008SS	5/16" x 1/8"	----
32009SS	5/16" x 1/4"	----
32010SS	5/16" x 3/8"	----
32011SS	3/8" x 1/8"	----
32012SS	3/8" x 1/4"	----
32013SS	3/8" x 3/8"	----
32014SS	3/8" x 1/2"	----
32015SS	1/2" x 1/4"	----
32016SS	1/2" x 3/8"	----
32017SS	1/2" x 1/2"	----
32018SS	1/2" x 3/4"	----
32019SS	5/8" x 3/8"	----
32020SS	5/8" x 1/2"	----
32021SS	5/8" x 3/4"	----
32022SS	3/4" x 1/2"	----
32023SS	3/4" x 3/4"	----
32024SS	1" x 3/4"	----

316 STAINLESS STEEL SPLICER



PART #	HOSE I.D. X HOSE I.D.	A	B	
32091SS	1/8"			----
32093SS	1/4"	2.03	0.97	----
32094SS	5/16"			----
32095SS	3/8"	2.06	0.97	----
32096SS	1/2"	2.06	0.97	----
32098SS	3/4"	2.50	1.19	----

316 STAINLESS STEEL BARB ELBOW



PART #	HOSE I.D. X NPT	
32038SS	1/4" x 1/8"	----
32039SS	1/4" x 1/4"	----
32041SS	3/8" x 1/4"	----
32042SS	3/8" x 3/8"	----
32043SS	1/2" x 3/8"	----
32311SS	1/2" x 1/2"	----
32314SS	3/4" x 3/4"	----

304 STAINLESS STEEL HOSE NIPPLES



• Cast

PART #	HOSE I.D. X MALE PIPE	
73951	1/4"	----
73952	3/8"	----
73953	1/2"	----
73954	3/4"	----
73955	1"	----
73956	1-1/4"	----
73957	1-1/2"	----
73958	2"	----
73959	2-1/2"	----
73960	3"	----

304 STAINLESS STEEL REDUCING HOSE NIPPLES



• Cast

PART #	HOSE I.D. X MALE PIPE	
73970	1/4" X 1/8"	----
73971	3/8" X 1/4"	----
73972	1/2" X 3/8"	----
73973	1/2" X 1/4"	----
73974	3/4" X 1/2"	----
73975	1" X 3/4"	----
73976	1" X 1/2"	----
73977	1-1/4" X 1"	----
73979	1-1/2" X 1-1/4"	----
73980	1-1/2" X 1"	----
73981	2" X 1-1/2"	----
73982	2" X 1-1/4"	----

316 STAINLESS STEEL HOSE NIPPLES



• Cast

PART #	HOSE I.D. X MALE PIPE	
973951	1/4"	----
973952	3/8"	----
973953	1/2"	----
973954	3/4"	----
973955	1"	----
973956	1-1/4"	----
973957	1-1/2"	----
973958	2"	----
973959	2-1/2"	----
973990	3"	----
973991	4"	----

• See King nipples on page 359

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

BEVERAGE FITTINGS

BRASS FITTINGS

BARB TO MALE PIPE ADAPTERSTAINLESS
STEEL

PART #	SIZE	
34587	1/4" x 1/8"	----
34588	1/4" x 1/4"	----
34589	1/4" x 3/8"	----
34590	3/8" x 1/8"	----
34591	3/8" x 1/4"	----
34592	3/8" x 3/8"	----
34595	3/8" x 1/2"	----
34597	1/2" x 3/4"	----

BARB TO MALE FLARE ADAPTERSTAINLESS
STEEL**HOSE ID X 45° FLARE**

PART #	SIZE	
34579	1/4" x 1/4"	----
34586	1/4" x 5/16"	----
34584	1/4" x 3/8"	----
34580	1/4" x 1/2-16"	----
34583	3/8" x 1/4"	----
34585	3/8" x 3/8"	----
34581	3/8" x 1/2-16"	----

FEMALE FLARE SWIVEL SETSSTAINLESS
STEEL

BARB X FEMALE FLARE - TWO PIECE

PART #	SIZE	
34501	1/4" x 1/4"	----
34502	5/16" x 1/4"	----
34504	3/8" x 3/8"	----

ONE PIECE SWIVEL BARB X FE.STAINLESS
STEEL

BARB X FE-FLARE

PART #	SIZE	
34510	3/8" x 1/4"	----

HOSE SPLICER (STRAIGHT)STAINLESS
STEEL**ID HOSE**

PART #	SIZE	
34532	3/16"	----
34533	1/4"	----
34534	1/4" x 3/16"	----
34536	5/16"	----
34537	5/16" x 1/4"	----
34535	3/8"	----
34538	3/8" x 3/16"	----
34543	3/8" x 1/4"	----
34539	3/8" x 5/16"	----
34540	1/2" x 3/8"	----

THINWALL SPLICERSSTAINLESS
STEEL

PART #	SIZE	
34533T	1/4"	----
34535T	3/8"	----
34541T	1/2"	----
34540T	1/2" x 3/8"	----
34543T	3/8" x 1/4"	----

PLUGSTAINLESS
STEEL

PART #	SIZE	
34572	1/4"	----
34574	3/8"	----

THINWALL

PART #	SIZE	
34572T	1/4"	----
34574T	3/8"	----

BARB X COMPRESSIONSTAINLESS
STEEL

PART #	SIZE	
34624	1/4" x 1/4"	----
34625	1/4" x 3/8"	----
34626	3/8" x 3/8"	----

PLATED BRASS SPLICERS

ID SIZES

VINYL TUBE ID/ PL. TUBE ID



PART #	SIZE	
34725	3/16"/1/4"	----
34726	1/4" x 3/16"	----
	5/16" x 1/4"	----
34728	5/16"/3/8"	----
34727	5/16" x 3/16"	----
	3/8"/1/4"	----

TAILPIECES**SS BARB X SWIVEL SHANK**

PART #	SIZE	
34711	-/ 3/16"	----
34713	3/16"/ 1/4"	----
34715	1/4"/ 5/16"	----
34717	3/8"/-	----
34719	1/2"/ 3/8"	----

**N/P BRASS**

PART #	SIZE	
34710	3/16"/1/4"	----
34712	1/4"/5/16"	----
34714	5/16"/3/8"	----
34716	3/8"/-	----
34718	1/2"/-	----

**#304 SS 90° ELBOW**

PART #	SIZE	
34720	3/16"/-	----
34721	1/4"/1/4"	----
34722	5/16"/5/16"	----
34723	3/8"/3/8"	----
34724	1/2"/1/2"	----

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BEVERAGE FITTINGS

BRASS FITTINGS

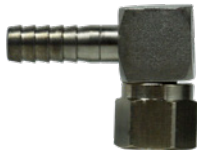
90° SWIVEL ELBOW



HOSE ID X FEMALE 45°

PART #	SIZE	
34525	1/4" x 1/4"	----
34526	3/8" x 1/4"	----
34529	3/8" x 3/8"	----
34531	1/2" x 1/2"	----

BARB TO SWIVEL ELBOW



HOSE ID X FEMALE 45° FLARE

PART #	SIZE	
34600	1/4" x 1/4"	----
34601	3/8" x 1/4"	----

MALE ELBOWS



HOSE ID X MALE NPTF

PART #	SIZE	
34610	1/4" x 1/8"	----
34611	3/8" x 1/4"	----
34612	3/8" x 3/8"	----
34613	1/2" x 1/2"	----

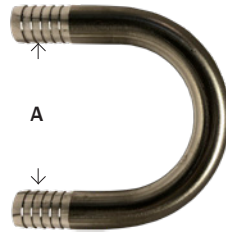
FEMALE ADAPTERS



BARB X FEMALE PIPE

PART #	SIZE	
34661	1/4"	----
34658	1/2"	----

U-BEND



PART #	SIZE	A	
34633	3/8"	2	----

THINWALL U-BEND

Part #	Size	A	
34633T	3/8"	1-1/2	----

U-BEND W/MANIFOLD



THINWALL

PART #	SIZE	
34621T	1/4"	----
34622T	3/8"	----

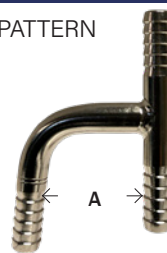
CROSS



PART #	SIZE	
34635T	1/4"	----
34638T	3/8"	----

Y TEES

T= LIGHT PATTERN



PART #	SIZE	A	
34826	1/4"		
34650T	1/4"	1-1/8	----
34652T	3/8"	1-1/4	----
34854	3/8"		

BARB HOSE TEES



ID HOSE

PART #	SIZE	
34561	1/8"	----
34562	1/4"	----
34565	5/16"	----
34563	3/8"	----

REDUCING TEES

PART #	1&2	3	
34567	1/4"	3/8"	----
34568	3/8"	1/4"	----

THINWALL TEES



PART #	SIZE	
34562T	1/4"	----
34565T	5/16"	----
34563T	3/8"	----
34564T	1/2"	----

REDUCING THINWALL TEES

PART #	1&2	3	
34567T	1/4"	3/8"	----
34568T	3/8"	1/4"	----

90° BARB SPLICER



ID HOSE

PART #	SIZE	
34551	1/4"	----
34550	5/16"	----
34552	3/8"	----

THINWALL 90° BARB SPLICERS



PART #	SIZE	
34551T	1/4"	----
34552T	3/8"	----
34553T	1/2"	----

PUSH ON HOSE BARB

BRASS FITTINGS

PUSH ON BARB FITTINGS

Typical Application: Low Pressure Air, Fuel, Lube, and Oil Lines

• Pressure determined by tube material and hardness. Midland Parts have been tested to max 150 PSI.

Advantages: Easy assembly. No clamps needed!!

• **Assembly Instructions**

- 1- Lubricate insert.
- 2- Hold hose at angle to insert over first barb.
- 3- Continue to push straight on until hose is seated under protective plastic cap. Keep hands back from hose end area so that hose can expand.

• **Disassembling Instructions**

- 1- Split hose. Do not cut completely through hose. Sealing edge of barb could be damaged.
- 2- Bend hose and remove with a quick pull.

See lead free section for lead free push-on barb fittings. **Stainless steel available at the end of this section.**

Actual Profile of Push On Barbs



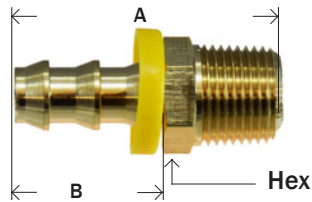
USE OUR APP WITH YOUR FREE BIN LABELS TO MANAGE YOUR CUSTOMERS INVENTORY MORE EFFICIENTLY

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

PUSH-ON FITTINGS

BRASS FITTINGS

MALE ADAPTERS

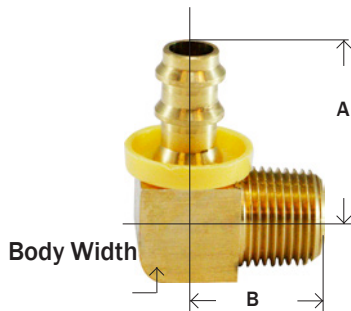


07201
29PO1
129PO1

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE NPTF	MAF #	MAF PRICE
30200	07201-0402	301-42		1/4" x 1/8"	29PO1-42	
30201	07201-0404	301-44		1/4" x 1/4"	29PO1-44	
30211	07201-0406	301-46		1/4" x 3/8"	29PO1-46	
30208				1/4" x 1/2"	29PO1-48	
30212	07201-0502	301-52		5/16" x 1/8"	29PO1-52	
30213	07201-0504	301-54		5/16" x 1/4"	29PO1-54	
30202	07201-0602	301-62		3/8" x 1/8"	29PO1-62	
30203	07201-0604	301-64		3/8" x 1/4"	29PO1-64	
30204	07201-0606	301-66		3/8" x 3/8"	29PO1-66	
30205	07201-0608	301-68		3/8" x 1/2"	29PO1-68	
30392	07201-0612	301-612		3/8" x 3/4"	29PO1-612	
30216	07201-0804	301-84		1/2" x 1/4"	29PO1-84	
30206	07201-0806	301-86		1/2" x 3/8"	29PO1-86	
30207	07201-0808	301-88		1/2" x 1/2"	29PO1-88	
30217	07201-0812	301-812		1/2" x 3/4"	29PO1-812	
30218				1/2" x 1"	29PO1-816	
30219	07201-1006	301-106		5/8" x 3/8"	29PO1-106	
30209	07201-1008	301-108		5/8" x 1/2"	29PO1-108	
30214	07201-1012	301-1012		5/8" x 3/4"	29PO1-1012	
30215	07201-1208	301-128		3/4" x 1/2"	29PO1-128	
30210	07201-1212	301-1212		3/4" x 3/4"	29PO1-1212	
				3/4" x 1"	29PO1-1216	
30238	07201-1612	301-1612		1" x 3/4"	29PO1-1612	
30239	07201-1616	301-1616		1" x 1"	29PO1-1616	

301 P990A HLM 100B-1 KA-MB 272 29PO 725 625 BPN 941 30182

MALE ELBOW



29POE
129PO20

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE NPTF	MAF #	MAF PRICE
30372	07220-0402	311-42	----	1/4" x 1/8"		
30373	07220-0404	311-44	----	1/4" x 1/4"		
30374	07220-0502	311-52	----	5/16" x 1/8"		
30375	07220-0504	311-54	----	5/16" x 1/4"		
30370	07220-0602	311-62	----	3/8" x 1/8"		
30371	07220-0604	311-64	----	3/8" x 1/4"		
30376	07220-0606	311-66	----	3/8" x 3/8"		
30377	07220-0608	311-68	----	3/8" x 1/2"		
30382	07220-0806	311-86	----	1/2" x 3/8"		
30378	07220-0808	311-88	----	1/2" x 1/2"		
30379	07220-1008	311-108	----	5/8" x 1/2"		
30383	07220-1208	311-128	----	3/4" x 1/2"		
30381	07220-1212	311-1212	----	3/4" x 3/4"		

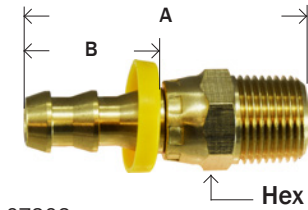
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



100-C 29EPO 273

PUSH-ON FITTINGS

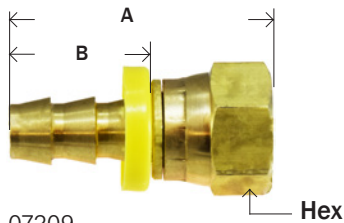
BRASS FITTINGS

MALE SWIVEL

07202
29PO9
129PO2

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE NPTF	MAF #	MAF PRICE
30422		301S-42		1/4" x 1/8"	29PO9-42	
30385	07202-0404	301S-44		1/4" x 1/4"	29PO9-44	
30423				3/8" x 1/8"	29PO9-62	
30386	07202-0604	301S-64		3/8" x 1/4"	29PO9-64	
30387	07202-0606	301S-66		3/8" x 3/8"	29PO9-66	
30388	07202-0806	301S-86		1/2" x 3/8"	29PO9-86	
30389	07202-0808	301S-88		1/2" x 1/2"	29PO9-88	
30424		301S-108		5/8" x 1/2"	29PO9-108	
30390	07202-1212	301S-1212		3/4" x 3/4"	29PO9-1212	

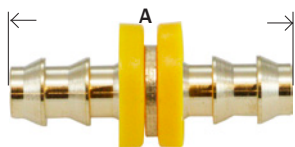
921 HMS 285 31382

FEMALE GASKET SEAL SWIVEL - NPSM

07209
129PO9

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE NPTF	MAF #	MAF PRICE
30359	07209-0402	312-42		1/4" x 1/8"	29PO12-42	
30358	07209-0404	312-44		1/4" x 1/4"	29PO12-44	
	07209-0406			1/4" x 3/8"		
30360	07209-0604	312-64		3/8" x 1/4"	29PO12-64	
30361	07209-0606	312-66		3/8" x 3/8"	29PO12-66	
30362	07209-0608	312-68		3/8" x 1/2"	29PO12-68	
30363	07209-0808	312-88		1/2" x 1/2"	29PO12-88	
	07209-0812	312-108		1/2" x 3/4"		
	07209-1012			5/8" x 3/4"	29PO12-1012	
30366	07209-1212	312-1212		3/4" x 3/4"	29PO12-1212	

280

HOSE SPLICER

07214
29P08
129PO14

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D.	MAF #	MAF PRICE
30300	07214-04	304-44		1/4"	29PO8-4	
30305	07214-05	304-55		5/16"	29PO8-5	
30301	07214-06	304-66		3/8"	29PO8-6	
30302	07214-08	304-88		1/2"	29PO8-8	
30303	07214-10	304-1010		5/8"	29PO8-10	
30304	07214-12	304-1212		3/4"	29PO8-12	

BPM 696 29SPO 296 915 729 100B-Y KA-RM MHL 296 38282

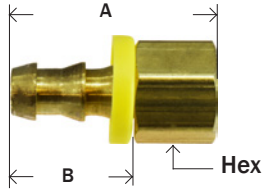
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



PUSH ON HOSE BARB

BRASS FITTINGS

RIGID FEMALE ADAPTER

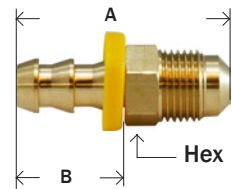


07207
29PO2
129PO7

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X FEMALE NPTF	MAF #	MAF PRICE
30220	07207-0402	3099-42		1/4" x 1/8"	29PO2-42	
30221	07207-0404	3099-44		1/4" x 1/4"	29PO2-44	
30384	07207-0406	3099-46		1/4" x 3/8"	29PO2-46	
30391	07207-0502	3099-52		5/16" x 1/8"	29PO2-52	
30222	07207-0504	3099-54		5/16" x 1/4"	29PO2-54	
30393	07207-0602	3099-62		3/8" x 1/8"	29PO2-62	
30224	07207-0604	3099-64		3/8" x 1/4"	29PO2-64	
30225	07207-0606	3099-66		3/8" x 3/8"	29PO2-66	
30394	07207-0608	3099-68		3/8" x 1/2"	29PO2-68	
30397	07207-0612			3/8" x 3/4"	29PO2-612	
30223	07207-0804	3099-84		1/2" x 1/4"	29PO2-84	
30226	07207-0806	3099-86		1/2" x 3/8"	29PO2-86	
30227	07207-0808	3099-88		1/2" x 1/2"	29PO2-88	
30396	07207-0812	3099-812		1/2" x 3/4"	29PO2-812	
30398	07207-1006			5/8" x 3/8"	29PO2-106	
30229	07207-1008	3099-108		5/8" x 1/2"	29PO2-108	
30403	07207-1012			5/8" x 3/4"	29PO2-1012	
30399	07207-1208	3099-128		3/4" x 1/2"	29PO2-128	
30395	07207-1212	3099-1212		3/4" x 3/4"	29PO2-1212	
30400	07207-1612			1" x 3/4"	29PO2-1612	
30402	07207-1616	3099-1616		1" x 1"	29PO2-1616	

30282 29FPO HLF 626 274 726 940

45° MALE SAE FLARE ADAPTER



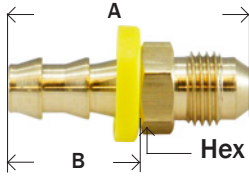
07204
29PO3
129PO4

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X 45° MALE FLARE	MAF #	MAF PRICE
30240	07204-0404	302-44		1/4" x 1/4"	29PO3-44	
30241	07204-0405	302-45		1/4" x 5/16"	29PO3-45	
	07204-0406			1/4" x 3/8"	29PO3-46	
30249	07204-0505	302-55		5/16" x 5/16"	29PO3-55	
	07204-0604			3/8" x 1/4"	29PO3-64	
30271	07204-0605	302-65		3/8" x 5/16"	29PO3-65	
30243	07204-0606	302-66		3/8" x 3/8"	29PO3-66	
	07204-0608			3/8" x 1/2"	29PO3-68	
30245	07204-0808	302-88		1/2" x 1/2"	29PO3-88	
	07204-0810			1/2" x 5/8"	29PO3-810	
				5/8" x 3/8"	29PO3-106	
	07204-1008			5/8" x 1/2"	29PO3-108	
30246	07204-1010	302-1010		5/8" x 5/8"	29PO3-1010	
	07204-1210			3/4" x 5/8"	29PO3-1210	
30247	07204-1212	302-1212		3/4" x 3/4"	29PO3-1212	

100B-3 KA-MS 727 945 682 302 282

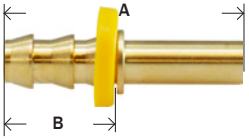
PUSH ON HOSE BARB

BRASS FITTINGS

37° MALE JIC FLARE ADAPTER

07205
29PO11
129PO5

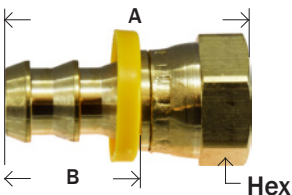
MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE JIC	MAF #	MAF PRICE
32900	07205-0404	310-44		1/4" x 1/4"	29PO11-44	
32901	07205-0405			1/4" x 5/16"	29PO11-45	
32906	07205-0406	310-46		1/4" x 3/8"	29PO11-46	
	07205-0604			3/8" x 1/4"	29PO11-64	
	07205-0605			3/8" x 5/16"	29PO11-65	
32902	07205-0606	310-66		3/8" x 3/8"	29PO11-66	
	07205-0608			3/8" x 1/2"	29PO11-68	
32903	07205-0808	310-88		1/2" x 1/2"	29PO11-88	
	07205-0810			1/2" x 5/8"	29PO11-810	
	07205-1008			5/8" x 1/2"	29PO11-108	
32907	07205-1010	310-1010		5/8" x 5/8"	29PO11-1010	
	07205-1210			3/4" x 5/8"	29PO11-1210	
32905	07205-1212	310-1212		3/4" x 3/4"	29PO11-1212	
				1" x 3/4"	29PO11-1612	
				1" x 1"	29PO11-1616	

RIGID TUBE ADAPTER

07215
29PO10
129PO15

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X O.D TUBE	MAF #	MAF PRICE
30290	07215-0403	303-43		1/4" x 3/16"	29PO10-43	
30291	07215-0404	303-44		1/4" x 1/4"	29PO10-44	
30292	07215-0405	303-45		1/4" x 5/16"	20PO10-45	
30293	07215-0505	303-55		5/16" x 5/16"	29PO10-55	
30294	07215-0606	303-66		3/8" x 3/8"	29PO10-66	
30426		303-68		3/8" x 1/2"	29PO10-68	
30297	07215-0808	303-88		1/2" x 1/2"	29PO10-88	
30298	07215-1010	303-1010		5/8" x 5/8"	29PO10-1010	
30299	07215-1212	303-1212		3/4" x 3/4"	29PO10-1212	

294 100B-X KA-RL 303 732 694

SAE/JIC DUAL 45°/37° FEMALE SWIVEL

07210
29PO5
129PO10

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X DUAL SEAT	MAF #	MAF PRICE
30230	07210-0404	309-44		1/4" x 1/4"	29PO5-44	
30231	07210-0405	309-45		1/4" x 5/16"	29PO5-45	
30232	07210-0505	309-55		5/16" x 5/16"	29PO5-55	
30427		309-65		3/8" x 5/16"	29PO5-65	
30233	07210-0608	309-68		3/8" x 1/2"	29PO5-68	
30234	07210-0808	309-88		1/2" x 1/2"	29PO5-88	
30235	07210-0810	309-810		1/2" x 5/8"	29PO5-810	
30236	07210-1008	309-108		5/8" x 1/2"	29PO5-108	
30237	07210-1010	309-1010		5/8" x 5/8"	29PO5-1010	
30428	07210-1210			3/4" x 5/8"	29PO5-1210	

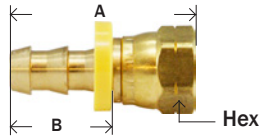
DIMENSION DATA CAN
CHANGE WITHOUT NOTICE.
PLEASE CALL WHEN
DIMENSIONS ARE CRITICAL.

29FDS 287 HDF 309 735 690 P990-K 305 935/934

PUSH ON HOSE BARB

BRASS FITTINGS

45° SAE FLARE FEMALE SWIVEL

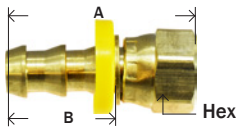


07211
29P06
129PO14

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X 45° FEMALE FLARE	MAF #	MAF PRICE
30250	07211-0404			1/4" x 1/4"	29PO6-44	
30251	07211-0405			1/4" x 5/16"	29PO6-45	
30253	07211-0406	307-46		1/4" x 3/8"	29PO6-46	
30254	07211-0505			5/16" x 5/16"	29PO6-55	
30260	07211-0506	307-56		5/16" x 3/8"	29PO6-56	
				3/8" x 5/16"	29PO6-65	
30252	07211-0606	307-66		3/8" x 3/8"	29PO6-66	
30257	07204-0608			3/8" x 1/2"	29PO6-68	
30261	07211-0806	307-86		1/2" x 3/8"	29PO6-86	
30255	07211-0808			1/2" x 1/2"	29PO6-88	
30258	07211-1010			5/8" x 5/8"	29PO6-1010	
30259	07211-1212	307-1212		3/4" x 3/4"	29PO6-1212	...

30882 728 P990-H 29AEPO 307 284 100S-4 KA-NS HSF 684 934

FEMALE 37° JIC FLARE SWIVEL

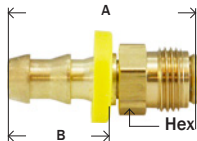


07212
29P07
129PO12

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X FEMALE JIC	MAF #	MAF PRICE
30265	07212-0404			1/4" x 1/4"	29PO7-44	
30264	07212-0406	308-46		1/4" x 3/8"	29PO7-46	
30270	07212-0506	308-56		5/16" x 3/8"	29PO7-56	
30266	07212-0606	308-66		3/8" x 3/8"	29PO7-66	
		308-86		1/2" x 3/8"	29PO7-86	
30267	07212-0808	308-88		1/2" x 1/2"	29PO7-88	
30268	07212-1010			5/8" x 5/8"	29PO7-1010	
30269	07212-1212	308-1212		3/4" x 3/4"	29PO7-1212	
30429		308-1616		1" x 1"	29PO7-1616	...

JF 944/934 29J1CPO HJF 688 738 288 100B-6 308 P990-F 30682 KA-NJ

INVERTED FLARE MALE SWIVEL



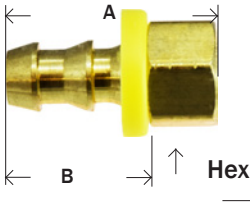
07206
29P016
129PO6

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE INV FLARE	MAF #	MAF PRICE
30275	07206-0403	305-43		1/4" x 3/16"	29PO16-43	
30276	07206-0404	305-44		1/4" x 1/4"	29PO16-44	
30277	07206-0405	305-45		1/4" x 5/16"	29PO16-45	
	07206-0504			5/16" x 1/4"	29PO16-54	
30280	07206-0505	305-55		5/16" x 5/16"	29PO16-55	
30283	07206-0506	305-56		5/16" x 3/8"	29PO16-56	
30284	07206-0605	305-65		3/8" x 5/16"	29PO16-65	
30279	07206-0606	305-66		3/8" x 3/8"	29PO16-66	...
	07206-0608			3/8" x 1/2"	29PO16-68	
	07206-0806			1/2" x 3/8"	29PO16-86	
30282	07206-0808	305-88		1/2" x 1/2"	29PO16-88	
30286	07206-1010	305-1010		5/8" x 5/8"	29PO16-1010	...

290 100B-B KA-MF 1MS 947

PUSH ON HOSE BARB

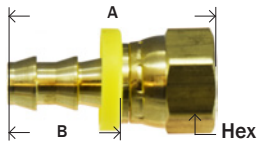
BRASS FITTINGS

INVERTED FLARE FEMALE ADAPTER-RIGID

07213
29P013
129P013

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X FEMALE INV FLARE	MAF #	MAF PRICE
30310	07213-0403	306-43		1/4" x 3/16"	29PO13-43	
30311	07213-0404	306-44		1/4" x 1/4"	29PO13-44	
30312	07213-0405	306-45		1/4" x 5/16"	29PO13-45	
30316	07213-0505	306-55		5/16" x 5/16"	29PO13-55	
30313	07213-0605	306-65		3/8" x 5/16"	29PO13-65	
30314	07213-0606	306-66		3/8" x 3/8"	29PO13-66	
30315	07213-0808	306-88		1/2" x 1/2"	29PO13-88	...

306 100B-A KA-NG 292 P990-J 736 692 946

FEMALE BALLSEAT SWIVEL

07208
29P04
129P08

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X FEMALE NPSM	MAF #	MAF PRICE
30340	07208-0402	3099S-42		1/4" X 1/8"	29PO4-42	
30341	07208-0404	3099S-44		1/4" X 1/4"	29PO4-44	
30342	07208-0406	3099S-46		1/4" x 3/8"	29PO4-46	
30343	07208-0604	3099S-64		3/8" X 1/4"	29PO4-64	
30344	07208-0606	3099S-66		3/8" X 3/8"	29PO4-66	
30430	07208-0608	3099S-68		3/8" x 1/2"	29PO4-68	
30346	07208-0808	3099S-88		1/2" X 1/2"	29PO4-88	
30345	07208-0812	3099S-812		1/2" x 3/4"	29PO4-812	
				5/8" x 1/2"	29PO4-108	
	07208-1012			5/8" x 3/4"	29PO4-1012	
30349	07208-1212	3099S-1212		3/4" X 3/4"	29PO4-1212	...

628 278 29SPO 731 NPSM

PUSH ON MALE BRANCH TEE

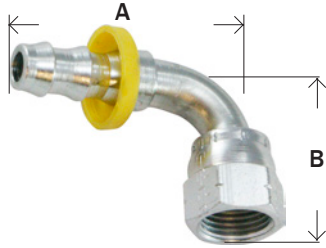
MIDLAND	AMC	CHAMPION	LIST	BRB X BRB X MPT	MAF #	MAF PRICE
				1/4HID X 1/4HID X 1/8MPT	29PO19-442	
				1/4HID X 1/4HID X 1/4MPT	29PO19-444	
				3/8HID X 3/8HID X 1/4MPT	29PO19-664	
				3/8HID X 3/8HID X 3/8MPT	29PO19-666	...

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

PUSH ON HOSE BARB

BRASS FITTINGS

SAE/ JIC 37°/ 45° FEMALE SWIVEL 90° ZINC PLATED STEEL



MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X FEMALE 37°/45°	MAF #	MAF PRICE
30480		318S-44		1/4"		
30482		318S-66		3/8"		
30483*				3/8"		
30484		318S-88		1/2"		
30486		318S-1212	----	3/4"		

* SAE

317S 45° FEMALE SAE SWIVEL STEEL FITTING



MIDLAND	AMC	CHAMPION	LIST	HOSE I.D.	MAF #	MAF PRICE
		317S-44	----	1/4"		
		317S-66	----	3/8"		

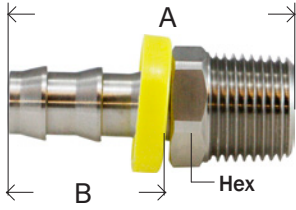
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

STAINLESS STEEL PUSH ON 316 HOSE BARB

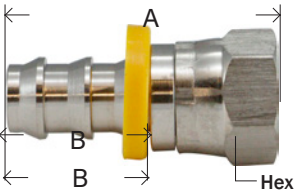
BRASS FITTINGS

316 STAINLESS STEEL MALE ADAPTERS



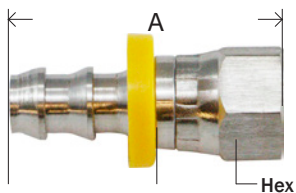
MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X NPT	MAF #	MAF PRICE
30200SS				1/4" x 1/8"		
30201SS				1/4" x 1/4"		
30203SS				3/8" x 1/4"		
30204SS				3/8" x 3/8"		
30206SS				1/2" x 3/8"		
30207SS				1/2" x 1/2"		
30215SS				3/4" x 1/2"		
30210SS				3/4" x 3/4"		

316 STAINLESS STEEL SAE/ JIC 45°/ 37° FEMALE SWIVEL



MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X FEMALE 45°/37°	MAF #	MAF PRICE
30230SS				1/4" x 1/4"		
30234SS				1/2" x 1/2"		

316 STAINLESS STEEL FEMALE 37° JIC FLARE SWIVEL



MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X FEMALE 37°	MAF #	MAF PRICE
30266SS				3/8" x 3/8"		
30269SS				3/4" x 3/4"		

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

GARDEN HOSE FITTINGS



• **Temperature and Working Pressure Ranges**

From +35°F to +100°F at 75 PSI maximum or the recommended working pressure of the garden hose. (Not to exceed 150 PSI.)

Note: All female connector ends should have a rubber washer inserted prior to usage.

FGH = Female Garden Hose threads

MGH = Male Garden Hose threads

Male garden hose threads are all 3/4" with an outside diameter of 1.0625 and 11-1/2" threads per inch.



Male Garden Hose Profile



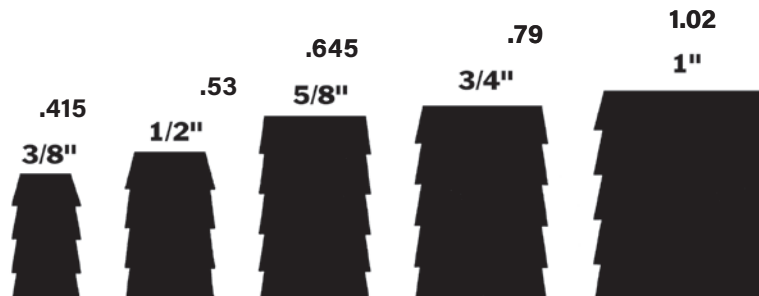
See Plastic section for Plastic Garden Hose Fittings



See Lead Free Section for lead free Garden Hose

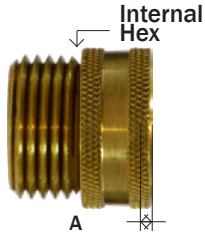
Washers included are #30150B black rubber washers.

Actual Profile of Garden Hose Barbs



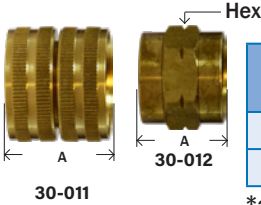
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

GARDEN HOSE**BRASS FITTINGS****SWIVEL - MGH X FGH****•WASHER INCLUDED****•NOT A LIVE SWIVEL**

MIDLAND	AMC	CHAMPION	LIST	MGH X FGH	MAF #	MAF PRICE
30000**		24AS-12		3/4" x 3/4"	106GH	
				1" x 3/4"	16GH	
				1" x 3/4"	16KNGH*	

** available in swivel crimp style | * Knurled Nut

SWIVEL - FGH X FGH**•WASHER INCLUDED**

MIDLAND	AMC	CHAMPION	LIST	FGH X FGH	MAF #	MAF PRICE
30011	07403-12	22AS-12E		3/4" x 3/4"	S3*	
30012	07402-12	22A-12		No Swivel	13GH	

*add w for washer

HUS 91 203W GSU 101GHSV 22AS 506 FS66

SWIVEL - FGH X FEMALE PIPE

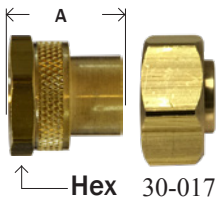
PART #	AMC	CHAMPION	LIST	FGH X FEMALE NPTF	MAF #	MAF PRICE
30001	07401-1208	5AS-12D		3/4" x 1/2"	S1*	
30006	07401-1212	5AS-12E		3/4" x 3/4"	S2*	
				1" x 1"	S5	

*add w for washer

S1 HSU11 91Z 197S 98GHSV 5AS 21517 502 FS65

EVAPORATIVE COOLER FITTINGS

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
50016	07487-1208			MGH x 1/2" FIP	ECD-12*	
30013	07492-0808			1/2 MIP x 1/2 FIP x 1/8	ECF8	
30019	07492-1212			3/4 MIP x 3/4 FIP x 1/8	ECF12	
30020	07493-1212			MGH x FGH x 1/8	ECF12H	

RIGID - FGH X FEMALE PIPE

MIDLAND	AMC	CHAMPION	LIST	FGH X FEMALE NPTF	MAF #	MAF PRICE
30016	07411-1202	5A-12A		3/4" x 1/8"	73GH	
30017	07411-1204	5A-12B		3/4" x 1/4"	74GH	
30018		5A-12C		3/4" x 3/8"	75GH	

95GH 501



SEE WEBSITE TO DOWNLOAD YOUR MOST UPDATED PRICING

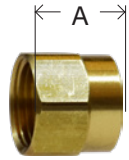
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



GARDEN HOSE

BRASS FITTINGS

RIGID - FGH X FEMALE PIPE



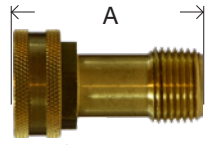
Hex

MIDLAND	AMC	CHAMPION	LIST	FGH X FEMALE NPTF	MAF #	MAF PRICE
30078	07482-1208	5A-12D		3/4" x 1/2"	82GH	
30083	07482-1212	5A-12E		3/4" x 3/4"	83GH	

FS67 198 HU11 21507 501 99GH 5A H15PP

SWIVEL - FGH X MALE PIPE

• WASHER INCLUDED



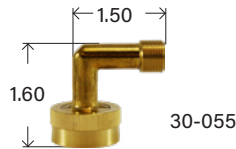
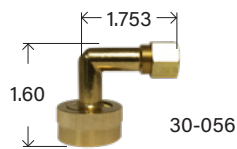
Hex

MIDLAND	AMC	CHAMPION	LIST	FGH X MALE NPTF	MAF #	MAF PRICE
30047	07420-1204			3/4" x 1/4"	102GH-LNG	
30048	07420-1206	W1-CX		3/4" x 3/8"	103GH-LNG	
30049	07420-1208			3/4" x 1/2"	104GH-LNG	

504 89GH W1 62H4 88GH W1

3/8" COMP 3/4" FGH DISHWASHER 90° ELBOW

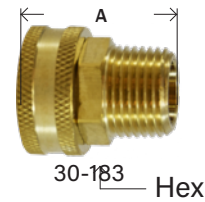
• WASHER INCLUDED



MIDLAND	LIST	3/4 FEMALE GARDEN HOSE THREAD X 3/8 COMPRESSION
30055		3/4" x 3/8" Body Only
30056		3/4" x 3/8" w/ nut & sleeve

SWIVEL - FGH X MALE PIPE

• WASHER INCLUDED

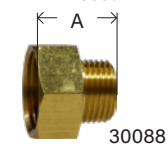


* Crimp style

MIDLAND	AMC	CHAMPION	LIST	FGH X MALE NPTF	MAF #	MAF PRICE
30181*		W1-B	----	3/4" x 1/4"	102GH	
30184*	07420-1206	W1-C	----	3/4" x 3/8"	103GH	
30183		W1-D	----	3/4" x 1/2"	104GH	
30182*		W1-E	----	3/4" x 3/4"	105GHXD	
				3/4" x 1/2"	104GHHN	
				3/4" x 3/4"	105GH	

RIGID - FGH X MALE PIPE

• WASHER INCLUDED



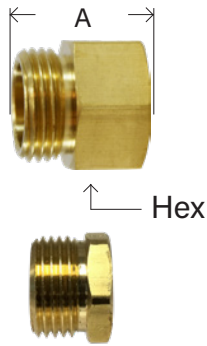
Hex



MIDLAND	AMC	CHAMPION	LIST	FGH X MALE NPTF	MAF #	MAF PRICE
30087		20A-12C	----	3/4" x 3/8"	84GH-126	
30088	07484-1208	20A-12D	----	3/4" x 1/2"	84GH	
30088S				3/4" x 1/2"(1/2"SWT)	84GHS	
30093	07484-1212	20A-12E	----	3/4" x 3/4"	85GH	
30094	07484-121208	20A-12ED	----	3/4" x 3/4"(1/2" FIP)	85GHT	
30093L*			----	3/4" x 3/4"	85GHL	

* Long pattern | ** 1/2 Swt = 5/8 O.D.

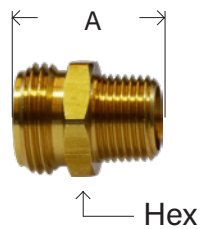
21505 503 83GH 20A HU21 199 H7

GARDEN HOSE**BRASS FITTINGS****RIGID - MGH X FEMALE PIPE**

MIDLAND	AMC	CHAMPION	LIST	MGH X FEMALE NPTF	MAF #	MAF PRICE
30066	07480-1204	18A-12B	----	3/4" x 1/4"	110GH-124	
30067	07480-1206	18A-12C	----	3/4" x 3/8"	110GH-126	
30068	07480-1208	18A-12D	----	3/4" x 1/2"	80GH	
30073	07480-1212	18A-12E	----	3/4" x 3/4"	81GH	
30074				3/4" x 1"	66GH-1216	
30075				1" x 1"	66GH-1616	

197 18R HU12 H11PP 18A 507 18H 81GH 21503 MF67

30-068

RIGID - MGH X MALE PIPE

MIDLAND	AMC	CHAMPION	LIST	MGH X MALE NPTF	MAF #	MAF PRICE
30054				3/4" x 1/4"	76GH	
30053	07478-1206	19A-12C	----	3/4" x 3/8"	77GH	
30058	07478-1208	19A-12D	----	3/4" x 1/2"	78GH	
30058S*	07478-1208			3/4" x 1/2" SWT	78GHS	
30063**	07478-121208	19AF-12DE	----	3/4" x 3/4" x 1/2"	79GHT	
30063BE***			----	3/4" x 3/4"	79GHTS	
30063S		19AF-12E	----	3/4" x 3/4" Short	79GH	
30064		19A-12F	----	3/4" x 1"	68GH-1216	
30065				1" x 1"	68GH-1616	

19R 196 H530 21501 508 HU22 514 71GH 19A

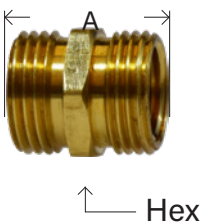
No Tap

* (1/2 Swt = 5/8 O.D.)

** (Tapped 1/2 FIP)

*** (Tapped 1/2 FIP

Both ends)

RIGID - MGH X MGH

* 1-11/2

MIDLAND	AMC	CHAMPION	LIST	MGH X MGH	MAF #	MAF PRICE
30098	07486-121208		----	3/4" x 3/4" (1/2" FIP)	86GHT	
30099	07486-1212	23A-12	----	3/4" x 3/4"	86GH	
30100*		23A-16	----	1" x 3/4"	86GH-1612H	
30101				1" x 1"	86GH-16H	

21500 509 75GH 23A H8 19R

GARDEN HOSE NUT

30-022

30-021

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30021	07407-12	GHN1	----	Knurled	GHNK	
30022	07406-12	GHN1-HC	----	Cut Hex Nut	GHNH	
		GHN1-H		Hex Nut		

94GH GHN1 HNR 21514

Dimension data can change without notice. Please see our website when dimensions are critical.

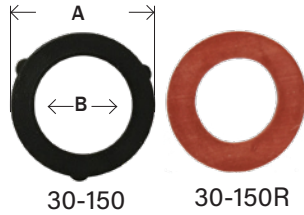
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



GARDEN HOSE

BRASS FITTINGS

GARDEN HOSE WASHERS

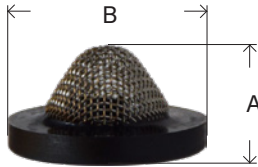


MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30150	07405-12	GH-W	----	black*	GHW	
30150R		GH-W-RED	----	red	GHW-12R	
				white	GHW-12-PE	
30151			----	1"	GHW-16	

* plasticized rubber

GHW 901GH

GARDEN HOSE FILTER WASHER

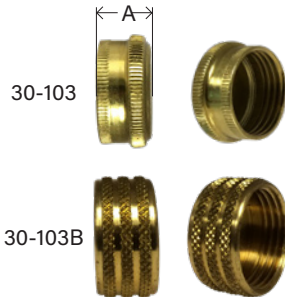


MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30180		GH-W-SCREEN	----	30 Mesh	GHFW	
30180F			----	60 Mesh	GHFW-60	

▪ 300 Series Stainless Steel Screen

LA662

GARDEN HOSE CAP

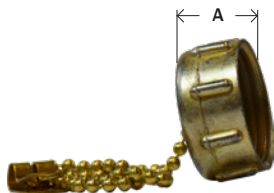


MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30103	07408-12	GHN5-DC	----	3/4" Die Cast		
30103B		GHN5	----	3/4" Barstock	HC-12BS	
				w/ washer	HC12BSW	

▪ Garden hose washers sold separately

513 96GH GHN5 HC1 LA215 21518 200-W

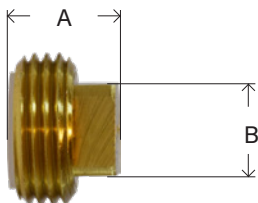
GARDEN HOSE CAP WITH CHAIN



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30142		GHN5-CHAIN	----	3/4" w/ 12" Chain	HC-12WC	

* Zinc die cast

GARDEN HOSE PLUG



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30026	07412-12	GHP1	----	3/4" Square	GHP	
				3/4 Hex	GHPH	

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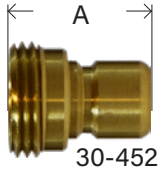
BRASS

GARDEN HOSE

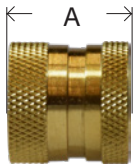
BRASS FITTINGS

HOSE MENDERS - SOLID BARB X BARB

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X HOSE I.D.	MAF #	MAF PRICE
32096			----	1/2"	29S-8	
32097	07014-10	HM-10	----	5/8"	29S-10	
32098	07014-12	HM-12	----	3/4"	29S-12	
32099			----	1"	29S-16	

QUICK DISCONNECT GARDEN HOSE COUPLERS**.WASHER INCLUDED**

30-452

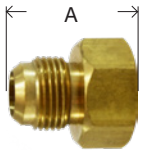


30-451

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30450			----	Complete		
30451			----	Female end		
30452			----	Male end		
30149				Recessed Washer		

- Unvalved construction allows maximum Flow
- 150 PSI
- NBR Seals

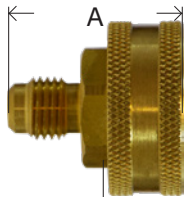
LA73C

MALE FLARE X FGH RIGID

Hex

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X FGH	MAF #	MAF PRICE
30123	07495-0612	46WH-612	----	3/8" x 3/4"	94GH	
30128	07495-0812		----	1/2" x 3/4"	95GH	
30133	07495-1012		----	5/8" x 3/4"	96GH	

190 46WH HFU21

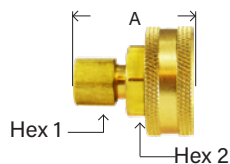
MALE FLARE X FGH SWIVEL**.WASHER INCLUDED**

Hex

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X FGH	MAF #	MAF PRICE
30052			----	1/4" x 3/4"	98GH	
30138	07499-0612	W1-6	----	3/8" x 3/4"	99GH	
30139	07499-0812		----	1/2" x 3/4"	100GH	

* Internal Hex

50GHSV 51GHSV W1 68H 191

COMPRESSION X FGH**.WASHER INCLUDED**

Hex 1

Hex 2

MIDLAND	AMC	CHAMPION	LIST	SWIVEL COMPRESSION X FGH	MAF #	MAF PRICE
30050			----	1/4" x 3/4"	124GH-412	
30051			----	3/8" x 3/4"	125GH-612	
				1/2" x 3/4"	129GH-812	



MIDLAND	AMC	CHAMPION	LIST	NO SWIVEL COMPRESSION X MGH	MAF #	MAF PRICE
30135			----	1/4" x 3/4"	126GH	
30136			----	3/8" x 3/4"	127GH	
30137			----	1/2" x 3/4"	128GH	

Male Flare X Garden Hose Available

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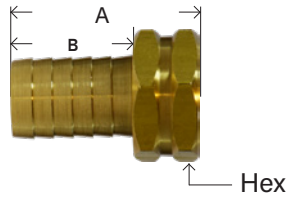
GARDEN HOSE

BRASS FITTINGS

BARSTOCK BRASS GARDEN HOSE COUPLINGS

FEMALE SWIVEL ONLY

•WASHER INCLUDED



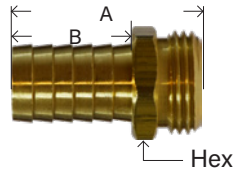
29FGH
329F



BRASS					
MIDLAND	CHAMPION	LIST	HOSE BARB X FGH	MAF #	MAF PRICE
30031	209GHS-6EH	----	3/8" x 3/4"	29FGH-612H	
30032	209GHS-8EH	----	1/2" x 3/4"	29FGH-812H	
30033	209GHS-10EH	----	5/8" x 3/4"	29FGH1012H	
30034	209GHS-12EH	----	3/4" x 3/4"	29FGH-1212H	
30044	209GHS-16EH	----	1" x 3/4"	29FGH-1612H	
30035	209GHS-16FH	----	1" x 1"	29FGH-1616H	

STAINLESS STEEL 316					
30032SS		----	1/2" x 3/4"		
30033SS		----	5/8" x 3/4"		
30034SS		----	3/4" x 3/4"		

MALE END ONLY



29MGH
329M



BRASS					
MIDLAND	CHAMPION	LIST	HOSE BARB X MGH	MAF #	MAF PRICE
30039	201GH-6EX	----	3/8" x 3/4"	29MGH-612	
30040	201GH-8EX	----	1/2" x 3/4"	29MGH-812	
30041	201GH-10EX	----	5/8" x 3/4"	29MGH-1012	
30042	201GH-12EX	----	3/4" x 3/4"	29MGH-1212	
30045	201GH-16EX	----	1" x 3/4"	29MGH-1612	
30043	201GH-16FX	----	1" x 1"	29MGH-1616	

STAINLESS STEEL 316					
30040SS		----	1/2" x 3/4"		
30041SS		----	5/8" x 3/4"		
30042SS		----	3/4" x 3/4"		

GARDEN HOSE COUPLING

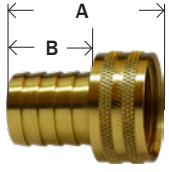


BRASS					
MIDLAND	CHAMPION	LIST	HOSE BARB	MAF #	MAF PRICE
30025	202GHSH-66	----	3/8"	29GHS-65H	
30027	202GHSH-88	----	1/2"	29GHS-8H	
30028	202GHSH-1010	----	5/8"	29GHS-10H	
30029	202GHSH-1212	----	3/4"	29GHS-12H	
30046		----	1"(3/4" threads)	29GHS-16H	
30030	202GHSH-1616	----	1"		

STAINLESS STEEL 316					
30027SS		----	1/2"		
30028SS		----	5/8"		
30029SS		----	3/4"		

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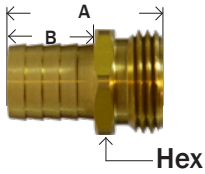
BRASS

GARDEN HOSE**BRASS FITTINGS****FEMALE SWIVEL ONLY - SHORT SHANK KNURLED NUT**

MIDLAND	AMC	CHAMPION	LIST	HOSE BARB X FGH	MAF #	MAF PRICE
30464		209GHS-4E		1/4" x 3/4"	29FGH-412	
		209GHS-6E		3/8" x 3/4"	29FGH-0612	
30466	07046-0812	209GHS-8E	----	1/2" x 3/4"	29FGH-812	
30467	07046-1012	209GHS-10E	----	5/8" x 3/4"	209GHS-1012	
30468	07046-1212	209GHS-12E	----	3/4" x 3/4"	209GHS-1212	

FEMALE END ONLY - SHORT SHANK W/ HEX

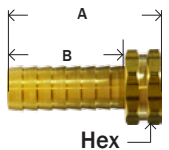
MIDLAND	AMC	CHAMPION	LIST	HOSE X FGH	MAF #	MAF PRICE
30453			----	1/2" x 3/4"	29FGH-812MHK	
30454			----	5/8" x 3/4"	29FGH-1012MHK	
30455			----	3/4" x 3/4"	29FGH-1212MHK	

MALE END ONLY - SHORT SHANK

MIDLAND	AMC	CHAMPION	LIST	HOSE BARB X MGH	MAF #	MAF PRICE
30469				1/4" x 3/4"	29MGH-412	
	07048-0612	201GH-6E			29MGH-0612	
30471	07048-0812	201GH-8E	----	1/2" x 3/4"	29MGH-812	
30472	07048-1012	201GH-10E	----	5/8" x 3/4"	29MGH-1012	
30473	07048-1212	201GH-12E	----	3/4" x 3/4"	29MGH-1212	

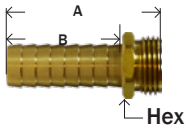
GARDEN HOSE COUPLING SETS - SHORT SHANK W/ HEX NUT

MIDLAND	AMC	CHAMPION	LIST	HOSE BARB	MAF #	MAF PRICE
30457	07042-08	202GHS-88	----	1/2"	29GHS-8MHK	
30458	07042-10	202GHS-1010	----	5/8"	29GHS-10MHK	
30459	07042-12	202GHS-1212	----	3/4"	29GHS-12MHK	

FEMALE SWIVEL ONLY - 2" SHANK**•WASHER INCLUDED**

GHFL 594

MIDLAND	AMC	CHAMPION	LIST	HOSE BARB X FGH	MAF #	MAF PRICE
30505		209GHS-8EHXL	----	1/2" x 3/4"	29FGH-8LGH	
30506		209GHS-10EHXL	----	5/8" x 3/4"	29FGH-10LGH	
30507		209GHS-12EHXL	----	3/4" x 3/4"	29FGH-12LGH	
30508		209GHS-16FHXL	----	1" x 1"	29FGH-16LGH	

MALE END ONLY - 2" SHANK

MIDLAND	AMC	CHAMPION	LIST	HOSE BARB X MGH	MAF #	MAF PRICE
30510		201GH-8EXL	----	1/2" x 3/4"	29MGH-8LG	
30511		201GH-10EXL	----	5/8" x 3/4"	29MGH-10LG	
30512		201GH-12EXL	----	3/4" x 3/4"	29MGH-12LG	
30513		201GH-16FXL	----	1" x 1"	29MGH-16LG	

GARDEN HOSE COUPLING SETS - 2" SHANK

GHML 593

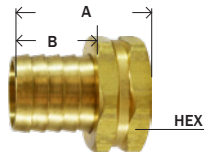
MIDLAND	AMC	CHAMPION	LIST	HOSE X FGH	MAF #	MAF PRICE
30516		202GHSH-8XL	----	1/2"	29GHS-8LGH	
30517		202GHSH-10XL	----	5/8"	29GHS-10LGH	
30518		202GHSH-12XL	----	3/4"	29GHS-12LGH	

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

NPSM GARDEN HOSE

BRASS FITTINGS

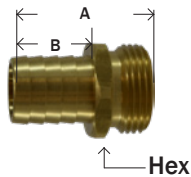
NPSM FEMALE SHORT SHANK



329NPSM

MIDLAND	AMC	CHAMPION	HOSE ID	LIST
30545	07040-812	209NPSM-8EH	1/2	----
30546	07040-1012		5/8	----
30547	07040-1212	209NPSM-12EH	3/4	----
30548			1	----

NPSM MALE SHORT SHANK



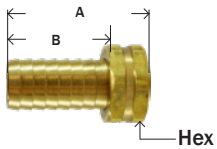
MIDLAND	AMC	CHAMPION	HOSE ID	LIST
30550			1/2	----
30551			5/8	----
30552			3/4	----
30553			1	----

NPSM SHORT SHANK SETS



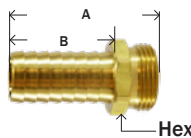
MIDLAND	AMC	CHAMPION	SIZE	LIST
30540			1/2"	----
30541			5/8"	----
30542			3/4"	----
30543			1"	----

NPSM FEMALE LONG SHANK



MIDLAND	AMC	CHAMPION	HOSE ID	LIST
30565			1/2	----
30566			5/8	----
30567			3/4	----
30568			1	----

NPSM MALE LONG SHANK



MIDLAND	AMC	CHAMPION	HOSE ID	LIST
30570			1/2	----
30571			5/8	----
30572			3/4	----
30573			1	----

NPSM LONG SHANK SETS



MIDLAND	AMC	CHAMPION	SIZE	LIST
30560			1/2"	----
30561			5/8"	----
30562			3/4"	----
30563			1"	----

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BRASS

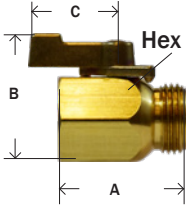
GARDEN HOSE VALVES/ FITTINGS

BRASS FITTINGS

GARDEN HOSE VALVES**ONE WAY BRASS BALL VALVE - FGH X MGH**

• 500 PSI • 180°F

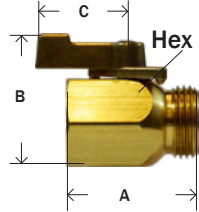
• WASHER INCLUDED



MIDLAND	AMC	CHAMPION	LIST	FGH X MGH	MAF #	MAF PRICE
30161		24AV-12	----	3/4" x 3/4"		

ONE WAY BRASS BALL VALVE - FEMALE PIPE X MGH

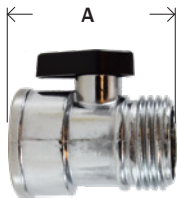
• 500 PSI • 180°F



MIDLAND	AMC	CHAMPION	LIST	FEMALE NPTF X MGH	MAF #	MAF PRICE
30162		18AV-12E	----	3/4" x 3/4"		

ZINC ALLOY HOSE SHUT-OFF W/ ONE LEVER

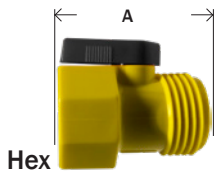
• WASHER INCLUDED



MIDLAND	AMC	CHAMPION	LIST	FGH X MGH	MAF #	MAF PRICE
30631			----	3/4" x 3/4"		

PLASTIC GARDEN HOSE VALVE • CYCOLAC BODY & BALL

• WASHER INCLUDED



MIDLAND	AMC	CHAMPION	LIST	FGH X MGH	MAF #	MAF PRICE
30163			----	3/4" x 3/4"		

LA450C



VIEW PRICING AND AVAILABLE STOCK ONLINE

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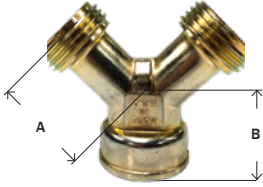


GARDEN HOSE VALVES

BRASS FITTINGS

ZINC ALLOY HOSE - "Y" CONNECTOR

• WASHER INCLUDED

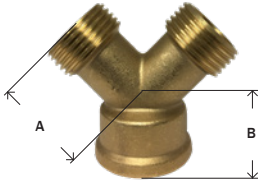


MIDLAND	AMC	CHAMPION	LIST	SIZE FGH X MGH(2)	MAF #	MAF PRICE
30141	07460-12			3/4"		

86Y 21A

CAST BRASS HOSE - "Y" CONNECTOR

• WASHER INCLUDED



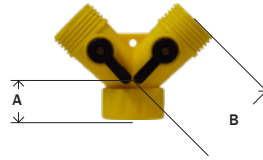
MIDLAND	AMC	CHAMPION	LIST	SIZE FGH X MGH(2)	MAF #	MAF PRICE
30140	07461-12		----	3/4"		

86Y 21A

86YRB
HY12

PLASTIC, NON-CORROSIVE, 2-WAY HOSE SHUT-OFF "Y"

• WASHER INCLUDED

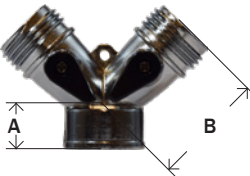


No Swivel ✓

MIDLAND	AMC	CHAMPION	LIST	SIZE FGH X MGH(2)	MAF #	MAF PRICE
30160			----	3/4"		

"Y" SHAPE ZINC ALLOY CONNECTOR W/ TWO LEVERS

• WASHER INCLUDED



No Swivel

MIDLAND	AMC	CHAMPION	LIST	SIZE FGH X MGH(2)	MAF #	MAF PRICE
30626		21AVNI-12	----	3/4"		

"Y" SHAPE BRASS CONNECTOR W/ 2-WAY SHUT OFF

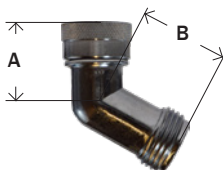
• WASHER INCLUDED



• Brass Levers

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30627		21AV-12	----	3/4"		

ZINC ALLOY SWIVEL HOSE CONNECTOR



MIDLAND	AMC	CHAMPION	LIST	SIZE FGH X MGH	MAF #	MAF PRICE
30629			----	3/4"		

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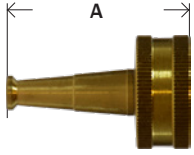


GARDEN HOSE NOZZLES

BRASS FITTINGS

2-1/2" BRASS NOZZLE

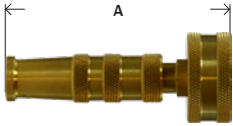
• WASHER INCLUDED



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30637		PSN76	----	3/4"		

3" CROSSED PATTERN BRASS NOZZLE

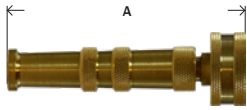
• WASHER INCLUDED



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30640		500AM4-3	----	3/4"		

4" CROSSED PATTERN BRASS NOZZLE

• WASHER INCLUDED



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30638			----	3/4"		

ADJUSTABLE SPRAY

• WASHER INCLUDED



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30600			----	5-1/2"		

Zinc Alloy spray nozzle with insulated handle soft grip and front thread protector

LEAD FREE

• WASHER INCLUDED



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30620			----	4-1/4"		

Zinc Alloy spray nozzle

ADJUSTABLE SPRAY - LEAD FREE

• WASHER INCLUDED

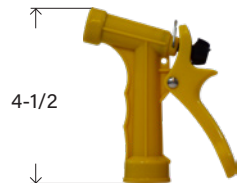


MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30609			----	5-1/4"		

Zinc Alloy spray nozzle with easily adjustable brass head and plastic grip

PLASTIC SPRAY NOZZLE

• WASHER INCLUDED



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
30630			----	4-1/2"		

Plastic spray nozzle

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



SAE 45° FLARE

BRASS FITTINGS

SAE 45° FLARE



Tube O.D.	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4
Thread Size-B	5/16-24	3/8-24	7/16-20	1/2-20	5/8-18	11/16-16	3/4-16	7/8-14	1-1/16-14

•Typical Application

LP and natural gas, flammable liquids, instrumentation, refrigeration, power steering, hydraulic and pneumatic systems.

•Working Pressure Ranges

Temperature and type of tubing used are important factors. However, the following table is a good guide for proper selection. Temperature 73°F with copper tubing:

PSI	Tube O.D. (in.)	Tube Wall (in.)
2800	1/8	.030
1900	3/16	.030
1400	1/4	.030
1200	5/16	.032
1000	3/8	.032
750	1/2	.032
650	5/8	.035
550	3/4	.035
450	7/8	.035

•Vibration

Good resistance - use long nut when greater vibration resistance is required.

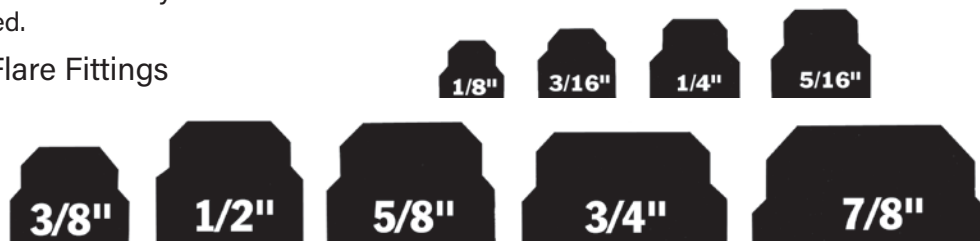
•Temperature Range

-65°F to +250°F (-53°C to +121°C) range at maximum operating pressures.

•Used With

Copper, brass, aluminum and steel hydraulic tubing that can be flared.

Actual O.D. of Flare Fittings



• Tolerance

+/- .03 on all dimensions. Dimension data can change without notice. Please call us when dimensions are critical.

•Conformance

Meets specifications and standards of ASA, ASME, SAE and MS (Military standards).

Assembly Instructions

- 1- Cut tubing to desired length. Make sure all burrs are removed and ends are cut square.
- 2- Slide nut on tube. Threaded end "A" of nut must face out.
- 3- Flare end of tube with a 45° flaring tool.
 - a- Measure flare diameter.
 - b- Examine flare for excessive thin out.
- 4- Lubricate threads and assemble to fitting body. Nut should be turned hand tight.
- 5- Tighten assembly with wrench until a solid feeling is encountered. From that point, apply a one-sixth turn.

Note: Do not over-torque as it may damage the fitting or split the tubing at the flare.

PRICING FILE AVAILABLE ONLINE

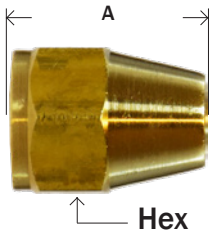
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BRASS

SAE 45° FLARE

BRASS FITTINGS

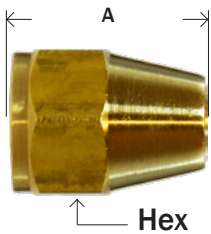
SAE# 010110

SHORT ROD NUT

41S
411S
04014

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
10013	04014-02	N1-2		1/8"	21110X2	...
				1/8"	41S-2	...
10014	04014-03	N1-3		3/16"	21110X3	...
				3/16"	41S-3	...
10015				1/4"	21110X4	...
10015L	04014-04	N1-4		1/4"	41S-4	...
				1/4"	21010X4	...
10016	04014-05	N1-5		5/16"	21110X5	...
				5/16"	41S-5	...
10017L	04014-06	N1-6		3/8"	41S-6	...
				3/8"	21010X6	...
10017		41AS-6		3/8"	21110X6	...
10018	04014-07	N1-7		7/16"	21110X7	...
				7/16"	41S-7	...
10019L	04014-08	N1-8		1/2"	41S-8	...
10019		41AS-8		1/2"	21110X8	...
10020L	04014-10	N1-10		5/8"	41S-10	...
10020		41AS-10		5/8"	21110X10	...
10021	04014-12	N1-12		3/4"	41S-12	...
				3/4"	21110X12	...
10022	04014-14	N1-14		7/8"	41S-14	...
				7/8"	21110X14	...
10026	04014-16	N1-16		1"	41S-16	...

20910 41FS 1110 N1 41FX 441S 'L'

REDUCING SHORT ROD NUT

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
10023		N1-64		3/8" x 1/4"	41SR-64	...
10024		N1-86		1/2" x 3/8"	41SR-86	...
10025		N1-108		5/8" x 1/2"	41SR-108	...

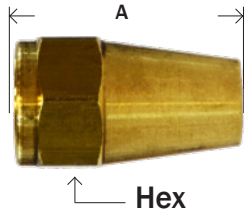
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SAE 45° FLARE

BRASS FITTINGS

LONG ROD NUT

SAE# 010111



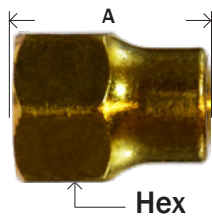
41L
04041

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
10001	04041-02	N2-2		1/8"	41L-2	...
10002	04041-03	N2-3		3/16"	41L-3	...
10003	04041-04	N2-4		1/4"	41L-4	...
10004	04041-05	N2-5		5/16"	41L-5	...
10005	04041-06	N2-6		3/8"	41L-6	...
10006	04041-08	N2-8		1/2"	41L-8	...
10007	04041-10	N2-10		5/8"	41L-10	...
10008	04041-12	N2-12		3/4"	41L-12	...

41FL N2 241 441 41

LONG FORGED NUT

SAE# 010167



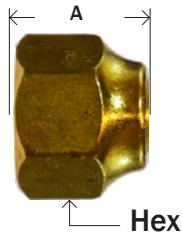
640L
641L
04016

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
10028	04016-04	N4-4		1/4"	641L-4	...
	04016-05	N4-5		5/16"	641L-5	...
10030	04016-06	N4-6		3/8"	641L-6	...
10031	04016-08	N4-8		1/2"	641L-8	...
10032	04016-10	N4-10		5/8"	641L-10	...
10033	04016-12	N4-12		3/4"	641L-12	...

41FF 39 N4 14FL 641

SHORT FORGED NUT

SAE# 010166



641S
6401S
04018

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
10038	04018-03	NS4-3		3/16"	641S-3	...
10039	04018-04	NS4-4		1/4"	641S-4	...
10040	04018-05	NS4-5		5/16"	641S-5	...
10041	04018-06	NS4-6		3/8"	641S-6	...
10042	04018-08	NS4-8		1/2"	641S-8	...
10043	04018-10	NS4-10		5/8"	641S-10	...
10044	04018-12	NS4-12		3/4"	641S-12	...
10045	04018-14	NS4-14		7/8"	641S-14	...

14FS 41FFS 40 641-S 1116 NS4

FROST PROOF

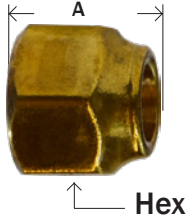
MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
				1/4"	641SFP-4	...
				3/8"	641SFP-6	...
				1/2"	641SFP-8	...
				5/8"	641SFP-10	...

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BRASS

SAE 45° FLARE

BRASS FITTINGS

EXTRA HEAVY SHORT FORGED NUT

641SH
6401SXH
04019

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
10046	04019-04			1/4"	641SH-4	...
				5/16"	641SH-5	...
10047	04019-06			3/8"	641SH-6	...
10048	04019-08			1/2"	641SH-8	...
10049	04019-10			5/8"	641SH-10	...
				3/4"	641SH-12	...
				7/8"	641SH-14	...

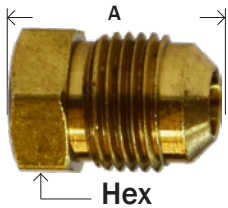
NSA

FORGED REDUCING NUT

660
662S
04020

MIDLAND	AMC	CHAMPION	LIST	FEMALE FLARE X OD	MAF #	MAF PRICE
10051	04020-0504	NSR4-54		5/16" x 1/4"	662S-54	...
10052	04020-0604	NSR4-64		3/8" x 1/4"	662S-64	...
10053	04020-0605	NSR4-65		3/8" x 5/16"	662S-65	...
10054	04020-0806	NSR4-86		1/2" x 3/8"	662S-86	...
10055	04020-1006	NSR4-106		5/8" x 3/8"	662S-106	...
10056	04020-1008	NSR4-108		5/8" x 1/2"	662S-108	...
	04020-1208	NSR4-128		3/4" x 1/2"	662S-128	...
10058	04020-1210	NSR4-1210		3/4" x 5/8"	662S-1210	...

NSR4 14FS 41FRS 40R 662-S

FLARED PLUG

39
439
04039

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
10062	04039-02			1/8"	39-2	...
10063	04039-03	P2-3		3/16"	39-3	...
10064	04039-04	P2-4		1/4"	39-4	...
10065	04039-05	P2-5		5/16"	39-5	...
10066	04039-06	P2-6		3/8"	39-6	...
10067	04039-08	P2-8		1/2"	39-8	...
10068	04039-10	P2-10		5/8"	39-10	...
10069	04039-12	P2-12		3/4"	39-12	...
				7/8"	39-14	...

58 639F PF 57 P2 2229 439

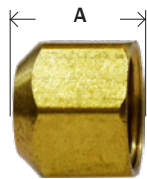
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SAE 45° FLARE

BRASS FITTINGS

FLARED CAP



Hex

40
440
04040

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
10073	04040-02			1/8"	40-2	...
10074	04040-03	N5-3		3/16"	40-3	...
10075 *	04040-04	N5-4		1/4"	40-4	...
10075EH				1/4"	2139X4	...
10076	04040-05	N5-5		5/16"	40-5	...
10077 *	04040-06	N5-6		3/8"	40-6	...
10078	04040-08	N5-8		1/2"	40-8	...
10079	04040-10	N5-10		5/8"	40-10	...
10080	04040-12	N5-12		3/4"	40-12	...
				7/8"	40-14	...

640F 41FC 56 N5 2129 54 440

FINGER TIGHTENING CAP



NFTS
FTC5
04099

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
10081	04099-04			1/4"	FTC5-4	...
10082	04099-06			3/8"	FTC5-6	...

• Neoprene | • O-Ring Included

NFT5

COPPER GASKET

SAE# 010113



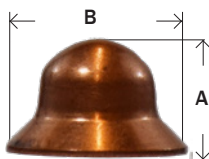
463
04063

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
10084	04063-03			3/16"	463-3	...
10085	04063-04	B2-4		1/4"	463-4	...
10086	04063-05	B2-5		5/16"	463-5	...
10087	04063-06	B2-6		3/8"	463-6	...
10088	04063-08	B2-8		1/2"	463-8	...
10089	04063-10	B2-10		5/8"	463-10	...
10090	04063-12	B2-12		3/4"	463-12	...

B2 2GF 6251 FG 157 59 46

COPPER BONNET

SAE# 010114



464
04064

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
10094	04064-03			3/16"	464-3	...
10095	04064-04	B1-4		1/4"	464-4	...
	04064-05			5/16"	464-5	...
10097	04064-06	B1-6		3/8"	464-6	...
10098	04064-08	B1-8		1/2"	464-8	...
10099	04064-10	B1-10		5/8"	464-10	...
10100	04064-12			3/4"	464-12	...

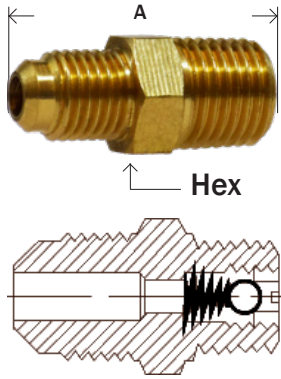
B1 3GF 64C 57 156 FB 695 464

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BRASS

SAE 45° FLARE

BRASS FITTINGS

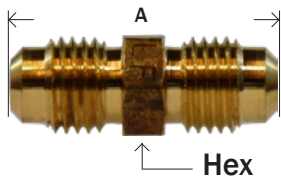
MALE BALL CHECK CONNECTOR

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X MALE NPTF	MAF #	LIST
10131*	04043-0402			1/4" x 1/8"	43-42	...
10256WC				1/4" x 1/4"	43-44	...
10132				5/16" x 1/8"	43-52	...
10133*	04043-0604			3/8" x 1/4"	43-64	...

43A

43
403
04043

* Note: Ball & Spring position may be reversed to change flow/check position. Min working pressure 3 PSI.

UNION**SAE# 010101**

42 - LIGHT
242 - SAE
04042

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
10104	04042-02	U2-2		1/8"	242X2	...
				1/8"	42-2	...
10105	04042-03	U2-3		3/16"	242X3	...
				3/16"	42-3	...
10106L	04042-04	U2-4		1/4"	42-4	...
10106				1/4"	242X4	...
10106EH				1/4"	R42XH-4	...
10107	04042-05	U2-5		5/16"	242X5	...
				5/16"	42-5	...
10108L	04042-06			3/8"	42-6	...
10108		U2-6		3/8"	242X6	...
				7/16"	242X7	...
10109L	04042-08	U2-8		1/2"	42-8	...
10109				1/2"	242X8	...
10110L	04042-10			5/8"	42-10	...
10110		U2-10		5/8"	242X10	...
				3/4"	42-12	...
10111	04042-12	U2-12		3/4"	242X12	...
10112	04042-14	U2-14		7/8"	42-14	...

42F U2

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SAE 45° FLARE

BRASS FITTINGS

REDUCING UNION



42R
506
04056

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
10115	04056-0402			1/4" x 1/8"	42R-42	...
10116	04056-0403			1/4" x 3/16"	42R-43	...
10117	04056-0504	UR2-54		5/16" x 1/4"	42R-54	...
10118	04056-0604	UR2-64		3/8" x 1/4"	42R-64	...
				3/8" x 1/4"	242RX6X4	...
10119	04056-0605	UR2-65		3/8" x 5/16"	42R-65	...
10120	04056-0804	UR2-84		1/2" x 1/4"	42R-84	...
				1/2" x 1/4"	242RX8X4	...
10121	04056-0806	UR2-86		1/2" x 3/8"	42R-86	...
				1/2" x 3/8"	242RX8X6	...
10122	04056-1006	UR2-106		5/8" x 3/8"	42R-106	...
				5/8" x 3/8"	242RX10X6	...
10123	04056-1008	UR2-108		5/8" x 1/2"	42R-108	...
				5/8" x 1/2"	242RX10X8	...
10126	04056-1208	UR2-128		3/4" x 1/2"	42R-128	...
10127	04056-1210	UR2-1210		3/4" x 5/8"	42R-1210	...

656F UR2 42-R

BULKHEAD UNION

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
				1/4"	42BH-4	...
				3/8"	42BH-6	...
				1/2"	42BH-8	...
				5/8"	42BH-10	...
				3/4"	42BH-12	...
				3/8" x 1/2"	42RBH-68	...
				1/2" x 3/8"	42RBH-86	...

LOCKNUT ONLY

				1/4"	41LN-4	...
				3/8"	41LN-6	...
				1/2"	41LN-8	...

244F T2 144F

UNION TEE



44F - FORGED
404
244 - BARSTOCK
04044

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
10157	04044-02	T2-2		1/8"	44F-2	...
10158	04044-03	T2-3		3/16"	44F-3	...
10159	04044-04	T2F-4		1/4"	44F-4	...
		T2-4		1/4"	244X4	...
10160	04044-05	T2-5		5/16"	44F-5	...
				5/16"	244X5	...
10161	04044-06	T2-6		3/8"	44F-6	...
				3/8"	244X6	...
10162	04044-08	T2-8		1/2"	44F-8	...
				1/2"	244X8	...
10163	04044-10	T2-10		5/8"	44F-10	...
				5/8"	244X10	...
10164	04044-12	T2-12		3/4"	44F-12	...
10165	04044-14			7/8"	44F-14	...

244F T2 144F

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SAE 45° FLARE

BRASS FITTINGS

REDUCING TEE 1 X 2 X 3

144F TR2 659F 684F 44R

44FR
509
04059

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF 1X2X3	MAF #	MAF PRICE
10170	04059-040406	TR2-446		1/4" x 1/4" x 3/8"	44FR-446	...
10171	04059-050504			5/16" x 5/16" x 1/4"	44FR-554	...
10172	04059-060404			3/8" x 1/4" x 1/4"	44FR-644	...
10173	04059-060406			3/8" x 1/4" x 3/8"	44FR-646	...
10174	04059-060604	TR2-664		3/8" x 3/8" x 1/4"	44FR-664	...
10175	04059-060608	TR2-668		3/8" x 3/8" x 1/2"	44FR-668	...
10176	04059-060610	TR2-6610		3/8" x 3/8" x 5/8"	44FR-6610	...
	04059-080408			1/2" x 1/4" x 1/2"	44FR-848	...
10178	04059-080606	TR2-686		1/2" x 3/8" x 3/8"	44FR-866	...
10179	04059-080608	TR2-868		1/2" x 3/8" x 1/2"	44FR-868	...
10180	04059-080804	TR2-884		1/2" x 1/2" x 1/4"	44FR-884	...
10181	04059-080806	TR2-886		1/2" x 1/2" x 3/8"	44FR-886	...
10182	04059-080810	TR2-8810		1/2" x 1/2" x 5/8"	44FR-8810	...
	04059-080812	TR2-8812		1/2" x 1/2" x 3/4"		
	04059-100608	TR2-1068		5/8" x 3/8" x 1/2"		
	04059-100610	TR2-10610		5/8" x 3/8" 5/8"		
	04059-100808	TR2-1088		5/8" x 1/2" x 1/2"		
	04059-100606			5/8" x 3/8" x 3/8"	44FR-1066	...
10187	04059-100810	TR2-10810		5/8" x 1/2" x 5/8"	44FR-10810	...
	04059-101006	TR2-10106		5/8" x 5/8" x 1/4"	44FR-10104	...
10188	04059-101008	TR2-10108		5/8" x 5/8" x 3/8"	44FR-10106	...
10189	04059-121210			5/8" x 5/8" x 1/2"	44FR-10108	...
				3/4" x 5/8" x 3/4"	44FR-121012	...
				3/4" x 3/4" x 5/8"	44FR-121210	...

**MALE BRANCH
TEE**

SAE# 010425

45R
245
405

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X MALE NPT (1&2)X3	MAF #	MAF PRICE
	04045-0202	T1-2A		1/8" x 1/8"		
10203	04045-0302	T1-3A		3/16" x 1/8"		
10204	04045-0402	T1F-4A		1/4" x 1/8"		
10205	04045-0404	T1-4B		1/4" x 1/4"		
10206	04045-0406			1/4" x 3/8"		
	04045-0408	T1-4D		1/4" x 1/2"		
10207	04045-0502	T1-5A		5/16" x 1/8"		
10208	04045-0504	T1-5B		5/16" x 1/4"		
10209	04045-0602	T1-6A		3/8" x 1/8"		
10210	04045-0604	T1-6B		3/8" x 1/4"		
10211	04045-0606	T1-6C		3/8" x 3/8"		
10212	04045-0608	T1-6D		3/8" x 1/2"		
10213	04045-0804	T1-8B		1/2" x 1/4"		
10214	04045-0806	T1-8C		1/2" x 3/8"		
10215	04045-0808	T1-8D		1/2" x 1/2"		
10216	04045-0812	T1-8E		1/2" x 3/4"		
10217	04045-1006	T1-10C		5/8" x 3/8"		
10218	04045-1008	T1-10D		5/8" x 1/2"		
10219	04045-1012	T1-10E		5/8" x 3/4"		
10220	04045-1208	T1-12D		3/4" x 1/2"		
	04045-1212	T1-12E		3/4" x 3/4"		

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

SAE 45° FLARE

BRASS FITTINGS

FEMALE ADAPTER

SAE# 010103



46 - LIGHT
246 - SAE
406
04046

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X FEMALE NPTF	MAF #	MAF PRICE
	04046-0202	u3-2a		1/8" x 1/8"	46-22	...
10227	04046-0302	U3-3A		3/16" x 1/8"	246X3	...
				3/16" x 1/8"	46-32	...
10228L	04046-0402	U3-4A		1/4" x 1/8"	46-42	...
10228		RU3-4A		1/4" x 1/8"	246X4	...
10229L	04046-0404	U3-4B		1/4" x 1/4"	46-44	...
10229				1/4" x 1/4"	246X4X4	...
10230	04046-0406	U3-4C		1/4" x 3/8"	46-46	...
				1/4" x 3/8"	246X4X6	...
10231	04046-0408	U3-4D		1/4" x 1/2"	46-48	...
10232	04046-0502	U3-5A		5/16" x 1/8"	246X5	...
				5/16" x 1/8"	46-52	...
				5/16" x 1/4"	246X5X4	...
10233	04046-0504	U3-5B		5/16" x 1/4"	46-54	...
	04046-0506	u3-5c		5/16" x 3/8"		
				3/8" x 1/8"	246X6X2	...
10234	04046-0602	U3-6A		3/8" x 1/8"	46-62	...
10235L	04046-0604	U3-6B		3/8" x 1/4"	46-64	...
10235		RU3-6B		3/8" x 1/4"	246X6	...
10236L	04046-0606			3/8" x 3/8"	46-66	...
10236		U3-6C		3/8" x 3/8"	246X6X6	...
10237L	04046-0608	U3-6D		3/8" x 1/2"	46-68	...
10237		RU3-6D		3/8" x 1/2"	246X6X8	...
10238	04046-0612	U3-6E		3/8" x 3/4"	46-612	...
10239	04046-0804	U3-8B		1/2" x 1/4"	46-84	...
10240L	04046-0806	U3-8C		1/2" x 3/8"	46-86	...
10240		RU3-8C		1/2" x 3/8"	246x8	...
10241L	04046-0808			1/2" x 1/2"	46-88	...
10241		RU3-8D		1/2" x 1/2"	246x8x8	...
10242L	04046-0812	U3-8E		1/2" x 3/4"	46-812	...
10242				1/2" x 3/4"	246X8X12	...
10243	04046-1006	U3-10C		5/8" x 3/8"	46-106	...
10244L	04046-1008	U3-10D		5/8" x 1/2"	46-108	...
10244				5/8" x 1/2"	246X10	...
10245	04046-1012	U3-10E		5/8" x 3/4"	46-1012	...
10246	04046-1208	U3-12D		3/4" x 1/2"	46-128	...
10247	04046-1212	U3-12E		3/4" x 3/4"	46-1212	...
				7/8" x 1/2"	46-148	...
10248	04046-1412	U3-14E		7/8" x 3/4"	46-1412	...

46 U3

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

SAE 45° FLARE

BRASS FITTINGS

MALE ADAPTER

SAE# 010102



48
248 - LIGHT
408 - SAE
04048

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X MALE NPTF	MAF #	MAF PRICE
10253	04048-0202	U1-2A		1/8" x 1/8"	248X2	...
				1/8" x 1/8"	48-22	...
10254	04048-0302	U1-3A		3/16" x 1/8"	248X3	...
				3/16" x 1/8"	48-32	...
	04048-0302	U1-3B		3/16" x 1/4"	48-34	...
10255L	04048-0402	U1-4A		1/4" x 1/8"	48-42	...
10255		RU1-4A		1/4" x 1/8"	248X4	...
10255EH				1/4" x 1/8"	R48XH-42	...
				1/4" x 1/4"	AV48-44	...
10256L	04048-0404	U1-4B		1/4" x 1/4"	48-44	...
10256	04448-0404	RU1-4B		1/4" x 1/4"	248X4X4	...
10257	04048-0406	U1-4C		1/4" x 3/8"	48-46	...
				1/4" x 3/8"	248X4X6	...
10258	04048-0408	U1-4D		1/4" x 1/2"	48-48	...
				1/4" x 1/2"	248X4X8	...
10259L	04048-0502	U1-5A		5/16" x 1/8"	48-52	...
10259				5/16" x 1/8"	248X5	...
10260L	04048-0504	U1-5B		5/16" x 1/4"	48-54	...
10260		RU1-5B		5/16" x 1/4"	248X5X4	...
10261	04048-0506	U1-5C		5/16" x 3/8"	48-56	...
				5/16" x 1/2"	48-58	...
10262	04048-0602	U1-6A		3/8" x 1/8"	248X6X2	...
				3/8" x 1/8"	48-62	...
10263L	04048-0604	U1-6B		3/8" x 1/4"	48-64	...
10263		RU1-6B		3/8" x 1/4"	248X6	...
10264L	04048-0606	U1-6C		3/8" x 3/8"	48-66	...
10264	04448-0606	RU1-6C		3/8" x 3/8"	248X6X6	...
10265L		U1-6D		3/8" x 1/2"	48-68	...
10265	04048-0608	RU1-6D		3/8" x 1/2"	248X6X8	...
10266	04448-0612	RU1-6E		3/8" x 3/4"	248X6X12	...
				7/16" x 1/4"	248X7	...
				1/2" x 1/8"	248X8X2	...
10267	04048-0804	U1-8B		1/2" x 1/4"	48-84	...
				1/2" x 1/4"	248X8X4	...
10268L	04048-0806	U1-8C		1/2" x 3/8"	48-86	...
10268	04448-0806	RU1-8C		1/2" x 3/8"	248X8	...
10269L		U1-8D		1/2" x 1/2"	48-88	...
10269	04048-0808	RU1-8D		1/2" x 1/2"	248X8X8	...
10270	04048-0812	U1-8E		1/2" x 3/4"	248X8X12	...
				1/2" x 3/4"	48-812	...
10271	04048-1004	U1-10B		5/8" x 1/4"	48-104	...
				5/8" x 1/4"	248X10X4	...

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U1 48

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



SAE 45° FLARE

BRASS FITTINGS

MALE ADAPTER - CONTINUED

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X MALE NPTF	MAF #	MAF PRICE
10272L	04048-1006	U1-10C		5/8" x 3/8"	48-106	...
10272		RU1-10C		5/8" x 3/8"	248X10X6	...
10273L		U1-10D		5/8" x 1/2"	48-108	...
10273	04048-1008	RU1-10D		5/8" x 1/2"	248X10	...
10274	04448-1012	RU1-10E		5/8" x 3/4"	248X10X12	...
				5/8" x 3/4"	48-1012	...
10275	04048-1208	U1-12D		3/4" x 1/2"	248X12	...
				3/4" x 1/2"	48-128	...
10276	04048-1212	U1-12E		3/4" x 3/4"	248X12X12	...
				3/4" x 3/4"	48-1212	...
10277	04048-1408	U1-14D		7/8" x 1/2"	48-148	...
10278	04048-1412	U1-14E		7/8" x 3/4"	48-1412	...
				1" x 1/2"	48-168	...
10279	04048-1612	U1-16E		1" x 3/4"	48-1612	...
10280	04048-1616	U1-16F		1" x 1"	48-1616	...

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BRASS

SAE 45° FLARE

BRASS FITTINGS

**90° MALE ELBOW
SAE# 010202**

Forged Elbow

249
E1

Barstock Elbow

*Barstock
**Available in
stainless steel add
SS to part #

Dimension data
can change without
notice. Please call
when dimensions
are critical.

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X MALE NPTF	MAF #	MAF PRICE
10283	04049-0202	E1-2A		1/8" x 1/8"	49F-22	...
10283B*				1/8" x 1/8"	249X2	...
10284	04049-0302	E1F-3A		3/16" x 1/8"	49F-32	...
10284B*		E1-3A		3/16" x 1/8"	249X3	...
10285	04049-0304	E1-3B		3/16" x 1/4"	49F-34	...
10286	04049-0402	E1F-4A		1/4" x 1/8"	49F-42	...
10286B*		E1-4A		1/4" x 1/8"	249X4	...
10287	04049-0404	E1F-4B		1/4" x 1/4"	49F-44	...
10287B*		E1-4B		1/4" x 1/4"	249X4X4	...
10288 **	04049-0406	E1-4C		1/4" x 3/8"	49F-46	...
				1/4" x 3/8"	249X4X6	...
10289	04049-0408	E1-4D		1/4" x 1/2"	49F-48	...
10290	04049-0502	E1F-5A		5/16" x 1/8"	49F-52	...
10290B*		E1-5A		5/16" x 1/8"	249X5	...
10291	04049-0504	E1-5B		5/16" x 1/4"	49F-54	...
10291B*				5/16" x 1/4"	249X5X4	...
10292	04049-0506	E1-5C		5/16" x 3/8"	49F-56	...
	04049-0508	E1-5D		5/16" x 1/2"		
10293	04049-0602	E1F-6A		3/8" x 1/8"	49F-62	...
10293B*		E1-6A		3/8" x 1/8"	249X6X2	...
10294	04049-0604	E1-6B		3/8" x 1/4"	49F-64	...
10294B*	04049-0604B	E1F-6B		3/8" x 1/4"	249X6	...
10295 **	04049-0606	E1F-6C		3/8" x 3/8"	49F-66	...
10295B*		E1-6C		3/8" x 3/8"	R49F-66	...
10295L				3/8" x 3/8"	249X6X6	...
10296 **	04049-0608	E1-6D		3/8" x 1/2"	249X6X8	...
				3/8" x 1/2"	49F-68	...
10297	04049-0612	E1-6E		3/8" x 3/4"	249X6X12	...
				3/8" x 3/4"	49F-612	...
				7/16" x 1/4"	249X7	...
	04049-0802	E1-8A		1/2" x 1/8"		
10298	04049-0804	E1F-8B		1/2" x 1/4"	49F-84	...
10298B*		E1-8B		1/2" x 1/4"	249X8X4	...
10299	04049-0806	E1F-8C		1/2" x 3/8"	49F-86	...
10299B*	04049-0806B	E1-8C		1/2" x 3/8"	249X8	...
10300	04049-0808	E1F-8D		1/2" x 1/2"	49F-88	...
10300B*	04049-0808B	E1-8D		1/2" x 1/2"	249X8X8	...
				1/2" x 1/2"	R49F-88	...
				1/2" x 1/2"	R49F-88L	...
10301	04049-0812	E1-8E		1/2" x 3/4"	49F-812	...
				1/2" x 3/4"	249X8X12	...
10311	04049-1004	E1-10B		5/8" x 1/4"	49F-104	...
10302	04049-1006	E1-10C		5/8" x 3/8"	49F-106	...
10302B*				5/8" x 3/8"	249X10X6	...
10303	04049-1008	E1-10D		5/8" x 1/2"	249X10	----

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249F 49 E1 149F

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

SAE 45° FLARE

BRASS FITTINGS

90° MALE ELBOW - CONTINUED



*1/8 TAP.
MIP Threads have
threaded sealant

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X MALE NPTF	MAF #	MAF PRICE
10303B*				5/8" x 1/2"	249X10	...
10304	04049-1012	E1-10E		5/8" x 3/4"	49F-1012	...
				5/8" x 3/4"	249X10X12	...
	04049-1206	E1-12C		3/4" x 3/8"	49F-126	...
10305	04049-1208	E1-12D		3/4" x 1/2"	49F-128	...
				3/4" x 1/2"	249X12	...
		CVSE1F-12D-1/8TAP*		3/4" x 1/2" x 1/8"		
10306	04049-1212	E1-12E		3/4" x 3/4"	49F-1212	...
10306B*				3/4" x 3/4"	249X12X12	...
	04049-1216	E1-12F		3/4" x 1		
10307	04049-1412	E1-14E		7/8" x 3/4"	49F-1412	...
10308	04049-1612	E1-16E		1" x 3/4"	49F-1612	...
10309	04049-1616			1" x 1"	49F-1616	...

90° FEMALE ELBOW

SAE# 010203



Forged Elbow

50F



Barstock Elbow

50F
250
500
04050

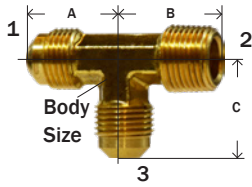
* Barstock

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X FEMALE NPTF	MAF #	MAF PRICE
10312	04050-0302	E3-3A		3/16" x 1/8"	50F-32	...
10313	04050-0402	E3-4A		1/4" x 1/8"	50F-42	...
10313B*				1/4" x 1/8"	250X4	...
10314	04050-0404	E3-4B		1/4" x 1/4"	50F-44	...
10314B*				1/4" x 1/4"	250X4X4	...
10315	04050-0406	E3-4C		1/4" x 3/8"	50F-46	...
10333	04050-0408			1/4" x 1/2"	50F-48	...
10316	04050-0502	E3-5A		5/16" x 1/8"	50F-52	...
10316B*				5/16" x 1/8"	250X5	...
10317	04050-0504	E3-5B		5/16" x 1/4"	50F-54	...
10318	04050-0602	E3-6A		3/8" x 1/8"	50F-62	...
10319	04050-0604	E3-6B		3/8" x 1/4"	50F-64	...
10319B*				3/8" x 1/4"	250X6	...
10320	04050-0606	E3F-6C		3/8" x 3/8"	50F-66	...
10320B*		E3-6C		3/8" x 3/8"	250X6X6	...
10321		E3-6D		3/8" x 1/2"	50F-68	...
				3/8" x 1/2"	250X6X8	...
10321L	04050-0608			3/8" x 1/2"		...
10322	04050-0612	E3-6E		3/8" x 3/4"	50F-612	...
10323	04050-0804	E3-8B		1/2" x 1/4"	50F-84	...
10324	04050-0806	E3-8C		1/2" x 3/8"	50F-86	...
10324B*				1/2" x 3/8"	250X8	...
10325		E3-8D		1/2" x 1/2"	50F-88	...
10325L	04050-0808			1/2" x 1/2"		...
10326	04050-0812	E3-8E		1/2" x 3/4"	50F-812	...
10327	04050-1006	E3-10C		1/2" x 3/4"	50F-106	...
10328	04050-1008	E3-10D		5/8" x 3/8"	50F-108	...
				5/8" x 1/2"	250X10	...
10329	04050-1012	E3-10E		5/8" x 3/4"	50F-1012	...
10-330	04050-1208	E3-12D		3/4" x 1/2"	50F-128	...
10-331	04050-1212	E3-12E		3/4" x 3/4"	50F-1212	...
	04050-1412	E3-14E		7/8" x 3/4"	50F-1412	...

E3 50 150F

SAE 45° FLARE

BRASS FITTINGS

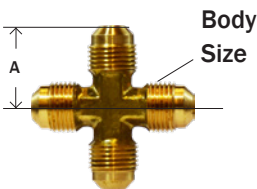
FORGED MALE RUN TEE

51F
501
04051

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X MALE NPTF (1&3) X 2	MAF #	MAF PRICE
10343	04051-0302	T3-3A		3/16" x 1/8"	51F-32	...
10344	04051-0402	T3-4A		1/4" x 1/8"	51F-42	...
10344B				1/4" x 1/8"	251X4	...
10345	04051-0404	T3-4B		1/4" x 1/4"	51F-44	...
	04051-0406	T3-4C		1/4" x 3/8"	51F-46	...
10347	04051-0502	T3-5A		5/16" x 1/8"	51F-52	...
10348	04051-0504	T3-5B		5/16" x 1/4"	51F-54	...
	04051-0602	T3-6A		3/8" x 1/8"	51F-62	...
10350	04051-0604	T3-6B		3/8" x 1/4"	51F-64	...
10351	04051-0606	T3-6C		3/8" x 3/8"	51F-66	...
10340				3/8" x 1/2" x 3/8"	51F-668	...
10352	04051-0608	T3-6D		3/8" x 1/2"	51F-68	...
10353				1/2" x 3/8" x 1/2"	51F-886	...
	04051-0804			1/2" x 1/4"	51F-84	...
10354	04051-0806	T3-8C		1/2" x 3/8"	51F-86	...
10355	04051-0808	T3-8D		1/2" x 1/2"	51F-88	...
	04051-0806	T3-10C		5/8" x 3/8"	51F-106	...
10357	04051-1008	T3-10D		5/8" x 1/2"	51F-108	...
10359	04051-1208	T3-12D		3/4" x 1/2"	51F-128	...
10360	04051-1212	T3-12E		3/4" x 3/4"	51F-1212	...

FORGED FLARE CROSS

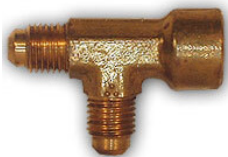
SAE# 010501



52
502
04052

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
10373	04052-04	C1-4444		1/4"	52F-4	...
10374	04052-05	C1-5555		5/16"	52F-5	...
10375	04052-06	C1-6666		3/8"	52F-6	...
10376	04052-08	C1-8888		1/2"	52F-8	...
	04052-10	C1-101010		5/8"	52F-10	...

455 C1 147F 52

FEMALE RUN TEE

04091

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
	04091-040404			1/4" x 1/4"	51FP-44	...
	04091-060606			3/8" x 3/8"	51FP-66	...
	04091-060608			3/8" x 1/2"	51FP-68	...
	04091-060808					
	04091-080806					

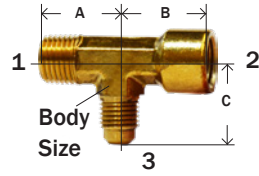
Dimension data can change without notice. Please call when dimensions are critical.

T3 151F 51

SAE 45° FLARE

BRASS FITTINGS

FORGED ADAPTER TEE / SERVICE TEE

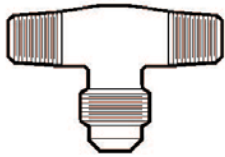


04053
53
503

MIDLAND	AMC	CHAMPION	LIST	SIZE 1 X 2 X 3	MAF #	MAF PRICE
				1/8"x1/8"x3/16"	253X3	...
10382	04053-020204	T4-4A		1/8"x1/8"x1/4"	53F-42	...
	04053-040404	T4-4B		1/4"x1/4"x1/4"	53F-44	...
				3/8"x3/8"x1/4"	53F-64	...
	04053-040406	T4-6B				

T17 53

MIP X MIP X FL



MIDLAND	AMC	CHAMPION	LIST	MIP X MIP ON RUN X MALE FLARE	MAF #	MAF PRICE
		T13-4A		1/8" x 1/4"	53FM-224	...
		T13-4B		1/4" x 1/4"	53FM-444	...
				3/8" x 3/8"	53FM-666	...

FL X FL X FIP FEMALE TEE

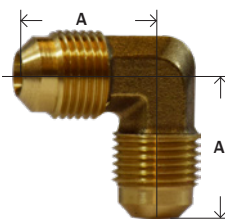


040

MIDLAND	AMC	CHAMPION	LIST	FLARE X FLARE X FIP	MAF #	MAF PRICE
	04058-040402			1/4" x 1/8"	58FP-42	...
	04058-040404			1/4" x 1/4"	58FP-44	...
	04058-060604			3/8" x 1/4"	58FP-64	...
	04058-060606			3/8" x 3/8"	58FP-66	...
	04058-080806			1/2" x 3/8"	58FP-86	...
	04058-080808			1/2" x 1/2"	58FP-88	...
	04093-06060608			3/8" x 1/2"	53FP-6668*	...
	04096-040404			1/4"x 1/4"	T6-444**	...

* Flare x flare x flare x FIP cross ** fe. flare on branch

UNION ELBOW



55F Forged
505
255 Barstock

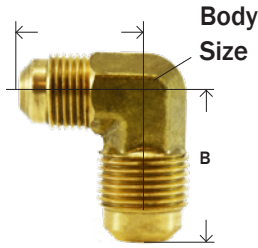
* Barstock

MIDLAND	AMC	CHAMPION	LIST	THREAD SIZE UNF	MAF #	MAF PRICE
10404	04055-02	E2-2		1/8"	55F-2	...
10405	04055-03	E2-3		3/16"	55F-3	...
10406	04055-04	E2-4		1/4"	55F-4	...
10406B*				1/4"	255X4*	...
10407	04055-05	E2-5		5/16"	55F-5	...
				5/16"	255X5*	...
10408	04055-06	E2F-6		3/8"	55F-6	...
				3/8"	255X6*	...
10409	04055-08	E2-8		1/2"	55F-8	...
10409B*				1/2"	255X8*	...
10410	04055-10	E2-10		5/8"	55F-10	...
				5/8"	255X10*	...
10411	04055-12	E2-12		3/4"	55F-12	...
10412	04055-14	E2-14		7/8"	55F-14	...

E2 155F

SAE 45° FLARE

BRASS FITTINGS

FORGED REDUCING ELBOW

55R
507
04057

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X MALE FLARE	MAF #	MAF PRICE
10416	04057-0604	ER2-64		3/8" x 1/4"	55FR-64	...
	04057-0804	ER2-84		1/2" x 1/4"	55FR-84	...
10419	04057-0806	ER2-86		1/2" x 3/8"	55FR-86	...
	04057-1006	ER2-106		5/8" x 3/8"	55FR-106	...
10421	04057-1008	ER2-108		5/8" x 1/2"	55FR-108	...
	04057-1208			3/4" x 1/2"	55FR-128	...
	04057-1210	ER2-1210		3/4" x 5/8"	55FR-1210	...

ER2 657F 55R

45° ELBOW

SAE# 010302



10151
254

54
4945
40945
04095

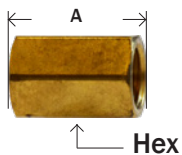
MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X MALE NPTF	MAF #	MAF PRICE
	04095-0302	E1-4S-3A		3/16" x 1/8"	4945F-32	...
10448	04095-0402			1/4" x 1/8"	4945F-42	...
10448B*		E1-45-4A		1/4" x 1/8"	254X4*	...
10449	04095-0404	E1-45-4B		1/4" x 1/4"	4945F-44	...
				1/4" x 1/4"	254X4X4	...
10450	04095-0502	E1-45-5A		5/16" x 1/8"	4945F-52	...
				5/16" x 1/8"	254X5*	...
10451	04095-0504	E1-45-5B		5/16" x 1/4"	4945F-54	...
10452	04095-0604	E1F-45-6B		3/8" x 1/4"	4945F-64	...
10452B*		E1-45-6B		3/8" x 1/4"	254X6*	...
10453	04095-0606	E1-45-6C		3/8" x 3/8"	4945F-66	...
				3/8" x 3/8"	254X6X6*	...
10454	04095-0608	E1-45-6D		3/8" x 1/2"	4945F-68	...
				1/2" x 1/4"	4945F-84	...
10455	04095-0806	E1-45-8C		1/2" x 3/8"	4945F-86	...
10455B*				1/2" x 3/8"	254X8*	...
10456	04095-0808	E1-45-8D		1/2" x 1/2"	4945F-88	...
				1/2" x 1/2"	254X8X8*	...
10460	04095-1006	E1-45-10C		5/8" x 3/8"	4945F-106	...
				5/8" x 3/8"	254X10X6*	...
10457	04095-1008	E1-45-10D		5/8" x 1/2"	4945F-108	...
				5/8" x 1/2"	254X10*	...
10458	04095-1208	E1-45-12D		3/4" x 1/2"	4945F-128	...

* Barstock

E145 54 159F 654F 59FF 254 47 4945

FEMALE 45° FLARE FITTINGS**UNION**

SAE# 010107



600
600F
04060

MIDLAND	AMC	CHAMPION	LIST	FEMALE FLARE X FEMALE FLARE	MAF #	MAF PRICE
10135	04060-04	U4-4		1/4"	600F-4	...
10136	04060-06	U4-6		3/8"	600F-6	...
10137	04060-08	U4-8		1/2"	600F-8	...
10138	04060-10			5/8"	600F-10	...
10139	04060-12			3/4"	600F-12	...

• Use with Copper Gasket

2310 U4 660HD 32

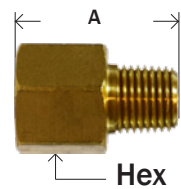
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

SAE 45° FLARE

BRASS FITTINGS

FEMALE FLARE X MALE PIPE

SAE# 010106



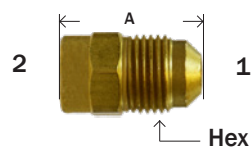
664
04066

* Swivel

MIDLAND	AMC	CHAMPION	LIST	FEMALE FLARE X MALE NPTF	MAF #	MAF PRICE
10440	04066-0402	U5-4A		1/4" x 1/8"	664-42	...
10441	04066-0404	U5-4B		1/4" x 1/4"	664-44	...
10442	04066-0604	U5-6B		3/8" x 1/4"	664-64	...
				3/8" x 1/4"	664S-64*	...
10438				3/8" x 1/2"	664-68	...
10443	04066-0806	U5-8C		1/2" x 3/8"	664-86	...
10444	04066-0808	U5-8D		1/2" x 1/2"	664-88	...

U5 664FHD 33 48-FF

FEMALE FLARE X MALE FLARE



601
04061

WG=WITH GASKET

MIDLAND	AMC	CHAMPION	LIST	FEMALE FLARE X MALE FLARE	MAF #	MAF PRICE
				3/16" x 1/4"	601-34	...
	04061-0403			1/4" x 3/16"	601-43	...
				1/4" x 5/16"	601-45	...
	04061-0406			1/4" x 3/8"	601WG-46	...
10463	04061-0406	UR3-46		1/4" x 3/8"	601-46	...
	04061-0408			1/4" x 1/2"	601-48	...
				1/4" x 3/4"	601-412	...
				5/16" x 1/4"	601WG-54	...
				5/16" x 1/4"	601-54	...
				5/16" x 3/8"	601-56	...
10462	04061-0604	UR3-64		3/8" x 1/4"	601-64	...
				3/8" x 1/4"	601WG-64	...
10467	04061-0608	UR3-68		3/8" x 1/2"	601-68	...
				3/8" x 1/2"	601WG-68	...
	04061-0610	UR3-610		3/8" x 5/8"	601-610	...
				3/8" x 3/4"	601-612	...
10461	04061-0804	UR3-84		1/2" x 1/4"	601-84	...
10464	04061-0806	UR3-86		1/2" x 3/8"	601-86	...
				1/2" x 3/8"	601WG-86	...
				1/2" x 5/8"	601WG-810	...
10469	04061-0810	UR3-810		1/2" x 5/8"	601-810	...
				1/2" x 3/4"	601-812	...
				5/8" x 1/4"	601-104	...
10473	04061-1006	UR3-106		5/8" x 3/8"	601-106	...
				5/8" x 1/2"	601WG-108	...
10468	04061-1008	UR3-108		5/8" x 1/2"	601-108	...
				5/8" x 3/4"	601-1012	...
				5/8" x 3/4"	601WG-1012	...
				5/8" x 15/16"	601RG-1015	...
				3/4" x 3/8"	601-126	...
10471	04061-1012	UR3-1012		3/4" x 1/2"	601-128	...
10470	04061-1210	UR3-1210		3/4" x 5/8"	601-1210	...

UR3 661FHD 227 46-FF

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BRASS

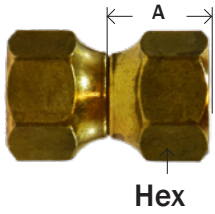
SAE 45° FLARE

BRASS FITTINGS

BRASS FLARE SWIVEL FITTINGS

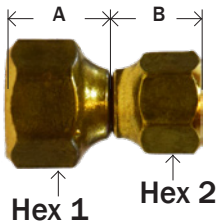
FORGED SWIVEL

SAE# 010108

700
04070

MIDLAND	AMC	CHAMPION	LIST	FEMALE FLARE UNF	MAF #	MAF PRICE
10481	04070-04	US4-4		1/4"	700-4	...
10482	04070-05	US4-5		5/16"	700-5	...
10483		US4-6		3/8"	700-6	...
10483L	04070-06			3/8"	700SH-6	...
10484		US4-8		1/2"	700-8	...
10484L	04070-08			1/2"	700SH-8	...
10485	04070-10	US4-10		5/8"	700-10	...
				5/8"	700SH-10	...
10486	04070-12	US4-12		3/4"	700-12	...

1350 US4 14FSV 34

REDUCING SWIVELS700R
04075

MIDLAND	AMC	CHAMPION	LIST	FEMALE FLARE UNF	MAF #	MAF PRICE
10487	04075-0604	US4-64		3/8" x 1/4"	700R-64	...
10488	04075-0806	US4-86		1/2" x 3/8"	700R-86	...
10489	04075-1008	US4-108		5/8" x 1/2"	700R-108	...

FORGED SWIVEL ELBOWS701
04071

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X FEMALE FLARE	MAF #	MAF PRICE
10493	04071-0404	ES4-44		1/4"	ES4-44	...
10494	04071-0606	ES4-66		3/8"	ES4-66	...
				3/8" x 1/2"	ES4-68	...
10495	04071-0808	ES4-88		1/2"	ES4-88	...
10496	04071-1010	ES4-1010		5/8"	ES4-1010	...
10497	04071-1212	ES4-1212		3/4"	ES4-1212	...

ES4

DRUM ADAPTERS

SAE# 010165

K1
04030

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X FIP	MAF #	MAF PRICE
50011	04030-0804	K1-8		1/4" x 1/2"	K1-48	...
50001	04030-1204			1/4" x 3/4"	K1-412	...
	04030-1206			3/8" x 3/4"	K1-612	...
	04030-1208			1/2" x 3/4"	K1-812	...
GASKET						
	04032-08			1/2"	KG-8	...
	04032-12			3/4"	KG-12	...

• Straight Thread

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



45° FLARE

BRASS FITTINGS

FLARE SWEAT FITTINGS-SOLDER CONNECTORS



04082

MIDLAND	AMC	CHAMPION	LIST	FLARE X SWEAT	MAF #	MAF PRICE
10600	04082-0404	US3-44		1/4" x 1/4"	48S-44	...
10602	04082-0406	US3-46		1/4" x 3/8"	48S-46	...
10620				3/8" x 1/4"	48S-64	...
10612	04082-0606	US3-66		3/8" x 3/8"	48S-66	...
10613	04082-0608			3/8" x 1/2"	48S-68	...
10621	04082-0808			1/2" x 1/2"	48S-88	...
10611				1/2" x 5/8"	48S-810	...
10614	04082-1010	US3-1010		5/8" x 5/8"	48S-1010	...
10622				5/8" x 7/8"	48S-1014	...
10615	04082-1212	US3-1212		3/4" x 3/4"	48S-1212	...
10616				3/4" x 7/8"	48S-1214	...
10617				7/8" x 7/8"	48S-1414	...
10618				1" x 1-1/8"	48S-1618	...
10619				1-1/8" x 1-1/8"	48S-1818	...

FL X SWT ELBOW



04089

MIDLAND	AMC	CHAMPION	LIST	FLARE X SOLDER OD FEMALE FLARE UNF	MAF #	MAF PRICE
				1/4" x 1/4"	49S-44	...
				3/8" x 3/8"	49S-66	...
				1/2" x 1/2"	49S-88	...

SPACE HEATER FITTINGS

9/16-24 FINE THREAD FLARE NUT/CAP



#M-82SH
04800
04840
41FT
800

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
14001	04800-06			3/8	41FT-6	...
				3/8 CAP	40FT-6	...

FEMALE ADAPTER



#M-80SH
04806
46FT
805

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
14018	04806-0606			3/8 x 3/8	46FT-66	...
14025	04806-0608			3/8 x 1/2	46FT-68	...
	04806-0612			3/8 x 3/4	46FT-612	...

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

SPACE HEATER/ GAS RANGE FITTINGS**BRASS FITTINGS****SPACE HEATER UNION/TEE**

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
14011	04802-06			3/8	42FT-6	...
	04844-06			3/8 TEE	44FT-6	...

04802

SPACE HEATER MALE ADAPTER/ ELBOWS

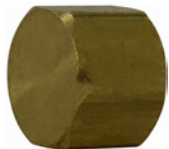
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
14016	04808-0606			3/8 x 3/8	48FT-66	...
14017	04808-0608			3/8 x 1/2	48FT-68	...
	04809-0608			3/8 x 1/2 *	49FT-68	...
	04850-0608			3/8 x 1/2**	50FT-68	...

#M-83SH

*MALE ELBOW || ** FEMALE ELBOW

BRASS GAS RANGE FITTINGS**BRASS MALE ADAPTERS - 15/16-16 FLARE THREAD**45RG
408RC
04748

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X MALE NPTF	MAF #	MAF PRICE
35130				3/8" x 3/8"(1/8 TAP)	48WT-662	...
35133				3/8" x 3/8"(1/4 TAP)	48WT-664	...
35131				3/8" x 1/2"(3/8 TAP)	48WT-66-820	...
35132	04088-080806			1/2" x 1/2" (3/8" FIP TAP)	48WT-686	...
35134	04748-1508			15/16" x 1/2"	48WT-886	...
35135		U1GA- 10DE		15/16" x 1/2" (3/8" FIP TAP)	48RGT-158	...
	04748-151208			15/16" x 3/4" (1/2" FIP TAP)	48RGT-1512	...

CAP & NUT

04741

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
35186				15/16"	40RG-15	...
	04741-15			15/16-16"*	41SRG	...

*NUT

BRASS FEMALE ADAPTERS

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
35136	04746-1508			15/16" x 1/2"	46RG-158	...
35142	04746-1512			15/16" x 3/4"	46RG-1512	...

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



POL FITTINGS

BRASS FITTINGS

TEE CONNECTION



2000
05200

MIDLAND	AMC	CHAMPION	LIST	PIPE SIZE	MAF #	MAF PRICE
34001	05200	POL-T1		1/4" Inverted flare x 1/4" MPT	2000	...
				2000 + 200IAB	2001	...

41-1-390-0014 2000

TAILPIECE WITH FLATS



2001A
05220

1/4 NPT

MIDLAND	AMC	CHAMPION	LIST	PIPE SIZE	MAF #	MAF PRICE
34011	05220	POL-LTP		2.34 w/ wrench Flats	2001A	...
34012		POL-LTPH		2.13 w/ Hex	2001AHN	...

1001AUL 21605 M-2001-A 2002A 2001AHN

STANDARD NUT



2001B
05221

MIDLAND	AMC	CHAMPION	LIST	PIPE SIZE	MAF #	MAF PRICE
34016	05221	POL-N		.880-14 LH	2001B	...
				Large hex	2001BLH	...

7/8" Hex

2001B

TAILPIECE & NUT ASSEMBLY



MANIFOLD
BLOCK TEE
ASSEMBLY

2002AB
05225

MIDLAND	AMC	CHAMPION	LIST	PIPE SIZE	MAF #	MAF PRICE
34022	05225	POL-NLTP		1/4	2001AB	...
					2001AHB	...
					200IS	...

2002AB

POL CAP



2004
05204

MIDLAND	AMC	CHAMPION	LIST	PIPE SIZE	MAF #	MAF PRICE
34031	05204	POL-N5		.880-14LH	2004	...

ME1699 POL2004 1004A M-2004

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

POL FITTINGS

BRASS FITTINGS

POL PLUG WITH CHAIN

2014
2014

MIDLAND	AMC	CHAMPION	LIST	DESCRIPTION	MAF #	MAF PRICE
34141				POL PLUG WITH CHAIN	2014	...

ME1691-1

SINGLE PIECE POL ADAPTER

2008
05208

MIDLAND	AMC	CHAMPION	LIST	DESCRIPTION	MAF #	MAF PRICE
34130	05208			MALE POL X 1/4 FPT	2008	...
34131				MALE POL X 1/2 FPT	2009	

ME351 ME357

ADAPTERS

35792
35810
05205

MIDLAND	AMC	CHAMPION	LIST	PIPE SIZE	MAF #	MAF PRICE
34041	05205	POL-U2-6		3/8 Flare x .880-14LH	2005	...
34046	05206	POL-U2-8		1/2 Flare x .880-14LH	2006	...
34051	05207	POL-U2-10		5/8 Flare x .880-14LH	2007	...

ME3510 2906E 2007

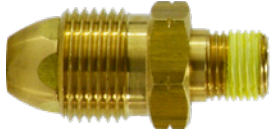
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



POL FITTINGS

BRASS FITTINGS

TAILPIECE ASSEMBLY W/HEX HEAD NUT & STEM



PART #	LENGTH	
34080	1/4 NPT X POL 2 LONG HARD NOSE 2 OAL	----
34082	MALE POL X 3/8 NPT	----

2906D ME352



PART #	LENGTH	
34088	MPOL HARD NOSE 9/16- 18 FE LH THREAD	----

ME1650



PART #	LENGTH	
34084	MPOL X 1/4 HOSE BARB 7/8 HEX	----

ME5930 970JR

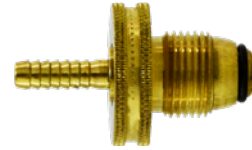
SOFT NOSE TAILPIECE ASSEMBLY



PART #	LENGTH	
34060	1/4 NPT X POL 2.1 LONG #60 ORIFICE	----
34061	1/4 MPT X POL SOFT NOSE 2-1/2	----
34062	1/4 NPT POL SOFT NOSE #60 ORIFICE 2.3 LONG	----
34063	POL X 9/16-18 LH TAIL- PIECE SOFT NOSE	----
34064	1/4 NPT X POL SOFT NOSE 2 3/8 LONG	----

ME1638 2003-T-GH-60 2002 2018-L 2003-T 970S

HAND WHEEL POL ADAPTERS



PART #	LENGTH	
34065	MPOL SOFT NOSE X 1/4 HOSE BARB BR.WHEEL	----

ME1656AR



PART #	LENGTH	
34072	1/4 MPT POL SOFT NOSE W/PLASTIC WHEEL	----

ME1654



PART #	LENGTH	
34073	1/4 MPT POL SOFT NOSE WITH BRASS WHEEL	----

ME1654AR



PART #	LENGTH	
34074	MPOL SOFT NOSE X 1/4 HB W/PLASTIC WHEEL	----

ME1656

VISIT MIDLANDINDUSTRIES.COM/LPGAS TO SEE OUR COMPLETE OFFERING OF LP GAS PRODUCTS

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BRASS

POL FITTINGS

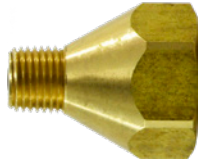
BRASS FITTINGS

PROPANE MOTOR FUEL FILL ADAPTER

- Allows a standard POL fitting to be adapted to fill an engine fuel tank.

PART #	LENGTH	
34079	FE POL X 1 3/4 ACME FUEL FILL ADPT	----

ME458 2017

FEMALE POL X MIP ADAPTER

PART #	LENGTH	
34111	1/4 MPT X FE POL ADAPTER	----
34112	3/8 MPT X FE POL ADAPTER	----
34113	1/2 MPT X FE POL ADAPTER	----
34114	3/4 MPT X FE POL ADAPTER	----

2011-B ME285 2011-D 2011-E

FEMALE FPT X FEMALE POL ADAPTER

PART #	LENGTH	
34120	1/4 FPT X FE POL	----
34121	3/8 FPT X FE POL	----
34122	1/2 FPT X FE POL	----
34123	3/4 FPT X FE POL	----

2016-B ME302 2016-D ME304

POL O-RING ONLY

PART #	LENGTH	
34143	POL O-RING ONLY	----

C5-OR-POL 568-110-01

POL PLASTIC DUST PLUG

PART #	LENGTH	
34160	POL PLASTIC DUST PLUG	----

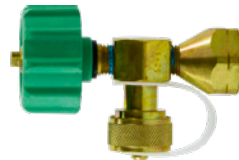
ME970P

APPLIANCE TEE

- Tap & Add

PART #	LENGTH	
34170	M.POLXF.POL W/1-20M CYL AND 1/4 INV FLAR	----

2090



- With QCC1 connection

PART #	LENGTH	
34174	QCC1 X F. POL W/1-20 MALE CYLINDER THD	----

2013

DUAL APPLIANCE TEE

PART #	LENGTH	
34176	M.POL X (2) OF 1-20 MALE CYLINDER THREAD	----

2099

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JIC 37° FLARE STRAIGHTS

BRASS FITTINGS

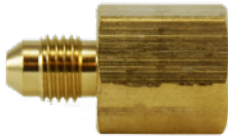
STRAIGHT TUBE UNION



PART #	TUBE OD	TUBE THREAD	L	HEX	WORKING PRESSURE	
28966	1/4	7/16-20	1.35	0.49	3250 psi	----
28969	3/8	9/16-18	1.41	0.63	3250 psi	----
28970	1/2	3/4-16	1.62	0.81	3250 psi	----
28971	3/4	1-1/16-12	2.14	1.13	3250 psi	----
28972	1"	1-5/16-12	2.25	1.38	2600 psi	----

SBC 132403 HTXB

FEMALE STRAIGHT ADAPTER



PART #	TUBE OD	PIPE	TUBE THREAD	L	HEX	WORKING PRESSURE	
28957	1/4	1/8-27	7/16-20	1.19	0.56	3250 psi	----
28958	1/4	1/4-18	7/16-20	1.40	0.75	3250 psi	----
28959	3/8	1/4-18	9/16-18	1.40	0.75	3250 psi	----
28960	3/8	3/8-18	9/16-18	1.40	0.88	3250 psi	----
28961	1/2	3/8-18	3/4-16	1.56	0.88	3250 psi	----
28962	1/2	1/2-14	3/4-16	1.79	1.13	3250 psi	----
28963	5/8	1/2-14	7/8-14	1.87	1.13	3250 psi	----
28964	3/4	3/4-1/4	1-1/16-12	2.06	1.38	2600 psi	----

STRAIGHT



PART #	TUBE OD	A NPTF	TUBE THREAD	L	HEX	WORKING PRESSURE	
28701	1/4	1/8-27	7/16-20	1.22	0.45	3250 psi	----
28702	1/4	1/4-18	7/16-20	1.37	0.56	3250 psi	----
28703	1/4	3/8-18	7/16-20	1.42	0.75	3250 psi	----
28704	5/16	1/8-27	1/2-20	1.41	0.56	3250 psi	----
28705	5/16	1/4-18	1/2-20	1.42	0.56	3250 psi	----
28706	3/8	1/8-27	9/16-18	1.24	0.63	3250 psi	----
28707	3/8	1/4-18	9/16-18	1.43	0.63	3250 psi	----
28708	3/8	3/8-18	9/16-18	1.38	0.75	3250 psi	----
28709	3/8	1/2-14	9/16-18	1.69	0.88	3250 psi	----
28710	1/2	1/4-18	3/4-16	1.53	0.81	3250 psi	----
28711	1/2	3/8-18	3/4-16	1.53	0.81	3250 psi	----
28712	1/2	1/2-14	3/4-16	1.79	0.88	3250 psi	----
28713	1/2	3/4-14	3/4-16	1.85	1.13	2600 psi	----
28714	5/8	3/8	7/8-14	1.84	0.94	3250 psi	----
28715	5/8	1/2-14	7/8-14	1.89	0.94	3250 psi	----
28716	5/8	3/4-14	7/8-14	1.95	1.13	2600 psi	----
28748	3/4	1/2-14	1 1/16-12	2.06	1.13	2925 psi	----
28717	3/4	3/4-14	1 1/16-12	2.06	1.13	2600 psi	----
28749	3/4	1-11 1/2	1 1/16-12	2.25	1.38	1950 psi	----
28719	1	3/4-14	1 5/16-12	2.06	1.13	2275 psi	----
28718	1	1-11 1/2	1 5/16-12	2.3	1.38	1950 psi	----

B2404 SB FTXB

STRAIGHT SWIVEL ADAPTER

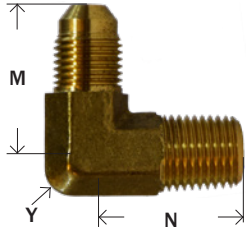


PART #	TUBE OD	A NPTF	TUBE THREAD	L	HEX	WORKING PRESSURE	
28752	1/4	1/4-18	7/16-20	1.389	.563	3250 psi	----
28753	3/8	1/4-18	9/16-18	1.6	.563	3250 psi	----
28754	3/8	3/8-18	9/16-18	1.574	.690	2925 psi	----
28756	1/2	1/2-14	3/4-16	1.706	.875	2600 psi	----

B6505 SJS

JIC 37° SHAPES

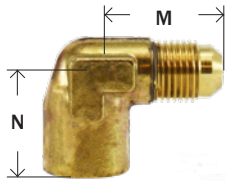
BRASS FITTINGS

90° FORGED ELBOW

• Swivel available

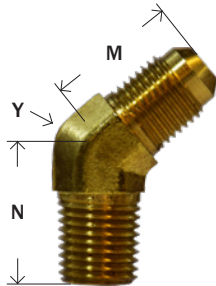
PART #	TUBE OD	TUBE THREAD	A NPTF	M	N	Y	WORKING PRESSURE	
28760F	1/4	7/16-20	1/8-27	0.89	0.78	0.5	2160 psi	----
28762F	1/4	7/16-20	1/4-18	1.05	1.03	0.53	1846 psi	----
28766F	5/16	1/2-20	1/4-18	1.10	1.10	0.55	3905 psi	----
28768F	3/8	9/16-18	1/8-27	1.06	1.00	0.56	3128 psi	----
28770F	3/8	9/16-18	1/4-18	1.06	1.09	0.54	1564 psi	----
28772F	3/8	9/16-18	3/8-18	1.15	1.22	0.74	1464 psi	----
28773F	3/8	9/16-18	1/2-14	1.22	1.47	0.90	1265 psi	----
28774F	1/2	3/4-16	3/8-18	1.25	1.22	0.81	1467 psi	----
28777F	1/2	3/4-16	1/2-14	1.31	1.47	0.90	1265 psi	----
28778F	1/2	3/4-16	3/4-14	1.4	1.59	0.89	2061 psi	----
28780F	5/8	7/8-14	1/2-14	1.45	1.47	0.88	1265 psi	----
28781F	3/4	1 1/16-12	1/2-14	1.66	1.56	1.08	1265 psi	----
28783F	3/4	1 1/16-12	3/4-14	1.66	1.59	1.06	1084 psi	----
28784F	1	1 5/16-12	3/4-14	1.88	1.77	1.32	1802 psi	----
28786F	1	1 5/16-12	1-11 1/2	1.81	1.97	1.3	2361 psi	----

DL3B2 3F69CL GGL6A1 F23L2 EE48D3 EE46B2 FF45A2 F48C3 FF22C3 D49B1 D25B1 3F47C1

FEMALE ELBOW FORGED BODY

PART #	TUBE OD	TUBE THREAD	A NPTF	M	N	WORKING PRESSURE	
28973	1/4	7/16-20	1/8-27	1.08	0.66	2797 psi	----
28974	1/4	7/16-20	1/4-18	1.25	0.55	3066 psi	----
28975	3/8	9/16-18	1/4-18	1.23	0.88	2842 psi	----

B2502 EBF DTXB

45° FORGED ELBOW

• Swivel available

PART #	TUBE OD	TUBE THREAD	A NPTF	M	N	Y	WORKING PRESSURE	
28722F	1/4	7/16-20	1/8-27	0.72	0.64	0.5	4367 psi	----
28724F	1/4	7/16-20	1/4-18	0.81	0.84	0.53	3750 psi	----
28728F	5/16	1/2-20	1/4-18	0.88	0.86	0.54		
28729F	3/8	9/16-18	1/8-27	0.83	0.65	0.63	3128 psi	----
28731F	3/8	9/16-18	1/4-18	0.83	0.86	0.63	3128 psi	----
28733F	3/8	9/16-18	3/8-18	0.91	0.95	0.81	3100 psi	----
28734F	3/8	9/16-18	1/2-14	1.03	1.17	0.94	2826 psi	----
28736F	1/2	3/4-16	3/8-18	0.98	0.95	0.75	2938 psi	----
28738F	1/2	3/4-16	1/2-14	1.13	1.17	0.86	2826 psi	----
28740F	5/8	7/8-14	1/2-14	1.13	1.08	0.88		
28742F	3/4	1 1/16-12	3/4-14	1.28	1.2	1.13	2442 psi	----

B2503 FBC-F VTXB

THREAD CHART

SIZE	JIC THREAD
1/8	5/16-24
3/16	3/8-24
1/4	7/16-20
5/16	1/2-20
3/8	9/16-18
1/2	3/4-16
5/8	7/8-14
3/4	1-1/16-12
1	1-5/16-12

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

INVERTED FLARE

BRASS FITTINGS

INVERTED FLARE FITTINGS



Tube O.D.	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
Thread O.D. threads per inch	5/16-28	3/8-24	7/16-24	1/2-20	5/8-18	11/16-18	3/4-18	7/8-18	1-1/16-16	1-3/16-16	1-5/16-16

•Typical Application

Hydraulic brake, power steering, fuel lines and transmission cooler lines, LP and natural gas.

•Working Pressure Ranges

Temperature and type of tubing used are important factors. However, the following table is a

PSI	Tube O.D. (in.)	Tube Wall (in.)
2800	1/8	.030
1900	3/16	.030
1400	1/4	.030
1200	5/16	.032
1000	3/8	.032
750	1/2	.032
650	5/8	.035
550	3/4	.035

good guide for proper selection. Temperature 73°F with copper tubing:

•Vibration

Excellent resistance.

•Temperature Range

-65°F to +250°F (-53°C to +121°C) range at maximum operating pressures.

•Used With

Copper, brass, aluminum and steel hydraulic tubing that can be flared.

•Advantages

Very low cost and reusable. Seats and threads are internal and protected. Compact, excellent vibration life. Short nut affords very close tube bends. Steel or brass

tube nut.

•Tolerance

+/- .03 on all dimensions.

•Conformance

Meets specifications and standards of ASA, ASME, SAE and MS (Military Standards).

•Assembly Instructions

- 1-Cut tubing to desired length. Make sure all burrs are removed and the ends are cut square.
- 2- Slide nut on tube. Threaded end "A" of nut must face out.
- 3- Flare end of tube with a 45° flaring tool.
 - a- Measure flare diameter.
 - b- Examine flare for excessive thin out.
 - c- On thin wall, welded or brazed tubing, use double flare to prevent pinch-off and cracked flares.
- 4- Lubricate threads and assemble to fitting body. Nut should be turned hand tight.

STANDARD METRIC THREADS

Description Tube Size	Thread O.D.	Crest (Pitch)	Thread Description
Japanese 3/16"	10mm	1.0mm	M10 x 1.0
European 3/16"	10mm	1.0mm	M10 x 1.0
GM 6mm	12mm	1.0mm	M12 x 1.0
Fuel 5/16"	14mm	1.5mm	M14 x 1.5
Fuel 3/8"	16mm	1.5mm	M16 x 1.5

Measuring Metric Threads: Measure the O.D. of the threads and the crest to crest distance (pitch) in millimeters between threads.

Actual O.D. of male inverted flare threads

5/16"-28 2800 PSI 3/8"-24 1900 PSI 7/16"-24 1400 PSI 1/2"-20 1200 PSI 5/8"-18 1000 PSI

3/4"-18 750 PSI

7/8"-18 650 PSI

1-1/16"-16 550 PSI

1/8"

3/16"

1/4"

5/16"

3/8"

1/2"

5/8"

3/4"

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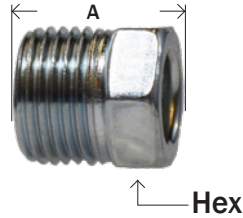
BRASS

INVERTED FLARE

BRASS FITTINGS

ZINC CHROMATE STEEL NUT

SAE# 040110



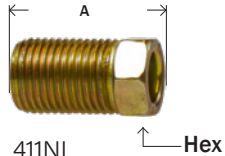
41IFS
41INS
04340

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
12001	04340-02	41IS-2		1/8"	41IFS-2	...
12002	04340-03	41IS-3		3/16"	41IFS-3	...
12018	04335-0304			3/16"	MA105X3X4	...
12003	04340-04	41IS-4		1/4"	41IFS-4	...
12004	04340-05	41IS-5		5/16"	41IFS-5	...
12005	04340-06	41IS-6		3/8"	41IFS-6	...
12000		41IS-7		7/16"	41IFS-7	...
12011		41IS-67		3/8"	MA105X6X7	...
12006	04340-08	41IS-8		1/2"	41IFS-8	...
12007	04340-10	41IS-10		5/8"	41IFS-10	...
12008	04340-12	41IS-12		3/4"	41IFS-12	...
12083				7/8"	41IFS-14	...
12084				1"	41IFS-16	...

121XXX 2105 411FS 105 41W

LONG STEEL NUT

FOR DOMESTIC LINES



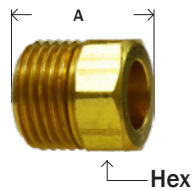
411NL
04330

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
12009	04330-03	41ISL-3		3/16"	41IFS-3L	...
12010	04330-04	41ISL-4		1/4"	41IFS-4L	...

7896

INVERTED FLARE BRASS NUT

SAE# 040110



411FB
41INB
04341

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
12012	04341-02	41IB-2		1/8"	41IFB-2	
12013	04341-03	41IB-3		3/16"	41IFB-3	...
12014	04341-04	41IB-4		1/4"	41IFB-4	...
12015	04341-05	41IB-5		5/16"	41IFB-5	...
12016	04341-06	41IB-6		3/8"	41IFB-6	...
12017	04341-08	41IB-8		1/2"	41IFB-8	...
12019	04341-10	41IB-10		5/8"	41IFB-10	...
				3/4"	41IFB-12	...
				1"	41IFB-16	...

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INVERTED FLARE

BRASS FITTINGS

ZINC STEEL METRIC TUBE NUTS - SEE OUR WEBSITE FOR BRAKE LINES AND TUBING

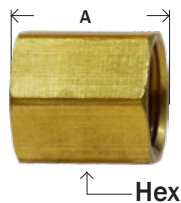


PART #	TUBESIZE	THREAD	REF#	
12260	3/16 British	3/8-24 Bubble	---	----
12261	3/16 European	M10 x 1.0 Bubble	276110	----
12262	3/16 Japanese	M10 x 1.0 Inv.	121050	----
12263	3/16 Domestic	1/2 x 20 Inv.	---	----
12264	3/16 Domestic	9/16 - 18 Inv.	121039	----
12266	3/16 Imported	M12 x 1.0 Bubble	276012	----
12268	1/4 Domestic	9/16 x 18 Inv.	121049	----
12269	1/4 Domestic	1/2 x 20 Inv.	121045	----
12270	6mm Imported	M12 x 1.0 Bubble		----
12274	5/16 Domestic	M14 x 1.5 Surface Seal	121069	----
12275	3/8 Domestic	M16 x 1.5 Surface Seal	121070	----

2100 411F 100 411B

UNION INTERNAL

SAE# 040101



421F
421N
04342

MIDLAND	AMC	CHAMPION	LIST	INV. FLARE X INV. FLARE	MAF #	MAF PRICE
12022	04342-02	421-2		1/8"	2302X2	
				1/8"	421F-2	
12023	04342-03	421-3		3/16"	2302X3	...
				3/16"	421F-3	...
12024	04342-04	421-4		1/4"	2302X4	...
				1/4"	421F-4	...
12025	04342-05	421-5		5/16"	2302X5	...
				5/16"	421F-5	...
12026	04342-06	421-6		3/8"	2302X6	...
				3/8"	421F-6	...
12027	04342-08	421-8		1/2"	2302X8	...
				1/2"	421F-8	...
12028				5/8"	2302X10	...
				3/16" X 1/8"	421FR-32	...
				1/4" X 3/16"	421FR-43	...
				5/16" X 3/16"	421FR-53	...
				5/16" X 1/4"	421FR-54	...
				3/8" X 1/4"	421FR-64	...
				3/8" X 5/16"	421FR-65	...

302 2300 421FHD

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

INVERTED FLARE

BRASS FITTINGS

FEMALE ADAPTER

SAE# 040103

46IFHD 252 46W

46IN
46IN
04346

MIDLAND	AMC	CHAMPION	LIST	INV. FLARE X FEMALE NPTF	MAF #	MAF PRICE
12029				1/8" x 1/8"	46IF-22	...
12032	04346-0302	46I-3A		3/16" x 1/8"	46IF-32	...
12033	04346-0402	46I-4A		1/4" x 1/8"	46IF-42	...
12030	04346-0404			1/4" x 1/4"	46IF-44	...
12034	04346-0502	46I-5A		5/16" x 1/8"	46IF-52	...
12035	04346-0604	46I-6B		3/8" x 1/4"	46IF-64	...
				3/8" x 3/8"	46IF-66	...
12031	04346-0704			7/16" x 1/4"	46IF-74	...
12037				1/2" x 1/4"	46IF-84	...
12036	04346-0806	46I-8C		1/2" x 3/8"	46IF-86	...
12039	04346-1008			5/8" x 1/2"	46IF-108	...
12099	04346-1212			3/4" x 3/4"	46IF-1212	...

MALE ADAPTER

SAE# 040102

48IN
48IF
04348

MIDLAND	AMC	CHAMPION	LIST	INV. FLARE X MALE NPTF	MAF #	MAF PRICE
12041	04348-0202	48I-2A		1/8" x 1/8"	48IF-22	
12042	04348-0302	48I-3A		3/16" x 1/8"	48IF-32	...
12053	04348-0304			3/16" x 1/4"	48IF-34	...
12043	04348-0402	48I-4A		1/4" x 1/8"	2202X4	...
				1/4" x 1/8"	48IF-42	...
12044	04348-0404	48I-4B		1/4" x 1/4"	2234X4	...
				1/4" x 1/4"	48IF-44	...
				1/4" x 3/8"	48IF-46	...
12045	04348-0502	48I-5A		5/16" x 1/8"	2200X5	...
				5/16" x 1/8"	2202X5	...
				5/16" x 1/8"	48IF-52	...
12046	04348-0504	48I-5B		5/16" x 1/4"	48IF-54	...
12055	04348-0506			5/16" x 3/8"	48IF-56	...
12047	04348-0602	48I-6A		3/8" x 1/8"	48IF-62	...
12048	04348-0604	48I-6B		3/8" x 1/4"	2202X6	...
				3/8" x 1/4"	48IF-64	...
12049	04348-0606	48I-6C		3/8" x 3/8"	2236X6	...
				3/8" x 3/8"	48IF-66	...
12104	04348-0704			7/16" x 1/4"	48IF-74	...
12038	04348-0804	48I-8B		1/2" x 1/4"	48IF-84	...
12050	04348-0806	48I-8C		1/2" x 3/8"	2202X8	...
				1/2" x 3/8"	48IF-86	...
				1/2" x 1/2"	2202X8X8	...
12051	04348-0808	48I-8D		1/2" x 1/2"	48IF-88	...
12052	04348-1008	48I-10D		5/8" x 1/2"	48IF-108	...
				5/8" x 3/4"	48IF-1012	...
12105	04348-1208			3/4" x 1/2"	48IF-128	...
12040	04348-1212	48I-12E		3/4" x 3/4"	48IF-1212	...
12107	04348-1608			7/8" x 3/4"	48IF-1412	...
12108	04348-1616			1" x 3/4"	48IF-1612	...
				1" x 1"	48IF-1616	...

Dimension data can change without notice. Please call when dimensions are critical.

2200 48IFHD 202 48W 200

INVERTED FLARE

BRASS FITTINGS

MALE INVERTED FLARE UNIONS



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				1/4" x 3/16"	22IFS-43	
				5/16" x 3/16"	22IFS-53	...
				5/16" x 1/4"	22IFS-54	...
				3/8" x 1/4"	22IFS-64	...
				3/8" x 5/16"	22IFS-65	...

ELBOW

SAE# 040202



491N
491F
04349

MIDLAND	AMC	CHAMPION	LIST	INV. FLARE X MALE NPTF	MAF #	MAF PRICE
12057	04349-0202	49I-2A		1/8" x 1/8"	49IF-22	
12058	04349-0302	49I-3A		3/16" x 1/8"	49IF-32	...
12059	04349-0402	49I-4A		1/4" x 1/8"	2402X4	...
				1/4" x 1/8"	49IF-42	...
12054*				1/4" x 1/8"	49IFRH-42	...
12060	04349-0404	49I-4B		1/4" x 1/4"	49IF-44	...
12061	04349-0502	49I-5A		5/16" x 1/8"	49IF-52	...
12062	04349-0504	49I-5B		5/16" x 1/4"	49IF-54	...
12082	04394-0506			5/16" x 3/8"	49IF-56	...
12063	04349-0602	49I-6A		3/8" x 1/8"	49IF-62	...
12064	04349-0604	49I-6B		3/8" x 1/4"	2402X6	...
				3/8" x 1/4"	49IF-64	...
12065	04349-0606	49I-6C		3/8" x 3/8"	49IF-66	...
12114	04349-0804	49I-8B		1/2" x 1/4"	49IF-84	...
12066	04349-0806	49I-8C		1/2" x 3/8"	49IF-86	...
12067	04349-0808	49I-8D		1/2" x 1/2"	49IF-88	...
12056	04349-1006	49I-10C		5/8" x 3/8"	49IF-106	...
12068	04349-1008	49I-10D		5/8" x 1/2"	49IF-108	...
12069	04349-1208			3/4" x 1/2"	49IF-128	...
				3/4" x 3/4"	49IF-1212	...
12080	04394-1412			7/8" x 3/4"	49IF-1412	...
12081	04394-1616			1" x 1"	49IF-1616	...

*Restricted pipe end .062

400 2400 2491FHD 402 2491F 49W

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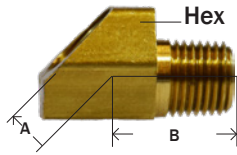
BRASS

INVERTED FLARE

BRASS FITTINGS

45° ELBOW

SAE# 040302



591F
941N
04394

MIDLAND	AMC	CHAMPION	LIST	INV. FLARE X MALE NPTF	MAF #	MAF PRICE
12070	04394-0202			1/8" x 1/8"	591F-22	...
12072	04394-0302	94I-3A		3/16" x 1/8"	591F-32	...
12073	04394-0402	94I-4A		1/4" x 1/8"	591F-42	...
12074	04394-0502	94I-5A		5/16" x 1/8"	591F-52	...
12075	04394-0504	94I-5B		5/16" x 1/4"	591F-54	...
12115	04394-0602			3/8" x 1/8"	591F-62	...
12076	04394-0604	94I-6B		3/8" x 1/4"	591F-64	...
12077	04394-0806	94I-8C		1/2" x 3/8"	591F-86	...
12079	04394-1008	94I-10D		5/8" x 1/2"	591F-108	...

154 2352 2591FHD 352 94W

UNION TEE

SAE# 040401



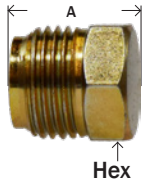
441F
441N
04344

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
12085	04344-02			1/8"	441F-2	
12086	04344-03	44I-3		3/16"	441F-3	...
12087	04344-04	44I-4		1/4"	441F-4	...
12088	04344-05	44I-5		5/16"	441F-5	...
12089	04344-06	44I-6		3/8"	441F-6	...
12090	04344-08	44I-8		1/2"	441F-8	...
				7/8"	441F-14	...

2441FHD 702 44I

STEEL PLUG

SAE# 040109



391N
391F
04399



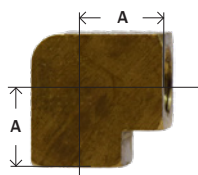
STEEL						
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
12091	04339-03	41IP-3		3/16"	391F-3	...
12092	04339-04	41IP-4		1/4"	391F-4	...
12093	04339-05	41IP-5		5/16"	391F-5	...
12094	04339-06	41IP-6		3/8"	391F-6	...
BRASS						
12095				3/8"	391FB-6	...
12096				1/2"	391FB-8	...
12097				5/8"	391FB-10	...
12098				3/4"	391FB-12	...

▪ cored

106 41IP 131 2131

FEMALE ELBOW

SAE# 040203



501F
501N
04350

MIDLAND	AMC	CHAMPION	LIST	INV. FLARE X FEMALE NPTF	MAF #	MAF PRICE
	04350-0320	50I-3A		3/16" x 1/8"	501F-32	
12110	04350-0402	50I-4A		1/4" x 1/8"	501F-42	
12111	04350-0502	50I-5A		5/16" x 1/8"	501F-52	...
12112	04350-0604	50I-6B		3/8" x 1/4"	501F-64	...
				1/2" x 3/8"	501F-86	...

450

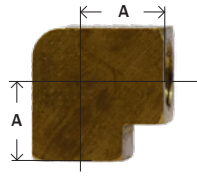
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

INVERTED FLARE

BRASS FITTINGS

UNION ELBOW INV. FL X INV. FL

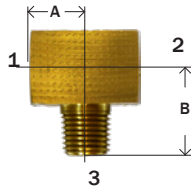
SAE# 040203



MIDLAND	AMC	CHAMPION	LIST	INV. FLARE X FEMALE NPTF	MAF #	MAF PRICE
12415	04355-04			1/4	55IF-4	
				5/16	55IF-5	
	04355-06			3/8	55IF-6	
				1/2	55IF-8	

MALE BRANCH TEE

SAE# 040425



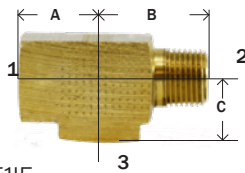
451F
451N
04345

MIDLAND	AMC	CHAMPION	LIST	INV. FLARE X MALE NPTF (1&2)X3	MAF #	MAF PRICE
12100	04345-0302	54I-3A		3/16" x 1/8"	451F-32	...
12101	04345-0402	54I-4A		1/4" x 1/8"	451F-42	...
12102	04345-0502	54I-5A		5/16" x 1/8"	451F-52	...
12103	04345-0604	54I-6B		3/8" x 1/4"	451F-64	...

145 245IFHD 602 2600 600

MALE RUN TEE

SAE# 040424



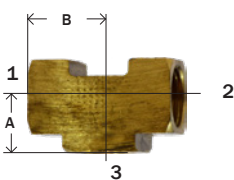
511F
511N
04351

MIDLAND	AMC	CHAMPION	LIST	INV. FLARE X MALE NPTF (1&3)X2	MAF #	MAF PRICE
12118	04351-0302	51I-3A		3/16" x 1/8"	511F-32	...
12119	04351-0402	51I-4A		1/4" x 1/8"	511F-42	...
12120	04351-0502	51I-5A		5/16" x 1/8"	511F-52	...
12121	04351-0604	51I-6B		3/8" x 1/4"	511F-64	...
				1/2" x 3/8"	511F-86	...

251IFHD 752 550 151

FEMALE BRANCH TEE

SAE# 040427

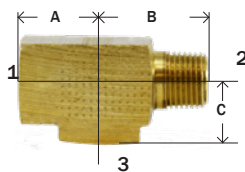


521F
521N
04352

MIDLAND	AMC	CHAMPION	LIST	INV. FLARE X FEMALE NPTF (1&2)X3	MAF #	MAF PRICE
12127		52I-3A		3/16" x 1/8"	521F-32	
12128				1/4" x 1/8"	521F-42	
12129	04352-0502			5/16" x 1/8"	521F-52	...
12130	04352-0604			3/8" x 1/4"	521F-64	...
				1/2" x 3/8"	521F-86	...
				1/2" x 1/2"	521F-88	...

252IFHD 652 136

FIPXMIPXINV FL TEE



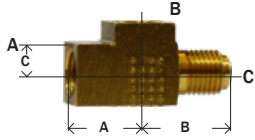
MIDLAND	AMC	CHAMPION	LIST	FIP X MIP X INV FL. SIZE	MAF #	MAF PRICE
				1/8" x 1/8" x 3/16"	53IF-32	
				1/8" x 1/8" x 1/4"	53IF-42	

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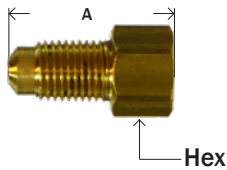
INVERTED FLARE

BRASS FITTINGS

TOWED TRAILER BRAKE TEE

127BT

MIDLAND	AMC	CHAMPION	REF #	LIST	INVERTED SEAT	INV SEAT	MALE THREAD	MAF #	MAF PRICE
12147	08603	127BT-3	7900		3/16" 0.57	3/16" 0.76	3/16" 0.42	MA7900	...
12145	08608		7906		3/16" (1/2-20) 0.68	3/16" (3/8-24) 0.94	3/16" (1/2-20) 0.47	MA7906	...
12148	08605		7933		3/16" (9/16-18)	3/16" (3/8-24)	3/16" (9/16/18)	MA7933	...
12144	08607		7905		3/16" (9/16-20) 0.82	3/16" (3/8-24) 0.94	3/16" (9/16-20) 0.47	MA7905	...
12146	08609		7914		3/16" (7/16-24) 0.54	3/16" (3/8-24) 0.78	1/4" (7/16-24) 0.42	MA7914	...
12150	08604	127BT-4	7901		1/4" 0.56	3/16" 0.77	1/4" 0.43	MA7901	...
12149	08606		7904		1/4" (9/16-18) 0.81	3/16" (3/8-24) 0.93	1/4" (9/16-18) 0.50	MA7904	...
12151	08601	127BT-1	7898		1/4" 0.56	1/4" 0.77	1/4" 0.43	MA7898	...

INVERTED FLARE AUTO FITTINGS**DUAL MASTER CYLINDER ADAPTER**

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X FEMALE INV.	MAF #	MAF PRICE
12200				3/16" x 3/16"	MA1441	...
12202				5/16" x 3/16"	MA7897	...

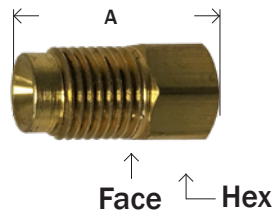
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



INVERTED FLARE

BRASS FITTINGS

DUAL MASTER CYLINDER ADAPTER



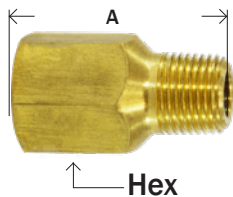
48STA
6641N
6011N

* Seals on hex face

MIDLAND	AMC	CHAMPION	REF#	LIST	MALE INVERTED THREAD	FEMALE INVERTED THREAD	MAF #	MAF PRICE
12206	08664-090918		7911		3/16(9/16-18)	3/16	MA7911	...
12209	08664-0809		7913		3/16(9/16-18)	3/16(1/2-20)	MA7913	...
12207	08664-030920		7910		3/16(9/16-20)	3/16	MA7910	...
12210	08661-0403	47I-43	7828		3/16	1/4	MA7828	...
12212	08661-0304	47I-34	7818		1/4	3/16	MA7818	...
12214*	08683	47I-47-HEX	7732		7/16-20	1/4	MA7732	...
12211	08664-0409		7908		1/4(9/16-18)	1/4	MA7908	...
12215	08661-0504		7917		1/4	5/16	MA7917	...
12213*	08681		7817		5/16	3/16	MA7817	...
12216	08661-0305	47I-35	7909		5/16	3/16	MA7909	...
12208	08664-0908	7912	7912		5/16	3/16(9/16-18)	MA7912	...
12218*	08684	47I-45-HEX	7727		5/16	1/4	MA7727	...
12220	08661-0405	47I-45	7829		5/16	1/4	MA7829	...
12222*	08685	47I-55-HEX	1074		5/16	5/16	MA1074	...
12221	08661-0506	47I-65	7915		5/16	3/8	MA7915	...
12224			7771		3/8" NPTF	5/16	MA7771	...
12217	08661-0605	47I-56	7916		3/8	5/16	MA7916	...

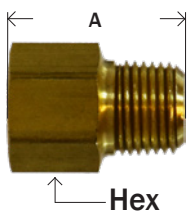
47W

CARBURETOR TO FUEL LINE ADAPTER - FORD



MIDLAND	AMC	CHAMPION	LIST	FEMALE TUBE OD X MALE NPTF	MAF #	MAF PRICE
12230				1/4"(1/2-20) x 1/8"	MA1513	

RESTRICTION PIPE ADAPTER (.0625 ORIFICE)



MIDLAND	AMC	CHAMPION	REF#	LIST	SIZE FIP X MIP	MAF #	MAF PRICE
12310			1512		1/8"	MA1512	

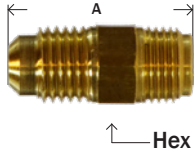
Dimension data can change without notice. Please call when dimensions are critical.

INVERTED FLARE

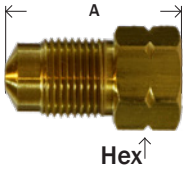
BRASS FITTINGS

SAE FLARE X INVERTED FLARE

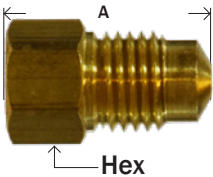
4205



MIDLAND	AMC	CHAMPION	REF #	LIST	SAE FLARE X INV. FLARE	MAF #	MAF PRICE
12250		04MF-04MI	1518		1/4" x 3/16"	MA1518	----
12252			1522		1/4" x 1/4"	MA1522	----
12254		06MF-06MI	1553		3/8" x 5/16"	MA1553	----
12256			1563		3/8" x 3/8"	MA1563	----
12257			1554		3/8" x 7/16"	MA1554	----

METRIC HYDRAULIC BRAKE FITTINGS**METRIC ADAPTER**

MIDLAND	AMC	CHAMPION	REF #	LIST	TUBE O.D./ FEMALE THREAD	MAF #	MAF PRICE
12335			1442		3/16"(3/8-24)	MA1442	...
12326			7935		3/16"(M10x1.0)	MA7935	...
12327			7936		3/16"(M10x1.0)	MA7936	...
12328			7937		3/16"(M10x1.0)	MA7937	...

ADAPTER STANDARD TO METRIC BUBBLE

MIDLAND	AMC	CHAMPION	REF #	LIST	FEMALE INV. FLARE SEAT	MALE METRIC BUBBLE FLARE	MAF #	MAF PRICE
12336			7973		3/16" (3/8-24)	11x1.5	MA7973	...
12337			7970		3/16" (3/8-24)	(3/16") (10x1.25)	MA7970	...
12339			7972		3/16" (3/8-24)	13x1.5	MA7972	...
12341			7974		3/16" (3/8-24)	12x1.0	MA7974	...

FEMALE X MALE ADAPTERS

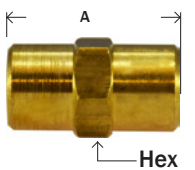
MIDLAND	LIST	FEMALE STANDARD FLARE SEAT	MALE BUBBLE FLARE	MAF #	MAF PRICE
12330		3/8-24 (3/16)	7/16-20	MA1330	...



MIDLAND	REF #	LIST	TUBE OD/ FEMALE THREAD	INVERTED MALE THREAD	MAF #	MAF PRICE
12205	1443		3/16 (3/8-24)	M10 x 1.0	MA1443	



MIDLAND	LIST	FEMALE STANDARD FLARE	INVERTED MALE THREAD	MAF #	MAF PRICE
12329		3/8-24 (3/16)	M9 x 1.0	MA1329	

METRIC UNION

MIDLAND	REF #	LIST	SIZE	MAF #	LIST
12342	1594		British Brake Lines 3/16 (3/8-24 Bubble)	MA1594	
12343	7975		European Brake Lines 3/16"(10.0MM)	MA7975	...
12344	7934A		Japanese Brake Lines 3/16 (M10 x 1.0) Inverted	MA7934A	...
12345			GM Brake Lines 6mm M12 x 1.0 Bubble	MA2345	...

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

COMPRESSION

BRASS FITTINGS

COMPRESSION FITTINGS



These are NOT Lead Free
See Lead Free section for Lead Free products

Tube O.D.	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8
Thread Size-B	5/16-24	3/8-24	7/16-24	1/2-24	9/16-24	5/8-24	11/16-20	13/16-18	1-18	1-1/8-18
Working Pressure	400	400	300	300	200	200	200	150	100	75

• Typical Application

Use with copper, aluminum and thermoplastic tubing. Not recommended for steel tubing. Manufactured for low and medium pressure tubing connection work where excessive vibration or tube movement is not involved. Not recommended for application using gaseous media.

• Pressure

See table above for working pressures at 73°F.

• Vibration

Fair resistance - use long nut when greater vibration resistance is needed.

• Temperature Range

-65°F to +250°F (-53°C to +121°C) range at maximum operating pressures. (Refer to tubing temperature range.)

• Used With

Aluminum, copper, brass and plastic tubing. Plastic tubing requires insert. Not recommended for steel tubing.

• Tolerance

+/- .02 on all dimensions. Dimension data can change without notice. Please call us when dimensions are critical.

• Conformance

Meets specifications and standards of ASA, ASME and SAE.

• Assembly Instructions

- 1- Cut tubing to desired length.
- 2- Slide nut and then sleeve on tube. Threaded end "A" of nut must face toward fitting.
- 3- Insert tubing into fitting body. Be sure tubing is bottomed on fitting shoulder.
- 4- Lubricate threads and assemble nut to fitting body.
- 5- Tighten nut hand tight. From that point, tighten with a wrench the number of turns indicated in the chart below.

Tube Size	Additional Turns from Hand Tight
1/8" thru 1/4"	1-1/4"
5/16"	1-3/4"
3/8" thru 1"	2-1/4"

• "L" at the end of a Part# means Light Pattern

-These fittings are completely interchangeable with full pattern fittings, but have been modified in some way. This modification is usually in the length of the pipe threads. Used in plumbing and light industrial applications.

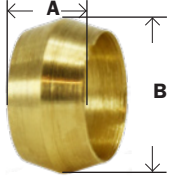
Actual Profile of Compression Threads



WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

COMPRESSION**BRASS FITTINGS****BRASS SLEEVE**

• FERRULES
SAE# 060115



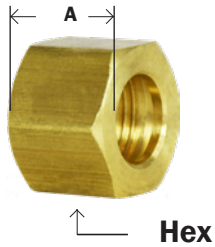
60
00060

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
18001	00060-02	60A-2	----	1/8"	60-2	----
				1/8"	260X2	----
18002	00060-03	60A-3	----	3/16"	60-3	----
				3/16"	260X3	----
18003	00060-04	60A-4	----	1/4"	60-4	----
				1/4"	260X4	----
18004	00060-05	60A-5	----	5/16"	60-5	----
				5/16"	260X5	----
18005	00060-06	60A-6	----	3/8"	60-6	----
				3/8"	260X6	----
18006	00060-07	60A-7	----	7/16"	60-7	----
				7/16"	260X7	----
18007	00060-08	60A-8	----	1/2"	60-8	----
				1/2"	260X8	----
18008	00060-10	60A-10	----	5/8"	60-10	----
				5/8"	260X10	----
18009	00060-12	60A-12	----	3/4"	60-12	----
				3/4"	260X12	----
18010	00060-14	60A-14	----	7/8"	60-14	----
18011			----	1"	260X16	----
					260X16	

60 260

BRASS NUT

SAE# 060110



61
00061

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				1/8"	61-2	----
18033	00061-02	61A-2	----	1/8"	261X2	----
				3/16"	61X3	----
18034	00061-03	61A-3	----	3/16"	261X3	----
18035L			----	1/4"	61-4	----
18035	00061-04	61A-4	----	1/4"	261X4	----
				5/16"	61-5	----
18036	00061-05	61A-5	----	5/16"	261X5	----
18037L	00061-06		----	3/8"	61-6	----
18037		61A-6	----	3/8"	261X6	----
				7/16"	61-7	----
18038	00061-07	61A-7	----	7/16"	261X7	----
18039L	00061-08		----	1/2"	61-8	----
18039		61AH-8	----	1/2"	261X8	----
18040L	00061-10		----	5/8"	61-10	----
18040		61AH-10	----	5/8"	261X10	----
				3/4"	61-12	----
18041	00061-12	61A-12	----	3/4"	261X12	----
				7/8"	61-14	----
18042	00061-14	61A-14	----	7/8"	261X14	----
18043			----	1"	261X16	----

61 261

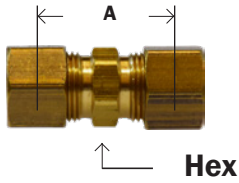
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

COMPRESSION

BRASS FITTINGS

UNION

SAE# 060101BA

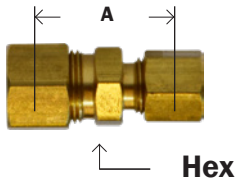


62
262
00062

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				1/8"	62-2	----
18062	00062-02	62A-22	----	1/8"	262X2	----
				3/16"	62-3	----
18063	00062-03	62A-33	----	3/16"	262X3	----
18064L	00062-04		----	1/4"	62-4	----
18064		62A-44	----	1/4"	262X4	----
				5/16"	62-5	----
18065	00062-05	62A-55	----	5/16"	262X5	----
18066L	00062-06		----	3/8"	62-6	----
18066		62A-66	----	3/8"	262X6	----
				3/8"	62FC-6	----
18067	00062-07	62A-77	----	7/16"	62-7	----
18068L	00062-08		----	1/2"	62-8	----
18068		62A-88	----	1/2"	262X8	----
18069L	00062-10		----	5/8"	62-10	----
18069		62A-1010	----	5/8"	262X10	----
18070	00062-12	62A-1212	----	3/4"	262X12	----
18071L	00062-14		----	7/8"	62-14	----
18071		62A-1414	----	7/8"	262X14	----
18072	00062-16		----	1"	262X16	----

M-62

REDUCING UNION



62R
00082

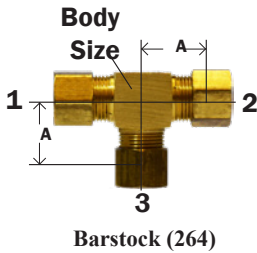
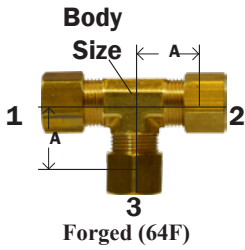
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				3/16" x 1/8"	62R-32	----
18076	00082-0402	62A-42	----	1/4" x 1/8"	62R-42	----
18077	00082-0403	62A-43	----	1/4" x 3/16"	62R-43	----
18078	00082-0504	62A-54	----	5/16" x 1/4"	62R-54	----
18079	00082-0604	62A-64	----	3/8" x 1/4"	62R-64	----
				3/8" x 1/4"	262RX6X4	----
18080	00082-0605	62A-65	----	3/8" x 5/16"	62R-65	----
				1/2" x 1/4"	262RX8X4	----
18081	00082-0806	62A-86	----	1/2" x 3/8"	262RX8X6	----
18082	00082-1006	62A-106	----	5/8" x 3/8"	62R-106	----
18083	00082-1008	62A-108	----	5/8" x 1/2"	62R-108	----
				5/8" x 1/2"	262RX10X8	----
18085	00082-1406		----	7/8" x 3/8"	62R-146	----
18086	00082-1408		----	7/8" x 1/2"	262RX14X8	----
18084	00082-1410		----	7/8" x 5/8"	262RX14X10	----
				7/8" x 3/4"	262RX14X12	----

62-R

DRILLED THRU TANK UNION

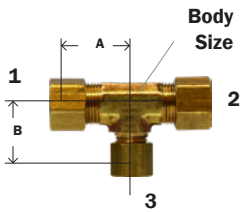
00092

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				1/8"	62T-2	----
				1/4"	62T-4	----
				3/8"	62T-6	----
				1/2"	62T-8	----
				5/8"	62T-10	----
				7/8"	62T-14	----

COMPRESSION**BRASS FITTINGS****TEE**
SAE# 06040164
00064

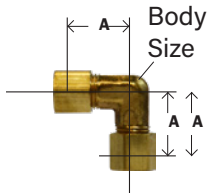
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
18101	00064-02		----	1/8"	64F-2	----
18101B		64A-22	----	1/8"	264X2	----
18102	00064-03		----	3/16"	64F-3	----
18102B		64A-33	----	3/16"	264X3	----
18103	00064-04	64AF-44	----	1/4"	64F-4	----
18103B		64A-44	----	1/4"	264X4	----
18104	00064-05	64A-55	----	5/16"	64F-5	----
18104B			----	5/16"	264X5	----
18105		64AF-66	----	3/8"	64F-6	----
18105B	00064-06	64A-66	----	3/8"	264X6	----
	00064-07	64A-77		7/16"	64F-7	----
				7/16"	264X7	----
18106	00064-08	64A-88	----	1/2"	64F-8	----
				1/2"	264X8	----
18107	00064-10		----	5/8"	64F-10	----
				5/8"	264X10	----
18108	00064-12	64A-1212	----	3/4"	64F-12	----
				3/4"	264X12	----
18109	00064-14	64A-1414	----	7/8"	64F-14	----
				7/8"	264X14	----
				1"	264X16	----

64 264C

FORGED REDUCING TEE64R
00084

MIDLAND	AMC	CHAMPION	LIST	SIZE 1 X 2 X 3	MAF #	MAF PRICE
18114	00084-040402	64A-442	----	1/4" x 1/4" x 1/8"	64FR-442	----
18110	00084-040406	64A-446	----	1/4" x 1/4" x 3/8"	64FR-446	----
	00084-050504	64A-554		5/16" x 5/16" x 1/4"	64FR-554	----
18111	00084-060404	64A-644	----	3/8" x 1/4" x 1/4"	64FR-644	----
18115	00084-060604	64A-664	----	3/8" x 3/8" x 1/4"	64FR-664	----
18116	00084-080804	64A-884	----	1/2" x 1/2" x 1/4"	64FR-884	----
18117	00084-080806	64A-886	----	1/2" x 1/2" x 3/8"	64FR-886	----
18118	00084-101006	64A-10106	----	5/8" x 5/8" x 3/8"	64FR-10106	----
18119	00084-101008	64A-10108	----	5/8" x 5/8" x 1/2"	64FR-10108	----

64-R

UNION ELBOW SAE# 06020165
00065

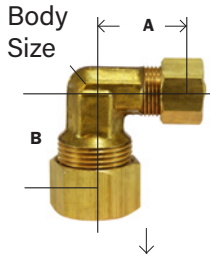
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
18122B	00065-02	65A-22	----	1/8"	265X2	----
18123	00065-03	65A-33	----	3/16"	265X3	----
18124	00065-04	65AF-44	----	1/4"	265X4	----
18125	00065-05	65A-55	----	5/16"	265X5	----
18126	00065-06	65A-66	----	3/8"	265X6	----
18127	00065-08	65A-88	----	1/2"	265X8	----
18128	00065-10	65A-1010	----	5/8"	65F-10	----
18129	00065-12	65A-1212	----	3/4"	65F-12	----
18130	00065-14	65A-1414	----	7/8"	65F-14	----

65 BSE2 165C 265C

COMPRESSION

BRASS FITTINGS

REDUCING ELBOW - FORGED



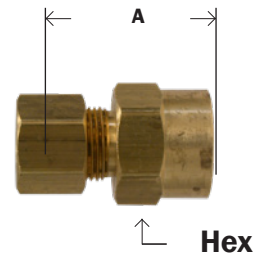
00085
65R

MIDLAND	AMC	CHAMPION	LIST		MAF #	MAF PRICE
18135	00085-0604	65A-64	----	3/8" x 1/4"	65FR-64	----
18136	00085-0806	65A-86	----	1/2" x 3/8"	65FR-86	----
18137	00085-1006	65A-106	----	5/8" x 3/8"	65R-106	----
	00085-1008	65A-108		5/8" x 1/2"	65R-108	

65-R

FEMALE ADAPTER

SAE# 060103



66

MIDLAND	AMC	CHAMPION	LIST	COMP. X FEMALE NPTF	MAF #	MAF PRICE
18142	00066-0202	66A-2A	----	1/8" x 1/8"	66-22	----
18143	00066-0302	66A-3A	----	3/16" x 1/8"	66-32	----
18144	00066-0304	66A-3B	----	3/16" x 1/4"	66-34	----
18145L	00066-0402		----	1/4" x 1/8"	66-42	----
18145		66A-4A	----	1/4" x 1/8"	266X4	----
18146L	00066-0404		----	1/4" x 1/4"	66-44	----
18146		66A-4B	----	1/4" x 1/4"	266X4X4	----
	00066-0406	66A-4C		1/4" x 3/8"	66-46	----
18148	00066-0408	66A-4D	----	1/4" x 1/2"	66-48	----
				1/4" x 5/8"	66S-410*	----
18149	00066-0502	66A-5A	----	5/16" x 1/8"	66-52	----
18150	00066-0504	66A-5B	----	5/16" x 1/4"	66-54	----
	00066-0506	66A-5C		5/16" x 3/8"	66-56	----
18152	00066-0602	66A-6A	----	3/8" x 1/8"	66-62	----
18153L	00066-0604		----	3/8" x 1/4"	66-64	----
18153		66A-6B	----	3/8" x 1/4"	266X6	----
18154L	00066-0606		----	3/8" x 3/8"	66-66	----
18154		66A-6C	----	3/8" x 3/8"	266X6X6	----
18155	00066-0608	66A-6D	----	3/8" x 1/2"	66-68	----
	00086-0610	66AS-610		3/8" x 5/8"	66S-610*	----
18156	00066-0612	66A-6E	----	3/8" x 3/4"	66-612	----
18157	00066-0804	66A-8B	----	1/2" x 1/4"	66-84	----
18158L	00066-0806		----	1/2" x 3/8"	66-86	----
18158		66A-8C	----	1/2" x 3/8"	266X8	----
18159L	00066-0808		----	1/2" x 1/2"	66-88	----
18159		66A-8D	----	1/2" x 1/2"	266X8X8	----
	00096-0808			1/2"	66T-88**	----
				1/2" x 5/8"	66S-810*	----
18160	00066-0812	66A-8E	----	1/2" x 3/4"	66-812	----
	00096-1006	66A-10C		5/8" x 3/8"	66-106	----
18162L	00066-1008		----	5/8" x 1/2"	66-108	----
18162		66A-10D	----	5/8" x 1/2"	266X10	----
18163	00066-1012	66A-10E	----	5/8" x 3/4"	66-1012	----
18164	00066-1208	66A-12D	----	3/4" x 1/2"	66-128	----
18165	00066-1212	66A-12E	----	3/4" x 3/4"	66-1212	----
18167	00066-1408		----	7/8" x 1/2"	66-148	----
18166	00066-1412	66A-14E	----	7/8" x 3/4"	66-1412	----

** Drilled thru

* Comp x SWT

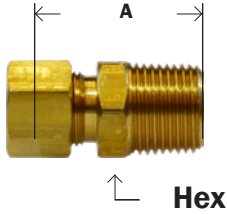
• More sizes available online

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BRASS

COMPRESSION

BRASS FITTINGS

MALE ADAPTER
SAE# 06010268
00068

MIDLAND	AMC	CHAMPION	LIST	COMP. X MALE NPTF	MAF #	MAF PRICE
18175		68A-2X	----	1/8" x 1/16"	68-21	----
18176	00068-0202	68A-2A	----	1/8" x 1/8"	268X2	----
				3/16" x 1/8"	68-32	----
18177	00068-0302	68A-3A	----	3/16" x 1/8"	268X3	----
18178	00068-0304	68A-3B	----	3/16" x 1/4"	68-34	----
18179L			----	1/4" x 1/8"	68-42	----
18179	00068-0402	68A-4A	----	1/4" x 1/8"	268X4	----
18180L	00068-0404		----	1/4" x 1/4"	68-44	----
18180		68A-4B	----	1/4" x 1/4"	268X4X4	----
18181	00068-0406	68A-4C	----	1/4" x 3/8"	268X4X6	----
18182	00068-0408	68A-4D	----	1/4" x 1/2"	268X4X8	----
	00068-0502			5/16" x 1/8"	68-52	----
18183		68A-5A	----	5/16" x 1/8"	268X5	----
18184L	00068-0504		----	5/16" x 1/4"	68-54	----
18184		68A-5B	----	5/16" x 1/4"	268X5X4	----
18185	00068-0506	68A-5C	----	5/16" x 3/8"	68-56	----
18186	00068-0508	68A-5D	----	5/16" x 1/2"	68-58	----
18187L	00068-0602		----	3/8" x 1/8"	68-62	----
18187		68A-6A	----	3/8" x 1/8"	268X6X2	----
18188L	00068-0604		----	3/8" x 1/4"	68-64	----
18188		68A-6B	----	3/8" x 1/4"	268X6X4	----
18189L	00068-0606		----	3/8" x 3/8"	68-66	----
18189		68A-6C	----	3/8" x 3/8"	268X6X6	----
18190L	00068-0608		----	3/8" x 1/2"	68-68	----
18190		68A-6D	----	3/8" x 1/2"	268X6X8	----
				3/8" x 1/2"	68LP-68	----
18191	00068-0612	68A-6E	----	3/8" x 3/4"	68-612	----
18192	00068-0704	68A-7B	----	7/16" x 1/4"	268X7	----
18204	00068-0706	68A-7C	----	7/16" x 3/8"	68-76	----
18193L	00068-0804		----	1/2" x 1/4"	68-84	----
18193		68A-8B	----	1/2" x 1/4"	268X8X4	----
18194L	00068-0806		----	1/2" x 3/8"	68-86	----
18194		68A-8C	----	1/2" x 3/8"	268X8	----
18195L	00068-0808		----	1/2" x 1/2"	68-88	----
18195		68A-8D	----	1/2" x 1/2"	268X8X8	----
18196	00068-0812	68A-8E	----	1/2" x 3/4"	68-812	----
18216	00068-1004		----	5/8" x 1/4"	68-104	----
18197	00068-1006	68A-10C	----	5/8" x 3/8"	268X10X6	----
18198	00068-1008	68A-10D	----	5/8" x 1/2"	68-108	----
				5/8" x 1/2"	268X10	----
18199	00068-1012	68A-10E	----	5/8" x 3/4"	68-1012	----
18200	00068-1208	68A-12D	----	3/4" x 1/2"	68-128	----
18201	00068-1212	68A-12E	----	3/4" x 3/4"	68-1212	----
18202	00068-1408	68A-14D	----	7/8" x 1/2"	68-148	----
18203	00068-1412	68A-14E	----	7/8" x 3/4"	68-1412	----
18205	00068-1416		----	7/8" x 1"	68-1416	----
18206	00068-1612		----	1" x 3/4"	68-1612	----
18207	00068-1616		----	1" x 1"	68-1616	----

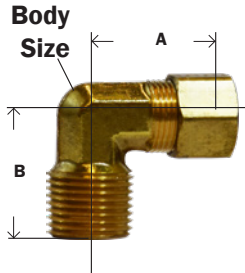
68

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

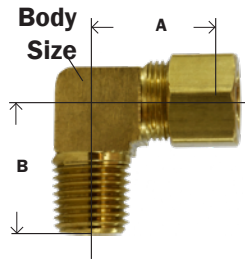
COMPRESSION

BRASS FITTINGS

MALE ELBOW SAE# 060202



Forged (69F)



Barstock (269)

69
00069

* Barstock

** Compression x SWT

MIDLAND	AMC	CHAMPION	LIST	COMP. X MALE NPTF	MAF #	MAF PRICE
18219		69A-2X	----	1/8" x 1/16"	269X2X1	----
18220	00069-0202		----	1/8" x 1/8"	69F-22	----
18220B*		69A-2A	----	1/8" x 1/8"	269X2	----
18221	00069-0302		----	3/16" x 1/8"	69F-32	----
18221B*		69AF-3A	----	3/16" x 1/8"	269X3	----
18223	00069-0304	69A-3B	----	3/16" x 1/4"	69F-34	----
18223B*			----	3/16" x 1/4"	269X3X4	----
18224	00069-0402		----	1/4" x 1/8"	69F-42	----
				1/4" x 1/8"	69-42	----
18224B*	00069-0402B	69AF-4A	----	1/4" x 1/8"	269X4	----
18225	00069-0404	69AF-4B	----	1/4" x 1/4"	69F-44	----
18225B*		69A-4B	----	1/4" x 1/4"	269X4X4	----
18226	00069-0406	69A-4C	----	1/4" x 3/8"	69F-46	----
18226B			----	1/4" x 3/8"	269X4X6	----
18227	00069-0408	69A-4D	----	1/4" x 1/2"	69F-48	----
18228	00069-0502	69AF-5A	----	5/16" x 1/8"	69F-52	----
18228B*		69A-5A	----	5/16" x 1/8"	269X5	----
18229	00069-0504	69AF-5B	----	5/16" x 1/4"	69F-54	----
18229B*		69A-5B	----	5/16" x 1/4"	269X5X4	----
18230	00069-0506	69A-5C	----	5/16" x 3/8"	69F-56	----
18231	00069-0508		----	5/16" x 1/2"	69F-58	----
18232	00069-0602		----	3/8" x 1/8"	69F-62	----
18232B*		69A-6A	----	3/8" x 1/8"	269X6X2	----
18233	00069-0604	69AF-6B	----	3/8" x 1/4"	69F-64	----
18233B*		69A-6B	----	3/8" x 1/4"	269X6	----
18234	00069-0606	69AF-6C	----	3/8" x 3/8"	69-66	----
18234B*	00069-0606B	69A-6C	----	3/8" x 3/8"	269X6X6	----
18235	00069-0608	69A-6D	----	3/8" x 1/2"	69F-68	----
18235B*			----	3/8" x 1/2"	269X6X8	----
	00089-0610			3/8" x 5/8"	69S-610**	----
18248	00069-0612		----	3/8" x 3/4"	69F-612	----
18248B*		69A-6E	----	3/8" x 3/4"	269X6X12	----
18247	00069-0704	69A-7B	----	7/16" x 1/4"	69F-74	----
	00069-0706			7/16" x 3/8"	69F-76	----
18236	00069-0804	69A-8B	----	1/2" x 1/4"	69F-84	----
18236B*			----	1/2" x 1/4"	269X8X4	----
18237	00069-0806		----	1/2" x 3/8"	69F-86	----
18237B*		69A-8C	----	1/2" x 3/8"	269X8	----
18238	00069-0808		----	1/2" x 1/2"	69F-88	----
18238B*		69A-8D	----	1/2" x 1/2"	269X8X8	----
18239	00069-0812	69A-8E	----	1/2" x 3/4"	69F-812	----
18240	00069-1006	69A-10C	----	5/8" x 3/8"	69F-106	----
				5/8" x 3/8"	269X10X6	----

(Continued On Next Page)

69 269C BSE1 169C

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BRASS

COMPRESSION

BRASS FITTINGS

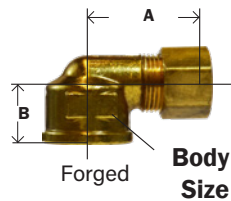
MALE ELBOW-CONTINUED

SAE# 060202

MIDLAND	AMC	CHAMPION	LIST	COMP. X MALE NPTF	MAF #	MAF PRICE
18241	00069-1008		----	5/8" x 1/2"	69F-108	----
18241B*		69A-10D	----	5/8" x 1/2"	269X10	----
18242	00069-1012	69A-10E	----	5/8" x 3/4"	69F-1012	----
18243	00069-1208	69A-12D	----	3/4" x 1/2"	69F-128	----
18245	00069-1212	69A-12E	----	3/4" x 3/4"	69F-1212	----
	00069-1408			7/8" x 1/2"	69F-148	----
18246	00069-1412	69A-14E	----	7/8" x 3/4"	69F-1412	----

FEMALE ELBOW

SAE# 060203



Barstock

70

* Barstock

** Drop ear elbow

MIDLAND	AMC	CHAMPION	LIST	COMP. X FEMALE NPTF	MAF #	MAF PRICE
18251	00070-0202		----	1/8" x 1/8"	70F-22	----
18251B*		70A-2A	----	1/8" x 1/8"	270X2*	----
18252	00070-0302		----	3/16" x 1/8"	70F-32	----
18252B*		70A-3A	----	3/16" x 1/8"	270X3*	----
18253	00070-0402	70A-4A	----	1/4" x 1/8"	70F-42	----
18253B*			----	1/4" x 1/8"	270X4*	----
18254	00070-0404	70A-4B	----	1/4" x 1/4"	70F-44	----
18254B*			----	1/4" x 1/4"	270X4X4*	----
18267	00070-0406	70A-4C	----	1/4" x 3/8"	70F-46	----
18268	00070-0408		----	1/4" x 1/2"	70F-48	----
18255	00070-0502	70A-5A	----	5/16" x 1/8"	70F-52	----
18256	00070-0504		----	5/16" x 1/4"	70F-54	----
18257	00070-0602	70A-6A	----	3/8" x 1/8"	70F-62	----
18258	00070-0604	70A-6B	----	3/8" x 1/4"	70F-64	----
				3/8" x 1/4"	270X6*	----
18259	00070-0606	70A-6C	----	3/8" x 3/8"	70F-66	----
18260	00070-0608	70A-6D	----	3/8" x 1/2"	70F-68	----
18250	00070-0612		----	3/8" x 3/4"	70F-612	----
18261	00070-0804	70A-8B	----	1/2" x 1/4"	70F-84	----
18262	00070-0806	70A-8C	----	1/2" x 3/8"	70F-86	----
18262B				1/2" x 3/8"	270X8*	----
18263	00070-0808	70A-8D	----	1/2" x 1/2"	70F-88	----
18270	00070-0812	70A-8E	----	1/2" x 3/4"	70F-812	----
18269	00070-1006	70A-10C	----	5/8" x 3/8"	70F-106	----
18264	00070-1008	70A-10D	----	5/8" x 1/2"	70F-108	----
				5/8" x 1/2"	270X10	----
				5/8" x 1/2"	70DE-108**	----
18265	00070-1012	70A-10E	----	5/8" x 3/4"	70F-1012	----
18266	00070-1208	70A-12D	----	3/4" x 1/2"	70F-128	----
		70A-12E		3/4" x 3/4"		

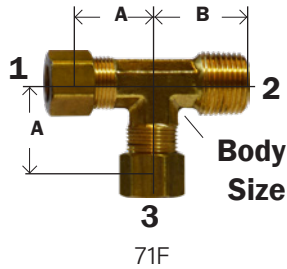
70 270C BSE3 170C

COMPRESSION

BRASS FITTINGS

FORGED MALE RUN TEE

SAE# 060424BA



71
00071

* Barstock

MIDLAND	AMC	CHAMPION	LIST	COMP. X MALE NPTF (1&3) X 2	MAF #	MAF PRICE
18272	00071-0202	71A-2A	----	1/8" x 1/8"	71F-22	----
				1/8" x 1/8"	271X2*	----
18273	00071-0302		----	3/16" x 1/8"	71F-32	----
18273B*		71A-3A	----	3/16" x 1/8"	271X3*	----
18274	00071-0402	71A-4A	----	1/4" x 1/8"	71F-42	----
18274B*			----	1/4" x 1/8"	271X4*	----
18275	00071-0404	71A-4B	----	1/4" x 1/4"	71F-44	----
18276	00071-0502	71A-5A	----	5/16" x 1/8"	71F-52	----
				5/16" x 1/8"	271X5*	----
18277	00071-0504	71A-5B	----	5/16" x 1/4"	71F-54	----
18278	00071-0602	71A-6A	----	3/8" x 1/8"	71F-62	----
18279	00071-0604	71A-6B	----	3/8" x 1/4"	71F-64*	----
18279B				3/8" x 1/4"	271X6*	----
18280	00071-0606	71A-6C	----	3/8" x 3/8"	71F-66	----
18281	00071-0806	71A-8C	----	1/2" x 3/8"	71F-86	----
18282	00071-0808	71A-10D	----	1/2" x 1/2"	71F-88	----
18283	00071-1008	71A-10D	----	5/8" x 1/2"	71F-108	----
18284	00071-1208	71A-12D	----	3/4" x 1/2"	71F-128	----
	00071-1212			3/4" x 3/4"	71F-1212	----

71 171C BST3

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BRASS

COMPRESSION

BRASS FITTINGS

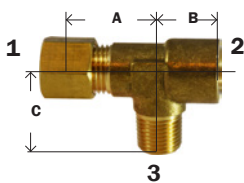
MALE BRANCH TEE

SAE# 060425

72
00072

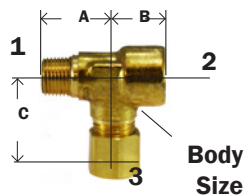
MIDLAND	AMC	CHAMPION	LIST	COMP. X MALE NPTF (1&2) X 3	MAF #	MAF PRICE
18289	00072-0202	72A-22	----	1/8" x 1/8"	72F-22	----
18289B				1/8" x 1/8"	272X2*	----
18290	00072-0302	72A-3A	----	3/16" x 1/8"	272X3	----
18291	00072-0402	72A-4A	----	1/4" x 1/8"	72F-42	----
18291B*			----	1/4" x 1/8"	272X4*	----
18292	00072-0404		----	1/4" x 1/4"	72F-44	----
18292B		72A-4B		1/4" x 1/4"	272X4X4*	----
18293	00072-0502	72A-5A	----	5/16" x 1/8"	72F-52	----
18294	00072-0504	72A-5B	----	5/16" x 1/4"	72F-54	----
18294B				5/16" x 1/4"	272X5*	----
18295	00072-0602	72A-6A	----	3/8" x 1/8"	72F-62	----
18296	00072-0604	72A-6B	----	3/8" x 1/4"	72F-64	----
18296B				3/8" x 1/4"	272X6*	----
18297	00072-0606	72A-6C	----	3/8" x 3/8"	72F-66	----
18298	00072-0608		----	3/8" x 1/2"	72F-68	----
18304	00072-0804		----	1/2" x 1/4"	72F-84	----
18299B*			----	1/2" x 3/8"	272X8*	----
18299	00072-0806	72A-8C	----	1/2" x 3/8"	72F-86	----
18300	00072-0808	72A-8D	----	1/2" x 1/2"	72F-88	----
18301	00072-1008	72A-10D	----	5/8" x 1/2"	72F-108	----
18302	00072-1208	72A-12D	----	3/4" x 1/2"	72F-128	----
18303	00072-1212	72A-12E	----	3/4" x 3/4"	72F-1212	----

* Barstock

72 **BST1** 172C**TEE - COMP X FIP X MIP**

* Barstock

MIDLAND	AMC	CHAMPION	LIST	COMP. X FEMALE NPTF X MALE NPTF 1X(2&3)	MAF #	MAF PRICE
				1/4" x 1/8"	273X4*	----
				3/8" x 1/4"	273X6*	----
18307	00075-040202		----	1/4" x 1/8"	75F-42	----

75
273 BARSTOCK
00075**BST3****ADAPTER TEE & GAUGE TEE*** Barstock
** Gauge tee

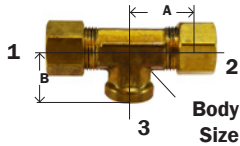
MIDLAND	AMC	CHAMPION	LIST	MALE NPTF X FEMALE NPTF X COMP. 3 X (1&2)	MAF #	MAF PRICE
	00076-0202			1/8" x 1/8"	276X2*	----
	00076-0302			3/16" x 1/8"	276X3*	----
18314	00076-0402	76A-4A	----	1/4" x 1/8"	76F-42	----
		76A-4B		1/4" x 1/8"	276X4*	----
				5/16" x 1/4"	2905X4**	----
18316	00076-0604	76A-6B	----	3/8" x 1/4"	76F-64	----

76
0007676 **176C**

COMPRESSION

BRASS FITTINGS

FEMALE BRANCH FORGED TEE



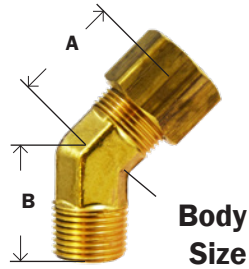
78
00078

MIDLAND	AMC	CHAMPION	LIST	COMP. X FEMALE NPTF (1&2)X3	MAF #	MAF PRICE
18321	00078-0402	77A-4A	----	1/4" x 1/8"	78-42	----
18328	00078-0404		----	1/4" x 1/4"	78-44	----
18325	00078-0602		----	3/8" x 1/8"	78-62	----
18322	00078-0604		----	3/8" x 1/4"	78-64	----
18323	00078-0606		----	3/8" x 3/8"	78-66	----
18326	00078-0802		----	1/2" x 1/8"	78-82	----
18324	00078-0806		----	1/2" x 3/8"	78-86	----
18327	00078-1002		----	5/8" x 1/8"	78-102	----

78 **BST4 77 177C 2908**

45° ELBOW

SAE# 060302



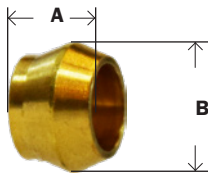
6945
00095

* Barstock

MIDLAND	AMC	CHAMPION	LIST	COMP. X MALE NPTF	MAF #	MAF PRICE
18329	00095-0302	6945A-3A	----	3/16" x 1/8"	6945F-32	----
18330	00095-0402	6945A-4A	----	1/4" x 1/8"	6945F-42	----
18330B				1/4" x 1/8"	273X4*	----
18336	00095-0404	6945A-4B	----	1/4" x 1/4"	6945F-44	----
18331	00095-0502	6945A-5A	----	5/16" x 1/8"	6945F-52	----
18332	00095-0504	6945A-5B	----	5/16" x 1/4"	6945F-54	----
18333	00095-0604	6945A-6B	----	3/8" x 1/4"	6945F-64	----
18333B				3/8" x 1/4"	273X6*	----
18338	00095-0606	6945A-6C	----	3/8" x 3/8"	6945F-66	----
18334	00095-0806	6945A-8C	----	1/2" x 3/8"	6945F-86	----
18339	00095-0808	6945A-8D	----	1/2" x 1/2"	6945F-88	----
18335	00095-1008	6945A-10D	----	5/8" x 1/2"	6945F-108	----

6945 **45BSE1 74 179C 273 77**

COMPRESSION PLUG

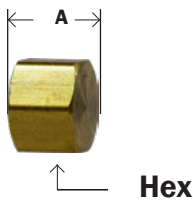


60CP
60CSP
00039

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
18028	00039-04		----	1/4"	60CSP-4	----
18029	00039-06		----	3/8"	60CSP-6	----
18032			----	5/16"	60CSP-5	----
18030	00039-08		----	1/2"	60CSP-8	----
18031	00039-10		----	5/8"	60CSP-10	----

CSP

CAP



61CC
61CX
00081

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				1/8"	61CC-2	----
				3/16"	61CC-3	----
18047	00081-04	N5CT-4	----	1/4"	61CC-4	----
18048	00081-06	N5CT-6	----	3/8"	61CC-6	----
18049	00081-08	N5CT-8	----	1/2"	61CC-8	----
18050	00081-10	N5CT-10	----	5/8"	61CC-10	----
				3/4"	61CC-12	----

61-CC **N5CT**

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BRASS

COMPRESSION

BRASS FITTINGS

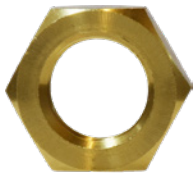
BULKHEAD UNIONS

SAE# 060101

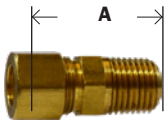
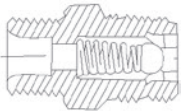
62BH
00083

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				3/16"	62BH-3	----
18088	00083-04	62BH-4	----	1/4"	62BH-4	----
				5/16"	62BH-5	----
18090	00083-06	62BH-6	----	3/8"	62BH-6	----
18093	00083-10		----	1/2"	62BH-8	----
				5/8"	62BH-10	----

62BH 75 274

BULKHEAD LOCKNUT

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
				1/8"	61LN-2	----
				3/16"	61LN-3	----
				1/4"	61LN-4	----
				5/16"	61LN-5	----
				3/8"	61LN-6	----
				1/2"	61LN-8	----
				5/8"	61LN-10	----

BALL CHECK VALVE - MIN. WORKING PRESSURE 3 PSI.

Hex

63
00063

MIDLAND	AMC	CHAMPION	LIST	TUBE OD X MALE NPTF	MAF #	MAF PRICE
18092	00063-0202	63A-2A	----	1/8" x 1/8"	63-22	----
18093	00063-0302		----	3/16" x 1/8"	63-32	----
18094	00063-0402	63A-4A	----	1/4" x 1/8"	63-42	----
18095	00063-0502			5/16" x 1/8"	63-52	----
18096	00063-0604	63A-6B	----	3/8" x 1/4"	63-64	----

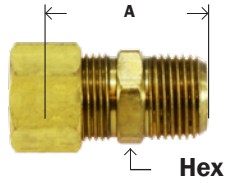
63 263 63A

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

COMPRESSION

BRASS FITTINGS

TANK ADAPTER DRILLED THRU (NO STOP)



68T
00088

MIDLAND	AMC	CHAMPION	LIST	COMP. X MALE NPTF	MAF #	MAF PRICE
				1/8" x 1/8"	68T-22	----
	00088-0302			3/16" x 1/8"	68T-32	----
				3/16" x 1/4"	68T-34	----
18208	00088-0402	68ATS-4A	----	1/4" x 1/8"	68T-42	----
18209	00088-0404	68ATS-4B	----	1/4" x 1/4"	68T-44	----
				1/4" x 3/8"	68T-46	----
				1/4" x 1/2"	68T-48	----
				5/16" x 1/4"	68T-54	----
				5/16" x 3/8"	68T-56	----
18210	00088-0604	68ATS-6B	----	3/8" x 1/4"	68T-64	----
18211	00088-0606	68ATS-6C	----	3/8" x 3/8"	68T-66	----
18212	00088-0608		----	3/8" x 1/2"	68T-68	----
				7/16" x 3/8"	68T-76	----
18213	00088-0806	68ATS-8C	----	1/2" x 3/8"	68T-86	----
18214	00088-0808	68ATS-8D	----	1/2" x 1/2"	68T-88	----
18215	00088-1008		----	5/8" x 1/2"	68T-108	----
	00088-1012			5/8" x 3/4"	68T-1012	----
				3/4" x 3/4"	68T-1212	----
				7/8" x 1"	68T-1416	----

68-T 682C 80F

COMP X FLARE

MIDLAND	AMC	CHAMPION	LIST	COMP X FLARE	MAF #	MAF PRICE
				1/4" x 1/4"	6242CF-44	----
				1/4" x 3/8"	6242CF-46	----
				3/8" x 3/8"	6242CF-66	----
				3/8" x 1/2"	6242CF-68	----
				1/2" x 1/2"	6242CF-88	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

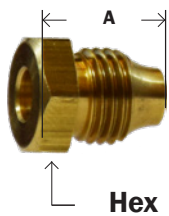
DOUBLE COMPRESSION

BRASS FITTINGS

DOUBLE COMPRESSION THREADED SLEEVE FITTINGS

- Use with aluminum and copper tubing or plastic tubing with internal tube support. Not recommended for steel tubing.
- Easy to assemble, no flaring, two piece construction.
- For use on oil, air, water and grease lubrication systems.
- When design makes a dimension critical, contact us for information.

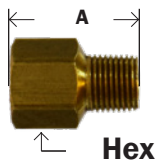
Tube OD	1/8	3/16	1/4	5/16	3/8
Thread	5/16-24	3/8-24	7/16-24	1/2-20	9/16-20
Working Pressure	500	500	500	250	250

NUT

181

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
16001	00881-02	181A-2	----	1/8"	26100X2	----
16002	00881-03	181A-3	----	3/16"	26100X3	----
16003	00881-04	181A-4	----	1/4"	26100X4	----
16004	00881-05	181A-5	----	5/16"	26100X5	----
16005	00881-06		----	3/8"	26100X6	----
16006	00881-08		----	1/2"	26100X8	----
16007	00881-10		----	5/8"	26100X10	----

181 6100 11

MALE ADAPTER

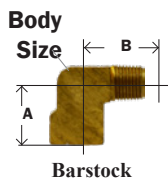
188

26200

* 1/4 - 28 Male Thread Tapered.

MIDLAND	AMC	CHAMPION	LIST	THRD SLEEVE X MALE NPTF	MAF #	MAF PRICE
16117			----	1/8" x *	26200X2X21	----
16118	00888-0202	188A-2A	----	1/8" x 1/8"	26200X2	----
16119	00888-0302	188A-3A	----	3/16" x 1/8"	26200X3	----
16121	00888-0402	188A-4A	----	1/4" x 1/8"	26200X4	----
16120	00888-0404		----	1/4" x 1/4"	26200X4X4	----
16122	00888-0502	188A-5A	----	5/16" x 1/8"	26200X5	----
16125	00888-0504		----	5/16" x 1/4"	26200X5X4	----
16123	00888-0604		----	3/8" x 1/4"	26200X6	----

188 6200 12

90° ELBOW

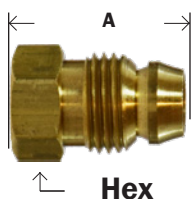
189

26400

* 1/4 - 28 Male Thread Tapered

MIDLAND	AMC	CHAMPION	LIST	THRD SLEEVE X MALE NPTF	MAF #	MAF PRICE
16127			----	1/8" x *	26400X2X21	----
16128	00889-0202	189A-2A	----	1/8" x 1/8"	26400X2	----
16129	00889-0302	189A-3A	----	3/16" x 1/8"	26400X3	----
16130	00889-0402	189A-4A	----	1/4" x 1/8"	26400X4	----
16131	00889-0502		----	5/16" x 1/8"	26400X5	----
16133	00889-0604		----	3/8" x 1/4"	26400X6	----

189 6400 15

BREAK-AWAY NUT181SP
21604

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
16009	00880-02		----	1/8"	26104X2	----
16090	00880-03		----	3/16"	26104X3	----
16010	00880-04	81LB-4	----	1/4"	26104X4	----
16011			----	5/16"	26104X5	----
16012	00880-06		----	3/8"	26104X6	----

181-BA 21604 99LB 81LB

SPLIT SLEEVE FITTINGS

BRASS FITTINGS

BRASS SPLIT SLEEVE D.O.T. FITTINGS (5/32 O.D.)

TRANSMISSION BRASS FITTINGS

APPLICATIONS: Used with SAE J844 Type A nylon tube in pressure protected air transmission applications.
 TECHNICAL DATA: Maximum working pressure up to 150 PSI. Fittings will withstand variations from -40°F to +220°F (-40°C to + 104°C)

Ideally suited for use in passive protected air transmission applications. A specially designed slotted sleeve helps eliminate notch stress related to over torque. **25 prefix parts do not have a stake, use 38 part # with white sealant only.**

COLLET



MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38711	00840-53	60TF-2.5	----	5/32"	280X50	----
25001		60TF-2	----	1/8"	280X2	----
25002		60TF-3	----	3/16"	280X3	----
25003			----	1/4"	280X4	----

1460 90791 280 90946

NUT



MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38732		61TF-2.5	----	5/32"	281X50	----
25033		61TF-2	----	1/8"	281X2	----
					281X3	----
					281X4	----

1461 90790 281 90885

DOUBLE END UNION



MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38761		62TF-2.5	----	5/32"	283X50S	----
25062		62TF-2	----	1/8"	283X2	----
25064				1/4"	283X4	----

1462 90792 283 90891

CONNECTOR WITH NUT AND SLEEVE



MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38769		68TF-2.5X	----	5/32" x 1/6"	282X51S	----
38770	00848-5302	68TF-2.5A	----	5/32" x 1/8"	282X52S	----
25175		68TF-2X	----	1/8" x 1/16"	282X2X1N	----
25176		68TF-2A	----	1/8" x 1/8"	282X2N	----
25177				3/16" x 1/8"	282X3	----
25179				1/4" x 1/8"	282X4	----

• Shipped with nut and split sleeve, picture shows insert

1468 90794 282 90985

ELBOW



MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38715		69TF-2X	----	5/32"	284X51SN	----
38718	00849-5302	69TF-2.5A	----	5/32"	284X52S	----
25219	00849-0202	69TF-2A	----	1/8"	284X2	----
25220			----	1/8"	284X2X1N	----
25221			----	3/16"	284X3	----
25224			----	1/4"	284X4	----

284

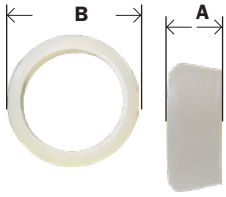
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

SPECIAL COMPRESSION ASSEMBLIES**BRASS FITTINGS**

To purchase special compression assemblies, delete the 18 prefix on part# and add the prefix of the type of special assembly you desire. Pricing and availability upon request.

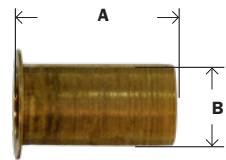
22 - Plastic sleeve (inserts should be ordered separately) | 24 - Long nut compression | 26 - Captive sleeve (parts listed on following pages) | 27 - Self align sleeve

DELTRIN SLEEVE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
18015	00560-04	60AP-4	----	1/4"	60P-4	----
18016	00560-05	60AP-5	----	5/16"	60P-5	----
18017	00560-06	60AP-6	----	3/8"	60P-6	----
18018	00560-08	60AP-8	----	1/2"	60P-8	----
18019	00560-10	60AP-10	----	5/8"	60P-10	----

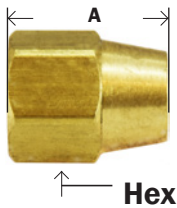
60P

60-P

BRASS INSERT**• SLEEVE**61P
63P

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
22008	00561-02	60AE-2	----	1/8"	63P-2	----
22008A			----	1/8"	295X2	----
22009	00561-03	60AE-3	----	3/16"	63P-3	----
22009A			----	3/16"	295X3	----
22010	00561-04	60AE-4	----	1/4"	63P-4	----
22010A			----	1/4"		
22010B			----	1/4"		
22011A			----	5/16"	295X5	----
22011	00561-05	60AE-5	----	5/16"	63P-5	----
22012	00561-06	60AE-6	----	3/8"	63P-6	----
22013	00561-08	60AE-8	----	1/2"	63P-8	----
22014	00561-10	60AE-10	----	5/8"	63P-10	----
22015	00561-12	60AE-12	----	3/4"	63P-12	----

63-BI 60AE 2030 63PT

LONG NUT COMPRESSION - CAN BE ASSEMBLED ON ANY COMPRESSION FITTING

161

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
10013	04014-02	N1-2	----	1/8"	21110X2	----
24002	00161-03	161A-3	----	3/16"		
24003	00161-04	161A-4	----	1/4"	21611-4	----
24004	00161-05	161A-5	----	5/16"	21611X5	----
24005	00161-06	161A-6	----	3/8"	21611X6	----
24006	00161-08	161A-8	----	1/2"	21611X8	----
24007	00161-10	161A-10	----	5/8"	21611X10	----
24008	00161-12	161A-12	----	3/4"	21611X12	----

161

SELF-ALIGN SLEEVES

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
27001	00260-02	60SA-2	----	1/8"	260-2M	----
27002	00260-03	60SA-3	----	3/16"	260-3M	----
27003	00260-04	60SA-4	----	1/4"	260-4M	----
27005	00260-06	60SA-6	----	3/8"	260X6M	----
27006	00260-08	60SA-8	----	1/2"	260-8M	----

• More sizes available online

860 601

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CAPTIVE SLEEVE COMPRESSION

BRASS FITTINGS

CAPTIVE SLEEVE NUT



61SA
61CS

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
26001	00261-02	961A-2	----	1/8"	261CAX2	----
26002	00261-03	961A-3	----	3/16"	261CAX3	----
26003	00261-04	961A-4	----	1/4"	261CAX4	----
26004	00261-05	961A-5	----	5/16"	261CAX5	----
26005	00261-06	961A-6	----	3/8"	261CAX6	----
26007	00261-08	961A-8	----	1/2"	261CAX8	----
26008	00261-10	961A-10	----	5/8"	261CAX10	----
	00261-12	961A-12		3/4"		
	00261-14	961A-14		7/8"		

CS61 61CA

UNION

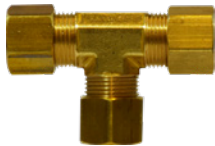


62SA

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
26062	00262-02	962A-22	----	1/8"	62CS-2	----
26063	00262-03	962A-33	----	3/16"	62CS-3	----
26064	00262-04	962A-44	----	1/4"	62CS-4	----
26065	00262-05	962A-55	----	5/16"	62CS-5	----
26066	00262-06	962A-66	----	3/8"	62CS-6	----
26079	00282-0604	962A-64	----	3/8" x 1/4"	62CS-64	----
26068	00262-08	962A-88	----	1/2"	62CS-8	----
26069	00262-10	962A-1010	----	5/8"	62CS-10	----

CS62 62CA

TEE



64SA

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
	00264-02	964A-22				
26102	00264-03	964A-33	----	3/16"	64FCS-3	----
26103	00264-04	964A-44	----	1/4"	64FCS-4	----
26105	00264-06	964A-66	----	3/8"	64FCS-6	----
	00264-08	964A-88				

CS64 164CA

FEMALE ADAPTER



66SA

MIDLAND	AMC	CHAMPION	LIST	COMP. X FEMALE NPTF	MAF #	MAF PRICE
26142	00266-0202	966A-2A	----	1/8" x 1/8"		
26145	00266-0402	966A-4A	----	1/4" x 1/8"		
26146	00266-0404	966A-4B	----	1/4" x 1/4"		
26153	00266-0604	966A-6B	----	3/8" x 1/4"		
	00266-0606	966A-6C		3/8" x 3/8"		
	00266-0608	966A-6D		3/8" x 1/2"		
	00266-0806	966A-8C		1/2" x 3/8"		
	00266-0808	966A-8D		1/2" x 1/2"		
	00266-1008	966A-10D		5/8" x 1/2"		

CS66 66CA

Any compression fitting can be used for captive sleeve by simply changing out the nuts.



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BRASS

CAPTIVE SLEEVE COMPRESSION

BRASS FITTINGS

MALE ADAPTER

68SA

MIDLAND	AMC	CHAMPION	LIST	COMP. X MALE NPTF	MAF #	MAF PRICE
26175		968A-2X	----	1/8" x 1/16"	68CS-21	----
26176	00268-0202	968A-2A	----	1/8" x 1/8"	68CS-22	----
26177	00268-0302	968A-3A	----	3/16" x 1/8"	68CS-32	----
26178	00268-0304	968A-3B	----	3/16" x 1/4"	68CS-34	----
26179	00268-0402	968A-4A	----	1/4" x 1/8"	68CS-42	----
26180		968A-4B	----	1/4" x 1/4"	268CS-44	----
26180L	00268-0404		----	1/4" x 1/4"	68CS-44	----
26181	00268-0406	968A-4C	----	1/4" x 3/8"	68CS-46	----
26182	00268-0408	968A-4D	----	1/4" x 1/2"	68CS-48	----
26183	00268-0502	968A-5A	----	5/16" x 1/8"	68CS-52	----
26184	00268-0504	968A-5B	----	5/16" x 1/4"	68CS-54	----
26188	00268-0604	968A-6B	----	3/8" x 1/4"	68CS-64	----
26189	00268-0606	968A-6C	----	3/8" x 3/8"	68CS-66	----
26190	00268-0608	968A-6D	----	3/8" x 1/2"	68CS-68	----
26193	00268-0804	968A-8B	----	1/2" x 1/4"	68CS-84	----
26194	00268-0806	968A-8C	----	1/2" x 3/8"	68CS-86	----
26195	00268-0808	968A-8D	----	1/2" x 1/2"	68CS-88	----
26198	00268-1008	968A-10D	----	5/8" x 1/2"	68CS-108	----
	00268-1212	968A-12E		3/4" x 3/4"		
	00268-1412	968A-14E		7/8" x 3/4"		

CS68 68CA

MALE ELBOW

69SA

MIDLAND	AMC	CHAMPION	LIST	COMP. X MALE NPTF	MAF #	MAF PRICE
26220	00269-0202	969A-2A	----	1/8" x 1/8"	69FCS-22	----
26220B			----	1/8" x 1/8"	269CS-22	----
26221B			----	3/16" x 1/8"	269CS-32	----
26221	00269-0302	969A-3A	----	3/16" x 1/8"	69FCS-32	----
26223	00269-0304		----	3/16" x 1/4"	69FCS-34	----
26224B			----	1/4" x 1/8"	269CS-42	----
26224	00269-0402	969A-4A	----	1/4" x 1/8"	69FCS-42	----
26225	00269-0404	969A-4B	----	1/4" x 1/4"	69FCS-44	----
26225B			----	1/4" x 1/4"	269CS-44	----
26226	00269-0406		----	1/4" x 3/8"	69FCS-46	----
26228	00269-0502	969A-5A	----	5/16" x 1/8"	69FCS-52	----
26229	00269-0504	969A-5B	----	5/16" x 1/4"	69FCS-54	----
26232	00269-0602	969A-6A	----	3/8" x 1/8"	69FCS-62	----
26233	00269-0604	969A-6B	----	3/8" x 1/4"	69FCS-64	----
26233B			----	3/8" x 1/4"	269CS-64	----
26234	00269-0606	969A-6C	----	3/8" x 3/8"	69FCS-66	----
26235	00269-0608		----	3/8" x 1/2"	69FCS-68	----
26237	00269-0806	969A-8C	----	1/2" x 3/8"	69FCS-86	----
26238	00269-0808	969A-8D	----	1/2" x 1/2"	69FCS-88	----
	00269-1008	969A-10D		5/8" x 1/2"		
	00269-1212	969A-12E		3/4" x 3/4"		

CS69 169CA

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



CAPTIVE SLEEVE COMPRESSION

BRASS FITTINGS

MALE BRANCH TEE



72SA

MIDLAND	AMC	CHAMPION	LIST	COMP. X MALE NPTF (1&2) X 3	MAF #	MAF PRICE
26291	00272-0402	972A-4A	----	1/4" x 1/8"	72FCS-42	----
26292	00272-0404	972A-4B	----	1/4" x 1/4"	72FCS-44	----
26293	00272-0502		----	5/16" x 1/8"	72FCS-52	----
26296	00272-0604	972A-6B	----	3/8" x 1/4"	72FCS-64	----

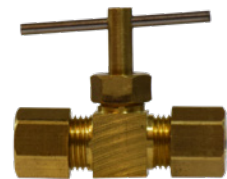
CS72 172CA

CAPTIVE SLEEVE X MALE PIPE ANGLE NEEDLE VALVE



MIDLAND	AMC	CHAMPION	LIST	COMP X MALE PIPE	MAF #	MAF PRICE
26011	09603-0402		----	1/4" x 1/8"	103CCS	----
26014	09603-0504		----	5/16" x 1/4"	1102CCS	----

CAPTIVE SLEEVE X CAPTIVE SLEEVE NEEDLE VALVE



MIDLAND	AMC	CHAMPION	LIST	COMP X COMP	MAF #	MAF PRICE
26021	09606-04		----	1/4"	106CCS	----
26023	09606-06		----	3/8"	113CCS	----

Interchangeable with compress-align fittings.

These are NOT Lead Free

- More sizes available
- Lead Free - add LF to part #

Lead Free products
available upon request

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BRASS

FLARELESS BRASS FITTINGS

Flareless FITTINGS

Flareless Brass Tube Fittings are Interchangeable with Poly-Flo®, Poly-Tite® and Poly-Line® and Poly-Fit®



Built-in SS
Tube Support

Tube O.D.	1/8	3/16	1/4	5/16	3/8	1/2
Thread Size-B	5/16-24	3/8-24	3/8-24	7/16-24	1/2-24	1 1/16-20

•Typical Application

Pneumatic instrumentation circuits, lubricant and cooling lines.

•Working Pressure and Temperature Ranges

Up to 150 PSI from 0°F to + 150°F with thermoplastic tubing. Up to 300 PSI from 0°F to + 175°F with soft metal tubing.

•Maximum allowable metal tube wall thickness for use with Poly-Tite fittings:

1/8", 3/16" O.D. --no limitation,
1/4" O.D.--.035 5/16", 3/8", 1/2" O.D.--.049

•Vibration

Excellent Resistance.

•Temperature Range

Depends on tubing used. -65°F to +250°F (-53°C to +121°C) with brass sleeve, -40°F to +150°F (-40°C to +66°C) with plastic sleeve. (Refer to tubing temperature range.)

•Used With

Aluminum & copper tubing. Hard plastic tubing requires brass sleeve. Not recommended for steel tubing.

• Tolerance

+/- .02 on all dimensions. Dimension data can change without notice. Please call us when dimen-

sions are critical.

•Advantages

No flaring of tubing required. Easy installation, captive sleeve, pre-assembled for installation and can be reassembled. Nuts rotate around the sleeve during tightening, preventing twisting of tubing.

•Assembly Instructions

- 1- Cut tubing to desired length.
- 2- Slide nut/sleeve assembly on tube. Threaded end "A" of nut must face toward fitting.
- 3- Bottom tubing into fitting.
- 4- Plastic sleeve - Tighten nut hand tight.
Brass Sleeve - Tighten nut hand tight, then an additional 3/4 turn.

* Note: 1/8 and 3/16 sizes have brass sleeves

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FLARELESS

BRASS FITTINGS

NUT AND PLASTIC SLEEVE ASSEMBLY - WHITE SLEEVE



MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20211	022661-04	261PF-4	----	1/4"	MP61P-4	----
20212	022661-05	261PF-5	----	5/16"	MP61P-5	----
20213	022661-06	261PF-6	----	3/8"	MP61P-6	----

261PF 1261 61PN

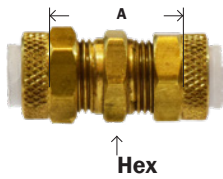
MP61P
261PF

NUT AND PLASTIC SLEEVE ASSEMBLY - BLACK SLEEVE



MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
				1/4"	MP61P-4BLK	----
				5/16"	MP61P-5BLK	----
				3/8"	MP61P-6BLK	----
				1/2"	MP61P-8BLK	----

NUT/BLACK SLEEVE ASSEMBLY

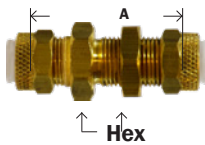


MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20240	02662-02	262PF-2	----	1/8"	MP62-2	----
20241	02662-03	262PF-3	----	3/16"	MP62-3	----
20242	02662-04	262PF-4	----	1/4"	MP62-4	----
20243	02662-05	262PF-5	----	5/16"	MP62-5	----
20244	02662-06	262PF-6	----	3/8"	MP62-6	----
20200	02656-0604	256PF-64	----	3/8" x 1/4"	MP56-64	----
20245	02662-08	262PF-8	----	1/2"	MP62-8	----
				1/2" x 3/8"	MP56-86	----

262PF 1262 62P 262P

MP62
262PF

BULKHEAD UNION

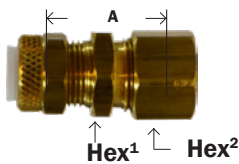


MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20337	02682-04	282PF-4	----	1/4"	MP82-4	----
20338	02682-05	282PF-5	----	5/16"	MP82-5	----
20339	02682-06	282PF-6	----	3/8"	MP82-6	----
	02682-08	282PF-8		1/2"	MP82-8	----

62PBH 329P 282P

MP82
282PF

UNION TUBE #M62C - FLARELESS X STANDARD COMPRESSION



MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20235	02642-04		----	1/4"	MP62C-4	----
				5/16"	MP62C-5	----
20237	02642-06		----	3/8"	MP62C-6	----

MP62C
262PFC

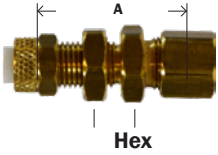
262S 62PCA 262PC

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BRASS

FLARELESS

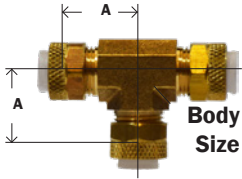
BRASS FITTINGS

BULKHEAD UNION - FLARELESS X COMPRESSION

MP827
282PFC

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20333	02648-04			1/4"	MP82C-4	----
20334	02648-06			3/8"	MP82C-6	----

1274

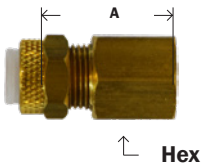
UNION TEE

* Reducing Branch

MP6A
264PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20248	02664-02	264PF-2		1/8"	MP64-2	----
20249				3/16"	MP64-3	----
20250	02664-04	264PF-4		1/4"	MP64-4	----
20251	02664-05	264PF-5		5/16"	MP64-5	----
20252	02664-06	264PF-6		3/8"	MP64-6	----
20330*	02679-0604	264PF-664		3/8" x 1/4"	MP79-64	----
20253	02664-08	264PF-8		1/2"	MP64-8	----

1264 164P 264P

FEMALE CONNECTOR

MP66
266PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X FEMALE NPTF	MAF #	MAF PRICE
20256	02666-0202	266PF-2A		1/8" x 1/8"	MP66-22	----
20257	02666-0302			3/16" x 1/8"	MP66-32	----
				3/16" x 1/4"	MP66-34	----
20259	02666-0402	266PF-4A		1/4" x 1/8"	MP66-42	----
20260	02666-0404	266PF-4B		1/4" x 1/4"	MP66-44	----
20261	02666-0502	266PF-5A		5/16" x 1/8"	MP66-52	----
				5/16" x 1/4"	MP66-54	----
20265	02666-0602			3/8" x 1/8"	MP66-62	----
20262	02666-0604	266PF-6B		3/8" x 1/4"	MP66-64	----
20263	02666-0806	266PF-8C		1/2" x 3/8"	MP66-86	----
				1/2" x 1/2"	MP66-88	----

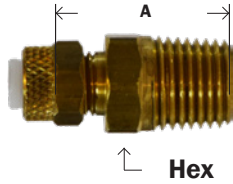
1266 66P 266P

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FLARELESS

BRASS FITTINGS

MALE CONNECTOR

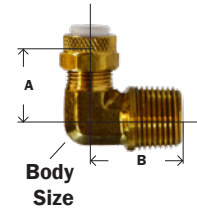


MP68
268PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
		268PF-2X1032		1/8" x 10/32"	MP68-20	----
				1/8" x 1/16"	MP68-21	----
20268	02668-0202	268PF-2A		1/8" x 1/8"	MP68-22	----
20269	02668-0302	268PF-3A		3/16" x 1/8"	MP68-32	----
20270	02668-0400	268PF-4X1032		1/4" x 10/32"	MP68-40	----
	02668-0401			1/4" x 1/16"	MP68-41	----
20271	02668-0402	268PF-4A		1/4" x 1/8"	MP68-42	----
20272	02668-0404	268PF-4B		1/4" x 1/4"	MP68-44	----
20273	02668-0406	268PF-4C		1/4" x 3/8"	MP68-46	----
				1/4" x 1/2"	MP68-48	----
20274	02668-0502	268PF-5A		5/16" x 1/8"	MP68-52	----
20275	02668-0504	268PF-5B		5/16" x 1/4"	MP68-54	----
20276	02668-0602	268PF-6A		3/8" x 1/8"	MP68-62	----
20277	02668-0604	268PF-6B		3/8" x 1/4"	MP68-64	----
20278	02668-0606	268PF-6C		3/8" x 3/8"	MP68-66	----
				3/8" x 1/2"	MP68-68	----
	02668-0804	268PF-8B		1/2" x 1/4"	MP68-84	----
20279	02668-0806	268PF-8C		1/2" x 3/8"	MP68-86	----
20282	02668-0808	268PF-8D		1/2" x 1/2"	MP68-88	----

1268 68P 268P

MALE ELBOW



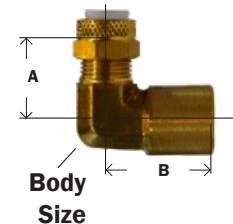
* Barstock

MP69
269PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
				1/8" x 1/16"	MP69-21	----
20287	02669-0202	269PF-2A		1/8" x 1/8"	MP69-22	----
20288	02669-0302	269PF-3A		3/16" x 1/8"	MP69-32	----
20289*	02669-0402	269PF-4A		1/4" x 1/8"	MP69-42	----
20290	02669-0404	269PF-4B		1/4" x 1/4"	MP69-44	----
20291	02669-0406	269PF-4C		1/4" x 3/8"	MP69-46	----
20292	02669-0502	269PF-5A		5/16" x 1/8"	MP69-52	----
20293	02669-0602	269PF-6A		3/8" x 1/8"	MP69-62	----
20294	02669-0604	269PF-6B		3/8" x 1/4"	MP69-64	----
20295	02669-0606	269PF-6C		3/8" x 3/8"	MP69-66	----
20296	02669-0806	269PF-8C		1/2" x 3/8"	MP69-86	----
	02669-0808	269PF-8D		1/2" x 1/2"	MP69-88	----

1269 169P 269P

FEMALE ELBOW



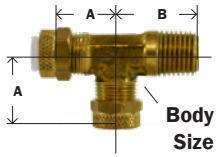
MP70
270PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X FEMALE NPTF	MAF #	MAF PRICE
20300	02670-0202			1/8" x 1/8"	MP70-22	----
20301	02670-0302			3/16" x 1/8"	MP70-32	----
20302	02670-0402	270PF-4A		1/4" x 1/8"	MP70-42	----
20303	02670-0404	270PF-4B		1/4" x 1/4"	MP70-44	----
20304	02670-0604	270PF-6B		3/8" x 1/4"	MP70-64	----
20305	02670-0806	270PF-8C		1/2" x 3/8"	MP70-86	----

1270 170P

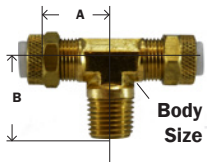
FLARELESS

BRASS FITTINGS

MALE RUN TEEMP71
271PF

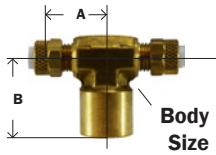
MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
20308	02671-0202			1/8" x 1/8"	MP71-22	----
20309	02671-0302			3/16" x 1/8"	MP71-32	----
20310	02671-0402	271PF-4A		1/4" x 1/8"	MP71-42	----
20311	02671-0404	271PF-4B		1/4" x 1/4"	MP71-44	----
20312	02671-0502			5/16" x 1/8"	MP71-52	----
20313	02671-0604	271PF-6B		3/8" x 1/4"	MP71-64	----
20314	02671-0806	271PF-8C		1/2" x 3/8"	MP71-86	----

1271 171P

MALE BRANCH TEEMP72
272PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
20317	02672-0202	272PF-2A		1/8" x 1/8"	MP72-22	----
20318	02672-0302			3/16" x 1/8"	MP72-32	----
20319	02672-0402	272PF-4A		1/4" x 1/8"	MP72-42	----
20320	02672-0404	272PF-4B		1/4" x 1/4"	MP72-44	----
20321	02672-0502	272PF-5A		5/16" x 1/8"	MP72-52	----
20322	02672-0602	272PF-6A		3/8" x 1/8"	MP72-62	----
20323	02672-0604	272PF-6B		3/8" x 1/4"	MP72-64	----
20324	02672-0806	272PF-8C		1/2" x 3/8"	MP72-86	----

1272 172P 272P

FEMALE BRANCH TEEMP77
277PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X FEMALE NPTF	MAF #	MAF PRICE
20327	02677-0402			1/4" x 1/8"	MP77-42	----
20328	02677-0404	277PF-4B		1/4" x 1/4"	MP77-44	----
	02677-0406	277PF-4C		1/4" x 3/8"	MP77-46	----

1277 177P 277P

UNIVERSAL NUT AND BRASS SLEEVE ASSEMBLYMP61B
261PFB

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20227	02761-02	261PFB-2		1/8"	MP61B-2	----
20228	02761-03	261PFB-3		3/16"	MP61B-3	----
20229	02761-04	261PFB-4		1/4"	MP61B-4	----
20230	02761-05	261PFB-5		5/16"	MP61B-5	----
20231	02761-06	261PFB-6		3/8"	MP61B-6	----
20232	02761-08	261PFB-8		1/2"	MP61B-8	----

261PFB 1261B 61PB 261UB

C/P NUT PLASTIC SLEEVE ASSEMBLY

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
		02621-04		1/4"	MP61PCP-4	----
		02621-06		3/8"	MP61PCP-6	----

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FLARELESS

BRASS FITTINGS

NUT

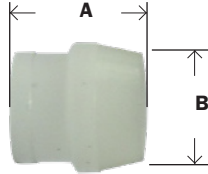


MP61
261PFN

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20218	02961-02	261PFN-2		1/8"	MP61-2	----
20219				3/16"	MP61-3	----
20220	02961-04	261PFN-4		1/4"	MP61-4	----
20221	02961-05	261PFN-5		5/16"	MP61-5	----
20222	02961-06	261PFN-6		3/8"	MP61-6	----
20223	02961-08	261PFN-8		1/2"	MP61-8	----

61PN 1261 261FPN

PLASTIC SLEEVE



MP60
260PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20205	02660-04	260PF-4		1/4"	MP60-4W	----
20206	02660-05	260PF-5		5/16"	MP60-5	----
20207	02660-06	260PF-6		3/8"	MP60-6W	----
20208	02660-08	260PF-8		1/2"	MP60-8	----

260FF 1260 60P 260P

BLACK PLASTIC SLEEVE



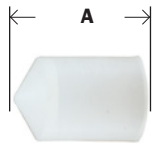
MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
				1/4"	MP60-4BLK	----
				3/8"	MP60-6BLK	----

BRASS SLEEVE ONLY



MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
	02760-02	260PFB-2		1/8"	MP60B-2	----
		260PFB-3		3/16"	MP60B-3	----
	02760-04	260PFB-4		1/4"	MP60B-4	----
	02760-06	260PFB-6		3/8"	MP60B-6	----

PLASTIC CAP



MP59
269PF

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20201	02659-04			1/4"	MP59-4	----
20203	02659-06			3/8"	MP59-6	----
20204	02659-08			1/2"	MP59-8	----

1229 59P 259P

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BRASS

BRASS PUSH-IN FITTINGS

BRASS FITTINGS

PUSH-IN/ PUSH-TO-CONNECT FITTINGS

BRASS PUSH-IN



NICKEL PLATED BRASS PUSH-IN



BALL VALVES FOR N/P PUSH-IN



METRIC N/P BRASS PUSH-IN



COMPOSITE BODY PUSH-IN



COMPOSITE BODY METRIC PUSH-IN



FDA PLASTIC PUSH-IN



DOT BRASS PUSH-IN



DOT COMPOSITE PUSH-IN



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BRASS PUSH-IN FITTINGS

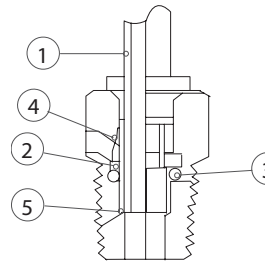
BRASS FITTINGS

BRASS PUSH-IN FITTINGS



ENGINEERING AND DESIGN

- **QUICK CONNECT**, simply push tubing in, no tools. Saves up to 75% of assembly time of standard compression fittings.
- **QUICK DISCONNECT**, hold two fingers on insert and pull tubing out, no tools required.
- **REUSEABLE**, connect and disconnect numerous times.
- **FULL FLOW DESIGN**, provides up to 60% more flow area than conventional fittings with internal tube supports.
- **POSITIVE SEAL**, no leaks. After tubing is inserted, seal is made.
- **VERSATILE**, BunaN "O" rings standard. Other materials of "O" rings available.
- **SECURE TUBE RETENTION**, pulling on tubing only serves to tighten the connection.
- **SELF CONTAINED ASSEMBLY**, no loose parts, brass body and insert.
- **BRASS CONSTRUCTION**, elbows and tees are forged brass.
- **CHOICE** of convenient swivel or economical stationary elbows and tees.
- **STRAIGHT CONNECTORS** have interior hex for Allen key tightening where space is limited...no need to use a wrench.
- **PRE-APPLIED POLYTETRAFLUOROETHYLENE**® based pipe sealant on all male pipe threads, saving customer additional labor.
- **METRIC SIZES AVAILABLE**: Metric tube sizes from 2mm through 12mm in both standard NPT and metric pipe sizes are available on a special order basis.
- **WORKING TEMPERATURE**:
-10°F to 200°F (other ranges available on request).
- **PIPE THREAD**: NPTF with Polytetrafluoroethylene® based sealant pre-applied.



When tubing (1) is inserted into the fitting, it first passes through the gripping teeth (2). Just beyond the gripping teeth is the o-ring (3) which provides the leak proof seal against the OD of the tube. The gripping teeth grab the tube, which

expands the insert. Pulling back on the tube only tightens the grip as the insert moves onto the camming surface (4). Pressure through the tube also serves to tighten the grip. The tube bottoms against a positive tube stop (5) in a cavity providing tube support to prevent leakage.

• Tolerance

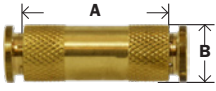
+/- .02 on all dimensions. Dimension data can change without notice. Please call us when dimensions are critical

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BRASS

BRASS PUSH-IN FITTINGS

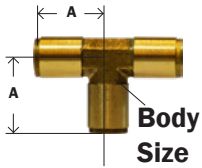
BRASS FITTINGS

UNION CONNECTOR

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20017	02062-02	262PP-2		1/8"	MQ62-2	----
20018	02062-53	262PP-2.5		5/32"	MQ62-532	----
20019	02062-04	262PP-4		1/4"	MQ62-4	----
20022		262PP-64		3/8" x 1/4"	MQ62-64	----
20020	02062-06	262PP-6		3/8"	MQ62-6	----
20021	02062-08	262PP-8		1/2"	MQ62-8	----

AQ62P
MQ62

AQ62 6580 3106 62PL KQH 12-020 50-562 262-OF 1162 262PP

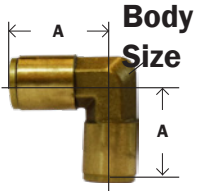
UNION TEE

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20025	02064-02	264PP-2		1/8"	MQ64-2	----
20026	02064-53	264PP-2.5		5/32"	MQ64-532	----
20027	02064-03	264PP-3		3/16"	MQ64-3	----
20028	02064-04	264PP-4		1/4"	MQ64-4	----
20031*		264PPNIC-5		5/16"	MQ64-5	----
20029	02064-06	264PP-6		3/8"	MQ64-6	----
20030	02064-08	264PP-8		1/2"	MQ64-8	----

AQ64P
MQ64

* Nickel Plated

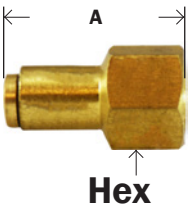
KQT 12-060 50-564 264OF 264PP 1164 AQ64 6540 3140 164PL

UNION ELBOW

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20150	02065-02	265PP-2		1/8"	MQ65-2	----
20151	02065-53	265PP-2.5		5/32"	MQ65-532	----
20152	02065-04	265PP-4		1/4"	MQ65-4	----
20155				5/16"	MQ65-5	----
20153	02065-06	265PP-6		3/8"	MQ65-6	----
20154	02065-08	265PP-8		1/2"	MQ65-8	----

AQ65P
MQ65

AQ65 6550 3102 165PL KQL 12-040 50-565 265-OF

FEMALE CONNECTOR

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X FEMALE NPTF	MAF #	MAF PRICE
20032	02066-0202	266PP-2A		1/8" x 1/8"	MQ66-22	----
20038				1/8" x 1/4"	MQ66-24	----
20012	02066-5302	266PP25A		5/32" x 1/8"	MQ66-5322	----
20034	02066-0402	266PP-4A		1/4" x 1/8"	MQ66-42	----
20035	02066-0404	266PP-4B		1/4" x 1/4"	MQ66-44	----
20036	02066-0604	266PP-6B		3/8" x 1/4"	MQ66-64	----
20037	02066-0606	266PP-6C		3/8" x 3/8"	MQ66-66	----

AQ66P

266PP AQ66 6463 3114 66PL 12-426 50-566 266-OF 1166

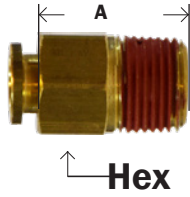
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



BRASS PUSH-IN FITTINGS

BRASS FITTINGS

MALE CONNECTOR



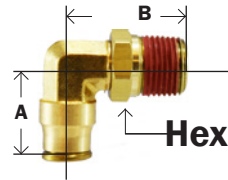
AQ68P
MQ68

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
20047*	02068-0200	268PP-2X1032		1/8" x 10-32"*	MQ68-20	----
20045	02068-0201	268PP-2X		1/8" x 1/16"	MQ68-21	----
20048	02068-0202	268PP-2A		1/8" x 1/8"	MQ68-22	----
20023	02068-0204	268PP-2B		1/8" x 1/4"	MQ68-24	----
20049*	02068-5300	268PP-2.5X1032		5/32" x 10-32"*	MQ68-5320	----
20050	02068-5302	268PP-2.5A		5/32" x 1/8"	MQ68-5322	----
20046	02068-5304	268PP-2.5B		5/32" x 1/4"	MQ68-5324	----
20051*	02068-0300	268PP-3X1032		3/16" x 10-32"*	MQ68-30	----
20052	02068-0302	268PP-3A		3/16" x 1/8"	MQ68-32	----
20053*	02068-0400	268PP-4X1032		1/4" x 10-32"*	MQ68-40	----
20039		268PP-4X		1/4" x 1/16"		----
20054	02068-0402	268PP-4A		1/4" x 1/8"	MQ68-42	----
20055	02068-0404	268PP-4B		1/4" x 1/4"	MQ68-44	----
20056	02068-0406	268PP-4C		1/4" x 3/8"	MQ68-46	----
20530	02068-0502			5/16" x 1/8"	MQ68-52	----
20531	02068-0504			5/16" x 1/4"	MQ68-54	----
20532				5/16" x 3/8"	MQ68-56	----
20057	02068-0602	268PP-6A		3/8" x 1/8"	MQ68-62	----
20058	02068-0604	268PP-6B		3/8" x 1/4"	MQ68-64	----
20059	02068-0606	268PP-6C		3/8" x 3/8"	MQ68-66	----
20062	02068-0608	268PP-6D		3/8" x 1/2"	MQ68-68	----
20060	02068-0804	268PP-8B		1/2" x 1/4"	MQ68-84	----
20061	02068-0806	268PP-8C		1/2" x 3/8"	MQ68-86	----
20063	02068-0808	268PP-8D		1/2" x 1/2"	MQ68-88	----

* Furnished with gaskets

268PP AQ68 6510 3115 68PL KQH 12-425 50-568 268-OF 1168

SWIVEL MALE ELBOW



AQ69PS
MQ69S

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
20079	02169-0202	269PPS-2A		1/8" x 1/8"	MQ69S-22	----
20535*				1/8" x 1/4"	MQ69S-24	----
20076**	02169-5300	269PPS-2.5X1032		5/32" x 10-32"	MQ69S-5320	----
20080	02169-5302	269PPS-2.5A		5/32" x 1/8"	MQ69S-5322	----
20077	02169-5304	269PPS-2.5B		5/32" x 1/4"	MQ69S-5324	----
20078**	02169-0400	269PPS-4X1032		1/4" x 10-32"	MQ69S-40	----
20081	02169-0402	269PPS-4A		1/4" x 1/8"	MQ69S-42	----
20082	02169-0404	269PPS-4B		1/4" x 1/4"	MQ69S-44	----
20086	02169-0406	269PPS-4C		1/4" x 3/8"	MQ69S-46	----
20538*				5/16" x 1/4"	MQ69S-54	----
20539*				5/16" x 3/8"	MQ69S-56	----
20087	02169-0602	269PPS-6A		3/8" x 1/8"	MQ69S-62	----
20083	02169-0604	269PPS-6B		3/8" x 1/4"	MQ69S-64	----
20084	02169-0606	269PPS-6C		3/8" x 3/8"	MQ69S-66	----
20088	02169-0608	269PPS-6D		3/8" x 1/2"	MQ69S-68	----
20085	02169-0806	269PPS-8C		1/2" x 3/8"	MQ69S-86	----
20092	02169-0808	269PPS-8D		1/2" x 1/2"	MQ69S-88	----

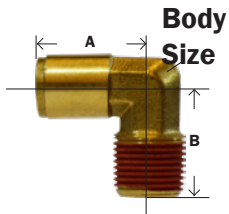
* Nickel Plated

** Furnished with gaskets

aq69-ps 56520 3109 169pl kql 12-447 50-579 269-OF 11695

BRASS PUSH-IN FITTINGS

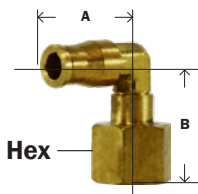
BRASS FITTINGS

FIXED MALE ELBOWAQ69P
MQ69

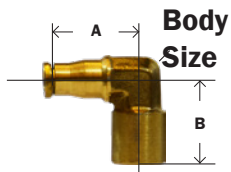
MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
20065	02069-0202	269PP-2A		1/8" x 1/8"	MQ69-22	----
20066	02069-5302	269PP-2.5A		5/32" x 1/8"	MQ69-5322	----
20067	02069-0302	269PP-3A		3/16" x 1/8"	MQ69-32	----
20068	02069-0402	269PP-4A		1/4" x 1/8"	MQ69-42	----
20069	02069-0404	269PP-4B		1/4" x 1/4"	MQ69-44	----
20070	02069-0406	269PP-4C		1/4" x 3/8"	MQ69-46	----
20071	02069-0602	269PP-6A		3/8" x 1/8"	MQ69-62	----
20072	02069-0604	269PP-6B		3/8" x 1/4"	MQ69-64	----
20073	02069-0606	269PP-6C		3/8" x 3/8"	MQ69-66	----
20074	02069-0804	269PP-8B		1/2" x 1/4"	MQ69-84	----
20075	02069-0806	269PP-8C		1/2" x 3/8"	MQ69-86	----
20064	02069-0808	269PP-8D		1/2" x 1/2"	MQ69-88	----

269PP AQ69-P 6500 169PLNS 12-445 1169

Dimension data can change without notice. Please see our website when dimensions are critical.

FEMALE SWIVEL ELBOWAQ70PS
MQ70S

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X FEMALE NPTF	MAF #	MAF PRICE
20094S		270PPS-25A		5/32" x 1/8"	MQ70S-5322	----
20089S	02170-0402	270PPS-4A		1/4" x 1/8"	MQ70S-42	----
20090S	02170-0404	270PPS-4B		1/4" x 1/4"	MQ70S-44	----
20091S	02170-0604	270PPS-6B		3/8" x 1/4"	MQ70S-64	----
	02170-0606			3/8" x 3/8"	MQ70S-66	
	02170-0806	270PPS-8C		1/2" x 3/8"	MQ70S-86	

FEMALE ELBOWAQ70P
MQ70

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X FEMALE NPTF	MAF #	MAF PRICE
20192	02070-0202	270PP-2A		1/8" x 1/8"	MQ70-22	----
20094	02070-5302	270PP-2.5A		5/32" x 1/8"	MQ70-5322	----
20089	02070-0402	270PP-4A		1/4" x 1/8"	MQ70-42	----
20090	02070-0404	270PP-4B		1/4" x 1/4"	MQ70-44	----
20091	02070-0604	270PP-6B		3/8" x 1/4"	MQ70-64	----

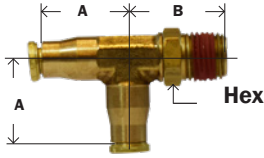
AQ70-P 3009

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS PUSH-IN FITTINGS

BRASS FITTINGS

SWIVEL MALE RUN TEE

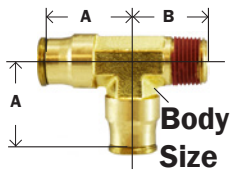


AQ71PS
MQ71S

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
20160	02171-0202	271PPS-2A		1/8" x 1/8"	MQ71S-22	----
20161	02171-5302	271PPS-2.5A		5/32" x 1/8"	MQ71S-5322	----
20162	02171-0402	271PPS-4A		1/4" x 1/8"	MQ71S-42	----
20163	02171-0404	271PPS-4B		1/4" x 1/4"	MQ71S-44	----
20164	02171-0604	271PPS-6B		3/8" x 1/4"	MQ71S-64	----
20165	02171-0606	271PPS-6C		3/8" x 3/8"	MQ71S-66	----
20174				1/2" x 1/4"		
20166	02171-0806	271PPS-8C		1/2" x 3/8"	MQ71S-86	----
20167	02171-0808	271PPS-8D		1/2" x 1/2"	MQ71S-88	----

AQ71-PS 56440 3103 171PL KQY 12-468 50-571 271-OFS 11715

FIXED MALE RUN TEE

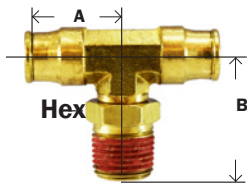


AQ71P
MQ71

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
20095	02071-0202	271PP-2A		1/8" x 1/8"	MQ71-22	----
20097	02071-0302			3/16" x 1/8"		
20098	02071-0402	271PP-4A		1/4" x 1/8"	MQ71-42	----
20093	02071-0404	271PP-4B		1/4" x 1/4"	MQ71-44	----
20099	02071-0602			3/8" x 1/8"		
20100	02071-0604	271PP-6B		3/8" x 1/4"	MQ71-64	----
20101	02071-0606	271PP-6C		3/8" x 3/8"	MQ71-66	----
20102	02071-0806			1/2" x 3/8"	MQ71-86	----

AQ71-P

SWIVEL MALE BRANCH TEE

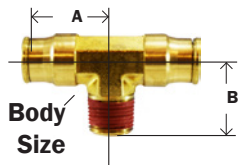


AQ72PS
MQ72S

* Furnished with gaskets

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
20103	02172-0202	272PPS-2A		1/8" x 1/8"	MQ72S-22	----
20104*	02172-5300	272PPS-2.5A x 10.32		5/32" x 10-32"	MQ72S-5320	----
20109	02172-5302	272PPS-2.5A		5/32" x 1/8"	MQ72S-5322	----
20105	02172-0402	272PPS-4A		1/4" x 1/8"	MQ72S-42	----
20106	02172-0404	272PPS-4B		1/4" x 1/4"	MQ72S-44	----
20107	02172-0604	272PPS-6B		3/8" x 1/4"	MQ72S-64	----
20108	02172-0606	272PPS-6C		3/8" x 3/8"	MQ72S-64	----
20110	02172-0806	272PPS-8C		1/2" x 3/8"	MQ72S-86	----
20111	02172-0808	272PPS-8D		1/2" x 1/2"	MQ72S-88	----

FIXED MALE BRANCH TEE



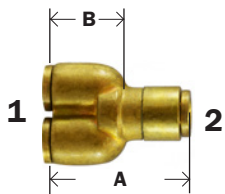
AQ72P
MQ72

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
20112	02072-0202			1/8" x 1/8"	MQ72-22	----
20113	02072-5302	272PP-2.5A		5/32" x 1/8"	MQ72-532	----
20115	02072-0402	272PP-4A		1/4" x 1/8"	MQ72-42	----
20116	02072-0404	272PP-4B		1/4" x 1/4"	MQ72-44	----
20117	02072-0602	272PP-6A		3/8" x 1/8"	MQ72-62	----
20118	02072-0604	272PP-6B		3/8" x 1/4"	MQ72-64	----
20119	02072-0606	272PP-6C		3/8" x 3/8"	MQ72-66	----
20120	02072-0806	272PP-8C		1/2" x 3/8"	MQ72-86	----

AQ72-P

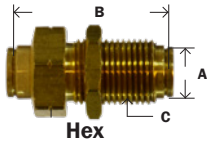
BRASS PUSH-IN FITTINGS

BRASS FITTINGS

UNION "Y"

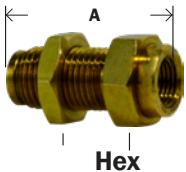
AQ89P

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. 1 X 2	MAF #	MAF PRICE
20551	02089-5353	289PP-2.5		5/32" x 5/32"	MQ89-532	----
20552	02089-0402			1/4" x 1/8"	MQ89-42	----
20553	02089-0404	289PP-4		1/4" x 1/4"	MQ89-44	----

BULKHEAD UNIONAQ82P
MQ82

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. A	MAF #	MAF PRICE
20124	02082-02	283PP-2		1/8"	MQ82-2	----
20125	02082-53	283PP-2.5		5/32"	MQ82-532	----
20126	02082-03			3/16"	MQ82-3	----
20127	02082-04	283PP-4		1/4"	MQ82-4	----
20128	02082-06	283PP-6		3/8"	MQ82-6	----
20129	02082-08	283PP-8		1/2"	MQ82-8	----

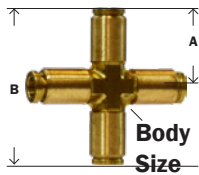
AQ82-P 6590 62PLBH KQE 12-029 50-582 282-OF 1174

FEMALE BULKHEAD UNIONAQ86P
MQ86

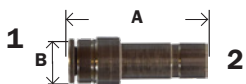
MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X FEMALE NPTF	MAF #	MAF PRICE
20170	02086-0402	287PP-4A		1/4" x 1/8"	MQ86-42	----
20171	02086-0404	287PP-4B		1/4" x 1/4"	MQ86-44	----
20172	02086-0604	287PP-6B		3/8" x 1/4"	MQ86-64	----

AQ86-P 1166BH

Dimension data can change without notice. Please call us when dimensions are critical.

CROSS

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
20142		252PP-4		1/4"	MQ52-4	----
20143		252PP-6		3/8"	MQ52-6	----

REDUCER - NICKEL PLATED - TUBE OD X STUD

MQ97

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. 1 X 2	MAF #	MAF PRICE
20510		286PP-42		1/8" x 1/4"	MQ97-24	----
20511		286PP-42.5		5/32" x 1/4"	MQ97-5324	----
20512		286PP-64		1/4" x 3/8"	MQ97-46	----

67PPL 286PP

PLASTIC PLUGAQ59P
MQ59

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
20009	02059-53	284PP-2.5		5/32"	MQ59-532	----
20010	02059-04	284PP-4		1/4"	MQ59-4	----
20011	02059-06	284PP-6		3/8"	MQ59-6	----
20013	02059-08	284PP-8		1/2"	MQ59-8	----

• Cored

284PP AQ59 209-OF 1129 6900 639PL 12-004 50-526

NICKEL PLATED PUSH-IN FITTINGS

BRASS FITTINGS

NICKEL PLATED PUSH-IN FITTINGS WITH GLOBAL THREAD

• NPTF • BSPP • BSPT • ISO 7 • ISO 228 • G THREAD • J THREAD



- Saves time and money
- No stripped threads
- No stripped parts
- Reduce inventory

- Completely reusable
- Quick installation
- No pitch identification

Component Parts and Materials	
Body	Brass - Nickel Plated
Thrust Ring	Acetalic Resin/ Glass filled Nylon
Sleeve	Brass - Nickel Plated
Gripper Collet	Stainless Steel
Safety Ring	PA66
Lip Seal (1/8 O-Ring Seal)	NBR 70
Thread Seal	NBR 70

Max Operating Pressure: Vacuum to 290PSI.
Min Temperature: -4°F
Max Temperature: 176°F
Tubing: Nylon, Polyethylene, Polyurethane.
- For best results use 95 Durometer
Media: Compressed air, water, vacuum

• Tolerance

+/- .02 on all dimensions. Dimension data can change without notice. Please call us when dimensions are critical.

GLOBAL THREAD

WORKS WITH INCH OR METRIC THREADS



“Global Thread” fittings can be assembled with female threads produced to the following standards:

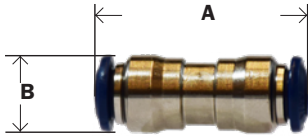
Tapered NPTF
Parallel (BSPP, BSP, ISO 7)
Tapered (BSPT, PT, ISO 7, ISO 228)

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

NICKEL PLATED PUSH-IN FITTINGS

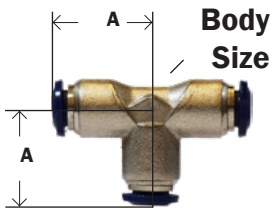
BRASS FITTINGS

UNION CONNECTOR

*w/ plastic collet

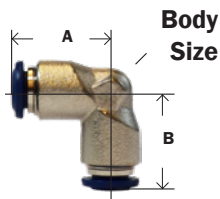
MIDLAND	CHAMPION	TUBE O.D.	LIST
20017N	262PPNI-2	1/8"	
20018N*	262PPNI-2.5	5/32"	
20016N	262PPNI-42.5	5/32" x 1/4"	
20019N*	262PPNI-4	1/4"	
20015N*	262PPNI-5	5/16"	
20020N*	262PPNI-6	3/8"	
20022N	262PPNI-64	3/8" x 1/4"	
20021N*	262PPNI-8	1/2"	
20024N	262PPNI-86	1/2" x 3/8"	

62PL 88040

UNION TEE

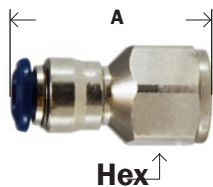
MIDLAND	CHAMPION	TUBE O.D.	LIST
20025N	264PPNI-2	1/8"	
20026N*	264PPNI-2.5	5/32"	
20028N*	264PPNI-4	1/4"	
20031N*	264PPNI-5	5/16"	
20029N*	264PPNI-6	3/8"	
20030N*	264PPNI-8	1/2"	

164PL 88230

UNION ELBOW

MIDLAND	CHAMPION	TUBE O.D.	LIST
20150N	265PPNI-2	1/8"	
20151N*	265PPNI-2.5	5/32"	
20152N*	265PPNI-4	1/4"	
20155N*	265PPNI-5	5/16"	
20153N*	265PPNI-6	3/8"	
20154N*	265PPNI-8	1/2"	

165PL 88130

FEMALE CONNECTOR

MIDLAND	CHAMPION	TUBE O.D. X FEMALE NPTF	LIST
20032N	266PPNI-2A	1/8" x 1/8"	
20038N	266PPNI-2B	1/8" x 1/4"	
20034N	266PPNI-4A	1/4" x 1/8"	
20035N	266PPNI-4B	1/4" x 1/4"	
20036N	266PPNI-6B	3/8" x 1/4"	
20037N	266PPNI-6C	3/8" x 3/8"	

66PL 88030

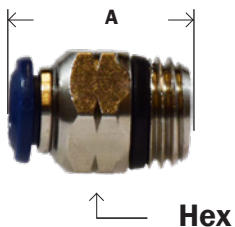
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



NICKEL PLATED PUSH-IN FITTINGS

BRASS FITTINGS

MALE CONNECTOR

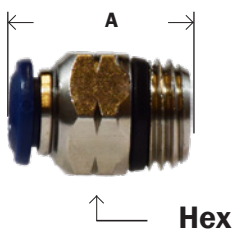


• Can be purchased with NPTF threads upon request

* Available in stainless steel

MIDLAND	CHAMPION	TUBE O.D. X MALE GLOBAL THREAD	LIST
20047N	268PPNI-2X1032	1/8" x 10-32"	
20048N	268PPNI-2A	1/8" x 1/8"	
20023N	268PPNI-2B	1/8" x 1/4"	
20049N*	268PPNI-2.5X1032	5/32" x 10-32"	
20050N*	268PPNI-2.5A	5/32" x 1/8"	
20046N*	268PPNI-2.5B	5/32" x 1/4"	
20053N*	268PPNI-4X1032	1/4" x 10-32"	
20054N*	268PPNI-4A	1/4" x 1/8"	
20055N*	268PPNI-4B	1/4" x 1/4"	
20056N	268PPNI-4C	1/4" x 3/8"	
20530N*	268PPNI-5A	5/16" x 1/8"	
20531N*	268PPNI-5B	5/16" x 1/4"	
20532N	268PPNI-5C	5/16" x 3/8"	
20057N	268PPNI-6A	3/8" x 1/8"	
20058N*	268PPNI-6B	3/8" x 1/4"	
20059N*	268PPNI-6C	3/8" x 3/8"	
20062N	268PPNI-6D	3/8" x 1/2"	
20841N		1/2" x 1/8"	
20060N	268PPNI-8B	1/2" x 1/4"	
20061N*	268PPNI-8C	1/2" x 3/8"	
20063N*	268PPNI-8D	1/2" x 1/2"	

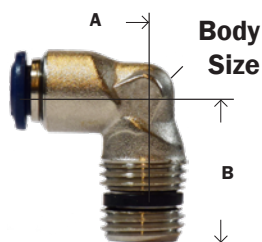
MALE CONNECTOR WITH INTERNAL HEX



MIDLAND	CHAMPION	TUBE O.D. X MALE GLOBAL THREAD	LIST
20842N		1/8" x 10-32" UNF	
20847N		5/32" x 10-32 UNF	
20846N		5/32" x 1/8"	
20845N		1/4" x 10-32" UNF	
20843N		1/4" x 1/8"	
20844N		1/4" x 1/4"	

68PL 87000

FIXED MALE ELBOW



MIDLAND	CHAMPION	TUBE O.D. X MALE NPTF	LIST
20068N	269PPNI-4A	1/4" x 1/8"	
20069N	269PPNI-4B	1/4" x 1/4"	
20072N	269PPNI-6B	3/8" x 1/4"	
20073N	269PPNI-6C	3/8" x 3/8"	

W169PLNS 8100

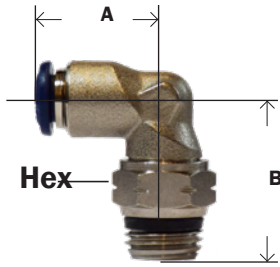
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

NICKEL PLATED PUSH-IN FITTINGS

BRASS FITTINGS

SWIVEL MALE ELBOW



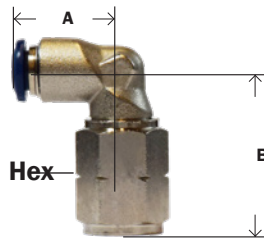
• Can be purchased with NPTF threads upon request

* Available in stainless steel

MIDLAND	CHAMPION	TUBE O.D. X MALE GLOBAL THREAD	LIST
20079N	269PPSNI-2A	1/8" x 1/8"	
20535N	269PPSNI-2B	1/8" x 1/4"	
20076N*	269PPSNI-2.5X1032	5/32" x 10-32"	
20080N*	269PPSNI-2.5A	5/32" x 1/8"	
20848N*	269PPSNI-2.5B	5/32" x 1/4"	
20081N*	269PPSNI-4A	1/4" x 1/8"	
20082N*	269PPSNI-4B	1/4" x 1/4"	
20086N	269PPSNI-4C	1/4" x 3/8"	
20537N*	269PPSNI-5A	5/16" x 1/8"	
20538N*	269PPSNI-5B	5/16" x 1/4"	
20539N	269PPSNI-5C	5/16" x 3/8"	
20087N	269PPSNI-6A	3/8" x 1/8"	
20083N*	269PPSNI-6B	3/8" x 1/4"	
20084N*	269PPSNI-6C	3/8" x 3/8"	
20088N*	269PPSNI-6D	3/8" x 1/2"	
20184N	269PPSNI-8B	1/2" x 1/4"	
20085N*	269PPSNI-8C	1/2" x 3/8"	
20092N*	269PPSNI-8D	1/2" x 1/2"	

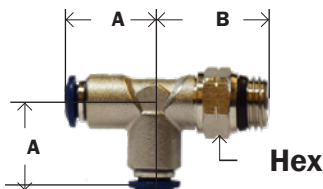
W169PL 87110

FEMALE SWIVEL ELBOW



MIDLAND	CHAMPION	TUBE O.D. X FEMALE NPTF	LIST
20094N	270PPSNI-2.5A	5/32" x 1/8"	
20089N	270PPSNI-4A	1/4" x 1/8"	
20090N	270PPSNI-4B	1/4" x 1/4"	
20762N	270PPSNI-6A	3/8" x 1/8"	
20091N	270PPSNI-6B	3/8" x 1/4"	

SWIVEL MALE RUN TEE



• Can be purchased with NPTF threads upon request

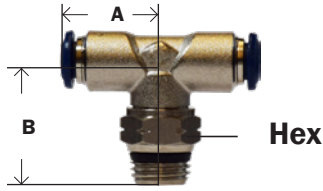
MIDLAND	CHAMPION	TUBE O.D. X MALE GLOBAL THREAD	LIST
20095N	271PPSNI-2A	1/8" x 1/8"	
20851N	271PPSNI-2B	1/8" x 1/4"	
20852N	271PPSNI-2.5A	5/32" x 1/8"	
20853N	271PPSNI-2.5B	5/32" x 1/4"	
20162N	271PPSNI-4A	1/4" x 1/8"	
20163N	271PPSNI-4B	1/4" x 1/4"	
20164N		1/4" x 3/8"	
20159N		3/8" x 1/8"	
20168N	271PPSNI-6B	3/8" x 1/4"	
20165N	271PPSNI-6C	3/8" x 3/8"	
20181N	271PPSNI-6D	3/8" x 1/2"	
20174N	271PPSNI-8B	1/2" x 1/4"	
20166N	271PPSNI-8C	1/2" x 3/8"	
20167N	271PPSNI-8D	1/2" x 1/2"	

W171PL 87222

NICKEL PLATED PUSH-IN FITTINGS

BRASS FITTINGS

SWIVEL MALE BRANCH TEE



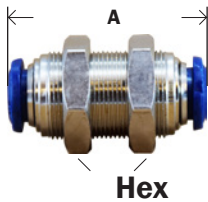
• Can be purchased with NPTF threads upon request

* with plastic collet

MIDLAND	CHAMPION	TUBE O.D. X MALE GLOBAL THREAD	LIST
20103N	272PPSNI-2A	1/8" x 1/8"	
20104N		5/32" x 10-32"	
20109N	272PPSNI-2.5A	5/32" x 1/8"	
20850N	272PPSNI-2.5B	5/32" x 1/4"	
20105N	272PPSNI-4A	1/4" x 1/8"	
20106N	272PPSNI-4B	1/4" x 1/4"	
20156N	272PPSNI-4C	1/4" x 3/8"	
20157N		3/8" x 1/8"	
20107N	272PPSNI-6B	3/8" x 1/4"	
20108N	272PPSNI-6C	3/8" x 3/8"	
20158N	272PPSNI-6D	3/8" x 1/2"	
20112N	272PPSNI-8B	1/2" x 1/4"	
20110N	272PPSNI-8C	1/2" x 3/8"	
20111N	272PPSNI-8D	1/2" x 1/2"	

W172PL 87210

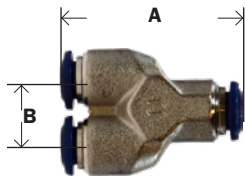
BULKHEAD UNION



MIDLAND	CHAMPION	TUBE O.D.	LIST
20124N	283PPNI-2	1/8"	
20125N*	283PPNI-2.5	5/32"	
20127N*	283PPNI-4	1/4"	
20123N*	283PPNI-5	5/16"	
20128N*	283PPNI-6	3/8"	
20129N*	283PPNI-8	1/2"	

62PLBH 88050

UNION "Y"



MIDLAND	CHAMPION	TUBE O.D.	LIST
20553N	289PPNI-4	1/4" x 1/4"	

662PL 88310

REDUCER



MIDLAND	CHAMPION	TUBE O.D. 2	LIST
20510N	286PPNI-42	1/4"	
20511N	286PPNI-42.5	1/4"	
20512N	286PPNI-64	3/8"	
20513N	286PPNI-84	1/2"	
20514N	286PPNI-86	1/2"	

67PPL 88700

Also available:

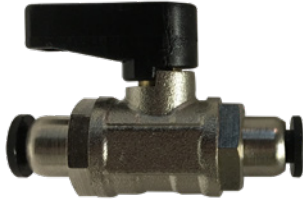
- Nylon plug
- Single banjo
- Double banjo
- Push fit cartridges and tools

NICKEL PLATED PUSH-IN FITTINGS

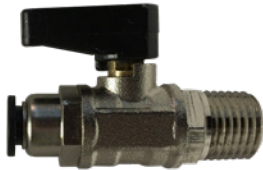
BRASS FITTINGS

CHROME PLATED BRASS MINI BALL VALVES

- Compact Design
- Max Working Pressure 250 psi

**PUSH-IN X PUSH-IN**

PART #	SIZE	BOX/CASE	WGT.	
28400	1/8	30/300	.07	----
28401	1/4	30/300	.10	----
28402	3/8	20/200	.21	----

**PUSH-IN X MALE PIPE**

PART #	SIZE TUBE X MIP	BOX/ CASE	WGT.	
28403	5/32 x 1/8	30/300	.08	----
28407	1/4 x 1/8	30/300	.08	----
28404	1/4 x 1/4	30/300	.10	----
28405	3/8 x 3/8	20/200	.17	----

**FIP X FIP**

PART #	SIZE	BOX/CASE	WGT.	
46650	1/8	30/300	.11	----
46651	1/4	30/300	.10	----
46652	3/8	20/200	.14	----
46653	1/2	15/150	.25	----

**MIP X FIP**

PART #	SIZE	BOX/CASE	WGT.	
46660	1/8	30/300	.11	----
46661	1/4	30/300	.10	----
46662	3/8	20/200	.14	----
46663	1/2	15/150	.25	----

- Optional colors of handle plate for identification

PANEL MOUNT DESIGN**FIP X FIP ANGLE**

PART #	SIZE	BOX/CASE	WGT.	
46670	1/8	20/200	.19	----
46671	1/4	20/200	.20	----
46672	3/8	25/250	.11	----

**3-WAY FIP - OPEN CENTER**

PART #	SIZE	BOX/CASE	WGT.	
466900	1/8	25/250	.13	----
466901	1/4	20/200	.21	----
466902	3/8	20/200	.21	----

**3-WAY FIP - CLOSED CENTER**

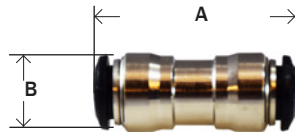
PART #	SIZE	BOX/CASE	WGT.	
46680	1/8	25/250	.13	----
46681	1/4	20/200	.21	----
46682	3/8	20/200	.21	----

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NICKEL PLATED METRIC PUSH-IN FITTINGS

BRASS FITTINGS

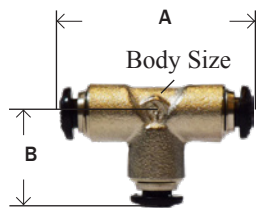
UNION



* Available in SS

MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20723N	262PPNI-3MM	3	
20600N*	262PPNI-4MM	4	
20724N	262PPNI-5MM	5	
20725N	262PPNI-6MMX4MM	6 x 4	
20601N*	262PPNI-6MM	6	
20726N	262PPNI-8MMX6MM	8 x 6	
20727N*	262PPNI-8MM	8	
20728N	262PPNI-10MMX8MM	10 x 8	
20603N*	262PPNI-10MM	10	
20729N	262PPNI-12MMX10MM	12 x 10	
20604N*	262PPNI-12MM	12	
20730N	262PPNI-14MM	14	

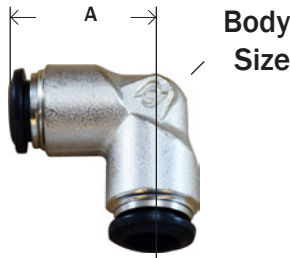
UNION TEE



* Available in SS

MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20741N	264PPNI-3MM	3	
20610N*	264PPNI-4MM	4	
20742N	264PPNI-5MM	5	
20611N*	264PPNI-6MM	6	
20612N*	264PPNI-8MM	8	
20613N*	264PPNI-10MM	10	
20614N*	264PPNI-12MM	12	
20743N	264PPNI-14MM	14	

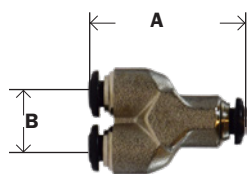
UNION ELBOW



* Available in SS

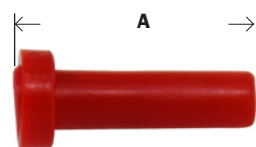
MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20738N	265PPNI-3MM	3	
20206N*	265PPNI-4MM	4	
20739N	265PPNI-5MM	5	
20660N*	265PPNI-6MM	6	
20661N*	265PPNI-8MM	8	
20807N*	265PPNI-10MM	10	
20808N*	265PPNI-12MM	12	
20740N	265PPNI-14MM	14	

UNION Y



MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20744N		3	
20813N		4	
20745N		5	
20814N	289PPNI-6MM	6	
20815N		8	
20746N		10	

PLUG

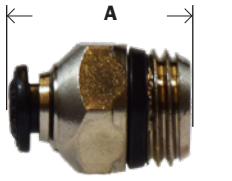


MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20748N		4	
20749N		5	
20750N		6	
20751N		8	
20752N		10	
20753N		12	

NICKEL PLATED METRIC PUSH-IN FITTINGS

BRASS FITTINGS

METRIC TUBE STRAIGHT MALE



Hex

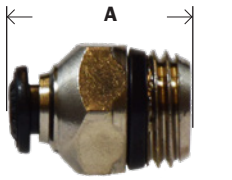


• Can be purchased with
BSPP or BSPT Threads

* Available in SS

MIDLAND	CHAMPION	TUBE O.D. (MM) X GLOBAL THREAD	LIST
20630N*	268PPNI-4MMX1/8	4 x 1/8	
20631N*	268PPNI-4MMX1/4	4 x 1/4	
20700N	268PPNI-5MMX1/8	5 x 1/8	
20701N	268PPNI-5MMX1/4	5 x 1/4	
20632N*	268PPNI-6MMX1/8	6 x 1/8	
20633N*	268PPNI-6MMX1/4	6 x 1/4	
20628N	268PPNI-6MMX3/8	6 x 3/8	
20629N	268PPNI-6MMX1/2	6 x 1/2	
20702N*	268PPNI-8MMX1/8	8 x 1/8	
20634N*	268PPNI-8MMX1/4	8 x 1/4	
20635N	268PPNI-8MMX3/8	8 x 3/8	
20703N	268PPNI-8MMX1/2	8 x 1/2	
20636N*	268PPNI-10MMX1/4	10 x 1/4	
20637N*	268PPNI-10MMX3/8	10 x 3/8	
20704N*	268PPNI-10MMX1/2	10 x 1/2	
20801N	268PPNI-12MMX1/4	12 x 1/4	
20638N*	268PPNI-12MMX3/8	12 x 3/8	
20705N*	268PPNI-12MMX1/2	12 x 1/2	
20706N	268PPNI-14MMX3/8	14 x 3/8	
20707N	268PPNI-14MMX1/2	14 x 1/2	

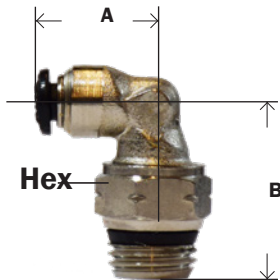
METRIC TUBE INTERNAL HEX



Hex

MIDLAND	CHAMPION	TUBE O.D. (MM) X GLOBAL THREAD	LIST
20619N		3 x M5	
20620N		4 x 1/8	
20621N*		4 x M5	
20622N		4 x M7 x 1	
20623N		6 x 1/4	
20624N		6 x 1/8	
20625N*		6 x M5	
20626N		8 x 1/4	
20627N		8 x 1/8	

METRIC TUBE SWIVEL MALE ELBOW



Hex



• Can be purchased with
BSPP or BSPT Threads

* Available in SS w BSPP or
BSPT Threads

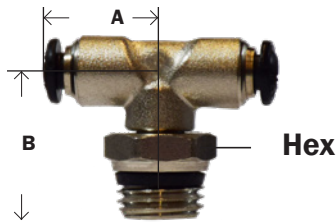
MIDLAND	CHAMPION	TUBE O.D. (MM) X GLOBAL THREAD	LIST
20708N*	269PPSNI-4MMX1/8	4 x 1/8	
20709N*	269PPSNI-4MMX1/4	4 x 1/4	
20710N	269PPSNI-5MMX1/8	5 x 1/8	
20642N*	269PPSNI-6MMX1/8	6 x 1/8	
20803N*	269PPSNI-6MMX1/4	6 x 1/4	
20711N*	269PPSNI-8MMX1/8	8 x 1/8	
20805N*	269PPSNI-8MMX1/4	8 x 1/4	
20655N	269PPSNI-8MMX3/8	8 x 3/8	
20712N	269PPSNI-8MMX1/2	8 x 1/2	
20656N*	269PPSNI-10MMX1/4	10 x 1/4	
20657N*	269PPSNI-10MMX3/8	10 x 3/8	
20713N*	269PPSNI-10MMX1/2	10 x 1/2	
20658N*	269PPSNI-12MMX3/8	12 x 3/8	
20659N*	269PPSNI-12MMX1/2	12 x 1/2	
20714N	269PPSNI-14MMX3/8	14 x 3/8	
20715N	269PPSNI-14MMX1/2	14 x 1/2	

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NICKEL PLATED METRIC PUSH-IN FITTINGS

BRASS FITTINGS

METRIC TUBE SWIVEL MALE BRANCH TEE

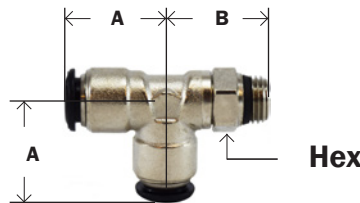


• Can be purchased with BSPP or BSPT threads

* Available in SS w/BSPP or BSPT threads

MIDLAND	CHAMPION	TUBE O.D. (MM) X GLOBAL THREAD	LIST
20680N*	272PPSNI-4MMX1/8	4 x 1/8	
20716N*	272PPSNI-4MMX1/4	4 x 1/4	
20717N	272PPSNI-5MMX1/8	5 x 1/8	
20682N*	272PPSNI-6MMX1/8	6 x 1/8	
20683N*	272PPSNI-6MMX1/4	6 x 1/4	
20809N*	272PPSNI-8MMX1/8	8 x 1/8	
20684N*	272PPSNI-8MMX1/4	8 x 1/4	
20690N	272PPSNI-8MMX3/8	8 x 3/8	
20691N	272PPSNI-8MMX1/2	8 x 1/2	
20686N*	272PPSNI-10MMX1/4	10 x 1/4	
20687N*	272PPSNI-10MMX3/8	10 x 3/8	
20810N*	272PPSNI-10MMX1/2	10 x 1/2	
20688N*	272PPSNI-12MMX3/8	12 x 3/8	
20689N*	272PPSNI-12MMX1/2	12 x 1/2	
20718N	272PPSNI-14MMX3/8	14 x 3/8	
20719N	272PPSNI-14MMX1/2	14 x 1/2	

METRIC TUBE SWIVEL MALE RUN TEE

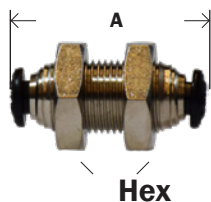


• Can be purchased with BSPP threads

* Available in SS w/BSPP or BSPT threads

MIDLAND	CHAMPION	TUBE O.D. (MM) X GLOBAL THREAD	LIST
20670N	271PPSNI-4MMX1/8	4 x 1/8	
20720N	271PPSNI-4MMX1/4	4 x 1/4	
20721N	271PPSNI-5MMX1/8	5 x 1/8	
20672N	271PPSNI-6MMX1/8	6 x 1/8	
20673N	271PPSNI-6MMX1/4	6 x 1/4	
20811N	271PPSNI-8MMX1/8	8 x 1/8	
20674N	271PPSNI-8MMX1/4	8 x 1/4	
20668N	271PPSNI-8MMX3/8	8 x 3/8	
20669N	271PPSNI-8MMX1/2	8 x 1/2	
20676N	271PPSNI-10MMX1/4	10 x 1/4	
20677N	271PPSNI-10MMX3/8	10 x 3/8	
20722N	271PPSNI-10MMX1/2	10 x 1/2	
20678N	271PPSNI-12MMX3/8	12 x 3/8	
20679N	271PPSNI-12MMX1/2	12 x 1/2	

BULKHEAD



MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20731N	283PPNI-3MM	3	
20732N*	283PPNI-4MM	4	
20733N	283PPNI-5MM	5	
20734N*	283PPNI-6MM	6	
20735N*	283PPNI-8MM	8	
20736N*	283PPNI-10MM	10	
20737N*	283PPNI-12MM	12	

* Available in SS

NICKEL PLATED WITH NICKEL COLLET

BRASS FITTINGS

UNION W/ NICKEL COLLET



CHAMPION	LIST	PTC	MAF #	MAF PRICE
262PPNIC-2		1/8	MQ62-2	----
262PPNIC-2.5		5/32	MQ62-532	
262PPNIC-4		1/4	MQ62-4	----
262PPNIC-5		5/16		
262PPNIC-6		3/8	MQ62-6	----
262PPNIC-8		1/2	MQ62-8	----

UNION TEE W/ NICKEL COLLET



CHAMPION	LIST	PTC X FPT	MAF #	MAF PRICE
264PPNIC-2		1/8	MQ64-2	----
264PPNIC-2.5		5/32	MQ64-532	
264PPNIC-4		1/4	MQ64-4	----
264PPNIC-5		5/16		
264PPNIC-6		3/8	MQ64-6	----
264PPNIC-8		1/2	MQ64-8	----

90° UNION ELBOW W/ NICKEL COLLET



CHAMPION	LIST	PTC	MAF #	MAF PRICE
265PPNIC-2		1/8	MQ65-2	----
265PPNIC-2.5		5/32	MQ65-532	
265PPNIC-4		1/4	MQ65-4	----
265PPNIC-5		5/16	MQ65-5	
265PPNIC-6		3/8	MQ65-6	----
265PPNIC-8		1/2	MQ65-8	----

FEMALE ADAPTER W/ NICKEL COLLET



CHAMPION	LIST	PTC X FPT	MAF #	MAF PRICE
266PPNIC-2X1032		1/8 x 10-32		
266PPNIC-2A		1/8 x 1/8	MQ66-22	----
266PPNIC-2.5X1032		5/32 x 10-32		
266PPNIC-2.5A		5/32 x 1/8	MQ65-5322	
266PPNIC-4A		1/4 x 1/8	MQ65-42	
266PPNIC-4B		1/4 x 1/4	MQ65-44	
266PPNIC-4C		1/4 x 3/8		
266PPNIC-5B		5/16 x 1/4		
266PPNIC-5C		5/16 x 3/8		
266PPNIC-6B		3/8 x 1/4	MQ65-64	
266PPNIC-6C		3/8 x 3/8	MQ65-66	
266PPNIC-6D		3/8 x 1/2		
266PPNIC-8C		1/2 x 3/8		
266PPNIC-8D		1/2 x 1/2		

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



NICKEL PLATED WITH NICKEL COLLET

BRASS FITTINGS

MALE ADAPTER W/ NICKEL COLLET



CHAMPION	LIST	PTC X MPT	MAF #	MAF PRICE
268PPNIC-2X1032		1/8 x 10-32	MQ68-20	
268PPNIC-2A		1/8 x 1/8	MQ6-22	
268PPNIC-2B		1/8 x 1/4	MQ6-24	
268PPNIC-2.5X1032		5/32 x 10-32	MQ6-5320	
268PPNIC-2.5A		5/32 x 1/8	MQ6-5322	
268PPNIC-2.5B		5/32 x 1/4	MQ6-5324	
268PPNIC-4X1032		1/4 x 10-32	MQ6-40	
268PPNIC-4A		1/4 x 1/8	MQ6-42	
268PPNIC-4B		1/4 x 1/4	MQ6-44	
268PPNIC-4C		1/4 x 3/8	MQ6-46	
268PPNIC-5A		5/16 x 1/8	MQ6-52	
268PPNIC-5B		5/16 x 1/4	MQ6-54	
268PPNIC-5C		5/16 x 3/8	MQ6-56	
268PPNIC-6A		3/8 x 1/8	MQ6-62	
268PPNIC-6B		3/8 x 1/4	MQ6-64	
268PPNIC-6C		3/8 x 3/8	MQ6-66	
268PPNIC-6D		3/8 x 1/2	MQ6-68	
268PPNIC-8B		1/2 x 1/4	MQ6-84	
268PPNIC-8C		1/2 x 3/8	MQ6-86	
268PPNIC-8D		1/2 x 1/2	MQ6-88	

90° MALE ELBOW SWIVEL W/ NICKEL COLLET



CHAMPION	LIST	PTC X MPT	MAF #	MAF PRICE
269PPSNIC-2X1032		1/8 x 10-32		
269PPSNIC-2A		1/8 x 1/8	MQ69S-22	----
269PPSNIC-2B		1/8 x 1/4	MQ69S-24	----
269PPSNIC-2.5X1032		5/32 x 10-32	MQ69S-5320	----
269PPSNIC-2.5A		5/32 x 1/8	MQ69S-5322	
269PPSNIC-4A		1/4 x 1/8	MQ69S-42	----
269PPSNIC-4B		1/4 x 1/4	MQ69S-44	----
269PPSNIC-4C		1/4 x 3/8	MQ69S-46	----
269PPSNIC-5B		5/16 x 1/4	MQ69S-54	
269PPSNIC-5C		5/16 x 3/8	MQ69S-56	
269PPSNIC-6A		3/8 x 1/8	MQ69S-62	----
269PPSNIC-6B		3/8 x 1/4	MQ69S-64	----
269PPSNIC-6C		3/8 x 3/8	MQ69S-66	----
269PPSNIC-6D		3/8 x 1/2	MQ69S-68	----
269PPSNIC-8B		1/2 x 1/4	MQ69S-84	
269PPSNIC-8C		1/2 x 3/8	MQ69S-86	----
269PPSNIC-8D		1/2 x 1/2	MQ69S-88	----

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BRASS

NICKEL PLATED WITH NICKEL COLLET

BRASS FITTINGS

MALE RUN TEE SWIVEL W/ NICKEL COLLET

CHAMPION	LIST	PTC X MPT	MAF #	MAF PRICE
271PPSNIC-2X1032		1/8 x 10-32		
271PPSNIC-2A		1/8 x 1/8		
271PPSNIC-4A		1/4 x 1/8		
271PPSNIC-4B		1/4 x 1/4		
271PPSNIC-4C		1/4 x 3/8		
271PPSNIC-6B		3/8 x 1/4		
271PPSNIC-6C		3/8 x 3/8		
271PPSNIC-6D		3/8 x 1/2		
271PPSNIC-8C		1/2 x 3/8		
271PPSNIC-8D		1/2 x 1/2		

MALE BRANCH TEE SWIVEL W/ NICKEL COLLET

CHAMPION	LIST	PTC X MPT	MAF #	MAF PRICE
272PPSNIC-2X1032		1/8 x 10-32	MQ72-20	
272PPSNIC-2A		1/8 x 1/8	MQ72-22	----
272PPSNIC-4A		1/4 x 1/8	MQ72-42	----
272PPSNIC-4B		1/4 x 1/4	MQ72-44	----
272PPSNIC-4C		1/4 x 3/8		
272PPSNIC-5A		5/16 x 1/8		
272PPSNIC-5B		5/16 x 1/4		
272PPSNIC-5C		5/16 x 3/8		
272PPSNIC-6B		3/8 x 1/4	MQ72-64	----
272PPSNIC-6C		3/8 x 3/8	MQ72-66	----
272PPSNIC-6D		3/8 x 1/2	MQ72-68	
272PPSNIC-8B		1/2 x 1/4	MQ72-84	
272PPSNIC-8C		1/2 x 3/8	MQ72-86	----
272PPSNIC-8D		1/2 x 1/2	MQ72-88	

BULKHEAD UNION W/ NICKEL COLLET

CHAMPION	LIST	PTC	MAF #	MAF PRICE
283PPNIC-2.5		5/32	MQ82-532	
283PPNIC-4		1/4	MQ82-4	----
283PPNIC-5		5/16	MQ82-5	
283PPNIC-6		3/8	MQ82-6	----
283PPNIC-8		1/2	MQ82-8	----

METRIC UNION W/ NICKEL COLLET

CHAMPION	LIST	PTC	MAF #	MAF PRICE
262PPNIC-4MM		4MM		
262PPNIC-6MM		6MM		
262PPNIC-8MM		8MM		
262PPNIC-10MM		10MM		
262PPNIC-12MM		12MM		

METRIC UNION TEE W/ NICKEL COLLET

CHAMPION	LIST	PTC	MAF #	MAF PRICE
264PPNIC-4MM		4MM		
264PPNIC-6MM		6MM		
264PPNIC-8MM		8MM		
264PPNIC-10MM		10MM		
264PPNIC-12MM		12MM		

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

NICKEL PLATED WITH NICKEL COLLET

BRASS FITTINGS

METRIC 90° UNION ELBOW W/ NICKEL COLLET



CHAMPION	LIST	PTC	MAF #	MAF PRICE
265PPNIC-4MM		4MM		
265PPNIC-6MM		6MM		
265PPNIC-8MM		8MM		

METRIC FEMALE ADAPTER W/ NICKEL COLLET



CHAMPION	LIST	PTC X FEMALE BSPP	MAF #	MAF PRICE
266PPNIC-4MMX1/8		4MM x 1/8		
266PPNIC-6MMX1/8		6MM x 1/8		
266PPNIC-6MMX1/4		6MM x 1/4		
266PPNIC-8MMX1/8		8MM x 1/8		
266PPNIC-8MMX1/4		8MM x 1/4		
266PPNIC-10MMX1/4		10MM x 1/4		
266PPNIC-10MMX3/8		10MM x 3/8		

METRIC MALE CONNECTOR W/ NICKEL COLLET



CHAMPION	LIST	PTC X MALE BSPT	MAF #	MAF PRICE
268PPNIC-4MMX1/8		4MM x 1/8		
268PPNIC-4MMX1/4		4MM x 1/4		
268PPNIC-6MMX1/8		6MM x 1/8		
268PPNIC-6MMX1/4		6MM x 1/4		
268PPNIC-8MMX1/8		8MM x 1/8		
268PPNIC-8MMX1/4		8MM x 1/4		
268PPNIC-8MMX3/8		8MM x 3/8		
268PPNIC-10MMX1/4		10MM x 1/4		
268PPNIC-10MMX3/8		10MM x 3/8		
268PPNIC-12MMX1/4		12MM x 1/4		

METRIC 90° MALE ELBOW SWIVEL W/ NICKEL COLLET



CHAMPION	LIST	PTC X MALE BSPT	MAF #	MAF PRICE
269PPSNIC-4MMX1/8		4MM x 1/8		
269PPSNIC-4MMX1/4		4MM x 1/4		
269PPSNIC-6MMXM5		6MM x M5		
269PPSNIC-6MMX1/8		6MM x 1/8		
269PPSNIC-6MMX1/4		6MM x 1/4		
269PPSNIC-8MMX1/8		8MM x 1/8		
269PPSNIC-8MMX1/4		8MM x 1/4		
269PPSNIC-8MMX3/8		8MM x 3/8		
269PPSNIC-10MMX1/4		10MM x 1/4		
269PPSNIC-10MMX3/8		10MM x 3/8		

METRIC BULKHEAD UNION W/ NICKEL COLLET



CHAMPION	LIST	PTC	MAF #	MAF PRICE
283PPNIC-4MM		4MM		
283PPNIC-8MM		8MM		

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STAINLESS STEEL PUSH IN FITTINGS

BRASS FITTINGS

UNION STAINLESS STEEL

CHAMPION	PTC	LIST
262PP-SS-2.5	5/32	
262PP-SS-3	3/16	
262PP-SS-4	1/4	
262PP-SS-5	5/16	
262PP-SS-6	3/8	
262PP-SS-8	1/2	

UNION TEE STAINLESS STEEL

CHAMPION	PTC	LIST
264PP-SS-2.5	5/32	
264PP-SS-4	1/4	
264PP-SS-5	5/16	
264PP-SS-6	3/8	
264PP-SS-8	1/2	

90° UNION ELBOW STAINLESS STEEL

CHAMPION	PTC	LIST
265PP-SS-2.5	5/32	
265PP-SS-4	1/4	
265PP-SS-5	5/16	
265PP-SS-6	3/8	
265PP-SS-8	1/2	

FEMALE ADAPTER STAINLESS STEEL

CHAMPION	PTC X FPT	LIST
266PP-SS-2.5X1032	5/32 x 10-32	
266PP-SS-2.5A	5/32 x 1/8	
266PP-SS-2.5B	5/32 x 1/4	
266PP-SS-4X1032	1/4 x 10-32	
266PP-SS-4A	1/4 x 1/8	
266PP-SS-4B	1/4 x 1/4	
266PP-SS-4C	1/4 x 3/8	
266PP-SS-4D	1/4 x 1/2	
266PP-SS-5A	5/16 x 1/8	
266PP-SS-5B	5/16 x 1/4	
266PP-SS-5C	5/16 x 3/8	
266PP-SS-5D	5/16 x 1/2	
266PP-SS-6B	3/8 x 1/4	
266PP-SS-6C	3/8 x 3/8	
266PP-SS-6D	3/8 x 1/2	
266PP-SS-8B	1/2 x 1/4	
266PP-SS-8C	1/2 x 3/8	
266PP-SS-8D	1/2 x 1/2	

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



STAINLESS STEEL PUSH IN FITTINGS

BRASS FITTINGS

MALE CONNECTOR STAINLESS STEEL



CHAMPION	PTC X MPT	LIST
268PP-SS-2X1032	1/8 x 10-32	
268PP-SS-2.5X1032	5/32 x 10-32	
268PP-SS-2.5A	5/32 x 1/8	
268PP-SS-2.5B	5/32 x 1/4	
268PP-SS-4X1032	1/4 x 10-32	
268PP-SS-4A	1/4 x 1/8	
268PP-SS-4B	1/4 x 1/4	
268PP-SS-4C	1/4 x 3/8	
268PP-SS-4D	1/4 x 1/2	
268PP-SS-5A	5/16 x 1/8	
268PP-SS-5B	5/16 x 1/4	
268PP-SS-5C	5/16 x 3/8	
268PP-SS-5D	5/16 x 1/2	
268PP-SS-6B	3/8 x 1/4	
268PP-SS-6C	3/8 x 3/8	
268PP-SS-6D	3/8 x 1/2	
268PP-SS-8B	1/2 x 1/4	
268PP-SS-8C	1/2 x 3/8	
268PP-SS-8D	1/2 x 1/2	

90° MALE ELBOW SWIVEL STAINLESS STEEL



CHAMPION	PTC X MPT	LIST
269PPS-SS-2.5X1032	5/32 x 10-32	
269PPS-SS-2.5A	5/32 x 1/8	
269PPS-SS-2.5B	5/32 x 1/4	
269PPS-SS-4X1032	1/4 x 10-32	
269PPS-SS-4A	1/4 x 1/8	
269PPS-SS-4B	1/4 x 1/4	
269PPS-SS-4C	1/4 x 3/8	
269PPS-SS-4D	1/4 x 1/2	
269PPS-SS-5A	5/16 x 1/8	
269PPS-SS-5B	5/16 x 1/4	
269PPS-SS-5C	5/16 x 3/8	
269PPS-SS-5D	5/16 x 1/2	
269PPS-SS-6A	3/8 x 1/8	
269PPS-SS-6B	3/8 x 1/4	
269PPS-SS-6C	3/8 x 3/8	
269PPS-SS-6D	3/8 x 1/2	
269PPS-SS-8B	1/2 x 1/4	
269PPS-SS-8C	1/2 x 3/8	
269PPS-SS-8D	1/2 x 1/2	

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BRASS

STAINLESS STEEL PUSH IN FITTINGS

BRASS FITTINGS

MALE RUN TEE SWIVEL STAINLESS STEEL

CHAMPION	PTC X MPT	LIST
271PPS-SS-2.5X1032	5/32 x 10-32	
271PPS-SS-2.5A	5/32 x 1/8	
271PPS-SS-2.5B	5/32 x 1/4	
271PPS-SS-4X1032	1/4 x 10-32	
271PPS-SS-4A	1/4 x 1/8	
271PPS-SS-4B	1/4 x 1/4	
271PPS-SS-4C	1/4 x 3/8	
271PPS-SS-4D	1/4 x 1/2	
271PPS-SS-5A	5/16 x 1/8	
271PPS-SS-5B	5/16 x 1/4	
271PPS-SS-5C	5/16 x 3/8	
271PPS-SS-5D	5/16 x 1/2	
271PPS-SS-6B	3/8 x 1/4	
271PPS-SS-6C	3/8 x 3/8	
271PPS-SS-6D	3/8 x 1/2	
271PPS-SS-8B	1/2 x 1/4	
271PPS-SS-8C	1/2 x 3/8	
271PPS-SS-8D	1/2 x 1/2	

MALE BRANCH TEE SWIVEL STAINLESS STEEL

CHAMPION	PTC X MPT	LIST
272PPS-SS-2.5X1032	5/32 x 10-32	
272PPS-SS-2.5A	5/32 x 1/8	
272PPS-SS-2.5B	5/32 x 1/4	
272PPS-SS-4X1032	1/4 x 10-32	
272PPS-SS-4A	1/4 x 1/8	
272PPS-SS-4B	1/4 x 1/4	
272PPS-SS-4C	1/4 x 3/8	
272PPS-SS-4D	1/4 x 1/2	
272PPS-SS-5A	5/16 x 1/8	
272PPS-SS-5B	5/16 x 1/4	
272PPS-SS-5C	5/16 x 3/8	
272PPS-SS-5D	5/16 x 1/2	
272PPS-SS-6A	3/8 x 1/8	
272PPS-SS-6B	3/8 x 1/4	
272PPS-SS-6C	3/8 x 3/8	
272PPS-SS-6D	3/8 x 1/2	
272PPS-SS-8B	1/2 x 1/4	
272PPS-SS-8C	1/2 x 3/8	
272PPS-SS-8D	1/2 x 1/2	

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STAINLESS STEEL PUSH IN FITTINGS

BRASS FITTINGS

FEMALE BULKHEAD ADAPTER STAINLESS STEEL



CHAMPION	PTC X FPT	LIST
287PP-SS-2.5X1032	5/32 x 10.32	
287PP-SS-2.5A	5/32 x 1/8	
287PP-SS-2.5B	5/32 x 1/4	
287PP-SS-4X1032	1/4 x 10.32	
287PP-SS-4A	1/4 x 1/8	
287PP-SS-4B	1/4 x 1/4	
287PP-SS-4C	1/4 x 3/8	
287PP-SS-4D	1/4 x 1/2	
287PP-SS-5A	5/16 x 1/8	
287PP-SS-5B	5/16 x 1/4	
287PP-SS-5C	5/16 x 3/8	
287PP-SS-5D	5/16 x 1/2	
287PP-SS-6B	3/8 x 1/4	
287PP-SS-6C	3/8 x 3/8	
287PP-SS-6D	3/8 x 1/2	
287PP-SS-8B	1/2 x 1/4	
287PP-SS-8C	1/2 x 3/8	
287PP-SS-8D	1/2 x 1/2	

BULKHEAD UNION STAINLESS STEEL

CHAMPION	PTC	LIST
262BHPP-SS-6	3/8	

BULKHEAD UNION STAINLESS STEEL



CHAMPION	PTC	LIST
283PP-SS-2.5	5/32	
283PP-SS-4	1/4	
283PP-SS-5	5/16	
283PP-SS-6	3/8	
283PP-SS-8	1/2	

Y-CONNECTOR UNION STAINLESS STEEL



CHAMPION	PTC	LIST
289PP-SS-2.5	5/32	
289PP-SS-4	1/4	
289PP-SS-5	5/16	
289PP-SS-6	3/8	
289PP-SS-8	1/2	

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BRASS

COMPOSITE BODY PUSH-IN FITTINGS

BRASS FITTINGS

Composite Body Push-In Fittings

- For Food Grade, see page 340-343

Specifications

Fluid admitted	Air
Working pressure range	0-150 PSI (10BAR)
Min. Burst pressure	340PSI (23BAR)
Working Temperature range	0°F ~160°F

Materials of Construction:

1	Body	Composite Polyacetal (hemopolymer, copolymer)
2	Body	Brass
3	Tube Release	Acetal Resin
4	Retainer	Brass
5	Gripper Ring	Stainless Steel
6	Spacer	Brass
7	O-Ring	NBR 70
8	Threads	Brass w/ white sealant

The latest generation of composite material is used in the body construction in addition to brass on threaded components and stainless steel on the tube gripper.

• Tolerance

+/- .02 on all dimensions. Dimension data can change without notice. Please call us when dimensions are critical.

May you live all the
days of your life.

- Jonathan Swift



GO ONLINE TO VIEW OPEN ORDERS, ORDER HISTORY, AND TRACKING INFORMATION ON ALL SHIPMENTS

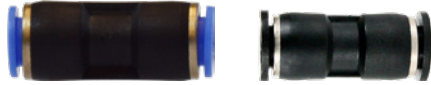
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



COMPOSITE BODY PUSH-IN FITTINGS

BRASS FITTINGS

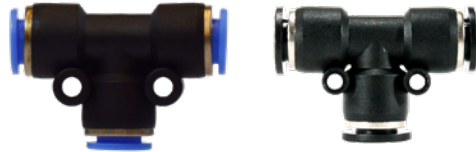
UNION



MIDLAND	CHAMPION	TUBE O.D.	LIST
20017C	262PPC-2	1/8"	
20018C	262PPC-2.5	5/32"	
20001C	262PPC-3	3/16"	
20019C	262PPC-4	1/4"	
20015C	262PPC-5	5/16"	
20020C	262PPC-6	3/8"	
20021C	262PPC-8	1/2"	
	262PPC-42	1/4" x 1/8"	
20016C	262PPC-42.5	1/4" x 5/32"	
20515C	262PPC-54	5/16" x 1/4"	
20022C	262PPC-64	3/8" x 1/4"	
20516C	262PPC-65	3/8" x 5/16"	
20024C	262PPC-86	1/2" x 3/8"	

PQ62P

UNION TEE



MIDLAND	CHAMPION	TUBE O.D.	LIST
20025C	264PPC-2	1/8"	
20026C	264PPC-2.5	5/32"	
20027C	264PPC-3	3/16"	
20028C	264PPC-4	1/4"	
20031C	264PPC-5	5/16"	
20029C	264PPC-6	3/8"	
20030C	264PPC-8	1/2"	
	264PPC-2.54	5/32" x 1/4"	
	264PPC-42.5	1/4" x 5/32"	
	264PPC-46	1/4" x 3/8"	
	264PPC-54	5/16" x 1/4"	
	264PPC-64	3/8" x 1/4"	
	264PPC-65	3/8" x 5/16"	
	264PPC-86	1/2" x 3/8"	

PQ64P

90° UNION ELBOW



MIDLAND	CHAMPION	TUBE O.D.	LIST
20150C	265PPC-2	1/8"	
20151C	265PPC-2.5	5/32"	
20149C	265PPC-3	3/16"	
20152C	265PPC-4	1/4"	
20155C	265PPC-5	5/16"	
20153C	265PPC-6	3/8"	
20154C	265PPC-8	1/2"	

PQ65P

UNION "Y" CONNECTOR



MIDLAND	CHAMPION	TUBE O.D.	LIST
	289PPC-2	1/8"	
20551C	289PPC-2.5	5/32"	
20553C	289PPC-4	1/4"	
20182C	289PPC-5	5/16"	
20555C	289PPC-6	3/8"	
20185C	289PPC-8	1/2"	
	289PPC-46	1/4" x 3/8"	
	289PPC-64	3/8" x 1/4"	

PQ89P

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BRASS

COMPOSITE BODY PUSH-IN FITTINGS

BRASS FITTINGS

FEMALE CONNECTOR

• Brass

MIDLAND	CHAMPION	TUBE O.D. X FEMALE NPT	LIST
	266PPC-2X1032	1/8" x 10-32	
	266PPC-2A	1/8" x 1/8"	
	266PPC-2.5A	5/32" x 1/8"	
	266PPC-2.5B	5/32" x 1/4"	
	266PPC-3A	3/16" x 1/8"	
20034C	266PPC-4A	1/4" x 1/8"	
20035C	266PPC-4B	1/4" x 1/4"	
	266PPC-5A	5/16" x 1/8"	
	266PPC-5B	5/16" x 1/4"	
	266PPC-5C	5/16" x 3/8"	
	266PPC-6A	3/8" x 1/8"	
20036C	266PPC-6B	3/8" x 1/4"	
20037C	266PPC-6C	3/8" x 3/8"	
	266PPC-6D	3/8" x 1/2"	
	266PPC-8B	1/2" x 1/4"	
	266PPC-8C	1/2" x 3/8"	

PQ66P

MALE CONNECTOR

• Nickel Plated

MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
	268PPC-2X1032	1/8" x 10-32	
	268PPC-2X	1/8" x 1/16"	
	268PPC-2A	1/8" x 1/8"	
	268PPC-2B	1/8" x 1/4"	
	268PPC-2.5X1032	5/32" x 10-32	
20050C	268PPC-2.5A	5/32" x 1/8"	
	268PPC-2.5B	5/32" x 1/4"	
	268PPC-3A	3/16" x 1/8"	
	268PPC-3B	3/16" x 1/4"	
20053C	268PPC-4X1032	1/4" x 10-32"	
20054C	268PPC-4A	1/4" x 1/8"	
20055C	268PPC-4B	1/4" x 1/4"	
20056C	268PPC-4C	1/4" x 3/8"	
	268PPC-4D	1/4" x 1/2"	
20530C	268PPC-5A	5/16" x 1/8"	
20531C	268PPC-5B	5/16" x 1/4"	
	268PPC-5C	5/16" x 3/8"	
20057C	268PPC-6A	3/8" x 1/8"	
20058C	268PPC-6B	3/8" x 1/4"	
20059C	268PPC-6C	3/8" x 3/8"	
20062C	268PPC-6D	3/8" x 1/2"	
20060C	268PPC-8B	1/2" x 1/4"	
20061C	268PPC-8C	1/2" x 3/8"	
20063C	268PPC-8D	1/2" x 1/2"	

PQ68P

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COMPOSITE BODY PUSH-IN FITTINGS

BRASS FITTINGS

SWIVEL MALE ELBOW



- Swivels for installation only.
- Not a live swivel
- * Global Thread

MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
	269PPSC-2X1032	1/8" x 10-32	
	269PPSC-2X	1/8" x 1/16"	
20079C	269PPSC-2A	1/8" x 1/8"	
20535C*	269PPSC-2B	1/8" x 1/4"	
20049C*	269PPSC-2.5X1032	5/32" x 10/32	
20080C*	269PPSC-2.5A	5/32" x 1/8"	
20077C*	269PPSC-2.5B	5/32" x 1/4"	
	269PPSC-3A	3/16" x 1/8"	
20517C*		3/16" x 1/4"	
20078C	269PPSC-4X1032	1/4" x 10-32	
20081C	269PPSC-4A	1/4" x 1/8"	
20082C	269PPSC-4B	1/4" x 1/4"	
20086C	269PPSC-4C	1/4" x 3/8"	
20518C*	269PPSC-4D	1/4" x 1/2"	
20537C	269PPSC-5A	5/16" x 1/8"	
20538C	269PPSC-5B	5/16" x 1/4"	
20539C*	269PPSC-5C	5/16" x 3/8"	
20087C	269PPSC-6A	3/8" x 1/8"	
20083C	269PPSC-6B	3/8" x 1/4"	
20084C	269PPSC-6C	3/8" x 3/8"	
20088C	269PPSC-6D	3/8" x 1/2"	
20184C	269PPSC-8B	1/2" x 1/4"	
20085C	269PPSC-8C	1/2" x 3/8"	
20092C*	269PPSC-8D	1/2" x 1/2"	

PQ69PS

LONG PATTERN MALE ELBOWS



MIDLAND	CHAMPION	TUBE O.D. X THREAD	LIST
20572C	269EXTPPSC-4A	1/4" x 1/8"	
20573C	269EXTPPSC-4B	1/4" x 1/4"	
20574C	269EXTPPSC-4C	1/4" x 3/8"	
20579C	269EXTPPSC-6B	3/8" x 1/4"	
20580C	269EXTPPSC-6C	3/8" x 3/8"	
20581C	269EXTPPSC-6D	3/8" x 1/2"	
20582C	269EXTPPSC-8B	1/2" x 1/4"	
20583C	269EXTPPSC-8C	1/2" x 3/8"	
20584C	269EXTPPSC-8D	1/2" x 1/2"	

FEMALE SWIVEL ELBOWS



MIDLAND	CHAMPION	TUBE O.D. X FEMALE NPT	LIST
	270PPSC-2A	1/8" x 1/8"	
	270PPSC-2.5A	5/32" x 1/8"	
	270PPSC-2.5B	5/32" x 1/4"	
	270PPSC-4X1032	1/4" x 10-32	
20089C	270PPSC-4A	1/4" x 1/8"	
20090C	270PPSC-4B	1/4" x 1/4"	
20591C	270PPSC-4C	1/4" x 3/8"	
	270PPSC-5A	5/16" x 1/8"	
	270PPSC-6A	3/8" x 1/8"	
20091C	270PPSC-6B	3/8" x 1/4"	
20595C	270PPSC-6C	3/8" x 3/8"	
20596C		3/8" x 1/2"	
20597C	270PPSC-8C	1/2" x 3/8"	
20598C		1/2" x 1/2"	

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BRASS

COMPOSITE BODY PUSH-IN FITTINGS

BRASS FITTINGS

45° SWIVELS



MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
20139C	279PPSC-4A	1/4" x 1/8"	
20140C	279PPSC-4B	1/4" x 1/4"	

SWIVEL MALE RUN TEE



- Swivels for installation only.
- Not a live swivel
- * Global Thread

MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
	271PPSC-2X1032	1/8" x 10-32	
20160C*	271PPSC-2A	1/8" x 1/8"	
20833C*		1/8" x 1/4"	
20835C*	271PPSC-2.5X1032	5/32" x 10-32	
	271PPSC-2.5A	5/32" x 1/8"	
	271PPSC-2.5B	5/32" x 1/4"	
20834C*	271PPSC-4X1032	1/4" x 10-32	
20162C	271PPSC-4A	1/4" x 1/8"	
20163C	271PPSC-4B	1/4" x 1/4"	
	271PPSC-4C	1/4" x 3/8"	
	271PPSC-5A	5/16" x 1/8"	
	271PPSC-5B	5/16" x 1/4"	
	271PPSC-5C	5/16" x 3/8"	
20099C	271PPSC-6A	3/8" x 1/8"	
20100C	271PPSC-6B	3/8" x 1/4"	
20165C	271PPSC-6C	3/8" x 3/8"	
20181C	271PPSC-6D	3/8" x 1/2"	
20174C	271PPSC-8B	1/2" x 1/4"	
20166C	271PPSC-8C	1/2" x 3/8"	
20167C	271PPSC-8D	1/2" x 1/2"	

PQ71PS

SWIVEL MALE BRANCH TEE



- Swivels for installation only.
- Not a live swivel
- * Global Thread

MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
	272PPSC-2X1032	1/8" x 10-32	
	272PPSC-2X	1/8" x 1/16"	
20103C*	272PPSC-2A	1/8" x 1/8"	
20519C*	272PPSC-2B	1/8" x 1/4"	
20104C*	272PPSC-2.5X1032	5/32" x 10-32	
20109C*	272PPSC-2.5A	5/32" x 1/8"	
20135C*	272PPSC-2.5B	5/32" x 1/4"	
20830C*		3/16" x 1/8"	
20831C*	272PPSC-4X1032	1/4" x 10-32	
20105C	272PPSC-4A	1/4" x 1/8"	
20106C	272PPSC-4B	1/4" x 1/4"	
20121C	272PPSC-4C	1/4" x 3/8"	
20136C*	272PPSC-5A	5/16" x 1/8"	
20137C*	272PPSC-5B	5/16" x 1/4"	
20832C*	272PPSC-5C	5/16" x 3/8"	
	272PPSC-6A	3/8" x 1/8"	
20107C	272PPSC-6B	3/8" x 1/4"	
20108C	272PPSC-6C	3/8" x 3/8"	
20158C*	272PPSC-6D	3/8" x 1/2"	
20138C*	272PPSC-8B	1/2" x 1/4"	
20110C	272PPSC-8C	1/2" x 3/8"	
20111C	272PPSC-8D	1/2" x 1/2"	

PQ72PS

BULKHEAD UNION



MIDLAND	CHAMPION	TUBE O.D.	LIST
	283PPC-2	1/8"	
	283PPC-2.5	5/32"	
20127C	283PPC-4	1/4"	
	283PPC-5	5/16"	
20128C	283PPC-6	3/8"	
20129C	283PPC-8	1/2"	

PQ82P

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COMPOSITE BODY PUSH-IN FITTINGS

BRASS FITTINGS

BULKHEAD FEMALES



MIDLAND	CHAMPION	TUBE O.D. X THREAD	LIST
20170C	287PPC-4A	1/4" x 1/8"	
20171C	287PPC-4B	1/4" x 1/4"	
20172C	287PPC-6B	3/8" x 1/4"	
20173C	287PPC-6C	3/8" x 3/8"	
20175C		1/2" x 1/4"	
20176C		1/2" x 3/8"	
20179C		1/2" x 1/2"	

SWIVEL "Y" CONNECTOR



- Swivels for installation only.
- Not a live swivel

MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
20187C	288PPSC-4A	1/4" x 1/8"	
20557C	288PPSC-4B	1/4" x 1/4"	
20188C	288PPSC-6B	3/8" x 1/4"	
20189C	288PPSC-6C	3/8" x 3/8"	
20193C	288PPSC-6D	3/8" x 1/2"	
20194C	288PPSC-8C	1/2" x 3/8"	
20195C	288PPSC-8D	1/2" x 1/2"	

PQ88PS

IN-LINE NEEDLE VALVE



MIDLAND	CHAMPION	TUBE O.D.	LIST
	959PPC-2	1/8"	
	959PPC-2.5	5/32"	
20487C	959PPC-4	1/4"	
20488C	959PPC-5	5/16"	
20489C	959PPC-6	3/8"	
	959PPC-8	1/2"	

PQ310C

RIGHT ANGLE FLOW CONTROL METER IN



- Marked w/V
- Free flow out

← Metered

→ Free Flow

MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
20727C		1/4" x 1/8"	
20728C		1/4" x 1/4"	
20780C		3/8" x 1/4"	
20781C		3/8" x 3/8"	
20782C		1/2" x 1/2"	

JPQ

RIGHT ANGLE FLOW CONTROL METER OUT



- Marked w/C
- Free flow in

→ Metered

← Free Flow



MIDLAND	CHAMPION	TUBE O.D. X MALE NPT	LIST
20785C	958PPC-4A	1/4" x 1/8"	
20786C	958PPC-4B	1/4" x 1/4"	
20787C		3/8" x 1/4"	
20788C	958PPC-6C	3/8" x 3/8"	
20789C	958PPC-8D	1/2" x 1/2"	

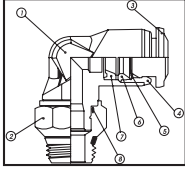
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BRASS

METRIC COMPOSITE BODY PUSH-IN FITTINGS

BRASS FITTINGS

Technical Characteristics



PART 1	BODY	COMPOSITE
PART 2	BODY	NICKEL PLATED BRASS
PART 3	TUBE RELEASE	ACETAL RESIN
PART 4	RETAINER	NICKEL PLATED BRASS
PART 5	GRIPPER RING	STAINLESS STEEL
PART 6	SPACER	COMPOSITE
PART 7	THREAD PACKING	NBR 70
PART 8	O-RING	NBR 70
PART 9	THREAD SEAL	NBR70

Operating Range

Pressure: 0 to 220 PSI (15 bar)

Vacuum: 0 to 29hg (-.99 bar)

Temperature

-5° F to + 175° F (-20° C to + 80° C)

Media

Compressed air.

Non-toxic fluids (water)

Materials

The latest generation of composite material is used in the body construction in addition to nickel-plated brass on threaded components and stainless steel on the tube gripper.

UNION



MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20600	262PPC-4MM	4	
20601	262PPC-6MM	6	
20602	262PPC-8MM	8	
20603	262PPC-10MM	10	
20604	262PPC-12MM	12	
	262PPC-14MM	14	
	262PPC-16MM	16	
	262PPC-6MMX4MM	6 x 4	
	262PPC-8MMX6MM	8 x 6	
	262PPC-10MMX8MM	10 x 8	
	262PPC-12MMX10MM	12 x 10	

UNION ELBOW



MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20806	265PPC-4MM	4	
20660	265PPC-6MM	6	
20661	265PPC-8MM	8	
20807	265PPC-10MM	10	
20808	265PPC-12MM	12	
20740	265PPC-14MM	14	
	265PPC-16MM	16	

3102

UNION TEE



MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20610	264PPC-4MM	4	
20862		5	
20611	264PPC-6MM	6	
20612	264PPC-8MM	8	
20613	264PPC-10MM	10	
20614	264PPC-12MM	12	
20861	264PPC-14MM	14	
	264PPC-16MM	16	

3104

FEMALE ADAPTER



MIDLAND	CHAMPION	TUBE O.D. (MM) X FEMALE BSPT	LIST
	266PPC-4MMX1/8	4 x 1/8	
	266PPC-4MMX1/4	4 x 1/4	
	266PPC-6MMX1/8	6 x 1/8	
	266PPC-6MMX1/4	6 x 1/4	
	266PPC-8MMX1/8	8 x 1/8	
	266PPC-8MMX1/4	8 x 1/4	
	266PPC-10MMX3/8	10 x 3/8	
	266PPC-12MMX3/8	12 x 3/8	
	266PPC-12MMX1/2	12 x 1/2	

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METRIC COMPOSITE BODY PUSH-IN FITTINGS

BRASS FITTINGS

MALE ADAPTER



MIDLAND	CHAMPION	TUBE OD (MM) X MALE BSPT	LIST
	268PPC-4MMXM5	4 x M5	
20630	268PPC-4MMX1/8	4 x 1/8	
20631	268PPC-4MMX1/4	4 x 1/4	
	268PPC-6MMXM5	6 x M5	
20632	268PPC-6MMX1/8	6 x 1/8	
20633	268PPC-6MMX1/4	6 x 1/4	
	268PPC-6MMX3/8	6 x 3/8	
	268PPC-6MMX1/2	6 x 1/2	
	268PPC-8MMX1/8	8 x 1/8	
20634	268PPC-8MMX1/4	8 x 1/4	
20635	268PPC-8MMX3/8	8 x 3/8	
	268PPC-8MMX1/2	8 x 1/2	
	268PPC-10MMX1/8	10 x 1/8	
20636	268PPC-10MMX1/4	10 x 1/4	
20637	268PPC-10MMX3/8	10 x 3/8	
	268PPC-10MMX1/2	10 x 1/2	
20801	268PPC-12MMX1/4	12 x 1/4	
20638	268PPC-12MMX3/8	12 x 3/8	
	268PPC-12MMX1/2	12 x 1/2	
	268PPC-14MMX3/8	14 x 3/8	
	268PPC-14MMX1/2	14 x 1/2	

3175

SWIVEL RUN TEE



MIDLAND	CHAMPION	TUBE OD (MM) X BSPT	LIST
20670		4 x 1/8	
20720*	271PPSNI-4MMX1/4	4 x 1/4	
20721*	271PPSNI-5MMX1/8	5 x 1/8	
20672		6 x 1/8	
20673		6 x 1/4	
20811		8 x 1/8	
20674		8 x 1/4	
20675		8 x 3/8	
20676		10 x 1/4	
20677		10 x 3/8	
20678		12 x 3/8	
20679		12 x 1/2	

- * Global Thread
- BSPP Available

SWIVEL ELBOW



MIDLAND	CHAMPION	TUBE OD (MM) X MALE BSPT	LIST
20690*		4 x M5	
20856*	269PPSC-4MMX1/8	4 x 1/8	
20855*	269PPSC-4MMX1/4	4 x 1/4	
20692*		5 x M5	
20857*		5 x 1/8	
20859*		6 x M5	
20642	269PPSC-6MMX1/8	6 x 1/8	
20803	269PPSC-6MMX1/4	6 x 1/4	
20698*	269PPSC-6MMX3/8	6 x 3/8	
20699*	269PPSC-6MMX1/2	6 x 1/2	
20711*	269PPSC-8MMX1/8	8 x 1/8	
20805	269PPSC-8MMX1/4	8 x 1/4	
20655	269PPSC-8MMX3/8	8 x 3/8	
20712*	269PPSC-8MMX1/2	8 x 1/2	
	269PPSC-10MMX1/8	10 x 1/8	
20656	269PPSC-10MMX1/4	10 x 1/4	
20657	269PPSC-10MMX3/8	10 x 3/8	
20713*	269PPSC-10MMX1/2	10 x 1/2	
20790	269PPSC-12MMX1/4	12 x 1/4	
20658	269PPSC-12MMX3/8	12 x 3/8	
20659	269PPSC-12MMX1/2	12 x 1/2	
20714*	269PPSC-14MMX3/8	14 x 3/8	
20854*	269PPSC-14MMX1/2	14 x 1/2	

- BSPP Available
- * Global Thread

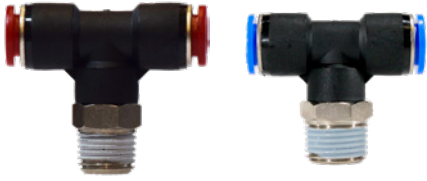
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

METRIC COMPOSITE BODY PUSH-IN FITTINGS

BRASS FITTINGS

SWIVEL BRANCH TEE



- BSPP Available
- * Global Thread

MIDLAND	CHAMPION	TUBE OD (MM) X MALE BSPT	LIST
20680*	272PPSC-4MMX1/8	4 x 1/8	
20860*	272 PPSC-4MMX1/4	4 x 1/4	
20717*		5 x 1/8	
20682	272PPSC-6MMX1/8	6 x 1/8	
20683	272PPSC-6MMX1/4	6 x 1/4	
20809	272PPSC-8MMX1/8	8 x 1/8	
20684	272PPSC-8MMX1/4	8 x 1/4	
20685	272PPSC-8MMX3/8	8 x 3/8	
20686	272PPSC-10MMX1/4	10 x 1/4	
20687	272PPSC-10MMX3/8	10 x 3/8	
20810	272PPSC-10MMX1/2	10 x 1/2	
	272PPSC-12MMX1/4	12 x 1/4	
20688	272PPSC-12MMX3/8	12 x 3/8	
20689	272PPSC-12MMX1/2	12 x 1/2	
20718*	272PPSC-14MMX3/8	14 x 3/8	

CAP



MIDLAND	CHAMPION	TUBE O.D. (MM)	LIST
20610	285PPC-4MM	4	
20862	285PPC-6MM	6	
20611	285PPC-8MM	8	
20612	285PPC-10MM	10	
20613	285PPC-12MM	12	

UNION WYE



MIDLAND	CHAMPION	TUBE OD (MM)	LIST
20813	289PPC-4MM	4	
20814	289PPC-6MM	6	
20815	289PPC-8MM	8	
20746	289PPC-10MM	10	
20802	289PPC-12MM	12	
	289PPC-4MMX6MM	4 x 6	
	289PPC-6MMX8MM	6 x 8	
	289PPC-8MMX10MM	8 x 10	

SWIVEL MALE WYE



- * Global Thread
- BSPP Available

MIDLAND	CHAMPION	TUBE OD (MM)	LIST
20816		4	
20821*		4	
20817*		6	
20818		6	
20819*		8	
20820*		8	
20822*		8	
20823*		10	
20824*		10	
20825*		10	
20826*		12	
20827*		12	

Also available:

- 45° elbow swivel
- 4 position Y
- Manifolds
- Extended swivel elbows
- Bulkhead union
- Plug-in elbows and tees

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D.O.T. PUSH-IN TUBE FITTINGS



Meets D.O.T. FMVSS 571.106 SAE J1131 Air Brake System Require-

Benefits for Cost Savings & Engineering Project

- **Fast assembly:** No tools required. Simply push tubing in. Saves up to 75% of assembly time compared to standard air compression fittings. No loose parts to handle.
- **Fast disconnect:** Hold the collet collar with two fingers and pull out tube. No tools required.
- **Reusable:** Can be connected and disconnected several times.
- **Reliable sealing:** Using recommended tubing, full sealing is guaranteed.
- **Versatility:** Buna N O'ring standard. Fluoroelastomer and others available per request. Secure tube retention. Pulling on tubing only serves to tighten the connection.
- **Pre-Applied Polytetrafluoroethylene®** based pipe sealant on all male pipe threads, saving customer additional labor.
- **Full Flow Design,** provides more flow area than conventional fittings with internal tube supports even in the swivels.

DOT Fittings are constructed with an all brass captive eyelet which allows for maximum flow. The brass captive eyelet with extended length is floating and has a machined top end radius for easy installation of tubing. All male threads have a pre-applied Polytetrafluoroethylene® based pipe sealant to provide for easy assembly and leak proof seal.

▪ Materials:

Brass

"O" Ring: Buna - Nitrile (90 Durometer)

EP (Ethylene Propylene)

▪ Working Pressures & Temperature Ranges

Vacuum to 150 PSI

-40°F to 200° F (-40°C to +93°C)

PRICING FILE AVAILABLE ONLINE

Dimension data can change without notice. Please see our website when dimensions are critical.

D.O.T. PUSH-IN

BRASS FITTINGS

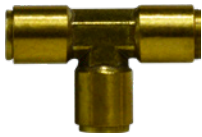
PLUG

AQ59DOT

MIDLAND	AMC	CHAMPION	TUBE O.D.	LIST
595320	02459-53		5/32"	
590400	02459-04		1/4"	
590600	02459-06		3/8"	
590800	02459-08		1/2"	

1829 **DQ59DOT** 639PMT**UNION**AQ62DOT
DQ62

MIDLAND	AMC	CHAMPION	TUBE O.D.	LIST
		262PPDOT-2	1/8"	
620532	02462-53	262PPDOT-2.5	5/32"	
620300		262PPDOT-3	3/16"	
620400	02462-04	262PPDOT-4	1/4"	
		262PPDOT-5	5/16"	
620600	02462-06	262PPDOT-6	3/8"	
620604			3/8" x 1/4"	
620800	02462-08	262PPDOT-8	1/2"	
621000	02462-10	262PPDOT-10	5/8"	
621200	02462-12	262PPDOT-12	3/4"	

AQ62DOT **62PMT** 1862 **DQ62DOT****UNION TEE**AQ64DOT
DQ64

MIDLAND	AMC	CHAMPION	TUBE O.D.	LIST
		264PPDOT-2.5	5/32"	
640400	02464-04	264PPDOT-4	1/4"	
640600	02464-06	264PPDOT-6	3/8"	
640800	02464-08	264PPDOT-8	1/2"	
641000		264PPDOT-10	5/8"	
641200	02464-12	264PPDOT-12	3/4"	
640604		264PPDOT-664	3/8" x 1/4"	
640804		264PPDOT-884	1/2" x 1/4"	

AQ64DOT **164 PMT** 1864 **DQ64DOT****UNION ELBOW**AQ65DOT
DQ65

MIDLAND	AMC	CHAMPION	TUBE O.D.	LIST
655320	02465-53		5/32"	
		265PPDOT-3	3/16"	
650400	02465-04	265PPDOT-4	1/4"	
650600	02465-06	265PPDOT-6	3/8"	
650800	02465-08	265PPDOT-8	1/2"	

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D.O.T. PUSH-IN

BRASS FITTINGS

FEMALE CONNECTOR



AQ66DOT
DQ66

MIDLAND	AMC	CHAMPION	TUBE O.D. X FEMALE NPTF	LIST
		266PPDOT-2.5A	5/32" x 1/8"	
660402	02466-0402	266PPDOT-4A	1/4" x 1/8"	
660404	02466-0404	266PPDOT-4B	1/4" x 1/4"	
660602		266PPDOT-6A	3/8" x 1/8"	
660604	02466-0604	266PPDOT-6B	3/8" x 1/4"	
660606	02466-0606	266PPDOT-6C	3/8" x 3/8"	
660804	02466-0804	266PPDOT-8B	1/2" x 1/4"	
660806	02466-0806	266PPDOT-8C	1/2" x 3/8"	
660808	02466-0808	266PPDOT-8D	1/2" x 1/2"	

AQ66DOT 66PMT 1866 DQ66DOT

MALE CONNECTOR



AQ68DOT
DQ68

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF	LIST
			1/8" x 1/8"	
685320	02468-5300		5/32" x 10/32"	
685321	02468-5301	268PPDOT-2.5X	5/32" x 1/16"	
685322	02468-5302	268PPDOT-2.5A	5/32" x 1/8"	
		268PPDOT-3 x 10/32	3/16" x 10-32"	
680302		268PPDOT-3A	3/16" x 1/8"	
		268PPDOT-3B	3/16" x 1/4"	
		268PPDOT-3X	3/16" x 1/16"	
680421		268PPDOT-4X	1/4" x 1/16"	
680402	02468-0402	268PPDOT-4A	1/4" x 1/8"	
680404	02468-0404	268PPDOT-4B	1/4" x 1/4"	
680406	02468-0406	268PPDOT-4C	1/4" x 3/8"	
680602	02468-0602	268PPDOT-6A	3/8" x 1/8"	
680604	02468-0604	268PPDOT-6B	3/8" x 1/4"	
680606	02468-0606	268PPDOT-6C	3/8" x 3/8"	
680608	02468-0608	268PPDOT-6D	3/8" x 1/2"	
680804	02468-0804	268PPDOT-8B	1/2" x 1/4"	
680806	02468-0806	268PPDOT-8C	1/2" x 3/8"	
680808	02468-0808	268PPDOT-8D	1/2" x 1/2"	
		268PPDOT-8E	1/2" x 3/4"	
681006	02468-1006	268PPDOT-10C	5/8" x 3/8"	
681008	02468-1008	268PPDOT-10D	5/8" x 1/2"	
		268PPDOT-10E	5/8" x 3/4"	
681208	02468-1208	268PPDOT-12D	3/4" x 1/2"	
681212	02468-1212	268PPDOT-12E	3/4" x 3/4"	

AQ68DOT 68PM 1868 DQ68DOT 68PMT

Dimension data can change without notice.
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D.O.T. PUSH-IN

BRASS FITTINGS

MALE ELBOW

Forged

AQ69DOT
DQ69

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF	LIST
695302		269PPDOT-2.5X	5/32" x 1/16"	
695322	02469-5302	269PPDOT-2.5A	5/32" x 1/8"	
690302		269PPDOT-3A	3/16" x 1/8"	
690402	02469-0402	269PPDOT-4A	1/4" x 1/8"	
690404	02469-0404	269PPDOT-4B	1/4" x 1/4"	
690406	02469-0406	269PPDOT-4C	1/4" x 3/8"	
690602	02469-0602	269PPDOT-6A	3/8" x 1/8"	
690604	02469-0604	269PPDOT-6B	3/8" x 1/4"	
690606	02469-0606	269PPDOT-6C	3/8" x 3/8"	
690608	02469-0608	269PPDOT-6D	3/8" x 1/2"	
690804	02469-0804	269PPDOT-8B	1/2" x 1/4"	
690806	02469-0806	269PPDOT-8C	1/2" x 3/8"	
690808	02469-0808	269PPDOT-8D	1/2" x 1/2"	
691006	02469-1006	269PPDOT-10C	5/8" x 3/8"	
691008	02469-1008	269PPDOT-10D	5/8" x 1/2"	
691208	02469-1208	269PPDOT-12D	3/4" x 1/2"	
691212	02469-1212	269PPDOT-12E	3/4" x 3/4"	

AQ69DOT 169PMTNS 1869 DQ69DOT

MALE SWIVEL ELBOW

Forged

AQ62DOTS
DQ69S

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF	LIST
695322S	02569-5302	269PPSDOT-2.5A	5/32" x 1/8"	
		269PPSDOT-2.5B	5/32" x 1/4"	
690402S	02569-0402	269PPSDOT-4A	1/4" x 1/8"	
690404S	02569-0404	269PPSDOT-4B	1/4" x 1/4"	
690406S	02569-0406	269PPSDOT-4C	1/4" x 3/8"	
690602S	02569-0602	269PPSDOT-6A	3/8" x 1/8"	
690604S	02569-0604	269PPSDOT-6B	3/8" x 1/4"	
690606S	02569-0606	269PPSDOT-6C	3/8" x 3/8"	
690608S	02569-0608	269PPSDOT-6D	3/8" x 1/2"	
		269PPSDOT-6E	3/8" x 3/4"	
690804S	02569-0804	269PPSDOT-8B	1/2" x 1/4"	
690806S	02569-0806	269PPSDOT-8C	1/2" x 3/8"	
690808S	02569-0808	269PPSDOT-8D	1/2" x 1/2"	
691006S	02569-1006	269PPSDOT-10C	5/8" x 3/8"	
691008S	02569-1008	269PPSDOT-10D	5/8" x 1/2"	
		269PPSDOT-10E	5/8" x 3/4"	
		269PPSDOT-12C	3/4" x 3/8"	
691208S	02569-1208	269PPSDOT-12D	3/4" x 1/2"	
691212S	02569-1212	269PPSDOT-12E	3/4" x 3/4"	

AQ69DOTS 169PMT 1869 DQ69DOTS

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D.O.T. PUSH-IN

BRASS FITTINGS

FEMALE ELBOW



Forged

AQ70DOTS
DQ70

MIDLAND	AMC	CHAMPION	TUBE O.D. X FEMALE NPTF	LIST
700402	02470-0402	270PPDOT-4A	1/4" x 1/8"	
700404	02470-0404	270PPDOT-4B	1/4" x 1/4"	
700406	02470-0406	270PPDOT-4C	1/4" x 3/8"	
700602			3/8" x 1/8"	
700604	02470-0604	270PPDOT-6B	3/8" x 1/4"	
700606	02470-0606	270PPDOT-6C	3/8" x 3/8"	
700806		270PPDOT-8C	1/2" x 3/8"	
700808	02470-0808	270PPDOT-8D	1/2" x 1/2"	

AQ70DOTS 1870 DQ70DOTS 170PMTNS

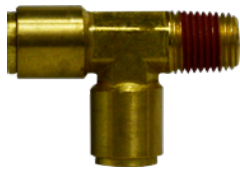
FEMALE SWIVEL ELBOW



AQ70DOTS

MIDLAND	AMC	CHAMPION	TUBE O.D. X FEMALE NPTF	LIST
	02570-0402	270PPSDOT-4A	1/4" x 1/8"	
700404S	02570-0404	270PPSDOT-4B	1/4" x 1/4"	
		270PPSDOT-6B	3/8" x 1/4"	

MALE RUN TEE



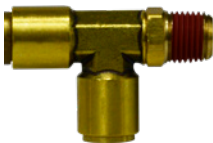
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AQ71DOT
DQ71

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF (1 X 3) X 2	LIST
710402	02471-0402	271PPDOT-4A	1/4" x 1/8"	
			(1/4" x 3/8") x 1/4"	
710404	02471-0404	271PPDOT-4B	1/4" x 1/4"	
710604	02471-0604	271PPDOT-6B	3/8" x 1/4"	
71060404		271PPDOT-64B	(3/8" x 1/4") x 1/4"	
710606	02471-0606	271PPDOT-6C	3/8" x 3/8"	
71060406		271PPDOT-64C	(3/8" x 1/4") x 3/8"	
710608			3/8" x 1/2"	
710806	02471-0806	271PPDOT-8C	1/2" x 3/8"	

AQ71DOT 171PMTNS 1871 DQ71DOT

MALE SWIVEL RUN TEE



Forged

AQ71DOTS
DQ71S

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF	LIST
710402S	02571-0402	271PPSDOT-4A	1/4" x 1/8"	
710404S	02571-0404	271PPSDOT-4B	1/4" x 1/4"	
710604S	02571-0604	271PPSDOT-6B	3/8" x 1/4"	
710606S	02571-0606	271PPSDOT-6C	3/8" x 3/8"	
710804S		271PPSDOT-8B	1/2" x 1/4"	
710806S	02571-0806	271PPSDOT-8C	1/2" x 3/8"	
710808S	02571-0808	271PPSDOT-8D	1/2" x 1/2"	

AQ71DOTS 171PMT 1871 DQ71DOTS

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BRASS

D.O.T. PUSH-IN

BRASS FITTINGS

MALE 45° ELBOW

Forged
AQ54DOT
DQ54

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF	LIST
540402	02454-0402	279PPDOT-4A	1/4" x 1/8"	
540404	02454-0404	279PPDOT-4B	1/4" x 1/4"	
540602	02454-0602	279PPDOT-6A	3/8" x 1/8"	
540604	02454-0604	279PPDOT-6B	3/8" x 1/4"	
540606	02454-0606	279PPDOT-6C	3/8" x 3/8"	
540608	02454-0608	279PPDOT-6D	3/8" x 1/2"	
540804	02454-0804	279PPDOT-8B	1/2" x 1/4"	
540806	02454-0806	279PPDOT-8C	1/2" x 3/8"	
540808		279PPDOT-8D	1/2" x 1/2"	
541006		279PPDOT-10C	5/8" x 3/8"	
541008	02454-1008	279PPDOT-10D	5/8" x 1/2"	
541208		279PPDOT-12D	3/4" x 1/2"	
541212		279PPDOT-12E	3/4" x 3/4"	

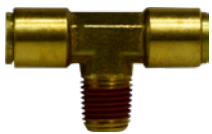
AQ54DOT 179MTNS 1880 DQ54DOT

MALE 45° SWIVEL ELBOW

AQ54DOTS
DQ54S

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF	LIST
540402S	02554-0402	279PPSDOT-4A	1/4" x 1/8"	
540404S	02554-0404	279PPSDOT-4B	1/4" x 1/4"	
540602S	02554-0602	279PPSDOT-6A	3/8" x 1/8"	
540604S	02554-0604	279PPSDOT-6B	3/8" x 1/4"	
540606S	02554-0606	279PPSDOT-6C	3/8" x 3/8"	
		279PPSDOT-6D	3/8" x 1/2"	
540804S	02554-0804	279PPSDOT-8B	1/2" x 1/4"	
540806S	02554-0806	279PPSDOT-8C	1/2" x 3/8"	
540808S	02554-0808	279PPSDOT-8D	1/2" x 1/2"	
		279PPSDOT-10C	5/8" x 3/8"	
541008S	02554-1008	279PPSDOT-10D	5/8" x 1/2"	
		279PPSDOT-12E	3/4" x 3/4"	

AQ54DOTS 179PMT 1880 DQ54DOTS

MALE BRANCH TEE

Forged
AQ72DOT
DQ72

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF (1 X 2) X 3	LIST
		272PPDOT-2.5A	5/32" x 1/8"	
720302			3/16" x 1/8"	
720402	02472-0402	272PPDOT-4A	1/4" x 1/8"	
720404	02472-0404	272PPDOT-4B	1/4" x 1/4"	
720604	02472-0604	272PPDOT-6B	3/8" x 1/4"	
72060404			(3/8" x 1/4") x 1/4"	
720606	02472-0606	272PPDOT-6C	3/8" x 3/8"	
		272PPDOT-6D	3/8" x 1/2"	
720804	02472-0804		1/2" x 1/4"	
720806	02472-0806	272PPDOT-8C	1/2" x 3/8"	
720808			1/2" x 1/2"	

AQ72DOT 172PMTNS 1872 DQ72DOT

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D.O.T. PUSH-IN

BRASS FITTINGS

MALE SWIVEL BRANCH TEE

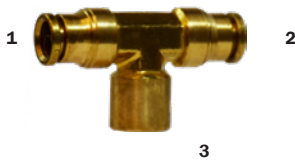


AQ72DOTS
DQ72S

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF	LIST
720402S	02572-0402	272PPSDOT-4A	1/4" x 1/8"	
720404S	02572-0404	272PPSDOT-4B	1/4" x 1/4"	
720602S		272PPSDOT-6A	3/8" x 1/8"	
720604S	02572-0604	272PPSDOT-6B	3/8" x 1/4"	
720606S	02572-0606	272PPSDOT-6C	3/8" x 3/8"	
		272PPSDOT-6D	3/8" x 1/2"	
720804S	02572-0804	272PPSDOT-8B	1/2" x 1/4"	
720806S	02572-0806	272PPSDOT-8C	1/2" x 3/8"	
720808S	02572-0808	272PPSDOT-8D	1/2" x 1/2"	

AQ72DOTS 172PMT 1872 DQ72DOTS

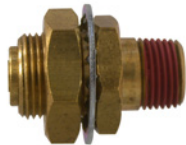
FEMALE BRANCH TEE



AQ77DOT
DQ77

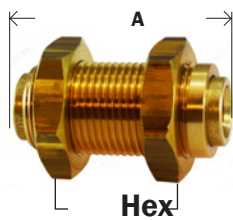
(RUN) BRANCH				
MIDLAND	AMC	CHAMPION	(1 & 2) X 3	LIST
770402	02477-0402	277PPDOT-4A	1/4" x 1/8"	
770404		277PPDOT-4B	1/4" x 1/4"	
770604		277PPDOT-6B	3/8" x 1/4"	
		277PPDOT-6C	3/8" x 3/8"	

GLADHAND BULKHEAD CONNECTOR



TUBE OD X MALE NPTF				
MIDLAND	AMC	CHAMPION	SIZE	LIST
830808			1/2" x 1/2"	

BULKHEAD UNION



AQ82DOT
DQ82

MIDLAND	AMC	CHAMPION	TUBE O.D.	LIST
820400	02482-04	262BHPPDOT-4	1/4"	
820600	02482-06	262BHPPDOT-6	3/8"	
820800	02482-08	262BHPPDOT-8	1/2"	
821000	02482-10	262BHPPDOT-10	5/8"	

AQ82DOT 62PMTBH 1874 DQ82DOTS

FEMALE BULKHEAD UNION



AQ86DOT
DQ86

• Jam nuts not available separately

MIDLAND	AMC	CHAMPION	TUBE O.D. X FEMALE NPTF	LIST
860402	02486-0402	266BHPPDOT-4A	1/4" x 1/8"	
860404	02486-0404	266BHPPDOT-4B	1/4" x 1/4"	
860604	02486-0604	266BHPPDOT-6B	3/8" x 1/4"	
860606		266BHPPDOT-6C	3/8" x 3/8"	
		266BHPPDOT-8C	1/2" x 3/8"	
860808			1/2" x 1/2"	

AQ86DOT 1873 DQ86DOT 66PMTBH

COMPOSITE BODY D.O.T. PUSH-IN

BRASS FITTINGS

COMPOSITE BODY DOT AIRBRAKE FITTINGS

WARNING

- Composite DOT push-to-connect fittings are designed only for use in applications where air is utilized as an operating fluid.
 - Fittings must be used in accordance with manufacturer and industry specifications.
 - They are not intended for use in environments exceeding 145psi or 140 degrees F.
 - The Department of Transportation FMVSS 49CFR571-106 prohibits use of this type of fitting for connections between towed and towing vehicles or between a driveshaft and chassis.
 - Using Composite DOT fittings in a manner inconsistent with manufacturer specifications may result in serious injury or property damage.
 - Under no circumstances shall the supplier be liable to buyer for any consequential or incidental damages of any nature whatsoever arising from nonconformity of goods, defective goods, or delay in shipment or any other breach by seller.
- Please feel free to email warning@compdotfitting.com with any questions or concerns.

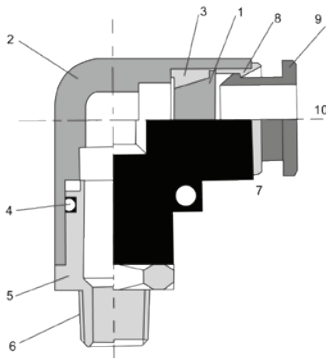


- One touch connection reduces installation time and cost.
- Rugged ultraviolet and vibration resistant composite body.
- Various shapes and configurations to meet vehicle applications and make installations easier.

SPECIFICATIONS FOR FMVSS (D.O.T.) AND SAE COMPLIANT FITTINGS

PRICING FILE AVAILABLE ONLINE

Operating Fluid		Air					
Max. Operating Pressure		145psi (1.0MPa)					
Proof Pressure	Size	5/32"	1/4"	3/8"	1/2"	5/8"	3/4"
	At 75°F (24°C)	1200psi	1200psi	1400psi	950psi	900psi	800psi
	At 200 °F (93°C)	450psi (3.1MPa)					
Recommended Fluid and Ambient Temperature*		-40°F to 140°F (-40°C to 60°C)					
Leak Rate at -40°F (-40°C)		7 Ncm ³ /min. or less					
Thread	Thread Portion	ANSI/ASME B1.20.1, 1983 R1992					
	Nut	JIS B 0208 (Unified fine thread) ISO 263					
Thread Sealant		Fluorine/ Acrylic					
Applicable Standards		D.O.T. FMVSS 49 CFR 571.106, SAE J2494-3					
Applicable Tubing		Tubing conforming to both SAE J844 and D.O.T. FMVSS 49 CFR 571.106. Material: Nylon12					
Tube O.D.		5/32", 1/4", 3/8", 1/2", 5/8", 3/4"					



1. Chuck	Stainless steel or Brass
2. Body	Polybutylene Terephthalate (PBT), Brass
3/4. Tube seal, O-Ring	Buna-N, Nitrile Rubber
5. Stud	Brass
6. Sealant	Flourine/ Acrylic
7. Guide	Stainless Steel or Polyacetal (Acetal)
8. Stabilization Ring	Stainless Steel
9. Release Button	Polyacetal, POM (Acetal)
10. Tube support	Stainless Steel/ Brass

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COMPOSITE BODY D.O.T. PUSH-IN

BRASS FITTINGS

STRAIGHT UNION



MIDLAND	CHAMPION	TUBE OD (INCH)	LIST
620532C	262PPCDOT-2.5	5/32	
620300C	262PPCDOT-3	3/16	
620400C	262PPCDOT-4	1/4	
620600C	262PPCDOT-6	3/8	
620800C	262PPCDOT-8	1/2	
621000C	262PPCDOT-10	5/8	
621200C	262PPCDOT-12	3/4	
620453C	262PPCDOT-42.5	1/4 x 5/32	
640604C	262PPCDOT-64	3/8 x 1/4	
620806CC	262PPCDOT-86	1/2 x 3/8	

UNION TEE



MIDLAND	CHAMPION	TUBE OD (INCH)	LIST
645320C	264PPCDOT-2.5	5/32	
640300C	264PPCDOT-3	3/16	
640400C	264PPCDOT-4	1/4	
640600C	264PPCDOT-6	3/8	
640800C	264PPCDOT-8	1/2	
641000C	264PPCDOT-10	5/8	
640406C	264PPCDOT-446	1/4 x 3/8	
64060604C	264PPCDOT-664	3/8 x 1/4	
640806C	264PPCDOT-886	1/2 x 3/8	

UNION 90° ELBOW



MIDLAND	CHAMPION	TUBE OD (INCH)	LIST
655320C	265PPCDOT-2.5	5/32	
650400C	265PPCDOT-4	1/4	
650600C	265PPCDOT-6	3/8	
650800C	265PPCDOT-8	1/2	
651000C	265PPCDOT-10	5/8	

FEMALE CONNECTOR



MIDLAND	CHAMPION	TUBE OD (INCH)	LIST
665302C	266PPCDOT-2.5A	5/32 x 1/8	
665304C	266PPCDOT-2.5B	5/32 x 1/4	
660302C	266PPCDOT-3	3/16 x 1/8	
660402C	266PPCDOT-4A	1/4 x 1/8	
660404C	266PPCDOT-4B	1/4 x 1/4	
660406C	266PPCDOT-4C	1/4 x 3/8	
660602C	266PPCDOT-6A	3/8 x 1/8	
660604C	266PPCDOT-6B	3/8 x 1/4	
660606C	266PPCDOT-6C	3/8 x 3/8	
660608C	266PPCDOT-6D	3/8 x 1/2	
660802C	266PPCDOT-8A	1/2 x 1/8	
660804C	266PPCDOT-8B	1/2 x 1/4	
660806C	266PPCDOT-8C	1/2 x 3/8	
660808C	266PPCDOT-8D	1/2 x 1/2	
661008C	266PPCDOT-10D	5/8 x 1/2	

COMPOSITE BODY D.O.T. PUSH-IN

BRASS FITTINGS

STRAIGHT MALE CONNECTOR

MIDLAND	CHAMPION	APP. TUBE OD (INCH)	LIST
685301C	268PPCDOT-2.5X	5/32 x 1/16	
685302C	268PPCDOT-2.5A	5/32 x 1/8	
685304C	268PPCDOT-2.5B	5/32 x 1/4	
680302C	268PPCDOT-3A	3/16 x 1/8	
680304C	268PPCDOT-3B	3/16 x 1/4	
680402C	268PPCDOT-4A	1/4 x 1/8	
680404C	268PPCDOT-4B	1/4 x 1/4	
680406C	268PPCDOT-4C	1/4 x 3/8	
680408C	268PPCDOT-4D	1/4 x 1/2	
680602C	268PPCDOT-6A	3/8 x 1/8	
680604C	268PPCDOT-6B	3/8 x 1/4	
680606C	268PPCDOT-6C	3/8 x 3/8	
680608C	268PPCDOT-6D	3/8 x 1/2	
680804C	268PPCDOT-8B	1/2 x 1/4	
680806C	268PPCDOT-8C	1/2 x 3/8	
680808C	268PPCDOT-8D	1/2 x 1/2	
681006C	268PPCDOT-10C	5/8 x 3/8	
681008C	268PPCDOT-10D	5/8 x 1/2	
681012C	268PPCDOT-10E	5/8 x 3/4	
681206C	268PPCDOT-12C	3/4 x 3/8	
681208C	268PPCDOT-12D	3/4 x 1/2	
681212C	268PPCDOT-12E	3/4 x 3/4	

90° MALE ELBOW

• Positional Swivel

MIDLAND	CHAMPION	TUBE OD (INCH)	LIST
695322SC	269PPSCDOT-2.5A	5/32 x 1/8	
695304SC	269PPSCDOT-2.5B	5/32 x 1/4	
690302SC	269PPSCDOT-3A	3/16 x 1/8	
690402SC	269PPSCDOT-4A	1/4 x 1/8	
690404SC	269PPSCDOT-4B	1/4 x 1/4	
690406SC	269PPSCDOT-4C	1/4 x 3/8	
690408SC	269PPSCDOT-4D	1/4 x 1/2	
690602SC	269PPSCDOT-6A	3/8 x 1/8	
690604SC	269PPSCDOT-6B	3/8 x 1/4	
690606SC	269PPSCDOT-6C	3/8 x 3/8	
690608SC	269PPSCDOT-6D	3/8 x 1/2	
690804SC	269PPSCDOT-8B	1/2 x 1/4	
690806SC	269PPSCDOT-8C	1/2 x 3/8	
690808SC	269PPSCDOT-8D	1/2 x 1/2	
690812SC	269PPSCDOT-8E	1/2 x 3/4	
691006SC	269PPSCDOT-10C	5/8 x 3/8	
691008SC	269PPSCDOT-10D	5/8 x 1/2	
691012SC	269PPSCDOT-10E	5/8 x 3/4	
691208SC	269PPSCDOT-12D	3/4 x 1/2	
691212SC	269PPSCDOT-12E	3/4 x 3/4	

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COMPOSITE BODY D.O.T. PUSH-IN

BRASS FITTINGS

90° FEMALE ELBOW



• Positional Swivel

MIDLAND	CHAMPION	TUBE OD (INCH)	LIST
705302C	270PPSCDOT-2.5A	5/32 x 1/8	
705304C	270PPSCDOT-2.5B	5/32 x 1/4	
700402SC	270PPSCDOT-4A	1/4 x 1/8	
700404SC	270PPSCDOT-4B	1/4 x 1/4	
700406SC	270PPSCDOT-4C	1/4 x 3/8	
700602C	270PPSCDOT-6A	3/8 x 1/8	
700604SC	270PPSCDOT-6B	3/8 x 1/4	
700606SC	270PPSCDOT-6C	3/8 x 3/8	
700608SC	270PPSCDOT-6D	3/8 x 1/2	
700804C	270PPSCDOT-8B	1/2 x 1/4	
700806SC	270PPSCDOT-8C	1/2 x 3/8	
700808SC	270PPSCDOT-8D	1/2 x 1/2	

MALE RUN TEE



• Positional Swivel

MIDLAND	CHAMPION	TUBE OD (INCH)	LIST
715301C	271PPSCDOT-2.5X	5/32 x 1/16	
715302C	271PPSCDOT-2.5A	5/32 x 1/8	
715304C	271PPSCDOT-2.5B	5/32 x 1/4	
710402SC	271PPSCDOT-4A	1/4 x 1/8	
710404SC	271PPSCDOT-4B	1/4 x 1/4	
710604SC	271PPSCDOT-6B	3/8 x 1/4	
710606SC	271PPSCDOT-6C	3/8 x 3/8	
710608SC	271PPSCDOT-6D	3/8 x 1/2	
710804C	271PPSCDOT-8B	1/2 x 1/4	
710806SC	271PPSCDOT-8C	1/2 x 3/8	
710808C	271PPSCDOT-8D	1/2 x 1/2	
711008C	271PPSCDOT-10D	5/8 x 1/2	

REDUCING MALE RUN TEE

MIDLAND	CHAMPION	TUBE OD (INCH) 1 X 2 X 3	LIST
71060404C	271PPSCDOT-64B	3/8 x 1/4 x 1/4	
71060406C	271PPSCDOT-64C	3/8 x 1/4 x 3/8	
71080408C	271PPSCDOT-84D	1/2 x 1/4 x 1/2	
71080608C	271PPSCDOT-86D	1/2 x 3/8 x 1/2	

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BRASS

COMPOSITE BODY D.O.T. PUSH-IN

BRASS FITTINGS

MALE BRANCH TEE

- Positional Swivel

MIDLAND	CHAMPION	TUBE OD (INCH)	LIST
725301C	272PPSCDOT-2.5X	5/32 x 1/16	
725302C	272PPSCDOT-2.5A	5/32 x 1/8	
725304C	272PPSCDOT-2.5B	5/32 x 1/4	
720402SC	272PPSCDOT-4A	1/4 x 1/8	
720404SC	272PPSCDOT-4B	1/4 x 1/4	
720406SC	272PPSCDOT-4C	1/4 x 3/8	
720602SC	272PPSCDOT-6A	3/8 x 1/8	
720604SC	272PPSCDOT-6B	3/8 x 1/4	
720606SC	272PPSCDOT-6C	3/8 x 3/8	
720608C	272PPSCDOT-6D	3/8 x 1/2	
720804C	272PPSCDOT-8B	1/2 x 1/4	
720806SC	272PPSCDOT-8C	1/2 x 3/8	
720808SC	272PPSCDOT-8D	1/2 x 1/2	
721006C	272PPSCDOT-10C	5/8 x 3/8	
721008C	272PPSCDOT-10D	5/8 x 1/2	

FEMALE BRANCH TEE

- Positional Swivel

MIDLAND	CHAMPION	TUBE OD (INCH)	LIST
770402C	277PPSCDOT-4A	1/4 x 1/8	
770404C	277PPSCDOT-4B	1/4 x 1/4	
770604C	277PPSCDOT-6B	3/8 x 1/4	
770806C	277PPSCDOT-8C	1/2 x 3/8	
771004C	277PPSCDOT-10B	5/8 x 1/4	

45° MALE ELBOW

- Positional Swivel

MIDLAND	CHAMPION	TUBE OD (INCH)	LIST
545302C	279PPSCDOT-2.5A	5/32 x 1/8	
540402SC	279PPSCDOT-4A	1/4 x 1/8	
540404SC	279PPSCDOT-4B	1/4 x 1/4	
540406SC	279PPSCDOT-4C	1/4 x 3/8	
540602SC	279PPSCDOT-6A	3/8 x 1/8	
540604SC	279PPSCDOT-6B	3/8 x 1/4	
540606SC	279PPSCDOT-6C	3/8 x 3/8	
540608SC	279PPSCDOT-6D	3/8 x 1/2	
540802C	279PPSCDOT-8A	1/2 x 1/8	
540804SC	279PPSCDOT-8B	1/2 x 1/4	
540806SC	279PPSCDOT-8C	1/2 x 3/8	
540808SC	279PPSCDOT-8D	1/2 x 1/2	
541006SC	279PPSCDOT-10C	5/8 x 3/8	
541008SC	279PPSCDOT-10D	5/8 x 1/2	
541206C	279PPSCDOT-12C	3/4 x 3/8	
541208SC	279PPSCDOT-12D	3/4 x 1/2	

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Dimension data can change without notice. Please see our website when dimensions are critical.

COMPOSITE BODY D.O.T. PUSH-IN

BRASS FITTINGS

UNION "Y"



MIDLAND	CHAMPION	A&B TUBE OD (INCH)	LIST
620553C	289PPCDOT-4	1/4	
620409C	289PPCDOT-46	1/4 x 3/8	
620555C	289PPCDOT-6	3/8	
620559C	289PPCDOT-64	3/8 x 1/4	
620557C	289PPCDOT-8	1/2	
620558C	289PPCDOT-10	5/8	

MALE BRANCH "Y"



• Positional Swivel

MIDLAND	CHAMPION	TUBE OD (INCH) X MIP	LIST
880402C	288PPSCDOT-4A	1/4 x 1/8	
880404C	288PPSCDOT-4B	1/4 x 1/4	
880406C	288PPSCDOT-4C	1/4 x 3/8	
620604C	288PPSCDOT-6B	3/8 x 1/4	
620606C	288PPSCDOT-6C	3/8 x 3/8	
620806C	288PPSCDOT-8C	1/2 x 3/8	
620808C	288PPSCDOT-8D	1/2 x 1/2	

BULKHEAD UNION



MIDLAND	CHAMPION	TUBE OD (INCH)	LIST
825320C	262BHPPCDOT-2.5	5/32	
820400C	262BHPPCDOT-4	1/4	
820600C	262BHPPCDOT-6	3/8	
820800C	262BHPPCDOT-8	1/2	
821000C	262BHPPCDOT-10	5/8	

FEMALE BULKHEAD CONNECTOR



MIDLAND	CHAMPION	TUBE OD (INCH) X FIP	LIST
865304C	266BHPPCDOT-2.5B	5/32 x 1/4	
860402C	266BHPPCDOT-4A	1/4 x 1/8	
860404C	266BHPPCDOT-4B	1/4 x 1/4	
860604C	266BHPPCDOT-6B	3/8 x 1/4	
860606C	266BHPPCDOT-6C	3/8 x 3/8	
860806C	266BHPPCDOT-8C	1/2 x 3/8	
860808C	266BHPPCDOT-8D	1/2 x 1/2	

Available on
MidlandIndustries.com

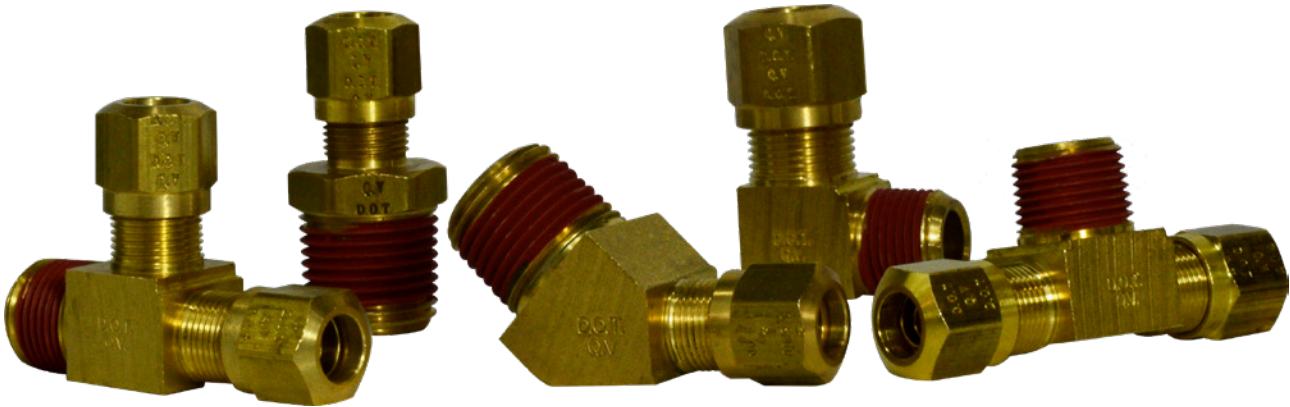


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BRASS

D.O.T. AIR BRAKE - NYLON TUBING

BRASS FITTINGS

D.O.T. AIR BRAKE - NYLON TUBING

Tube O.D	1/4	3/8	1/2	5/8	3/4
Thread Size-B	7/16-24	17/32-24	11/16-20	13/16-18	1-18

-Typical Application

Air brake systems except where temperatures exceed +200°F or where battery acid can drip on tubing.

-Pressure

Maximum operating pressure of 150 PSI.

-Vibration

Fair resistance.

-Temperature Range

-40°F to +200°F (-40°C to +93°C).

-Material

Brass

-Used With

NT Nylon Tubing - SAE J844 Type A and B.

- Tolerance

+/- .02 on all dimensions. Dimension data can change without notice. Please call us when dimensions are critical

-Advantages

Easy to assemble (no tube preparation or flaring required.) Built in tube support. Fittings utilize a ribbed sleeve for compression and positive grip. May be used with copper tubing by replacing nut, sleeve and insert with long nut and spherical sleeve. Insert should be removed for copper tubing use.

-Conformance

Meets specifications and standards of SAE and DOT FMVSS 571,106.

-Assembly Instructions

- 1- Cut tubing to desired length.
- 2-Slide nut and then sleeve on tubing. Threaded end of nut "A" must face toward fitting body.
- 3-Insert tubing into the preassembled fitting. Be sure tubing is bottomed in fitting.
- 4- Tighten nut to required torque as indicated on chart.

Disassembling: Remove nut and pull tubing out of fitting body. Insert will remain in tubing.

Reassembly: Push tubing and insert into fitting body until it bottoms. Thread nut onto fitting body

Tube Size	Additional Number of Turns from Hand-Tight
1/4	3
3/8, 1/2	4
5/8, 3/4	3-1/2

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D.O.T. AIR BRAKE - NYLON TUBING

BRASS FITTINGS

SLEEVE



SAE# 100115
60NA
NT60

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38000		60NAB-3		3/16"	NT60-3	----
38001	00460-04	60NAB-4		1/4"	NT60-4	----
38002	00460-06	60NAB-6		3/8"	NT60-6	----
38003	00460-08	60NAB-8		1/2"	NT60-8	----
38004	00460-10	60NAB-10		5/8"	NT60-10	----
38005	00460-12	60NAB-12		3/4"	NT60-12	----

60NAB 60NTA 1460

NUT



SAE# 100110
62NA
NT61

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38009	00461-03	61NAB-3		3/16"	NT61-3	----
38010	00461-04	61NAB-4		1/4"	NT61-4	----
38011	00461-06	61NAB-6		3/8"	NT61-6	----
38012	00461-08	61NAB-8		1/2"	NT61-8	----
38013	00461-10	61NAB-10		5/8"	NT61-10	----
38014	00461-12	61NAB-12		3/4"	NT61-12	----

61NAB 61NTA 1461

UNION



SAE# 100101BA
62NA
NT62

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38018	00462-03			3/16"	NT62-3	----
38019	00462-04	62NAB-4		1/4"	NT62-4	----
38020	00462-06	62NAB-6		3/8"	NT62-6	----
38021	00462-08	62NAB-8		1/2"	NT62-8	----
38022	00462-10	62NAB-10		5/8"	NT62-10	----
38023	00462-12	62NAB-12		3/4"	NT62-12	----

62NAB 62NTA 1462

BULKHEAD UNION



62NABH
NT62BH

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
		62NABH-3		3/16"	NT62BH-3	----
38028	00483-04	62NABH-4		1/4"	NT62BH-4	----
38029	00483-06	62NABH-6		3/8"	NT62BH-6	----
38030	00483-08	62NABH-8		1/2"	NT62BH-8	----
	00483-10	62NABH-10		5/8"	NT62BH-10	----

62NBH 1474 47

STAINLESS STEEL INSERT



• 300 SERIES
STAINLESS
• For SAE# J844
TUBING
AQ71DOTS
DQ71S

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
					NT63SS1-3	
38035	00463-04	63NAB-4		1/4"	NT63SS1-4	
38036	00463-06	63NAB-6		3/8"	NT63SS1-6	
38037	00463-08	59A-8		1/2"	NT63SS1-8	
38038	00463-10	59A-10		5/8"	NT63SS1-10	
38039	00463-12	59A-12		3/4"	NT63SS1-12	

* STEEL INSERTS AVAILABLE FROM MAF

59A 63NTA

BRASS INSERT



AQ71DOTS
DQ71S

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38040	00473-04	1484X4		1/4"	NT63B-4	----
38041	00473-06	1484X6		3/8"	NT63B-6	----
38042	00473-08	1484X8		1/2"	NT63B-8	----
38043	00473-10	1484X10		5/8"	NT63B-10	----
38048	00473-12	1484X12		3/4"	NT63B-12	----

D.O.T. AIR BRAKE - NYLON TUBING**BRASS FITTINGS****TEE**

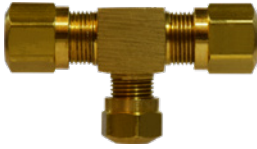
MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38044	00464-04	64NAB-4		1/4"	NT464-4	
38045	00464-06	64NAB-6		3/8"	NT264X6	----
38046	00464-08	64NAB-8		1/2"	NT64-8	----
38047	00464-10	64NAB-10		5/8"	NT64-10	----
				3/4"	NT64-12	----

SAE# 100401BA

64NA

NT64

64NAB 264NTA 1464

REDUCING BRANCH TEE

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. (1&2) X 3	MAF #	MAF PRICE
				(3/8" x 1/4") x 3/8"	NT64R-466	----
38049		64NAB-664		3/8" x 1/4"	NT64FR-664	----
				(1/2" X 3/8") X 1/2	NT64R-868	----
38057		64NAB-886		1/2" x 3/8"		
				3/8" X 1/2"	NT64R-668	----

ELBOW

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38052	00465-04	65NAB-4		1/4"	NT65-4	----
38053	00465-06	65NAB-6		3/8"	NT265X6	----
38054	00465-08	65NAB-8		1/2"	NT65-8	----
38055	00465-10	65NAB-10		5/8"	NT65-10	----

SAE# 100201BA

65NA

NT65

65NAB 265NTA 1465

FEMALE ADAPTER

SAE# 100103BA

66NA

NT66

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X FEMALE NPT	MAF #	MAF PRICE
38060	00466-0402	66NAB-4A		1/4" x 1/8"	NT66-42	----
38061	00466-0404	66NAB-4B		1/4" x 1/4"	NT66-44	----
38062	00466-0602	66NAB-6A		3/8" x 1/8"	NT66-62	----
38063	00466-0604	66NAB-6B		3/8" x 1/4"	NT66-64	----
38064	00466-0606	66NAB-6C		3/8" x 3/8"	NT66-66	----
38065	00466-0806	66NAB-8C		1/2" x 3/8"	NT66-86	----
38066	00466-0808	66NAB-8D		1/2" x 1/2"	NT66-88	----
38067	00466-1006	66NAB-10C		5/8" x 3/8"	NT66-106	----
38068	00466-1008	66NAB-10D		5/8" x 1/2"	NT66-108	----
38059	00466-1208			3/4" x 1/2"	NT66-128	----
				1/2" X 3/4"	NT66-812	----

66NAB 66NTA 1466 66NBH

Dimension data can change without notice. Please see our website when dimensions are critical.

D.O.T. AIR BRAKE - NYLON TUBING

BRASS FITTINGS

MALE ADAPTER



SAE# 100102BA
68NA
NT68VS

• More sizes
available online

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
38069		68NAB-3X		3/16" X 1/16"	NT68-31VS	----
38070		68NAB-3A		3/16" X 1/8"	NT68-32VS	----
		68NAB-3B		5/16 X 1/4		
38072		68NAB-4X		1/4" x 1/16"	NT68-41VS	----
38073	00468-0402	68NAB-4A		1/4" x 1/8"	NT68-42VS	----
38074	00468-0404	68NAB-4B		1/4" x 1/4"	NT68-44VS	----
38075	00468-0406	68NAB-4C		1/4" x 3/8"	NT68-46VS	----
38076	00468-0602	68NAB-6A		3/8" x 1/8"	NT68-62VS	----
38077	00468-0604	68NAB-6B		3/8" x 1/4"	NT68-64VS	----
38078	00468-0606	68NAB-6C		3/8" x 3/8"	NT68-66VS	----
38079	00468-0608	68NAB-6D		3/8" x 1/2"	NT68-68VS	----
38080	00468-0804	68NAB-8B		1/2" x 1/4"	NT68-84VS	----
38081	00468-0806	68NAB-8C		1/2" x 3/8"	NT68-86VS	----
38082	00468-0808	68NAB-8D		1/2" x 1/2"	NT68-88VS	----
38087	00468-0812	68NAB-8E		1/2" x 3/4"	NT68-812VS	----
38083	00468-1006	68NAB-10C		5/8" x 3/8"	NT68-106VS	----
38084	00468-1008	68NAB-10D		5/8" x 1/2"	NT68-108VS	----
38088	00468-1012	68NAB-10E		5/8" x 3/4"	NT68-1012VS	----
		68NAB-12C		5/8" x 3/8"	NT68-126VS	----
38085	00468-1208	68NAB-12D		3/4" x 1/2"	NT68-1218VS	
38086	00468-1212	68NAB-12E		3/4" x 3/4"	NT68-1212VS	----

68NAB 68NTA 1468

SWIVEL MALE ADAPTER



MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
38078S				3/8" x 3/8"	NT68SWW-66VS	
38081S				1/2" x 3/8"	NT68SWW-86VS	

MALE ELBOW



SAE# 100202BA
69NA
NT69VS

• More sizes
available online

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
		69NAB-3A		3/16" X 1/8"	NT69-32VS	----
		69NAB-3B		3/16" X 1/4"	NT69-34VS	----
38091	00469-0402	69NAB-4A		1/4" x 1/8"	NT69-42VS	----
38092	00469-0404	69NAB-4B		1/4" x 1/4"	NT69-44VS	----
38093	00469-0406	69NAB-4C		1/4" x 3/8"	NT69-46VS	----
38094	00469-0602	69NAB-6A		3/8" x 1/8"	NT69-62VS	----
38095	00469-0604	69NAB-6B		3/8" x 1/4"	NT69-64VS	----
38090				3/8" x 1/4" LONG	NT69L-64VS	----
38101	00469-0606	69NAB-6C		3/8" x 3/8"	NT69-66VS	----
38102	00469-0608	69NAB-6D		3/8" x 1/2"	NT69-68VS	----
38103	00469-0804	69NAB-8B		1/2" x 1/4"	NT69-84VS	----
38104	00469-0806	69NAB-8C		1/2" x 3/8"	NT69-86VS	----
38109				1/2" x 3/8" LONG	NT69L-86VS	----
38105	00469-0808	69NAB-8D		1/2" x 1/2"	NT69-88VS	----
38106	00469-1006	69NAB-10C		5/8" x 3/8"	NT69-106VS	----
38107	00469-1008	69NAB-10D		5/8" x 1/2"	NT69-108VS	----
38110	00469-1012	69NAB-10E		5/8" x 3/4"	NT69-1012VS	----
				3/4" X 3/8"	NT69-126VS	----
38108	00469-1208	69NAB-12D		3/4" x 1/2"	NT69-128VS	----
38111	00469-1212	69NAB-12E		3/4" x 3/4"	NT69-1212VS	----

D.O.T. AIR BRAKE - NYLON TUBING

BRASS FITTINGS

SWIVEL MALE ELBOW

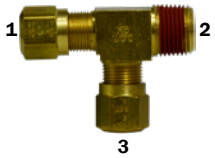
MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
38101S				3/8" x 3/8"	NT69SWV-66VS	----
38104S				1/2" x 3/8"	NT69SWV-86VS	----

FEMALE ELBOW

SAE# 100203BA

70NA
NT70

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X FEMALE NPTF	MAF #	MAF PRICE
		70NAB-3A		3/16" X 1/8"	nt270x3	----
38113	00470-0402	70NAB-4A		1/4" x 1/8"	NT70-42	----
38114	00470-0404	70NAB-4B		1/4" x 1/4"	NT70-44	----
38115	00470-0602	70NAB-6A		3/8" x 1/8"	NT70F-62	----
38116	00470-0604	70NAB-6B		3/8" x 1/4"	NT70F-64	----
38117	00470-0606	70NAB-6C		3/8" x 3/8"	NT70F-66	----
38118	00470-0806	70NAB-8C		1/2" x 3/8"	NT70F-86	----
38119	00470-0808	70NAB-8D		1/2" x 1/2"	NT70F-88	----
38120	00470-1008	70NAB-10D		5/8" x 1/2"	NT70F-108	----

MALE RUN TEE

SAE# 100424BA

71NA
NT71VS

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF X TUBE O.D. 1X2X3	MAF #	MAF PRICE
38125	00471-0402	71NAB-4A		1/4" x 1/8" x 1/4"	NT71-42VS	----
38126	00471-0404	71NAB-4B		1/4" x 1/4" x 1/4"	NT71-44VS	----
38124		71NAB-64B		3/8" x 1/4" x 1/4"	NT71-644VS	----
38127	00471-0604	71NAB-6B		3/8" x 1/4" x 3/8"	NT71-646VS	----
38128	00471-0606	71NAB-6C		3/8" x 3/8" x 3/8"	NT271X6X6VS	----
38129	00471-0806	71NAB-8C		1/2" x 3/8" x 1/2"	NT71-86VS	----
		71NAB-8D		1/2" x 1/2" x 1/2"	NT71-88VS	----
		71NAB-10D		5/8" x 1/2" x 5/8"	NT71-108VS	----

71NAB 271NTA 1471

MALE BRANCH TEE

SAE# 100425BA

72NA
NT72VS

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X TUBE O.D. X MALE NPTF 1X2X3	MAF #	MAF PRICE
		72nab-3a		3/16" x 3/16" x 1/8"		
38136	00472-0402	72NAB-4A		1/4" x 1/4" x 1/8"	NT72-42VS	----
38137	00472-0404	72NAB-4B		1/4" x 1/4" x 1/4"	NT72-44VS	----
38138	00472-0602	72NAB-6A		3/8" x 3/8" x 1/8"	NT72-62VS	----
38132		72NAB-64B		3/8" x 1/4" x 1/4"	NT72-644VS	----
38139	00472-0604	72NAB-6B		3/8" x 3/8" x 1/4"	NT272X6VS	----
38140	00472-0606	72NAB-6C		3/8" x 3/8" x 3/8"	NT272X6X6VS	----
38134	00472-080606	72NAB-86C		1/2" x 3/8" x 3/8"	NT72-866VS	----
38133		72NAB-8B		1/2" x 1/2" x 1/4"	NT7272X8X4VS	----
38141	00472-0806	72NAB-8C		1/2" x 1/2" x 3/8"	NT72-86VS	----
38142	00472-0808	72NAB-8D		1/2" x 1/2" x 1/2"	NT72-88VS	----
38143	00472-1008	72NAB-10D		5/8" x 5/8" x 1/2"	NT72-108VS	----

72NAB 272NTA 1472

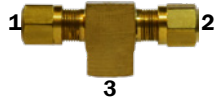
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



D.O.T. AIR BRAKE - NYLON TUBING

BRASS FITTINGS

FEMALE BRANCH TEE



MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X TUBE O.D. X FEMALE NPTF 1X2X3	MAF #	MAF PRICE
38144				3/8" x 3/8" x 1/4"	NT-78-64	
				1/2" x 1/2" x 1/4"	NT-78-104	
38146				5/8" x 5/8" x 1/4"	NT-78-84	

45° ELBOW



SAE# 100302BA
6945NA
NT6945VS

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
38148	00495-0402	79NAB-4A		1/4" x 1/8"	NT6945-42VS	----
38149	00495-0404	79NAB-4B		1/4" x 1/4"	NT6945-44VS	----
38150	00495-0602	79NAB-6A		3/8" x 1/8"	NT6945-62VS	----
38151	00495-0604	79NAB-6B		3/8" x 1/4"	NT6945-64VS	----
38152	00495-0606	79NAB-6C		3/8" x 3/8"	NT6945-66VS	----
38153	00495-0608	79NAB-6D		3/8" x 1/2"	NT6945-68VS	----
38157	00495-0804	79NAB-8B		1/2" x 1/4"	NT6945-84VS	----
38154	00495-0806	79NAB-8C		1/2" x 3/8"	NT6945-86VS	----
38155	00495-0808	79NAB-8D		1/2" x 1/2"	NT6945-88VS	----
		79NAB-10C		5/8" x 3/8"	NT6945-106VS	----
38156	00495-1008	79NAB-10D		5/8" x 1/2"	NT6945-108VS	----
38158	00495-1208	79NAB-12D		3/4" x 1/2"	NT6945-128VS	----

6945NAB 279NTA 1480

SWIVEL 45° ELBOW



MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
38152S				3/8" x 3/8"	NT6945SWV-66VS	----
38154S				1/2" x 3/8"	NT6945SWV-86VS	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

D.O.T. AIR BRAKE - COPPER TUBING

BRASS FITTINGS

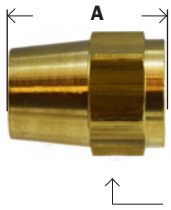
SLEEVE

SAE# 120115BA

60AB
AB60

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38161	00360-04	260A-4		1/4"	AB60-4	----
				5/16"	AB60-5	----
38162	00360-06	260A-6		3/8"	AB60-6	----
38163	00360-08	260A-8		1/2"	AB60-8	----
38164	00360-10	260A-10		5/8"	AB60-10	----
38165	00360-12	260A-12		3/4"	AB60-12	----
				1"	AB60-16	----

60AB 1360

NUT

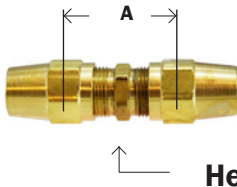
Hex

SAE# 120111BA

61AB
AB61

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38170	00361-04	261A-4		1/4"	AB61-4	----
				5/16"	AB61-5	----
38171	00361-06	261A-6		3/8"	AB61-6	----
38172	00361-08	261A-8		1/2"	AB61-8	----
38173	00361-10	261A-10		5/8"	AB61-10	----
38174	00361-12	261A-12		3/4"	AB61-12	----

20961 61AB 1361

UNION

Hex

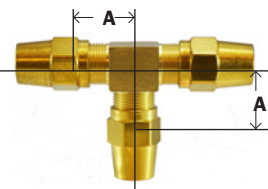
SAE# 120101BA

62AB
AB62

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38179	00362-04	262A-4		1/4"	AB62-4	----
38180	00362-06	262A-6		3/8"	AB62-6	----
38181	00362-08	262A-8		1/2"	AB62-8	----
38182	00362-10	262A-10		5/8"	AB62-10	----
38183	00362-12	262A-12		3/4"	AB62-12	----

BULKHEAD UNIONS AVAILABLE UPON REQUEST

62AB 1362

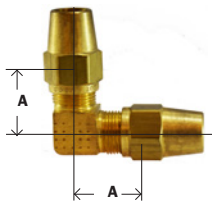
TEE

SAE# 120401BA

64AB
AB64

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38188	00364-04	264A-44		1/4"	AB64-4	----
38189	00364-06	264A-66		3/8"	AB64-6	----
38190	00364-08	264A-88		1/2"	AB64-8	----
38191	00364-10	264A-1010		5/8"	AB64-10	----

264AB 1364

ELBOW

SAE# 120201BA

65AB
A65

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D.	MAF #	MAF PRICE
38196	00365-04	265A-44		1/4"	AB65-4	----
38197	00365-06			3/8"	AB65-6	----
38198	00365-08			1/2"	AB65-8	----
38199	00365-10			5/8"	AB65-10	----

265AB 1365

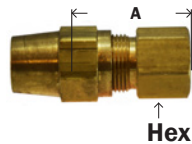
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



D.O.T. AIR BRAKE - COPPER TUBING

BRASS FITTINGS

FEMALE ADAPTER

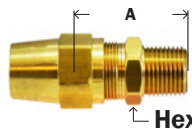


SAE# 120103BA
66AB
AB66

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X FEMALE NPTF	MAF #	MAF PRICE
38204	00366-0402	266A-4A		1/4" x 1/8"	AB66-42	----
38205	00366-0404	266A-4B		1/4" x 1/4"	AB66-44	----
38206	00366-0602	266A-6A		3/8" x 1/8"	AB66-62	----
38207	00366-0604	266A-6B		3/8" x 1/4"	AB66-64	----
38208	00366-0606	266A-6C		3/8" x 3/8"	AB66-66	----
38209	00366-0806	266A-8C		1/2" x 3/8"	AB66-86	----
38210	00366-0808	266A-8D		1/2" x 1/2"	AB66-88	----
38211	00366-1006			5/8" x 3/8"	AB66-106	----
38212	00366-1008	266A-10D		5/8" x 1/2"	AB66-108	----
38213	00366-1208			3/4" x 1/2"	NT66-128	----

66AB 1366

MALE ADAPTER

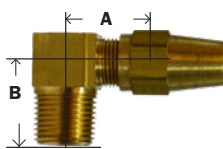


SAE# 120102BA
68AB
AB68

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
38217	00368-0402	268A-4A		1/4" x 1/8"	AB68-42	----
38218	00368-0404	268A-4B		1/4" x 1/4"	AB68-44	----
		268A-4C		1/4" x 3/8"		
		268A-6A		3/8" x 1/8"	AB68-62	----
38221	00368-0604	268A-6B		3/8" x 1/4"	AB68-64	----
38222	00368-0606	268A-6C		3/8" x 3/8"	AB68-66	----
38223	00368-0608	268A-6D		3/8" x 1/2"	AB68-68	----
38224	00368-0804	268A-8B		1/2" x 1/4"	AB68-84	----
38225	00368-0806	268A-8C		1/2" x 3/8"	AB68-86	----
38226	00368-0808	268A-8D		1/2" x 1/2"	AB68-88	----
38227	00368-1006	268A-10C		5/8" x 3/8"	AB68-106	----
38228	00368-1008	268A-10D		5/8" x 1/2"	AB68-108	----
38229	00368-1208	268A-12D		3/4" x 1/2"	AB68-128	----
		268A-12E		3/4" x 3/4"		

68AB 368

90° MALE ELBOW



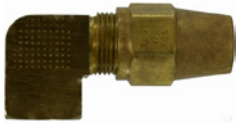
SAE# 120202BA
69AB
AB69

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF	MAF #	MAF PRICE
38235	00369-0402	269A-4A		1/4" x 1/8"	AB69-42	----
38236	00369-0404	269A-4B		1/4" x 1/4"	AB69-44	----
38237	00369-0406	269A-4C		1/4" x 3/8"	AB69-46	----
		269A-6A		3/8" x 1/8"		
38239	00369-0604	269A-6B		3/8" x 1/4"	AB69-64	----
38240	00369-0606	269A-6C		3/8" x 3/8"	AB69-66	----
38241	00369-0608	269A-6D		3/8" x 1/2"	AB69-68	----
		269A-8B		1/2" x 1/4"		
38243	00369-0806	269A-8C		1/2" x 3/8"	AB69-86	----
38244	00369-0808	269A-8D		1/2" x 1/2"	AB69-88	----
	00369-1006			5/8" x 3/8"	AB69-106	----
38246	00369-1008	269A-10D		5/8" x 1/2"	AB69-108	----
38247	00369-1208	269A-12D		3/4" x 1/2"	AB69-128	----

269AB 1369

D.O.T. AIR BRAKE - COPPER TUBING

BRASS FITTINGS

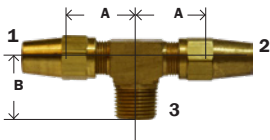
90 DEGREE FEMALE ELBOW

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF (1&2)X3	MAF #	MAF PRICE
38252	00370-0402	270A-4A		1/4 X 1/8	AB70-42	
38253	00370-0404	270A-4B		1/4 X 1/4	AB70-44	
	00370-0602	270A-6A		3/8 x 1/8	AB70-62	
38255	00370-0604	270A-6B		3/8 X 1/4	AB70-64	
38256	00370-0606	270A-6C		3/8 X 3/8	AB70-66	
38257	00370-0806	270A-8C		1/2 X 3/8	AB70-86	
38259	00370-1008	270A-10D		5/8 x 1/2	AB70-108	

MALE RUN TEE

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF (1&2)X3	MAF #	MAF PRICE
38264	00371-0402	271A-4A		1/4" x 1/8"	AB71-42	----
38265	00371-0404	271A-4B		1/4" x 1/4"	AB71-44	----
				3/8" x 1/4"	AB271X6	----
38266	00371-0604	271A-6B		3/8" x 1/4"	AB71F-64	----
38267	00371-0606	271A-6C		3/8" x 3/8"	AB71-66	----
	00371-0806			1/2" x 3/8"	AB71-86	----
38269	00371-0808			1/2" x 1/2"	AB71-88	----
	00371-1008			5/8" x 1/2"	AB71-108	----

271AB 1371

MALE BRANCH TEE

SAE# 120425BA

72AB

AB72

MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF (1&2)X3	MAF #	MAF PRICE
	00372-0402			1/4" x 1/8"	AB72-42	----
	00372-0404			1/4" x 1/4"	AB72-44	----
38278	00372-0604			3/8" x 1/4"	AB72-64	----
38279	00372-0606			3/8" x 3/8"	AB72-66	----
				1/2" x 1/4"	AB72-84	----
38280	00372-0806			1/2" x 3/8"	AB72-86	----
38281	00372-0808			1/2" x 1/2"	AB72-88	----
	00372-1008			5/8" x 1/2"	AB72-108	----

272AB 1372

45° ELBOW

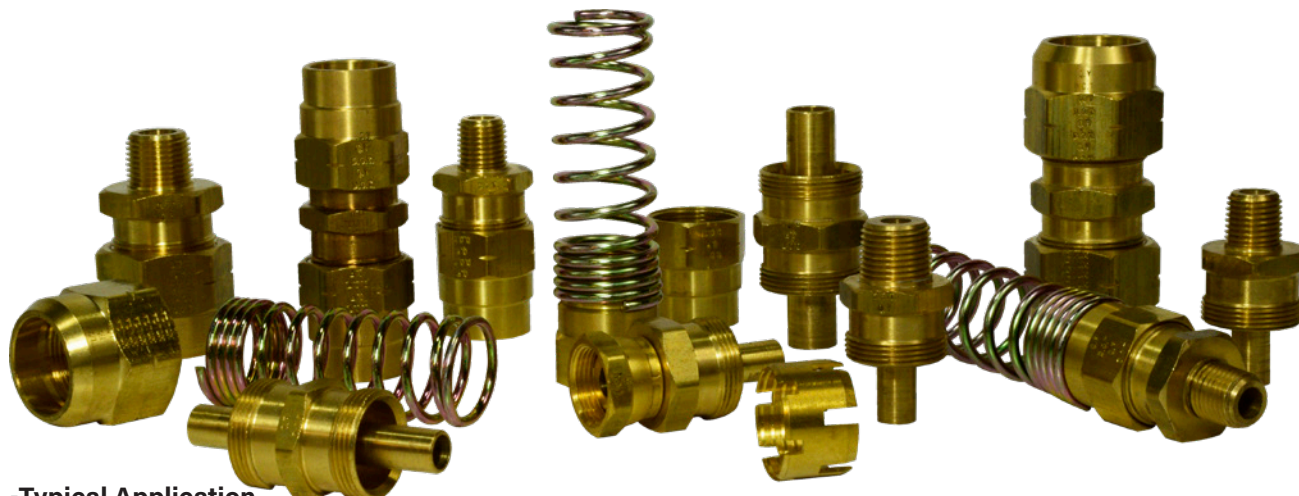
MIDLAND	AMC	CHAMPION	LIST	TUBE O.D. X MALE NPTF (1&2)X3	MAF #	MAF PRICE
38287	00395-0402			1/4" x 1/8"	AB6945-42	----
38288	00395-0404			1/4" x 1/4"	AB6945-44	----
	00395-0602			3/8" x 1/8"	AB6945-62	----
38290	00395-0604			3/8" x 1/4"	AB6945-64	----
38291	00395-0606			3/8" x 3/8"	AB6945-66	----
38292	00395-0608			3/8" x 1/2"	AB6945-68	----
				1/2" x 1/4"	AB6945-84	----
	00395-0806					
38294	00395-0808			1/2" x 1/2"	AB6945-88	----
				5/8" x 3/8"	AB6945-106	----
	00395-1008			5/8" x 1/2"	AB6945-108	----

279AB 1380

D.O.T. AIR BRAKE - HOSE/ ENDS

BRASS FITTINGS

D.O.T. AIR BRAKE REUSABLE HOSE/ FITTINGS



•Typical Application

Air Brake hose connections.
Meets SAE & DOT specifications
(FMVCS 10 GAL)

•Pressure

Determined by maximum working pressure for hose size. Up to 125 psi

Temperature: -40°F to + 120° F (-40°C to +48°C)

•Advantages

Can be used for nearly any brake line. Easy to assemble with a good selection of hose end configurations. Brass material offers excellent resistance against corrosion.

• Tolerance

+/- .02 on all dimensions. Dimension data can change without notice. Please call us when dimensions are critical.

•Assembly Instructions

- 1- Slide nut and sleeve onto hose. Make sure bevel edge of sleeve faces out toward fitting.
- 2- Push hose into fitting until it bottoms.
- 3- Screw nut until contact is made with body hex.

NOTE: When reassembling fitting, body and nut should be inspected. Only reuse if in proper condition. Sleeves should never be reused.

SLEEVE

FERRULE

60HE
HE60



MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. SIZE	MAF #	MAF PRICE
38300	08060-06	360A-6		3/8"	HE60-6	----
38301	08060-08	360A-8		1/2"	HE60-8	----

#60HC 3380-A 0903610 367 60RB

NUT

61HE
HE61



MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. SIZE	MAF #	MAF PRICE
38306	08061-06	361A-6		3/8"	HE61-6	----
38307	08061-08	361A-8		1/2"	HE61-8	----

61RB #61HC 369 3380-B 0903624

NUT FOR USE WITH SPRING



61HES
HE61N

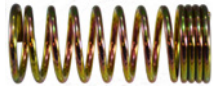
MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. SIZE	MAF #	MAF PRICE
38312	08071-06	361A-6G		3/8"	HE61N-6	----
38313	08071-08	361A-8G		1/2"	HE61N-8	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

D.O.T. AIR BRAKE - HOSE/ ENDS

BRASS FITTINGS

SPRING61HSG
HE61G

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D.	MAF #	MAF PRICE
38351	08070-06	371AS-6		3/8"	HE61G-6	----
38352	08070-08	371AS-8		1/2"	HE61G-8	----

#60SG 0901045 3380-C 377

NUT & SPRING ASSEMBLY

HE61NG

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. SIZE	MAF #	MAF PRICE
38015		371A-6		3/8"	HE61NG-6	----
38016		371A-8		1/2"	HE61NG-8	----

379 67RBSG 0999999

UNION62HE
HE62

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D.	MAF #	MAF PRICE
38318	08062-06	362A-6		3/8"	HE62-6	----
38319	08062-08	362A-8		1/2"	HE62-8	----

#62HC 3380B-Y0 362

**BODY ONLY**

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D.	MAF #	MAF PRICE
39318		B362A-6		3/8"	HE62B-6	----
39319		B362A-8		1/2"	HE62B-8	----

FEMALE CONNECTOR HOSE

66HEA

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X FEMALE ABS	MAF #	MAF PRICE
38357	08066-0612	366A-6		3/8" x 3/4-20	HE68SB-6	----
38358	08066-0814	366A-8		1/2" x 7/8-20	HE68SB-8	----

#66ABS 66RBSV 3380B-Y7 386

**BODY ONLY**

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X FEMALE ABS	MAF #	MAF PRICE
39357				3/8" x 3/4-20	HE685B-6B0	
39358				1/2" x 7/8-20	HE685B-8B0	

MALE CONNECTOR68HEA
HE68S

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE PIPE	MAF #	MAF PRICE
38363	08086-0604	389A-6B		3/8" x 1/4"	HE68S-64	----
	08086-0606	389A-6C		3/8" X 3/8"	HE68S-66	----
		389A-6D		3/8" X 1/2"	HE68S-68	----
38364	08086-0806	389A-8C		1/2" x 3/8"	HE68S-86	----
		389A-8D		1/2" x 1/2"	HE68S-88	----

#68ABS 09155 3380B-Y8 387

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D.O.T. AIR BRAKE - HOSE/ENDS

BRASS FITTINGS

ADAPTER FOR SWIVEL TYPE REUSABLE AND CRIMPED ON



68HEAB
1390

MIDLAND	AMC	CHAMPION	LIST	MALE ABS X MALE PIPE	MAF #	MAF PRICE
38369	08088-0604	388A-12B		3/8" x 1/4"	1390-64	----
38368	08088-0606	388A-12C		3/8" x 3/8"	1390-66	----
38372		388A-12D		3/8" x 1/2"	1390-68	----
38370	08088-0806	388A-14C		1/2" x 3/8"	1390-86	----
38371	08088-0808	388A-14D		1/2" x 1/2"	1390-88	----

#68ABS 1390 76RB 388

MALE ADAPTER



68HE
HE68

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE PIPE	MAF #	MAF PRICE
38333	08068-0604	368A-6B		3/8" x 1/4"	HE68-64	----
38334	08068-0606	368A-6C		3/8" x 3/8"	HE68-66	----
38335	08068-0608	368A-6D		3/8" x 1/2"	HE68-68	----
38336	08068-0806	368A-8C		1/2" x 3/8"	HE68-86	----
38337	08068-0808	368A-8D		1/2" x 1/2"	HE68-88	----

#68HC 368 3380B-Y2 68RB

ADAPTER BODY



68HEB
HE68B

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE PIPE	MAF #	MAF PRICE
38324	08098-0604	B368A-6B		3/8" x 1/4"	HE68B-64	----
38325	08098-0606	B368A-6C		3/8" x 3/8"	HE68B-66	----
38326	08098-0608	B368A-6D		3/8" x 1/2"	HE68B-68	----
38327	08098-0806	B368A-8C		1/2" x 3/8"	HE68B-86	----
38328	08098-0808	B368A-8D		1/2" x 1/2"	HE68B-88	----

#68B W1391Z

MALE ADAPTER



68HES
HE68G

MIDLAND	AMC	CHAMPION	LIST	HOSE I.D. X MALE PIPE	MAF #	MAF PRICE
38342	08078-0604	378A-6B		3/8" x 1/4"	HE68G-64	----
38343	08078-0606	378A-6C		3/8" x 3/8"	HE68G-66	----
38344	08078-0608	378A-6D		3/8" x 1/2"	HE68G-68	----
38345	08078-0806	378A-8C		1/2" x 3/8"	HE68G-86	----
38346	08078-0808	378A-8D		1/2" x 1/2"	HE68G-88	----

#68HCS 3380B-Y3 68RBSG 378

BLACK RUBBER AIR BRAKE HOSE



MIDLAND	AMC	CHAMPION	LIST	HOSE O.D. X HOSE I.D.	MAF #	MAF PRICE
38910		RAB6-50		3/4 x 3/8		
		RAB6-250		3/4 x 3/8		
38915		RAB8-50		7/8 x 1/2		
		RAB8-250		7/8 x 1/2		

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BRASS

STEEL GREASE FITTINGS

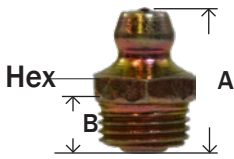
BRASS FITTINGS

- 8000 PSI MAX. PRESSURE
- EXCEEDS 12HR SALT SPRAY
- ASSORTMENTS ALSO AVAILABLE
- Meets SAE #J-534C
- SEE WEBSITE FOR GREASE ACCESSORIES

BALL CHECK - 1/8"-27 NPTF

Many types available on special order.

PIPE THREAD

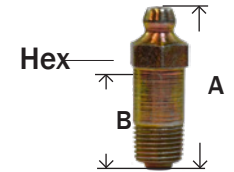


MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36110	08310			1/8" -27 NPTF	610	
36110SS				303 SS		
36111				Thread Forming		

#610 1610 2800 1720 5000

PIPE THREAD

BALL CHECK

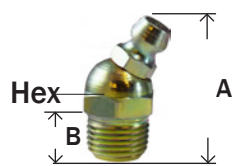


MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36112	08311			1/8" -27 NPTF	607	
36113				1/8" -27 NPTF		

#607 1607 2800 1669 5003

PIPE THREAD

30° ANGLE BALL CHECK

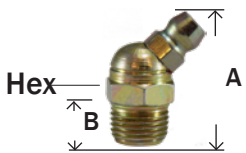


MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36114	08313			1/8" -27 NPTF	611	

#611 1611 2830 5100

PIPE THREAD

45° ANGLE BALL CHECK

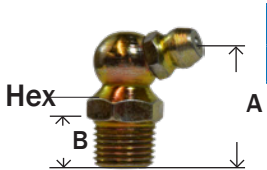


MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36116	08314			1/8" -27 NPTF	688	
36116SS				303 SS		

#688 1688 2845 5200

PIPE THREAD

65° ANGLE BALL CHECK

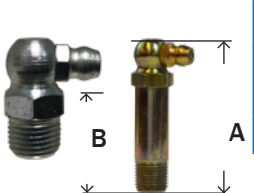


MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36118	08315			1/8" -27 NPTF	612	

#612 1612 2865 5300

PIPE THREAD

90° ANGLE BALL CHECK

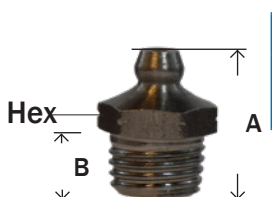


MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36120	08316			1/8" -27 NPTF	613	
36120SS				303 SS		
36121				1/8" -27 NPTF		

#613 1613 2890 5400 5407

PIPE THREAD

BALL CHECK - 1/4"-18 NPTF



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36130	08321			1/4" -18 NPTF	627	
36130SS				303 SS		

#627 1627 2900K 5050

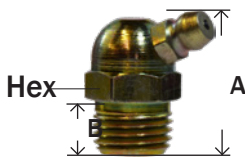
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



STEEL GREASE FITTINGS

BRASS FITTINGS

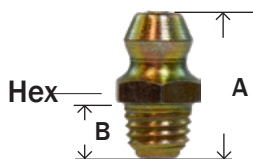
PIPE THREAD 65° ANGLE BALL CHECK



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36132	08324			1/4"-18 NPTF	629	

#629 1629 2965 5350

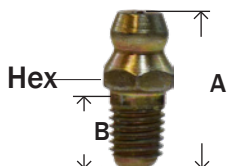
1/4-28 TAPER THREAD SHORT BALL CHECK - 1/4-28 NPTF



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36140	08341			1/4"-28 NPTF	641	
36140SS				303 SS		
36141				Thread Forming		

#641 1641 2400 3038 5010

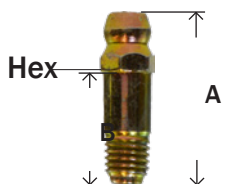
1/4-28 TAPER THREAD LONG BALL CHECK



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36142	08342			1/4"-28 Taper Thread	652	0.34

#652 1652 2400 5013

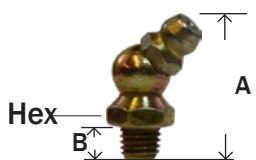
1/4-28 TAPER THREAD EXTRA LONG BALL CHECK



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36144	08343			1/4"-28 Taper Thread	680	

#680 1680 2400 5014

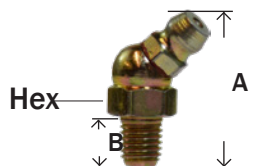
1/4-28 TAPER THREAD SHORT 45° BALL CHECK



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36146	08346			1/4"-28 Taper Thread	637	
36146SS				303 SS		
36147				1/4"-28 Taper Thread		

#637 1637 2445 1665 2465 3010 5210

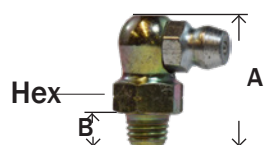
1/4-28 TAPER THREAD LONG 45° BALL CHECK



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36148	08347			1/4"-28 Taper Thread	636	

#636 1630 2445

1/4-28 TAPER THREAD 90° ANGLE BALL CHECK



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36150	08349			1/4"-28 Taper Thread	911	
36150SS				303 SS		
36152				Thread Forming		

SAE# A515002

#911 1911 2490 3054 5410

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

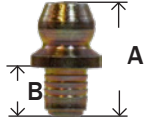
STEEL GREASE FITTINGS

BRASS FITTINGS

DRIVE TYPE BALL CHECK Drive Type

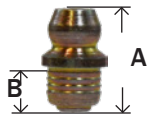
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36160	08375			5/16"	608	

#608 1608 5021

DRIVE TYPE BALL CHECK

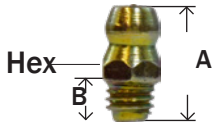
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36164	08373			3/16"	728	
36164SS				303 SS		

#728 1728 2316 5033

DRIVE TYPE BALL CHECK

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36166	08374			1/4"	743	
36166SS				303 SS		

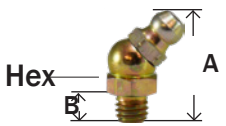
#743 1743 214 5029

METRIC

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36168	08391			6MM x 1	710	

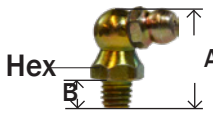
(Diameter x Pitch)

#711 6000 2106 2M6 5175

METRIC 45° ANGLE

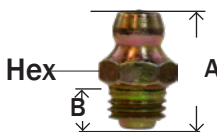
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36170	08392			6MM x 1	712	

#712 6045 2107 5176

METRIC 90° ANGLE

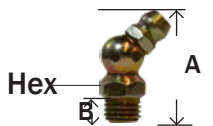
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36172	08393			6MM x 1	713	

#713 6090 2108 ZM906 5177

METRIC

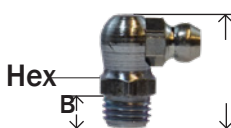
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36174	08394			8MM x 1	810	

#811 8000 2103 ZM58 5178

METRIC 45° ANGLE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36176	08395			8MM x 1	812	

#812 8045 2104 ZM458 5179

METRIC 90° ANGLE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36178	08396			8MM x 1	813	

#813 8090 2105 ZM908 5180

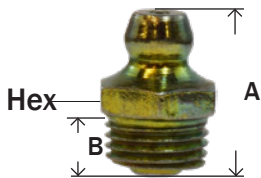
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



STEEL GREASE FITTINGS

BRASS FITTINGS

METRIC



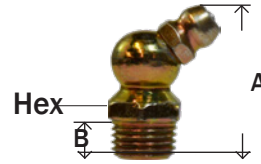
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36180	08397			10MM x 1	910	

• DIAMETER X PITCH (EXTRA FINE)

#911 9000 2109 ZM510 5181

METRIC

45° ANGLE

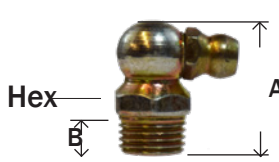


MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36182	08398			10MM x 1	912	

#912 9045 2110 ZM4510 5182

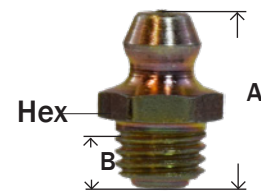
METRIC

90° ANGLE



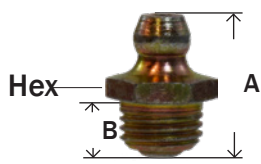
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36184	08399			10MM x 1	913	

#913 9090 2111 ZM9010 5183



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36186	08351			5/16"-24		

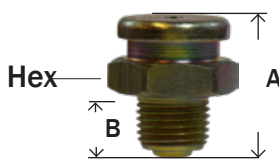
#711-B 1711 2500



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36188	08352			3/8"-24		

#710-B 1710 2600

BUTTON HEAD



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
36200	08302			1/8"-27 PTF		
36205	08304			1/4"-18 NPT		

1184 1186

WHIP HOSE - EXCEEDS SAE 100R1-AT - USE WITH HAND GREASE GUNS ONLY

10,000 PSI BURST PRESSURE RUBBER

3,000 PSI WORKING PRESSURE

3/16" ID

1/8" NPT SOLID BASE

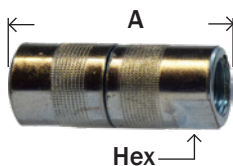


MIDLAND	AMC	CHAMPION	LIST	LENGTH	MAF #	MAF PRICE
36210				12" RUBBER		
36212				18" RUBBER		
36214				24" RUBBER		
36216				36" RUBBER		

4 JAW GREASE GUN COUPLER

PROVIDES QUICK, POSITIVE, LEAKPROOF CONNECTION W/ GREASE

1/8" NPTF



MIDLAND	AMC	CHAMPION	LIST	LENGTH	MAF #	MAF PRICE
36220				1.50		

STEEL GREASE FITTINGS

BRASS FITTINGS

Adapters for Grease Fittings

ADAPTERS

• CARBON STEEL, ZINC COATED



MIDLAND	AMC	CHAMPION	LIST	FEMALE	MALE	MAF #	MAF PRICE
36300				1/8"-27 NPTF	1/4"-28" SAE-LT		
36301				1/8"-27 NPTF	1/4"-28" SAE-LT		



MIDLAND	AMC	CHAMPION	LIST	FEMALE ENGLISH TO MALE ENGLISH		MAF #	MAF PRICE
36304				1/4"-28 UNF	M6 x 1.0		
36305				1/4"-28 UNF	M8 x 1.0		
36306				1/4"-28 UNF	M10 x 1.0		

EXTENSIONS

MIDLAND	AMC	CHAMPION	LIST	FEMALE ENGLISH TO MALE ENGLISH		MAF #	MAF PRICE
36307				1/4"-28 UNF	1/4"-28 SAE-LT		
36308				1/8"-27 NPTF	1/8"-27 NPTF		
36309*				1/8"-27 NPTF	1/8"-27 NPTF		
36310				1/8"-27 NPTF	1/8"-27 NPTF		
36311				1/8"-27 NPTF	1/8"-27 NPTF		

*BRASS PLATED

45° ANGLE ELBOWS

MIDLAND	AMC	CHAMPION	LIST	FEMALE	MALE	MAF #	MAF PRICE
36360				1/8"-27 NPTF	1/4"-28 SAE-LT		
36362				1/8"-27 NPTF	1/8"-27 PTF SAE Short		

90° ANGLE ELBOWS

MIDLAND	AMC	CHAMPION	LIST	FEMALE	MALE	MAF #	MAF PRICE
36370				1/8"-27 NPTF	1/4"-28 SAE-LT		
36371				1/8"-27 NPTF	1/4"-28 SAE-LT		
36372				1/8"-27 NPTF	1/4"-18 PTF SAE Short		
36374				1/8"-27 NPTF	1/8"-27 PTF SAE Short		
36375				1/8"-27 NPTF	1/8"-27 NPTF		
36377				1/4"-18 NPTF	1/4"-18 NPTF		
36376				1/8"-27 NPTF	1/8"-27 NPTF		
36373				1/8"-27 PTF SPL Extra Short	1/8"-27 PTF SPL Extra Short		

COUPLING

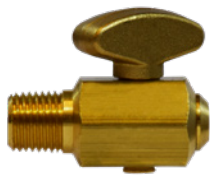
MIDLAND	AMC	CHAMPION	LIST	FEMALE	FEMALE	MAF #	MAF PRICE
36340				1/4"-28 UNF	1/8"-27 NPTF		

BULKHEAD CONNECTOR

MIDLAND	AMC	CHAMPION	LIST	FEMALE	MALE (FEMALE)	MAF #	MAF PRICE
36350				1/8"-27 NPTF	1/8"-27 NPSM (1/4"-28 UNF)		

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

SPECIALTY VALVES AND COCKS



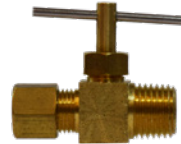
DRAIN COCKS



AIR VALVES



3, 4 AND 6 WAY



NEEDLE



MARINE & ANTI-SIPHON



PANEL MOUNT BALL VALVES



TRUCK



MINI BALL



SOLID BOTTOM SHUT-OFF



CHECK



SPRING BOTTOM SHUT-OFF

MORE VALVES ON OUR WEBSITE
See our valve section for much, much more!

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

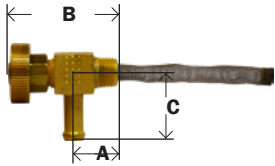
DRAIN COCKS

BRASS FITTINGS

DRAIN COCKS

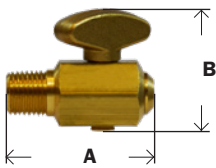
- For use with low pressure air, water and fluids.
- Designed for a working pressure of 150 psi @ 250°.
- Hand-tightening provides a metal-to-metal seal.
- Not intended for natural gas, LPG, nuclear or aircraft applications.

Install on your tank for easy draining

GASOLINE SHUT OFF W/ SCREEN FILTER

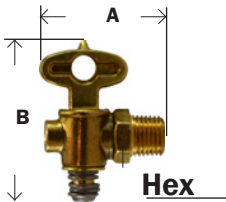
MIDLAND	AMC	CHAMPION	LIST	BARB X MALE PIPE	MAF #	MAF PRICE
46064				1/4" x 1/8"	MA6600	----

827

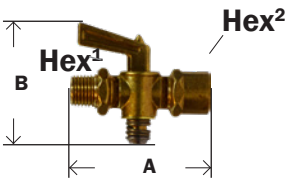
DRAIN COCK 150 PSI - TRUNK AIR TANK

MIDLAND	AMC	CHAMPION	LIST	MALE PIPE	MAF #	MAF PRICE
46066		40D		1/4"	PRC601-4	

DCR601-4

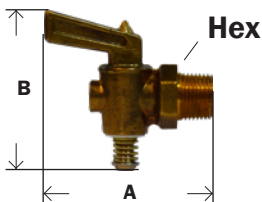
TRUCK DRAIN - 125 P.S.I.G

MIDLAND	AMC	CHAMPION	LIST	MALE PIPE	MAF #	MAF PRICE
46067	09403-02	37D		1/8"	H37P	----
46-068	09403-04	38D		1/4"	H38P	

SHUT OFF - 150 P.S.I MAX.

MIDLAND	AMC	CHAMPION	LIST	MALE PIPE X FEMALE PIPE	INDUSTRY NUMBER	MAF #	MAF PRICE
46069		H130C-L		1/4"	W20332	H49P	----

#60HC 3380-A 0903610 367

LEVER HANDLE

MIDLAND	AMC	CHAMPION	LIST	MALE PIPE	INDUSTRY NUMBER	MAF #	MAF PRICE
46070	09404-02	41D		1/8"	41P		
46071	09404-04	42D		1/4"	42P		
46072	09404-06	43D		3/8"	43P		
46073	09404-08	44D		1/2"	44P		

- 30 psi

840 41D DC601

*Valve is closed when handle is in the position of the picture

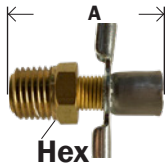
AIR TANK DRAIN PULL VALVE - 1/4 MALE

MIDLAND	AMC	CHAMPION	LIST	LENGTH OF CABLE	MAF #	MAF PRICE
39595		327-5		5'	MA595-60	----
39596		327-4		4'	MA595-68	
39597				3'	MA595-36	----
39600				AIR VALVE	MA595	----

DRAIN COCKS

BRASS FITTINGS

INTERNAL SEAT



MIDLAND	AMC	CHAMPION	LIST	MALE PIPE	MAF #	MAF PRICE
46079				1/8"	MA6783	----

DC602 808 400A 1800A

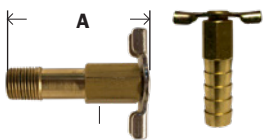
INTERNAL SEAT - WING NUT HANDLE



MIDLAND	AMC	CHAMPION	LIST	MALE PIPE	MAF #	MAF PRICE
46074	09440-02	300D		1/8"	MA130	
46075	09440-04	301D		1/4"	MA140	
46077		302D		3/8"	MA230	

HB - 5/16 803 305A

LONG INTERNAL SEAT



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46078				1/8 MIP	MA185	----
46076				3/8" Hose I.D.		

46-078

46-076

809

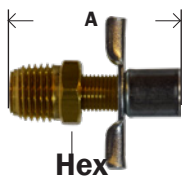
PIN HANDLE - INTERNAL SEAT



MIDLAND	AMC	CHAMPION	LIST	MALE PIPE	MAF #	MAF PRICE
46080	09420-02	200D		1/8"	200P	----
46081	09420-04	201D		1/4"	201P	----
46082	09420-06	202D		3/8"	202P	----

DC603 802

EXTERNAL SEAT W/ SPOUT



MIDLAND	AMC	CHAMPION	LIST	MALE PIPE	INDUSTRY NUMBER	MAF #	MAF PRICE
	09442-02	420D		1/8"		420P	
46084*	09442-04	421D		1/4"	6788	421P	

* Replaces GM # 511771 & Chrysler #836015

200A 239 DC606 807

BIBB VALVE

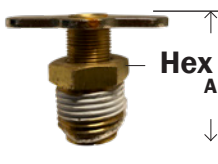


MIDLAND	AMC	CHAMPION	LIST	MALE PIPE	INDUSTRY NUMBER	MAF #	MAF PRICE
46088	09430-02	200DH		1/8"	150	302P	----
46089	09430-04	201DH		1/4"	120	303P	----
46089A				1/4"	6660	MA6660	----

* With valve closed

804 DC607 2019 201DH

RADIATOR TYPE - EXTERNAL SEAT



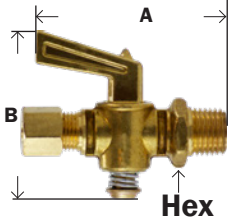
MIDLAND	AMC	CHAMPION	LIST	MALE PIPE	IND #	MAF #	MAF PRICE
46085	09432-02	320D		1/8"	135	320P	
46086	09432-04	321D		1/4"	145	321P	
46087	09432-06	322D		3/8"	270	322P	
46083	09432-08	323D		1/2"	108	323P	

320D 240 DC604 801

SHUT-OFF COCKS

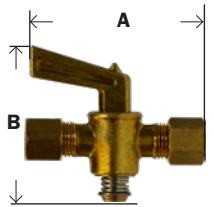
BRASS FITTINGS

- Designed for working pressure of 30 PSI.
- Forged brass bodies and brass handles.
- Instantaneous off-on operation with 360° rotation.
- Not good for gasoline.

COMPRESSION X MALE PIPE

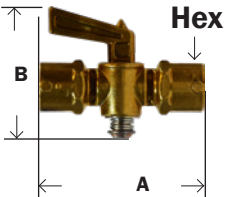
MIDLAND	AMC	CHAMPION	LIST	COMP X MALE PIPE	MAF #	MAF PRICE
46130	09201-0402	27CC		1/4" x 1/8"	27C	----
46131	09201-0404	227CC		1/4" x 1/4"	227C	----
46132	09201-0502	133C-5J		5/16" x 1/8"	29C	
	09201-0504			5/16" x 1/4"	229C	----
46134	09201-0604	57CC		3/8" x 1/4"	57C	----
46-135	09201-0606			3/8" x 3/8"	557C	----

868 V304C 2068 133C VC206

COMPRESSION X COMPRESSION

MIDLAND	AMC	CHAMPION	LIST	COMP X COMP	MAF #	MAF PRICE
46140	09206-04	28CC		1/4"	28C	----
46141	09206-05	30CC		5/16"	30C	----
46142	09206-06	58CC		3/8"	58C	----
46143	09206-08	68CC		1/2"	68C	

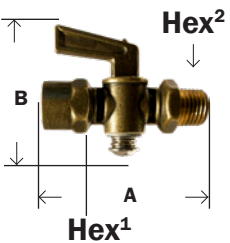
V3030F 2062 134C

FEMALE X FEMALE PIPE

MIDLAND	AMC	CHAMPION	LIST	FEMALE PIPE X FEMALE PIPE	MAF #	MAF PRICE
46151	09234-02	31PC		1/8"	31P	
46152	09234-04	32PC		1/4"	32P	
46152T*				1/4"	H32P	----
46153	09234-06	40PC		3/8"	40P	

* 150 PSI

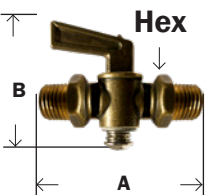
V403P 132C 875

MALE PIPE X FEMALE

MIDLAND	AMC	CHAMPION	LIST	MALE PIPE X FEMALE PIPE	MAF #	MAF PRICE
46160	09235-02	48PC		1/8"	48P	
46161	09235-04	49PC		1/4"	49P	
46161T*				1/4"	H49P	----
46162	09235-06	50PC		3/8"	50P	

* 150 PSI

880 V402P 130C

MALE PIPE X MALE PIPE

MIDLAND	AMC	CHAMPION	LIST	MALE PIPE X MALE PIPE	IND. #	MAF #	MAF PRICE
46165	09208-02	76PC		1/8"	76-P	76P	
46166	09208-04	77PC		1/4"	77-P	77P	
46166T*				1/4"		H77P	----
46167	09208-06	78PC		3/8"	78-P	78P	

* 150 PSI

1V401P 890

SHUT-OFF COCKS

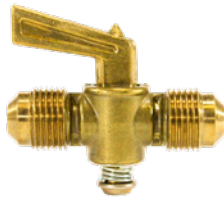
BRASS FITTINGS

MALE FLARE X MALE PIPE



MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X MALE PIPE	MAF #	MAF PRICE
46100	09204-0402	27SAE		1/4" x 1/8"	27SAE	----
46101	09204-0404	227SAE		1/4" x 1/4"	227SAE	----
46102	09204-0502			5/16" x 1/8"	295SAE	
46103	09204-0504			5/16" x 1/4"	229SAE	----
46104	09204-0604	57SAE		3/8" x 1/4"	57SAE	----
	09204-0606			3/8" x 3/8"		
	09204-0608			3/8" x 1/2"	577SAE	
46107	09204-0806	67SAE		1/2" x 3/8"	67SAE	----
	09204-0808			1/2" x 1/2"	77SAE	----

MALE FLARE X MALE FLARE



MIDLAND	AMC	CHAMPION	LIST	MALE FLARE	IND. #	MAF #	MAF PRICE
46115	09210-04	28SAE		1/4"		28SAE	----
	09210-05			5/16"		30SAE	----
46117	09210-06	58SAE		3/8"		58SAE	----
46118	09210-08	68SAE		1/2"		68SAE	----
	09210-10			5/8"		1010SAE	----

MALE FLARE X FEMALE PIPE



MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X FEMALE PIPE	IND. #	MAF #	MAF PRICE
46125	09205-0608	161SAE		3/8" x 1/2"		161SAE	----
46127	09205-0606	163SAE		3/8" x 3/8"		163SAE	----
46128	09205-0808	164SAE		1/2" x 1/2"		164SAE	----
46126				3/8" x 9/16-24		161SAE	----
	09205-1012			5/8" x 3/4"		167SAE	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

NEEDLE VALVES

BRASS FITTINGS

NEEDLE VALVES

THESE ARE NOT LEAD FREE SEE PAGES 169 FOR LEAD FREE PRODUCTS

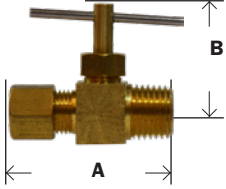
Made with either pin handle or pressed on handle.

Please specify if you have a preference.

metal

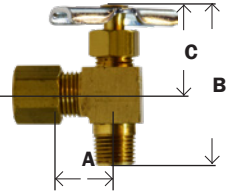
- Used on instrumentation, hydraulic, and pneumatic systems.
- Designed for a maximum working pressure of 150 PSI. or

- Provided with steel handles and metal-to-seats with fine-thread screwdown.
- Not designed for natural gas, LPG, nuclear aircraft applications.
- Always install with pressure against the seat.

COMP X MALE PIPE

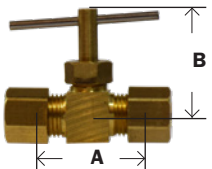
MIDLAND	AMC	CHAMPION	LIST	COMP X MALE PIPE	MAF #	MAF PRICE
46001	09101-0302			3/16" x 1/8"	133C	----
46002	09101-0402	101CP		1/4" x 1/8"	101C	----
46003	09101-0404	101CP-4		1/4" x 1/4"	1101C	----
46004	09101-0502	102-C		5/16" x 1/8"	102C	----
46005	09101-0604	143CP		3/8" x 1/4"	143C	----

NV106C 2205 820 3068

COMP X MALE PIPE-ANGLE

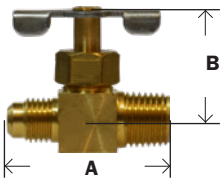
MIDLAND	AMC	CHAMPION	LIST	COMP X MALE PIPE	MAF #	MAF PRICE
46011	09103-0402	103CC		1/4" x 1/8"	103C	----
46011X				Heavy Pattern		
46012	09103-0404	103-4CC		1/4" x 1/4"	104C	----
46013	09103-0502	203CC		5/16" x 1/8"	203C	----
	09103-0602	303ACC		3/8" x 1/8"	302C	
46016	09103-0604	303CC		3/8" x 1/4"	303C	----

NV104C 2203 821 3069

COMP X COMP

MIDLAND	AMC	CHAMPION	LIST	COMP X COMP	MAF #	MAF PRICE
46020				3/16"	105C	----
46021	09106-04	106CC		1/4"	106C	----
46022	09106-05	107CC		5/16"	107C	----
46023	09106-06	113CC		3/8"	113C	----

NV105C 3062 2201 822

FLARE X MALE PIPE

MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X MALE PIPE	MAF #	MAF PRICE
46028	09104-0402	104SAE		1/4" x 1/8"	104SAE	----
46029	09104-0404	105SAE		1/4" x 1/4"	1104SAE	----
	09104-0502			5/16" x 1/8"	106SAE	----
46031	09104-0604	108SAE		3/8" x 1/4"	108SAE	----

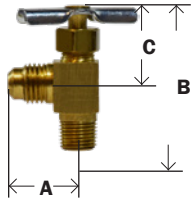
NV103F 2405 823 3048

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NEEDLE VALVES

BRASS FITTINGS

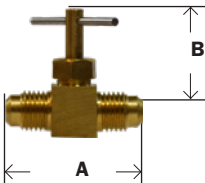
FLARE X MALE PIPE



MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X MALE PIPE	MAF #	MAF PRICE
46036	09102-0402	103SAE		1/4" x 1/8"	103SAE	----
46038		203SAE		5/16" x 1/8"	203SAE	----
46039		204SAE		5/16" x 1/4"	204SAE	----
46040	09102-0604	303SAE		3/8" x 1/4"	303SAE	----

NV101F 2403 824 3049

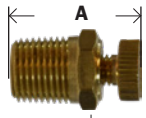
FLARE X FLARE



MIDLAND	AMC	CHAMPION	LIST	MALE FLARE X MALE FLARE	MAF #	MAF PRICE
46045	09110-04	110SAE		1/4"	110SAE	----
46046	09110-06	115SAE		3/8"	115SAE	----

NV102F 3042 825 2401

MULTI-PURPOSE AIR VENT



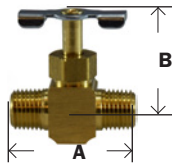
Hex

MIDLAND	AMC	CHAMPION	LIST	MALE PIPE	MAF #	MAF PRICE
46048		340AV		1/8"	AV-2S	----
46048S*				1/8"		

* #303 Stainless Steel

705

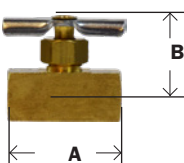
MALE PIPE TO MALE PIPE



MIDLAND	AMC	CHAMPION	LIST	MALE PIPE X MALE PIPE	MAF #	MAF PRICE
46050	09108-02	108MP		1/8"	108P	----
46051	09108-04	110MP		1/4"	110P	----
				3/8"	202P	----

NV107P 2301 826 3122

FEMALE PIPE X FEMALE PIPE

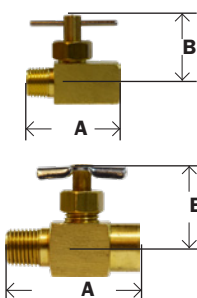


MIDLAND	AMC	CHAMPION	LIST	FEMALE PIPE X FEMALE PIPE	MAF #	MAF PRICE
46055*	09134-02	31NV		1/8"	304P	----
46056	09134-04	32NV		1/4"		
46056P*				1/4" Heavy	3044PFH	----

* Pressed on handle

6800 NV109P 2304 817 3103

MALE X FEMALE PIPE NBR seals -30°C to 120°C



MIDLAND	AMC	CHAMPION	LIST	MALE PIPE X FEMALE PIPE	MAF #	MAF PRICE
46060	09135-02	48NV		1/8"	305P	----
46061	09135-04	49NV		1/4"	3055P	----
46061L				1/4" Light Pattern	3055PFH	----

NV108P 2305 818 3120

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

SPECIALTY VALVES**BRASS FITTINGS****BRASS TRUCK VALVES**

- Used in heavy duty truck, trailer and mobile markets.
- Used on water, oil and coolant lines.
- Forged brass construction with steel handle.
- Temperature range -40° - 250°
- Max pressure 250 psi
- Metal to metal seats for high heat/fluid compatibility
- Fine thread screw down to afford flow control ability and a positive seal.
- Not intended for natural gas, LPG, Nuclear or aircraft applications

BARB TO MALE PIPE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46450	08944-0606	HV1-6C		3/8 x 3/8	TV44-66	----
	08944-0806	HV1-8C		1/2 x 3/8	TV44-86	----
46451	08944-1006	HV1-10C		5/8 x 3/8	TV44-106	----
46455	08944-1008	HV1-10D		5/8 x 1/2	TV44-108	----
46457	08944-1206	HV1-12C		3/4 x 3/8	TV44-126	----
46456	08944-1208	HV1-12D		3/4 x 1/2	TV44-128	----

404V

BARB TO MALE PIPE SPECIAL- PIN HANDLE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
	08947-0606			3/8 x 3/8	TV44PH-66	----
	08947-1006	HV1-PH-10C		5/8 x 3/8	TV44PH-106	----



WITH ROUND SILVER HANDLE						
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
		97V-10P		5/8 x 1/2		

FEMALE TO MALE PIPE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46465	08945-0606	1W-66		3/8 x 3/8	TV45-66	----
46466	08945-0608	1W-86		3/8 x 1/2	TV45-68	----
46467	08945-0808	1W-88		1/2 x 1/2	TV45-88	----

405V

HOSE BARB TO MALE PIPE - ROUND HANDLE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
		HBV-6C		3/8 x 3/8		

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SPECIALTY VALVES

BRASS FITTINGS

BRASS TRUCK VALVES

- Used in heavy duty truck, trailer and mobile markets.
- Used on water, oil and coolant lines.
- Forged brass construction with steel handle.
- Temperature range -40° - 250°
- Max pressure 250 psi
- Metal to metal seats for high heat/fluid compatibility
- Fine thread screw down to afford flow control ability and a positive seal.
- Not intended for natural gas, LPG, Nuclear or aircraft applications

FLARE TO MALE PIPE



TV49

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
	08949-0604			3/8 x 1/4	TV49-64	----
	08949-0606			3/8 x 3/8	TV49-66	----
	08949-0608			3/8 x 1/2	TV49-68	----
	08949-0806			1/2 x 3/8	TV49-86	----
46475	08949-0808	7814X8X8X90		1/2 x 1/2	TV49-88	----
46476	08949-1008	7814X8X90		5/8 x 1/2	TV49-108	----

409V

MIP X FLARE



TV412

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46485	08942-1008	7814X8X90X1		1/2 x 5/8	TV412-108	

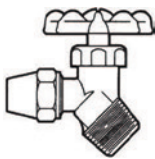
KANTLEAK 90° BALL VALVE - PIN HANDLE



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
		ABV1-B		1/4 x 1/4	190BV-4	
		ABV1-C		3/8 x 3/8	190BV-6	----
		ABV1-D		1/2 x 1/2	190BV-8	----

OIL DRUM AND TANK VALVES

FLARE TUBE O.D. TO MALE PIPE 45° ELBOW



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
	09540-0606			3/8 x 3/8		
	09540-0608	5818X8		3/8 x 1/2	60V	
	09540-0612	5818X12		3/8 x 3/4	70V	
	09540-0808			1/2 x 1/2		
	09540-0812			1/2 x 3/4		

PLASTIC DRUM FAUCETS

- Pipe threads to ANSI B1.20.1
- Hose threads to ANSI B

The FLO-RITE faucet has been engineered to meet the demand for greater chemical resistance, using linear polyethylene for the stem.



"FLO-RITE" DRUM FAUCET

PART #	SIZE	MAF PRICE
46277	3/4"	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

SPECIALTY VALVES

BRASS FITTINGS

DRUM & BARREL FAUCET VALVE

- Die cast body w/ nylon seat and steel spring.
- For use with all petroleum products except trichlorethylene.

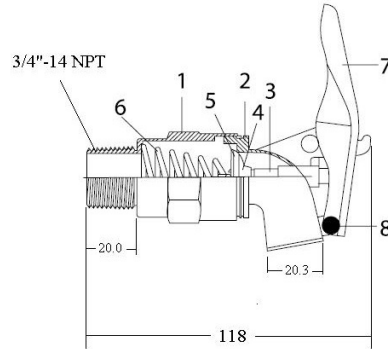


G261N

Not suitable for potable water

SELF-CLOSING DRUM & BARREL FAUCET

PART #	SIZE	
46270	3/4"	----



Part #	Part Name	Material
1	Body	Zinc
2	Bonnet	Zinc
3	Stem	Steel
4	Disc	Plastic
5	Seal	Rubber
6	Spring	Zinc plated steel
7	Handle	Aluminum
8	Rivet	Aluminum

SOLID BOTTOM VALVES

- Designed for instantaneous on-off operation.
- 360° rotation standard.
- 30 PSI
- Packed with grease.

O-RING SEALED MIP X FIP

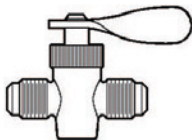
MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46400		103SD-2		1/8	170C-2	----
46401		103SD-4		1/4	170C-4	----
46402		103SD-6		3/8	170C-6	----

- Good for Propane

1035D M-70-SBV

#M-72-SBV FIP X FIP

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46411		32SD		1/4	172C-4	----

MALE FLARE X MALE FLARE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
		58SD		3/8	176C-6	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



SPECIALTY VALVES

BRASS FITTINGS

SOLID BOTTOM FUEL VALVES

- Approved for use on Motorcraft fuel lines.
- Pointer lever.
- 90° turn stop mechanism to assure positive location of the on and off positions.
- Corrosion proofed internal construction assures maximum salt atmosphere protection.
- Port hole is 1/4 (.250) diameter.
- UL listed for use in fuel oils no. 1 & no. 2, LP gas and utility gas.

MALE PIPE X FEMALE PIPE



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46400M	09500-02	670C-J		1/8 x 1/8	M670C-2	----
46401M	09500-04	670C-L		1/4 x 1/4	M670C-4	----
46402M	09500-06	670C-N		3/8 x 3/8	M670C-6	----

8980

MALE PIPE X MALE PIPE



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46406M	09501-04	77SD		1/4 x 1/4	M671C-4	----

- Good for Propane

8990

FEMALE PIPE X FEMALE PIPE



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46411M	09502-04	672C-L		1/4 x 1/4	M672C-4	----

8975

MALE FLARE X MALE PIPE



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
	09505-0402			1/4 x 1/8	M675C-42	
	09505-0404			1/4 x 1/4	M675C-44	
46429M	09505-0604	675C-6L		3/8 x 1/4	M675C-64	----
46430M	09505-0606	675C-6N		3/8 x 3/8	M675C-66	----
	09505-0608			3/8 x 1/2		
	09505-0806			1/2 x 3/8		

8948

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BRASS

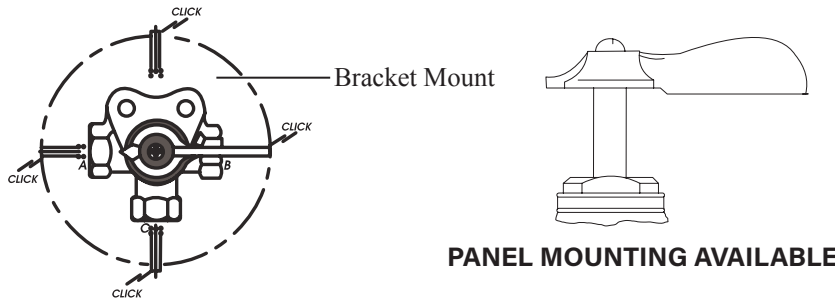
SPECIALTY VALVES

BRASS FITTINGS

GROUND PLUG SHUT-OFF COCKS

NON-LUBRICATED PLUG VALVES are designed to operate in systems where INSTANTANEOUS PORT SELECTION is desired. Since LUBRICANTS ARE NOT USED, relubrication is not required. There is no lubricant to freeze and lock the valve or to contaminate fine fluids. The O-RING SEALED CAP and STEM eliminate leakage to atmosphere. The mating BRASS BODY and CELCON PLUG produce a fine seal that WILL NOT SEIZE OR GALL.

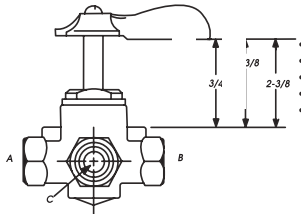
Designed for PANEL or BRACKET MOUNTING. They are generally recommended for operation in GASOLINE, OIL, AIR, WATER and DETERGENT systems from minus 40° to 180°F, at a maximum operating pressure of 30 p.s.i.g. The fluid port size is 9/32 (.281) diameter for 1/8 and 1/4 sizes, 5/16 (.312) diameter for the 3/8 size. **(Consult factory for applications requiring a higher pressure).**



Type 1 (Standard)

A pronounced "click" may be felt at each position.
Handle travel is not restricted.

THREE-WAY VALVES (Side Outlet)



- 1-3/8" Stem
- Side Outlet
- Bracket Mounting
- O-Ring Sealed
- 4-way celcon roter standard

LESS CLICK

MIDLAND	AMC	CHAMPION	LIST	A-B-C FEMALE PIPE THREAD	LENGTH OF STEM	MAF #	MAF PRICE
46247		110C-J		1/4	1-3/8"		
46248		110C-N		3/8	1-3/8"		

M-108-MID WITH CLICK 360°

MIDLAND	AMC	CHAMPION	LIST	A-B-C FEMALE PIPE THREAD	LENGTH OF STEM	MAF #	MAF PRICE
46250	09508-02	108SD-2		1/8	1-3/8"	210C-2	----
46251	09508-04	108SD-4		1/4	1-3/8"	210C-4	----
46252	09508-06	108SD-6		3/8	1-3/8"	210C-6	----

V406P 6749

Openings:

Handle Pointer over A.....Valve Open A-C

Handle Pointer over C.....Valve Open B-C

Handle Pointer over B.....Valve "OFF"

Handle Pointer over Bracket.....Valve "OFF"

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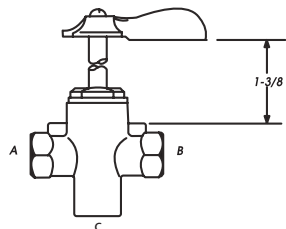


SPECIALTY VALVES

BRASS FITTINGS

GROUND PLUG SHUT-OFF COCKS

THREE-WAY VALVES (Bottom Outlet)



- 1-3/8" Stem
- Side Outlet
- Bracket Mounting
- O-Ring Sealed
- 4-way celcon roter standard

Openings:

Handle *Pointer* over A.....Valve Open A-C
 Handle *Pointer* over B.....Valve Open B-C
 Handle *Pointer* over Bracket.....Valve "OFF"

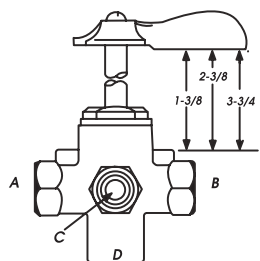
LESS CLICK

MIDLAND	AMC	CHAMPION	LIST	A-B-C FEMALE PIPE THREAD	LENGTH OF STEM	MAF #	MAF PRICE
46241		120C-L		1/4	1-3/8"	120C-4	----

WITH CLICK 360°

MIDLAND	AMC	CHAMPION	LIST	A-B-C FEMALE PIPE THREAD	LENGTH OF STEM	MAF #	MAF PRICE
46243		220C-J		1/8	1-3/8"	220C-2	----
46244		220C-L		1/4	1-3/8"	220C-4	----

FOUR-WAY VALVES



- Side Outlet
- Bracket Mounting
- O-Ring Sealed
- 4-way celcon roter standard

Openings:

Handle *Pointer* over A.....Valve Open A-D
 Handle *Pointer* over C.....Valve Open C-D
 Handle *Pointer* over B.....Valve Open B-D
 Handle *Pointer* over Bracket.....Valve "OFF"

LESS CLICK

MIDLAND	AMC	CHAMPION	LIST	A-B-C-D FEMALE PIPE THREAD	LENGTH OF STEM	MAF #	MAF PRICE
46257		100C-L		1/4	1-3/8"	220C-4LC	----

M-114-MID WITH CLICK (360°)

MIDLAND	AMC	CHAMPION	LIST	A-B-C-D FEMALE PIPE THREAD	LENGTH OF STEM	MAF #	MAF PRICE
46255	09514-04	114SD		1/4	1-3/8"	200C-4	----
46256	09514-06	200C-N		3/8	1-3/8"	200C-6	----

WITH 2-3/8" LONG STEM M-115-MID

MIDLAND	AMC	CHAMPION	LIST	A-B-C-D FEMALE PIPE THREAD	LENGTH OF STEM	MAF #	MAF PRICE
46260	09515-04	105C-L		1/4	2-3/8"	215C-4	----
	09515-06			3/8		215C-6	----

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BRASS

V407P

MINIATURE BALL VALVES

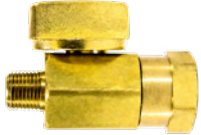
BRASS FITTINGS

BRASS MINIATURE BALL VALVES

- Working Pressure up to 1000 P.S.I.G.
- ASTM B-16 Corrosion Resistant Brass Body.
- Non-Adjusting Fluoroelastomer O-Ring Stem Seal Design Never Needs Tightening.
- Highly Inert Polytetrafluoroethylene Seats.
- Long Life Nickel Plated Brass Ball.
- Blow-Out Proof Stem for Safety.
- Temperature: -40°F to 300°F
- 1/4 Turn Instantaneous On-Off Operation.
- Quarter Turn Handle Design.
- Water, Oil, and Air Pressure Systems.
- Ideal for tight, confined areas, or when routing aesthetics are desired. Applications include instrumentation, gas sampling systems, high pressure gauges, test stands, hydraulic and pneumatic service lines on capital equipment.
- Not good for steam.
- Good for propane, gas and diesel.

MALE X FEMALE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46900		350BV-J		1/8 x 1/8	350BV-22	----
46903		350BV-L		1/4 x 1/4	350BV-44	----

MALE X FEMALE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
		350BVR-J		1/8 x 1/8		
		350BVR-L		1/4 x 1/4		

MALE X MALE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46910		351BV-J		1/8 x 1/8	351BV-22	----
46912		351BV-L		1/4 x 1/4	351BV-44	----

HOSE BARB X MALE PIPE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
47042		357BV-4J		1/4 X 1/8	357BV-42	----
46980		357BV-4L		1/4 x 1/4	357BV-44	----
				5/16 X 1/4	357BV-54	----
46981		357BV-6L		3/8 X 1/4	357BV-64	----
				3/8 X 3/8	357BV-66	----
				1/2 X 1/2	357BV-88	----

FEMALE X FEMALE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46920		352BV-J		1/8 x 1/8	352BV-22	----
46921		352BV-JXL		1/8 x 1/4	352BV-24	----
46922		352BV-L		1/4 x 1/4	352BV-44	



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46922A				1/4 x 1/4		
46923				3/8 x 3/8		



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46924				1/2 x 1/2		
46925				3/4 x 3/4		

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MINIATURE BALL VALVES

BRASS FITTINGS

U.L. TWO WAY VALVES

- Buna-N Seal, Polytetrafluoroethylene Seat Plated metal handle, plated brass ball.
- 250 PSI Working Pressure

U.L. TWO WAY VALVES FNPT X FNPT



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46440				1/4 x 1/4		

U.L. TWO WAY VALVES MNPT X FNPT



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46443				1/4 x 1/4		

PANEL MOUNT BRASS BALL VALVES

- Working pressure: 1500 psi wog for 1/8" to 1/4", 1000 psi wog for 3/8" to 1/2"
- Vacuum rating: 29.92" Hg
- Working temp: -40°F to +300°F
- Panel mount hole is 9/16" Dia.
- Brass body cap, PTFE ball seats, Fluoro-elastomer stem sealing, Brass chrome plated ball

FEMALE X FEMALE



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46830		362BV-J		1/8 x 1/8	352BV-22	----
46832		362BV-L		1/4 x 1/4	352BV-44	
46833		362BV-N		3/8 x 3/8	352BV-66	
46834		362BV-P		1/2 x 1/2	352BV-88	



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46875		392BV-JXJ		1/8 x 1/8	392BV-22	----
46878				1/4 x 1/4	392BV-44	----

FEMALE X FEMALE X FEMALE



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46951		3222BV-JJXJ		1/8 FPT		
46956		3222BV-LLXL		1/4 FPT		

FEMALE X FEMALE X FEMALE X FEMALE



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
		4122BV-LL		1/4 FPT		

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BRASS

CHECK VALVES

BRASS FITTINGS

BRASS CHECK VALVES

• 500 PSI • 1 PSI Cracking Pressure • Buna-N Seal for water, air & inert gas • **Fluoroelastomer Seal for oil, gas & diesel fuel**

FIP X FIP BUNA-N

• 180° temp rating

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46560				1/8"		
46561				1/4"		
46562				3/8"		
46563				1/2"		
46564				3/4"		

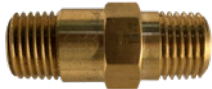
FIP X FIP FLUOROELASTOMER

• 180° temp rating

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46560V				1/8"		
46561V				1/4"		
46562V				3/8"		
46563V				1/2"		
46564V				3/4"		

FEMALE X MALE BUNA-N

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46565				1/8"		
46566				1/4"		
46567		750CV2-NXN		3/8"		
46568				1/2"		
46569				3/4"		

MALE X MALE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46570				1/8"		
46571				1/4"		
46572				3/8"		
46573				1/2"		

MALE X FEMALE

MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46575				1/8"		
46576				1/4"		
46577				3/8"		
46578				1/2"		

PNEUMATIC CHECK VALVES

• Max Operating Pressure: 220 psi • Working Pressure: 14.5-145 psi • Cracking Pressure: 2.8 psi
 • Maximum Temperatures: 140° F

Body	Chrome plated Brass
Spring	Steel
O-Ring	NBR Rubber

NPT- Inlet NPSM - Outlet



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46200				1/4"		
46201				3/8"		
46202				1/2"		

CHECK VALVES

BRASS FITTINGS

HIGH PRESSURE CHECK VALVES

MNPT X MNPT MAX. 2500 PSI Cracking Pressure 1 PSI



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46500				1/4 x 1/4		

•SS ball and spring • Opening diameter .187 • 180° max operating temp. CV = 0.4

MNPT X FNPT MAX. 2500 PSI



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46505				1/4 x 1/4		

•SS ball and spring • Flo direction -> • Opening diameter .187 • 180° max operating temp. • Buna Seal

FNPT X FNPT MAX. 1200 PSI



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46510				1/4 x 1/4		
46511		650-6F6F-B		3/8 x 3/8		
46512		850-8F8F-B		1/2 x 1/2		

• O-Ring poppet seal Bubble tight operation • 180°F max operating temp.

HIGH PRESSURE CHECK VALVES

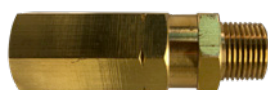
- Operates in any position, and is available in mixed or matched end combinations.
- Standard cracking pressure 1 p.s.i. with a maximum operating pressure of 3000 p.s.i. and a maximum operating temperature of 180°F using Buna-N seals.
- Buna-N seals standard, other seals available.
- Guided 316 stainless steel ball + spring.
- Fixed ringed seat prevents extrusion of seal.
- Opening diameter .28
- Approximate CV 1.2
- Water G.P.M. @ 10 p.s.i. is 4.0
- Good for air

FEMALE X FEMALE



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46513				1/4		
46517				3/8		

FEMALE X MALE



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46514				1/4		
46518				3/8		

MALE X FEMALE



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46516				1/4		
46539				3/8		

MALE X MALE



MIDLAND	AMC	CHAMPION	LIST	SIZE	MAF #	MAF PRICE
46515				1/4		
46519				3/8		

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS

MARINE FITTINGS

BRASS FITTINGS

MARINE FITTINGS

• Calibrated to support 30" column of gasoline.

• Flo direction <-



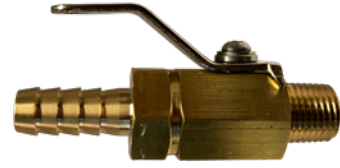
BRASS ANTI-SIPHON VALVES

PART #	SIZE
46520	1/4 x 1/4
46521	3/8 x 3/8
46522	1/2 x 1/2



**BRASS ANTI-SIPHON VALVES
BARB X NPT**

PART #	SIZE
46529	1/4 x 1/4
46530	5/16 x 1/4
46531	3/8 x 1/4
46532	3/8 x 3/8
46533	1/2 x 3/8



**MINI BALL VALVE - BRASS
W/ SS HANDLE AND NUT**

PART #	BARB X MIP
46986	5/6 x 1/4
46987	3/8 x 1/4
46988	3/8 x 3/8
46989	1/2 x 1/2



ALUMINUM

PART #	SIZE
46520A	1/4 x 1/4
46521A	3/8 x 3/8



ALUMINUM

PART #	SIZE
46530A	5/16 x 1/4
46531A	3/8 x 1/4
46532A	3/8 x 3/8
46533A	1/2 x 3/8

- NBR O-Ring
- Working temp 180°F
- 3,000 PSI
- Brass or Aluminum
- #316 Ball & Spring



MALE MIP X FEMALE FIP BRASS

PART #	SIZE
46523	1/4
46524	3/8



ALUMINUM

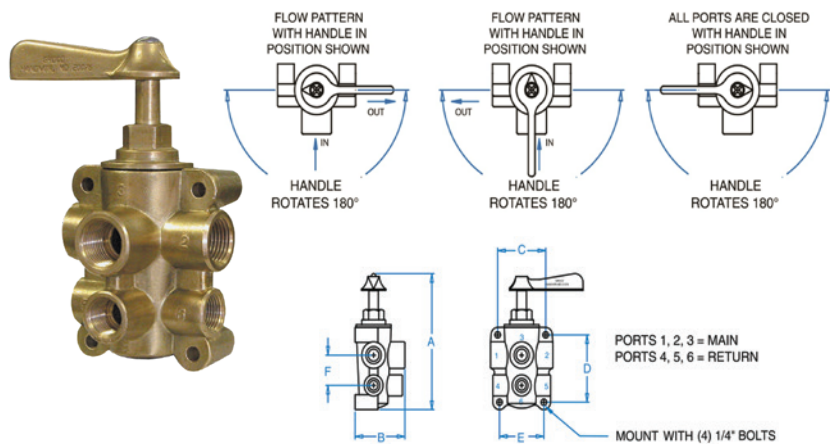
PART #	SIZE
46523A	1/4
46524A	3/8



FLARE X MIP - BRASS

PART #	SIZE	----
46526	3/8 x 1/4	

SIX-WAY VALVES



MIDLAND	CHAMPION	LIST	FEMALE PIPE THREAD OF 1-2-3 4-5-6	STEM	IND. #
46237	SP2483-CM		1/2 x 3/8	13/16	SK-1036

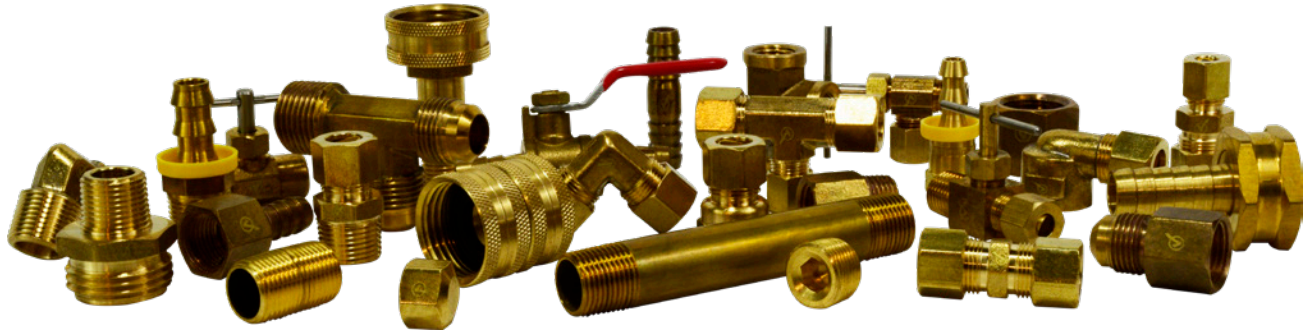
Six port fuel valves are used where 2 tanks supply a single engine, and a return to each supply tank is required.

ABYC H33.9.2 states that fuel system valves must have an independent means of support, so in-line valves are not suitable for fuel system applications.

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



LEAD FREE



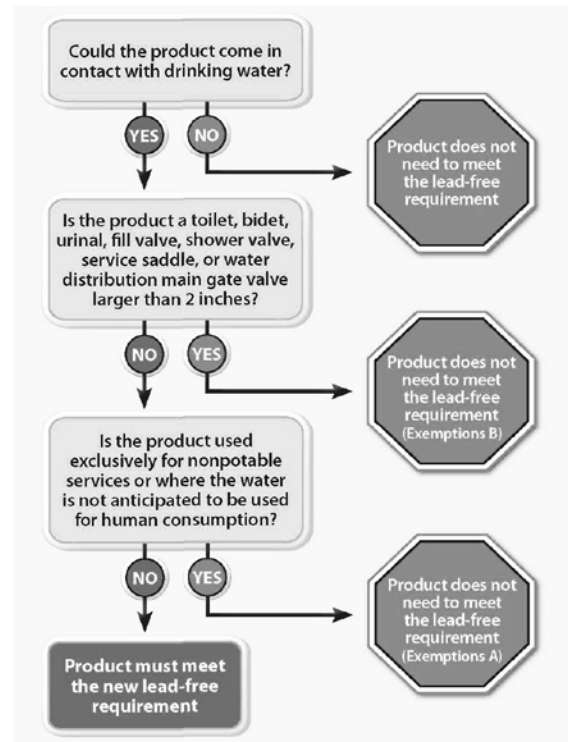
What is the new lead-free requirement?

In 2011, the Reduction of Lead in Drinking Water Act was signed into law. The Act has reduced the lead content allowed in drinking water system and plumbing materials by changing the definition of "lead-free" in Section 1417 of the Safe Drinking Water Act.

The term "lead-free" has been updated from not more than 8% lead content to mean "not more than a weighted average of 0.25% lead when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings and fixtures."

How do I know which products must meet the new lead-free requirement?

The prohibitions on use and introduction into commerce apply to all pipe, pipe fittings, plumbing fittings, and fixtures (henceforth referred to as "products"), including stocked inventories that have not been installed. This includes coated or uncoated brass or bronze materials. By using the flow-chart below as a guide, you can determine if a product must meet the new lead-free requirement:



Lead-Free Requirement Exemptions

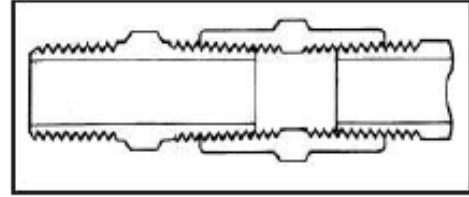
(A) The new requirement does not apply to pipes, pipe fittings, plumbing fittings, or fixtures, including backflow preventers, that are used exclusively for nonpotable service such as manufacturing, industrial processing, irrigation, outdoor watering or any other uses where the water is not anticipated to be used for human consumption.

(B) The new requirement does not apply to toilets, bidets, urinals, fill valves, flushometer valves, tub fillers, shower valves, service saddles or water distribution main gate valves 2 inches in diameter or larger.

LEAD FREE PIPE
LEAD FREE BRASS FITTINGS

BRASS PIPE FITTINGS LEAD FREE

- One piece construction, available in barstock or forgings
- Used with brass or steel pipe
- All pipe threads are "American Standard Taper Pipe Threads"
- Fair vibration resistance
- Used in low to medium pressure applications
- Teflon tape or pipe sealant is recommended
- Pipe threads should be tightened 2 1/2 turns past finger tight



Nominal Pipe Size	1/8	1/4	3/8	1/2	3/4	1
Thread size	1/8-27	1/4-18	3/8-18	1/2-14	3/4-14	1-11 1/2
Approx. Diameter in inches	3/8"	1/2"	5/8"	3/4"	1"	1-3/8"

BRASS PIPE FITTINGS

ELBOW 90° BARSTOCK



LF100

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706100-02	28001LF		1/8"	LF100-2	
706100-04	28002LF		1/4"	LF100-4	
706100-06	28003LF		3/8"	LF100-6	
706100-08	28004LF		1/2"	LF100-8	
706100-12	28005LF		3/4"	LF100-12	

ELBOW 90° FORGED



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706200-02	28009LF		1/8"		
706200-04	28010LF		1/4"		
706200-06	28011LF		3/8"		
706200-08	28012LF		1/2"		
706200-12	28013LF		3/4"		

REDUCING ELBOW FORGED



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706205-0604	28015LF		3/8" x 1/4"	LF100R-64	

ELBOW 45°



LF10045

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706107-02	28018LF		1/8"		
706107-04	28019LF		1/4"		

TEE BARSTOCK



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706101-02	28024LF		1/8"	LF101-2	
706101-04	28025LF		1/4"	LF101-4	
706101-06	28026LF		3/8"	LF101-6	
706101-08	28027LF		1/2"	LF101-8	
706101-12	28028LF		3/4"	LF101-12	

TEE FORGED



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706201-02	28032LF		1/8"		
706201-04	28033LF		1/4"		
706201-06	28034LF		3/8"		
706201-08	28035LF		1/2"		
706201-12	28036LF		3/4"		

REDUCING TEE FORGED



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706206-060604	28039LF		3/8"x3/8"x1/4"		

CROSS BARSTOCK



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706102-02	28041LF		1/8"	LF102-2	
706102-04	28042LF		1/4"	LF102-4	
706102-06	28043LF		3/8"	LF102-6	
706102-08	28044LF		1/2"	LF102-8	
706102-12	28045LF		3/4"	LF102-12	

COUPLING



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706103-02	28058LF		1/8"	LF103-2	
706103-04	28059LF		1/4"	LF103-4	
706103-06	28060LF		3/8"	LF103-6	
706103-08	28061LF		1/2"	LF103-8	
706103-12	28062LF		3/4"	LF103-12	

X-HEAVY COUPLING



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
			1/8"	LF23300X2	
706303-04	28059EHLF		1/4"	LF23300X4	
			3/8"	LF23300X6	
			1/2"	LF23300X8	

LEAD FREE PIPE

LEAD FREE BRASS FITTINGS

UNION



LF104

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706104-02	28067LF		1/8"	LF104-2	
706104-04	28068LF		1/4"	LF104-4	
706104-06	28069LF		3/8"	LF104-6	
706104-08	28070LF		1/2"	LF104-8	
706104-12	28071LF		3/4"	LF104-12	

CAP



LF108

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706108-02	28075LF		1/8"	LF108-2	
706108-04	28076LF		1/4"	LF108-4	
706108-06	28077LF		3/8"	LF108-6	
706108-08	28078LF		1/2"	LF108-8	
706108-12	28079LF		3/4"	LF108-12	

PLUG CORED SQUARE HEAD



LF

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706109-02	28084LF		1/8"	LF109-2	
706109-04	28085LF		1/4"	LF109-4	
706109-06	28086LF		3/8"	LF109-6	
706109-08	28087LF		1/2"	LF109-8	
706109-12	28088LF		3/4"	LF109-12	
			1"	LF109-16	

PLUG SOLID SQUARE HEAD



LF109SD

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706114-02	28084SLF		1/8"	LF109SD-2	
706114-04	28085SLF		1/4"	LF109SD-4	
706114-06	28086SLF		3/8"	LF109SD-6	
706114-08	28087SLF		1/2"	LF109SD-8	
706114-12	28088SLF		3/4"	LF109SD-12	
			1"	LF109SD-16	
			1 1/4"	LF109SD-20	
			1 1/2"	LF109SD-24	
			2"	LF109SD-32	

COUNTERSUNK PLUG HEX



LF109AL

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706115-02	28093LF		1/8"	LF109AL-2	
706115-04	28094LF		1/4"	LF109AL-4	
706115-06	28095LF		3/8"	LF109AL-6	
706115-08	28096LF		1/2"	LF109AL-8	
706115-12	28097LF		3/4"	LF109AL-12	

LEAD FREE PIPE
LEAD FREE BRASS FITTINGS

FACE BUSHING



LF110F

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706140-0402	28121LF		1/4" x 1/8"	LF110F-42	
			3/8" x 1/8"	LF110F-62	
706140-0604	28116LF		3/8" x 1/4"	LF110F-64	
			1/2" x 1/4"	LF110F-84	
706140-0806	28117LF		1/2" x 3/8"	LF110F-86	
			3/4" x 1/4"	LF110F-124	
			3/4" x 3/8"	LF110F-126	
706140-1208	28118LF		3/4" x 1/2"	LF110F-128	
			1" x 3/4"	LF110F-1612	

PLUG CORED HEX HEAD



LF121

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706121-02	28201LF		1/8"	LF121-2	
706121-04	28202LF		1/4"	LF121-4	
706121-06	28203LF		3/8"	LF121-6	
706121-08	28204LF		1/2"	LF121-8	
706121-12	28205LF		3/4"	LF121-12	
			1"	LF121-16	

PLUG SOLID HEX HEAD



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706125-02	28201SLF		1/8"	LF121S-2	
706125-04	28202SLF		1/4"	LF121S-4	
706125-06	28203SLF		3/8"	LF121S-6	
706125-08	28204SLF		1/2"	LF121S-8	
			3/4"	LF121S-12	
			1"	LF121S-16	

HEX BUSHING



LF110

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706110-0402	28102LF		1/4" x 1/8"	LF110-42	
706110-0602	28103LF		3/8" x 1/8"	LF110-62	
706110-0604	28104LF		3/8" x 1/4"	LF110-64	
706110-0802	28105LF		1/2" x 1/8"	LF110-82	
706110-0804	28106LF		1/2" x 1/4"	LF110-84	
706110-0806	28107LF		1/2" x 3/8"	LF110-86	
706110-1202	28108LF		3/4" x 1/8"	LF110-122	
706110-1204	28109LF		3/4" x 1/4"	LF110-124	
706110-1206	28110LF		3/4" x 3/8"	LF110-126	
706110-1208	28111LF		3/4" x 1/2"	LF110-128	
			1" x 1/8"	LF110-162	
706110-1604	28112LF		1" x 1/4"	LF110-164	
706110-1606	28113LF		1" x 3/8"	LF110-166	
706110-1608	28114LF		1" x 1/2"	LF110-168	
706110-1612	28115LF		1" x 3/4"	LF110-1612	

LEAD FREE PIPE

LEAD FREE BRASS FITTINGS

CLOSE NIPPLE



LF112

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706112-02	28131LF		1/8"	LF112-2	
706112-04	28132LF		1/4"	LF112-4	
706112-06	28133LF		3/8"	LF112-6	
706112-08	28134LF		1/2"	LF112-8	
706112-12	28135LF		3/4"	LF-112-12	

LONG NIPPLE



LF113

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706113-0224	28140LF		1/8" x 1-1/2"	LF113-224	
706113-0232	28141LF		1/8" x 2"	LF113-232	
706113-0240	28142LF		1/8" x 2-1/2"	LF113-240	
706113-0248	28143LF		1/8" x 3"	LF113-248	
706113-0424	28144LF		1/4" x 1-1/2"	LF113-424	
706113-0432	28145LF		1/4" x 2"	LF113-432	
706113-0440	28146LF		1/4" x 2-1/2"	LF113-440	
706113-0448	28147LF		1/4" x 3"	LF113-448	
706113-0624	28148LF		3/8" x 1-1/2"	LF113-624	
706113-0632	28149LF		3/8" x 2"	LF113-632	
	28150LF		3/8" x 2-1/2"	LF113-640	
			3/8" x 3"	LF113-648	
			1/2" x 1-1/2"	LF113-824	
			1/2" x 2"	LF113-832	
			1/2" x 2-1/2"	LF113-840	
			1/2" x 3"	LF113-848	

HEX NIPPLE



LF23325X
LF122

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706122-02	28211LF		1/8"	LF122-2	
706122-04	28212LF		1/4"	LF122-4	
706122-06	28213LF		3/8"	LF122-6	
706122-08	28214LF		1/2"	LF122-8	
706122-12	28215LF		3/4"	LF122-12	
706122-16	28216LF		1"	LF122-16	
			1-1/4"	LF122-20	
			1-1/2"	LF122-24	
			2"	LF122-32	

LONG HEX NIPPLE



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
			1/8"	LF23325X2	
28212EHLF			1/4"	LF23325X4	
			3/8"	LF23325X6	
			1/2"	LF23325X8	

LEAD FREE PIPE
LEAD FREE BRASS FITTINGS

REDUCING HEX NIPPLE



LF123

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706123-0402	28220LF		1/4" x 1/8"	LF123-42	
706123-0602	28221LF		3/8" x 1/8"	LF123-62	
706123-0604	28222LF		3/8" x 1/4"	LF123-64	
706123-0804	28223LF		1/2" x 1/4"	LF123-84	
706123-0806	28224LF		1/2" x 3/8"	LF123-86	
706123-1208	28225LF		3/4" x 1/2"	LF123-128	

REDUCING COUPLING



LF119

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706119-0402	28181LF		1/4" x 1/8"	LF119-42	
706119-0602	28182LF		3/8" x 1/8"	LF119-62	
706119-0604	28183LF		3/8" x 1/4"	LF119-64	
706119-0802	28180LF		1/2" x 1/8"	LF119-82	
706119-0804	28184LF		1/2" x 1/4"	LF119-84	
706119-0806	28185LF		1/2" x 3/8"	LF119-86	
			3/4" x 3/8"	LF119-126	
706119-1208	28189LF		3/4" x 1/2"	LF119-128	

ADAPTER



LF120

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706120-0202	28190LF		1/8" x 1/8"	LF120-22	
706120-0402	28191LF		1/4" x 1/8"	LF120-42	
706120-0404	28192LF		1/4" x 1/4"	LF120-44	
706120-0602	28198LF		3/8" x 1/8"	LF120-62	
706120-0604	28193LF		3/8" x 1/4"	LF120-64	
706120-0606	28194LF		3/8" x 3/8"	LF120-66	
			1/2" x 1/8"	LF120-82	
706120-0804	28199LF		1/2" x 1/4"	LF120-84	
706120-0806	28195LF		1/2" x 3/8"	LF120-86	
706120-0808	28196LF		1/2" x 1/2"	LF120-88	
			3/4" x 3/8"	LF120-126	
706120-1208	28208LF		3/4" x 1/2"	LF120-128	
706120-1212	28209LF		3/4" x 3/4"	LF120-1212	
			1" x 3/4"	LF120-1612	

SHORT BARSTOCK* STREET ELBOW 90°



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706116-02	28156SLF		1/8"		
706116-04	28157SLF		1/4"		
706116-06	28158SLF		3/8"		
706116-08	28159SLF		1/2"		
706116-12	28160SLF		3/4"		

LEAD FREE PIPE

LEAD FREE BRASS FITTINGS

BARSTOCK* ST ELBOW



LF116

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706118-02	28156LF		1/8"	LF116-2	
706118-04	28157LF		1/4"	LF116-4	
706118-06	28158LF		3/8"	LF116-6	
	28159LF		1/2"	LF116-8	
	28160LF		3/4"		

FORGED* STREET ELBOW 90°



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706216-02	28165LF		1/8"		
706216-04	28166LF		1/4"		
706216-06	28167LF		3/8"		
706216-08	28168LF		1/2"	LF116F-8	
706216-12	28169LF		3/4"	LF116F-12	

FORGED* REDUCING STREET ELBOW



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706228-0402	28261LF		1/4" x 1/8"	LF128-42	
706228-0406	28262LF		1/4" x 3/8"		
706228-0608	28264LF		3/8" x 1/2"	LF128-68	
706228-0806	28265LF		1/2" x 3/8"	LF128-86	

* Forged and Barstock shapes may be substituted for one another in Lead Free.

STREET ELBOW 45°



LF124

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706124-02	28230LF		1/8"	LF124-2	
706124-04	28231LF		1/4"	LF124-4	
706124-06	28232LF		3/8"	LF124-6	
706124-08	28233LF		1/2"	LF124-8	
706124-12	28234LF		3/4"		

STREET TEE BARSTOCK



LF127

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706127-02	28245LF		1/8"	LF127-2	
706127-04	28246LF		1/4"	LF127-4	
706127-06	28247LF		3/8"	LF127-6	
706127-08	28248LF		1/2"	LF127-8	
706127-12	28249LF		3/4"	LF127-12	

STREET TEE FORGED



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706227-02	28253LF		1/8"		
706227-04	28254LF		1/4"		
706227-06	28255LF		3/8"		

LEAD FREE PIPE/LEAD FREE PUSH-ON

LEAD FREE BRASS FITTINGS

ELBOW BARSTOCK



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706130-02	28266BLF		1/8"	LF23455X2	
706130-04	28267BLF		1/4"	LF23455X4	
706230-06	28268LF		3/8"		

ELBOW FORGED



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706230-02	28266LF		1/8"		
706230-04	28267LF		1/4"		
706230-06	28268LF		3/8"		
706230-08	28269LF		1/2"		

REDUCING ELBOW



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706235-0402	28273LF		1/4" x 1/8"		
706235-0602	28272LF		3/8" x 1/8"		
706235-0604	28275LF		3/8" x 1/4"		
706235-0806	28276LF		1/2" x 3/8"		

TEE BARSTOCK



LF131

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706131-02	28281LF		1/8"	LF131-2	
706131-04	28282LF		1/4"	LF131-4	
706131-06	28283LF		3/8"	LF131-6	
706131-08	28284LF		1/2"	LF131-8	

TEE FORGED



AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
706232-02	28290LF		1/8"		
706232-04	28291LF		1/4"		
706232-06	28292LF		3/8"		

PUSH-ON

MALE ADAPTER



AMC	MIDLAND	LIST	HOSE I.D. X MALE NPTF	MAF #	MAF PRICE
707201-0402	30200LF		1/4" x 1/8"		
707201-0404	30201LF		1/4" x 1/4"		
707201-0604	30203LF		3/8" x 1/4"		
707201-0606	30204LF		3/8" x 3/8"		
707201-0608	30206LF		1/2" x 3/8"		
707201-0808	30207LF		1/2" x 1/2"		

SAE/JIC DUAL 45°/37° FEMALE SWIVEL



AMC	MIDLAND	LIST	HOSE I.D. X FEMALE 45°/37°	MAF #	MAF PRICE
707210-0404	30230LF		1/4" x 1/4"		

LEAD FREE PIPE HOSE BARBS

LEAD FREE BRASS FITTINGS

BRASS HOSE BARBS LEAD FREE

- One piece, except swivels (nut and stem)
- Used with plastic tubing or rubber hose
- -40° to 200° F. temperature range
- Intended for use with hose clamp or crimp type ferrule

- Barbed edges provide positive connection
- Excellent vibration resistance
- Barb size is hose I.D.

RIGID MALE ADAPTER



LF29

AMC	MIDLAND	LIST	HOSE I.D. X MALE NPTF	MAF	MAF PRICE
707001-0202	32001LF	----	1/8" x 1/8"	LF29-22	
707001-0204	32027LF	----	1/8" x 1/4"	LF29-24	
707001-0302	32002LF	----	3/16" x 1/8"	LF29-32	
707001-0304	32003LF	----	3/16" x 1/4"	LF29-34	
707001-0402	32004LF	----	1/4" x 1/8"	LF29-42	
707001-0404	32005LF	----	1/4" x 1/4"	LF29-44	
707001-0406	32006LF	----	1/4" x 3/8"	LF29-46	
707001-0408	32007LF	----	1/4" x 1/2"	LF29-48	
	32954LF	----	1/4" x 3/4"	LF29-42	
707001-0502	32008LF	----	5/16" x 1/8"	LF29-52	
707001-0504	32009LF	----	5/16" x 1/4"	LF29-54	
707001-0506	32010LF	----	5/16" x 3/8"	LF29-56	
707001-0602	32011LF	----	3/8" x 1/8"	LF29-62	
707001-0604	32012LF	----	3/8" x 1/4"	LF29-64	
707001-0606	32013LF	----	3/8" x 3/8"	LF29-66	
707001-0608	32014LF	----	3/8" x 1/2"	LF29-68	
707001-0612	32026LF	----	3/8" x 3/4"	LF29-612	
707001-0804	32015LF	----	1/2" x 1/4"	LF29-84	
707001-0806	32016LF	----	1/2" x 3/8"	LF29-86	
707001-0808	32017LF	----	1/2" x 1/2"	LF29-88	
707001-0812	32018LF	----	1/2" x 3/4"	LF29-812	
707001-1006	32019LF	----	5/8" x 3/8"	LF29-106	
707001-1008	32020LF	----	5/8" x 1/2"	LF29-108	
707001-1012	32021LF	----	5/8" x 3/4"	LF29-1012	
707001-1206	32306LF	----	3/4" x 3/8"	LF29-126	
707001-1208	32022LF	----	3/4" x 1/2"	LF29-128	
707001-1212	32023LF	----	3/4" x 3/4"	LF29-1212	
707001-1612	32024LF	----	1" x 3/4"	LF29-1612	
707001-1616	32025LF	----	1" x 1"	LF29-1616	

LEAD FREE HOSE BARBS

LEAD FREE BRASS FITTINGS

RIGID FEMALE ADAPTER



LF29F

AMC	MIDLAND	LIST	HOSE I.D. X FEMALE NPTF	MAF	MAF PRICE
707002-0202	32050LF	----	1/8" x 1/8"	LF29F-22	
707002-0204	32317LF	----	1/8" x 1/4"	LF29F-24	
707002-0302	32051LF	----	3/16" x 1/8"	LF29F-32	
707002-0304	32062LF	----	3/16" x 1/4"	LF29F-34	
707002-0402	32052LF	----	1/4" x 1/8"	LF29F-42	
707002-0404	32053LF	----	1/4" x 1/4"	LF29F-44	
707002-0406	32054LF	----	1/4" x 3/8"	LF29F-46	
	32441LF	----	1/4" x 1/2"	LF29F-48	
707002-0502	32055LF	----	5/16" x 1/8"	LF29F-52	
707002-0504	32056LF	----	5/16" x 1/4"	LF29F-54	
707002-0506	32318LF	----	5/16" x 3/8"	LF29F-56	
	32057LF	----	3/8" x 1/8"	LF29F-62	
707002-0604	32058LF	----	3/8" x 1/4"	LF29F-64	
707002-0606	32059LF	----	3/8" x 3/8"	LF29F-66	
707002-0608	32063LF	----	3/8" x 1/2"	LF29F-68	
707002-0804	32064LF	----	1/2" x 1/4"	LF29F-84	
707002-0806	32060LF	----	1/2" x 3/8"	LF29F-86	
707002-0808	32061LF	----	1/2" x 1/2"	LF29F-88	
			5/8" x 3/8"	LF29F-106	
			5/8" x 1/2"	LF29F-108	
707002-1212	32065LF	----	3/4" x 3/4"	LF29F-1212	

LEAD FREE HOSE BARBS

LEAD FREE BRASS FITTINGS

FORGED HOSE BARB 90° ELBOW



LF29EBS

AMC	MIDLAND	LIST	HOSE I.D. X MALE NPTF	MAF	MAF PRICE
707020-0402	32038LF	----	1/4" x 1/8"		
707020-0404	32039LF	----	1/4" x 1/4"	LF29E-44BS	
	32309LF	----	1/4" x 3/8"		
707020-0502	32036LF	----	5/16" x 1/8"		
707020-0504	32040LF	----	5/16" x 1/4"		
707020-0602	32046LF	----	3/8" x 1/8"		
707020-0604	32041LF	----	3/8" x 1/4"	LF29E-64BS	
707020-0606	32042LF	----	3/8" x 3/8"	LF29E-66BS	
707020-0608	32047LF	----	3/8" x 1/2"		
707020-0804	32048LF	----	1/2" x 1/4"		
707020-0806	32043LF	----	1/2" x 3/8"		
707020-0808	32311LF	----	1/2" x 1/2"		
	32313LF	----	3/4" x 1/2"		

HOSE BARB TEES



AMC	MIDLAND	LIST	HOSE BARB SIZE	MAF	MAF PRICE
707024-04	32365LF	----	1/4"		
707024-05	32366LF	----	5/16"		
707024-06	32126LF	----	3/8"		

MENDER/ SPLICER



AMC	MIDLAND	LIST	HOSE I.D. X HOSE I.D.	MAF	MAF PRICE
	32091LF	----	1/8"	LF29S-2	
707014-03	32092LF	----	3/16"	LF29S-3	
707014-04	32093LF	----	1/4"	LF29S-4	
707014-05	32094LF	----	5/16"	LF29S-5	
707014-06	32095LF	----	3/8"	LF29S-6	
707014-08	32096LF	----	1/2"	LF29S-8	
707014-10	32097LF	----	5/8"	LF29S-10	
707014-12	32098LF	----	3/4"	LF29S-12	

FEMALE 45° FLARE SWIVEL



AMC	MIDLAND	LIST		MAF	MAF PRICE
707010-0606	32105LF	----	3/8" x 3/8"		
707010-0808	32100LF	----	1/2" x 1/2"		

LEAD FREE GARDEN HOSE

LEAD FREE BRASS FITTINGS

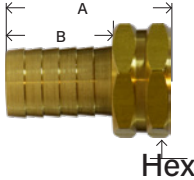
LEAD FREE MINI BALL VALVES BARB X BARB



AMC	MIDLAND	LIST	H.B. X H.B.	MAF	MAF PRICE
	944142LF	----	1/4"		
	944134LF	----	3/8"		

BARSTOCK BRASS GARDEN HOSE COUPLINGS

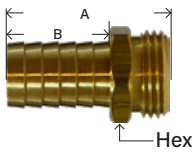
FEMALE SWIVEL ONLY



LF29FGH
• WASHER INCLUDED

AMC	MIDLAND	LIST	HOSE BARB X FGH	MAF	MAF PRICE
			1/4" x 3/4"	LF29FGH-412	
707046-0612	30031LF		3/8" x 3/4"	LF29FGH-612	
707046-0812	30032LF		1/2" x 3/4"	LF29FGH-812	
707046-1012	30033LF		5/8" x 3/4"	LF29FGH-1012	
707046-1212	30034LF		3/4" x 3/4"	LF29FGH-1212	

MALE END ONLY



LF29MGH

AMC	MIDLAND	LIST	HOSE BARB X MGH	MAF	MAF PRICE
			1/4" x 3/4"	LF29MGH-412H	
707048-0612	30039LF	----	3/8" x 3/4"	LF29MGH-612H	
707048-0812	30040LF	----	1/2" x 3/4"	LF29MGH-812H	
707048-1012	30041LF	----	5/8" x 3/4"	LF29MGH-1012H	
707048-1212	30042LF	----	3/4" x 3/4"	LF29MGH-1212H	

GARDEN HOSE COUPLING



• WASHER INCLUDED

AMC	MIDLAND	LIST	HOSE BARB	MAF	MAF PRICE
			1/4"	LF29GHS-4H	
707042-06	30025LF	----	3/8"	LF29GHS-6H	
707042-08	30027LF	----	1/2"	LF29GHS-8H	
707042-10	30028LF	----	5/8"	LF29GHS-10H	
707042-12	30029LF	----	3/4"	LF29GHS-12H	

SWIVEL - FGH X FGH



LF53
• WASHER INCLUDED

AMC	MIDLAND	LIST	FGH X FGH	MAF	MAF PRICE
707403-12	30011LF	----	3/4" x 3/4"	LF53	
707402-12	30012LF	----	no swivel	LF13GH	

LEAD FREE GARDEN HOSE

LEAD FREE BRASS FITTINGS

SWIVEL - FGH X FEMALE PIPE



LFS1
LFS2

• WASHER INCLUDED

AMC	MIDLAND	LIST	FGH X FEMALE NPTF	MAF	MAF PRICE
707401-1208	30001LF	----	3/4" x 1/2"	LFS1	
707401-1212	30006LF	----	3/4" x 3/4"	LFS2	

RIGID - FGH X FEMALE PIPE



• WASHER INCLUDED

AMC	MIDLAND	LIST	FGH X FEMALE NPTF	MAF	MAF PRICE
707411-1202	30016LF	----	3/4" x 1/8"	LF73GH	
707482-1208	30078LF	----	3/4" x 1/2"	LF82GH	
707482-1212	30083LF	----	3/4" x 3/4"	LF83GH	

SWIVEL - FGH X MALE PIPE



• WASHER INCLUDED

AMC	MIDLAND	LIST	FGH X MALE NPTF	MAF	MAF PRICE
707420-1204	30047LF	----	3/4" x 1/4"	LF102GH	
707420-1206	30048LF	----	3/4" x 3/8"	LF103GH	
707420-1208	30049LF	----	3/4" x 1/2"	LF104GH	
			3/4" x 3/4"	LF105GH	

RIGID - FGH X MALE PIPE



• WASHER INCLUDED

AMC	MIDLAND	LIST	FGH X FEMALE NPTF	MAF	MAF PRICE
	30088LF	----	3/4" x 1/2" (1/2" SWT)	LF84GHS	
707484-121208	30094LF		3/4" x 3/4" (1/2" FIP)	LF85GHT	

RIGID - MGH X MGH



LF85GHT

AMC	MIDLAND	LIST	MGH X MGH	MAF	MAF PRICE
707486-121208	30098LF	----	3/4" x 3/4" (1/2" FIP)	LF86GHT	
707486-1212	30099LF		3/4" x 3/4"		

RIGID - MGH X FEMALE PIPE



LF110GH-124

AMC	MIDLAND	LIST	MGH X FEMALE NPTF	MAF	MAF PRICE
707480-1204	30066LF	----	3/4" x 1/4"	LF74GH	
			3/4" x 1/4"	LF110GH-124	
707480-1206	30067LF	----	3/4" x 3/8"	LF80GH-126	
707480-1208	30068LF	----	3/4" x 1/2"	LF80GH	
707480-1212	30073LF	----	3/4" x 3/4"	LF81GH	

LEAD FREE GARDEN HOSE

LEAD FREE BRASS FITTINGS

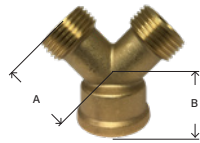
RIGID - MGH X MALE PIPE



LF68GH1216

AMC	MIDLAND	LIST	MGH X MALE NPTF	MAF	MAF PRICE
		----	3/4" x 1/4"	LF76GH	
707478-1206	30053LF	----	3/4" x 3/8"	LF77GH	
707478-1208	30058LF	----	3/4" x 1/2"	LF78GH	
707478-120808	30058SLF	----	3/4" x 1/2" (1/2" SWT)	LF78GHS	
707478-121208	30063LF	----	3/4" x 3/4" x 1/2"	LF79GHT	
			3/4" x 3/4"	LF79GH	
			3/4" x 1"	LF68GH-1216	

CAST BRASS HOSE - "Y" CONNECTOR



LFHY12

AMC	MIDLAND	LIST	SIZE FGH X MGH(2)	MAF	MAF PRICE
707461-12	30140LF	----	3/4"		

GARDEN HOSE CAP



LFHC-12W

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
707404-12	30103LF	----	3/4" Die Cast	LFHC-12W	

GARDEN HOSE NUT



30-021LF



30-022LF

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
707407-12	30021LF	----	Knurled	LFGHNK	
707406-12	30022LF	----	Hex Nut	LFGHNH	

EVAPORATING COOLER ADAPTERS



LFECF12H

* Pipe Threads
** Garden
Hose Threads

AMC	MIDLAND	LIST	SIZE	MAF #	MAF PRICE
	30019LF		3/4" x 3/4"	LFECF12*	22.99
	30020LF		3/4" x 3/4"	LFECF12H**	19.63
	30013LF		1/2" x 1/2"	LFECF8*	15.70

LEAD FREE FLARE
LEAD FREE BRASS FITTINGS

SAE 45° brass flare fittings

- Two pieces construction – nut and body
- Use with copper, brass, aluminum, or steel tubing
- -40° to +250° F. temperature range
- Resists mechanical pullout
- Easy to disassemble and can be reassembled many times, with no effect on the seal
- Primary uses: fuel equipment, plumbing, gases, refrigeration, and vacuum lines
- Meet functional requirements for SAE, ASME and ASA codes for pressure piping



TO ASSEMBLE:

- 1 Cut smooth, square end on tubing
- 2 Slide nut onto tube - threads facing end
- 3 Flare end of tube
- 4 Thread nut to body until snug, then

Tube O.D.	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
Thread Size	5/16-24	3/8-24	7/16-20	1/2-20	5/8-18	11/16-16	3/4-16	7/8-14	11/16-14	1-1/4-12	1 3/8-12

SHORT ROD NUT



LF41S
LF41XS

AMC	MIDLAND	LIST	THREAD SIZE UNF	MAF	MAF PRICE
704014-02	10013LF	----	1/8"	LF41S-2	
704014-03	10014LF	----	3/16"	LF41S-3	
704014-04	10015LF	----	1/4"	LF41S-4	
704014-05	10016LF	----	5/16"	LF41S-5	
704014-06	10017LF	----	3/8"	LF41S-6	
	10018LF	----	7/16"	LF41S-7	
704014-08	10019LF	----	1/2"	LF41S-8	
704014-10	10020LF	----	5/8"	LF41S-10	
704014-12	10021LF	----	3/4"	LF41S-12	

SHORT FORGED NUT



AMC	MIDLAND	LIST	THREAD SIZE UNF	MAF	MAF PRICE
704018-04	10039LF	----	1/4"	LF41XS-4	
704018-06	10041LF	----	3/8"	LF41XS-6	
704020-0604	10052LF	----	3/8" x 1/4"	LF41XSR-64	
704018-08	10042LF	----	1/2"	LF41XS-8	
704020-0806	10054LF	----	1/2" x 3/8"	LF41XSR-86	
704018-10	10043LF	----	5/8"	LF641S-10	
704020-1008	10056LF	----	5/8" x 1/2"		
704018-12	10044LF	----	3/4"		

LEAD FREE FLARE
LEAD FREE BRASS FITTINGS

UNION



LF242

AMC	MIDLAND	LIST	THREAD SIZE UNF	MAF	MAF PRICE
704042-02	10104LF	----	1/8"	LF242X2	
704042-03	10105LF	----	3/16"	LF242X3	
704042-04	10106LF	----	1/4"	LF242X4	
704042-05	10107LF	----	5/16"	LF262X5	
704042-06	10108LF	----	3/8"	LF242X6	
704056-0604	10118LF	----	3/8" x 1/4"	LF242X6x4	
704042-08	10109LF	----	1/2"	LF242X8	
704056-0804	10120LF	----	1/2" x 1/4"	LF242X8x4	
704056-0806	10121LF	----	1/2" x 3/8"	LF242X8X6	
704042-10	10110LF	----	5/8"	LF242X10	
704056-1006	10122LF	----	5/8" x 3/8"	LF242X10x6	
704056-1008	10123LF	----	5/8" x 1/2"	LF242X10X8	
704042-12	10111LF	----	3/4"	LF242X12	

CAP



LF40

AMC	MIDLAND	LIST	THREAD SIZE UNF	MAF	MAF PRICE
704040-04	10075LF	----	1/4"	LF40-4	
704040-05	10076LF	----	5/16"	LF40-5	
704040-06	10077LF	----	3/8"	LF40-6	
704040-08	10078LF	----	1/2"	LF40-8	
704040-10	10079LF	----	5/8"	LF40-10	
	10080LF	----	3/4"	LF40-12	

UNION TEE



AMC	MIDLAND	LIST	SIZE (1 X 2 X 3)	MAF	MAF PRICE
704044-02	10157LF	----	1/8"		
704044-03	10158LF	----	3/16"		
704044-04	10159LF	----	1/4"		
704044-05	10160LF	----	5/16"		
704044-06	10161LF	----	3/8"		
704044-08	10162LF	----	1/2"		
704044-10	10163LF	----	5/8"		

REDUCING UNION TEE

AMC	MIDLAND	LIST	SIZE (1 X 2 X 3)	MAF	MAF PRICE
704059-060604	10174LF	----	3/8" x 3/8" x 1/4"		
704059-060608	10175LF	----	3/8" x 3/8" x 1/2"		
704059-080806	10181LF	----	1/2" x 1/2" x 3/8"		
704059-080810	10182LF	----	1/2" x 1/2" x 5/8"		
704059-101008	10189LF	----	5/8" x 5/8" x 1/2"		

LEAD FREE FLARE
LEAD FREE BRASS FITTINGS

PLUG



LF39

AMC	MIDLAND	LIST	THREAD SIZE UNF	MAF	MAF PRICE
704039-04	10064LF	----	1/4"	LF39-4	
704039-06	10066LF	----	3/8"	LF39-6	
704039-08	10067LF	----	1/2"	LF39-8	
704039-10	10068LF	----	5/8"	LF39-10	

FEMALE ADAPTER



LF46

AMC	MIDLAND	LIST	MALE FLARE X FEMALE NPTF	MAF	MAF PRICE
704046-0302	10227LF	----	3/16" x 1/8"		
704046-0402	10228LF	----	1/4" x 1/8"	LF46-42	
704046-0404	10229LF	----	1/4" x 1/4"	LF46-44	
704046-0406	10230LF	----	1/4" x 3/8"	LF46-46	
704046-0408	10231LF	----	1/4" x 1/2"		
704046-0502	10232LF	----	5/16" x 1/8"		
704046-0504	10233LF	----	5/16" x 1/4"		
704046-0602	10234LF	----	3/8" x 1/8"		
704046-0604	10235LF	----	3/8" x 1/4"	LF46-64	
704046-0606	10236LF	----	3/8" x 3/8"	LF46-66	
704046-0608	10237LF	----	3/8" x 1/2"	LF46-68	
704046-0612	10238LF	----	3/8" x 3/4"	LF46-612	
704046-0804	10239LF	----	1/2" x 1/4"	LF46-84	
704046-0806	10240LF	----	1/2" x 3/8"	LF46-86	
704046-0808	10241LF	----	1/2" x 1/2"	LF46-88	
704046-0812	10242LF	----	1/2" x 3/4"	LF46-812	
704046-1006	10243LF	----	5/8" x 3/8"		
704046-1008	10244LF	----	5/8" x 1/2"	LF46-108	
704046-1012	10245LF	----	5/8" x 3/4"	LF46-1012	
704046-1212	10247LF	----	3/4" x 3/4"	LF46-1212	

MALE BRANCH TEE



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
704045-0402	10204LF	----	1/4" x 1/8"		
704045-0404	10205LF	----	1/4" x 1/4"		
704045-0406	10206LF	----	1/4" x 3/8"		
704045-0604	10210LF	----	3/8" x 1/4"		
704045-0606	10211LF	----	3/8" x 3/8"		
704045-0608	10212LF	----	3/8" x 1/2"		
704045-0806	10214LF	----	1/2" x 3/8"		
704045-0808	10215LF	----	1/2" x 1/2"		
704045-1008	10218LF	----	5/8" x 1/2"		

FORGED SWIVEL



LF700

AMC	MIDLAND	LIST	FEMALE FLARE UNF	MAF	MAF PRICE
704070-04	10481LF	----	1/4"	LF700-4	
704070-05	10482LF	----	5/16"		
704070-06	10483LF	----	3/8"	LF700-6	
704070-08	10484LF	----	1/2"	LF700-8	
704070-10	10485LF	----	5/8"	LF700-10	
704075-0604	10487LF	----	3/8" x 1/4"	LF700R-64	
704075-0806	10488LF	----	1/2" x 3/8"	LF700R-86	

MALE ADAPTER



LF48
LF248

AMC	MIDLAND	LIST	MALE FLARE X MALE NPTF	MAF	MAF PRICE
704048-0202	10253LF	----	1/8" x 1/8"	LF48-22	
704048-0302	10254LF	----	3/16" x 1/8"	LF48-32	
704048-0304	10252LF	----	3/16" x 1/4"	LF48-34	
704048-0402	10255LF	----	1/4" x 1/8"	LF48-42	
704048-0404	10256LF	----	1/4" x 1/4"	LF48-44	
704448-0404	10256EHLF	----	1/4" x 1/4"	LF48-248X4X4	
704048-0406	10257LF	----	1/4" x 3/8"	LF48-46	
704048-0408	10258LF	----	1/4" x 1/2"	LF48-48	
704048-0502	10259LF	----	5/16" x 1/8"		
704048-0504	10260LF	----	5/16" x 1/4"		
704048-0506	10261LF	----	5/16" x 3/8"		
704048-0508	10251LF	----	5/16" x 1/2"		
704048-0602	10262LF	----	3/8" x 1/8"	LF48-62	
704048-0604	10263LF	----	3/8" x 1/4"	LF48-64	
			3/8" x 1/4"	LF248X6	
704048-0606	10264LF	----	3/8" x 3/8"	LF48-66	
704048-0608	10265LF	----	3/8" x 1/2"	LF48-68	
704048-0612	10266LF	----	3/8" x 3/4"	LF48-612	
704048-0804	10267LF	----	1/2" x 1/4"	LF48-84	
704048-0806	10268LF	----	1/2" x 3/8"	LF48-86	
704048-0808	10269LF	----	1/2" x 1/2"	LF48-88	
704048-0812	10270LF	----	1/2" x 3/4"	LF48-812	
704048-1006	10272LF	----	5/8" x 3/8"	LF48-106	
704048-1008	10273LF	----	5/8" x 1/2"	LF48-108	
704048-1012	10274LF	----	5/8" x 3/4"	LF48-1012	
704048-1208	10275LF	----	3/4" x 1/2"	LF48-128	
704048-1212	10276LF	----	3/4" x 3/4"	LF48-1212	
704048-1412	10278LF	----	7/8" x 3/4"	LF48-1412	

LEAD FREE FLARE
LEAD FREE BRASS FITTINGS

UNION ELBOW



BS
LF255B

AMC	MIDLAND	LIST	FLARE X FLARE	MAF	MAF PRICE
704055-04	10406LF	----	1/4"	LF255X4	
704055-05	10407LF	----	3/8"	LF55F-6	
704055-08	10409LF	----	1/2"		
704057-0806	10419LF	----	1/2" x 3/8"		
704055-10	10410LF		5/8"		

FLARE X FIP TEE



AMC	MIDLAND	LIST	FLARE X FLARE X FE PIPE	MAF	MAF PRICE
704058-080808	10434LF	----	1/2" x 1/2" x 1/2"		

90° MALE ELBOW



LF249B
BS

AMC	MIDLAND	LIST	FLARE X MALE PIPE	MAF	MAF PRICE
704049-0302	10284LF	----	3/16" x 1/8"		
704049-0402	10286LF	----	1/4" x 1/8"	LF249X4X2	
704049-0404	10287LF	----	1/4" x 1/4"	LF249X4X4	
704049-0406	10288LF	----	1/4" x 3/8"	LF249X4X6	
704049-0408	10289LF	----	1/4" x 1/2"		
704049-0502	10290LF	----	5/16" x 1/8"	LF249X5	
704049-0504	10291LF	----	5/16" x 1/4"	LF249X5X4	
704049-0602	10293LF	----	3/8" x 1/8"	LF249X6X2	
704049-0604	10294LF	----	3/8" x 1/4"	LF249X6X4	
704049-0606	10295LF	----	3/8" x 3/8"	LF249X6X6	
704049-0608	10296LF	----	3/8" x 1/2"	LF249X6X8	
704049-0612	10297LF	----	3/8" x 3/4"	LF249X6X12	
704049-0804	10298LF	----	1/2" x 1/4"	LF249X8X4	
704049-0806	10299LF	----	1/2" x 3/8"	LF249X8X6	
704049-0808	10300LF	----	1/2" x 1/2"	LF249X8X8	
704049-0812	10301LF	----	1/2" x 3/4"	LF249X8X12	
704049-1006	10302LF	----	5/8" x 3/8"		
704049-1008	10303LF	----	5/8" x 1/2"	LF249X10	
704049-1012	10304LF	----	5/8" x 3/4"		
704049-1208	10305LF	----	3/4" x 1/2"	LF249X12	
704049-1212	10306LF	----	3/4" x 3/4"	LF249X12X12	



LEAD FREE FLARE

LEAD FREE BRASS FITTINGS

FEMALE ELBOW



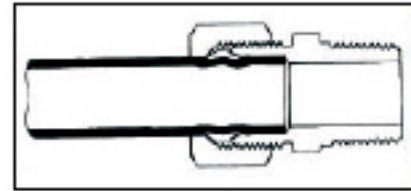
AMC	MIDLAND	LIST	FLARE X FEMALE PIPE	MAF	MAF PRICE
704050-0402	10313LF	----	1/4" x 1/8"		
704050-0404	10314LF	----	1/4" x 1/4"		
704050-0604	10319LF	----	3/8" x 1/4"		
704050-0606	10320LF	----	3/8" x 3/8"		
704050-0608	10321LF	----	3/8" x 1/2"		
704050-0612	10322LF	----	3/8" x 3/4"		
704050-0806	10324LF	----	1/2" x 3/8"		
704050-0808	10325LF	----	1/2" x 1/2"		
704050-0812	10326LF	----	1/2" x 3/4"		
704050-1008	10328LF	----	5/8" x 1/2"		
704050-1012	10329LF	----	5/8" x 3/4"		
704050-1212	10331LF	----	3/4" x 3/4"		

LEAD FREE COMPRESSION

LEAD FREE BRASS FITTINGS

BRASS COMPRESSION FITTINGS - LEAD FREE

- Three piece construction- nut, sleeve (or ferrule) and body
- Use with copper, aluminum, or plastic tubing (plastic requires 60P sleeve and 61P insert)
- -40° to +250° F. temperature range
- Easy to disassemble, no flaring tool required
- Primary uses: water, gasoline, oil, and vacuum lines



TO ASSEMBLE:

- 1 Cut smooth, square end on tubing
- 2 Slide nut, then sleeve onto tube. Threads must face end
- 3 Insert tube into fitting
- 4 Thread nut onto fitting until snug, then as follows:

Tube O.D.	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8
Thread Size	5/16-24	3/8-24	7/16-24	1/2-24	9/16-24	5/8-24	11/16-20	13/16-18	1-18	1-1/8-18

BRASS COMPRESSION FITTINGS

BRASS SLEEVE



LF260
• FERRULES

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700060-02	18001LF	----	1/8"	LF260X2	
700060-03	18002LF	----	3/16"	LF260X3	
700060-04	18003LF	----	1/4"	LF260X4	
700060-05	18004LF	----	5/16"	LF260X5	
700060-06	18005LF	----	3/8"	LF260X6	
700060-07	18006LF	----	7/16"	LF260X7	
700060-08	18007LF	----	1/2"	LF260X8	
700060-10	18008LF	----	5/8"	LF260X10	
700060-12	18009LF	----	3/4"	LF260X12	
700060-14	18010LF	----	7/8"	LF260X14	

60 260

DELTRIN SLEEVE



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
00560-04	18015	----	1/4"	60P-4	
00560-05	18016	----	5/16"	60P-5	
00560-06	18017	----	3/8"	60P-6	
00560-08	18018	----	1/2"	60P-8	
00560-10	18019	----	5/8"	60P-10	

60-P

BRASS NUT



LF261

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700061-02	18033LF	----	1/8"	LF261X2	
700061-03	18034LF	----	3/16"	LF261X3	
700061-04	18035LF	----	1/4"	LF261X4	
700061-05	18036LF	----	5/16"	LF261X5	
700061-06	18037LF	----	3/8"	LF261X6	
700061-07	18038LF	----	7/16"	LF261X7	
700061-08	18039LF	----	1/2"	LF261X8LP	
700061-10	18040LF	----	5/8"	LF261X10	
700061-12	18041LF	----	3/4"	LF261X12	
700061-14	18042LF	----	7/8"	LF261X14	

BRASS INSERT



· SLEEVE

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700561-02	22008LF	----	1/8"	63P-2	
700561-03	22009LF	----	3/16"	63P-3	
700561-04	22010LF	----	1/4"	63P-4	
700561-05	22011LF	----	5/16"	63P-5	
700561-06	22012LF	----	3/8"	63P-6	
700561-08	22013LF	----	1/2"	63P-8	
700561-10	22014LF		5/8"		

BRASS NUT W/ CAPTIVE SLEEVE



LF611X6

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700261-02	26001LF	----	1/8"		
700261-03	26002LF	----	3/16"		
700261-04	26003LF	----	1/4"	LF261CAX4	
700261-05	26004LF	----	5/16"		
700261-06	26005LF	----	3/8"	LF261CAX6	
700261-08	26007LF	----	1/2"	LF261CAX8	
700261-10	26008LF	----	5/8"		
700261-12	26015LF	----	3/4"		
700261-14	26016LF	----	7/8"		

CAP

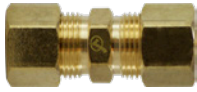


AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700081-04	18047LF	----	1/4"	LF61CC-4	
700081-05	18046LF	----	5/16"	LF61CC-5	
700081-06	18048LF	----	3/8"	LF61CC-6	
700081-08	18049LF	----	1/2"	LF61CC-8	
700081-10	18050LF	----	5/8"	LF61CC-10	

LEAD FREE COMPRESSION

LEAD FREE BRASS FITTINGS

UNION



LF262

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700062-02	18062LF	----	1/8"	LF262X2	
700062-03	18063LF	----	3/16"	LF262X3	
700062-04	18064LF	----	1/4"	LF262X4	
700062-05	18065LF	----	5/16"	LF262X5	
700062-06	18066LF	----	3/8"	LF262X6	
700062-07	18067LF	----	7/16"		
700062-08	18068LF	----	1/2"	LF262X8	
700062-10	18069LF	----	5/8"	LF62-10	
700062-12	18070LF	----	3/4"	LF62-12	
700062-14	18071LF	----	7/8"	LF62-14	

M-62

REDUCING UNION



LF62R

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700082-0402	18076LF	----	1/4" x 1/8"	LF62R-42	
700082-0403	18077LF	----	1/4" x 3/16"	LF62R-43	
700082-0504	18078LF	----	5/16" x 1/4"	LF62R-54	
700082-0604	18079LF	----	3/8" x 1/4"	LF62R-64	
700082-0605	18080LF	----	3/8" x 5/16"	LF62R-65	
700082-0806	18081LF	----	1/2" x 3/8"	LF62R-86	
700082-1006	18082LF	----	5/8" x 3/8"	LF62R-106	
700082-1008	18083LF	----	5/8" x 1/2"	LF62R-108	

62-R

TANK UNION



LF62T

• DRILLED THROUGH

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700092-06	18066DLF	----	3/8"	LF62T-6	
700092-08	18068DLF	----	1/2"	LF62T-8	
700092-10	18069DLF	----	5/8"	LF62T-10	
700092-14	18071DLF	----	7/8"	LF62T-14	

TEE



LF264B

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700064-02	18101LF	----	1/8"		
700064-03	18102LF	----	3/16"	LF264X3	
700064-04	18103LF	----	1/4"	LF264X4	
700064-05	18104LF	----	5/16"	LF264X5	
700064-06	18105LF	----	3/8"	LF264X6	
700064-08	18106LF	----	1/2"	LF264X8	
700064-10	18107LF	----	5/8"	LF264X10	
700064-14	18109LF	----	7/8"	LF64-14	

LEAD FREE COMPRESSION

LEAD FREE BRASS FITTINGS

REDUCING TEE



AMC	MIDLAND	LIST	SIZE (1 X 2 X 3)	MAF	MAF PRICE
700084-040402	18114LF	----	1/4" x 1/4" x 1/8"		
700084-040406	18110LF	----	1/4" x 1/4" x 3/8"		
700084-060604	18115LF		3/8" x 3/8" x 1/4"	LF264X6X6X4	
700084-080804	18116LF		1/2" x 1/2" x 1/4"		
700084-080806	18117LF		1/2" x 1/2" x 3/8"	LF264X8X8X6	
700084-101006	18118LF		5/8" x 5/8" x 3/8"	LF264X10X10X6	

64-R

ELBOW



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700065-02	18122LF	----	1/8"		
700065-03	18123LF	----	3/16"		
700065-04	18124LF	----	1/4"	LF265X4	
700065-05	18125LF	----	5/16"		
700065-06	18126LF	----	3/8"	LF265X6	
700065-08	18127LF	----	1/2"	LF265X8	
700065-10	18128LF	----	5/8"	LF265X10	
700065-12	18129LF	----	3/4"		
700065-14	18130LF	----	7/8"		
700085-0604	18135LF	----	3/8" x 1/4"		
700085-0806	18136LF	----	1/2" x 3/8"		
700085-1006	18137LF	----	5/8" x 3/8"		
700085-1008	18138LF		5/8" x 1/2"		

65 BSE2 165C 265C

LEAD FREE COMPRESSION

LEAD FREE BRASS FITTINGS

FEMALE COUPLING



LF66
LF266

AMC	MIDLAND	LIST	COMP. X FEMALE NPT	MAF	MAF PRICE
700066-0202	18142LF		1/8" x 1/8"	LF66-22	----
700066-0302	18143LF		3/16" x 1/8"	LF66-32	----
700066-0304	18144LF		3/16" x 1/4"		----
700066-0402	18145LF		1/4" x 1/8"	LF66-42	----
700066-0404	18146LF		1/4" x 1/4"	LF66-44	----
700066-0406	18147LF		1/4" x 3/8"	LF66-46	----
700066-0408	18148LF		1/4" x 1/2"	LF66-48	----
700066-0502	18149LF		5/16" x 1/8"		----
700066-0504	18150LF		5/16" x 1/4"		----
700066-0506	18151LF		5/16" x 3/8"	LF66-56	----
700066-0602	18152LF		3/8" x 1/8"	LF66-62	----
700066-0604	18153LF		3/8" x 1/4"	LF66-64	----
700066-0606	18154LF		3/8" x 3/8"	LF66-66	----
700066-0608	18155LF		3/8" x 1/2"	LF66-68	----
700066-0612	18156LF		3/8" x 3/4"	LF66-612	----
700066-0804	18157LF		1/2" x 1/4"		----
700066-0806	18158LF		1/2" x 3/8"	LF66-86	----
700066-0808	18159LF		1/2" x 1/2"	LF66-88	----
700066-0812	18160LF		1/2" x 3/4"	LF66-812	----
700066-1006	18161LF		5/8" x 3/8"	LF66-106	----
700066-1008	18162LF		5/8" x 1/2"	LF66-108	----
700066-1012	18163LF		5/8" x 3/4"	LF66-1012	----
700066-1208	18164LF		3/4" x 1/2"	LF66-128	----
700066-1212	18165LF		3/4" x 3/4"	LF66-1212	----
700066-1408	18167LF		7/8" x 1/2"	LF66-148	----
700066-1412	18166LF		7/8" x 3/4"	LF66-1412	----

66

COMP X SWEAT ADAPTER



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700086-0610	18171LF		3/8" x 1/2" nom.swt.		----

LEAD FREE COMPRESSION

LEAD FREE BRASS FITTINGS

MALE ADAPTER COMP X MIP



LF68

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700068-0202	18176LF	----	1/8" x 1/8"	LF68-22	
700068-0302	18177LF	----	3/16" x 1/8"	LF68-32	
700068-0304	18178LF	----	3/16" x 1/4"	LF68-34	
700068-0402	18179LF	----	1/4" x 1/8"	LF68-42	
700068-0404	18180LF	----	1/4" x 1/4"	LF68-44	
700068-0406	18181LF	----	1/4" x 3/8"	LF68-46	
700068-0408	18182LF	----	1/4" x 1/2"	LF68-48	
700068-0502	18183LF	----	5/16" x 1/8"	LF68-52	
700068-0504	18184LF	----	5/16" x 1/4"	LF68-54	
700068-0506	18185LF	----	5/16" x 3/8"		
700068-0508	18186LF	----	5/16" x 1/2"		
700068-0602	18187LF	----	3/8" x 1/8"	LF68-62	
700068-0604	18188LF	----	3/8" x 1/4"	LF68-64	
700068-0606	18189LF	----	3/8" x 3/8"	LF-68-66	
700068-0608	18190LF	----	3/8" x 1/2"	LF68-68	
700068-0612	18191LF	----	3/8" x 3/4"	LF68-612	
700068-0704	18192LF	----	7/16" x 1/4"		
700068-0706	18204LF	----	7/16" x 3/8"		
700068-0804	18193LF	----	1/2" x 1/4"	LF68-84	
700068-0806	18194LF	----	1/2" x 3/8"	LF68-86	
700068-0808	18195LF	----	1/2" x 1/2"	LF68-88	
700068-0812	18196LF	----	1/2" x 3/4"	LF68-812	
700068-1006	18197LF	----	5/8" x 3/8"	LF68-106	
700068-1008	18198LF	----	5/8" x 1/2"	LF68-108	
700068-1012	18199LF	----	5/8" x 3/4"	LF68-1012	
700068-1208	18200LF	----	3/4" x 1/2"	LF68-128	
700068-1212	18201LF	----	3/4" x 3/4"	LF68-1212	
700068-1408	18202LF	----	7/8" x 1/2"	LF68-148	
700068-1412	18203LF	----	7/8" x 3/4"	LF68-1412	
700068-1416	18205LF	----	7/8" x 1"	LF68-1416	

LEAD FREE COMPRESSION

LEAD FREE BRASS FITTINGS

LEAD FREE

ELBOW COMP X MIP



LF269B
LF69F

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700069-0202	18220LF	----	1/8" x 1/8"		
700069-0302	18221LF	----	3/16" x 1/8"		
700069-0304	18223LF	----	3/16" x 1/4"		
700069-0402	18224LF	----	1/4" x 1/8"	LF269X4	
700069-0404	18225LF	----	1/4" x 1/4"	LF269X4X4	
700069-0406	18226LF	----	1/4" X 3/8"	LF269X4X6	
700069-0408	18227LF	----	1/4" x 1/2"		
700069-0502	18228LF	----	5/16" x 1/8"		
700069-0504	18229LF	----	5/16" x 1/4"		
700069-0506	18230LF	----	5/16" x 3/8"		
700069-0602	18232LF	----	3/8" x 1/8"	LF269X6X2	
700069-0604	18233LF	----	3/8" x 1/4"	LF269X6	
700069-0606	18234LF	----	3/8" x 3/8"	LF269X6X6	
700069-0608	18235LF	----	3/8" x 1/2"	LF269X6X8	
700069-0612	18248LF	----	3/8" x 3/4"		
700069-0704	18247LF	----	7/16" x 1/4"		
700069-0804	18236LF	----	1/2" x 1/4"		
700069-0806	18237LF	----	1/2" x 3/8"	LF69F-86	
700069-0808	18238LF	----	1/2" x 1/2"	LF69F-88	
700069-0812	18239LF	----	1/2" x 3/4"		
700069-1006	18240LF	----	5/8" x 3/8"	LF269X10X6	
700069-1008	18241LF	----	5/8" x 1/2"	LF69F-108	
700069-1012	18242LF	----	5/8" x 3/4"	LF269X10X12	
700069-1208	18243LF	----	3/4" x 1/2"		
700069-1212	18245LF	----	3/4" x 3/4"		
700069-1412	18246LF	----	7/8" x 3/4"	LF69F-1412	

TANK CONNECTOR COMP X MIP



LF68T
• DRILLED THROUGH

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700088-0302	18177TLF	----	3/16" x 1/8"	LF68T-32	
700088-0402	18208LF	----	1/4" x 1/8"	LF68T-42	
700088-0404	18209LF	----	1/4" x 1/4"	LF68T-44	
700088-0604	18210LF	----	3/8" x 1/4"	LF68T-64	
700088-0606	18211LF	----	3/8" x 3/8"	LF68T-66	
700088-0608	18212LF	----	3/8" x 1/2"	LF68T-68	
700088-0806	18213LF	----	1/2" x 3/8"	LF68T-86	
700088-0808	18214LF	----	1/2" x 1/2"	LF68T-88	
700088-1008	18215LF	----	5/8" x 1/2"		

69 269C BSE1 169C

LEAD FREE COMPRESSION

LEAD FREE BRASS FITTINGS

FEMALE ELBOW COMP X FIP



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700070-0202	18251LF	----	1/8" x 1/8"		
700070-0302	18252LF	----	3/16" x 1/8"		
700070-0402	18253LF	----	1/4" x 1/8"		
700070-0404	18254LF	----	1/4" x 1/4"		
700070-0406	18267LF	----	1/4" x 3/8"		
700070-0408	18268LF	----	1/4" x 1/2"		
700070-0502	18255LF	----	5/16" x 1/8"		
700070-0504	18256LF	----	5/16" x 1/4"		
700070-0602	18257LF	----	3/8" x 1/8"		
700070-0604	18258LF	----	3/8" x 1/4"	LF70F-64	
700070-0606	18259LF	----	3/8" x 3/8"	LF270X6X6	
700070-0608	18260LF	----	3/8" x 1/2"		
700070-0612	18250LF	----	3/8" x 3/4"		
700070-0806	18262LF	----	1/2" x 3/8"	LF270X8	
700070-0808	18263LF	----	1/2" x 1/2"	LF270X8X8	
700070-1006	18269LF	----	5/8" x 3/8"		
700070-1008	18264LF	----	5/8" x 1/2"	LF270X10	
700070-1012	18265LF	----	5/8" x 3/4"		

45° ELBOW COMP X MIP



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700095-0402	18330LF	----	1/4" x 1/8"		
700095-0404	18336LF	----	1/4" x 1/4"		
700095-0604	18333LF	----	3/8" x 1/4"		
700095-0606	18338LF	----	3/8" x 3/8"		
700095-0806	18334LF	----	1/2" x 3/8"		
700095-0808	18339LF	----	1/2" x 1/2"		
700095-1008	18335LF	----	5/8" x 1/2"		

MALE RUN TEE COMPRESSION X MIP



LF272

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700071-0302	18273LF	----	3/16" x 1/8"		
700071-0402	18274LF	----	1/4" x 1/8"		
700071-0404	18275LF	----	1/4" x 1/4"		
700071-0502	18276LF	----	5/16" x 1/8"		
700071-0504	18277LF	----	5/16" x 1/4"		
700071-0604	18279LF	----	3/8" x 1/4"		
700071-0606	18280LF	----	3/8" x 3/8"		
700071-0806	18281LF	----	1/2" x 3/8"		

LEAD FREE COMPRESSION

LEAD FREE BRASS FITTINGS

LEAD FREE

MALE BRANCH TEE COMP X MIP



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700072-0202	18289LF	----	1/8" x 1/8"		
700072-0302	18290LF	----	3/16" x 1/8"		
700072-0402	18291LF	----	1/4" x 1/8"	LF272X4	
700072-0404	18292LF	----	1/4" x 1/4"		
700072-0502	18293LF	----	5/16" x 1/8"		
700072-0504	18294LF	----	5/16" x 1/4"		
700072-0602	18295LF	----	3/8" x 1/8"		
700072-0604	18296LF	----	3/8" x 1/4"		
700072-0606	18297LF	----	3/8" x 3/8"		
700072-0806	18299LF	----	1/2" x 3/8"		
700072-0808	18300LF	----	1/2" x 1/2"		
700072-1008	18301LF	----	5/8" x 1/2"		
700072-1212	18303LF	----	3/4" x 3/4"		

TEE COMP X FIP X MIP



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700075-040202	18307LF		1/4" x 1/8 x 1/8"		----

TEE FIP X MIP X COMP



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700076-0404	18315LF	----	1/4" x 1/4" x 1/4"		

FEMALE BRANCH TEE COMP X FIP



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700078-0602	18325LF	----	3/8" x 1/8"		
700078-0604	18322LF	----	3/8" x 1/4"		
700078-0606	18323LF	----	3/8" x 3/8"		
700078-1002	18327LF	----	5/8" x 1/8"		

FEMALE ADAPTER COMPRESSION X FEMALE FLARE



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700093-0404	18502LF	----	1/4" x 1/4"		

MALE ADAPTER COMPRESSION X MALE FLARE



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700094-0404	18503LF	----	1/4" x 1/4"	LF6242CF-44	
			1/4" x 3/8"	LF6242CF-46	

LEAD FREE COMPRESSION

LEAD FREE BRASS FITTINGS

FEMALE ADAPTER (GASKET) FEMALE COMPRESSION X COMPRESSION



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
730097-0604	18500LF	----	3/8" x 1/4"		
700097-0806	18501LF	----	1/2" x 3/8"		

FEMALE ADAPTER (GASKET) FEMALE FLARE X COMPRESSION



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
734822-0606	18510LF	----	9/16-24 x 3/8		

FEMALE ADAPTER (GASKET) FE GARDEN HOSE X COMPRESSION



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
737422-1204	30050LF	----	3/4" x 1/4"		
737422-1206	30051LF	----	3/4" x 3/8"		

LF124GH
LF125GH

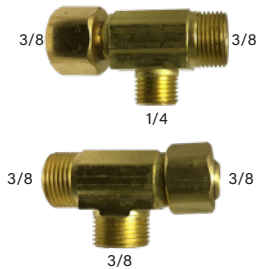
SWIVEL ELBOW COMP X FE GARDEN HOSE SWIVEL



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
737469-0612	30055LF	----	3/8" x 3/4"		

LF69GHS-162
• NO NUT & SLEEVE

LEAD FREE ADD-A-TEE COMP X COMP X SWIVEL FE COMPRESSION



AMC	MIDLAND	LIST	MALE & FEM. COMPRESSION X MALE COMP	MAF	MAF PRICE
700073-060604	935044LF	----	3/8 x 1/4		
700073-060606	935045LF	----	3/8 x 3/8		

- For adding a water line
- Ice makers, Coffee makers and instant hot water systems
- NSF Approved

N/P COMPRESSION/ ICE MAKER KITS/ LEAD FREE BRASS FITTINGS

LEAD FREE BRASS FITTINGS



LEAD FREE

NICKEL PLATED COMPRESSION FITTINGS

NUT



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700661-04	18054LF		1/4"		----
700661-06	18055LF		3/8"		----
700661-08	18056LF		1/2"		----
700661-10	18057LF		5/8"		----

UNION



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700662-06	31066LF	----	3/8"		
700662-08	31068LF	----	1/2"		

REDUCING UNION



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700682-0604	31079LF	----	3/8" x 1/4"		
700682-0806	31081LF	----	1/2" x 3/8"		
700682-1006	31082LF	----	5/8" x 3/8"		
700682-1008	31083LF	----	5/8" x 1/2"		

TEE



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700664-06	31105LF	----	3/8"		
700664-08	31106LF	----	1/2"		

ELBOW



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700665-06	31126LF		3/8"		
700665-08	31127LF		1/2"		

REDUCING ELBOW

AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700685-1006	31137LF		5/8" x 3/8"		

FEMALE COUPLING



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700666-0606	31154LF	----	3/8" x 3/8"		
700666-0608	31155LF	----	3/8" x 1/2"		
700666-0806	31158LF	----	1/2" x 3/8"		
700666-0808	31159LF	----	1/2" x 1/2"		

COMP X SWEAT ADAPTER



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700686-0610	31171LF	----	3/8" x 5/8" O.D (1/2 Nom. Sweat)		

CONNECTOR



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700668-0604	31188LF	----	3/8" x 1/4"		
700668-0606	31189LF	----	3/8" x 3/8"		
700668-0608	31190LF	----	3/8" x 1/2"		
700668-0806	31194LF	----	1/2" x 3/8"		
700668-0808	31195LF	----	1/2" x 1/2"		
00668-1008	31198LF	----	5/8" x 1/2"		

ELBOW



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700669-0604	31233LF	----	3/8" x 1/4"		
700669-0606	31234LF	----	3/8" x 3/8"		
700669-0608	31235LF	----	3/8" x 1/2"		
700669-0806	31237LF	----	1/2" x 3/8"		
700669-0808	31238LF	----	1/2" x 1/2"		

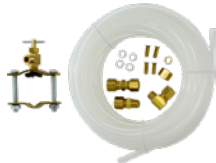
ELBOW



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
700670-0608	31260LF		3/8" x 1/2"		----

ICE MAKER KITS

ICE MAKER WATER SUPPLY KIT WITH POLY TUBING



AMC	MIDLAND	LIST	DESCRIPTION	MAF	MAF PRICE
760001	43265LF	----	Kit		

- Lead free fittings
- Bag with Header Card
- 25' 1/4" O.D. Polyethylene
- Self Piercing Saddle Valve
- 1/4" O.D. Compression x 1/8" MIP Elbow & Adapter
- 1/4" O.D. Compression Union
- 1/4" Inserts & Sleeves

ICE-MAKER WATER SUPPLY KIT



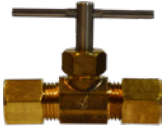
AMC	MIDLAND	LIST	MAF	MAF PRICE
760008	43266LF	----		

- Economy
- 25' Polyethylene Tubing
- Self Piercing Saddle Valve
- 1/4" Compression Union
- 1/4" Inserts & Sleeves

LEAD FREE NEEDLE VALVES

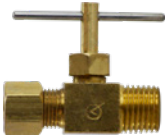
LEAD FREE BRASS FITTINGS

COMP X COMP



AMC	MIDLAND	LIST	COMP X COMP	MAF	MAF PRICE
709106-04	46021LF	----	1/4"		
709106-05	46022LF	----	5/16"		
709106-06	46023LF	----	3/8"		

COMP X MALE PIPE



AMC	MIDLAND	LIST	COMP X MALE PIPE	MAF	MAF PRICE
709101-0402	46002LF	----	1/4" x 1/8"		
709101-0404	46003LF	----	1/4" x 1/4"		
709101-0604	46005LF	----	3/8" x 1/4"		

COMP X MALE PIPE-ANGLE



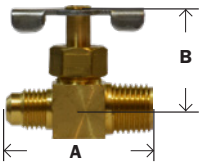
AMC	MIDLAND	LIST	COMP X MALE PIPE	MAF	MAF PRICE
709103-0402	46011LF	----	1/4" x 1/8"		
709103-0404	46012LF	----	1/4" x 1/4"		
709103-0502	46013LF	----	5/16" x 1/8"		
709103-0602	46015LF	----	3/8" x 1/8"		
709103-0604	46016LF	----	3/8" x 1/4"		

FLARE X FLARE



AMC	MIDLAND	LIST	FLARE X FLARE	MAF	MAF PRICE
709110-04	46045LF	----	1/4"		
709110-06	46046LF	----	3/8"		

FLARE X MALE PIPE



AMC	MIDLAND	LIST	MALE FLARE X MALE PIPE	MAF	MAF PRICE
709104-0404	46029LF	----	1/4" x 1/4"		

FEMALE PIPE X FEMALE PIPE



AMC	MIDLAND	LIST	FEMALE X FEMALE	MAF	MAF PRICE
709134-02	46055LF	----	1/8" x 1/8"		
709134-04	46056LF	----	1/4" x 1/4"		

MALE X FEMALE PIPE

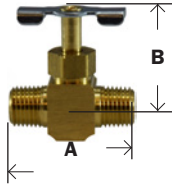


AMC	MIDLAND	LIST	FEMALE X MALE	MAF	MAF PRICE
709135-02	46060LF	----	1/8" x 1/8"		
709135-04	46061LF	----	1/4" x 1/4"		

LEAD FREE NEEDLE VALVES

LEAD FREE BRASS FITTINGS

MALE PIPE TO MALE PIPE



AMC	MIDLAND	LIST	MALE PIPE X MALE PIPE	MAF	MAF PRICE
709108-04	46051LF	----	1/4"		

VALVE WITH TEE



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
709178-0406	46175LF	----	1/4" x 3/8"		
709178-0410	46177LF	----	1/4" x 5/8"		
709178-0606	46174LF	----	3/8" x 3/8"		

VALVE WITH SADDLE FITS UP TO 3/4" PIPE



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
709195-04	46091LF	----	1/4"		
709195-05		----	5/16"		
709195-06	46093LF	----	3/8"		

BRASS SADDLE



AMC	MIDLAND	LIST	SIZE	MAF	MAF PRICE
709190	46099LF	----	1/8"		

SELF PIERCING SADDLE VALVES



AMC	MIDLAND	LIST		MAF	MAF PRICE
709199-04	46090ALF	----	Solid Pin		
	46090HLF	----	Hollow Pin		

- 1/4 Tube O.D.

SELF PIERCING NEEDLE VALVE KIT #M-104-VSP

- INDIVIDUALLY BAGGED WITH NEEDLE VALVE
 - SADDLE CLAMP
 - 2 NUTS
 - 2 BOLTS & WASHERS
- Has brass sleeve for copper tube installation & delrin

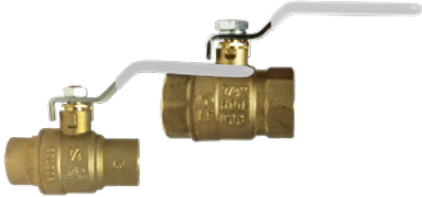
sleeve & brass insert for plastic tube installation.



LEAD FREE VALVES & PLBG

LEAD FREE VALVES & PLUMBING ACCESSORIES!

LEAD FREE BALL VALVES



PRESS VALVES



PEX VALVES



PUSH FIT VALVES



SILCOCK



GATE VALVES



CHECK



BOILER DRAIN



SUPPLY CONNECTORS



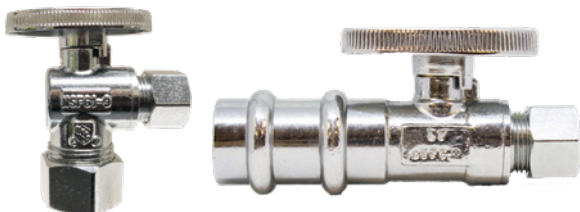
RUBBER COUPLINGS



VACUUM BREAKER



SUPPLY STOPS



WATER METER FLANGES



WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

LEAD FREE BALL VALVES

LF VALVES & PLBG FITTINGS



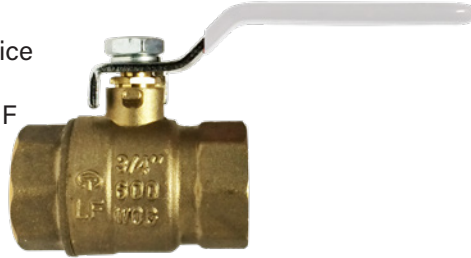
LEAD FREE BALL VALVE



IAMPO IGC 157 - 2004b

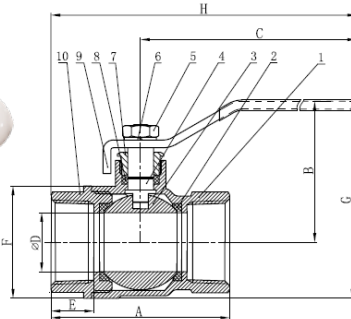
PRICING FILE AVAILABLE ONLINE

Lead Free Brass Ball Valve NPT,Female*Female
 Lead Free and dezincification resistant (DZR) material
 IAPMO listed to NSF/ANSI-61, NSF/ANSI-372 ,IGC-157
 CSA listed to NSF/ANSI-61, NSF/ANSI-372 ,IGC-157
 Vacuum Services 29.92 inches Hg
 600 psi (WOG) 150 psi (WSP) Service
 Thread conform ANSI B1.201
 Temperature Range : -40° F to 365° F
 Construction:Forging Brass Body
 PTFE Ball Seats
 Blow Out Proof Brass Stem
 Stainless Steel Ball
 Steel Handle w/Vinyl Grip
 Made in China



FIP X FIP LEAD FREE BALL VALVE

PART #	SIZE	DN	A	B	C	E	F	G	H	WEIGHT	BOX/CASE	
941151LF	1/4"	0.394	1.73	1.69	3.35	0.453	0.945	2.154	4.331	0.32	10/120	----
941152LF	3/8"	0.394	1.73	1.69	3.35	0.473	0.945	2.154	4.331	0.32	10/120	----
941153LF	1/2"	0.524	1.89	1.73	3.35	0.472	1.083	2.276	4.291	0.36	10/100	----
941154LF	3/4"	0.748	2.28	1.89	3.35	0.563	1.378	2.579	4.488	0.57	10/80	----
941155LF	1"	0.984	2.80	2.14	4.29	0.650	1.772	3.031	5.689	0.94	8/48	----
941156LF	1-1/4"	1.240	3.15	2.32	4.29	0.669	2.165	3.398	5.866	1.30	4/36	----
941157LF	1-1/2"	1.476	3.44	2.66	5.53	0.701	2.50	3.909	7.343	1.92	2/24	----
941158LF	2"	1.949	4.06	3.01	5.53	0.708	3.244	4.638	7.638	3.12	2/12	----
941159LF	2-1/2"	2.52	5.53	4.25	7.76					7.42	2/12	----
941160LF	3"	2.89	6.14	4.58	8.19					11.01	1/6	----
941161LF	4"	3.84	7.79	5.49	9.25					12.10	1/2	----



No	Item	Qty	Material
1	Body	1	Lead Free Brass
2	Seat	2	PTFE
3	Ball	1	Stainless Steel
4	Stem	1	Brass
5	Handle Nut	1	Plated Steel
6	Lock Washer	1	Plated Steel
7	Packing Nut	1	Brass
8	Packing	1	PTFE
9	Handle	1	Plated Steel
10	Cap	1	Lead Free Brass

SWT X SWT LEAD FREE BALL VALVE

PART #	SIZE	DN	A	B	C	E	G	H	WEIGHT	WTG	BOX/CASE	
941163LF	1/2"	0.524	1.945	1.73	3.35	0.504	1.083	2.276	4.319	0.38	10/100	----
941164LF	3/4"	0.748	2.654	1.89	3.35	0.748	1.378	2.579	4.665	0.65	10/80	----
941165LF	1"	0.984	3.315	2.14	4.29	0.909	1.772	3.031	5.949	0.93	8/48	----
941166LF	1-1/4"	1.240	3.741	2.32	4.29	0.968	2.165	3.398	6.165	1.35	4/36	----
941167LF	1-1/2"	1.476	4.252	2.66	5.53	1.091	2.50	3.909	7.756	1.88	2/24	----
941168LF	2"	1.949	5.38	3.01	5.53	1.343	3.244	4.638	8.268	3.62	2/12	----
941169LF	2 1/2"	2.52	5.53	4.25	7.76							----
941170LF	3"	2.89	6.14	4.58	8.19							----
941171LF	4"	3.84	7.79	5.49	9.25							----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

LEAD FREE VALVES AND PLUMBING

LEAD FREE BALL VALVES

LF VALVES & PLBG FITTINGS

1/2" - 2" Sizes Gas Approved



LEAD FREE BALL VALVE

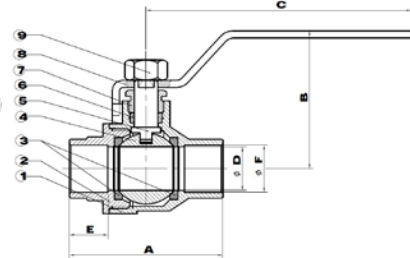
• BRASS • 600PSI • FULL PORT W/APPROVALS
 CSA, UL, FM(1/4"-2"), cUPC, NSF/ ANSI 61 & 372

FEATURES

- Leadfree Brass Ball valve NPT, Female * Female
- Lead free and dezincification resistant (DZR) material
- 1/4"-1" Lead Free Brass Ball
- Size 1-1/4" thru 4" with Stainless steel ball
- IAMPO listed to cUPC, NSF/ ANSI 61 & 372, IGC 157
- CSA - 1/4" thru 2": ANSI Z21.15/ CSA 9.1 for 1/2 psig valves ASME B16.44, CGA CR91-002 for 2 & 5 psig valves; CAN/ CGA-3.16, ASME B16.33 (1/2"-2") for 125 psig valves
- UL 125, UL 1477, UL 842 - for size 1/4" thru 4", 250 psig
- UL 258 - for size 1/4" thru 2", 175 psig
- FM - for size 1/4" thru 2"
- ISO 9002 Manufacture
- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated for 1/4"-2" at 600psi (42 bars) and 2-1/2"-4" at 400 psi WOG (non-shock) and 150 WSP (10.34 bars) saturated steam. Virgin PTFE stem packing seal, thrust washer and seats
- White vinyl insulator on heavy duty plated carbon steel handles
- Fast 1/4 turn open or close operation

- Low operating torque
- **Adjustable stem packing gland**
- Maximum operating temperature: 302°F (150° C)
- Minimum operating temperature: -22°F (-30°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem

POS	Components	Materials
1	Body	Lead Free Brass
2	End Cap	Lead Free Brass
3	Ball Seat	PTFE
4	Ball	1/4-1:Lead Free Brass 1 1/4-4:SS316 Hollowball
5	Stem	Brass
6	Stem Padding	PTFE
7	Padding Nut	Brass
8	Lever Handle	Nickel plating steel
9	Stem Nut	Brass plating steel
10	Seal	PTFE



PART#	SIZE	DIMENSIONS								WEIGHT	BOX/ CASE	
		A	B	C	D	E	F	G	H			
940171LF	1/4"	1.756	1.732	3.543	0.394	0.457	1.012	2.238	4.421	0.34	70/140	----
940172LF	3/8"	1.756	1.732	3.543	0.394	0.457	1.012	2.238	4.421	0.34	70/140	----
940173LF	1/2"	2.047	2.040	3.543	0.583	0.520	1.240	2.559	4.567	0.45	50/100	----
940174LF	3/4"	2.362	2.260	3.780	0.748	0.563	1.492	2.854	4.961	0.69	30/60	----
940175LF	1"	2.756	2.579	4.528	0.945	0.630	1.791	3.476	5.906	1.11	20/40	----
940176LF	1-1/4"	3.307	3.050	4.528	1.260	0.709	2.343	4.134	6.181	1.85	12/24	----
940177LF	1-1/2"	3.661	3.366	5.420	1.575	0.717	2.835	4.783	7.343	2.60	9/18	----
940178LF	2"	4.181	3.701	5.42	1.969	0.748	3.425	5.413	7.602	3.62	6/12	----
940179LF	2-1/2"	4.181	4.650	8.870	2.520	1.024	4.331	6.969	11.350	7.93	3/6	----
940180LF	3"	6.039	4.970	8.870	2.913	1.102	4.921	7.579	11.681	10.40	1/4	----
940181LF	4"	7.386	6.130	10.85	3.898	1.220	6.430	9.055	13.299	20.99	1/2	----

SWT X SWT LEAD FREE BALL VALVE

FM, cUPC, NSF/ ANSI 61 & 372

PART #	SWT	A	B	C	D	E	F	WEIGHT	BOX/CASE	
943612LF	1/2"	2.047	1.839	3.543	0.583	0.512	0.630	0.45	50/100	----
943613LF	3/4"	2.748	2.14	3.780	0.748	0.748	0.878	0.68	30/60	----
943614LF	1"	3.228	2.449	4.528	0.945	0.906	1.130	1.08	20/40	----
943615LF	1-1/4"	3.819	3.04	4.36	1.260	0.972	1.378	1.80	12/24	----
943616LF	1-1/2"	4.425	3.169	5.39	1.575	1.088	1.630	2.51	9/18	----
943617LF	2"	5.377	3.488	6.307	1.989	1.346	2.130	3.57	6/12	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

ITALIAN LEAD FREE BRASS BALL VALVE



CSA AGA 3.88 5 PSIG



UL842, UL258, UL125,FM

ISO 9002 Manufacturer FEATURES

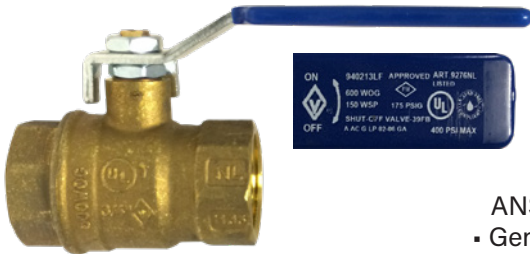
600 PSI non-shock cold water, gas, oil - 150 PSI saturated steam

IAMPO IGC 157 - 2004b

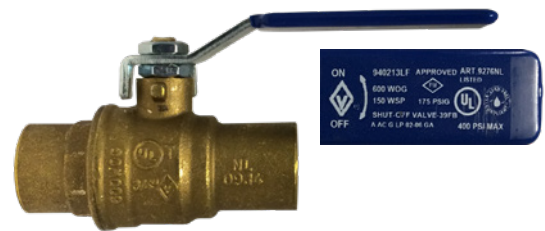
- **SOLID CHROME PLATED BRASS BALL**
- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated at 600psi (42 bars) WOG (non-shock) and 150 WSP (10.34 bars) saturated steam. Virgin TFE stem packing seal, thrust washer and seats.
- Blue vinyl insulator on heavy duty plated carbon steel handles.
- Fast 1/4 turn open or close operation
- Low operating torque
- Flow can go both directions

- Adjustable stem packing gland
- Maximum operating temperature: 248°F (120° C) at 600 PSI
- Minimum operating temperature: -20°F (-40°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections

MADE IN ITALY



FIP X FIP



SWT X SWT

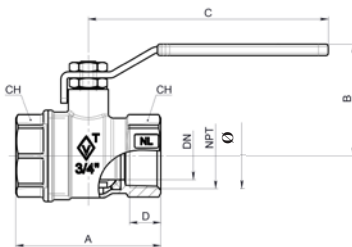
ANSI/INSE 61-8
• Generic Handles

FIP X FIP LEAD FREE FORGED BRASS BALL VALVE

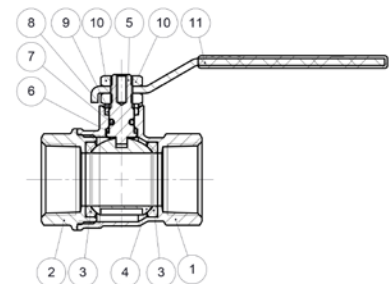
PART #	NPT	DN	A	B	C	D	CH	WEIGHT (LBS)	BOX/CASE	
943233LF	1/2"	0.57	2.09	1.57	3.35	0.46	0.98	0.39	20/80	----
943234LF	3/4"	0.75	2.28	1.77	3.80	0.49	1.22	0.56	14/56	----
943235LF	1"	0.94	3.04	2.03	3.80	0.59	1.50	0.89	6/24	----
943236LF	1-1/4"	1.24	3.23	2.32	4.72	0.62	1.85	1.44	4/16	----
943237LF	1-1/2"	1.49	3.70	2.60	4.72	0.64	2.13	2.19	2/8	----

SWT X SWT LEAD FREE FORGED BRASS BALL VALVE

PART #	SWT	Ø	DN	A	B	C	D	CH	WEIGHT (LBS)	BOX/CASE	
940212LF	1/2"	0.63	0.57	2.40	1.57	3.35	0.42	0.79	0.35	20/80	----
940213LF	3/4"	0.866	0.75	3.26	1.77	3.80	0.61	1.06	0.55	10/40	----
940214LF	1"	1.102	0.94	3.68	2.03	3.80	0.73	1.34	0.87	6/24	----
940215LF	1-1/4"	1.377	1.24	4.23	2.32	4.72	0.91	1.61	1.41	6/24	----
940216LF	1-1/2"	1.61	1.49	4.96	2.60	4.72	1.06	1.89	2.08	2/8	----
940217LF	2"	2.125	1.96	5.86	3.27	6.38	1.26	2.40	3.62	1/4	----



POS	Components	Materials
1	Body	CW510L
2	End Connection	CW510L
3	Ball Seal	PTFE
4	Seal	CW510L
5	Stem	CW614N
6	Lower Stem	PTFE
7	O-Ring	NBR70sh
8	Upper Seal	PTFE
9	Brass Ring	CW614N
10	Nut	Steel
11	Handle	Steel P10



PRESS BALL VALVE

LF VALVES & PLBG FITTINGS

LEAD FREE COPPER PRESS BALL VALVE

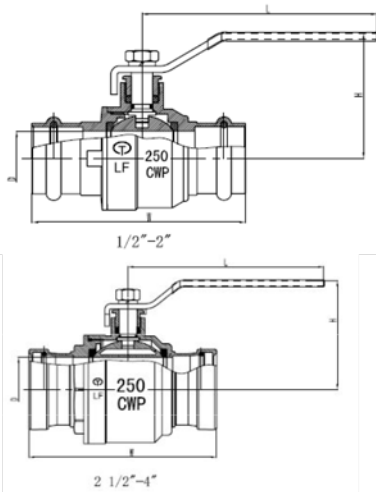
Midland Series "9404LF" 2-Piece, Full Port, Lead Free, Copper, Press Ball Valves are designed for use in flameless, copper press piping systems. Midland Copper Press Ball Valves feature a lead free brass body, adjustable packing gland and blowout proof stem with stem a single O-ring seal. Our press ball valves come with integral ASTM-B88 compliant press end connections that can be used with type K, L, M, hard copper tubing 1/2 in. - 4 in. Utilizing industry standard tools.

Midland Press Ball Valve Features

- Lead Free construction.
- Available Sizes: 1/2 in. - 4 in.
- Integral press end connections designed for hard and soft copper tubing
- ISO-9001
- 250 WOG - 250 CWP (2-1/2" - 4")
- Full Port Stainless Steel ball
- One O-Ring design
- Blow Out Proof Stem
- UPC & NSF-61 Compliant
- AB1953 & NSF-372 Compliant



Midland Copper Press Ball Valves are a heat-free method for joining copper tubes. Our press valve allows installers the confidence to know the joint is secure due to our leak-detection o-ring. During low pressure testing, if the joint is not pressed properly, the specialized o-ring will leak. This allows the installer to correct the press before the system is operational at higher pressures.



Part Name	Material
Body	Lead Free Brass
Seat	PTFE
Ball	Stainless Steel
Stem O-Ring	NBR
Packing Nut	Brass
Stem	Brass (1/2"-2")
	Stainless Steel(2-1/2"-4")
Lock Nut	Ferrum /Zinc Plated
Lock Washer	Ferrum /Zinc Plated
Packing	PTFE
Handle	Ferrum /Chrome Plated
Cap	Lead Free Brass
Body O-Ring	NBR
Press O-Ring	EPDM

PART	SIZE	D	L	H	W	CV	
940403LF	1/2"	0.591	3.46	1.81	3.15	18.55	----
940404LF	3/4"	0.748	4.29	2.09	3.60	29.76	----
940405LF	1"	0.984	4.29	2.25	3.92	51.55	----
940406LF	1-1/4"	1.259	5.63	2.52	4.41	84.42	----
940407LF	1 1/2"	1.574	5.63	2.74	5.35	131.93	----
940408LF	2 "	1.941	5.63	3.03	6.79	200.35	----
940409LF	2 1/2"	2.520	7.76	4.25	7.46	338.43	----
940410LF	3 "	2.874	8.19	4.58	8.17	445.44	----
940411LF	4"	3.839	9.25	5.49	9.88	783.88	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

PEX BALL VALVES - LEAD FREE

LF VALVES & PLBG FITTINGS

C/E PEX & PEX BALL VALVES LEAD FREE



CUPC, AB 1953, NSF/ANSI 61, NSF/ANSI 372 (ANNEX G) NSF-14

- 400 WOG
- FORGED LEAD FREE BRASS BODY
- SS BALL

UNION PEX VALVE
C/E PEX X C/E PEX



- Cold Expansion
- Conforms to ASTM F1960

PART	SIZE	
945611LF	1/2"	----
945612LF	3/4"	----
945613LF	1"	----
945614LF	1-1/4"	----
945615LF	1 1/2"	----
945616LF	2"	----

PEX VALVE WITH DROP EAR AND DRAIN
C/E PEX X C/E PEX

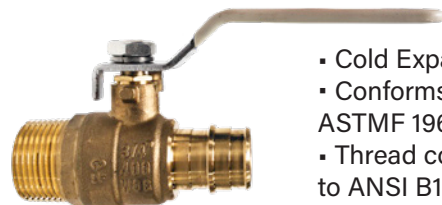
WITH DRAIN AND DROP EAR



- Cold Expansion
- Conforms to ASTM F1960

PART	SIZE	
945621LF	1/2"	----
945622LF	3/4"	----
945623LF	1"	----

MALE ADAPTER PEX VALVE
MALE PIPE X C/E PEX



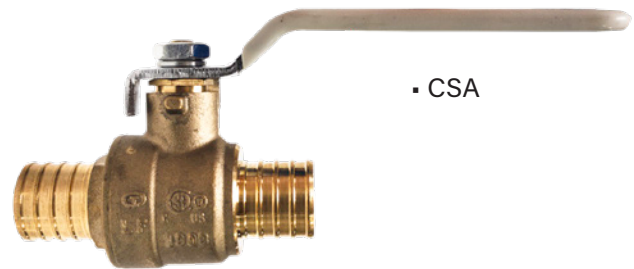
- Cold Expansion
- Conforms to ASTM F1960
- Thread conforms to ANSI B1.20.1

PART	SIZE	
945631LF	1/2"	----
945632LF	3/4"	----
945633LF	1"	----

- Dezincification resistant (D2B) Lead Free Brass material
- Cold expansion pex ends conform to ASTM F1960
- Blow out proof stem design

PEX X PEX

PEX ENDS CONFORM TO ASTM F1807



- CSA

PART	SIZE	
945601LF	1/2"	----
945602LF	3/4"	----
945603LF	1"	----
945604LF	1-1/4"	----
945605LF	1-1/2"	----
945606LF	2"	----

W/TEE HANDLE

PART	SIZE	
945640LF	3/4"	----

PEX DRAIN VALVE



- Conforms to ASTM F1807

PART	SIZE	
945650LF	1/2"	----
945651LF	3/4"	----
945652LF	1"	----

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LEAD FREE VALVES AND PLUMBING

LEAD FREE VALVES
LF VALVES & PLBG FITTINGS

LEAD FREE, FULL PORT BRASS BALL VALVES PUSH-FITTING END

FEATURES

- dezincification resistant (DZR) Lead Free Brass Material
- Push-fitting conform ASSE 1061
- Forged Brass Body
- BLow Out Proof Stem Design
- Packing Nut & Packing On the Stem Seal
- Stainless Steel Ball
- Handle with Vinyl Grip

PERFORMANCE RATING

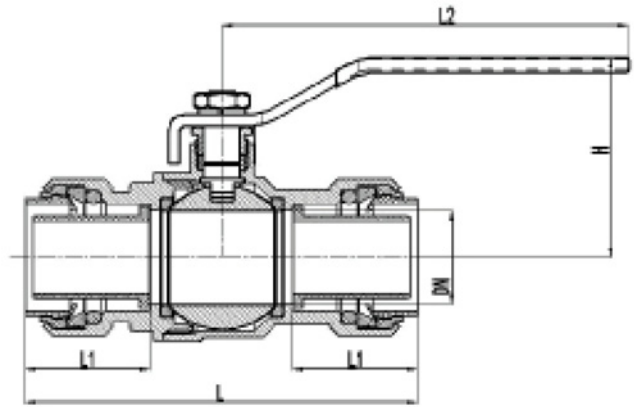
- 200 psi (CWP) 150 psi (WSP) Service
- Temperature Range: -20° F to 300° F



PUSH FIT VALVES

PART NO.	SIZE	DN	L	L1	L2	H	CV	WT(LBS.)	LIST
943750LF	1/2"	0.524	3.15	0.91	3.46	1.73	14.56		
943751LF	3/4"	0.748	3.55	1.10	3.46	1.89	29.76		
943752LF	1"	0.984	4.14	1.32	4.29	2.14	51.55		

PART NAME	MATERIAL
Body	Lead Free Brass
Seat	PTFE
Ball	Stainless Steel
Packing Nut	Brass
Stem	Brass
Lock Nut	Ferrum/Zinc Plated
Lock Washer	Ferrum/Zinc Plated
Packing	PTFE
Handle	Ferrum/Chrome Plated
Cap	Lead Free Brass
O-Ring	EPDM
Seat Ring	POM
Gripper Ring	Stainless Steel
Push Ring	POM
Lock Ring	POM
Liner	PSF



WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

LEAD FREE GATE/ CHECK/ Y VALVES

LF VALVES & PLBG FITTINGS

BRASS GATE VALVE IPS

- 200 WOG (Cold water, oil, gas)
- 125 WSP (Saturated Steam)
- Brass Forged body/bonList- stronger than sand castings.
- Superior quality and finish.
- Each valve individually tested.
- Threaded ends to ANSI B1.20.1, Solder ends to ANSI B16.18
- Non rising stem.
- Cast iron handle.
- NSF Approved



BRASS GATE VALVE IPS

PART#	SIZE	
940130LF	1/4	----
940131LF	3/8	----
940132LF	1/2	----
940133LF	3/4	----
940134LF	1	----
940135LF	1-1/4	----
940136LF	1-1/2	----
940137LF	2	----

BRASS GATE VALVE C X C



PART#	SIZE	
940142LF	1/2"	----
940143LF	3/4"	----
940144LF	1"	----
940145LF	1-1/4"	----
940146LF	1-1/2"	----
940147LF	2"	----

BRASS CHECK VALVE

NO	Part	Material
1	Cap	C37700
2	Gasket	NBR
3	Spring	Stainless Steel
4	Positioning Seat	BRASS
5	Screw	BRASS
6	Body	C37700

- NSF Approved
- ANSI 61-4



LEAD-FREE

PART #	SIZE	
944430LF	1/2	----
944431LF	3/4	----
944432LF	1	----
944433LF	1-1/4	----
944434LF	1-1/2	----
944435LF	2	----
944436LF	2½	----
944437LF	3	----
944438LF	4	----

CAST BRASS SWING CHECK VALVE IPS SCREWED ENDS

- Working pressure non-shock: 200 psi W.O.G. (cold water, oil, gas) 125 psi WSP (saturated steam)
- Swing type disc.
- Screwed Cap.
- Hard Seat.
- 90° Straight Pattern.
- Used to prevent reverse flow in commercial and industrial applications.
- Threaded ends to ANSI B1.20.1. Solder ends ANSI 61-8
- Integral seat.
- NSF Approved



PART #	SIZE	
940352LF	1/2"	----
940353LF	3/4"	----
940354LF	1"	----
940355LF	1-1/4"	----
940356LF	1-1/2"	----
940357LF	2"	----
940358LF	2½"	----
940359LF	3"	----
940360LF	4"	----

C X C SWING CHECK VALVE



PART #	SIZE	
940362LF	1/2	----
940363LF	3/4	----
940364LF	1	----
940365LF	1-1/4	----
940366LF	1-1/2	----
940367LF	2	----

CLASS 150 BRASS Y-PATTERN STRAINER



LEAD-FREE

PART#	SIZE	
940523LF	1/2"	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



LOW PRESSURE LF BRASS VALVES

LF VALVES & PLBG FITTINGS

LF BRASS FROST FREE SILLCOCK VALVES/ ANTI SIPHON



PART#	SIZE	D	H	L	
	1/2" MIP & 1/2" SWEAT X 3/4" MHT X				
942150LF	6"	2.20	8.64	3.07	
942151LF	8"	2.20	12.66	3.07	
942152LF	12"	2.20	16.71	3.07	

NO	PARTS	MATERIALS	QTY	WATER CONTACT
1	Bolt	Forged Brass	1	N
2	Name Plate	Aluminium	1	N
3	Handle	Aluminium	1	N
4	Bonnet	Brass Rod	1	N
5	Washer	Stainless Steel	1	N
6	Packing	Rubber (NBR)	1	Y
7	Washer	Stainless Steel	1	Y
8	Pipe	Brass (Copper)	1	Y
9	Stem	Brass Rod	1	Y
10	Spring	Stainless Steel	1	Y
11	O-Ring	Rubber (NBR)	1	Y
12	Spring Seat	Brass Rod	1	Y
13	Flapper	Rubber (NBR)	1	Y
14	Seat	Forged Brass	1	Y
15	Seat Packing	Rubber (NBR)	1	Y
16	Screw	Forged Brass	1	Y
17	Body	Cast Brass	1	Y
18	Pipe	Brass (Copper)	1	Y
19	Nipple	Brass Rod	1	Y
20	Packing	Pom M90	1	N
21	Floating	Pom M90	1	Y
22	Floating Pk	Rubber (NBR)	1	Y
23	O-Ring	Rubber (NBR)	1	Y
24	Packing	Pom M90	1	Y
25	Cap	Brass Rod	1	Y

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov





LOW PRESSURE LF BRASS VALVES

LF VALVES & PLBG FITTINGS

BRASS HOSE BIBB NO KINK VALVES HEAVY DUTY



NO	PARTS	MATERIALS	QTY	WATER CONTACT
1	Bolt	Hot Rolled	1	N
2	Handle	Zinc	1	N
3	Packing Nut	Brass Rod	1	N
4	Packing	Teflon Polyflon	1	Y
5	Bonnet	Brass Rod	1	Y
6	Packing	Nylon	1	Y
7	Stem	Brass Rod	1	Y
8	Seat Packing	Rubber (NBR)	1	Y
9	Screw	Forged Brass	1	Y
10	Body	Cast Brass	1	Y

PART#	NOMINAL SIZE	D	H	L	MIP	LIST
942110LF	1/2" MIP & 1/2" Sweat x 3/4" MHT	2.12	1.97	2.87	1/2"-14NPT	
942111LF	3/4" MIP x 3/4" MHT	2.12	1.97	2.97	3/4"-14NPT	



BRASS HOSE BIBB NO KINK VALVES HEAVY DUTY



NO	PARTS	MATERIALS	QTY	WATER CONTACT
1	Bolt	Hot Rolled	1	N
2	Handle	Zinc	1	N
3	Packing Nut	Brass Rod	1	N
4	Packing	Teflon Polyflon	1	Y
5	Bonnet	Brass Rod	1	Y
6	Packing	Nylon	1	Y
7	Stem	Brass Rod	1	Y
8	Seat Packing	Rubber (NBR)	1	Y
9	Screw	Forged Brass	1	Y
10	Body	Cast Brass	1	Y

PART#	NOMINAL SIZE	D	H	L	MIP
942112LF	1/2" FIP x 3/4" MHT	2.12	1.97	2.87	1/2"-14NPT
942113LF	3/4" FIP x 3/4" MHT	2.12	1.97	2.97	3/4"-14NPT

BRASS HOSE BIBB NO KINK VALVES HEAVY DUTY



NO	PARTS	MATERIALS	QTY	WATER CONTACT
1	Bolt	Hot Rolled	1	N
2	Handle	Zinc	1	N
3	Packing Nut	Brass Rod	1	N
4	Packing	Teflon Polyflon	1	Y
5	Bonnet	Brass Rod	1	Y
6	Packing	Nylon	1	Y
7	Stem	Brass Rod	1	Y
8	Seat Packing	Rubber (NBR)	1	Y
9	Screw	Forged Brass	1	Y
10	Body	Cast Brass	1	Y

PART#	NOMINAL SIZE	D	H	L
942123LF	3/4" FTG & 1/2" SWEAT x 3/4" MHT	2.12	1.97	2.87

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



LOW PRESSURE LF BRASS VALVES

LF VALVES & PLBG FITTINGS

LF BRASS BOILER DRAIN



PART#	NOMINAL SIZE	D	H	L	FIP
942132LF	1/2" FIP x 3/4" MHT	2.08	3.35	1.46	1/2"-14NPT
942133LF	3/4" FIP x 3/4" MHT	2.08	3.35	1.46	3/4"-14NPT

NO	PARTS	MATERIALS	QTY	WATER CONTACT
1	Bolt	Hot Rolled	1	N
2	Name Plate	Aluminium	1	N
3	Handle	Zinc	1	N
4	Packing Nut	Brass Rod	1	N
5	Packing	Teflon Polyflon	1	Y
6	Bonnet	Brass Rod	1	Y
7	Packing	Nylon	1	Y
8	Stem	Brass Rod	1	Y
9	Seat Packing	Rubber (NBR)	1	Y
10	Screw	Forged Brass	1	Y
11	Body	Cast Brass	1	Y

LF BOILER DRAIN



PART#	NOMINAL SIZE	D	H	L	MIP
942134LF	1/2"MIP & 1/2" SWEAT X 3/4" MHT	2.08	3.50	1.46	1/2"-14NPT
942135LF	3/4" FIP x 3/4" MHT	2.08	3.58	1.46	3/4"-14NPT

NO	PARTS	MATERIALS	QTY	WATER CONTACT
1	Nut	Hot Rolled	1	N
2	Name Plate	Aluminium	1	N
3	Handle	Cast Iron	1	N
4	Packing Nut	Brass Rod	1	N
5	Packing	Rubber (NBR)	1	Y
6	Bonnet	Cast Brass	1	Y
7	Stem	Cast Brass	1	Y
8	Seat Packing	Rubber (NBR)	1	Y
9	Screw	Forged Brass	1	Y
10	Body	Cast Brass	1	Y

LF BRASS BOILER DRAIN ANGLE SPOUT



PART#	NOMINAL SIZE	D	H	L	MIP
942162LF	1/2" MIP & 1/2" Sweat x 3/4" MHT	2.12	2.16	1.14	1/2"-14NPT
942163LF	3/4" MIP x 3/4" MHT	2.12	2.16	1.14	3/4"-14NPT

NO	PARTS	MATERIALS	QTY	WATER CONTACT
1	Nut	Hot Rolled	1	N
2	Name Plate	Aluminium	1	N
3	Handle	Cast Iron	1	N
4	Packing Nut	Brass Rod	1	N
5	Packing	Rubber (NBR)	1	Y
6	Bonnet	Cast Brass	1	Y
7	Stem	Cast Brass	1	Y
8	Seat Packing	Rubber (NBR)	1	Y
9	Screw	Forged Brass	1	Y
10	Body	Cast Brass	1	Y

LF BRASS BOILER DRAIN ANGLE SPOUT



PART#	NOMINAL SIZE	D	H	L	FIP
942164LF	1/2" FIP X 3/4" MHT	2.12	2.16	1.14	1/2"-14NPT
942165LF	3/4" FIPT X 3/4" MHT	2.12	2.16	1.14	3/4"-14NPT

NO	PARTS	MATERIALS	QTY	WATER CONTACT
1	Bolt	Hot Rolled	1	N
2	Name Plate	Aluminium	1	N
3	Handle	Zinc	1	N
4	Packing Nut	Brass Rod	1	N
5	Packing	Teflon Polyflon	1	Y
6	Bonnet	Brass Rod	1	Y
7	Packing	Nylon	1	Y
8	Stem	Brass Rod	1	Y
9	Seat Packing	Rubber (NBR)	1	Y
10	Screw	Forged Brass	1	Y
11	Body	Cast Brass	1	Y

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LOW PRESSURE LF BRASS VALVES

LF VALVES & PLBG FITTINGS

LF SILLCOCK VALVE WITH PEX CONNECTIONS



NO	PARTS	MATERIALS	QTY	WATER CONTACT
1	Nut	Hot Rolled	1	N
2	Name Plate	Aluminium	1	N
3	Handle	Cast Iron	1	N
4	Packing Nut	Brass Rod	1	N
5	Packing	Rubber (NBR)	1	Y
6	Bonnet	Cast Brass	1	Y
7	Stem	Cast Brass	1	Y
8	Seat Packing	Rubber (NBR)	1	Y
9	Screw	Forged Brass	1	Y
10	Body	Cast Brass	1	Y

PART#	NOMINAL SIZE	B	C	D	H	L
942142LF	1/2" PEX F1807 x 3/4" MHT	2.58	0.22	2.09	2.40	2.34
942143LF	3/4" PEX F1807 x 3/4" MHT	2.58	0.22	2.09	2.40	2.40

LF SILLCOCK VALVE WITH PEX CONNECTIONS (COLD EXPANSION)



NO	PARTS	MATERIALS	QTY	WATER CONTACT
1	Nut	Hot Rolled	1	N
2	Name Plate	Aluminium	1	N
3	Handle	Cast Iron	1	N
4	Packing Nut	Brass Rod	1	N
5	Packing	Rubber (NBR)	1	Y
6	Bonnet	Cast Brass	1	Y
7	Stem	Cast Brass	1	Y
8	Seat Packing	Rubber (NBR)	1	Y
9	Screw	Forged Brass	1	Y
10	Body	Cast Brass	1	Y

PART#	NOMINAL SIZE	B	C	D	H	L
942144LF	1/2" PEX F1960 x 3/4" MHT	2.58	0.22	2.08	2.40	2.34
942145LF	3/4" PEX F1960 x 3/4" MHT	2.58	0.22	2.08	2.40	2.40

VACUUM BREAKER



- Male hose and female hose threads can be broken off for permanent attachment
- Set screw
- Vandal proof
- Rough brass construction
- Prevents back-siphonage on hoses to prevent potable water from getting contaminated
- Certified under ASSE Std. 1011
- UPC
- CSA

PART #	SIZE	
947055	3/4" x 3/4"	----
947055LF	3/4" x 3/4"	----

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LEAD FREE VALVES AND PLUMBING

SUPPLY STOPS/ SS SUPPLY CONNECTORS

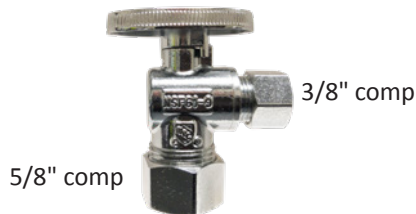
LF VALVES & PLBG FITTINGS

SUPPLY STOPS - 1/4 TURN

- 100% Pressure Leak Tested
- High Performance Teflon Seats
- Individually Boxed
- Conventional Oval Handle Design
- Meets or Exceeds ASME A112.18.1



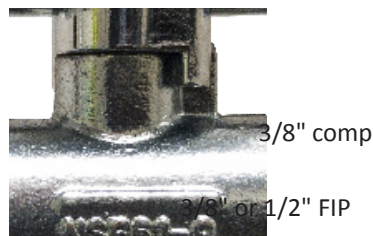
ANGLE STOPS



PART #	X 3/8 COMPRESSION	
746456	5/8 Compression	----



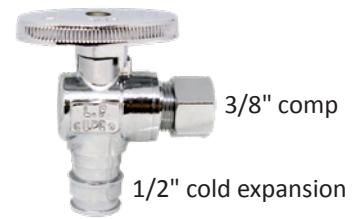
PART #	X 3/8 COMPRESSION	
746457	5/8 Compression Contractor Pack bagged less 3/8" Nut & Ferrule 10/Box	----



PART #	X 3/8 COMPRESSION	
746436	3/8 Female Iron Pipe	----
746446	1/2 Female Iron Pipe	----



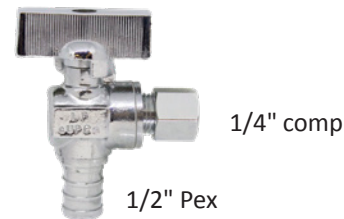
PART #	X 3/8 COMPRESSION	
746466	LF 1/2 Nominal Sweat	----



PART #	X 3/8 COMPRESSION	
746435	1/2 C/E Pex	----



PART #	X 3/8 COMPRESSION	
746438	1/2 Nominal Pex	----



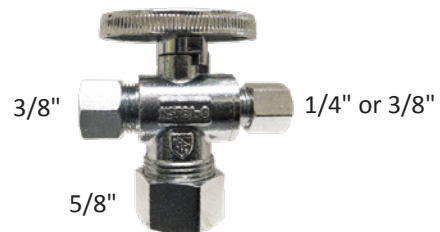
PART #	X 1/4 COMPRESSION	
746437	1/2 Nominal Pex	----

PRESS FIT



PART #	X 3/8 COMPRESSION	
746470	1/2 Press	----

3 WAY STOPS



PART #	DESCRIPTION	
746439	LF 5/8 Compression x 3/8 Compression x 1/4 Compression	----
746440	LF 5/8 Compression x 3/8 Compression x 3/8 Compression	----

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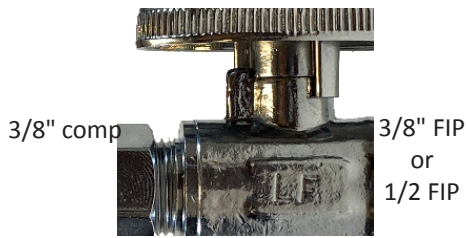
SUPPLY STOPS/ SS SUPPLY CONNECTORS

LF VALVES & PLBG FITTINGS

STRAIGHT STOPS



PART #	X 3/8 COMPRESSION	
746506	3/8 Compression	----
746556	5/8 Compression	----



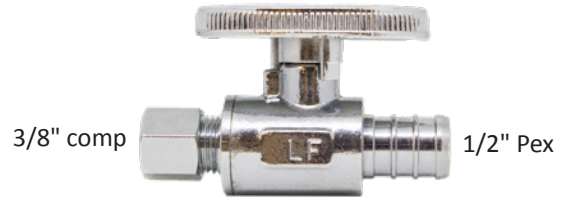
PART #	X 3/8 COMPRESSION	
746536	3/8 Female Iron Pipe	----
746546	1/2 Female Iron Pipe	----



PART #	X 3/8 COMPRESSION	
746566	1/2 Nominal Sweat	----



PART #	X 3/8 COMPRESSION	
746535	1/2 C/E Pex	----



PART #	X 3/8 COMPRESSION	
746538	1/2 Nominal Pex	----



PART #	X 1/4 COMPRESSION	
746537	1/2 Nominal Pex	----



PART #	X 3/8 COMPRESSION	
746567	1/2 Socket CPVC	----

PRESS FIT STOPS



PART #	X 3/8 COMPRESSION	
746570	1/2" Press	----

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LEAD FREE VALVES AND PLUMBING

SS SUPPLY CONNECTORS

LF VALVES & PLBG FITTINGS

LEAD FREE

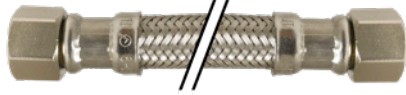
AB1953/S.152
COMPLIANT

Meets S.3874/ Public Law No. 111-380
Reduction of Lead in Drinking Water Act

CONNECTORS

- Marine Grade Stainless Steel Braid
- Precision 12 Point Crimp
- Heavy duty Brass Inserts
- Chloramine/ Chlorine Resistant Inner Liner

LAVATORY

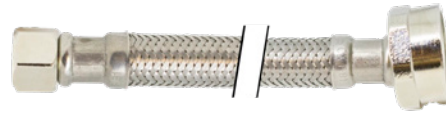


3/8 COMPRESSION X 3/8 COMPRESSION

PART #	LENGTH	
922012	12"	----
922016	16"	----
922020	20"	----
922030	30"	----
922036	36"	----

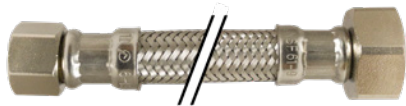
NEW WITH BRASS NUT

BALLCOCK



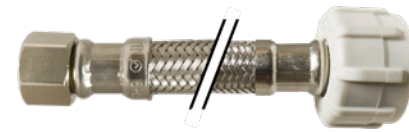
3/8 COMPRESSION X 7/8 BALLCOCK

923409	9"	----
923412	12"	----
923416	16"	----
923420	20"	----



3/8 COMPRESSION X 1/2 FEMALE IRON PIPE

922112	12"	----
922116	16"	----
922120	20"	----
922130	30"	----
922136	36"	----



3/8 COMPRESSION X 7/8 BALLCOCK

923209	9"	----
923212	12"	----
923216	16"	----
923220	20"	----



1/2 FEMALE IRON PIPE X 1/2 FEMALE IRON PIPE

922412	12"	----
922416	16"	----
922420	20"	----
922430	30"	----
922436	36"	----



1/2 FEMALE IRON PIPE X 7/8 BALLCOCK

923509	9"	----
923512	16"	----
923520	20"	----

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SS SUPPLY CONNECTORS

LF VALVES & PLBG FITTINGS

- Marine Grade Stainless Steel Braid
- Precision 12 Point Crimp
- Heavy duty Brass Inserts
- Chloramine/ Chlorine Resistant Inner Liner

LEAD FREE

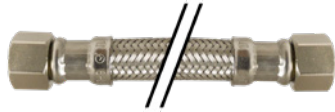
AB1953/S.152

Compliant

Meets S.3874/ Public Law No. 111-380
Reduction of Lead in Drinking Water

Act

ICE MAKER



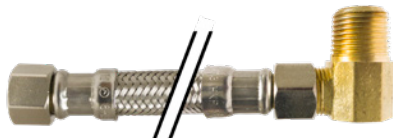
1/4 COMPRESSION X 1/4 COMPRESSION

PART #	LENGTH	
923112	12"	----
923124	24"	----
923136	36"	
923148	48"	
923161	60"	
923196	96"	----

DISHWASHER

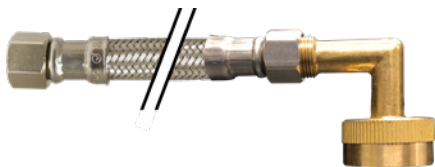
3/8 COMPRESSION X 3/8 COMPRESSION

922009	9"	
922012	12"	
922024	24"	
922030	30"	
922036	36"	
922048	48"	----
922060	60"	----
922072	72"	----
922096	96"	----



3/8 COMPRESSION X 3/8 MALE IRON PIPE ELBOW

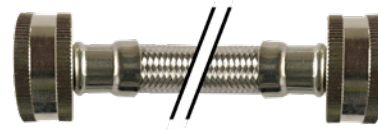
PART #	L	
923648	48"	----
923660	60"	----
923672	72"	----
923684	84"	----



3/8 COMPRESSION X 3/4 FEMALE GARDEN HOSE ELBOW

924248	48"	----
924260	60"	----
924272	72"	----
924284	84"	----
924297	120"	----

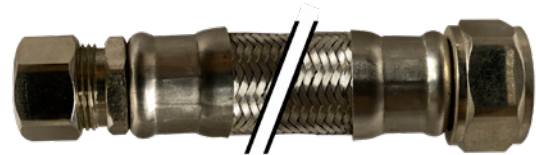
WASHING MACHINE



3/4 FEMALE GARDEN HOSE X 3/4 FEMALE GARDEN HOSE

923936	36"	----
923948	48"	----
923960	60"	----
923972	72"	----

WATER HEATER



5/8 COMPRESSION X 3/4 FEMALE IRON PIPE

PART #	L	
922712	12"	----
922718	18"	----
922724	24"	----

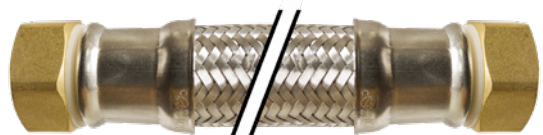


7/8 COMPRESSION X 3/4 FEMALE IRON PIPE

922812	12"	----
922818	18"	----
922824	24"	----

3/4 MALE IRON PIPE X 3/4 FEMALE IRON PIPE

922912	12"	----
922918	18"	----
922924	24"	----



3/4 FEMALE IRON PIPE X 3/4 FEMALE IRON PIPE

924115	12"	----
924118	18"	----
924124	24"	----

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LEAD FREE VALVES AND PLUMBING

TRANSITION FITTINGS

LF VALVES & PLBG FITTINGS

BRASS CPVC MALE ADAPTER



PART#	SIZE
35413LF	1/2"
35414LF	3/4"
35415LF	1"
35416LF	1-1/4"
35417LF	1-1/2"
35418LF	2

STAINLESS STEEL CPVC MALE ADAPTER



PART#	SIZE
35413SS	1/2"
35414SS	3/4"
35415SS	1"
35416SS	1-1/4"
35417SS	1-1/2"
35418SS	2

BRASS CPVC FEMALE ADAPTER



PART#	SIZE
35403LF	1/2"
35404LF	3/4"
35405LF	1"
35406LF	1-1/4"
35407LF	1-1/2"
35408LF	2

STAINLESS STEEL CPVC FEMALE ADAPTER



PART#	SIZE
35403SS	1/2"
35404SS	3/4"
35405SS	1"
35406SS	1-1/4"
35407SS	1-1/2"
35408SS	2

LEAD FREE CPVC DROP EAR ELBOW



PART#	SIZE
35420LF	1/2"

STAINLESS STEEL CPVC DROP EAR ELBOW



PART#	SIZE
35420SS	1/2"

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

WATER METER FLANGES

LF VALVES & PLBG FITTINGS

LEAD FREE OVAL WATER METER FLANGE OVAL



PART#	SIZE	CASE	
970207	1-1/2"	32	----
970208	2"	48	----

LEAD FREE OVAL WATER METER KIT

W/ BOLT & NUT STAINLESS STEEL



NO	PART	MATERIALS	QTY	WATER CONTACT
1	BOLT	SS 304	4	N
2	FLANGE	BRASS LEAD FREE	2	Y
3	PACKING	RUBBER	2	Y

PART#	SIZE	CASE	
970227	1-1/2"	32	----
970228	2"	48	----

LEAD FREE OVAL METER FLANGE KIT

W/ BOLT & NUT STAINLESS STEEL (NO LEAD)



NO	PART	MATERIALS	QTY	WATER CONTACT
1	BOLT	SS 304	2	N
2	FLANGE	BRASS LEAD FREE	1	Y
3	PACKING	RUBBER	1	Y
4	NUT	SS 304	2	N

PART#	SIZE	CASE	
970217	1-1/2"	12	----
970218	2"	10	----

LEAD FREE BRASS METER COUPLING



PART#	SIZE	CASE	
970253	1/2"	100	----
970254	3/4"	100	----
970255	1"	80	----
970257	1-1/2"	24	----
970258	2"	24	----

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LEAD FREE VALVES AND PLUMBING

FLEXIBLE RUBBER COUPLINGS

LF VALVES & PLBG FITTINGS

FLEXIBLE RUBBER COUPLINGS / REDUCED COUPLINGS

Midland's stainless steel banded flexible rubber couplings are the perfect fit for Schedule 40 pipe applications.

Tech Specs:

- Installation torque: 60 inch lbs.
- Maximum test pressure: 4.3 PSI
- Maximum operating temperature: 140° F non-consistent
- Minimum operating temperature: -30° F

- Corrosion-resistant & rustproof stainless steel bands
- Durable Rubber for all Sch. 40 Pipe Applications
- Positive seal against infiltration and exfiltration
- Conforms to ASTM C 1173 and CSA B602
- Sizes 1-1/4" - 6" regular & reducing
- UPC Approved

COUPLING



REDUCING COUPLING



PART #	SIZE	LIST
195456	1-1/4"	
195470	1-1/2" x 1-1/4"	
195457	1-1/2"	
195471	2" x 1/2"	
195458	2"	
195472	3" x 1-1/2"	
195473	3" x 2"	
195459	3"	
195474	4" x 1-1/2"	
195475	4" x 2"	
195476	4" x 3"	
195460	4"	
195461	5"	
195481	6" x 4"	
195462	6"	

TEST CAPS



DRAIN & TRAP CONNECTORS



PART #	SIZE	LIST
195502	1-1/2"	
195510	2"	
195511	3"	
195512	4"	

PART #	SIZE	LIST
195520	1-1/2" x 1-1/4"	
195521	2" x 1-1/4"	

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VALVES



VALVES

Forged Brass

- Full Port Ball
- Locking Handle
- Butterfly Handle
- N/P Ball Valve
- Italian Ball Valve
- M X F Ball Valve
- Spring Handle Ball Valve
- Right Angle Ball valve
- Wye, 3-Way Ball Valve
- Safety Exhaust Ball Valve
- Gas Valves
- Mini Ball Valves
- 3-Way Valves
- MISC
- Gate Valves
- Y Strainer
- Check Valves

Stainless Steel Valves

- Ball Valves
- SS Mini Ball Valve
- Check Valves
- Y-strainer, Globe, Gate

Carbon Steel Valves

- Ball Valves
- Check Valves

PVC Valves

Ductile Iron

- Butterfly
- Check
- Gate



BALL VALVE PRIVATE LABEL PROGRAM

Midland will put your company name and logo on our ball valve handle for FREE. Simply place a minimum blanket order of 10 cases per size and Midland will stock them under a special part # for your access only. Please allow 90-120 days for delivery on the first shipment only: Then have them delivered as you need them!

FORGED BRASS BALL VALVE

VALVES

FORGED BRASS BALL VALVE

• BRASS • 600WOG • FULL PORT

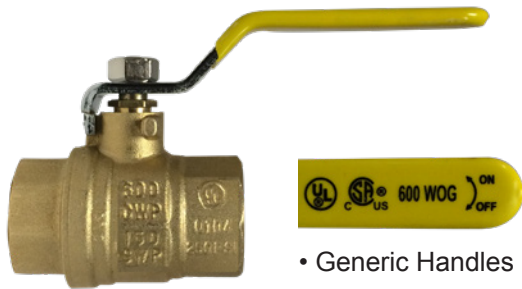
**ISO 9002 Manufacturer FEATURES**

Made in China

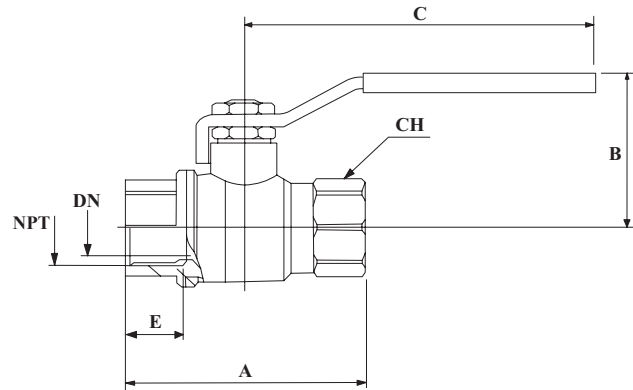
1/4"-2" 600 PSI non-shock cold water,
gas, oil - 150 PSI saturated steam
2-1/2"- 4" 400 PSI non-shock cold water,
gas, oil

- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated for 1/4"-2" at 600psi (42 bars) and 2-1/2"-4" at 400 psi WOG (non-shock) and 150 WSP (10.34 bars) saturated steam. Virgin PTFE stem packing seal, thrust washer and seats
- Yellow vinyl insulator on heavy duty plated carbon steel handles
- Fast 1/4 turn open or close operation
- Not Lead Free
- Good for gasoline and diesel

- Low operating torque
- Adjustable stem packing gland
- Maximum operating temperature: 302°F (150°C)
- Minimum operating temperature: -22°F (-30°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections



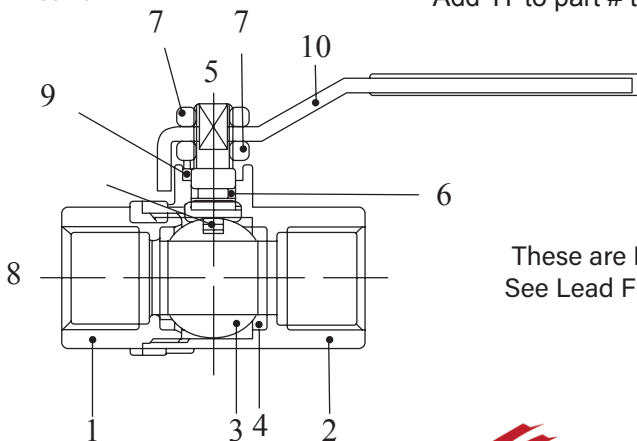
• Generic Handles



PART#	SIZE		DIMENSION INCHES					WEIGHT	BOX/CASE	
	NPT	DN	A	B	C	E	CH			
940171	1/4"	0.39	1.75	1.92	3.54	0.46	0.78	0.34	70/140	----
940172	3/8"	0.41	1.75	1.92	3.54	0.46	0.78	0.30	70/140	----
940173	1/2"	0.58	2.05	2.08	3.54	0.52	0.98	0.44	50/100	----
940174	3/4"	0.75	2.36	2.30	3.78	0.56	1.20	0.67	30/60	----
940175	1"	0.94	2.75	2.68	4.52	0.66	1.50	1.05	20/40	----
940176	1-1/4"	1.26	3.30	3.14	4.52	0.70	1.82	1.50	12/24	----
940177	1-1/2"	1.57	3.66	3.61	5.51	0.72	2.09	2.30	9/18	----
940178	2"	1.97	4.18	3.68	5.51	0.74	2.62	3.38	6/12	----
940179*	2-1/2"	2.52	5.38	4.76	8.66	1.01	3.36	7.61	3/6	----
940180*	3"	2.95	6.04	5.08	8.66	1.11	3.86	11.10	2/4	----
940181*	4"	3.89	7.38	5.86	9.00	1.22	4.89	12.12	1/2	----

* 400 PSI

* Add 'H' to part # to order handles *



These are NOT Lead Free
See Lead Free SWT Valves

POS	Components	Materials	N
1	Body	Forged Brass	1
2	End Connection	Forged Brass	1
3	Ball	CP Brass	1
4	Ball Seat	P.T.F.E.	2
5	Stem	Brass	1
6	Gland	Brass	1
7	Nut	Steel	1
8	Spring Inseat	Steel	1
9	Stem Seal	P.T.F.E.	1
10	Handle	Steel	1

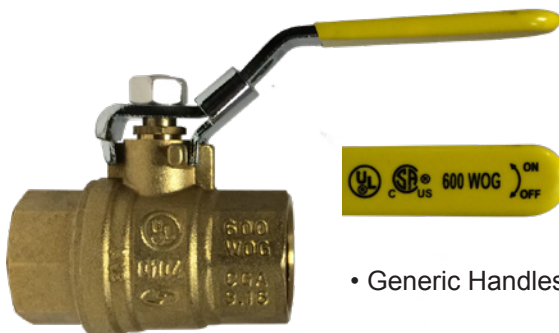
• Not Lead Free AB1953 Compliant

BUTTERFLY HANDLE BALL VALVE

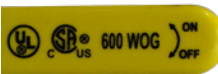
VALVES

LOCKING HANDLE BALL VALVE

▪ BRASS ▪ 600WOG ▪ FULL PORT



See specs on previous page



• Generic Handles

PART#	SIZE	DIMENSION INCHES						WEIGHT	BOX/CASE	
	NPT	DN	A	B	C	E	CH			
940171L	1/4"	0.31	1.73	1.84	3.15	0.49	0.71	0.39	70/140	----
940172L	3/8"	0.39	1.81	1.88	3.86	0.49	0.79	0.35	70/140	----
940173L	1/2"	0.58	2.23	2.09	3.43	0.61	0.98	0.49	50/100	----
940174L	3/4"	0.75	2.48	2.24	3.62	0.62	1.20	0.78	30/60	----
940175L	1"	0.94	2.95	2.67	4.42	0.73	1.50	1.18	20/40	----
940176L	1-1/4"	1.26	3.42	3.05	4.73	0.77	1.81	1.76	12/24	----
940177L	1-1/2"	1.57	3.78	3.51	5.18	0.78	2.09	2.53	9/18	----
940178L	2"	1.97	4.18	3.84	5.24	0.75	2.60	3.53	6/12	----

BUTTERFLY HANDLE BALL VALVE

▪ BRASS ▪ 600WOG ▪ FULL PORT



See specs on previous page

PART#	SIZE						WEIGHT	BOX/CASE	
	NPT	A	B	C	D	E			
940171T	1/4"	1.75	1.488	1.831	0.315	0.457	0.342	70/140	----
940172T	3/8"	1.756	1.488	1.831	0.394	0.457	0.31	70/140	----
940173T	1/2"	2.047	1.756	2.394	0.583	0.520	0.44	50/100	----
940174T	3/4"	2.362	1.921	2.394	0.748	0.563	0.68	30/60	----

• Not Lead Free AB1953 Compliant

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

VALVES

NICKEL PLATED BALL VALVE

VALVES

NICKEL PLATED BALL VALVE

• BRASS • 600WOG • FULL PORT • NO APPROVALS

Vacuum service to 29 inches Hg

600 psi (WOG) 150 psi (WSP) Service

Thread conform ANSI B1.20.1

Temperature Range : -40° F to 365° F

Construction: Forging Brass Body, Nickel plated

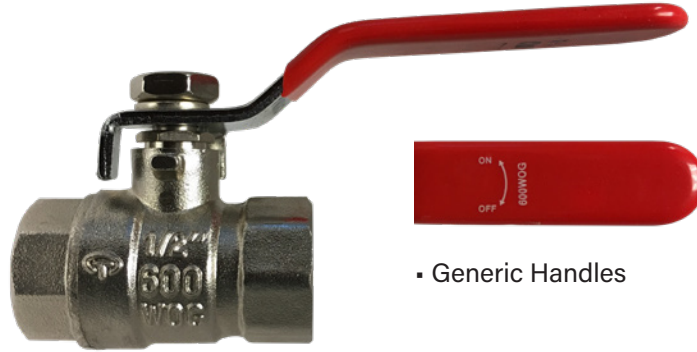
PTFE Ball Seats

Blow Out Proof Brass Stem

Steel Handle w/Vinyl Grip

Made in China

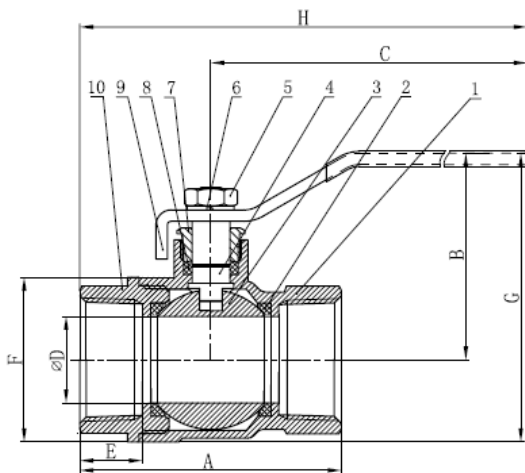
• Not Lead Free



• Generic Handles

FIP X FIP NICKEL PLATED BALL VALVE

PART #	SIZE	OD	A	B	C	E	F	G	H	WEIGHT	BOX/CASE	
941151NP	1/4"	0.394	1.73	1.69	3.35	0.453	0.945	2.154	4.331	0.32	10/120	----
941152NP	3/8"	0.394	1.73	1.69	3.35	0.473	0.945	2.154	4.331	0.32	10/120	----
941153NP	1/2"	0.524	1.89	1.73	3.35	0.472	1.083	2.276	4.291	0.36	10/100	----
941154NP	3/4"	0.748	2.28	1.89	3.35	0.563	1.378	2.579	4.488	0.57	10/80	----
941155NP	1"	0.984	2.80	2.14	4.29	0.650	1.772	3.031	5.689	0.65	8/48	----
941156NP	1-1/4"	1.240	3.15	2.32	4.29	0.669	2.165	3.398	5.866	1.75	4/36	----
941157NP	1-1/2"	1.476	3.44	2.66	5.63	0.701	2.50	3.909	7.343	2.10	2/24	----
941158NP	2"	1.949	4.06	3.01	5.63	0.708	3.244	4.638	7.638	3.35	2/12	----



No	Item	Qty	Material
1	Body	1	NP Brass
2	Seat	2	PTFE
3	Ball	1	Brass CP
4	Stem	1	Brass/ NP
5	Handle Nut	1	Plated Steel
6	Lock Washer	1	Plated Steel
7	Packing Nut	1	Brass/ NP
8	Packing	1	PTFE



USE OUR TEXT LINE [855-609-3729](tel:855-609-3729) TO COMMUNICATE
WITH MIDLAND MORE CONVENIENTLY

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer.
For more information, visit www.P65Warnings.ca.gov



N/P BALL VALVE W/SS TRIM VALVES

Gas Approved



UL842, UL258, UL125,FM

CSA AGA 3.88 5 PSIG

N/P BALL VALVE W/SS TRIM

- NICKEL PLATED
- SS BALL, HANDLE, NUT & STEM
- LOCKING HANDLE
- W/APPROVALS

Features

- Vacuum service to 29 inches Hg
- Thread Conform ANSI B1.20.1
- Forged Brass Body
- Blow Out Proof Stem Design
- Packing Nut, O-RING & Packing On The Stem Seal
- Stainless Steel Ball, Handle, Nut&Stem
- Handle With Vinyl Grip

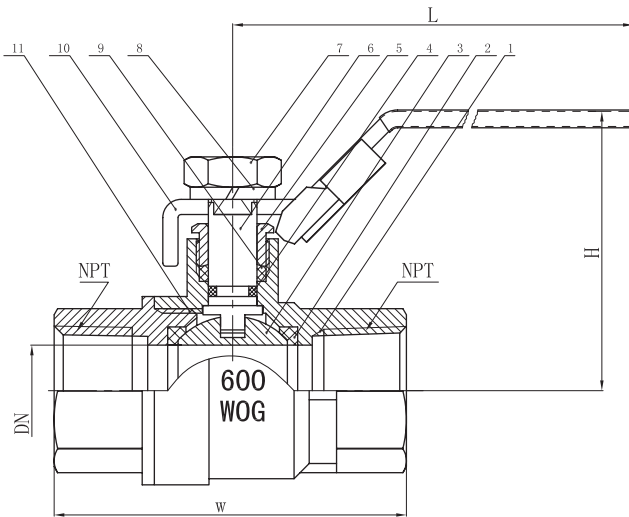
Performance rating

- 600 PSI (WOG) 150 PSI (WSP) Service
- Temperature range: -20° F to 300° F
- Made in China
- Not lead free
- No more rusty handles



• Generic Handles

PART#	SIZE	D	L	H	W	CV	WT.(LBS.)	BOX/CASE	
941121NP	1/4	0.394	3.22	1.84	1.73	8.23	0.326	10/120	----
941122NP	3/8	0.394	3.22	1.84	1.73	8.23	0.320	10/120	----
941123NP	1/2	0.591	3.22	2.02	2.24	18.55	0.474	10/100	----
941124NP	3/4	0.748	4.04	2.40	2.52	29.76	0.785	10/80	----
941125NP	1	0.984	4.08	2.20	2.97	51.55	1.155	8/48	----
941126NP	1-1/4	1.259	5.20	3.05	3.44	84.42	1.797	4/36	----
941127NP	1 1/2	1.574	5.20	3.18	3.88	131.93	2.447	2/24	----
941128NP	2	1.941	5.20	3.48	4.33	200.35	3.477	2/12	----



Part Name	Material
Body	Brass/ Nickel Plated
Seat	PTFE
Ball	Stainless Steel
O-ring	Fluoroelastomer
Packing Nut	Brass/ Nickel Plated
Stem	Stainless Steel
Handle Nut	Stainless Steel
Lock Washer	Stainless Steel
Packing	PTFE
Handle	Stainless Steel
Cap	Brass/ Nickel Plated



GO ONLINE TO UPLOAD YOUR LOGO TO UTILIZE ALL OF OUR CUSTOMIZABLE TOOLS!

WARNING: This product can expose you to chemicals, including chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

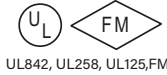
VALVES

ITALIAN BALL VALVE

VALVES

ITALIAN BALL VALVE

• BRASS • 600WOG • FULL PORT



ISO 9002 Manufacturer
FEATURES

CSA AGA 3.88 5 PSIG

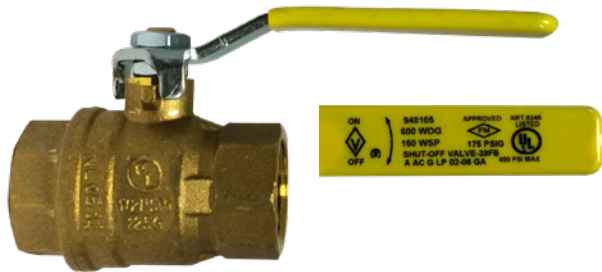
IAMPO IGC 157 - 2004b

- **SOLID CHROME PLATED BRASS BALL**
- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated at 600psi (42 bars) WOG (non-shock) and 150 WSP (10.34 bars) saturated steam. Virgin TFE stem packing seal, thrust washer and seats.
- Yellow vinyl insulator on heavy duty plated carbon steel handles.
- Fast 1/4 turn open or close operation
- Low operating torque
- Flow can go both directions
- Generic Handles

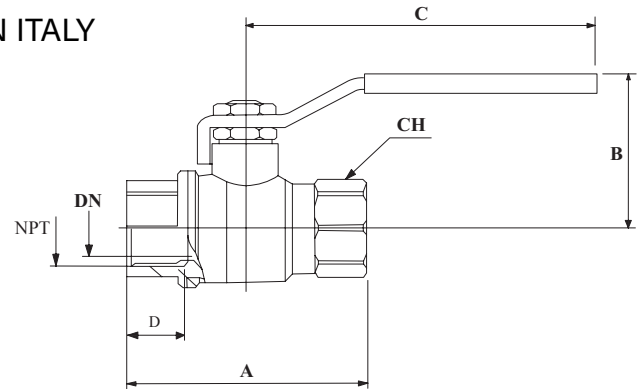
- **Adjustable stem packing gland**
- Maximum operating temperature: 248°F (120° C) at 600 PSI
- Minimum operating temperature: -20°F (-40°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections

• **REVERSIBLE HANDLES**

MADE IN ITALY



Female x Female



PART#	SIZE		DIMENSION INCHES					WEIGHT	BOX/CASE	
	NPT	DN	A	B	C	D	CH			
943200	1/4"	.39	1.96	1.53	3.31	.43	.75	0.36	24/96	----
943201	3/8"	.39	1.96	1.53	3.31	.43	.86	0.40	24/96	----
943202	1/2"	.57	2.09	1.57	3.25	.46	.98	0.44	20/80	----
943203	3/4"	.75	2.28	1.77	3.80	.49	1.22	0.57	14/56	----
943204	1"	.94	2.80	2.03	3.80	.59	1.50	0.89	6/24	----
943205	1-1/4"	1.24	3.50	2.32	4.72	0.72	1.85	1.64	4/16	----
943206	1-1/2"	1.49	3.90	3.02	6.38	0.85	2.13	2.78	2/8	----
943207	2"	1.96	4.07	3.27	6.38	.65	2.64	3.21	2/8	----
942208	2-1/2"	2.48	5.80	4.98	7.54	1.06	3.31	6.97	5	----
942209	3"	2.99	6.85	5.63	8.86	1.14	3.89	10.34	3	----
942210	4"	3.54	7.67	6.04	8.86	1.22	4.80	18.77	1	----

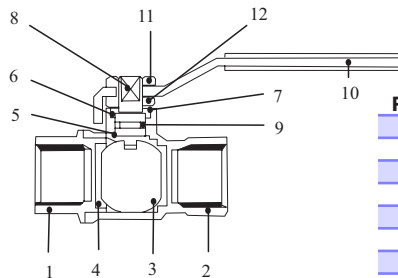
HANDLE OPTIONS

TEE HANDLES

PART #	VALVE SIZE	LIST PRICE
43200T	1/4" - 3/4"	----

LOCKING HANDLES

PART #	VALVE SIZE	LIST PRICE
43200L	1/4" - 3/4"	----
43204L	1"	----
43206L	1-1/4" - 1-1/2"	----



POS	Components	Materials	N
1	Body	Forged Brass	1
2	End Connection	Forged Brass	1
3	Ball	CP Brass	1
4	Ball Stems	P.T.F.E.	2
5	Stem Antif. Seat	P.T.F.E.	1
6	Stem Seat	P.T.F.E.	1
7	Brass Ring	Brass	1
8	Stem	Brass	1
9	O-Ring	NBR 80	1
10	Handle	Steel	1
11	Nut	Steel	1
12	Nut	Brass	1

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

• Not Lead Free AB1953 Compliant

www.midlandindustries.com



Toll Free Phone 1-800-821-5725

MALE X FEMALE BRASS BALL VALVE

VALVES

MALE X FEMALE BRASS BALL VALVE

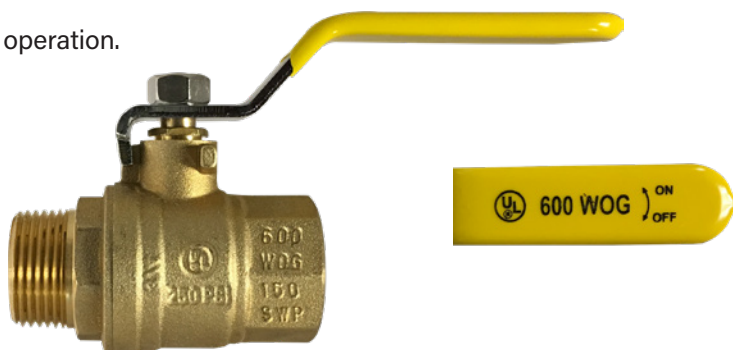
• 600WOG • FULL PORT



UL842, UL258

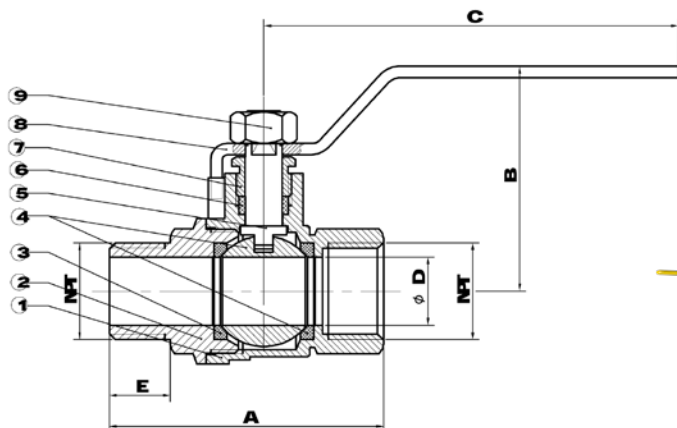
- Solid chrome plated brass ball
- Suitable for full range of liquids and gases.
- Minimal pressure drop due to large full size ports.
- Bottom loaded, pressure retaining stem.
- Pressure rated at 600psi (42 bars) WOG (non-shock) and 150psi (10.34 bars) saturated steam. Virgin TFE stem packing seal, thrust washer and seats.
- Yellow vinyl insulator on heavy duty plated carbon steel handles.
- Fast 1/4 turn open or close operation.
- Flow both directions.
- Low operating torque.

- Adjustable stem packing gland.
- Generic Handles
- Maximum operating temperature: 248°F (120°C)
- Minimum operating temperature: -20°F (-40°C)
- Each valve individually tested.
- Forged Brass - for more strength.
- Threaded ends to ANSI B1.201
- Hard chromium plated solid ball



• Not Lead Free

PART#	SIZE	NPT	A	B	C	D	E	WEIGHT	BOX/CASE	
948170	1/4"	1/4 - 18	2.016	1.689	2.756	0.315	0.457	0.29	70/140	----
948171	3/8"	3/8 - 18	2.094	1.89	3.543	0.394	0.457	0.33	70/140	----
948172	1/2"	1/2 - 14	2.343	2.05	3.543	0.583	0.520	0.47	50/100	----
948173	3/4"	3/4 - 14	2.618	2.20	3.780	0.748	0.563	0.68	30/60	----
948174	1"	1 - 11.5	3.000	2.579	4.528	0.945	0.630	1.11	20/40	----
948175	1-1/4"	1-1/4 - 11.5	3.563	2.953	4.528	1.260	0.709	1.70	12/24	----
948176	1-1/2"	1-1/2 - 11.5	3.965	3.346	5.512	1.575	0.717	2.50	9/18	----
948177	2"	2 - 11.5	4.496	3.681	5.512	1.969	0.748	3.57	6/12	----



POS	Components	Materials
1	Body	C37700
2	End Cap	CS7700
3	Ball Seat	PTFE
4	Ball	CS7700
5	Stem	CS7700
6	Stem Reducing	PTFE
7	Reducing Nut	CS7700
8	Lever Handle	1008



Locking Handle option



Tee handle option

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

ITALIAN MALE X FEMALE BALL VALVE

VALVES

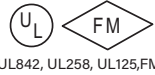
ITALIAN MALE X FEMALE BALL VALVE

• BRASS • 600WOG • FULL PORT

Gas Approved



CSA AGA 3.88 5 PSIG



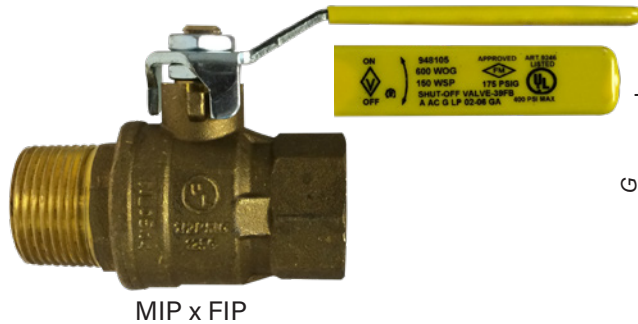
UL842, UL258, UL125, FM

Made in Italy

ISO 9002 Manufacturer
FEATURES

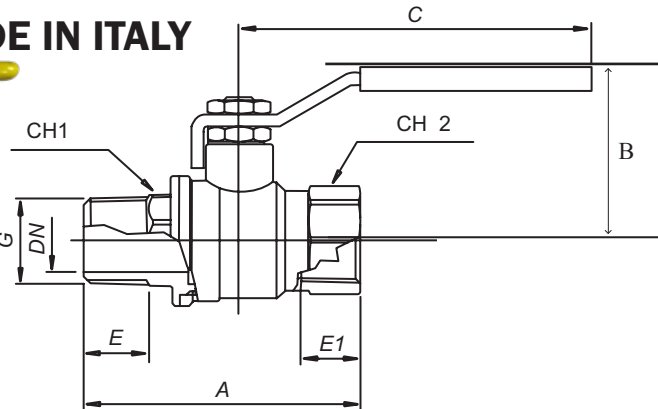
- Solid chrome plated brass ball
- Suitable for full range of liquids and gases.
- Minimal pressure drop due to large full size ports.
- Bottom loaded, pressure retaining stem.
- Pressure rated at 600psi (42 bars) WOG (non-shock) and 150psi (10.34 bars) saturated steam. Virgin TFE stem packing seal, thrust washer and seats.
- Yellow vinyl insulator on heavy duty plated carbon steel handles.
- Fast 1/4 turn open or close operation.
- Generic Handles
- Flow both directions.

- Low operating torque.
- Adjustable stem packing gland.
- Maximum operating temperature: 248°F (120°C) at 600 p.s.i
- Minimum operating temperature: -20°F (-40°C)
- KV: Pressure drop m^3/h .
- Each valve individually tested.
- Forged Brass - for more strength.
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem.
- Deeper threads - for better connections.

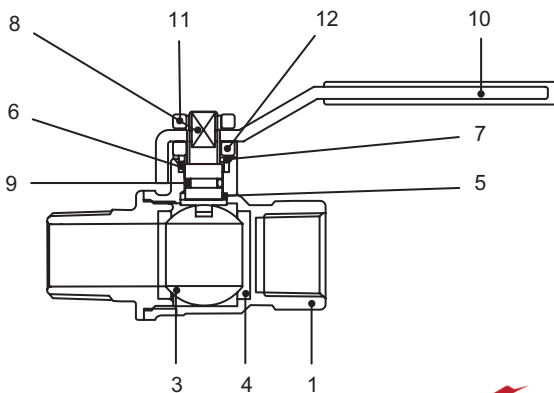


MIP x FIP

MADE IN ITALY



PART#	SIZE	DN	A	B	C	E	E1	CH1	CH2	WEIGHT	BOX/CASE	
948101	1/4"	.39	2.18	1.53	3.28	.39	.43	.55	.75	0.35	24/96	----
948102	3/8"	.39	2.20	1.53	3.28	.43	.43	.71	.86	0.35	24/96	----
948103	1/2"	.57	2.54	1.57	3.28	.62	.46	.87	.98	0.42	14/56	----
948104	3/4"	.75	2.75	1.77	3.80	.55	.49	1.12	1.22	0.68	12/48	----
948105	1"	.94	3.23	2.03	3.80	.69	.59	1.34	1.50	0.95	6 /24	----
948106	1-1/4"	1.24	3.86	2.32	4.63	.81	.79	1.69	1.90	1.66	4/16	----
948107	1-1/2"	1.49	4.20	2.98	6.28	.85	.64	2.15	2.13	2.83	2/8	----
948108	2"	1.96	4.90	3.27	6.38	.90	.75	2.40	2.64	4.22	1/4	----



POS	Components	Materials	N
1	Body	CW617N Forged Brass	1
2	End Connection	CW617N Forged Brass	1
3	Ball	CW617N CP Brass	1
4	Ball Stems	P.T.F.E.	2
5	Stem Antif. Seat	P.T.F.E.	1
6	Stem Seat	P.T.F.E.	1
7	Brass Ring	CW617N Brass	1
8	Stem	CW617N Brass	1
9	O-Ring	NBR 80	1
10	Handle	UNI EN 10025 Steel	1
11	Nut	EN 5771 Steel	1
12	Nut	CW617N Brass	1

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



TEE HANDLE BALL VALVE - MXF

VALVES

TEE HANDLE BALL VALVE - MALE X FEMALE



UL842, UL258

Features

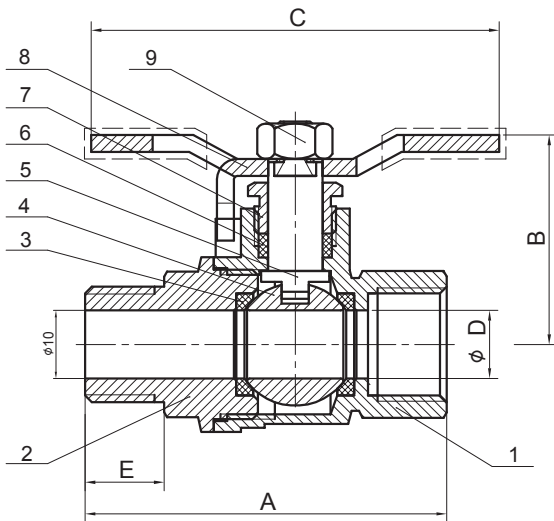
- Thread conform ANSI B1.20.1
- Forged brass body
- Blow out proof stem design
- Packing nut, O-Ring and packing on the stem seal
- Chrome Plated Brass Ball
- Handle with vinyl grip

Performance rating

- 600 PSI (WOG) 150 PSI (WSP) Service
- Temperature range: -20° F to 300° F
- Made in China
- Not lead free



PART#	SIZE NPT	DIMENSION INCHES					Weight	Box/Case	
		A	B	C	D	E			
948170T	1/4"	2.016	1.27	2.67	0.315	0.457	0.26	70/140	----
948171T	3/8"	2.094	1.213	2.67	0.394	0.457	0.33	70/140	----
948172T	1/2"	2.343	1.61	3.12	0.583	0.520	0.49	50/100	----
948173T	3/4"	2.618	1.26	3.12	0.748	0.563	0.66	30/60	----
948174T	1"	3.000	1.921	3.701	0.945	0.630	1.06	20/40	----
948176T	1-1/2"	3.965	2.717	4.331	1.575	0.717	2.46	9/18	----



Item	Part	Materials
1	Body	Brass
2	End Cap	Brass
3	Ball Seat	PTFE
4	Ball	C/P Brass
5	Stem	Brass
6	Stem Packing	PTFE
7	Packing Nut	Brass
8	T-Handle	Nickel plating steel
9	Stem Nut	Brass plating steel



HELP US HELP YOU! GO ONLINE TO UPDATE YOUR CUSTOMER PROFILE SO THAT WE CAN UPDATE ALL THE APPROPRIATE DEPARTMENTS AND PERSONNEL AT YOUR COMPANY ON NEW CATALOGS, PRICING UPDATES, NEW MARKETING TOOLS, AND OTHER IMPORTANT INFORMATION. THANK YOU!

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

VALVES

LOCKING HANDLE BALL VALVES - FEMALE X MALE VALVES

LOCKING HANDLE BALL VALVES - FEMALE X MALE



UL842, UL258

Features

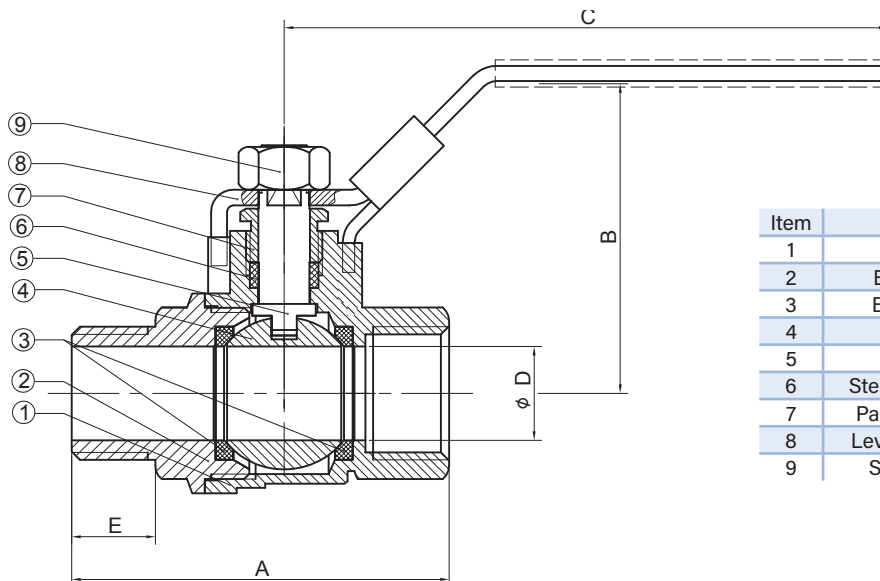
- Thread conform ANSI B1.20.1
- Forged brass body
- Blow out proof stem design
- Packing nut, O-Ring and packing on the stem seal
- Chrome Plated Brass ball
- Handle with vinyl grip

Performance rating

- 600 PSI (WOG) 150 PSI (WSP) Service
- Temperature range: -20° F to 300° F
- Made in China
- Not lead free



PART#	SIZE	DIMENSION INCHES					Weight	Box/Case	
	NPT	A	B	C	D	E			
948170L	1/4"	2.016	1.732	3.543	0.315	0.457	0.32	70/140	----
948171L	3/8"	2.094	1.732	3.543	0.394	0.457	0.37	70/140	----
948172L	1/2"	2.343	1.941	3.543	0.583	0.520	0.50	50/100	----
948173L	3/4"	2.618	2.106	3.78	0.748	0.563	0.77	30/60	----
948174L	1"	3.000	2.579	4.528	0.945	0.630	1.21	20/40	----
948175L	1-1/4"	3.563	2.961	4.528	1.260	0.709	1.74	12/24	----
948176L	1-1/2"	3.965	3.366	5.36	1.575	0.717	2.58	9/18	----
948177L	2"	4.496	3.701	5.36	1.969	0.748	3.73	6/12	----



Item	Part	Materials
1	Body	Brass
2	End Cap	Brass
3	Ball Seat	PTFE
4	Ball	C/P Brass
5	Stem	Brass
6	Stem Packing	PTFE
7	Packing Nut	Brass
8	Lever Handle	Nickel plating steel
9	Stem Nut	Brass plating steel

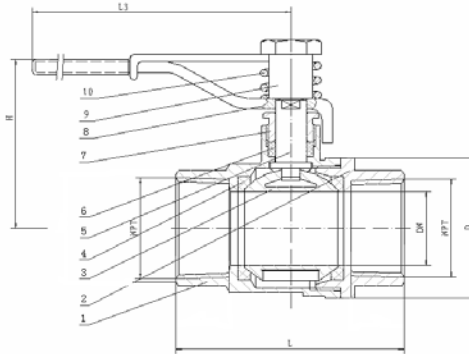
WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

SPRING HANDLE/ RIGHT ANGLE VALVES

VALVES

BRASS SPRING HANDLE BALL VALVE

Working pressure:600 PSI for brass
 Temperature Range:-40°F to 365°F(-40°C to +185°C)
 Material:Brass
 Spring Lever Handle w/Vinyl Grip
 Made in China
 Not lead free

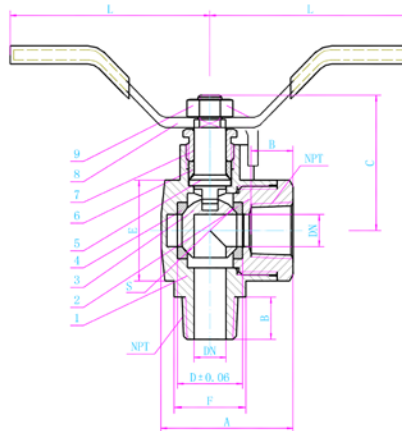
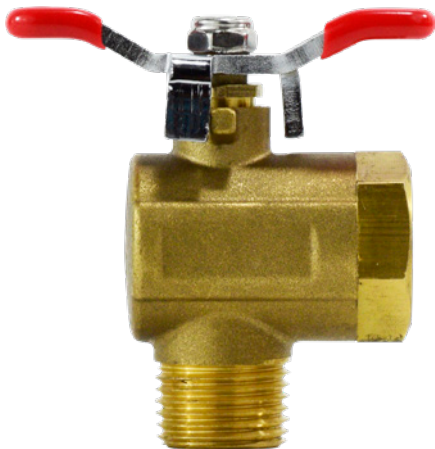


Part #	Part Name	Material
1	Body	Brass
2	Bonnet	Brass
3	Ball	Brass
4	Sealing Seat	PTFE
5	Stem	Stainless Steel
6	Packing Ring	PTFE
7	Gland	Brass
8	Handle	Stainless Steel
9	Bolt	Brass
10	Spring	Stainless Steel

PART#	SIZE	L	D	DN	H	L3	WTG	BOX/ CASE	
947103	1/2"	2.19	1.24	0.59	1.83	4.24	0.54	10/80	----
947104	3/4"	2.38	1.5	0.75	2.19	4.24	0.72	5/40	----
947105	1"	3.23	1.91	0.98	2.49	4.71	1.32	5/30	----

RIGHT ANGLE BRASS BALL VALVE

Working pressure: 250PSI
 Temperature Range -40° to 400°F(-40 °C to +205 °C)
 With lever Handle Polytetrafluoroethylene seats 2-pc,full port Heavy Duty forged Body Steel
 Handle w/Vinyl GripMade in China
 Not lead free



Part #	Part Name	Material
1	Body	Brass
2	Cap	Brass
3	Ball	Brass
4	Seat	PTFE
5	Stem	Brass
6	Stuffing	PTFE

PART #	SIZE	A	B	C	D	S	DN	L	E	F	WTG	BOX/ CASE	
947111	1/4	1.59	0.41	1.40	0.64	0.63	0.32	2.60	0.98	0.65	0.34	12/120	----
947112	3/8	1.59	0.41	1.40	0.73	0.71	0.39	2.60	0.98	0.65	0.36	12/120	----
947113	1/2	1.73	0.55	1.40	0.79	0.87	0.55	2.60	1.08	0.83	0.47	10/80	----

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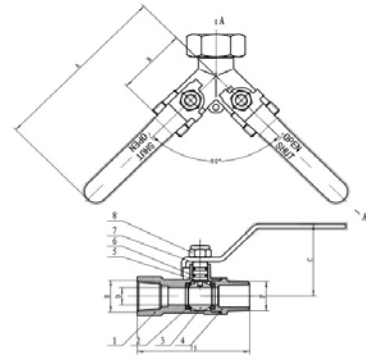
3 WAY AND SAFETY EXHAUST BALL VALVES

VALVES

3-WAY WYE BRASS BALL VALVE, VENTED AND UNVENTED

- Max. pressure: W.O.G. (water, oil, inert gas)
Unvented Valve: 600psi@70°F
Vented Valve: 250psi@70°F
W.S.P. (working steam pressure)
Unvented Valve: 150psi@365°F
Vented Valve: Not related
- Vacuum Rating: 29"Hg
- Temperature Range: -40° to 365°F
- Ports: Full

Part#	Part Name	Material
1	Body	Brass Nickel Plated
2	Seat	PTFE
3	Ball	Brass, Cr. Plated
4	Cap	Brass Nickel Plated
5	Stem	Brass
6	O-Ring	Fluoroelastomer



Designed for the portable air compressor industry, these valves control the flow of water, oil, and inert gases in two directions and are great for mixing and diverting. They have a single female inlet and two male outlets with two ball valves. Valves are Brass Nickel Plated and have chrome-plated brass balls, brass blow-out proof stems, PTFE seats and seals, and steel lever handles with vinyl grips. Vented valves have a drilled hole on the two valve balls and body that vents compressed air in the line when the valve is closed. Connections: 1" NPT female inlet and 3/4" NPT male outlet. • Made in China • Not lead free

Connections: 1" NPT female inlet and 3/4" NPT male outlet. • Made in China • Not lead free



NON-VENTED



VENTED

NOW WITH STAINLESS STEEL HANDLES

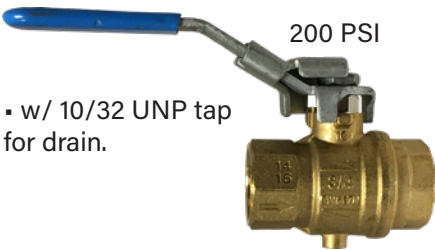
PART #	BALL	E	F	A	B	C	D	G	WTG	BOX/CASE	
947125	Non-vented	1" Female	3/4" Male	5.18"	2.5"	2.05"	0.59"	90°	1.43	2/24	----
947126	Vented								1.48	2/24	----

EXHAUST VALVES

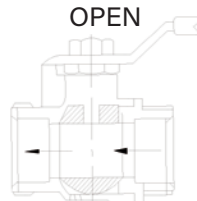
AUTOMATIC DRAIN & LATCH LOCK HANDLE

Full port hot forged brass ball valve, blow-out proof stem, downstream automatic vent with lockable handle in compliance with OSHA requirements.

- Maximum working pressure: 200 PSI (CWP).
- Temperature rating: +15°F through +210°F.
- Made in Italy
- Not lead free

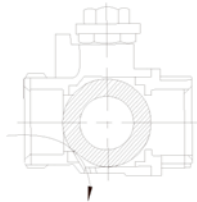


• w/ 10/32 UNP tap for drain.



Valve - open position. Drain vent shut off.

CLOSED



PART#	SIZE	
948131	1/4"	----
948132	3/8"	----
948133	1/2"	----
948134	3/4"	----
948135	1"	----

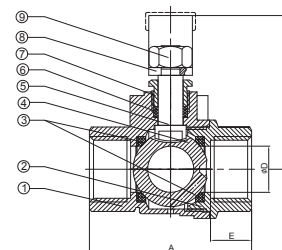
Valve - closed and draining occurs. Upstream seat prevents air flow. Downstream system is vented to atmosphere.

SAFETY EXHAUST BALL VALVE

- Threaded - Two Piece Body - Full Port
- Blow-out Proof Stem - PTFE Seats
- To Exhaust and Downstream Air in the Closed Position w/ locking lever handle.
- Made in China
- Vented
- 400 PSI WOG
- Not lead free
- 150 SWP



PART #	SIZE	A	B	D	E	
948141	1/4"	1.756	1.88	0.394	0.457	----
948142	3/8"	1.756	1.88	0.394	0.457	----
948143	1/2"	2.047	2.13	0.583	0.520	----
948144	3/4"	2.362	2.28	0.748	0.563	----



MATERIAL LIST

Item	Part	Material
1	Body	Brass
2	End Cap	Brass
3	Ball Seat	PTFE
4	Ball	Brass
5	Stem	Brass
6	Stem Packing	PTFE
7	Packing Nut	Brass
8	Lever Handle	Nickel plating steel
9	Stem Nut	Nickel plating steel

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GAS BALL VALVES

VALVES



CSA AGA 3.88 5 PSIG

- Material: C37700
- Forged brass, Regular port, Thread*Flare Thread
- Thread ends in ANSI B1.20.1
- Working temperature: 0-65°(32-149°)
- Pressure :1/2PSI;5PSI;

GAS BALL VALVES

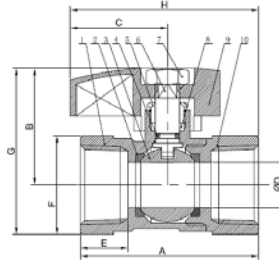
ISO 9002 MANUFACTURER
FEATURES

- ASME B16.44/CR91; ANSI Z21.15/CSA9.1
- UL 125 For LP-Gas 125psig
- Made in China



GAS BALL VALVE (2-PIECE)
FEMALE X FEMALE

PART#	SIZE	WTG	BOX/CASE
943311	3/8"	0.35	10/100
943312	1/2"	0.44	10/100
943313	3/4"	0.62	10/100
943314	1"		



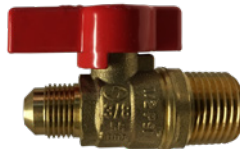
NO.	ITEM	TOTAL	MATERIAL
10	BALL VALVE CAP	1	BRASS
9	HANDLE	1	AL-alloy
8	PACKING	1	PTFE
7	HANDLE NUT	1	PLATED STEEL
6	STEM	1	BRASS
5	PACKING NUT	1	BRASS
4	O-RING	1	NBR
3	BALL	1	BRASS
2	SEALING WASHER	2	PTFE
1	BALL VALVE BODY	1	BRASS

SIZE	∅D	A	B	C	E	F	G	H
3/8"	0.394	1.752	1.437	1.28	0.472	0.945	1.909	2.146
1/2"	0.394	2.204	1.437	1.28	0.606	1.043	1.961	2.461
3/4"	0.591	2.362	1.535	1.28	0.626	1.299	2.815	2.476



FLARE X FLARE

PART#	SIZE
943342	3/8
943343	1/2
943345	5/8
943344	15/16



FLARE X MIP

PART#	SIZE
943347	3/8 x 1/2
943348	1/2 x 1/2

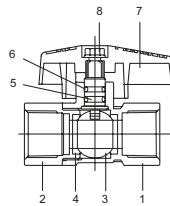


FLARE X FIP

PART#	SIZE
943331	3/8 x 1/2
943332	1/2 x 1/2
943351	5/8 x 3/4
943350	15/16 x 3/4

- For use with natural, manufactured, mixed liquified, petroleum and LP gas-air mixtures.
- Deeper thread connections. Smooth quarter-turn.
- Manufactured to ANSI Z21.15, C.G.A. 9.1-M81, 9.2-M88, 1/2 psig. 372 also to A.G.A.3-8, C.G.A. CR91-002, 2 psig.
- Solid chrome plated brass ball
- Bottom entry
- Blow out proof design.
- Double Fluoroelastomer o-rings stem seals
- Polytetrafluoroethylene seats for durability.
- Forged construction for greater strength.
- Larger ports for increased flow capacity.
- Red Reversible handle.
- May be used with water 400 WOG.

MADE IN ITALY



Components	Materials
1 Body	Forged Brass
2 End Connection	Forged Brass
3 Ball	Forged Brass
4 Ball Seats	P.T.F.E.
5 Stem	Brass
6 O-Ring	NBR
7 Butterfly	Steel
8 Screw	UNI 5771 Steel

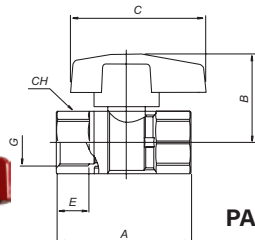
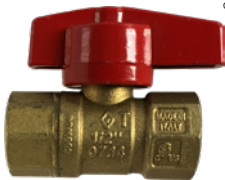


CSA AGA 3.88 5 PSIG



Manual Valve LISTED Threaded NPT UL 842, UL 258, UL 125

GAS BALL VALVES FEMALE X FEMALE



PART#	SIZE	DIMENSION INCHES								
		G	DN	A	B	C	E	CH	PN in psi	WTG
943212	1/2"	.47	2.26	1.45	2.28	.55	.98	600	0.33	20/80
943213	3/4"	.59	2.48	1.57	2.28	.57	1.22	600	0.45	14/56

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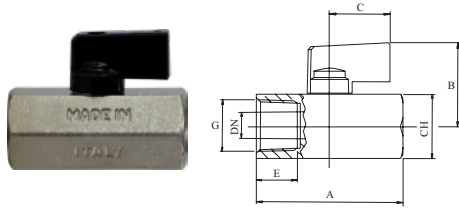
CHROME PLATED BRASS MINI BALL VALVES

VALVES

ITALIAN CHROME PLATED BRASS MINI BALL VALVE

ISO 9002 Manufacturer

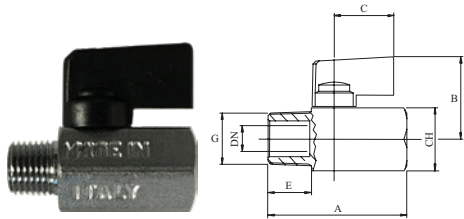
- FEATURES**
- Solid chrome plated brass ball
 - Max working pressure 235 psi will handle 300psi@75° F
 - Longer body style for longer, deeper thread connections
 - One piece drawn sand blasted chrome plated body.
 - Each valve is seal tested for maximum safety.
 - Double seal system allows valve to be operated in both directions making installation easier.
 - Blowout-proof brass stem.
 - NPT taper ANSI B1.20.1 threads.
 - 32°F to +176°F temperature.
 - 1/4 Turn Aluminium handle with mechanical stop.
 - NSF Approved valves available upon request.
 - Not lead free



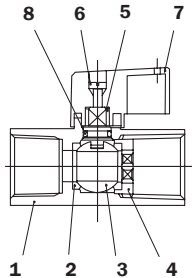
Made in Italy

Female x Female

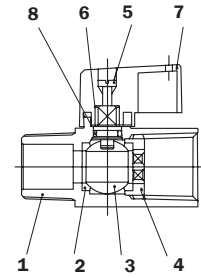
PART#	SIZE		DIMENSION INCHES							BOX/ CASE
	G	DN	A	B	C	E	CH	WTG		
46922I	1/4"	0.31	1.81	1.17	0.9	0.51	0.83	0.24	50/200	----
46923I	3/8"	0.31	1.85	1.17	0.9	0.51	0.83	0.22	50/200	----
46924I	1/2"	0.39	2.18	1.26	0.9	0.61	0.98	0.32	30/120	----

**Male x Female**

PART#	SIZE		DIMENSION INCHES							BOX/ CASE
	G	DN	A	B	C	E	CH	WTG		
46903I	1/4"	0.31	1.75	1.17	0.9	.40	0.83	0.20	50/200	----
46904I	3/8"	0.31	1.81	1.17	0.9	.41	0.83	0.20	50/200	----
46905I	1/2"	0.39	2.14	1.26	0.9	.52	0.98	0.30	40/160	----



POS	Components	Materials	N
1	Body	CW517N Forged Brass	1
2	Ball Seats	P.T.F.E	2
3	Ball	CW517N CP Brass	1
4	Ring Unit	CW614N Brass	1
5	Stem	CW614N Brass	1
6	Screw	UNI 5771 Steel	1
7	Handle	Aluminum	1
8	O-Ring	NBR 80	1



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MINI BALL VALVES

VALVES

MINI BALL VALVES

- Chrome plated forged brass body
- Chrome plated brass ball
- NPT taper ANSI B1.20.1 threads*
- 450 PSI working pressure
- At 212°F - 355 PSI

- At 356°F - 142 PSI
- 1/4 Turn Alumzinc handle
- Not lead free
- Made in China

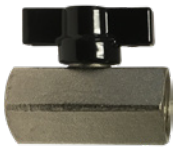
See page 107 for C/P Push-In mini ball valves



FEMALE X FEMALE - FLAG HANDLE

PART #	SIZE	DIMENSIONS (IN)				WT LBS	BOX/CASE	
		A	D(FLOW)	F	G			
46934	1/8	1.57	0.24	0.93	1.46	0.21	20/300	----
46935	1/4	1.57	0.31	0.93	1.46	0.20	20/300	----
46936	3/8	1.57	0.28	0.93	1.46	0.22	20/300	----
46937	1/2	1.77	0.35	0.93	1.56	0.24	20/200	----

MINI BALL VALVES W/FLUOROELASTOMER SEALS



FEMALE X FEMALE - TEE HANDLE

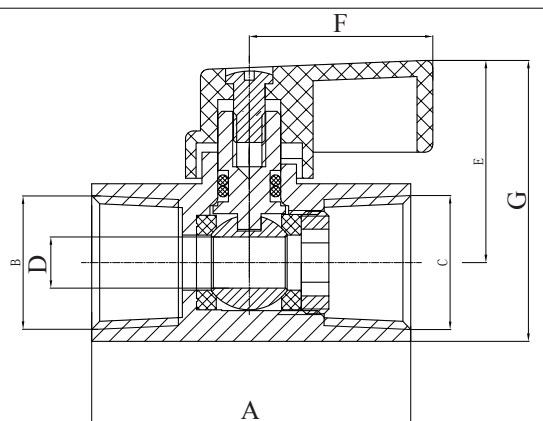
PART #	SIZE	DIMENSIONS (IN)				WT LBS	BOX/CASE	
		A	D(FLOW)	HANDLE	G			
46934LT	1/8	1.60	0.24	1.34	1.43	0.21	20/300	----
46935LT	1/4	1.57	0.31	1.34	1.43	0.20	20/300	----
46936LT	3/8	1.60	0.28	1.34	1.43	0.22	20/300	----



FEMALE X FEMALE - SCREWDRIVER

PART #	SIZE	DIMENSIONS (IN)		WT LBS	BOX/CASE	
		A	D(FLOW)			
46934LS	1/8	1.57	0.24	0.21	20/300	----
46935LS	1/4	1.57	0.31	0.20	20/300	----
46936LS	3/8	1.57	0.28	0.22	20/300	----
46937LS	1/2	1.77	0.35	0.24	20/200	----

- Not lead free



Pos	Components	Materials	N
1	Body	CP Forged Brass	1
2	Ball Seats	P.T.F.E.	2
3	Ball	CP Brass	1
4	Ring Unit	Brass	1
5	Stem	Brass	1
6	O-Ring - flag handle	NBR 80	1
6	O-Ring - all others	Fluoroelastomer	1

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MINI BALL VALVES

VALVES

MINI BALL VALVES

- Chrome plated forged brass body
- Chrome plated brass ball
- NPT taper ANSI B1.20.1 threads*
- 450 PSI working pressure
- At 212°F - 355 PSI
- At 356°F - 142 PSI
- 1/4 Turn Alumzinc handle
- Not lead free
- Made in China

**MALE X FEMALE - FLAG HANDLE**

PART #	SIZE	DIMENSIONS (IN)				WT LBS	BOX/ CASE	
		A	D(FLOW)	F	G			
46930	1/8	1.57	0.24	0.93	1.46	0.17	20/300	----
46931	1/4	1.57	0.31	0.93	1.46	0.15	20/300	----
46932	3/8	1.57	0.28	0.93	1.46	0.21	20/300	----
46933	1/2	1.77	0.35	0.93	1.56	0.24	20/200	----

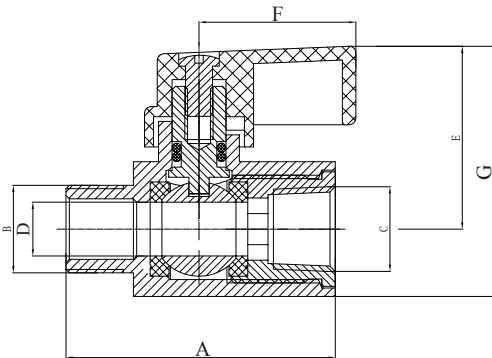
MINI BALL VALVES W/FLUOROELASTOMER SEALS**MALE X FEMALE - TEE HANDLE**

PART #	SIZE	DIMENSIONS (IN)				WT LBS	BOX/ CASE	
		A	D(FLOW)	HANDLE	G			
46930T	1/8	1.57	0.24	1.34	1.46	0.17	20/300	----
46931T	1/4	1.57	0.31	1.34	1.46	0.15	20/300	----
46932T	3/8	1.57	0.28	1.34	1.40	0.21	20/300	----
46933T	1/2	1.77	0.35	1.34	1.56	0.24	20/200	----

MALE X FEMALE - SCREWDRIVER

PART #	SIZE	DIMENSIONS (IN)		WT LBS	BOX/ CASE	
		A	D(FLOW)			
46930S	1/8	1.57	0.24	0.17	20/300	----
46931S	1/4	1.57	0.31	0.15	20/300	----
46932S	3/8	1.57	0.28	0.21	20/300	----
46933S	1/2	1.77	0.35	0.24	20/200	----

- Not lead free



Pos	Components	Materials	N
1	Body	CP Forged Brass	1
2	Ball Seats	P.T.F.E.	2
3	Ball	CP Brass	1
4	Ring Unit	Brass	1
5	Stern	Brass	1
6	O-Ring - flag handle	NBR 80	1

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FORGED BRASS MINI BALL VALVES

VALVES

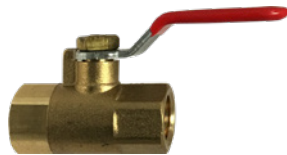
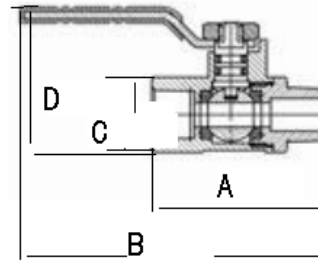
FORGED BRASS MINI-BALL VALVES

- 180° operational handle, blow out proof stem. Stem with double "O" Rings
- 200 WOG
- Temp rating -20°F - 250°F
- Generic Handles
- Not lead free

See page 107 for C/P mini ball valves

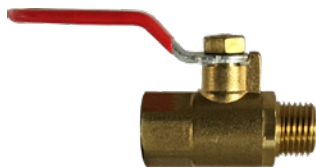
NO	Part Name	Material	QTY
1	Nut	Steel	1
2	Handle	Steel	1
3	Cover	PVC	1
4	O-Ring	NBR	2
5	Stem	Brass	1
6	Body	Brass	1
7	Seat	Polyte	2
8	Ball Disc	Brass	1
9	End Plug	Brass	1

*Polyte Abbreviation for Polytetrafluoroethylene



FEMALE X FEMALE

PART #	SIZE	A	B	C	D	
944113	1/8	1.53	2.80	0.73	1.42	----
944116	1/4	1.53	2.80	0.73	1.42	----
944117	3/8	1.73	2.90	0.87	1.50	----
944140	1/2	2.20	3.08	0.98	1.45	----



FEMALE X MALE

PART #	SIZE	A	B	C	D	
944106	1/8	1.69	3.02	0.73	1.46	----
944100	1/4X1/8	1.28	2.90	0.66	1.32	----
944101	1/4	1.70	3.00	0.73	1.46	----
944102	3/8X1/4	1.78	2.50	0.89	1.50	----



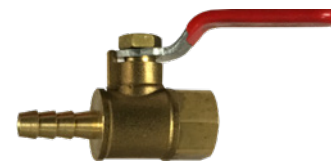
MALE X MALE

PART #	SIZE	A	B	C	D	
944107	1/8	1.70	2.94	0.65	1.42	----
944109	1/4	1.25	2.66	0.65	1.42	----
944110	3/8	1.90	2.98	0.73	1.42	----
944112	1/2	2.56	4.93	1.02	2.21	----



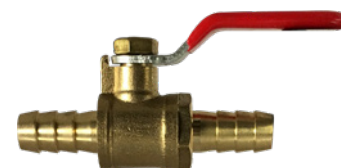
HOSE BARB X MALE

PART #	SIZE	A	B	C	D	
944132	1/4X1/8	2.05	2.91	0.73	1.51	----
944138	1/4X1/4	2.08	2.98	0.73	1.51	----
944128	3/8X1/4	2.08	3.04	0.73	1.51	----
944130	3/8X3/8	2.12	3.06	0.73	1.51	----
944139	1/2X1/2	2.15	3.19	0.73	1.51	----



HOSE BARB X FEMALE

PART #	SIZE	A	B	C	D	
944136	1/4X1/4	1.97	2.87	0.73	1.55	----



HOSE BARB X HOSE BARB

PART #	SIZE	A	B	C	D	
944142	1/4X1/4	2.47	3.19	0.73	1.55	----
944134	3/8X3/8	2.47	3.18	0.73	1.55	----

LEAD FREE

PART #	SIZE	A	B	C	D	
944142LF	1/4	2.49	3.19	0.73	1.55	----
944134LF	3/8	2.47	3.18	0.73	1.55	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

VALVES

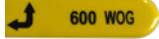
3 WAY BALL VALVE
VALVES

SIDE OUTLET 3-WAY BALL VALVE

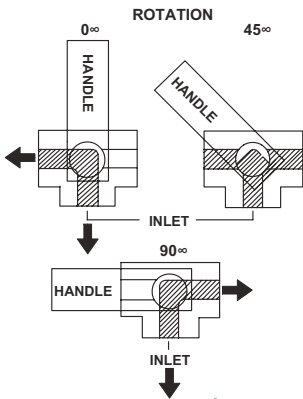
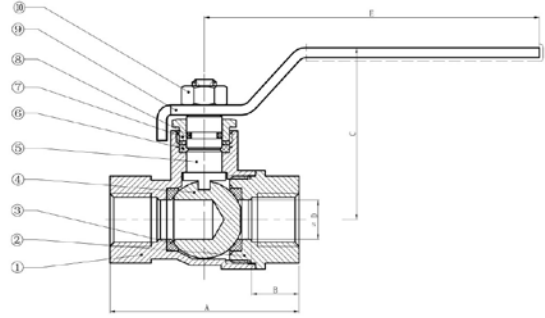
- BRASS • 600WOG • FULL PORT



- Forged Brass
- 600 WOG
- Temp Rating 0-230°F
- 150 SWP



• Side outlet



- Full Port
- Blow-out proof stem
- double o-ring stem packing
- PTFE Seal
- Made in China
- Not lead free

Nomenclature & Materials

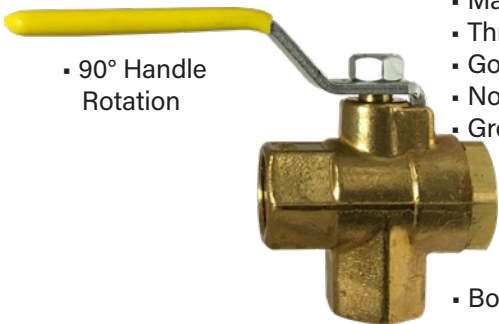
NO	Part Name	Material	Qty
1	Body	Brass	1
2	End Cap	Brass	1
3	Ball Seat	PTFE	1
4	Ball	Brass	1
5	Stem	Brass	2
6	Seal	PTFE	1
7	Impacted Nut	Brass	1
8	O-Ring	NBR	2
9	Lever Handle	Steel	1
10	Stem Nut	Steel	1

PART#	SIZE	I	H	D	L	A	WTG	BOX/CASE	
940464	1/4"	1.89	1.73	0.39	3.58	0.47	0.51	50/100	----
940465	3/8"	1.89	1.73	0.39	3.35	0.47	0.57	50/100	----
940461	1/2"	2.11	1.80	0.50	3.58	0.51	0.65	30/60	----
940462	3/4"	2.56	2.16	0.74	4.31	0.55	0.99	20/40	----

BOTTOM OUTLET 3 WAY BALL VALVE

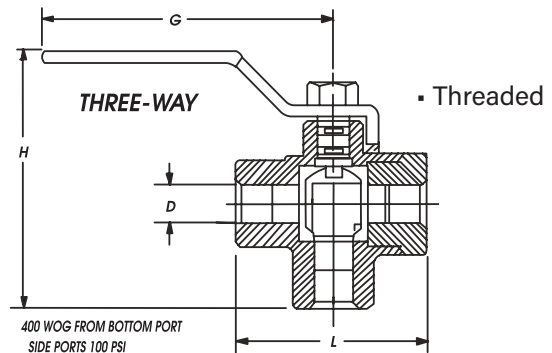
- Forged Brass
- Bottom Port is inlet 400 psi
- Side Ports are inlet 100 psi

- Polytetrafluoroethylene ball seats
- Double O-Ring Stem Seals - primary seal is Fluoroelastomer secondary seal is Aflas
- Blow out proof stem
- Made in USA
- Threaded ports
- Good for propane
- Not lead free
- Great for diesel fuel



• 90° Handle Rotation

• Bottom outlet



PART#	SIZE	D	G	H	L	CV	WTG	
940121	1/4"	.44	3.50	3.12	2.25	5.2	0.76	----
940122	3/8"	.50	3.50	3.12	2.25	5.5	0.69	----
940123	1/2"	.50	3.50	3.12	2.25	5.5	1.00	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

MISCELLANEOUS VALVES

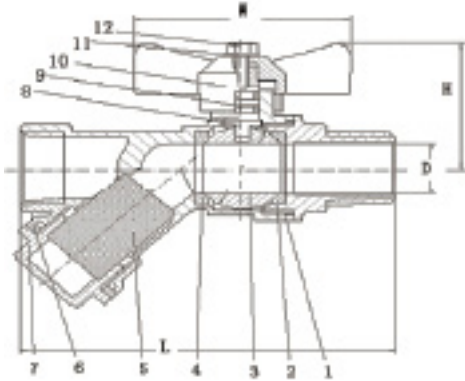
VALVES

BRASS BALL VALVE WITH STRAINER

All-in-One design for economical ,compact and convenient .With stamped stainless Steel Screen . 600PSI WOG Forged brass body,Crome plated ball ,PTFE ball seats and cap seal , and rubber o-ring stem seals. Not lead free



Part #	Part Name	Material
1	Body	Brass
2	Caps	Brass
3	Ball	Brass,Cr.Plated
4	Seat	PTFE
5	Filter	SS
6	Gasket	PTFE
7	Caps	Brass
8	Stem	Brass
9	O-Ring	Fluoroelastomer
10	Handle	Zinc
11	Spring Washer	S.S



PART #	SIZE	L	D	W	H	WTG	BOX/CASE	
947133	1/2"x1/2"(MxF)	3.77"	0.59"	2.00"	1.50"	0.60	8/64	----
947134	3/4"x3/4"(MxF)	4.32"	0.75"	2.40"	1.85"	1.00	8/64	----

RADIATOR AIR VALVE COIN SLOT OR LOSSE KEY



PART #	SIZE	
943284	1/8" MIP	----
943287	Key only	----

ANGLE SILLCOCKS 3/4" HOSE THREAD OUTLET

- Notched flange for convenient installation.
- Heavy brass construction.
- Cast Iron handle.
- Not lead free



PART #	FEMALE IPS		
	SIZE	BOX	
942142	1/2	12	----

HOSE BIBBS 3/4" HOSE THREAD OUTLET



PART #	SIZE	WTG	IPS	
			BOX/CASE	
942170	1/2 (1/2"C)	0.33	10/100	----
942171	3/4	0.35	10/100	----

BENT NOSE GARDEN VALVES

- Heavy brass construction
- Cast iron handle
- Stuffing box
- Neoprene seal disc

PART #	SIZE	BOX	CASE	
942100	1/2"	12	72	----
942101	3/4"	12	72	----
942102	1"	12	72	----



WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRASS GATE VALVE

VALVES

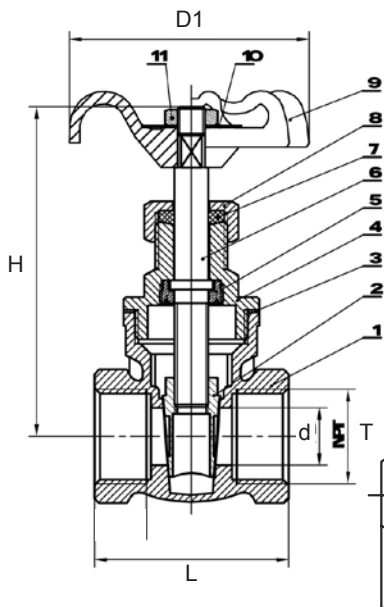
BRASS GATE VALVE

• BRASS • 200WOG • FULL PORT

- 200 WOG (cold water, oil, gas).
- Full-port design for a better water flow.
- Screw-in Bonnet - Non-Rising Stem - Solid Wedge
- NPT Threaded ends to ANSI B1.20.1
- Cast iron handle.
- Each valve individually air tested under water.
- Good for diesel fuel.
- Made in Indonesia
- Not lead free
- Temp. 32°-320°F

**BRASS GATE VALVES IPS**

PART#	SIZE	L	H	D1	D	T	S1	WEIGHT	BOX/CASE	
940130	1/4	1.64	2.91	2.09	0.44	1/4-18 NPT	.85	0.60	10/120	----
940131	3/8	1.71	2.91	2.09	0.48	3/8-18 NPT	.85	0.59	10/120	----
940132	1/2	1.71	2.91	2.09	0.50	1/2-14 NPT	1.03	0.75	10/120	----
940133	3/4	1.71	3.06	2.13	0.74	3/4-14 NPT	1.26	0.83	10/80	----
940134	1	2.13	3.60	2.48	0.97	1-11.5 NPT	1.51	1.24	5/60	----
940135	1-1/4	2.24	4.50	2.66	1.22	1-1/4-11.5 NPT	1.89	1.69	5/40	----
940136	1-1/2	2.44	5.08	3.15	1.45	1-1/2-11.5 NPT	2.17	2.17	5/30	----
940137	2	2.70	5.94	3.52	1.85	2-11.5 NPT	2.60	3.30	2/12	----
940138	2-1/2	3.70	7.87	3.98	2.48	2-1/2-8 NPT	3.27	6.26	1/10	----
940139	3	4.02	8.82	4.37	2.80	3-8 NPT	3.86	8.26	1/4	----
940140	4	4.53	9.88	4.74	3.60	4-8 NPT	4.88	13.09	1/4	----



	Description	Material
1	Body	C85700
2	Disk	C85700
3	Seat	PTFE
4	Cap	C85700
5	Packing	C85700
6	Stem	C85700
7	Rubber Seat	NBR
8	Packing Nut	C85700
9	Handle	Cast Iron
10	Nameplate	AL

Crown handle

1/2-1/4

**X handle**

1/2-1/4



Add "C" to part# for Crown handle,
"X" for X handle.

Also Available SS Gate
Valve

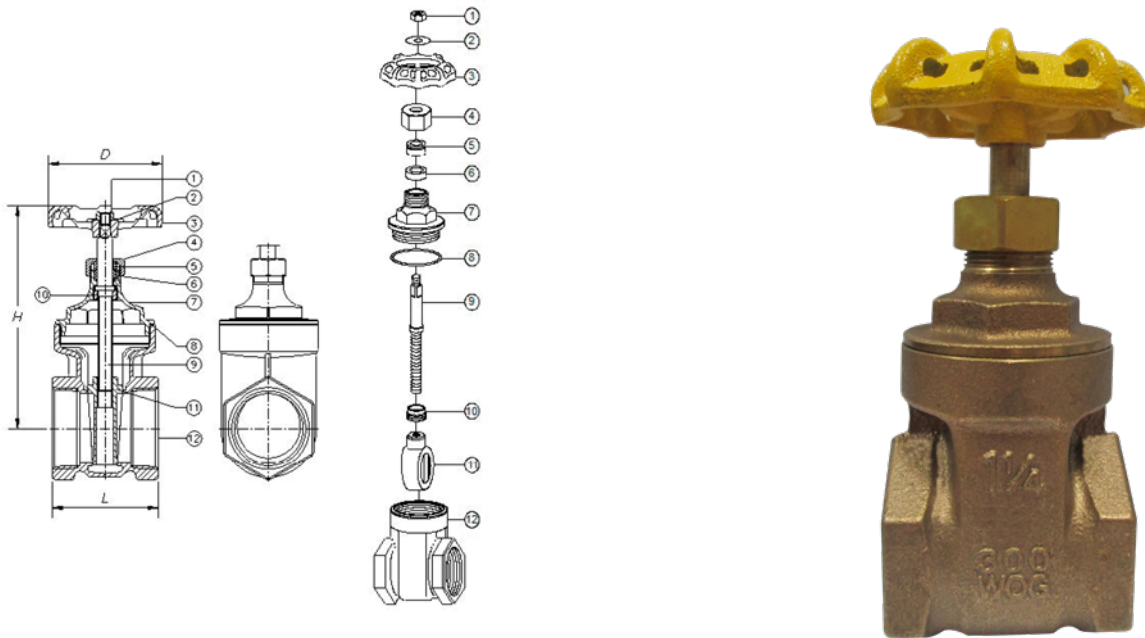


See Lead Free for lead free Gate
Valves.



WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BRONZE IPS GATE VALVE



BRONZE GATE VALVE

NUMBER	PART	MATERIALS	NOTE
1	NUT	HOT ROLLED (SAE 1010R)	
2	NAME PLATE	ALUMINUM	
3	HANDLE	CAST IRON (JIS Z22202)	
4	PACKING NUT	BRASS ROD (C37700)	
5	GLAND RING	BRASS ROD (C37700)	Size 1-1/4" ~ 4"
6	PACKING	GRAPHITE (LK 33 NAFG)	
7	BONNET	CAST BRONZE (C83600)	
8	PACKING	FIBRE	Size 2" ~ 4"
9	STEM	BRASS ROD (C37700)	Size 1/4" ~ 2"
		CAST BRONZE (C83600)	Size 2-1/2" ~ 4"
10	LOCKNUT	BRASS ROD (C37700)	
11	DISC	CAST BRONZE (C83600)	
12	BODY	CAST BRONZE (C83600)	

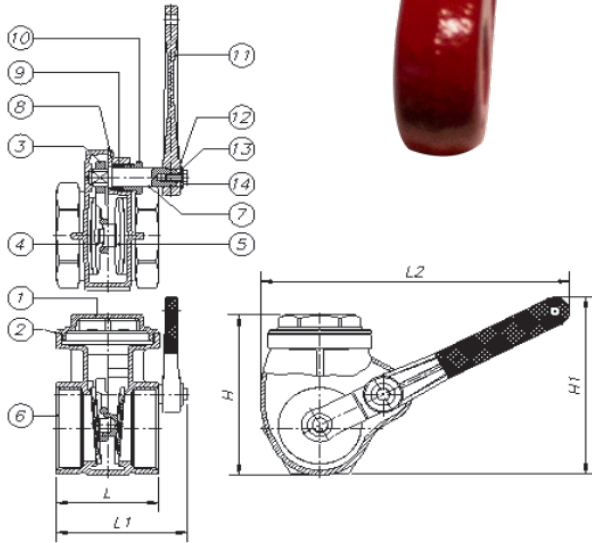
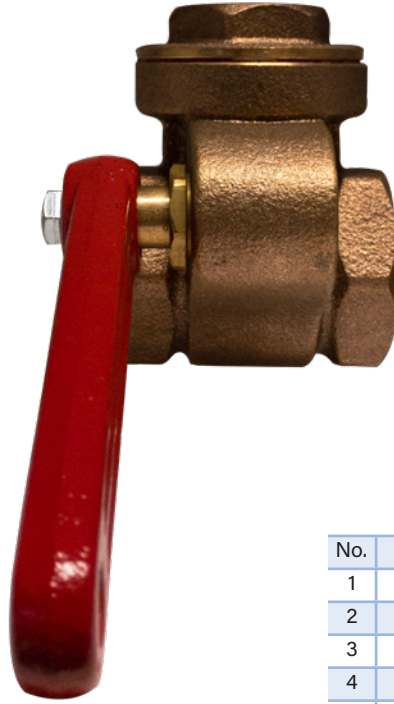
PART#	SIZE	DIMENSION (MM)		
		D	H	L
	1/4" FIP	53	74	43.5
	3/8" FIP	53	74	43.5
939132	1/2" FIP	53	74	43.5
939133	3/4" FIP	54	84	46
939134	1" FIP	63	99	54
939135	1-1/4" FIP	69	117	57
939136	1-1/2" FIP	80	129	62
939137	2" FIP	89.5	152	68.5
939138	2-1/2" FIP	101	200	94
939139	3" FIP	111	224	102
939140	4" FIP	127	251	115

QUICK OPENING GATE VALVE

VALVES

GATE VALVE QUICK OPENING

Features: Bronze Material, Threaded Ends, 200 WOG

**MATERIAL SPECIFICATION**

No.	Part	Bronze
1	BONNET	BRASS (C85700)
2	PACKING	FIBRE
3	ARM	BRASS (C85700)
4	DISC MALE	BRASS (C85700)
5	DISC FEMALE	BRASS (C85700)
6	BODY	BRASS (C85700)
7	STEM	BRASS (C37700)
8	WASHER	BRASS (C37700)
9	PACKING	Polytetrafluoroethylene POLYFLON(PTFE M-392)
10	PACKING NUT	BRASS (C37700)
11	HANDLE	CAST IRON (JIS ZZ2202) RUBBER COATING BRASS (C85700)
12	NAME PLATE	ALUMINIUM (A1100)
13	WASHER	HOT ROLLED (SAE 1010R)
14	HANDLE BOLT	HOT ROLLED (SAE 1010R)

PART #	SIZE	L	L1	L2	H	H1	BOX	CASE	
941133	1/2"	45.6	60.6	119	56.8	52.8	10	50	----
941134	3/4"	51	62	126.3	68	87.5	10	50	----
941135	1"	58.3	72.3	155	78.7	90.2	10	30	----
941136	1-1/4"	30.1	78	180.2	89.5	104	5	25	----
941137	1-1/2"	66.7	85.3	196.6	99.2	131	6	18	----
941138	2"	76.4	90.3	250.6	119.3	143.7	2	10	----
941140	3"	101	129.2	305.6	172.2	191.3	2	6	----
941141	4"	114.5	150.7	378.2	213.5	248.6	1	2	----

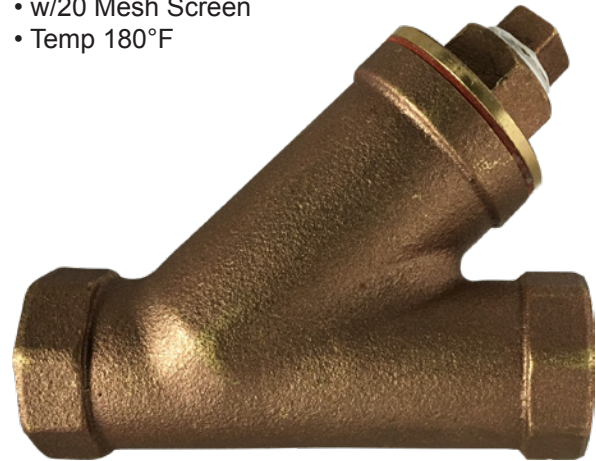
Ignorance, the root and stem of all evil. - Plato

Y-PATTERN STRAINER

VALVES

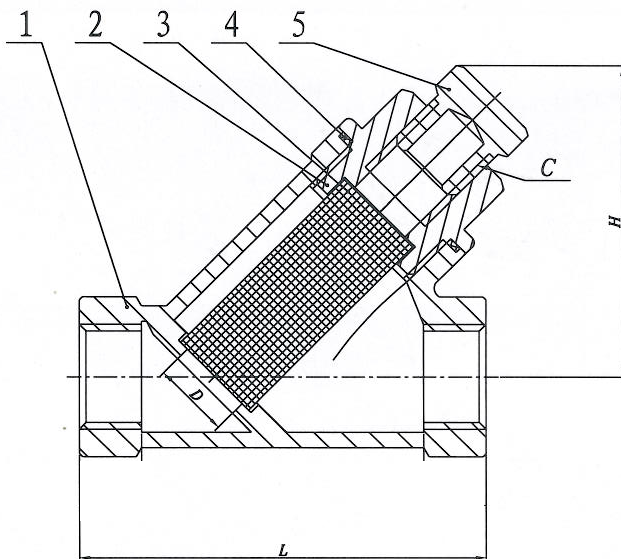
CLASS 150 BRASS Y-PATTERN STRAINER

- Forged Brass body, size 1/4"-3".
- Pressure rating: 250 WOG (water, oil, gas)/PN25
125 WSP (Saturated Stem)
- NPT Threaded ends to ANSI B1.20.1
- Protects regulators, pumps, meters and other controls from damage due to sediment scale, metal chips or other foreign materials.
- Screwed cap is threaded & gasketed.
- Tapped drain plug opening in cap.
- 304 stainless steel screen #20 mesh.
- Self cleaning.
- Self cleaning can be accomplished by opening the valve or plug connected to the blow-off outlet.
- Made in Indonesia
- NOT LEAD FREE
- w/20 Mesh Screen
- Temp 180°F



PART#	SIZE	L	H	C (PLUG)	WEIGHT	BOX/CASE	
940521	1/4"	2.57	1.95	NPT 3/8	.53	10/100	----
940522	3/8"	3.23	2.44	NPT 3/8	.71	12/48	----
940523	1/2"	3.23	2.44	NPT 3/8	.66	12/48	----
940524	3/4"	3.94	2.78	NPT 3/8	1.10	8/32	----
940525	1"	4.53	3.19	NPT 1/2	1.71	8/32	----
940526	1-1/4"	5.33	3.66	NPT 1/2	2.49	6/24	----
940527	1-1/2"	6.20	3.82	NPT 1/2	3.24	2/16	----
940528	2"	7.44	4.65	NPT 1/2	5.39	2/8	----
940529	2-1/2"	9.50	5.39	NPT 3/4	9.56	1/6	----
940530	3"	9.4	5.67	NPT 3/4	13.49	1/4	----

Add 'S' to part # for replacement screens



See Lead Free for 1/2" Lead Free



See Lead Free for SS Y Strainer

NO	Name	Material
1	BODY	C85700
2	BONNET	C85700
3	STRAINER	304 S.S.
4	SPRING SEAL	PTFE

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

VALVES

BRASS SWING CHECK VALVES

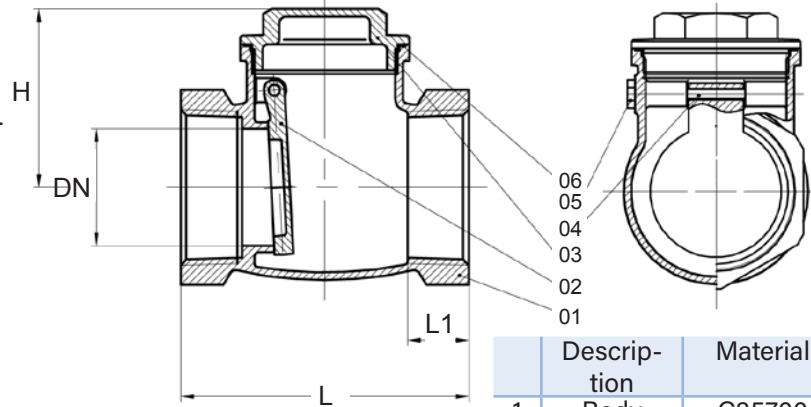
VALVES

BRASS SWING CHECK VALVES

- Working pressure non-shock: 200 psi W.O.G. (cold water, oil, gas) 125 psi WSP (saturated steam)
- Swing type disc.
- Screwed Cap.
- Hard Seat.
- 90° Straight Pattern.
- Used to prevent reverse flow in commercial and industrial applications.
- Threaded ends to ANSI B1.20.1

- Integral seat.
- Temp range -5° - 150F°
- NOT LEAD FREE
- Cracking pressure 3-5 psi

- Made in Indonesia



	Description	Material
1	Body	C85700
2	Disc	C85700
3	Cap	C85700

CAST BRASS SWING CHECK VALVES IPS SCREWED ENDS

PART #	SIZE	L	H	L1	DN	WEIGHT	BOX/CASE	
940352	1/2	2.09	1.42	0.531	0.512	.41	10/100	----
940353	3/4	2.36	1.56	0.579	0.728	.56	10/80	----
940354	1	2.62	1.77	0.748	0.925	.80	8/40	----
940355	1-1/4	3.19	2.07	0.748	1.201	1.36	5/40	----
940356	1-1/2	3.54	2.16	0.846	1.417	1.56	5/20	----
940357	2	4.21	2.74	0.886	1.772	2.61	2/16	----
940358	2-1/2	5.14	3.09	1.063	2.224	4.55	1/8	----
940359	3	5.77	3.80	1.102	2.579	6.53	1/6	----
940360	4	6.84	4.25	1.102	3.602	10.18	1/4	----



See Lead Free Brass Swing Check Valves



See SS Swing Check Valves

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

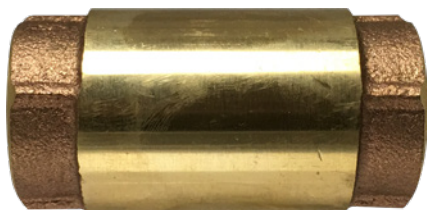
BRASS CHECK VALVES

VALVES

BRASS CHECK VALVES

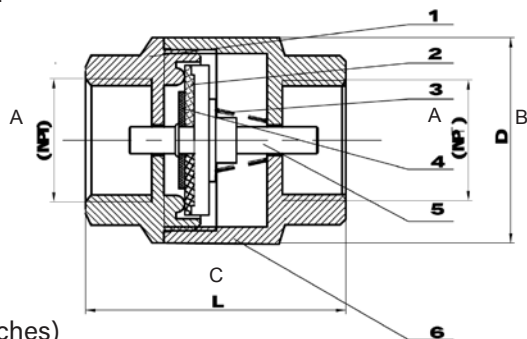
S.S. SPRING LOADED BRONZE POPPET - For positive sealing & self-cleaning. Insures against leakage.

- Inline Lift Type - Resilient Discs - Spring Actuated - Threaded.
- Pressure rating: 200 WOG (water, oil, gas) / 125 WSP (Saturated Steam)
- Spring in stainless steel AISI 304. • Resilient washer hold/ disc in brass. • Forged Brass Body for 1/2"-2"
- Corrosion resistant material. • Can be used vertically or horizontally. • Opens & Closes with flow of media.
- No cracking pressure. • NOT LEAD FREE • Made in Indonesia



1/4 Made in Taiwan

Temp Range
-10°C - 110°C
14°F - 248°F



Brass Check Valve (Inches)

Part#	Size	Enters Pipe Size	A NPT	B	C	Weight	Box/Case	
944428	1/4"	-	1/4"	1.00	2.29	.24	24/192	----
944429	3/8"	-	3/8"	1.00	2.07	.23	10/100	----
944430	1/2"	1-1/4"	1/2"	1.26	2.40	.42	10/100	----
944431	3/4"	1-1/4"	3/4"	1.45	2.74	.53	10/80	----
944432	1"	2"	1"	1.77	3.23	.85	6/48	----
944433	1-1/4"	2-1/2"	1-1/4"	2.13	3.62	1.18	4/40	----
944434	1-1/2"	3"	1-1/2"	2.29	4.04	1.40	5/30	----



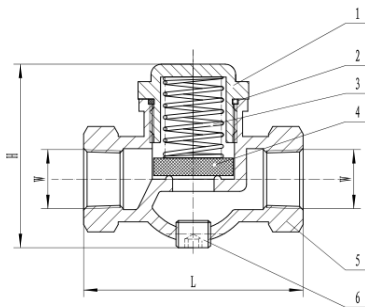
• See Lead Free Brass Check Valves



• See SS Check Valves

IN LINE CHECK VALVES VERTICAL OR HORIZONTAL

- Working Pressure: 250 PSI • Temperature Range: -40° to 450°F (-40° to 230°C)
- Cracking Pressure: 3 PSI • Made in China • Not lead free
- Applications: Air Compressor Discharge Lines, may also used on water or oil lines
- Construction: Cast Bronze Body, Corrosion Resistant Stainless Steel Spring to Ensure Long Life, 15% Glass Filled • Polytetrafluoroethylene Poppet, C360 Machined Brass Cap, 1/8 NPT Unloader Port is Standard • Repairable



Part#	Part Name	Material
6	Plug	Brass
5	Body	Bronze
4	Gasket	PTPF
3	Spring	S.Steel
2	O-ring	HNBR
1	Cap	Brass

PART #	SIZE	W	L	H	WTG	BOX/CASE	
947140	1/8"	1/8	1.75	1.34	0.28	20/100	----
947141	1/4"	1/4	1.75	1.37	0.29	20/100	----
947142	3/8"	3/8	2.50	2.18	0.62	10/50	----
947143	1/2"	1/2	2.50	2.13	0.54	10/50	----
947144	3/4"	3/4	2.88	2.64	1.17	8/40	----
947145	1"	1	3.61	3.30	1.98	2/20	----

BRASS IN-LINE CHECK VALVES

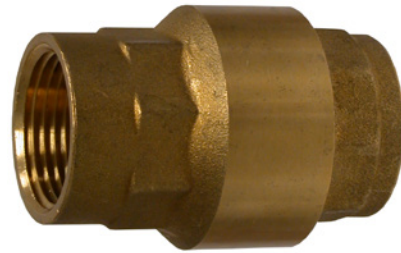
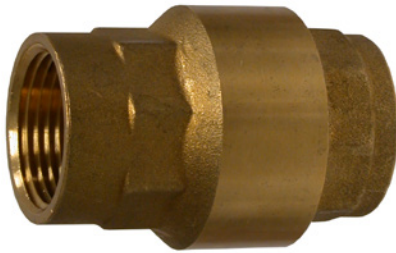
VALVES

BRASS IN-LINE CHECK VALVES**High Capacity, Size 1/4"-2" 400 WOG, 2 1/2"-4" 175 WOG**

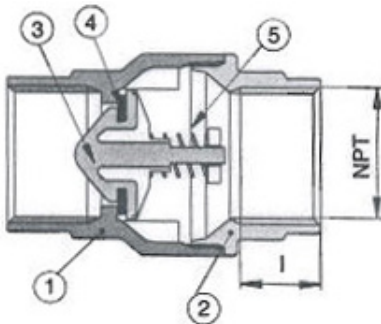
- Soft Seat for Bubble Tight Shutoff, Spring Loaded for Fast Seating Action.
- Compact design.
- Low Cracking Pressure 1/2 psi.
- Flow Profile Designed to Minimize Head Loss.
- Perfect Seating both at High and Low Pressure, Wide Temperature Range: +10° to 210°F.
- Polyetherimide Disc to ensure the Best Resistance For Corrosion and Abrasion.
- Patented Disc Guide to Prevent Any Side Loading.
- Connection: FNPT x FNPT.
- Made in Italy ▪ Not lead free

NBR for water, oils and general purpose.

With Fluoroelastomer® Seal for fuels and hydrocarbons. Max working TEMPERATURE 325°F/125 psi steam

Add V to part# for Fluoroelastomer**BRASS IN-LINE CHECK**

PART#		SIZE	I	PSI	LBS	CASE	FLUOR PART#	
944401	----	1/4"	0.39	400	0.22	144		
944402	----	3/8"	0.40	400	0.18	144	944402V	----
944403	----	1/2"	0.60	400	0.32	144	944403V	----
944404	----	3/4"	0.65	400	0.49	90	944404V	----
944405	----	1"	0.66	400	0.71	90	944405V	----
944406	----	1-1/4"	0.68	400	1.13	30	944406V	----
944407	----	1-1/2"	0.68	400	1.53	30	944407V	----
944408	----	2"	0.69	400	2.28	12	944408V	----
944409	----	2-1/2"	0.93	175	4.83	4	944409V	----
944410	----	3"	1.01	175	6.70	4	944410V	----
944411	----	4"	1.09	175	12.43	2	944411V	----



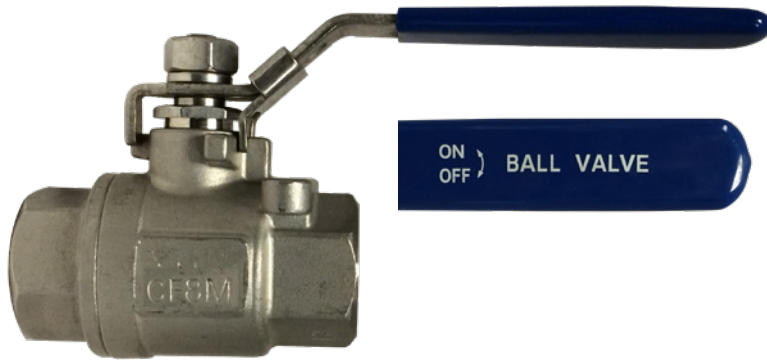
NO	Part	Material	PCS
1	BODY	BRASS	1
2	END CONNECTION	BRASS	1
3	DISC	POLYETHERIMIDE	1
4	SEAT	100002 NBR	1
		100003 Fluoroelastomer	1
5	SPRING	STAINLESS STEEL	1

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

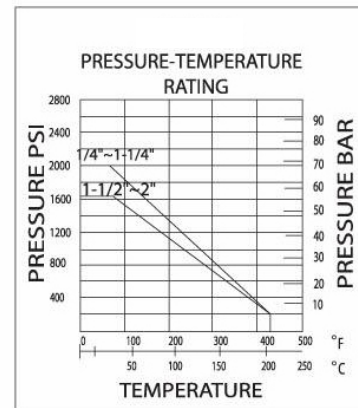
316 SS FULL PORT VALVES

316 SS 2-PC BALL VALVE, FULL PORT, THREADED END, 2000 PSI

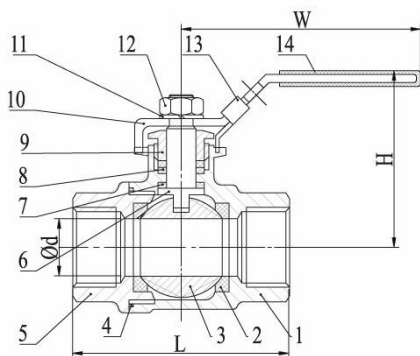
- Investment Castings for body and cap.
- Internal Entry blow-out proof stem.
- Pressure rating: 2000PSI.
- Threaded Ends: ANSI B2,1
- Material: CF8M (316SS)
- Pressure test: API 598
- Generic Handles



LOCKING HANDLE



PART#	SIZE	D	L	H	W	N.M	LBS/ PC	CASE	
949171	1/4"	0.36	2.13	2.13	4.33	.157	0.64	80	----
949172	3/8"	0.50	2.13	2.16	4.33	.157	0.58	80	----
949173	1/2"	0.59	2.24	2.28	4.53	.197	0.71	70	----
949174	3/4"	0.79	2.76	2.40	4.53	.315	1.18	50	----
949175	1"	0.98	3.50	3.03	6.04	.394	2.33	30	----
949176	1-1/4"	1.25	4.12	3.19	6.04	.551	3.48	20	----
949177	1-1/2"	1.50	4.05	3.54	6.10	.709	4.03	14	----
949178	2"	1.96	4.90	4.25	6.10	.984	7.50	7	----



NO	Part	Material	QTY
1	BODY	316SS	1
2	BALL SEAT	PTFE	2
3	BALL	316SS	1
4	BODY SEAL	PTFE	1
5	CAP	316SS	1
6	STEM	SS316	1
7	THRUST WASHER	PTFE	1
8	PACKING	PTFE	1
9	GLAND NUT	SS304	1
10	HANDLE	SS304	1
11	WASHER	SS304	1
12	NUT	SS304	1
13	LOCK DEVICE	SS304	1
14	HANDLE COVER	PLASTIC	1

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

316 SS STANDARD PORT VALVES

VALVES

ONE PIECE STANDARD PORT BALL VALVE

316 Stainless Steel

1000 PSI

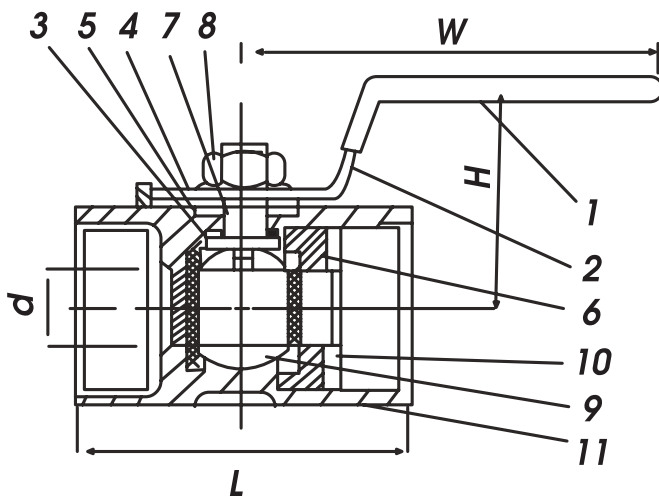
- Manufactured for harsh environments with female NPT threads.
- Locking handle for greater security.
- Standard port has restricted flow.
- Made with corrosion resistant stainless steel materials.
- PTFE seat and seals.
- Investment Castings for Body and Cap.
- Internal Entry Blow-out proof stem.
- Pressure rating: 1000PSI (PN63)
- Threaded Ends: ANSI B2.1
- Material: CF8M
- Pressure Test: API 598
- Generic handles

**LOCKING HANDLE**

Valves will accept a pad-lock on the handle.

PART#	SIZE	D	L	H	W	dimensions (inches)		
						WEIGHT	CASE	
949101	1/4"	0.20	1.53	1.53	3.03	0.19	150	----
949102	3/8"	0.27	1.74	1.53	3.03	0.23	150	----
949103	1/2"	0.36	2.24	1.73	3.46	0.41	100	----
949104	3/4"	0.50	2.32	1.89	3.46	0.63	70	----
949105	1"	0.59	2.80	2.24	4.29	0.86	50	----
949106	1-1/4"	0.79	3.07	2.32	4.29	1.34	30	----
949107	1-1/2"	0.98	3.26	2.76	5.14	2.00	25	----
949108	2"	1.25	3.94	2.24	6.50	2.88	15	----

Larger sizes available on special order basis



Item	Parts	Material
1	Plastic Cover	Plastic
2	Handle	AISI 304 SS
3	Thrust Washer	PTFE
4	Packing Ring	AISI 304 SS
5	Stem Packing	PTFE
6	Seat	PTFE
7	Seat	AISI 316 SS
8	Stem Nut	AISI 304 SS
9	Ball	316SS ASTM-A351 CF8M
10	Cap	316SS ASTM-A351 CF8M
11	Body	316SS ASTM-A351 CF8M

SS = Stainless Steel

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



316 SS TWO PIECE FULL PORT VALVES

VALVES

TWO PIECE FULL PORT BALL VALVE

316 Stainless Steel

1000 PSI

Materials: CFM8M (SS316)

Features:

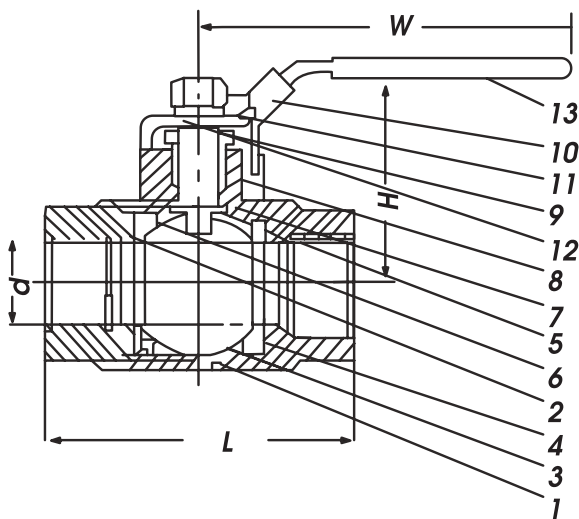
- Quality manufactured for harsh environments.
- Corrosion resistant.
- Investment Casting body
- Working pressure 1000 psi for W.O.G.
- Adjustable stem packing
- Pure Polytetrafluoroethylene seals and seats
- Temperature range: -60 to 450°F
- Blow-out proof stem and safe pressure-reducing hole
- 100% leakage tested at 100 psi air under water
- Hydrostatic test pressure: 1500 psi
- Locking handle w/ blue generic sleeve
- 125 Steam rated
- Generic Handles



Valves will accept a pad-lock on the handle.

dimensions (inches)

PART#	SIZE	D	L	H	W	WEIGHT	CASE	
949161	1/4"	0.36	2.13	2.13	4.33	0.51	80	----
949162	3/8"	0.50	2.13	2.16	4.33	0.49	80	----
949163	1/2"	0.59	2.24	2.28	4.17	0.69	70	----
949164	3/4"	0.79	2.68	2.40	4.17	1.03	50	----
949165	1"	0.98	3.15	2.50	4.88	1.40	30	----
949166	1-1/4"	1.26	3.58	3.19	5.04	2.17	20	----
949167	1-1/2"	1.49	4.05	3.54	6.10	3.33	12	----
949168	2"	1.97	4.88	4.25	6.13	6.02	7	----
949170	3"	3.15	7.28	5.71	9.06	21.01	2	----
949180	4"	3.94	8.84	7.28	11.10	36.18	1	----



Dimensions may change without notice. Please see our website if they are critical.

Item	Parts	Material
1	Body	316SS ASTM-A351 CF8M
2	Body Cap	316SS ASTM-A351 CF8M
3	Ball	316SS ASTM-A351 CF8M
4	Seat	Reinforced PTFE
5	Stem	AISI 316 SS
6	Seal	Reinforced PTFE
7	Thrust Washer	Reinforced PTFE
8	Packing	Reinforced PTFE
9	Gland Nut	AISI 304SS
10/11	Nut & Washer	AISI 304SS
12	Handle	AISI 304SS
13	Plastic Cover	Plastic

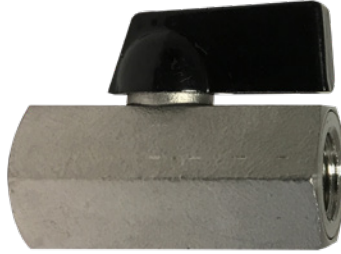
SS = Stainless Steel

316 SS MINI BALL VALVES

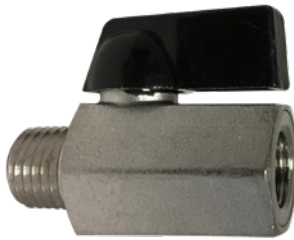
VALVES

STAINLESS STEEL MIN BALL VALVES

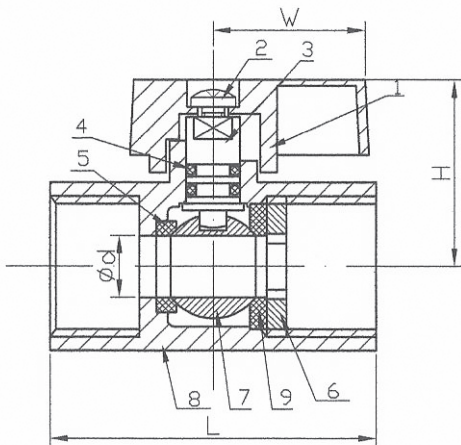
- 316 Stainless Steel
- Working pressure 400PSI
- Working Temperature -10°C to 150°C

**FEMALE PIPE x FEMALE PIPE**

PART#	SIZE	W	D	H	L	WEIGHT	CASE	
46934SS	1/8"	.898	.197	.985	1.693	.18	150	----
46935SS	1/4"	.898	.276	.984	1.693	.21	150	----
46936SS	3/8"	.898	.276	.984	1.693	.19	150	----
46937SS	1/2"	.898	.362	1.114	1.811	.26	100	----

**MALE PIPE x FEMALE PIPE**

PART#	SIZE	W	D	H	L	WEIGHT	CASE	
46930SS	1/8"	.898	.197	.985	1.693	.18	150	----
46931SS	1/4"	.898	.276	.984	1.693	.18	150	----
46932SS	3/8"	.898	.276	.984	1.693	.19	150	----
46933SS	1/2"	.898	.362	1.114	1.811	.26	100	----



NO	Part	Material	QTY
1	LEVER	ALUMINIUM ALLOY	1
	HANDLES	PLASTIC	
2	BOLT	304	1
3	STEM	304/ 316	1
4	"O" RING	NBR	1~2
5	BALL SEAT (A)	PTFE	1
6	CAP	CF8/ CF8M	1
7	BALL	CF8/ CF8M	1
8	BODY	CF8/ CF8M	1
9	BALL SEAT (B)	PTFE	1

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



316 SS MINI BALL VALVES

VALVES

MINI STAINLESS STEEL BALL VALVE ,WITH BUTTERFLY HANDLE

1000PSI WOG , 150PSI WSP

Temperature Range: -36°F to + 368°F

Full Port for 1/4" , Standard port for 3/8" and 1/2"

316 Stainless Steel body and Ball

Polytetrafluoroethylene seats and sealing

• Fluoroelastomer O-Ring

• #316 Stainless Steel

• Made in China



FEMALE PIPE X FEMALE PIPE

PART #	SIZE FIP X FIP	DIMENSIONS IN						
		D	L	B (HEX)	H	WTG	BOX	
46922SS	1/4"×1/4"	0.314"	2.34"	22.1/0.87"	1.5"	0.33	36	----
46923SS	3/8"×3/8"	0.314"	2.39"	22.1/0.87"	1.5"	0.39	36	----
46924SS	1/2"×1/2"	0.314"	2.81"	24.9/0.98"	1.5"	0.43	36	----



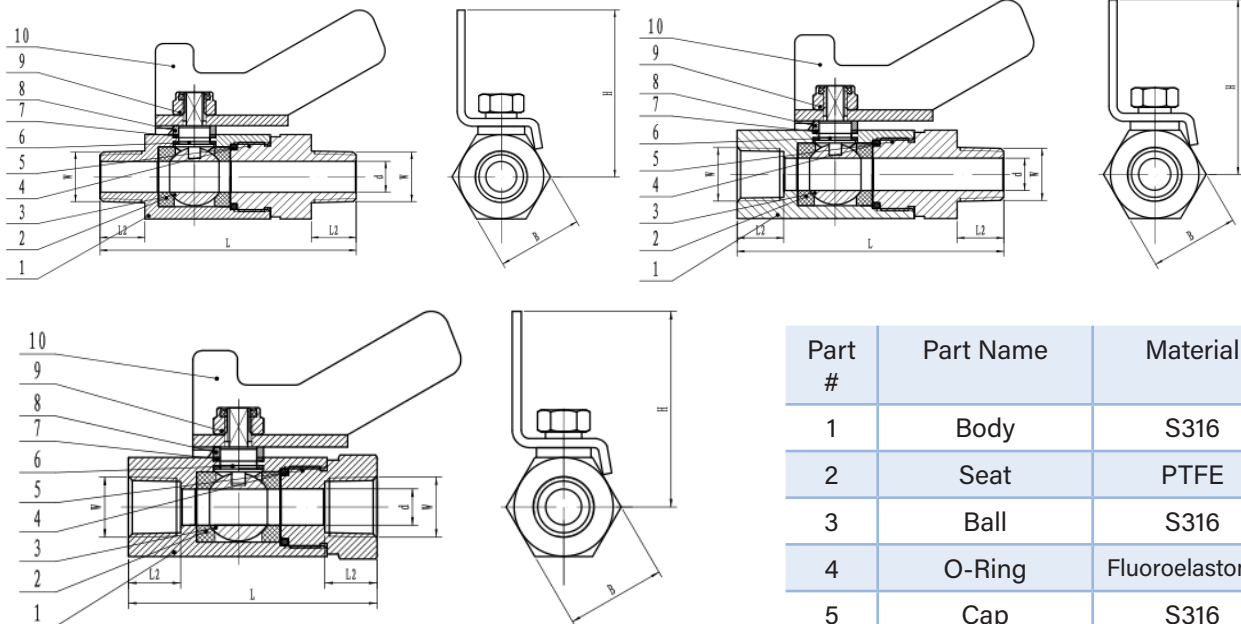
MALE PIPE X FEMALE PIPE

PART #	SIZE MIP X FIP	DIMENSIONS IN						
		D	L	B (HEX)	H	WTG	BOX	
46903SS	1/4"×1/4"	0.314"	2.45"	0.87"	1.5"	0.39	36	----
46904SS	3/8"×3/8"	0.314"	2.45"	0.87"	1.5"	0.36	36	----
46905SS	1/2"×1/2"	0.314"	2.81"	0.98"	1.5"	0.41	36	----



MALE PIPE X MALE PIPE

PART #	SIZE MIP X MIP	DIMENSIONS IN						
		D	L	B (HEX)	H	WTG	BOX	
46912SS	1/4"×1/4"	0.314"	2.59"	0.87"	1.5"	0.33	36	----
46913SS	3/8"×3/8"	0.314"	2.65"	0.87"	1.5"	0.34	36	----
46914SS	1/2"×1/2"	0.314"	2.47"	0.98"	1.5"	0.63	36	----



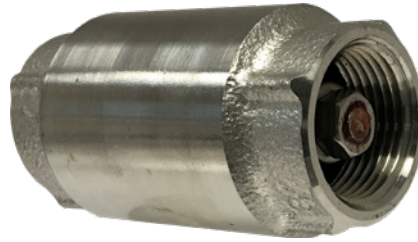
Part #	Part Name	Material
1	Body	S316
2	Seat	PTFE
3	Ball	S316
4	O-Ring	Fluoroelastomer
5	Cap	S316
6	Stem	S316
7	Stem Bottom Seal	PTFE
8	Stem Up Seal	PTFE

304 SS CHECK VALVES

VALVES

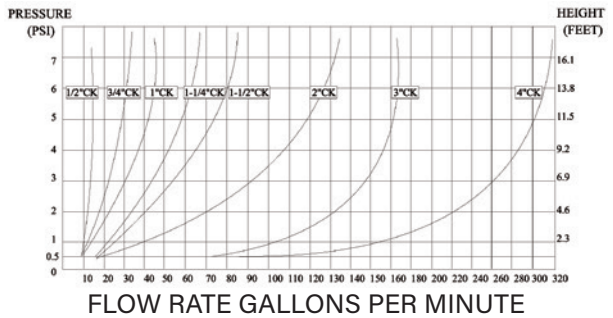
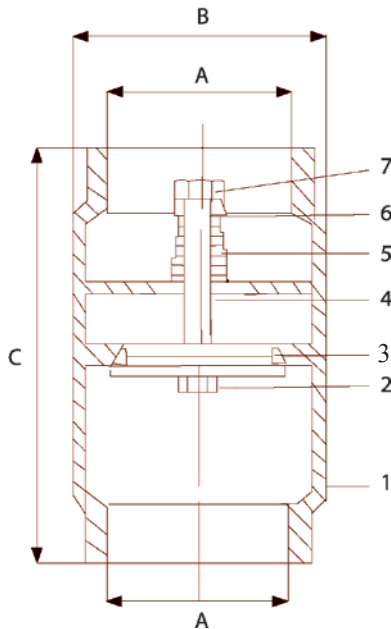
#304 STAINLESS STEEL**CHECK VALVE**

- No Lead.
- Water wells need a check valve installed above the pumps between lengths of drop pipes.
- Opens & Closes with flow of media.
- No cracking pressure.
- Working pressure unavailable.
- Made in Taiwan

**DIMENSIONS (INCHES)**

PART#	SIZE	A NPT	B	C	BOX/CASE	
949430	1/2"	1/2"	1.26	2.43	10/100	----
949431	3/4"	3/4"	1.50	2.72	10/80	----
949432	1"	1"	1.77	3.23	10/60	----

More sizes available on a special order basis.



NO	Part	Material
1	Body	S.S 304
2	Stopper	S.S 304
3	O-Ring	Fluor
4	Washer	PE
5	Spring	S.S 304
6	Cap	S.S 304
7	Nut	S.S 304

FLUOR* ABBREVIATION FOR FLUOROELASTOMER

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



SS IN-LINE CHECK VALVES

VALVES

STAINLESS STEEL IN-LINE CHECK VALVE

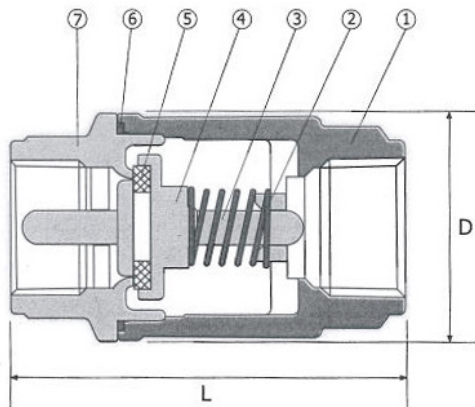
High Capacity, Size 1/4"-2" 800 WOG

- Soft PTFE Seat for Bubble Tight Shutoff, Spring Loaded for Fast Seating Action
- Low Cracking Pressure 1/2 psi.
- Flow Profile Designed to Minimize Head Loss.
- Perfect Seating both at High and Low Pressure, Wide Temperature Range: +10° to 450°F.
- Corrosion Resistant-Excellent for use on Chemicals.
- ASTM A351-CF8M Investment Casting.
- Connection: FNPT x FNPT.
- 125WSP Saturated Steam.
- ANSI B1.20.1 Threads.
- Dual Guided Stem & Disc.
- Made in Italy



STAINLESS STEEL IN-LINE CHECK

PART#	SIZE	D	L	PSI	LBS	
949401	1/4"	1.15	2.25	800	0.36	----
949402	3/8"	1.16	2.25	800	0.34	----
949403	1/2"	1.35	2.31	800	0.40	----
949404	3/4"	1.81	2.87	800	0.85	----
949405	1"	2.13	3.50	800	1.30	----
949406	1-1/4"	2.46	4.18	800	2.50	----
949407	1-1/2"	2.88	4.93	800	3.40	----
949408	2"	3.56	6.00	800	6.0	----



NO	Part	Material	PCS
1	BODY	ASTM A351-CF8M	1
2	SPRING	SS316	1
3	CENTER GUIDE	ASTM A351-CF8M	1
4	DISC	ASTM A351-CF8M	1
5	SEAT	PTFE	1
6	GASKET	PTFE	1
7	END CAP	ASTM A351-CF8M	1

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

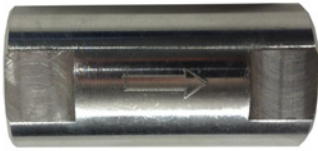
VALVES

316 SS SPRING CHECK VALVES

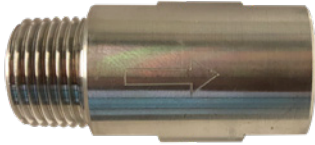
VALVES

SPRING CHECK VALVE

- Working Pressure: 1500PSI (PN100)
- Working Temperature: -10 -150°C
- Opening Pressure: 2~3PSI
- Suitable Medium: W.O.G.
- Threaded End: NPT
- Made in China

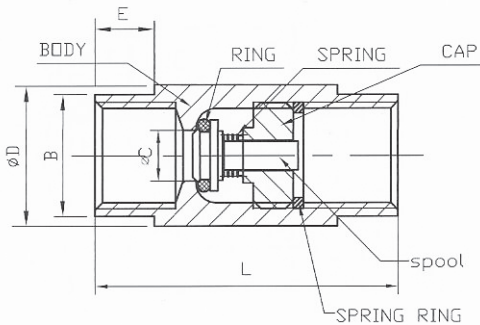
FEMALE PIPE x FEMALE PIPE

PART#	SIZE	L	C	D	B	E	LBS/PC	CASE	
949451	1/4"	2.165	.217	.748	.699	.394	.19	200	----
949452	3/8"	2.165	.295	.866	.787	.394	.21	160	----
949453	1/2"	2.165	.413	1.063	.945	.472	.31	100	----
949454	3/4"	2.677	.591	1.417	1.26	.472	.71	60	----
949455	1"	3.268	.787	1.693	1.496	.591	1.14	36	----

MALE PIPE x FEMALE PIPE

PART#	SIZE	L	C	D	B	E	LBS/PC	CASE	
949471	1/4"	2.165	.217	.748	.699	.394	.176	200	----
949472	3/8"	2.165	.295	.866	.787	.394	.22	160	----
949473	1/2"	2.165	.413	1.063	.945	.472	.27	100	----
949474	3/4"	2.677	.591	1.417	1.26	.472	.62	65	----
949475	1"	3.268	.787	1.693	1.496	.591	1.05	40	----

FLOWS MALE -> FEMALE



NO	Part	Material	QTY
1	BODY	316	1
2	RING	Rubber	1
3	SPRING	304	1
4	CAP	CF8M	1
5	SPOOL	304/316	1
6	SPRING RING	304	1



SEE WEBSITE TO DOWNLOAD YOUR MOST UPDATED PRICING

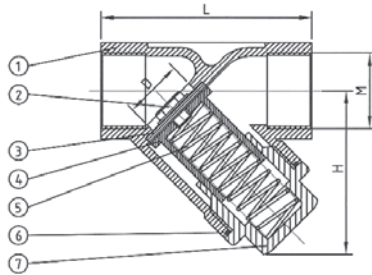
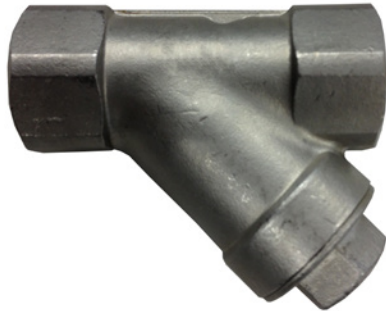
WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

SS Y-SPRING/ BARREL CHECK VALVES

VALVES

Y-SPRING CHECK VALVE

- Working Pressure: 800PSI (PN55)
- Working Temperature: -10 -150°C
- Opening Pressure: 1.5PSI
- Suitable Medium: W.O.G.
- Made in China

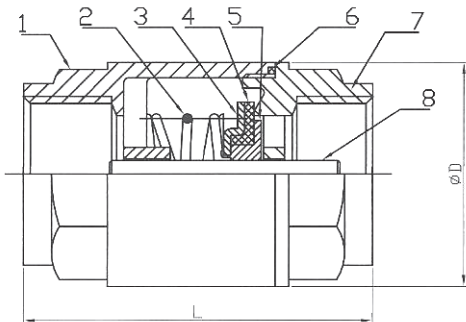


PART#	SIZE	L	H	D	LBS/ PC	CASE	
949481	1/4"	2.559	1.661	.472	.44	70	----
949482	3/8"	2.559	1.661	.472	.51	70	----
949483	1/2"	2.559	1.634	.591	.51	100	----
949484	3/4"	3.15	2.067	.787	.93	80	----
949485	1"	3.543	2.657	.984	1.25	40	----
949486	1-1/4"	4.134	2.795	1.26	2.20	30	----
949487	1-1/2"	4.724	3.169	1.575	3.24	24	----
949488	2"	5.512	3.74	1.969	5.21	10	----

NO	Part	Material	QTY
1	BODY	CF8M/ CF8	1
2	BOLT	304	1
3	SEAT	Polytetrafluoroethylene	1
4	DISC	304	1
5	SPRING	304	1
6	GASKET	Polytetrafluoroethylene	1
7	CAP	CF8M/ CF8	1

2PC BARREL TYPE SPRING CHECK VALVE

- Working Pressure: 300PSI (PN20)
- Working Temperature: -10 -120°C
- Opening Pressure: 2PSI
- Suitable Medium: W.O.G.
- Threaded end: NPT
- Made in China

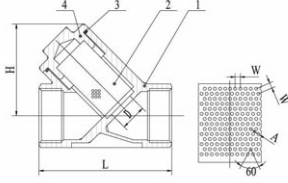


PART#	SIZE	L	D	LBS/ PC	CASE	
949441	1/4"	2.00	1.142	.27	100	----
949442	3/8"	2.00	1.142	.24	100	----
949443	1/2"	2.24	1.28	.36	100	----
949444	3/4"	2.44	1.594	.54	60	----
949445	1"	2.95	1.89	.88	30	----
949446	1-1/4"	3.23	2.362	1.39	18	----
949447	1-1/2"	3.46	2.756	1.81	25	----
949448	2"	3.94	3.425	2.86	14	----

NO	Part	Material	QTY
1	BODY	CF8M/ CF8	1
2	BOLT	304	1
3	SEAT	NBR	1
4	DISC	304	1
5	SPRING	316/ 304	1
6	GASKET	PTFE	1
7	CAP	CF8M/ CF8	1

316 SS MISCELLANEOUS VALVES**VALVES****#316 SS Y STRAINER**

- Investment Castings for Body
- Pressure Rating: 800PSI (PN40)
- Threaded Ends: ANSI B2.1
- Material: CF8M (#316 SS)
- Pressure Test: API 598
- Made in China



- 40 Mesh screen

Part	Material	QTY
1 BODY	CF8M	1
2 SCREEN	SS316	1
3 JOINT GASKET	PTFE	1
4 BONNET	CF8M	1

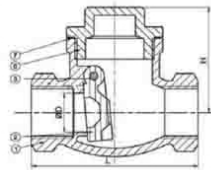
PART #	SIZE	D	L	H	W	ØA	LBS
949521	1/4"	.38"	2.53	51	1.69	1	0.44
949522	3/8"	.48"	2.53	51	1.69	1	0.38
949523	1/2"	.59"	2.53	51	1.76	1	0.46
949524	3/4"	.79"	3.12	60	2.07	1	0.69
949525	1"	.98"	3.57	72	2.67	1	1.27
949526	1-1/4"	1.26"	4.17	77	2.9	1	1.74
949527	1-1/2"	1.57"	4.71	87	3.23	1	2.38
949528	2"	1.96"	5.49	102	3.88	1	3.57

316 SS SWING CHECK VALVE

- 200PSI(PN16)
- Threaded Ends: ANSI B2.1
- Material: CF8M (#316 SS)
- Pressure Test: API 598
- Made in China



Part	Material	QTY
1 BODY	CF8M	1
2 DISC	CF8M	1
3 PIPE PLUG	CF8	1
4 SCREW	CF8	1
5 SCREW GAS-KET	PTFE	1
6 CAP	CF8M	1
7 CAP GASKET	PTFE	1



PART #	SIZE	D	L	W	LBS
949353	1/2"	.59"	2.45	1.66	0.53
949354	3/4"	.79"	2.92	1.82	0.73
949355	1"	.98"	3.41	2.06	1.2
949356	1-1/4"	1.26"	3.93	2.32	1.79
949357	1-1/2"	1.57"	4.54	2.54	2.18
949358	2"	1.96"	5.3	2.78	3.03

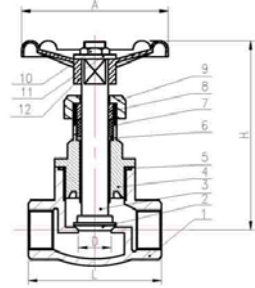
CF8 = 304SS

316 SS GLOBE VALVES

- 200PSI(PN16)
- Threaded Ends: ANSI B2.1
- Material: CF8M (#316 SS)
- Pressure Test: API 598
- Made in China



Part	Material	QTY
1 BODY	CF8M	1
2 DISC	CF8M	1
3 STEM	304SS	1
4 CAP	CF8M	1
5 SEAL	PTFE	1
6 GASKET	304SS	1
7 PACKING	PTFE	1
8 GASKET	CF8	1
9 GLAND	304SS	1
10 NUT	304SS	1
11 SPRING WASHER	CF8	1
12 HANDLE WHEEL	Steel	1



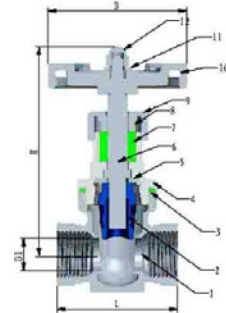
PART #	SIZE	L	LBS
949303	1/2	2.64	0.89
949304	3/4	3.19	1.3
949305	1	3.46	1.72
949306	1-1/4	3.81	2.33
949307	1-1/2	4.25	3.11
949308	2	5.1	4.38

316 SS GATE VALVES

- 200PSI(PN16)
- Threaded Ends: ANSI B2.1
- Material: CF8M (#316 SS)
- Pressure Test: API 598
- Made in China



Part	Material	QTY
1 BODY	CF8M	1
2 DISC	CF8M	1
3 SEAL	CF8M	1
4 CAP	CF8M	1
5 SEAL	PTFE	1
6 STEM	304SS	1
7 SEAL	PTFE	1
8 GLAND	304SS	1
9 NUT	304SS	1
HANDLE WHEEL	Steel	1



PART #	SIZE	L	D	D1	H	LBS
949253	1/2	2.07	2.54	0.55	3.37	0.78
949254	3/4	2.28	2.89	0.74	4.03	0.99
949255	1	2.42	2.89	0.95	4.46	1.25
949256	1-1/4	2.79	3.06	1.18	4.86	1.76
949257	1-1/2	2.92	3.79	1.49	5.53	2.59
949258	2	3.3	4.17	1.85	6.12	3.54

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

CARBON STEEL BALL VALVES

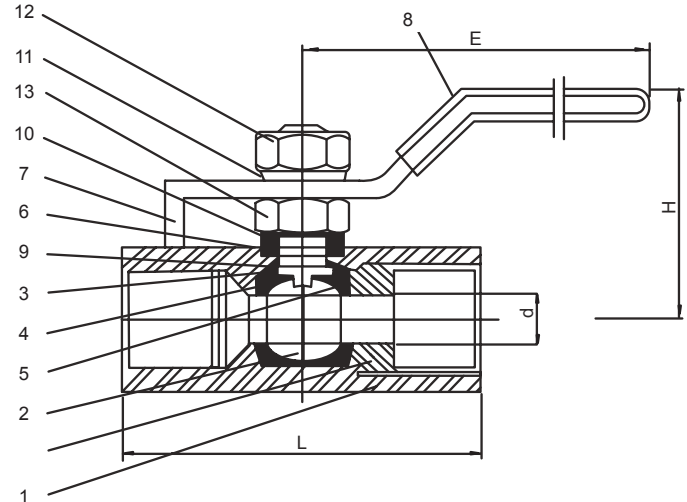
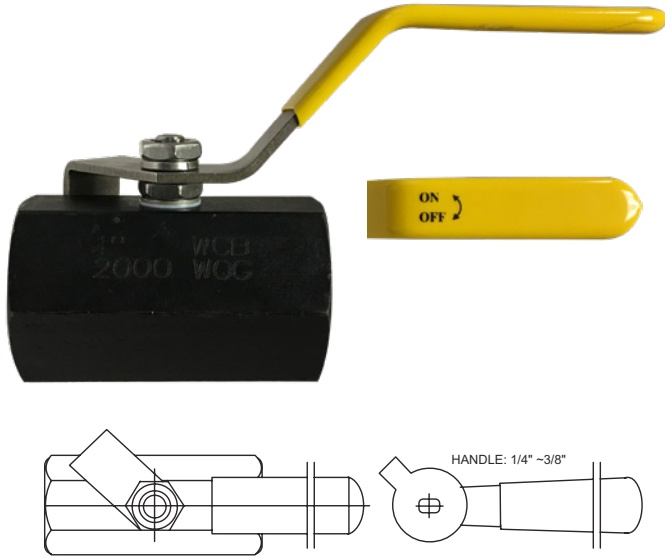
VALVES

STANDARD PORT CARBON STEEL BALL VALVE

- For chemical and industrial applications.
- Blow-out proof stem design.
- 100% air tested under water, at 100 psi, open and closed positions.
- Made in China
- Generic handles

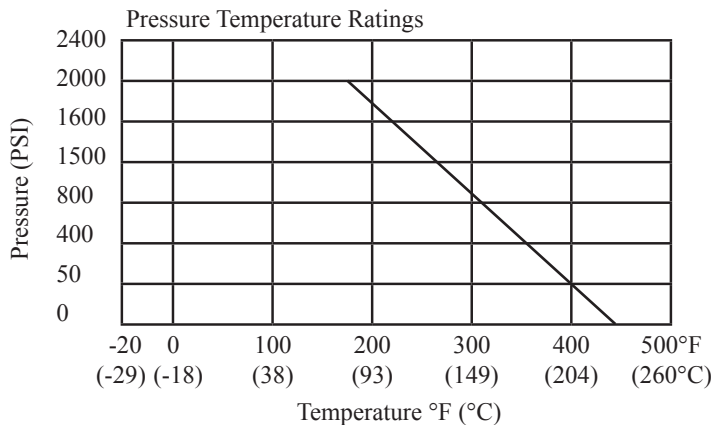
SPECIFICATIONS

- Working Pressure: 1/4" ~ 1" 2000 psi WOG, 1-1/4" ~ 2" 1500 psi WOG,
- Temperature Range: -60° to 450°F
- End types: Threaded
- 1 piece ball valve
- Reinforced PTFE seat



2000 PSI STANDARD PORT

PART #	SIZE	D	H	E	L	WTG	BOX/ CASE	
949121	1/4	.20	1.38	2.95	1.71	0.25	24/96	----
949122	3/8	.28	1.30	3.27	1.87	0.32	100/200	----
949123	1/2	.36	2.36	4.53	2.20	0.67	50/100	----
949124	3/4	.49	2.72	4.53	2.58	1.06	50/100	----
949125	1	.59	2.95	5.00	3.19	1.17	25/50	----
949126	1-1/4	.78	3.07	5.29	3.94	3.15	15/30	----
949127	1-1/2	0.98	3.39	5.29	3.94	2.15	15/30	----
949128	2	1.26	3.86	5.29	4.49	6.21	10/20	----



Item	Parts	Material
1	Body	ASTM A216 WCB
2	Ball	ASTM A351 CF8
3	Stem	304
4	Ball Seat	PTFE
5	Cap Seal	PTFE
6	Packing	PTFE
7	Handle	SS304
8	Handle Sleeve	Vinyl Grip
9	Thrust Washer	PTFE
10	Gland	SS304
11	Washer	SS304
12	Handle Nut	SS304
13	Stem Nut	SS304

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

VALVES

CARBON STEEL FULL PORT BALL VALVES

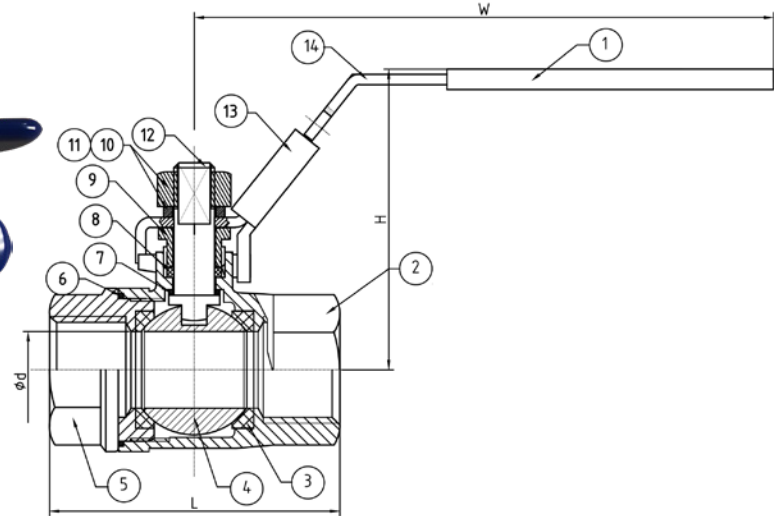
VALVES

2000 PSI CARBON STEEL 2PC FULL PORT BALL VALVE

• 2 PIECE

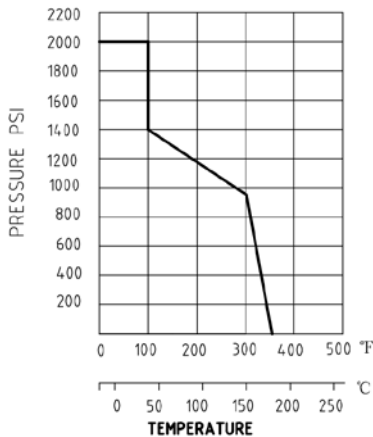
SPECIFICATIONS

- Working Pressure: 2000 PSI (138 Bar)
- Temperature Range: -10° C-150° C
- Suitable medium: WOG
- Threaded End conforms to ANSI B1.20.1
- Made in China
- Generic handle

**2000 PSI FULL PORT**

PART #	SIZE	D	L	H	W	WTG	BOX/ CASE	
949111	1/4	0.36	2.13	2.13	4.33	0.59	70	----
949112	3/8	0.50	2.13	2.17	4.33	0.59	70	----
949113	1/2	0.59	2.24	2.28	4.33	0.75	60	----
949114	3/4	0.79	2.76	2.40	4.33	1.17	50	----
949115	1	0.98	3.25	3.03	5.04	1.88	30	----
949116	1-1/4	1.26	3.58	3.19	5.04	2.45	20	----
949117	1-1/2	1.50	4.06	3.54	6.10	4.06	20	----
949118	2	1.97	4.90	4.25	6.10	2.43	7	----

PRESSURE-TEMPERATURE RATING



Item	Parts	Material
1	Handle cover	Plastic
2	Body	CF8M
3	Ball seat	PTFE
4	Ball	CF8M
5	Cap	CF8M
6	Joint gasket	PTFE
7	Thrust washer	PTFE
8	Stem packing	PTFE
9	Gland nut	304
10	Spring washer	304
11	Stem nut	304
12	Stem	316
13	Lock device	304
14	Handle	304

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



HIGH PRESSURE FULL PORT 2-WAY VALVES

VALVES

FULL PORT Two-Way



BKH

PART #	THREAD	WORKING PRESSURE	
GE214NPT	1/4" NPT	7250 PSI	----
GE238NPT	3/8" NPT	7250 PSI	----
GE212NPT	1/2" NPT	7250 PSI	----
GE234NPT	3/4" NPT	5800 PSI	----
GE21NPT	1" NPT	5075 PSI	----
GE2114TNPT*	1-1/4" NPT	5000 PSI	----
GE2112TNPT*	1-1/2" NPT	5000 PSI	----

PART #	THREAD	WORKING PRESSURE	
GE204SAE	7/16-20 UNF	7250 PSI	----
GE206SAE	9/16-18 UNF	7250 PSI	----
GE208SAE	3/4-16 UNF	7250 PSI	----
GE212SAE	1-1/16-12 UNF	5800 PSI	----
GE216SAE	1-5/16-12 UNF	5000 PSI	----

* Reduced Port
 + 'L' flow pattern
 Temp Rating = -22° - 212°F

Construction: Steel Body, Ball, Stem
 Zinc Chromate Plate
 Buna "O" Rings (Fluoroelastomer on request)
 Delrin Ball Seats

FULL PORT Three-Way



BK3

PART #	THREAD	WORKING PRESSURE	
GE3L14NPT	1/4" NPT	5880 PSI	----
GE3L38NPT	3/8" NPT	5880 PSI	----
GE3L12NPT	1/2" NPT	5145 PSI	----
GE3L34NPT	3/4" NPT	5145 PSI	----
GE3L1NPT	1" NPT	5145 PSI	----
GE3L114TNPT	1 1/4" NPT	4500 PSI	----
GE3L112TNPT	1 1/2" NPT	4500 PSI	----

PART #	THREAD	WORKING PRESSURE	
GE3L04SAE	7/16-20 UNF	5880 PSI	----
GE3L06SAE	9/16-18 UNF	5880 PSI	----
GE3L08SAE	3/4-16 UNF	5145 PSI	----
GE3L12SAE	1-1/16-12 UNF	5145 PSI	----
GE3L16SAE	1-5/16-12 UNF	5145 PSI	----

+ 'L' flow pattern
 Temp Rating = -22° - 212°F

Construction: Steel Body, Ball, Stem
 Zinc Chromate Plate
 Buna "O" Rings (Fluoroelastomer on request)
 Delrin Ball Seats

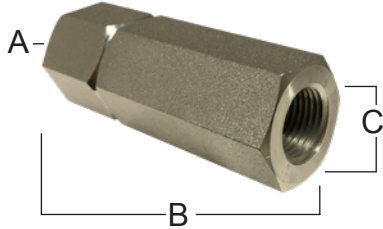
WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

HIGH PRESSURE CHECK VALVES

VALVES

CHECK VALVES - HARD SEAT CARBON STEEL CONSTRUCTION - 5lb Cracking Pressure

- w/ NPT threads



A (NPT Female both ends)

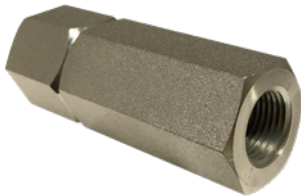
PART #	A SIZE	B INCHES	C INCHES	RATED FLOW GPM	PSI	
100025	1/4 NPT	2.44	.87	6	5,000	----
100035	3/8 NPT	2.87	.95	10	5,000	----
100045	1/2 NPT	3.76	1.26	18	5,000	----
100065	3/4 NPT	4.30	1.50	30	5,000	----
100085	1 NPT	4.74	1.83	36	5,000	----
1000105	1-1/4 NPT	5.56	2.40	50	3,000	----
1000125	1-1/2 NPT	5.56	2.56	60	3,000	----

CHECK VALVES - HARD SEAT CARBON STEEL CONSTRUCTION - 65lb Cracking Pressure

PART #	A SIZE	B INCHES	C INCHES	RATED FLOW GPM	PSI	
1000265	1/4NPT	2.45	.87	6	5,000	----
1000365	3/8NPT	2.91	.94	10	5,000	----
1000465	1/2NPT	3.74	1.18	18	5,000	----
1000665	3/4NPT	4.29	1.26	30	5,000	----
1000865	1NPT	5.00	1.81	36	5,000	----
10001065	1-1/4NPT	5.20	2.41	50	3,000	----
10001265	1-1/2NPT	5.20	2.56	60	3,000	----

CHECK VALVES - 5lb Cracking Pressure

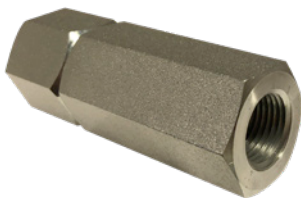
- w/ SAE threads



PART #	A SIZE	B INCHES	C INCHES	RATED FLOW GPM	PSI	
100145	7/16-20 SAE	2.56	.87	6	5,000	----
100165	9/16-18 SAE	2.91	.94	10	5,000	----
100185	3/4-16 SAE	3.74	1.18	18	5,000	----
1001125	1-1/6-12 SAE	4.29	1.50	30	3,000	----
1001165	1-5/16-12 SAE	5.00	1.81	36	3,000	----
1001205	1-5/8-12 SAE	5.20	2.41	50	3,000	----
1001245	1-7/8-12 SAE	5.20	2.56	60	3,000	----

CHECK VALVES - 65lb Cracking Pressure

- w/ SAE threads



PART #	A SIZE	B INCHES	C INCHES	RATED FLOW GPM	PSI	
1001465	7/16-20 SAE	2.56	.87	6	5,000	----
1001665	9/16-18 SAE	2.91	.94	10	5,000	----
1001865	3/4-16 SAE	3.74	1.18	18	5,000	----
10011265	1-1/6-12 SAE	4.29	1.50	30	3,000	----
10011665	1-5/16-12 SAE	5.00	1.81	36	3,000	----
10012065	1-5/8-12 SAE	5.20	2.41	50	3,000	----
10012465	1-7/8-12 SAE	5.20	2.56	60	3,000	----

Rated Pressure: Sizes 2 thru 8 - 5000 psi / Sizes 10 thru 24 - 3000 psi

- Soft Seat available by special quote



USE OUR APP WITH YOUR FREE BIN LABELS TO MANAGE YOUR CUSTOMERS INVENTORY MORE EFFICIENTLY

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



PVC VALVES

VALVES

- Quarter turn **WHITE PVC BALL VALVES**
- Solvent ends comply with ASTM D2466
- Designed for use in residential, commercial & industrial system as well as waste water, chemical, agricultural applications, marine, food processing, swimming pools.
- Corrosion resistant
- EPDM seal
- FULL PORT
- EPDM O-ring
- Fits both Sch. 40 & 80 pipe
- Rated for 150 PSI at 73°F
- Threaded ends comply with ANSI B1.20.1



MOLDED IN PLACE - WHITE PIPE THREADS

PART#	SIZE	CASE	
940284	1/2"	100	----
940285	3/4"	100	----
940286	1"	100	----
940287	1-1/4"	100	----
940288	1-1/2"	48	----
940289	2"	24	----
940291	3"	12	----
940292	4"	6	----



WHITE SOCKET - SLIP X SLIP

PART #	SIZE	CASE	
940294	1/2"	100	----
940295	3/4"	100	----
940296	1"	100	----
940297	1-1/4"	100	----
940298	1-1/2"	48	----
940299	2"	24	----
940300	2-1/2"	12	----
940301	3"	12	----
940302	4"	6	----

I CAN'T CHANGE THE DIRECTION OF THE WIND, BUT I CAN ADJUST MY SAILS TO ALWAYS REACH MY DESTINATION.

- JIMMY DEAN

GREY PVC BALL VALVES

FEATURES

- Sizes range from 1/2" to 4"
- Excellent flow characteristics
- Leak-tight shut-off
- EPPM O-Ring
- SCH 80
- Test pressure: 225 psi @ 73°F
- Working Pressure: 150 psi @ 73°F



FIP X FIP THREADED BALL VALVE

PART #	SIZE	CASE	
899000	1/2"	100	----
899001	3/4"	100	----
899002	1"	100	----
899003	1-1/4"	100	----
899004	1-1/2"	48	----
899005	2"	24	----



SLIP X SLIP BALL VALVE

PART #	SIZE	CASE	
899050	1/2"	100	----
899051	3/4"	100	----
899052	1"	100	----
899053	1-1/4"	100	----
899054	1-1/2"	48	----
899055	2"	24	----



CPVC BALL VALVE

PART #	SIZE	
940281	1/2"	----
940282	3/4"	----

WARNING: This product can expose you to chemicals, including Chloroethane, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

PLASTIC VALVES

VALVES

INLINE PLASTIC SPRING CHECK VALVE

Socket x Socket

- 200 PSI working pressure @ 77°F .5 PSI to open.



PART#	SIZE	
940325	1/2"	----
940326	3/4"	----
940327	1"	----
940328	1-1/4"	----
940329	1-1/2"	----
940330	2"	----

INLINE PLASTIC SPRING CHECK VALVE FEMALE THREADED ENDS

- 200 PSI working pressure @ 77°F .5 PSI to open.



PART#	SIZE	
940331	1/2"	----
940332	3/4"	----
940333	1"	----
940334	1-1/4"	----
940335	1-1/2"	----
940336	2"	----

PLASTIC DRUM FAUCETS

- Pipe threads to ANSI B1.20.1
- Hose threads to ANSI B

The FLO-RITE faucet has been engineered to meet the demand for greater chemical resistance, using linear polyethylene for the stem.



"FLO-RITE" DRUM FAUCET

PART #	SIZE	
46277	3/4"	----

DRUM & BARREL FAUCET VALVE

- Die cast body w/ nylon seat and steel spring.
- For use with all petroleum products except trichlorethylene.

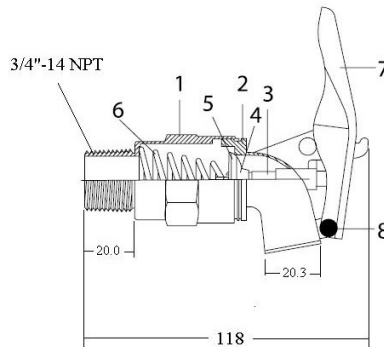


G261N

Not suitable for potable water

SELF-CLOSING DRUM & BARREL FAUCET

PART #	SIZE	
46270	3/4"	----



Part #	Part Name	Material
1	Body	Zinc
2	Bonnet	Zinc
3	Stem	Steel
4	Disc	Plastic
5	Seal	Rubber
6	Spring	Zinc plated steel
7	Handle	Aluminum
8	Rivet	Aluminum

WARNING: This product can expose you to chemicals, including Chloroethane, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



DUCTILE IRON VALVES AND ACCESSORIES

WAFER STYLE - LEVER OPERATED



NICKLE PLATED DUCTILE IRON DISC & SS DISC

WAFER STYLE GEAR OPERATED



NICKLE PLATED DUCTILE IRON DISC & SS DISC

BUTTERFLY ACCESSORIES



WAFER STYLE DOUBLE DOOR CHECK VALVE



AWWA C508 OUTSIDE LEVER



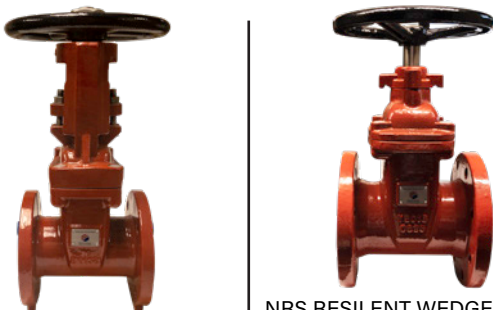
AND WEIGHT CHECK VALVES

UL/FM FLANGED SWING CHECK VALVE



SWING CHECK FLANGED

AWWA C515-15 GATE VALVES



FLANGED OS & Y RESILIENT WEDGE GATE VALVE

NRS RESILIENT WEDGE GATE VALVES, FLANGED, MECHANICAL JOINT & FLANGE BY MECHANICAL JOINT

DUCTILE IRON THREADED FLAT FACED COMPANION FLANGES



LF WATER METER FLANGES, FLANGE KITS AND LF METER COUPLINGS



BUTTERFLY VALVES - WAFER

VALVES

LEVER - WAFER

Small in size and light in weight, easy to install. It can be mounted wherever needed, quick 90° on-off operation. Disc has two-way bearing, perfect seal without leakage under the pressure test. Flow curve tending to straight-line. Strong wash and brush resistance and can fit to bad working condition. Center plate structure, small torque of open and close. Disc & stem are fastened by pin, more stable.



STANDARD:

- 1.DESIGN CODE :AP1609 Class A
- 2.FACE TO FACE : AP1609
- 3.END STANDARD:ANSI B16.5 125LB/150LB
- 4.INSPECTION & TEST:API 598

TOP FLANGE DIMENSIONS

SIZE	4- d2
1.5"-3"	4-0.276
4"-6"	4-0.39
8"-14"	4-0.47

PART#	DUCTILE IRON DISC/ BUNA SEAT/ LEVER	CASE	WEIGHT	
9650L2	2"	200	7.3	----
9650L2.5	2-1/2"	190	8.4	----
9650L3	3"	180	9.8	----
9650L4	4"	150	12.1	----
9650L5	5"	110	16.5	----
9650L6	6"	90	16.9	----
9650L8	8"	50	30.3	----
9650L10	10"	35	44.5	----
9650L12	12"	24	51.6	----

SS DISC/ EPDM SEAT/
LEVER

PART#	SIZE	
9650L2SE	2"	----
9650L3SE	3"	----
9650L4SE	4"	----
9650L5SE	5"	----
9650L6SE	6"	----
9650L8SE	8"	----
9650L10SE	10"	----
9650L12SE	12"	----

GEAR - WAFER

STANDARD:

- 1.DESIGN CODE :AP1609 Class A
- 2.FACE TO FACE : AP1609
- 3.END STANDARD:ANSI B16.5 125LB/150LB
- 4.INSPECTION & TEST:API 598



TOP FLANGE DIMENSIONS

SIZE	ISO5211	K	E	4- D2
1.5"-3"	F05	2.56	1.97	4-0.276
4"-6"	F07	3.54	2.76	4-0.39
8"-14"	F10	4.92	4.02	4-0.47

PART#	WAFER/ DUCTILE IRON DISC/ BUNA SEAT/ GEAR	CASE	WEIGHT	
9650G2	2"	200	7.3	----
9650G2.5	2-1/2"	190	8.4	----
9650G3	3"	180	9.8	----
9650G4	4"	150	12.1	----
9650G6	6"	90	16.9	----
9650G8	8"	50	30.3	----
9650G10	10"	35	44.5	----
9650G12	12"	24	51.6	----

WAFER/ SS DISC/ EPDM
SEAT/ GEAR

PART#	SIZE	
9650G2SE	2"	----
9650G2.5SE	2-1/2"	----
9650G3SE	3"	----
9650G4SE	4"	----
9650G6SE	6"	----
9650G8SE	8"	----
9650G10SE	10"	----
9650G12SE	12"	----

BUTTERFLY VALVES - LUG

VALVES

LEVER - LUG

Small in size and light in weight, easy to install, can be mounted wherever needed. Lug type butterfly valve can be used at the end of the pipeline. Lug type butterfly valve has threaded metal inserts installed in the valve's bolt holes. Inserts are threaded on both ends, which allows this lug style valve to be installed into a system using two sets of bolts and no nuts for each hole. Valve is installed between two flanges using a separate set of bolts for each side of the flange. This setup permits either side of the piping system to be disconnected without disturbing the other side.



PART#	DUCTILE IRON DISC/ BUNA SEAT/ LEVER	CASE	WEIGHT	
9660L2	2"	200	7.3	----
9660L2.5	2-1/2"	190	8.4	----
9660L3	3"	180	9.8	----
9660L4	4"	150	12.1	----
9660L5	5"	110	16.5	----
9660L6	6"	90	16.9	----
9660L8	8"	50	30.3	----
9660L10	10"	35	44.5	----
9660L12	12"	24	51.6	----

SS DISC/ EPDM SEAT/ LEVER

PART#	SIZE	
9660L2SE	2"	----
9660L3SE	3"	----
9660L4SE	4"	----
9660L5SE	5"	----
9660L6SE	6"	----
9660L8SE	8"	----
9660L10SE	10"	----
9660L12SE	12"	----

GEAR - LUG



PART#	DUCTILE IRON DISC/ BUNA SEAT/ GEAR	CASE	WEIGHT	
9660G2	2"	200	7.3	----
9660G2.5	2-1/2"	190	8.4	----
9660G3	3"	180	9.8	----
9660G4	4"	150	12.1	----
9660G6	6"	90	16.9	----
9660G8	8"	50	30.3	----
9660G10	10"	35	44.5	----
9660G12	12"	24	51.6	----

SS DISC/ EPDM SEAT/ GEAR

PART#	SIZE	
9660G2SE	2"	----
9660G2.5SE	2-1/2"	----
9660G3SE	3"	----
9660G4SE	4"	----
9660G6SE	6"	----
9660G8SE	8"	----
9660G10SE	10"	----
9660G12SE	12"	----

BUTTERFLY ACCESSORIES

VALVES

STEM EXTENSIONS

- FOR BOLTS AND NUTS
- BLACK COLOR

PART#	FOR VALVE SIZES ""	LENGTH	
9650EX2324	2-3	24 LONG	----
9650EX2336	2-3	36 LONG	----
9650EX2348	2-3	48 LONG	----
9650EX2360	2-3	60 LONG	----
9650EX2372	2-3	72 LONG	----
9650EX4624	4-6	24 LONG	----
9650EX4636	4-6	36 LONG	----
9650EX4648	4-6	48 LONG	----
9650EX4660	4-6	60 LONG	----
9650EX4672	4-6	72 LONG	----
9650EX1224	8-12	24 LONG	----
9650EX1236	8-12	36 LONG	----
9650EX1248	8-12	48 LONG	----
9650EX1260	8-12	60 LONG	----
9650EX1272	8-12	72 LONG	----

LEVER REPLACEMENT

PART#	REPLACEMENT LEVER HANDLE FOR	
9650L23	2-3 9650BFV	----
9650L46	4-6 9650 BFV	----
9650L812	8-10 9650 B	----
9650L120	12 9650 BFV	----

GEAR WHEEL HANDLE

PART#	REPLACEMENT WHEEL HANDLE FOR	
9650WH23	2-3" 9650 BFV	----
9650WH46	4-6" 9650 BFV	----
9650WH812	8-12" BFV	----

ROLL PIN

PART#	REPLACEMENT ROLL PIN FOR	
9650RP23	2-3 9650 BFV	----
9650RP46	4-6 9650 BFV	----
9650RP12	8-12 9650 BFV	----

INDEX PLATE

PART#	REPLACEMENT INDEX PLATE	
9650IP23	2-3" 9650BFV	----
9650IP46	4-6" 9650BFV	----
9650IP812	8-12" 9650 B	----

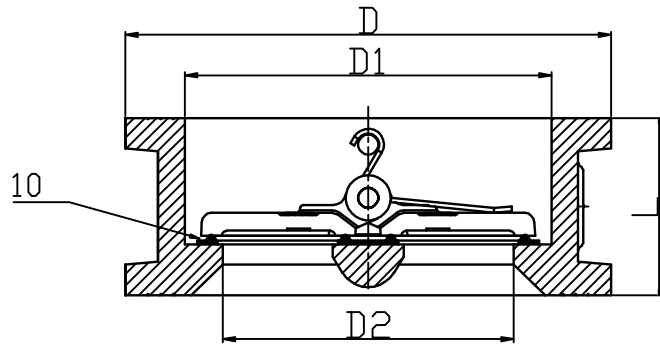
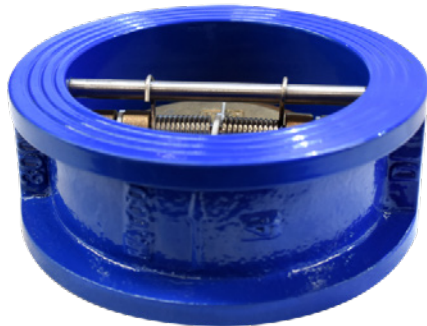
GEAR REPLACEMENT

PART#	REPLACEMENT GEAR OPERATOR	
9650G23	2-3 9650 BFV	----
9650G46	4-6 9650 BFV	----
9650G812	8-10 9650BFV	----
9650G120	12 - 9650BFV	----

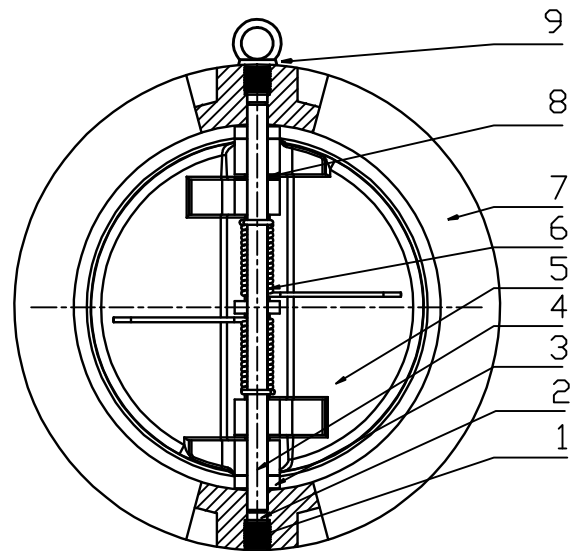
DUCTILE IRON CHECK VALVES

VALVES

DOUBLE DOOR WAFER CHECK VALVE



Part	Part	MATERIAL
1	Countersunk Hex Head Screws	Carbon Steel ASTM A325
2	Stal Ring	EPDM
3	Gasket	PTFE
4	Shaft	Stainless Steel SS420
5	Disc	Aluminum Brance C954
6	Spring	Stainless Steel SS304
7	Body	Ductile Iron ASTM 65-45-12



MAIN DIMENSIONS

DN		Dimensions (mm)			
inch	mm	L	D	D1	D2
2	50	54	102	64	46
2 1/2'	65	54	121	78	60
3	80	57	134	94	70
4	100	64	162	117	84
5	125	70	192	145	115
6	150	76	218	170	134
8	200	95	273	224	184
10	250	108	335	265	220
12	300	143	407	310	260
14	350	184	442	360	302
16	400	191	511	410	350

PART#	SIZE	CASE	WEIGHT	
963002	2	50	4	----
963025	2-1/2	40	5	----
963003	3	20	8	----
963004	4	20	13	----
963005	5	20	16	----
963006	6	10	20	----
963008	8	10	38	----
963010	10	10	38	----
963012	12	5	92	----
963014	14	4	121	----
963016	16	4	165	----



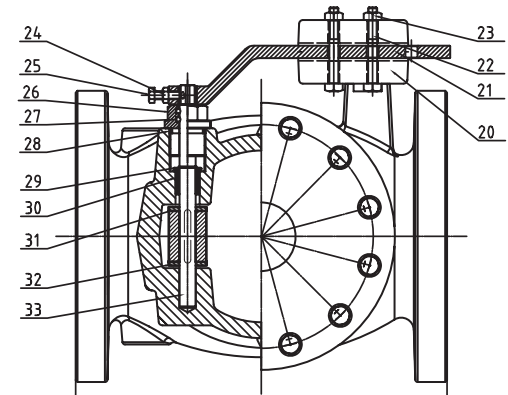
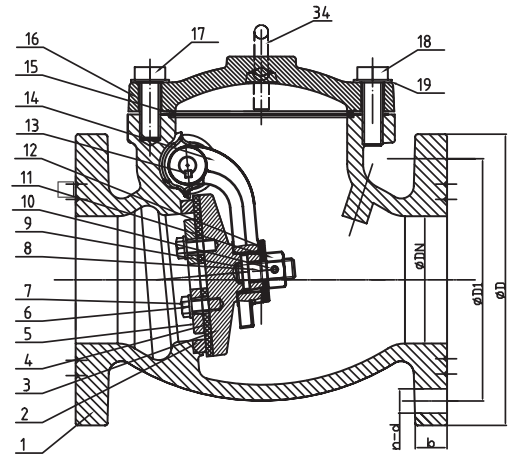
VIEW PRICING AND AVAILABLE STOCK ONLINE

DUCTILE IRON CHECK VALVES

VALVES

CHECK VALVE W/OUTSIDE L/W

AWWA C508 CHECK VALVE W/OUTSIDE L/W



Part	Part	MATERIAL
1	Valve Body	Ductile iron 65-45-12
2	Seat	ASTM B62 C83600
3	Disc	Ductile iron 65-45-12
4	Disc Seat Ring	NBR
5	Retainer Washer	Ductile iron 65-45-12
6	Washer	AISI 304
7	Bolt	AISI 304
8	Stud	ASTM B62 C83600
9	Roll Pin	AISI 304
10	Roll Pin	AISI 304
11	Nut	ASTM B62 C83600
12	Washer	ASTM B62 C83600
13	Flat Key	AISI 304
14	Clapper Arm	Ductile iron 65-45-12
15	O-Ring	NBR
16	Bonnet	Ductile iron 65-45-12
17	Bolt	AISI 316
18	Bolt	AISI 316
19	Washer	AISI 316
20	Weight	Ductite iron,65-45-12
21	Arm	Cast steel WCB
22	Bolt	AISI 316
23	Nut	AISI 316
24	Nut	AISI 316
25	Bolt	AISI 316
26	Seat Nut	ASTM B62 C83600
27	O-Ring	NBR
28	Gasket	PTFE
29	Circlip	Carbon steel
30	Shaft sleeve gland	ASTM B62 CB3600

MAIN DIMENSIONS (mm)

inch	DN	L	D	D1	b	n-d	H
3"	80	241	200	152.5	19	4-19.1	173
4"	100	292	229	190.5	24	8-19.1	175.5
6"	150	356	285	241.5	25.5	8-22.2	237.5
8"	200	495	343	298.5	28.5	8-22.2	272.5
10"	250	622	406	362	30.5	12-25.4	326
12"	300	698	483	432	32	12-25.4	358

**UL/FM FLANGED SWING CHECK VALVE**

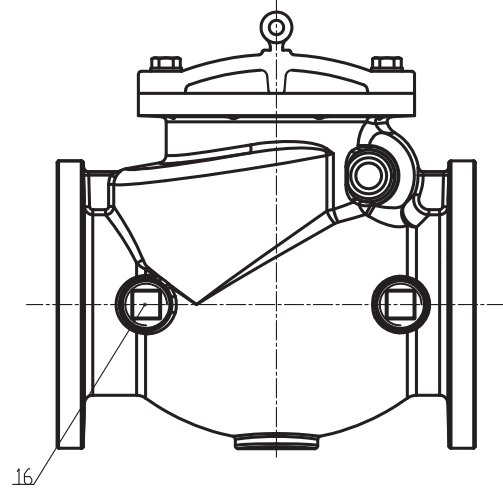
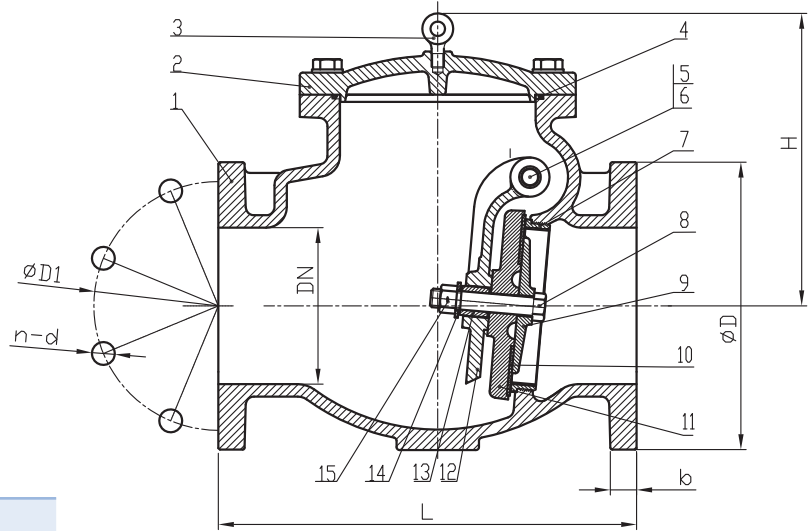
PART#	SIZE	CASE	WEIGHT	
96203LW	3	16	57	----
96204LW	4	12	84	----
96206LW	6	6	156	----
96208LW	8	4	294	----
962010LW	10	2	466	----
962012LW	12	2	627	----

PART#	SIZE	CASE	WEIGHT	
96203UL	3	36	50	----
96204UL	4	36	77	----
96206UL	6	14	140	----
96208UL	8	4	266	----
962010UL	10	1	398	----
962012UL	12	1	533	----

DUCTILE IRON CHECK VALVES

VALVES

AWWA C508 SWING CHECK VALVE FLANGED



Part	Part	MATERIAL
1	Valve Body	Ductile Iron 65-45-12
2	Bonnet	Ductile Iron 65-45-12
3	Sling Ring	Carbon Steel Zinc Plated
4	O Ring	NBR
5	Hinge Pin	Stainless Steel 304
6	Hinge bushing	Brass ASTM B36
7	Seat Ring	Bronze ASTM B62
8	Disc Seat Bolts	Stainless Steel 304
9	Retainer Washer	Bronze ASTM B62
10	Disc Seat Ring	EPDM
11	Disc	Ductile Iron 65-45-12
12	Ctapper Arm	Ductile Iron 65-45-12
13	Stud Bushing	Bronze ASTM B36
14	O Ring	NBR
15	Nuts	Stainless Steel 304
16	Plug	Tin bronze

MAIN DIMENSIONS

DN		PSI	Dimensions (mm)					
inch	mm		L	D	D1	b	n-d	H
3"	80	300	278	191	152.5	19	4-19.1	160
4"	100	300	330	229	190.5	24	8-19.1	218
6"	150	300	406	279	241.5	25.5	8-22.2	290
8"	200	300	495	343	298.5	28.5	8-22.2	330
10"	250	300	622	406	362	30.5	12-25.4	350
12"	300	300	660	483	432	32	12-25.4	376

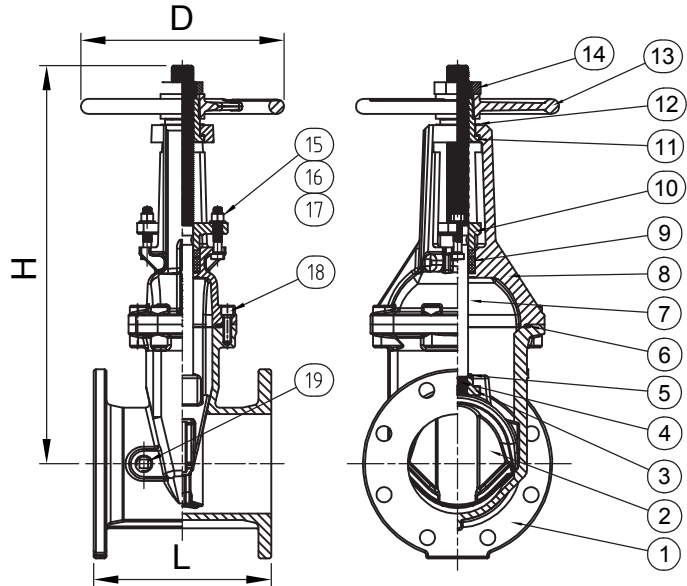
PART#	SIZE	CASE	WEIGHT	
962003	3	16	57	----
962004	4	12	84	----
962006	6	6	156	----
962008	8	4	294	----
962010	10	2	466	----
962012	12	2	627	----



GO ONLINE TO VIEW OPEN ORDERS, ORDER HISTORY, AND TRACKING INFORMATION ON ALL SHIPMENTS

DUCTILE IRON GATE VALVES

VALVES

**OS&Y RESILIENT SEATED GATE VALVE
FLANGE ENDS, 300PSI**

PART#	SIZE	CASE	WEIGHT	
9610F25	2-1/2"	25	46.2	----
9610F3	3"	16	62.7	----
9610F4	4"	16	74.8	----
9610F6	6"	9	103.9	----
9610F8	8"	6	190.9	----
9610F10	10"	2	291.8	----
9610F12	12"	2	409.8	----

NO TAP

PART#	SIZE	CASE	WEIGHT	
9610NYCF25	2-1/2"	25	46.2	----
9610NYCF3	3"	32	62.7	----
9610NYCF4	4"	64	74.8	----
9610NYCF6	6"	54	103.9	----
9610NYCF8	8"	36	190.9	----
9610NYCF10	10"	12	291.8	----
9610NYCF12	12"	12	409.8	----

COMPLIES WITH NEW YORK AND CHICAGO REQUIREMENTS.

	DESCRIPTION	MATERIAL	ASTM SPEC.
1	Body	Ductile Iron	A536 65-45-12
2	Wedge	Ductile Iron, EPDM Encapsulated	A536 65-45-12
3	Wedge Nut	Stainless Steel	A276 Type 304SS
4	Pin	Stainless Steel	A276 Type 420SS
5	O-Ring	Rubber	D2000 NBR
6	Gasket	Rubber	D2000 NBR
7	Stem	Stainless Steel	A276 Type 304SS
8	Bonnet	Ductile Iron	A536 65-45-12
9	Packing	Graphite	
10	Gland	Ductile Iron	A536 65-45-12
11	Yoke Nut	Bronze	B148 C95200
12	Washer	Brass	
13	Handwheel	Ductile Iron	A536 65-45-12
14	Handwheel Nut	Ductile Iron	A536 65-45-12
15	Bolts	Stainless Steel	A276 Type 304SS
16	Nuts	Stainless Steel	A276 Type 316SS
17	Washers	Stainless Steel	A276 Type 304SS

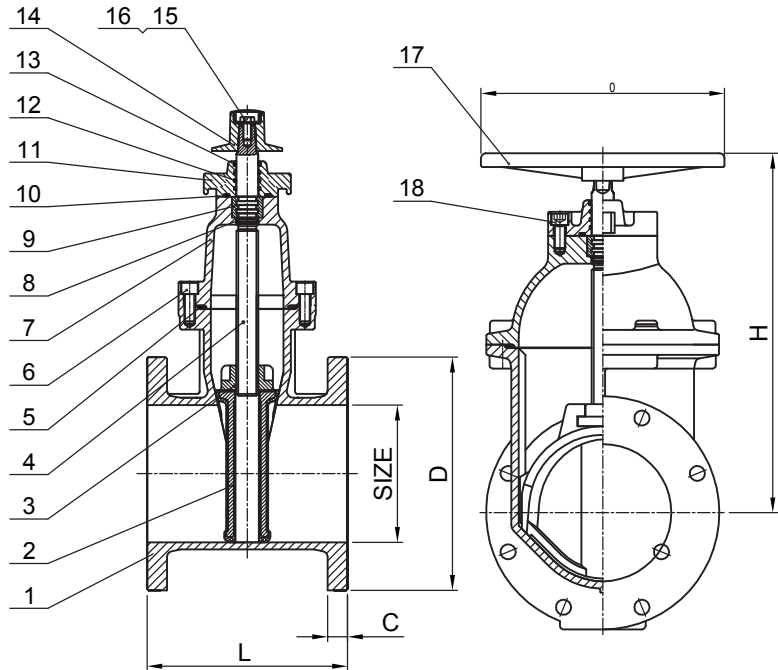
MAIN DIMENSIONS

Size	2.5"	3"	4"	6"	8"	10"	12"
L	7-1/2"	8"	9"	10-1/2"	11-1/2"	13"	14"
H (Open)	16-5/8"	18-7/8"	21-5/8"	29-1/8"	36-5/8"	44-1/2"	52"
H (Close)	13-3/4"	15-3/4"	17-3/4"	23-1/4"	28-3/4"	34-3/4"	40-1/6"
D	7-1/4"	10"	10"	12"	14"	17-1/2"	17-1/2"

DUCTILE IRON GATE VALVES

VALVES

NRS RESILIENT SEATED GATE VALVE FLANGE ENDS, 300PSI



PART#	SIZE	CASE	WEIGHT	
9600FL25	2-1/2"	25	37.6	----
9600FL3	3"	16	54.2	----
9600FL4	4"	16	65.5	----
9600FL6	6"	9	107.5	----
9600FL8	8"	6	181.9	----
9600FL10	10"	2	297.4	----
9600FL12	12"	2	431.4	----

Item	Descript.	Material	ASTM Spec.
1	Body	Ductile Iron	A536 65-45-12
2	Wedge	Ductile Iron, EPDM Encapsulated	A536 65-45-12
3	Wedge Nut	Bronze	B148 C95200
4	Stem	Stainless Steel	A276 Type 304SS
5	Gasket	Rubber	D2000 NBR
6	Bolts	Stainless Steel	A276 Type 304SS
7	Bonnet	Ductile Iron	A536 65-45-12
8	O-Ring	Rubber	D2000 NBR
9	Thrust Collar	Bronze	B148 C95200
10	O-Ring	Rubber	D2000 NBR
11	Gland	Ductile Iron	A536 65-45-12
12	O-Ring	Rubber	D2000 NBR
13	Dust Ring	Rubber	D2000 NBR

CHANGE YOUR THOUGHTS AND YOU
CHANGE YOUR WORLD.

- NORMAN VINCENT PEALE

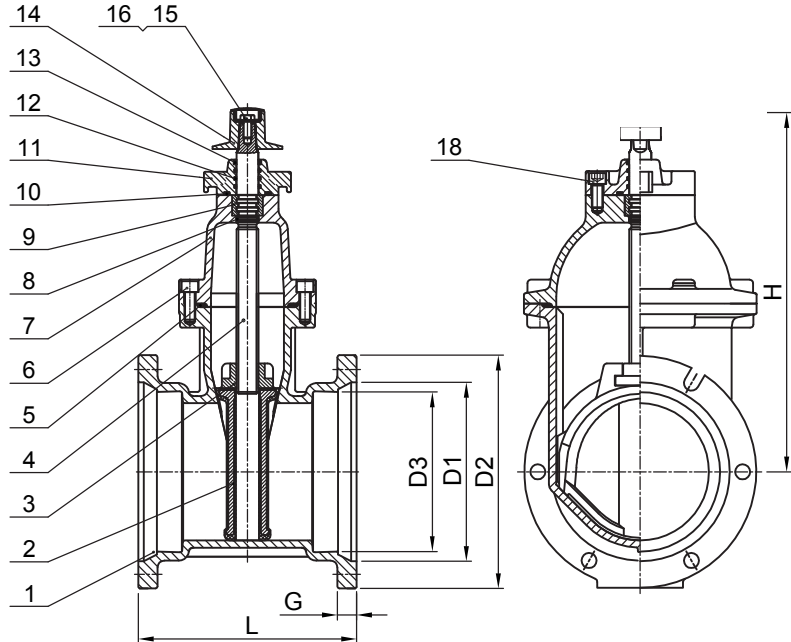
MAIN DIMENSIONS

Size	2.5"	3"	4"	6"	8"	10"	12"
L	7-1/2"	8.0"	9.0"	10-1/2"	11-1/2"	13.0"	14.0"

DUCTILE IRON GATE VALVES

VALVES

AWWA C515-15 NRS RESILIENT SEATED GATE VALVE MJ × MJ ENDS, 300PSI



PART#	SIZE	WEIGHT	CASE
9600MJ3	3"	54.2	16
9600MJ4	4"	65.5	16
9600MJ6	6"	107.5	9
9600MJ8	8"	181.9	6
9600MJ10	10"	297.4	2
9600MJ12	12"	431.4	2

*STANDARD CONFIG IS OP NUT ONLY

Item	Descrip.	Material	ASTM Spec.
1	Body	Ductile Iron	A536 65-45-12
2	Wedge	Ductile Iron, EPDM Encapsulated	A536 65-45-12
3	Wedge Nut	Bronze	B148 C95200
4	Stem	Stainless Steel	A276 Type 304SS
5	Gasket	Rubber	D2000 NBR
6	Bolts	Stainless Steel	A276 Type 304SS
7	Bonnet	Ductile Iron	A536 65-45-12
8	O-Ring	Rubber	D2000 NBR
9	Thrust Collar	Bronze	B148 C95200
10	O-Ring	Rubber	D2000 NBR
11	Gland	Ductile Iron	A536 65-45-12
12	O-Ring	Rubber	D2000 NBR
13	Dust Ring	Rubber	D2000 NBR

If you always put limit on everything you do, physical or anything else. It will spread into your work and into your life. There are no limits. There are only plateaus, and you must not stay there, you must go beyond them.

- Bruce Lee

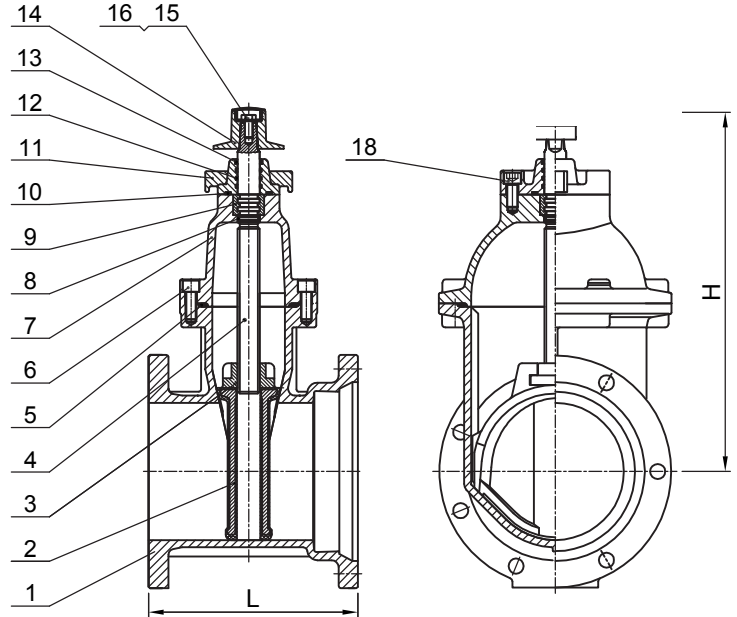
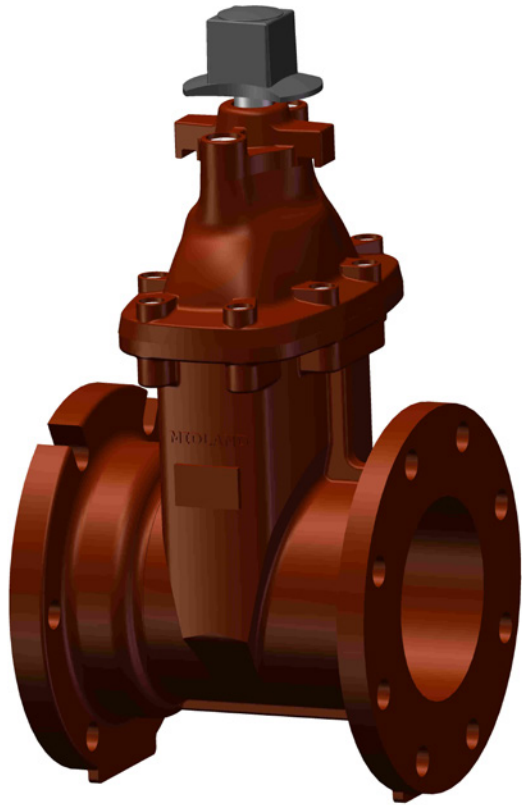
MAIN DIMENSIONS						
Size	3"	4"	6"	8"	10"	12"
L	11.5"	12.5"	14.8"	15.0"	13.0"	14.0"
H	16.4"	20.7"	24.5"	28.0"	24.5"	28.0"

DUCTILE IRON GATE VALVES

VALVES

NRS RESILIENT SEATED GATE VALVE

FL × MJ ENDS, 300PSI



PART#	SIZE	WEIGHT	CASE	
9600FJ3	3"	54.3	16	----
9600FJ4	4"	65.5	16	----
9600FJ6	6"	107.5	9	----
9600FJ8	8"	181.9	6	----
9600FJ10	10"	297.4	2	----
9600FJ12	12"	431.4	2	----

*STANDARD CONFIG IS OP NUT ONLY

Item	Description	Material	ASTM Spec.
1	Body	Ductile Iron	A536 65-45-12
2	Wedge	Ductile Iron, EPDM Encapsulated	A536 65-45-12
3	Wedge Nut	Bronze	B148 C95200
4	Stem	Stainless Steel	A276 Type 304SS
5	Gasket	Rubber	D2000 NBR
6	Bolts	Stainless Steel	A276 Type 304SS
7	Bonnet	Ductile Iron	A536 65-45-12
8	O-Ring	Rubber	D2000 NBR
9	Thrust Collar	Bronze	B148 C95200
10	O-Ring	Rubber	D2000 NBR
11	Gland	Ductile Iron	A536 65-45-12
12	O-Ring	Rubber	D2000 NBR
13	Dust Ring	Rubber	D2000 NBR

MAIN DIMENSIONS

Size	3"	4"	6"	8"	10"	12"	10"	12"
L	8.8"	9.5"	11.0"	12.0"	14.0"	14.5"	13"	14"
H	11.0"	11.8"	16.4"	20.7"	24.5"	28.0"	44-1/2"	52"
D	10.0"	10.0"	12.0"	14.0"	16.0"	16.0"	34-3/4"	40-1/6"

NIPPLES

NIPPLES AND FITTINGS

NIPPLES & FITTINGS



BRASS & BRONZE

Brass Nipples - Sch 40
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Bronze Fittings
Lead Free Bronze Fittings
C/P Fittings
Bronze Cleanout Plugs
Bronze Drop Ear Elbows
Bronze Barbs for PL. Pipe
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- Many malleable fittings not listed in the catalog
- Aluminum nipples and fittings
- Tank accessories - duplex tank bushings, double tapped bushings and vent caps
- Sch 40 seamless steel nipples
- Many odd sizes of nipples and fittings not listed in catalog

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer.
For more information, visit www.P65Warnings.ca.gov



BRASS NIPPLES



We hereby certify that to the best of our knowledge and belief the CDA 230 alloy seamless Red Brass Pipe from which our nipples are produced meet the requirements of ASTM Specifications B43 and is free of mercury contamination. The chemical analysis is 85% copper, 15% Zinc and conforms to federal Specifications WWN-351. Our brass nipples meet ANSI/ASTM B687-96 and MS51846 for standard brass nipples, and MS51872 for extra heavy brass nipples.

Threads: Nipples are threaded with American Standard taper pipe threads (NPT) in accordance with screw-thread standard for Federal Services Handbook H-58. ANSI B1.20.1

This product is certified by NSF to NSF/ANSI 61 for use in drinking water supplies of pH 6.5 and above.

PRICING FILE AVAILABLE ONLINE

- ASTM B43
- ANSI B1.20.1, WW-N-351
- ANSI/ ASTM B687-96
- NSF-61 Approved
- MS51846 STD Brass Nipples
- RoHS compliant

SEE OUR WEBSITE FOR SCH 80 BRASS NIPPLES - EXTRA HEAVY

STANDARD RED BRASS 85% PIPE WITH THREADED ENDS SPECIFICATIONS:

Pipe Size in Inches	Dimension in Inches		
	O.D.	I.D.	Wall Thickness
1/8"	.405	.281	.062
1/4"	.540	.376	.082
3/8"	.675	.495	.090
1/2"	.840	.626	.107
3/4"	1.050	.822	.114
1"	1.315	1.063	.126
1-1/4"	1.660	1.368	.146
1-1/2"	1.900	1.600	.150
2"	2.375	2.063	.156
2-1/2"	2.875	2.501	.187
3"	3.500	3.062	.219
3-1/2"	4.000	3.500	.250
4"	4.500	4.000	.250
4-1/2"	5.000	4.500	.250
5"	5.563	5.063	.250
6"	6.625	6.125	.250

Standard Size (Inches)	Allowable Pressure POUNDS PER SQUARE INCH			
	@ 100° F	@ 200° F	@ 300° F	@ 400° F
1/8"	370	370	320	140
1/4"	870	870	760	330
3/8"	890	890	780	340
1/2"	900	900	790	340
3/4"	810	810	710	310
1"	630	630	560	240
1-1/4"	690	690	610	260
1-1/2"	630	630	560	240
2"	540	540	480	210
2-1/2"	450	450	390	170
3"	510	510	450	190
3-1/2"	570	570	500	220
4"	510	510	440	190
5"	410	410	360	160
6"	340	340	300	130

No-Lead 125LB seamless Threaded Red Brass Nipples - 2200

LEAD FREE



WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

SCH 40 SEAMLESS

NIPPLES AND FITTINGS

113RB



1/8" - 27



1/8" DIAMETER SCH 40 SEAMLESS

MIDLAND	AMC	CHAMPION	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
40001	80300-02	112RB-A	Close (3/4")	25/400	0.02	
40002	80300-0215	113RB-A15	x 1-1/2"	25/400	0.03	
40003	80300-0220	113RB-A2	x 2"	25/400	0.04	
40004	80300-0225	113RB-A25	x 2-1/2"	25/400	0.05	
40005	80300-0230	113RB-A3	x 3"	25/400	0.06	
40006	80300-0235	113RB-A35	x 3-1/2"	25/400	0.07	
40007	80300-0240	113RB-A4	x 4"	25/400	0.08	
40008	80300-0245	113RB-A45	x 4-1/2"	25/400	0.10	
40009	80300-0250	113RB-A5	x 5"	25/400	0.11	
40010	80300-0255	113RB-A55	x 5-1/2"	25/400	0.12	
40011	80300-0260	113RB-A6	x 6"	25/400	0.13	
40012	80300-0270	113RB-A7	x 7"	25/400	0.15	
40013	80300-0280	113RB-A8	x 8"	25/400	0.17	
40014	80300-0290	113RB-A9	x 9"	25/400	0.19	
40015	80300-0292	113RB-A10	x 10"	25/400	0.21	
40016	80300-0294	113RB-A11	x 11"			
40017	80300-0296	113RB-A12	x 12"	25/400	0.25	
40018			x 14"	1/1	0.29	
40019			x 16"	1/1	0.34	



1/4" - 18



1/4" DIAMETER SCH 40 SEAMLESS

MIDLAND	AMC	CHAMPION	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
40020	80300-04	112RB-B	Close (7/8")	25/400	0.03	
40021	80300-0415	113RB-B15	x 1-1/2"	25/400	0.05	
40022	80300-0420	113RB-B2	x 2"	25/400	0.07	
40023	80300-0425	113RB-B25	x 2-1/2"	25/400	0.09	
40024	80300-0430	113RB-B3	x 3"	25/400	0.11	
40025	80300-0435	113RB-B35	x 3-1/2"	25/400	0.13	
40026	80300-0440	113RB-B4	x 4"	25/400	0.14	
40027	80300-0445	113RB-B45	x 4-1/2"	25/400	0.16	
40028	80300-0450	113RB-B5	x 5"	25/400	0.18	
40029	80300-0455	113RB-B55	x 5-1/2"	25/400	0.20	
40030	80300-0460	113RB-B6	x 6"	25/400	0.22	
40031	80300-0470	113RB-B7	x 7"	25/200	0.25	
40032	80300-0480	113RB-B8	x 8"	25/200	0.29	
40033	80300-0490	113RB-B9	x 9"	25/200	0.33	
40034	80300-0492	113RB-B10	x 10"	25/200	0.36	
40035	80300-0494	113RB-B11	x 11"	25/200	0.40	
40036	80300-0496	113RB-B12	x 12"	25/200	0.43	

See page pipe fittings for Yellow Brass Nipples

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

SCH 40 SEAMLESS

NIPPLES AND FITTINGS



3/8"-18

3/8" DIAMETER SCH 40 SEAMLESS

MIDLAND	AMC	CHAMPION	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
40040	80300-06	112RB-C	Close (1")	25/400	0.05	
40041	80300-0615	113RB-C15	x 1-1/2"	25/400	0.08	
40042	80300-0620	113RB-C2	x 2"	25/400	0.10	
40043	80300-0625	113RB-C25	x 2-1/2"	25/400	0.13	
40044	80300-0630	113RB-C3	x 3"	25/400	0.16	
40045	80300-0635	113RB-C35	x 3-1/2"	25/400	0.18	
40046	80300-0640	113RB-C4	x 4"	25/400	0.21	
40047	80300-0645	113RB-C45	x 4-1/2"	25/300	0.23	
40048	80300-0650	113RB-C5	x 5"	25/300	0.26	
40049	80300-0655	113RB-C55	x 5-1/2"	25/300	0.29	
40050	80300-0660	113RB-C6	x 6"	25/300	0.31	
40051	80300-0670	113RB-C7	x 7"	25/200	0.36	
40052	80300-0680	113RB-C8	x 8"	25/150	0.42	
40053	80300-0690	113RB-C9	x 9"	25/150	0.47	
40054	80300-0692	113RB-C10	x 10"	25/100	0.52	
40055	80300-0694	113RB-C11	x 11"	25/100	0.57	
40056	80300-0696	113RB-C12	x 12"	25/100	0.62	

113RB



1/2" - 14

1/2" DIAMETER SCH 40 SEAMLESS

MIDLAND	AMC	CHAMPION	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
40060	80300-08	112RB-D	Close (1-1/8")	25/400	0.09	
40061	80300-0815	113RB-D15	x 1-1/2"	25/400	0.12	
40062	80300-0820	113RB-D2	x 2"	25/400	0.16	
40063	80300-0825	113RB-D25	x 2-1/2"	25/300	0.20	
40064	80300-0830	113RB-D3	x 3"	25/300	0.23	
40065	80300-0835	113RB-D35	x 3-1/2"	25/300	0.27	
40066	80300-0840	113RB-D4	x 4"	25/200	0.31	
40067	80300-0845	113RB-D45	x 4-1/2"	25/200	0.35	
40068	80300-0850	113RB-D5	x 5"	25/200	0.39	
40069	80300-0855	113RB-D55	x 5-1/2"	25/200	0.43	
40070	80300-0860	113RB-D6	x 6"	25/200	0.47	
40071	80300-0870	113RB-D7	x 7"	25/100	0.55	
40072	80300-0880	113RB-D8	x 8"	25/100	0.62	
40073	80300-0890	113RB-D9	x 9"	25/100	0.70	
40074	80300-0892	113RB-D10	x 10"	25/75	0.78	
40075	80300-0894	113RB-D11	x 11"	25/75	0.86	
40076	80300-0896	113RB-D12	x 12"	25/75	0.94	
40079			x 24"			
40245			x 36"			

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



SCH 40 SEAMLESS

NIPPLES AND FITTINGS

NIPPLES & FITTINGS



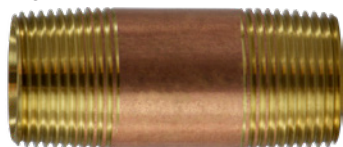
LEAD FREE

3/4" - 14

3/4" DIAMETER SCH 40 SEAMLESS

MIDLAND	AMC	CHAMPION	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
40080	80300-12	112RB-E	Close (1- 3/8")	25/400	0.15	
40081	80300-1215	113RB-E15	x 1-1/2"	25/400	0.16	
40082	80300-1220	113RB-E2	x 2"	25/300	0.21	
40083	80300-1225	113RB-E25	x 2-1/2"	25/300	0.27	
40084	80300-1230	113RB-E3	x 3"	25/200	0.32	
40085	80300-1235	113RB-E35	x 3-1/2"	25/200	0.37	
40086	80300-1240	113RB-E4	x 4"	25/150	0.43	
40087	80300-1245	113RB-E45	x 4-1/2"	25/150	0.48	
40088	80300-1250	113RB-E5	x 5"	25/100	0.53	
40089	80300-1255	113RB-E55	x 5-1/2"	25/100	0.59	
40090	80300-1260	113RB-E6	x 6"	25/100	0.64	
40091	80300-1270	113RB-E7	x 7"	25/75	0.75	
40092	80300-1280	113RB-E8	x 8"	25/75	0.85	
40093	80300-1290	113RB-E9	x 9"	25/75	0.96	
40094	80300-1292	113RB-E10	x 10"	25/50	1.06	
40095	80300-1294	113RB-E11	x 11"	25/50	1.17	
40096	80300-1296	113RB-E12	x 12"	25/50	1.28	
40097	80300-129918		x 18"	1/1	1.92	
40098	80300-129924		x 24"	1/1	2.56	

113RB



LEAD FREE

1" - 11 1/2

1" DIAMETER SCH 40 SEAMLESS

MIDLAND	AMC	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
40100	80300-16	Close (1-1/2")	25/200	0.23	
40101	80300-1620	x 2"	25/200	0.30	
40102	80300-1625	x 2-1/2"	25/150	0.38	
40103	80300-1630	x 3"	25/150	0.45	
40104	80300-1635	x 3-1/2"	25/100	0.53	
40105	80300-1640	x 4"	25/100	0.60	
40106	80300-1645	x 4-1/2"	25/100	0.68	
40107	80300-1650	x 5"	25/75	0.75	
40108	80300-1655	x 5-1/2"	25/75	0.83	
40109	80300-1660	x 6"	25/50	0.94	
40110	80300-1670	x 7"	25/50	1.05	
40111	80300-1680	x 8"	25/50	1.20	
40112	80300-1690	x 9"	25/50	1.35	
40113	80300-1692	x 10"	25/50	1.50	
40114	80300-1694	x 11"	25/50	1.65	
40115	80300-1696	x 12"	20/40	1.80	
40118		x 18"			
40119		x 24"			

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SCH 40 SEAMLESS

NIPPLES AND FITTINGS



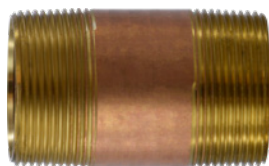
**LEAD
FREE**

1 1/4" - 11 1/2"

1-1/4" DIAMETER SCH 40 SEAMLESS

MIDLAND	AMC	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
40120	80300-20	Close (1-5/8")	25/100	0.36	
40121	80300-2020	x 2"	25/100	0.44	
40122	80300-2025	x 2-1/2"	25/100	0.56	
40123	80300-2030	x 3"	25/100	0.67	
40124	80300-2035	x 3-1/2"	25/100	0.78	
40125	80300-2040	x 4"	25/50	0.89	
40126	80300-2045	x 4-1/2"	25/50	1.00	
40127	80300-2050	x 5"	25/50	1.11	
40128	80300-2055	x 5-1/2"	25/50	1.22	
40129	80300-2060	x 6"	25/50	1.33	
40130	80300-2070	x 7"	25/50	1.56	
40131	80300-2080	x 8"	25/50	1.78	
40132	80300-2090	x 9"	25/50	2.00	
40133	80300-2092	x 10"	25/50	2.22	
40134	80300-2094	x 11"	25/50	2.45	
40135	80300-2096	x 12"	25/50	2.67	
40136	80300-209918	x 18"	1/1	4.00	

113RB



**LEAD
FREE**

1-1/2" - 11 1/2"

1-1/2" DIAMETER SCH 40 SEAMLESS

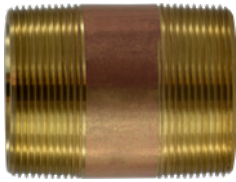
MIDLAND	AMC	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
40140	80300-24	Close (1-3/4")	25/100	0.46	
40141	80300-2420	x 2"	25/100	0.53	
40142	80300-2425	x 2-1/2"	25/50	0.66	
40143	80300-2430	x 3"	25/50	0.79	
40144	80300-2435	x 3-1/2"	25/50	0.93	
40145	80300-2440	x 4"	25/50	1.06	
40146	80300-2445	x 4-1/2"	25/50	1.19	
40147	80300-2450	x 5"	20/40	1.32	
40148	80300-2455	x 5-1/2"	20/40	1.46	
40149	80300-2460	x 6"	20/40	1.59	
40150	80300-2470	x 7"	20/40	1.85	
40151	80300-2480	x 8"	20/40	2.12	
40152	80300-2490	x 9"	20/40	2.38	
40153	80300-2492	x 10"	20/40	2.65	
40154	80300-2494	x 11"	1/40	2.91	
40155	80300-2496	x 12"	1/15	3.18	
40156	80300-249918	x 18"	1/1	4.77	

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



SCH 40 SEAMLESS

NIPPLES AND FITTINGS



**LEAD
FREE**

2" - 11 1/2

2" DIAMETER SCH 40 SEAMLESS

MIDLAND	AMC	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
40160	80300-32	Close (2")	25/50	0.69	
40161	80300-3225	x 2-1/2"	25/50	0.86	
40162	80300-3230	x 3"	25/50	1.03	
40163	80300-3235	x 3-1/2"	25/50	1.20	
40164	80300-3240	x 4"	1/25	1.37	
40165	80300-3245	x 4-1/2"	1/25	1.54	
40166	80300-3250	x 5"	1/25	1.72	
40167	80300-3255	x 5-1/2"	1/25	1.89	
40168	80300-3260	x 6"	1/25	2.06	
40169	80300-3270	x 7"	1/20	2.40	
40170	80300-3280	x 8"	1/18	2.74	
40171	80300-3290	x 9"	1/18	3.09	
40172	80300-3292	x 10"	1/18	3.43	
40173	80300-3294	x 11"	1/18	3.77	
40174	80300-3296	x 12"	1/14	4.12	
40175	80300-329918	x 18"	1/1	6.18	
40176	80300-329924	x 24"	1/1	8.24	
40178	80300-329936	x 36"	1/1	12.36	
40179	80300-329948	x 48"	1/1	16.48	

113RB



**LEAD
FREE**

2 1/2" - 8

2-1/2" DIAMETER SCH 40 SEAMLESS

MIDLAND	AMC	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
40180	80300-40	Close (2-1/2")	1/36	1.26	
40181	80300-4030	x 3"	1/36	1.51	
40182	80300-4035	x 3-1/2"	1/30	1.76	
40183	80300-4040	x 4"	1/30	2.02	
40184	80300-4045	x 4-1/2"	1/30	2.27	
40185	80300-4050	x 5"	1/20	2.52	
40186	80300-4055	x 5-1/2"	1/20	2.77	
40187	80300-4060	x 6"	1/20	3.03	
40193		x 12"			

See our Valve section for 2-1/2, 3 and 4" Valves

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

SCH 40 SEAMLESS

NIPPLES AND FITTINGS



**LEAD
FREE**

3" DIAMETER SCH 40 SEAMLESS

MIDLAND	AMC	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
40200	80300-48	Close (2-5/8")	1/24	1.89	
40201	80300-4830	x 3"	1/20	2.16	
40202	80300-4835	x 3-1/2"	1/18	2.52	
40203	80300-4840	x 4"	1/18	2.88	
40204	80300-4845	x 4-1/2"	1/18	3.24	
40205	80300-4850	x 5"	1/18	3.60	
40206	80300-4855	x 5-1/2"	1/18	3.96	
40207	80300-4860	x 6"	1/12	4.32	
40209	80300-4880	x 8"	1/1	5.76	
40213	80300-4896	x 12"	1/1		

113RB



**LEAD
FREE**

4" DIAMETER SCH 40 SEAMLESS

MIDLAND	AMC	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
40220	80300-64	Close (2-7/8)	1/20	2.40	
40221	80300-6430	x 3"	1/10	2.72	
40222	80300-6435	x 3-1/2"	1/10	3.18	
40223	80300-6440	x 4"	1/10	3.71	
40224	80300-6445	x 4-1/2"	1/5	4.24	
40225	80300-6450	x 5"	1/5	4.77	
40226	80300-6455	x 5-1/2"	1/5	5.30	
40234	80300-6460	x 6"	1/5	6.36	



**LEAD
FREE**

6" DIAMETER SCH 40 SEAMLESS

MIDLAND	AMC	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
40254		Close	1/1	4.94	
40256		x 4"	1/1	6.54	
40259		x 4-1/2"	1/1	7.12	
40260		x 5"	1/1	7.91	
40261		x 6"	1/1	9.49	

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



CHROME PLATED

NIPPLES AND FITTINGS

113CP



3/8" DIAMETER CHROME PLATED

MIDLAND	AMC	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
41040	81300-06	X Close	5/25	0.05	
41041	81300-0615	x 1-1/2"	5/25	0.08	
41042	81300-0620	x 2"	5/25	0.10	
41043	81300-0625	x 2-1/2"	5/25	0.13	
41044	81300-0630	x 3"	5/25	0.16	
41045	81300-0635	x 3-1/2"	5/25	0.18	
41046	81300-0640	x 4"	5/25	0.21	
41047	81300-0645	x 4-1/2"	5/25	0.23	
41048	81300-0650	x 5"	5/25	0.26	
41049	81300-0655	x 5-1/2"	5/25	0.29	
41050	81300-0660	x 6"	5/25	0.31	
41054	81300-0692	x 10"	1/1	0.52	
41056	81300-0696	x 12"	1/1	0.62	



1/2" DIAMETER CHROME PLATED

MIDLAND	AMC	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
41060	81300-08	X Close	5/25	0.09	
41061	81300-0815	x 1-1/2"	5/25	0.12	
41062	81300-0820	x 2"	5/25	0.16	
41063	81300-0825	x 2-1/2"	5/25	0.20	
41064	81300-0830	x 3"	5/25	0.23	
41065	81300-0835	x 3-1/2"	5/25	0.27	
41066	81300-0840	x 4"	5/25	0.31	
41067	81300-0845	x 4-1/2"	5/25	0.35	
41068	81300-0850	x 5"	5/25	0.39	
41069	81300-0855	x 5-1/2"	5/25	0.43	
41070	81300-0860	x 6"	5/25	0.47	
41074	81300-0892	x 10"	1/1	0.78	
41075		x 11"	1/1	0.86	
41076	81300-0896	x 12"	1/1	0.94	
41077		x 18"	1/1	1.41	
41079		x 24"	1/1	1.88	
41244		x 36"	1/1	2.82	
41245		x 48"	1/1	3.76	

 **WARNING:** This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

CHROME PLATED

NIPPLES AND FITTINGS



81300-12

3/4" DIAMETER CHROME PLATED

MIDLAND	AMC	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
41080	81300-12	Close (1- 3/8")	25/400	0.15	
41081	81300-1215	x 1-1/2"	25/400	0.16	
41082	81300-1220	x 2"	25/300	0.21	
41083	81300-1225	x 2-1/2"	25/300	0.27	
41084	81300-1230	x 3"	25/200	0.32	
41085	81300-1235	x 3-1/2"	25/200	0.37	
41086	81300-1240	x 4"	25/150	0.43	
41087	81300-1245	x 4-1/2"	25/150	0.48	
41088	81300-1250	x 5"	25/100	0.53	
41089	81300-1255	x 5-1/2"	25/100	0.59	
41090	81300-1260	x 6"	25/100	0.64	



81300-16

1" DIAMETER CHROME PLATED

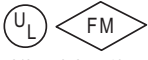
MIDLAND	AMC	LENGTH	BOX/CASE	APPROX. WT. LBS.	LIST
41100	81300-16	Close (1-1/2")	25/200	0.23	
41101	81300-1620	x 2"	25/200	0.30	
41102	81300-1625	x 2-1/2"	25/150	0.38	
41103	81300-1630	x 3"	25/150	0.45	
41104	81300-1635	x 3-1/2"	25/100	0.53	
41105	81300-1640	x 4"	25/100	0.60	
41106	81300-1645	x 4-1/2"	25/100	0.68	
41107	81300-1650	x 5"	25/75	0.75	
41108	81300-1655	x 5-1/2"	25/75	0.83	
41109	81300-1660	x 6"	25/50	0.94	

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BRONZE FITTINGS

NIPPLES AND FITTINGS

BRONZE FITTINGS



UL842, UL258, UL125, FM

Class 125 (150) For steam, water, gas, oil and air service

Standard specifications

Materials - ASTM B62-93 (85,5,5,5) C83600

Dimensions - ANSI B 16.15

Threads - ANSI B2.1 or BA 21 and Fed. WW-P-460C, MSS-SP-106, ANSI/ASME B1.20.1

PRICING FILE AVAILABLE ONLINE

- UL/ FM Approved
- ISO 9001:2000
- Not Lead Free
- RoHS Compliant

Bronze threaded fittings are manufactured from smooth-cored castings, designed to provide full flow with minimum restriction. All threads are accurately machined and gauged to ensure a perfect fit with the pipe. All fittings are individually tested under water to ensure quality. Bronze provides a tighter seal and is easier to install than other metals. Can be used for water, plumbing, heating, pneumatic and marine applications, able to resist the harmful effects of corrosion when coming into contact with salt water or fresh water polluted with mineral acids or peaty soils.

LEAD FREE BRASS FITTINGS

LEAD FREE



- Approved to ANSI/NSF 61-4 California AB 1953
- Meets Federal State Drinking Water Act, Lead Free Requirement
- Brass fittings conform to AWWA C800
- Brass castings conform to ASTM B584, UNS Alloy C8933

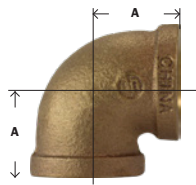
- Brass fittings dimensions conform to ASME B16.15
- NPT threads on all fittings conform to ASME B1.20.1
- Brass unions conform to specification A-A-59617
- Manufacturing facilities are ISO 9001:2008

PRICING FILE AVAILABLE ONLINE

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

BRONZE/ LEAD FREE BRONZE

NIPPLES AND FITTINGS



100RB

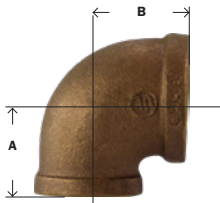
738100



90° ELBOWS

MIDLAND	AMC	LIST	BOX/CASE	SIZE	MIDLAND	AMC	LIST
44100	38100-02		50/600	1/8"	44100LF	738100-02	
44101	38100-04		35/420	1/4"	44101LF	738100-04	
44102	38100-06		90/360	3/8"	44102LF	738100-06	
44103	38100-08		50/200	1/2"	44103LF	738100-08	
44104	38100-12		35/105	3/4"	44104LF	738100-12	
44105	38100-16		20/60	1"	44105LF	738100-16	
44106	38100-20		20/40	1-1/4"	44106LF	738100-20	
44107	38100-24		15/30	1-1/2"	44107LF	738100-24	
44108	38100-32		8/16	2"	44108LF	738100-32	
44109	38100-40		1/12	2-1/2"	44109LF	738100-40	
44110	38100-48		1/4	3"	44110LF	738100-48	
44112	38100-64		1/2	4"	44112LF	738100-64	

• Other sizes available online



100RRB

738105



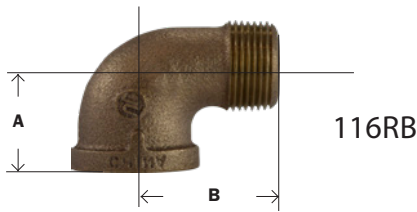
90° REDUCING ELBOWS

MIDLAND	AMC	LIST	BOX/CASE	SIZE	MIDLAND	AMC	LIST
44120	38105-0402			1/4 x 1/8	44120LF	738105-0402	
				3/8 x 1/8	44121LF	738105-0602	
44122	38105-0604			3/8 x 1/4	44122LF	738105-0604	
44123	38105-0804		60/240	1/2 x 1/4	44123LF	738105-0804	
44124	38105-0806		60/240	1/2 x 3/8	44124LF	738105-0806	
44125	38105-1204		40/160	3/4 x 1/4	44125LF	738105-1204	
				3/4 x 3/8	44126LF	738105-1206	
44127	38105-1208			3/4 x 1/2	44127LF	738105-1208	
				1 x 1/4	44128LF	738105-1604	
				1 x 3/8	44129LF		
				1 x 1/2	44130LF	738105-1608	
44131	38105-1612		50/100	1 x 3/4	44131LF	738105-1612	
				1 1/4 x 1/2	44132LF		
				1 1/4 x 3/4	44133LF	738105-2012	
44134	38105-2016		25/50	1 1/4 x 1	44134LF	738105-2016	
				1 1/2 x 1/2	44135LF	738105-2408	
				1 1/2 x 3/4	44136LF	738105-2412	
44137	38105-2416		10/40	1 1/2 x 1	44137LF	738105-2416	
				1 1/2 x 1 1/4	44138LF	738105-2420	
44140	38105-3216			2 x 1	44140LF	738105-3216	
				2 x 1 1/4	44141LF	738105-3220	
				2 x 1 1/2	44142LF	738105-3224	
				2 1/2 x 2	44146LF	738105-4032	
				3 x 2	44150LF	738105-4832	

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

BRONZE/ LEAD FREE BRONZE

NIPPLES AND FITTINGS



738116



90° STREET ELLS

MIDLAND	AMC	LIST	BOX/CASE	SIZE	MIDLAND	AMC	LIST
44160	38116-02		60/720	1/8"	44160LF	738116-02	
44161	38116-04		35/420	1/4"	44161LF	738116-04	
44162	38116-06		60/240	3/8"	44162LF	738116-06	
44163	38116-08		60/180	1/2"	44163LF	738116-08	
44164	38116-12		35/105	3/4"	44164LF	738116-12	
44165	38116-16		45/90	1"	44165LF	738116-16	
44166	38116-20		25/50	1-1/4"	44166LF	738116-20	
44167	38116-24		9/27	1-1/2"	44167LF	738116-24	
44168	38116-32		8/16	2"	44168LF	738116-32	
44169	38116-40		5/10	2-1/2"	44169LF	738116-40	
44170	38116-48		1/8	3"	44170LF	738116-48	



738107



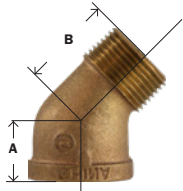
45° ELBOWS

MIDLAND	AMC	LIST	BOX/CASE	SIZE	MIDLAND	AMC	LIST
44180	38107-02		50/600	1/8"	44180LF	738107-02	
44181	38107-04		30/360	1/4"	44181LF	738107-04	
44182	38107-06		75/300	3/8"	44182LF	738107-06	
44183	38107-08		50/200	1/2"	44183LF	738107-08	
44184	38107-12		40/120	3/4"	44184LF	738107-12	
44185	38107-16		20/60	1"	44185LF	738107-16	
44186	38107-20		20/40	1-1/4"	44186LF	738107-20	
44187	38107-24		10/30	1-1/2"	44187LF	738107-24	
44188	38107-32		12/24	2"	44188LF	738107-32	
44189	38107-40		1/12	2-1/2"	44189LF	738107-40	
44190	38107-48		1/10	3"	44190LF	738107-48	
				4"	44191LF	738107-64	

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BRONZE/ LEAD FREE BRONZE

NIPPLES AND FITTINGS



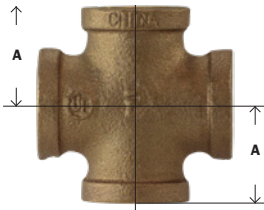
124RB

738124



45° STREET ELBOWS

MIDLAND	AMC	LIST	BOX/CASE	SIZE	MIDLAND	AMC	LIST
44200	38124-02		70/840	1/8"			
44201	38124-04		100/400	1/4"	44201LF	738124-04	
44202	38124-06		100/400	3/8"	44202LF	738124-06	
44203	38124-08		75/225	1/2"	44203LF	738124-08	
44204	38124-12		40/120	3/4"	44204LF	738124-12	
44205	38124-16		25/75	1"	44205LF	738124-16	
44206	38124-20		10/40	1-1/4"	44206LF	738124-20	
44207	38124-24		10/30	1-1/2"	44207LF	738124-24	
44208	38124-32		12/24	2"	44208LF	738124-32	



102RB

738102



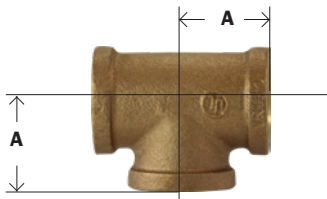
CROSSES

MIDLAND	AMC	LIST	BOX/CASE	SIZE	MIDLAND	AMC	LIST
44391	38102-04		60/240	1/4"	44391LF	738102-04	
44392	38102-06		50/150	3/8"	44392LF	738102-06	
44393	38102-08		30/90	1/2"	44393LF	738102-08	
44394	38102-12		20/60	3/4"	44394LF	738102-12	
44395	38102-16		15/30	1"	44395LF	738102-16	
44396	38102-20		10/20	1-1/4"	44396LF	738102-20	
44397	38102-24		8/16	1-1/2"	44397LF	738102-24	
44398			5/10	2"	44398LF	738102-32	

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BRONZE/ LEAD FREE BRONZE

NIPPLES AND FITTINGS



101RB

**LEAD
FREE**



TEES

MIDLAND	AMC	LIST	BOX/CASE	SIZE	MIDLAND	AMC	LIST
44250	38101-02		120/480	1/8"	44250LF	738101-02	
44251	38101-04		75/300	1/4"	44251LF	738101-04	
44252	38101-06		45/180	3/8"	44252LF	738101-06	
44253	38101-08		40/120	1/2"	44253LF	738101-08	
44254	38101-12		35/70	3/4"	44254LF	738101-12	
44255	38101-16		20/40	1"	44255LF	738101-16	
44256	38101-20		14/28	1-1/4"	44256LF	738101-20	
44257	38101-24		12/24	1-1/2"	44257LF	738101-24	
44258	38101-32		8/16	2"	44258LF	738101-32	
44259	38101-40		1/6	2-1/2"	44259LF	738101-40	
44260	38101-48		1/6	3"	44260LF	738101-48	
				4"	44261LF	738101-64	

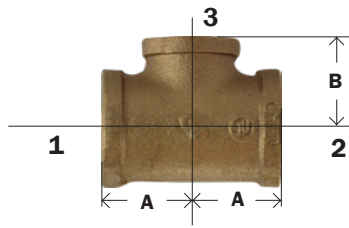


USE OUR APP WITH YOUR FREE BIN LABELS TO MANAGE YOUR CUSTOMERS INVENTORY MORE EFFICIENTLY

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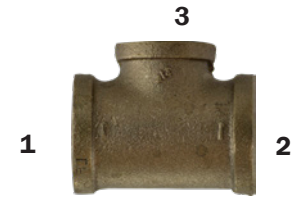
BRONZE/ LEAD FREE BRONZE

NIPPLES AND FITTINGS



101RRB

738106



REDUCING TEES REDUCING ON THE BRANCH

MIDLAND	AMC	LIST	BOX/CASE	SIZE 1 X 2 X 3	MIDLAND	AMC	LIST
				1/4 x 1/4 x 1/8	44270LF	738106-040402	
				3/8 x 3/8 x 1/4	44273LF	738106-060604	
44276	38106-080804		40/160	1/2 x 1/2 x 1/4	44276LF	738106-080804	
				1/2 x 1/2 x 3/8	44279LF	738106-080806	
44280	38106-080812		40/160	1/2 x 1/2 x 3/4	44280LF	738106-080812	
44287	38106-120808			3/4 x 1/2 x 1/2	44287LF	738106-120808	
				3/4 x 1/2 x 3/4	44288LF	738106-120812	
44282	38106-121204		25/100	3/4 x 3/4 x 1/4	44282LF	738106-121204	
44283	38106-121206		25/100	3/4 x 3/4 x 3/8	44283LF	738106-121206	
44286	38106-121208		20/80	3/4 x 3/4 x 1/2	44286LF	738106-121208	
				1 x 1/2 x 1/2	44292LF	738106-160808	
				1 x 1/2 x 3/4	44293LF	738106-160812	
44296	38106-161212			1 x 3/4 x 3/4	44296LF		
				1 x 1 x 1/4	44268LF	738106-161604	
				1 x 1 x 3/8	44290LF	738106-161606	
44291			15/60	1 x 1 x 1/2	44291LF	738106-161608	
44298	38106-161612		12/48	1 x 1 x 3/4	44298LF	738106-161612	
				1 1/4 x 1/2 x 1 1/4	44314LF		
44301	38106-202008		20/40	1 1/4 x 1 1/4 x 1/2	44301LF	738106-202008	
44303	38106-202012		20/40	1 1/4 x 1 1/4 x 3/4	44303LF	738106-202012	
44306	38106-202016		20/40	1 1/4 x 1 1/4 x 1	44306LF	738106-202016	
				1 1/2 x 1 1/2 x 1/2	44315LF		
				1 1/2 x 1 1/2 x 3/4	44316LF	738106-241212	
				1 1/2 x 1 1/2 x 1	44318LF		
				1 1/2 x 1 1/2 x 1 1/4	44322LF		
				2 x 2 x 1/2	44327LF	738106-323208	
				2 x 2 x 3/4	44328LF		
				2 x 2 x 1	44330LF	738106-323216	
				2 x 2 x 1 1/4	44334LF		
				2 x 2 x 1 1/2	44336LF	738106-323224	
				2 1/2 x 2 1/2 x 2	44344LF		
				3 x 3 x 2	44351LF	738106-484832	



VIEW PRICING AND AVAILABLE STOCK ONLINE

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

BRONZE/ LEAD FREE BRONZE

NIPPLES AND FITTINGS



103RB

738103



COUPLINGS

MIDLAND	AMC	LIST	BOX/CASE	SIZE	MIDLAND	AMC	LIST
44410	38103-02		70/840	1/8"	44410LF	738103-02	
44411	38103-04		40/480	1/4"	44411LF	738103-04	
44412	38103-06		40/480	3/8"	44412LF	738103-06	
44413	38103-08		60/240	1/2"	44413LF	738103-08	
44414	38103-12		50/150	3/4"	44414LF	738103-12	
44415	38103-16		25/100	1"	44415LF	738103-16	
44416	38103-20		16/64	1-1/4"	44416LF	738103-20	
44417	38103-24		18/36	1-1/2"	44417LF	738103-24	
44418	38103-32		12/24	2"	44418LF	738103-32	
44419	38103-40		1	2-1/2"	44419LF	738103-40	
44420	38103-48		1	3"	44420LF	738103-48	
				4"	44421LF	738103-64	

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BRONZE/ LEAD FREE BRONZE

NIPPLES AND FITTINGS



119RB

738119



REDUCING COUPLINGS

MIDLAND	AMC	LIST	BOX/CASE	SIZE	MIDLAND	AMC	LIST
44430	38119-0402		70/840	1/4" x 1/8"	44430LF	738119-0402	
44431	38119-0602		35/420	3/8" x 1/8"	44431LF	738119-0602	
44432	38119-0604		30/360	3/8" x 1/4"	44432LF	738119-0604	
44433	38119-0802		75/300	1/2" x 1/8"	44433LF		
44434	38119-0804		75/300	1/2" x 1/4"	44434LF	738119-0804	
44435	38119-0806		60/240	1/2" x 3/8"	44435LF	738119-0806	
44436	38119-1204		45/180	3/4" x 1/4"	44436LF	738119-1204	
44437	38119-1206		45/180	3/4" x 3/8"	44437LF	738119-1206	
44438	38119-1208		60/180	3/4" x 1/2"	44438LF	738119-1208	
44440	38119-1606		30/120	1" x 3/8"	44440LF		
44441	38119-1608		30/120	1" x 1/2"	44441LF	738119-1608	
44442	38119-1612		25/100	1" x 3/4"	44442LF	738119-1612	
44444	38119-2008		25/75	1-1/4" x 1/2"	44444LF	738119-2008	
44445	38119-2012		25/75	1-1/4" x 3/4"	44445LF	738119-2012	
44446	38119-2016		15/60	1-1/4" x 1"	44446LF	738119-2016	
44447	38119-2408		20/60	1-1/2" x 1/2"	44447LF	738119-2408	
44448	38119-2412		15/60	1-1/2" x 3/4"	44448LF	738119-2412	
44449	38119-2416		25/50	1-1/2" x 1"	44449LF	738119-2416	
44450	38119-2420		12/48	1-1/2" x 1-1/4"	44450LF	738119-2420	
44458	38119-3208		12/36	2" x 1/2"	44458LF		
44451	38119-3212		12/36	2" x 3/4"	44451LF	738119-3212	
44452	38119-3216		12/36	2" x 1"	44452LF	738119-3216	
44453	38119-3220		9/27	2" x 1-1/4"	44453LF	738119-3220	
44454	38119-3224		9/27	2" x 1-1/2"	44454LF	738119-3224	
44461	38119-4024		1	2-1/2" x 1-1/2"	44461LF		
44462	38119-4032		1	2-1/2" x 2"	44462LF	738119-4032	
44456	38119-4832		1	3" x 2"	44456LF		
44463	38119-4840		1	3" x 2-1/2"	44463LF		

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NIPPLES & FITTINGS

BRONZE/ LEAD FREE BRONZE

NIPPLES AND FITTINGS



108RB

738108



CAPS

MIDLAND	AMC	LIST	BOX/CASE	SIZE	MIDLAND	AMC	LIST
44470	38108-02		80/160	1/8"	44470LF	738108-02	
44471	38108-04		80/960	1/4"	44471LF	738108-04	
44472	38108-06		60/720	3/8"	44472LF	738108-06	
44473	38108-08		75/300	1/2"	44473LF	738108-08	
44474	38108-12		40/160	3/4"	44474LF	738108-12	
44475	38108-16		25/100	1"	44475LF	738108-16	
44476	38108-20		20/80	1-1/4"	44476LF	738108-20	
44477	38108-24		18/54	1-1/2"	44477LF	738108-24	
44478	38108-32		12/36	2"	44478LF	738108-32	
44479	38108-40			2-1/2"	44479LF	738108-40	
44480	38108-48		1	3"	44480LF	738108-48	
				4"	44481LF	738108-64	



104RB

738104



UNIONS

MIDLAND	AMC	LIST	BOX/CASE	SIZE	MIDLAND	AMC	LIST
44600	38104-02		40/160	1/8"	44600LF	738104-02	
44601	38104-04		40/160	1/4"	44601LF	738104-04	
44602	38104-06		40/160	3/8"	44602LF	738104-06	
44603	38104-08		50/100	1/2"	44603LF	738104-08	
44604	38104-12		35/70	3/4"	44604LF	738104-12	
44605	38104-16		20/40	1"	44605LF	738104-16	
44606	38104-20		15/30	1-1/4"	44606LF	738104-20	
44607	38104-24		10/20	1-1/2"	44607LF	738104-24	
44608	38104-32		6/12	2"	44608LF	738104-32	
44609	38104-40		4/8	2-1/2"	44609LF	738104-40	
44610	38104-48		4/8	3"	44610LF	738104-48	
				4"	44611LF	738104-64	

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BRONZE/ LEAD FREE BRONZE

NIPPLES AND FITTINGS



738110



HEX BUSHINGS

MIDLAND	AMC	LIST	BOX/CASE	SIZE	MIDLAND	AMC	LIST
44500	38110-0402		120/1440	1/4" x 1/8"	44500LF	738110-0402	
44501	38110-0602		75/900	3/8" x 1/8"	44501LF	738110-0602	
44502	38110-0604		75/900	3/8" x 1/4"	44502LF	738110-0604	
44503	38110-0802		150/600	1/2" x 1/8"	44503LF	738110-0802	
44504	38110-0804		150/600	1/2" x 1/4"	44504LF	738110-0804	
44505	38110-0806		150/600	1/2" x 3/8"	44505LF	738110-0806	
44506	38110-1202		75/300	3/4" x 1/8"	44506LF	738110-1202	
44507	38110-1204		75/300	3/4" x 1/4"	44507LF	738110-1204	
44508	38110-1206		75/300	3/4" x 3/8"	44508LF	738110-1206	
44509	38110-1208		75/300	3/4" x 1/2"	44509LF	738110-1208	
44557	38110-1602		50/200	1" x 1/8"			
44510*	38110-1604		50/200	1" x 1/4"	44510LF*	738110-1604	
44511*	38110-1606		50/200	1" x 3/8"	44511LF	738110-1606	
44512	38110-1608		50/200	1" x 1/2"	44512LF	738110-1608	
44513	38110-1612		50/200	1" x 3/4"	44513LF	738110-1612	
44514	38110-2004		30/120	1-1/4" x 1/4"	44514LF	738110-2004	
44515	38110-2006		30/120	1-1/4" x 3/8"	44515LF	738110-2006	
44516*	38110-2008		30/120	1-1/4" x 1/2"	44516LF*	738110-2008	
44517	38110-2012		30/120	1-1/4" x 3/4"	44517LF	738110-2012	
44518	38110-2016		30/120	1-1/4" x 1"	44518LF	738110-2016	
44519*	38110-2404		25/75	1-1/2" x 1/4"	44519LF	738110-2404	
44520*	38110-2406		25/75	1-1/2" x 3/8"	44520LF	738110-2406	
44521*	38110-2408		25/75	1-1/2" x 1/2"	44521LF*	738110-2408	
44522*	38110-2412		25/75	1-1/2" x 3/4"	44522LF*	738110-2412	
44523	38110-2416		25/75	1-1/2" x 1"	44523LF	738110-2416	
44524	38110-2420		25/75	1-1/2" x 1-1/4"	44524LF	738110-2420	
44527*	38110-3208		20/60	2" x 1/2"	44527LF	738110-3208	
44528*	38110-3212		20/60	2" x 3/4"	44528LF	738110-3212	
44529*	38110-3216		20/60	2" x 1"	44529LF*	738110-3216	
44530	38110-3220		20/60	2" x 1-1/4"	44530LF	738110-3220	
44531	38110-3224		20/60	2" x 1-1/2"	44531LF	738110-3224	
44532	38110-4016		15/30	2-1/2" x 1"	44532LF	738110-4016	
			15/30	2-1/2" x 1-1/4"	44533LF	738110-4020	
44534	38110-4024		15/30	2-1/2" x 1-1/2"	44534LF	738110-4024	
44535	38110-4032		15/30	2-1/2" x 2"	44535LF	738110-4032	
44537	38110-4824		12/24	3" x 1-1/2"	44537LF	738110-4824	
44538	38110-4832		12/24	3" x 2"	44538LF	738110-4832	
44539	38110-4840		12/24	3" x 2-1/2"	44539LF	738110-4840	
44541	38110-6432		5/10	4" x 2"	44541LF	738110-6432	
			5/10	4" x 2-1/2"	44542LF	738110-6440	
44543	38110-6448		12/24	4" x 3"	44543LF	738110-6448	

* INSIDE HEX

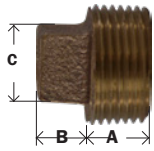


WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

NIPPLES & FITTINGS

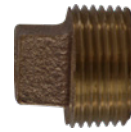
BRONZE/ LEAD FREE BRONZE

NIPPLES AND FITTINGS



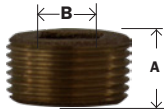
109RB

738109



CORED SQUARE HEAD PLUGS

MIDLAND	AMC	LIST	BOX/CASE	SIZE	MIDLAND	AMC	LIST
44650*	38109-02		300/3600	1/8"	44650LF	738109-02	
44651*	38109-04		150/1800	1/4"	44651LF	738109-04	
44652*	38109-06		100/1200	3/8"	44652LF	738109-06	
44653	38109-08		50/600	1/2"	44653LF	738109-08	
44654	38109-12		30/360	3/4"	44654LF	738109-12	
44655	38109-16		20/240	1"	44655LF	738109-16	
44656	38109-20		40/120	1-1/4"	44656LF	738109-20	
44657	38109-24		30/90	1-1/2"	44657LF	738109-24	
44658	38109-32		20/60	2"	44658LF	738109-32	
44659	38109-40		16/32	2-1/2"	44659LF	738109-40	
44660	38109-48		16/32	3"	44660LF	738109-48	
44662	38109-64		6/12	4"	44662LF	738109-64	



109ALRB

SQUARE DRIVE BRONZE COUNTERSUNK PLUGS

738115



MIDLAND	AMC	LIST	SIZE	BOX/CASE	MIDLAND	AMC	LIST
			1/8"		44630LF		
			1/4"		44631LF		
			3/8"		44632LF		
44633	38115-08		1/2"	120/1440	44633LF		
44634	38115-12		3/4"	70/840	44634LF		
44635	38115-16		1"	20/240	44635LF		
44636	38115-20		1-1/4"	40/120	44636LF		
44637	38115-24		1-1/2"	30/90	44637LF		
44638	38115-32		2"	20/60	44638LF		
44639	38115-40		2-1/2"	1/1	44639LF		
44640	38115-48		3"	1/1	44640LF		
44641	83115-64		4"	1/1	44641LF		

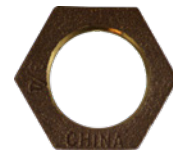


• Straight Thread

111RB

HEX LOCKNUTS

738111

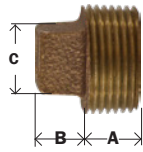


MIDLAND	AMC	LIST	BOX/CASE	SIZE	MIDLAND	AMC	LIST
44700	38111-02		180/720	1/8"	44700LF	780111-02	
44701	38111-04		90/540	1/4"	44701LF	738111-04	
44702	38111-06		90/540	3/8"	44702LF	738111-06	
44703	38111-08		90/360	1/2"	44703LF	738111-08	
44704	38111-12		90/360	3/4"	44704LF	738111-12	
44705	38111-16		50/150	1"	44705LF	738111-16	
44706	38111-20		45/180	1-1/4"	44706LF	738111-20	
44707	38111-24		45/135	1-1/2"	44707LF	738111-24	
44708	38111-32		25/75	2"	44708LF	738111-32	

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BRONZE/ LEAD FREE BRONZE

NIPPLES AND FITTINGS



109SRB

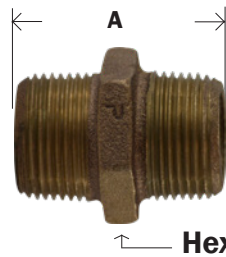
738114

SOLID SQUARE HEAD PLUGS



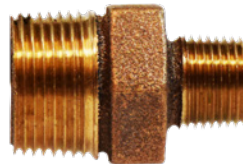
MIDLAND	AMC	LIST	SIZE	BOX/CASE	MIDLAND	AMC	LIST
44670	38114-02		1/8"	400/4800	44670LF	738114-02	
44671	38114-04		1/4"	150/1800	44671LF	738114-04	
44672	38114-06		3/8"	120/1440	44672LF	738114-06	
44673	38114-08		1/2"	50/600	44673LF	738114-08	
44674	38114-12		3/4"	35/420	44674LF	738114-12	
44675	38114-16		1"	20/240	44675LF	738114-16	
44676	38114-20		1-1/4"	30/120	44676LF	738114-20	
44677	38114-24		1-1/2"	30/90	44677LF	738114-24	
44678	38114-32		2"	10/60	44678LF	738114-32	
			2-1/2"		44679LF	780114-40	
			3"		44680LF	780114-48	

HEX NIPPLES



MIDLAND	AMC	LIST	SIZE	BOX/CASE
44720			1/8"	400/4800
44721			1/4"	150/1800
44722			3/8"	120/1440
44723			1/2"	240/480
44724			3/4"	80/320
44725			1"	50/150
44726			1-1/4"	50/100
44727			1-1/2"	35/70
44728			2"	20/40
44729			2-1/2"	1
44730M			3"	4/8

REDUCING HEX NIPPLES



MIDLAND	AMC	LIST	SIZE	BOX/CASE
44740			1/4" x 1/8"	1/1
44742			1/2" x 3/8"	1/1
44753			1-1/2" x 1-1/4"	1/1

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BRONZE/ LEAD FREE BRONZE

NIPPLES AND FITTINGS

FLANGE THREADED COMPANION LEAD-FREE



MIDLAND	AMC	LIST	SIZE	STD. PACK.	WT. PER 100
44790LF	738150-08		1/2" x 3-1/2"	1	95
44791LF	780150-12		3/4" x 3-7/8"	1	124
44792LF	738150-16		1" x 4-1/4"	1	168
44793LF	738150-20		1-1/4" x 4-5/8"	1	224
44794LF	738150-24		1-1/2" x 5"	1	251
44795LF	738150-32		2" x 6"	1	454
44796LF	738150-40		2-1/2" x 7"	1	673
44797LF	738150-48		3" x 7-1/2"	1	864
44798LF	738150-64		4" x 9"	1	1227
44799LF	780150-80		5" x 10"	1	1495
44800LF			6" x 11"	1	1801

FLANGE SWEAT COMPANION LEAD FREE



MIDLAND	AMC	LIST	SIZE	STD. PACK.	WT. PER 100
44827LF			1-1/2" x 5"	1	176
44828LF			2" x 6"	1	291
44829LF			2-1/2" x 7"	1	405
44830LF			3" x 7-1/2"	1	520
44831LF			4" x 9"	1	798

FLANGE FLOOR LEAD FREE



MIDLAND	AMC	LIST	SIZE	STD. PACK.	WT. PER 100
44780LF	738151-08		1/2"	1	35
44781LF	738151-12		3/4"	1	44
44782LF	738151-16		1"	1	59
44783LF	780151-20		1-1/4"	1	87
44784LF	738151-24		1-1/2"	1	105
44785LF	738151-32		2"	1	150

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CHROME PLATED BRONZE FITTINGS

NIPPLES AND FITTINGS

90° ELBOW



LEAD FREE

781100

MIDLAND	AMC	SIZE	LIST
45102LF	781100-06	3/8"	
45103LF	781100-08	1/2"	
45104LF	781100-12	3/4"	
45105LF	781100-16	1"	

COUPLING



LEAD FREE

781103

MIDLAND	AMC	SIZE	LIST
45412LF	781103-06	3/8"	
45413LF	781103-08	1/2"	

90° ELBOW



81100

MIDLAND	AMC	SIZE	LIST
45100	81100-02	1/8"	
45101		1/4"	
45102	81100-06	3/8"	
45103	81100-08	1/2"	
45104	81100-12	3/4"	
45105	81100-16	1"	
45124	81105-0806	1/2" x 3/8"	
45127	81105-1208	3/4" x 1/2"	

90° STREET ELLS



81116

MIDLAND	AMC	SIZE	LIST
45160	81100-02	1/8"	
45161		1/4"	
45162	781116-06	3/8"	
45163	81116-08	1/2"	
45164	781116-12	3/4"	
45165	81116-15	1"	

90° STREET ELBOW



LEAD FREE

781116

MIDLAND	AMC	SIZE	LIST
45163LF	781116-08	1/2"	

TEE



LEAD FREE

781101

MIDLAND	AMC	SIZE	LIST
45252LF		3/8"	
45253LF		1/2"	

45° ELBOW



81124

MIDLAND	AMC	SIZE	LIST
45200	81124-02	1/8"	
45201	81124-04	1/4"	
45202	81124-06	3/8"	
45203	81124-08	1/2"	
45204	81124-12	3/4"	

CROSSES



81102

MIDLAND	AMC	SIZE	LIST
45393	81102-08	1/2"	
45394	81102-12	3/4"	

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CHROME PLATED BRONZE FITTINGS

NIPPLES AND FITTINGS

45° ELBOWS



81107

MIDLAND	AMC	SIZE	LIST
45180	81107-02	1/8"	
45181	780124-04	1/4"	
45182	81107-06	3/8"	
45183	781107-08	1/2"	
45184	81107-12	3/4"	
45185	81107-16	1"	

TEES



81101

MIDLAND	AMC	SIZE	LIST
45250	81101-02	1/8"	
45251	81101-04	1/4"	
45252	81101-06	3/8"	
45253	81101-08	1/2"	
45254	81101-12	3/4"	
45255	81101-16	1"	

COUPLINGS



81103

MIDLAND	AMC	SIZE	LIST
45410	81103-02	1/8"	
45411	81103-04	1/4"	
45412	81103-06	3/8"	
45413	81103-08	1/2"	
45414	81103-12	3/4"	
45415	81103-16	1"	
45432		3/8" x 1/4"	
45435	81119-0806	1/2" x 3/8"	
45438	81119-1208	3/4" x 1/2"	
45439	81119-1612	1" x 3/4"	

CAPS



81108

MIDLAND	AMC	SIZE	LIST
45470	81108-02	1/8"	
45471	81108-04	1/4"	
45472	81108-06	3/8"	
45473	81108-08	1/2"	
45474	81108-12	3/4"	
45475	81108-16	1"	

UNIONS



81104

MIDLAND	AMC	SIZE	LIST
45600	81104-02	1/8"	
45601	81104-04	1/4"	
45602		3/8"	
45603	781104-08	1/2"	
45604	81104-12	3/4"	
45605	81104-16	1"	
45606	81104-20	1-1/4"	

HEX BUSHINGS



81110

MIDLAND	AMC	SIZE	LIST
45502	781110-0604	3/8" x 1/4"	
45504	81110-0804	1/2" x 1/4"	
45505	781110-0806	1/2" x 3/8"	
45509	781110-1208	3/4" x 1/2"	
45513	81110-1612	1" x 3/4"	

PLUGS



MIDLAND	AMC	SIZE	LIST
45652	81109-06	3/8"	
45653	81109-08	1/2"	
45654	781109-12	3/4"	
45655	81109-16	1"	
45657		1-1/2"	

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CLEANOUT PLUGS/ DROP EAR ELBOWS

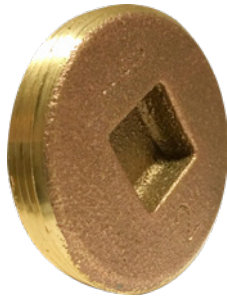
NIPPLES AND FITTINGS



- Southern Code

CAST BRASS SQUARE HEAD CLEANOUT PLUG

PART #	SIZE	BOX/CASE	
970300	1-1/2"	100/200	----
970301	2"	100/200	----
970302	2-1/2"	50/200	----
970303	3"	20/160	----
970304	3-1/2"	20/120	----
970305	4"	10/80	----
970330	5"	10/60	----
970331	6"	10/40	----
970332	8"	5/20	----
970333	10"	1/1	----



- Southern Code

CAST BRASS COUNTERSUNK HEAD CLEANOUT PLUG

PART #	SIZE	BOX/CASE	
970306	1-1/2"	100/200	----
970307	2"	100/200	----
970308	2-1/2"	100/200	----
970309	3"	50/200	----
970310	3-1/2"	20/160	----
970311	4"	20/120	----
970312	5"	10/60	----
970313	6"	10/40	----
970314	8"	5/20	----



CAST BRASS COUNTERSUNK CLEANOUT W 1/4-20 TAP

PART #	SIZE	BOX/CASE	
970700	1-1/2"	1/1	----
970701	2"	1/1	----
970702	2-1/2"	1/1	----
970703	3"	1/1	----
970704	3-1/2"	1/1	----
970705	4"	1/1	----
970706	5"	1/1	----
970707	6"	1/1	----

DROP EAR ELBOWS

- Lead Free Brass



- Lead Free Bronze

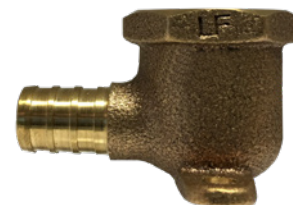


PART #	SWT X FIP	
44840LF	1/2 x 1/2 Bronze	----
44841LF	1/2 x 1/2 Brass	----
44842LF	3/4 x 1/2 Brass	----
44843LF	3/4 x 3/4 Brass	----



- Lead Free Brass

PART #	SWT X SWT	
44844LF	1/2 x 1/2	----



- Lead Free Bronze

PART #	PEX X FIP	
44845LF	1/2 x 1/2	----

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NIPPLES & FITTINGS

BRONZE/ STEEL INSERT FITTINGS

NIPPLES AND FITTINGS

BRONZE INSERT FITTINGS

150 PSI Genuine red brass - for plastic pipe

- Not Lead Free

HEX MALE ADAPTERS



(Barb x Male Pipe)

PART #	BARB X MALE	
973925	3/4" x 3/4"	----
973927	1" x 1"	----
973930	1" x 1-1/4"	----
973929	1-1/4" x 1"	----
973928	1-1/4" x 1-1/4"	----
973948	1-1/2" x 1-1/2"	----
973949	2" x 2"	----

BRONZE TEES ALL BARB



PART #	SIZE	
973965	3/4"	----
973966	1"	----
973967	1-1/4"	----

ELBOWS



(Barb x Male Pipe)

PART #	SIZE	
973980	3/4" x 3/4"	----
973981	1" x 3/4"	----
973982	1" x 1"	----

ELBOWS



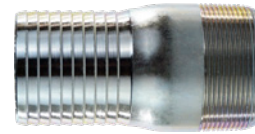
(Barb x Barb)

PART #	HOSE SIZE	
973975	3/4"	----
973976	1"	----
973977	1-1/4" x 1"	----
973978	1-1/4"	----
973979	1-1/2"	----

STEEL INSERT FITTINGS FOR PLASTIC PIPE

MALE ADAPTER

- Galvanized



(Barb x Male Pipe)

PART #	SIZE	BOX/CASE	
973906	1/2"	25/100	----
973907	3/4"	25/10	----
973908	1"	16/48	----
973909	1-1/4"	12/36	----
973910	1-1/2"	6/36	----
973911	2"	5/25	----
973912	2-1/2"	1/3	----
973913	3"	1/3	----
973914	4"	1/3	----



(Insert x NPT)

PART #	SIZE	
974264	3/4 x 1/2	----
974265	1 x 3/4	----
974266	1-1/4 x 1	----
974267	1-1/2 x 1-1/4	----

COUPLINGS



PART #	SIZE	BOX/CASE	
973900	1/2	30/120	----
973901	3/4	20/100	----
973902	1	20/100	----
973903	1-1/4	16/64	----
973904	1-1/2	12/48	----
973905	2	5/25	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

SS AND LEAD FREE BRONZE INSERT

NIPPLES AND FITTINGS

STAINLESS STEEL #304



#304 INSERT X MALE PIPE

- For coiled plastic pipe to submersible pump

PART #	SIZE	
973947SS	1/2 x 1/2	----
973925SS	3/4 x 3/4	----
973926SS	1 x 3/4	----
973927SS	1 x 1	----
973930SS	1 x 1-1/4	----
973928SS	1-1/4 x 1-1/4	----
973948SS	1-1/2 x 1-1/2	----
973949SS	2 x 2	----



#304 INSERT X MIP ELBOW

- Hydrant elbow

PART #	SIZE	
973980SS	3/4 x 3/4	----
973982SS	1 x 1	----
973985SS	1-1/4 x 1-1/4	----

LEAD FREE BRONZE INSERT FITTINGS

- NSF Approved
- ANSI 61-8



INSERT X INSERT

PART #	SIZE	
973960LF	1/2	----
973961LF	3/4	----
973962LF	1	----
973963LF	1-1/4	----

- NSF Approved
- ANSI 61-8



INSERT TEE

PART #	SIZE	
973965LF	3/4	----
973966LF	1	----
973967LF	1-1/4	----

- NSF Approved
- ANSI 61-8



INSERT X MALE BRANCH TEE

PART #	SIZE	
973969LF	3/4	----
973970LF	1 x 3/4	----
973971LF	1	----

- NSF Approved
- ANSI 61-8



INSERT X INSERT ELBOW

PART #	SIZE	
973975LF	3/4	----
973976LF	1	----

WELL COUPLINGS



304 SS DROP WELL COUPLINGS STANDARD

PART #	SIZE	
62415DC	1	----
62416DC	1-1/4	----
62417DC	1-1/2	----
62418DC	2	----



HEAVY WALLED SS 304 DROP WELL COUPLINGS

PART #	SIZE	
62415HDDC	1	----
62416HDDC	1-1/4	----
62417HDDC	1-1/2	----
62418HDDC	2	----



#304 STAINLESS STEEL MERCHANT COUPLINGS

PART #	SIZE	
61775	1	----
61776	1-1/4	----
61777	1-1/2	----
61778	2	----

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SCH 40 STAINLESS STEEL NIPPLES

NIPPLES AND FITTINGS

STAINLESS STEEL NIPPLES**SCHEDULE 40 WELDED**

Stainless steel pipe nipples are manufactured from stainless steel pipe that conforms to specification ASTM A312/SA312.

All stainless steel nipples conform to specification ASTM A733. Threads conform to the requirements of ANSI B1.20.1.

SEE MIDLANDINDUSTRIES.COM FOR SCHEDULE 80 NIPPLES

304

The basic alloy. Type 304 (18-8) is an austenitic steel possessing a minimum of 18% chromium and 8% nickel, combined with a maximum of 0.08% carbon. It is a nonmagnetic steel which cannot be hardened by heat treatment, but instead, must be cold worked to obtain higher tensile strengths.

Because of its ability to withstand the corrosive action of various acids found in fruits, meats, milk, and vegetables,

Type 304 is especially suited for all types of dairy equipment piping and valves, the brewing industry, the citrus and fruit juice industry, and in food processing applications. Also used for the dye tanks, pipelines buckets, dippers, etc. that come in contact with the lormic, acetic, and other organic acids used in the dyeing industry.

In the marine environment, because of its slightly higher strength and wear resistance than type 316 it is also used for nuts, bolts, screws, and other fasteners. It is also used for springs, cogs, and other components where both wear and corrosion resistance is needed.

SCHEDULE 80 SEAMLESS

- SEAMLESS FOR UNRESTRICTED FLOW
- USE WITH AIR, WATER, OIL, NATURAL GAS, STEAM
- FITTINGS: USE THREADED CLASS 3000 HIGH-PRESSURE STAINLESS STEEL.

- ASTM A733 • ASTM A312 • ANSI/ ASME B1.20.1
- PSI 3000

316

For severe environments. Of course, there are many industrial processes that require a higher level of resistance to corrosion than Type 304 can offer. For these applications, Type 316 is the answer.

In type 316, the nickel content is increased slightly. What distinguishes Type 316 from Type 304 is the addition of molybdenum up to a maximum of 3%.

Molybdenum increases the corrosion resistance of this chromium-nickel alloy to withstand attack by many industrial chemicals and solvents, and, in particular, inhibits pitting caused by chlorides. As such, molybdenum is one of the single most useful alloying additives in the fight against corrosion.

Type 316 can withstand corrosive attack by sodium and calcium brines, hypochlorite solutions, phosphoric acid; and the sulfite liquors and sulfurous acids used in the paper pulp industry. This alloy, therefore, is specified for industrial equipment that handles the corrosive process chemicals used to produce inks, rayons, photographic chemicals, paper, textiles, bleaches, and rubber. Type 316 is also used extensively for surgical implants within the hostile environment of the body.

Type 316 is the main stainless used in the marine environment, with the exception of fasteners and other items where strength and wear resistance are

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SCH 40 STAINLESS STEEL NIPPLES

NIPPLES AND FITTINGS

#304

1/8" - 27

#316

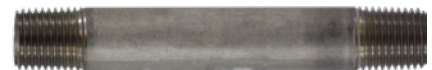


**1/8" DIAMETER
SCH 40 WELDED**



PART # 304 S.S.	LENGTH	BOX	APPROX. WT. LBS.	PART # 316 S.S.
48001	X Close (3/4")	25	0.01	49001
48002	x 1-1/2"	25	0.03	49002
48003	x 2"	25	0.04	49003
48004	x 2-1/2"	25	0.05	49004
48005	x 3"	25	0.06	49005
48006	x 3-1/2"	25	0.07	49006
48007	x 4"	25	0.07	49007
48008	x 4-1/2"	25	0.09	49008
48009	x 5"	25	0.10	49009
48010	x 5-1/2"	25	0.11	49010
48011	x 6"	25	0.12	49011
	x 8"			49013
48015	x 10"	1	0.19	
	x 12"	1	0.24	49017

1/4" - 18



**1/4" DIAMETER
SCH 40 WELDED**



PART # 304 S.S.	LENGTH	BOX	APPROX. WT. LBS.	PART # 316 S.S.
48020	X Close (7/8")	25	0.02	49020
48021	x 1-1/2"	25	0.04	49021
48022	x 2"	25	0.06	49022
48023	x 2-1/2"	25	0.07	49023
48024	x 3"	25	0.09	49024
48025	x 3-1/2"	25	0.11	49025
48026	x 4"	25	0.13	49026
48027	x 4-1/2"	25	0.14	49027
48028	x 5"	25	0.16	49028
48029	x 5-1/2"	25	0.18	49029
48030	x 6"	25	0.19	49030
48031	x 7"	1	0.22	49031
48032	x 8"	1	0.25	49032
	x 9"	1	0.31	49033
48034	x 10"	1	0.35	49034
	x 11"	1	0.40	49035
48036	x 12"	1	0.44	49036
	x 14"	1	0.46	49037
	x 16"	1	0.47	49038



GO ONLINE TO VIEW OPEN ORDERS, ORDER HISTORY, AND TRACKING INFORMATION ON ALL SHIPMENTS

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NIPPLES & FITTINGS

SCH 40 STAINLESS STEEL NIPPLES

NIPPLES AND FITTINGS

#304

3/8"-18

#316



**3/8" DIAMETER
SCH 40 WELDED**



PART # 304 S.S.	LENGTH	BOX	APPROX. WT. LBS.	PART # 316 S.S.
48040	X Close (1")	25	0.03	49040
48041	x 1-1/2"	25	0.06	49041
48042	x 2"	25	0.07	49042
48043	x 2-1/2"	25	0.10	49043
48044	x 3"	25	0.12	49044
48045	x 3-1/2"	25	0.15	49045
48046	x 4"	25	0.17	49046
48047	x 4-1/2"	25	0.19	49047
48048	x 5"	25	0.22	49048
48049	x 5-1/2"	25	0.23	49049
48050	x 6"	25	0.26	49050
48052	x 8"	1	0.34	49052
48053	x 9"	1		
48054	x 10"	1	0.43	49054
48056	x 12"	1		



1/2" - 14

**1/2" DIAMETER
SCH 40 WELDED**



PART # 304 S.S.	LENGTH	BOX	APPROX. WT. LBS.	PART # 316 S.S.
48060	X Close 1-1/8"	25	0.05	49060
48061	x 1-1/2"	25	0.07	49061
48062	x 2"	25	0.10	49062
48063	x 2-1/2"	25	0.14	49063
48064	x 3"	25	0.18	49064
48065	x 3-1/2"	25	0.20	49065
48066	x 4"	25	0.25	49066
48067	x 4-1/2"	25	0.28	49067
48068	x 5"	25	0.31	49068
48069	x 5-1/2"	25	0.34	49069
48070	x 6"	25	0.39	49070
48071	x 7"	1	0.41	
48072	x 8"	1	0.52	49072
48073	x 9"	1	0.54	
48074	10"	1	0.58	49074
48075	x 11"	1	0.64	
48076	x 12"	1	0.69	49076



USE OUR TEXT LINE [855-609-3729](tel:855-609-3729) TO COMMUNICATE WITH MIDLAND MORE CONVENIENTLY

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SCH 40 STAINLESS STEEL NIPPLES

NIPPLES AND FITTINGS

#304



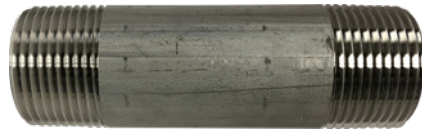
3/4" - 14

3/4" DIAMETER
SCH 40 WELDED

#316



PART # 304 S.S.	LENGTH	BOX	APPROX. WT. LBS.	PART # 316 S.S.
48080	X Close (1-3/8")	25	0.08	49080
48081	x 1-1/2"	25	0.13	49081
48082	x 2"	25	0.14	49082
48083	x 2-1/2"	25	0.17	49083
48084	x 3"	25	0.22	49084
48085	x 3-1/2"	25	0.27	49085
48086	x 4"	25	0.32	49086
48087	x 4-1/2"	25	0.38	49087
48088	x 5"	25	0.40	49088
48089	x 5-1/2"	25	0.42	49089
48090	x 6"	25	0.48	49090
48091	x 7"	1	0.45	49091
48092	x 8"	1	0.67	49092
48094	x 10"	1	0.94	49094
48096	x 12"	1	1.03	49096



1" - 11 1/2

1" DIAMETER
SCH 40 WELDED



PART # 304 S.S.	LENGTH	BOX	APPROX. WT. LBS.	PART # 316 S.S.
48100	X Close (1-1/2")	25	0.13	49100
48101	x 2"	25	0.20	49101
48102	x 2-1/2"	25	0.25	49102
48103	x 3"	25	0.33	49103
48104	x 3-1/2"	25	0.40	49104
48105	x 4"	25	0.47	49105
48106	x 4-1/2"	25	0.53	49106
48107	x 5"	25	0.55	49107
48108	x 5-1/2"	25	0.60	49108
48109	x 6"	25	0.71	49109
48110	x 7"	1	0.57	49110
48111	x 8"	1	1.02	49111
48113	x 10"	1	1.16	49113
48115	x 12"	1	1.31	49115



HELP US HELP YOU! GO ONLINE TO UPDATE YOUR CUSTOMER PROFILE SO THAT WE CAN UPDATE ALL THE APPROPRIATE DEPARTMENTS AND PERSONNEL AT YOUR COMPANY ON NEW CATALOGS, PRICING UPDATES, NEW MARKETING TOOLS, AND OTHER IMPORTANT INFORMATION. THANK YOU!

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NIPPLES & FITTINGS

SCH 40 STAINLESS STEEL NIPPLES

NIPPLES AND FITTINGS



1 1/4" - 11 1/2"

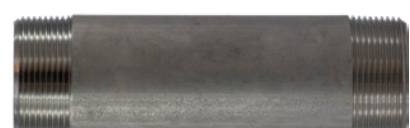


1-1/4" DIAMETER SCH 40 WELDED

PART # 304 S.S.	LENGTH	BOX	APPROX. WT. LBS.	PART # 316 S.S.
48120	X Close (1-5/8")	10	0.17	49120
48121	x 2"	10	0.23	49121
48122	x 2-1/2"	10	0.35	49122
48123	x 3"	10	0.46	49123
48124	x 3-1/2"	10	0.52	49124
48125	x 4"	10	0.65	49125
48126	x 4-1/2"	10	0.53	49126
48127	x 5"	10	0.60	49127
48128	x 5-1/2"	10	0.61	49128
48129	x 6"	10	0.71	49129
48131	x 8"	1	1.34	
48135	x 12"	1	1.54	



1-1/2" - 11 1/2"



1-1/2" DIAMETER SCH 40 WELDED

PART # 304 S.S.	LENGTH	BOX	APPROX. WT. LBS.	PART # 316 S.S.
48140	X Close x 1-3/4"	10	0.25	49140
48141	x 2"	10	0.32	49141
48142	x 2-1/2"	10	0.41	49142
48143	x 3"	10	0.52	49143
48144	x 3-1/2"	10	0.62	49144
48145	x 4"	10	0.73	49145
48146	x 4-1/2"	10	0.86	49146
48147	x 5"	10	0.95	49147
48148	x 5-1/2"	10	1.01	49148
48149	x 6"	10	1.19	49149
48151	x 8"	1	1.63	49151
48152	x 9"	1	1.88	
48153	x 10"	1	2.28	49153
48155	x 12"	1	2.43	

• See our website for threaded one end (TOE) nipples

See our website for Sch. 80 # 304 and #316 Stainless Steel Seamless Nipples.



SEE WEBSITE TO DOWNLOAD YOUR MOST UPDATED PRICING

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SCH 40 STAINLESS STEEL NIPPLES

NIPPLES AND FITTINGS



2" DIAMETER SCH 40 WELDED



PART # 304 S.S.	LENGTH	BOX	APPROX. WT. LBS.	PART # 316 S.S.
48160	X Close (2")	10	0.37	49160
48161	x 2-1/2"	10	0.54	49161
48162	x 3"	10	0.65	49162
48163	x 3-1/2"	10	0.88	49163
48164	x 4"	10	1.02	49164
48165	x 4-1/2"	10	1.16	49165
48166	x 5"	10	1.29	49166
48167	x 5-1/2"	10	1.46	49167
48168	x 6"	10	1.57	49168
48169	x 7"	1	1.92	49169
48170	x 8"	1	2.01	49170
48171	x 9"	1	2.55	
48172	x 10"	1	2.69	
48174	x 12"	1	2.89	

2-1/2" DIAMETER SCH 40 WELDED

PART # 304 S.S.	LENGTH	BOX	APPROX. WT. LBS.
48180	X Close (2-1/2")	10	0.64
48181	x 3"		
48187	x 6"	1	2.37
48193	x 12"	1	4.85



3" DIAMETER SCH 40 WELDED

PART # 304 S.S.	LENGTH	BOX	APPROX. WT. LBS.	PART # 316 S.S.
48200	X Close (2-5/8")	10	0.95	49200
48201	x 3"	10	1.32	49201
48203	x 4"	10	1.66	49203
48205	x 5"	5	1.72	49205
48207	x 6"	5	1.88	49207
48209	x 8"	1	1.91	49209
48213	x 12"	1	2.12	49213



4" DIAMETER SCH 40 WELDED

PART # 304 S.S.	LIST PRICE	LENGTH	BOX	APPROX. WT. LBS.	PART # 316 S.S.	LIST PRICE
48220	----	X Close (2-7/8")	8	1.15	49220	----
		x 4"	1	2.98	49223	----
48227	----	x 6"	1	4.10	49234	----
		x 8"	1	5.95	49236	----
		x 12"	1	9.25	49240	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer.
 For more information, visit www.P65Warnings.ca.gov



304 AND 316 150# SS FITTINGS

NIPPLES AND FITTINGS

STAINLESS STEEL FITTINGS



150# 304 & 316 Stainless Steel Fittings

Our high quality standard pattern 150lb rated stainless steel threaded fittings are manufactured to the highest standards. All stainless steel fittings are monitored by our quality control personnel for strict compliance with applicable standards and specifications.

These stainless steel pipe fittings are excellent for uses that involve chemicals or liquids that may be corrosive. Along with fighting corrosion, a stainless steel pipe fitting will prevent contamination making it useful to many professionals.

- Use with air, water, oil, natural gas, steam
- NPT and FNPT threads conform to ASME B1.20.1
- Maximum Pressure: 300 psi @ 72 F; 150 psi @ 366 F for steam
- Maximum Steam Pressure: 150 psi
- Material Conforms to ASTM A-351. Class 150 Pressure Ratings
- Manufacturing facility is ISO 9001:2008
- 304 Stainless Steel is economically priced, chromium-nickel material that offers very good corrosion resistance. 316 Stainless Steel has higher nickel content and contains molybdenum for even better corrosion resistance.

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

304 AND 316 150# SS FITTINGS

NIPPLES AND FITTINGS

90° ELBOW 304 & 316 150#



PART # 304 S.S.		SIZE	BOX	APPROX. WT. LBS.	PART # 316 S.S.	
62100	----	1/8"	25	0.06	63100	----
62101	----	1/4"	25	0.06	63101	----
62102	----	3/8"	25	0.11	63102	----
62103	----	1/2"	25	0.13	63103	----
62104	----	3/4"	25	0.20	63104	----
62105	----	1"	10	0.33	63105	----
62106	----	1-1/4"	10	0.55	63106	----
62107	----	1-1/2"	5	0.77	63107	----
62108	----	2"	5	1.10	63108	----
62109	----	2-1/2"	1	2.09	63109	----
62110	----	3"	1	2.84	63110	----
62112	----	4"	1	5.00	63112	----

90° STREET ELBOW 304 & 316 150#



PART # 304 S.S.		SIZE	BOX	APPROX. WT. LBS.	PART # 316 S.S.	
62160	----	1/8"	25	0.04	63160	----
62161	----	1/4"	25	0.07	63161	----
62162	----	3/8"	25	0.09	63162	----
62163	----	1/2"	25	0.15	63163	----
62164	----	3/4"	25	0.24	63164	----
62165	----	1"	10	0.31	63165	----
62166	----	1-1/4"	10	0.51	63166	----
62167	----	1-1/2"	5	0.84	63167	----
62168	----	2"	5	1.26	63168	----
62169	----	3"	1	4.16	63170	----
		4"	1	7.61	63171	----

45° ELBOW 304 & 316 150#



PART # 304 S.S.	LIST PRICE	SIZE	BOX	APPROX. WT. LBS.	PART # 316 S.S.	
62180	----	1/8"	25	0.04	63180	----
62181	----	1/4"	25	0.07	63181	----
62182	----	3/8"	25	0.09	63182	----
62183	----	1/2"	25	0.13	63183	----
62184	----	3/4"	25	0.20	63184	----
62185	----	1"	10	0.33	63185	----
62186	----	1-1/4"	10	0.49	63186	----
62187	----	1-1/2"	5	0.66	63187	----
62188	----	2"	5	1.14	63188	----
62189	----	2-1/2"	1	2.82		
62190	----	3"	1	2.91	63190	----
62191	----	4"	1	5.05	63192	----

SEE OUR WEBSITE FOR STAINLESS STEEL FITTING DIMENSIONS

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer.
 For more information, visit www.P65Warnings.ca.gov

NIPPLES & FITTINGS

304 AND 316 150# SS FITTINGS

NIPPLES AND FITTINGS

TEE 304 & 316 150#



PART # 304 S.S.		SIZE	BOX	APPROX. WT. LBS.	PART # 316 S.S.	
62250	----	1/8"	25	0.07	63250	----
62251	----	1/4"	25	0.07	63251	----
62252	----	3/8"	25	0.11	63252	----
62253	----	1/2"	25	0.20	63253	----
62254	----	3/4"	25	0.29	63254	----
62255	----	1"	10	0.42	63255	----
62256	----	1-1/4"	5	0.66	63256	----
62257	----	1-1/2"	5	0.99	63257	----
62258	----	2"	3	1.43	63258	----
62259	----	2-1/2"	1	1.43		
62260	----	3"	1	3.66	63260	----
		4"	1	7.19	63261	----

CROSS 304 & 316 150#



PART # 304 S.S.		SIZE	BOX	APPROX. WT. LBS.	PART # 316 S.S.	
		1/8"	25	0.06	63390	----
62391	----	1/4"	25	0.09	63391	----
62392	----	3/8"	25	0.13	63392	----
62393	----	1/2"	25	0.29	63393	----
62394	----	3/4"	10	0.44	63394	----
62395	----	1"	10	0.74	63395	----
62396	----	1-1/4"	5	1.25	63396	----
62397	----	1-1/2"	5	1.53	63397	----
62398	----	2"	1	2.28	63398	----
		3"	1	5.46	63400	----
		4"	1	9.41	63401	----

HEX NIPPLE 304 & 316 150#



PART # 304 S.S.	LIST PRICE	SIZE	BOX	APPROX. WT. LBS.	PART # 316 S.S.	LIST PRICE
62720	----	1/8"	1	0.02	63720	----
62721	----	1/4"	1	0.04	63721	----
62722	----	3/8"	1	0.07	63722	----
62723	----	1/2"	1	0.11	63723	----
62724	----	3/4"	1	0.18	63724	----
62725	----	1"	1	0.22	63725	----
62726	----	1-1/4"	1	0.37	63726	----
62727	----	1-1/2"	1	0.46	63727	----
62728	----	2"	1	0.61	63728	----

REDUCING HEX NIPPLE 304 & 316 150#



PART # 304 S.S.	LIST PRICE	SIZE	BOX	APPROX. WT. LBS.	PART # 316 S.S.	
62740	----	1/4" x 1/8"	1	0.04	63740	----
62741	----	3/8" x 1/8"	1	0.07	63741	----
62742	----	3/8" x 1/4"	1	0.07	63742	----
62744	----	1/2" x 1/4"	1	0.09	63744	----
62745	----	1/2" x 3/8"	1	0.11	63745	----
62747	----	3/4" x 1/4"	1	0.15	63747	----
62748	----	3/4" x 3/8"	1	0.15	63748	----
62749	----	3/4" x 1/2"	1	0.15	63749	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



304 AND 316 150# SS FITTINGS

NIPPLES AND FITTINGS

COUPLING 304 & 316 150#



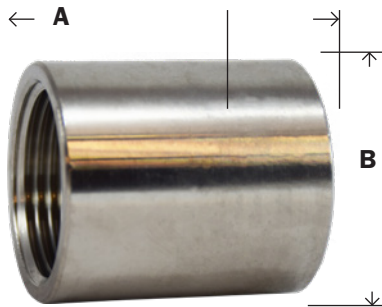
PART # 304 S.S.		SIZE*	BOX	APPROX. WT. LBS.	PART # 316 S.S.	
62410	----	1/8"	25	0.03	63410	----
62411	----	1/4"	25	0.06	63411	----
62412	----	3/8"	25	0.07	63412	----
62413	----	1/2"	25	0.13	63413	----
62414	----	3/4"	25	0.18	63414	----
62415	----	1"	25	0.24	63415	----
62416	----	1-1/4"	10	0.44	63416	----
62417	----	1-1/2"	10	0.51	63417	----
62418	----	2"	5	0.79	63418	----
62419	----	2-1/2"	1	1.28	63419	----
62420	----	3"	1	1.87	63420	----
62421	----	4"	1	2.80	63421	----

REDUCING COUPLING 304 & 316 150#



PART # 304 S.S.		SIZE	BOX	APPROX. WT. LBS.	PART # 316 S.S.	
62430	----	1/4" x 1/8"	25	0.04	63430	----
62431	----	3/8" x 1/8"	25	0.04	63431	----
62432	----	3/8" x 1/4"	25	0.04	63432	----
62433	----	1/2" x 1/8"	25	0.09	63433	----
62434	----	1/2" x 1/4"	25	0.09	63434	----
62435	----	1/2" x 3/8"	25	0.09	63435	----
62455	----	3/4" x 1/8"	25	0.13	63455	----
62436	----	3/4" x 1/4"	25	0.11	63436	----
62437	----	3/4" x 3/8"	25	0.13	63437	----
62438	----	3/4" x 1/2"	25	0.15	63438	----
		1" x 1/4"	25	0.25	63459	----
62440	----	1" x 3/8"	25	0.22	63440	----
62441	----	1" x 1/2"	25	0.24	63441	----
62442	----	1" x 3/4"	25	0.24	63442	----
62445	----	1-1/4" x 3/4"	10	0.33	63445	----
62446	----	1-1/4" x 1"	10	0.35	63446	----
62447	----	1-1/2" x 1/2"	10	0.40	63447	----
62448	----	1-1/2" x 3/4"	10	0.42	63448	----
62449	----	1-1/2" x 1"	10	0.44	63449	----
62450	----	1-1/2" x 1-1/4"	10	0.46	63450	----
62459		2" x 1/2"				
62451	----	2" x 3/4"				
62452	----	2" x 1"	5	0.57	63452	----
62453	----	2" x 1-1/4"	5	0.62	63453	----
62454	----	2" x 1-1/2"	5	0.62	63454	----
62462		2-1/2" x 2"				
62428	----	3" x 1"	1	1.82		
62456	----	3" x 2"	1	2.25		
62457		4" x 3"				

OD MACHINED COUPLING 304 & 316 150#



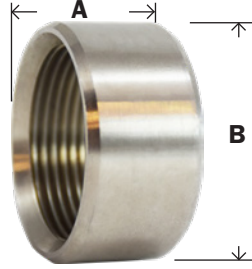
PART # 304 S.S.	LIST PRICE	SIZE	A	B	BOX	APPROX. WT. LBS.	PART # 316 S.S.	
62410B	----	1/8"	0.76	0.56	25	0.04	63410B	----
62411B	----	1/4"	0.94	0.71	25	0.04	63411B	----
62412B	----	3/8"	0.98	0.84	25	0.07	63412B	----
62413B	----	1/2"	1.33	1.01	25	0.09	63413B	----
62414B	----	3/4"	1.41	1.27	25	0.16	63414B	----
62415B	----	1"	1.69	1.54	10	0.21	63415B	----
62416B	----	1-1/4"	1.93	1.90	10	0.31	63416B	----
62417B	----	1-1/2"	1.93	2.16	5	0.41	63417B	----
62418B	----	2"	1.96	2.66	5	0.68	63418B	----
62420B	----	3"	3.23	3.76	1			

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

304 AND 316 150# SS FITTINGS

NIPPLES AND FITTINGS

HALF COUPLING 304 & 316 150#



PART # 304 S.S.	LIST	SIZE	A	B	BOX	APPROX. WT. LBS.	PART # 316 S.S.
62770		1/8"					
62771	----	1/4"	0.39	0.70	25	0.02	63771
62772	----	3/8"	0.45	0.82	25	0.02	63772
62773	----	1/2"	0.57	1.02	25	0.09	63773
62774	----	3/4"	0.67	1.22	25	0.11	63774
62775	----	1"	0.79	1.47	25	0.13	63775
62776	----	1-1/4"	0.86	1.88	10	0.24	63776
62777	----	1-1/2"	0.94	2.10	10	0.26	63777
62778	----	2"	1.06	2.60	5	0.44	63778
62779		3"					

UNION 304 & 316 150#

• Stainless Steel Seat



PART # 304 S.S.	LIST PRICE	SIZE	BOX	APPROX. WT. LBS.	PART # 316 S.S.	LIST PRICE
62600	----	1/8"	25	0.09	63600	----
62601	----	1/4"	25	0.13	63601	----
62602	----	3/8"	25	0.22	63602	----
62603	----	1/2"	25	0.26	63603	----
62604	----	3/4"	25	0.46	63604	----
62605	----	1"	10	0.60	63605	----
62606	----	1-1/4"	5	0.90	63606	----
62607	----	1-1/2"	5	1.10	63607	----
62608	----	2"	1	1.81	63608	----
62609		2-1/2"				
62610	----	3"	1	3.40	63610	----

CAP - CAST 304 & 316 150#



PART # 304 S.S.		SIZE	BOX	APPROX. WT. LBS.	PART # 316 S.S.
62470	----	1/8"	25	0.02	63470
62471	----	1/4"	25	0.02	63471
62472	----	3/8"	25	0.04	63472
62473	----	1/2"	25	0.07	63473
62474	----	3/4"	25	0.11	63474
62475	----	1"	10	0.18	63475
62476	----	1-1/4"	10	0.29	63476
62477	----	1-1/2"	10	0.40	63477
62478	----	2"	10	0.60	63478
62480	----	3"	1	1.28	63480
62481	----	4"	1	1.54	

HEX CAP - BARSTOCK 304 & 316 150#



PART # 304 S.S.		SIZE	BOX	APPROX. WT. LBS.	PART # 316 S.S.
62075	----	1/8"	25	0.04	63075
62076	----	1/4"	25	0.09	63076
62077	----	3/8"	25	0.11	63077
62078	----	1/2"	25	0.13	63078
62079	----	3/4"	25	0.22	63079
62080	----	1"	10	0.22	63080
62081	----	1-1/4"	10	0.29	63081
62082	----	1-1/2"	5	0.40	63082
62083	----	2"	5	0.49	63083

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

304 AND 316 150# SS FITTINGS

NIPPLES AND FITTINGS

HEX BUSHING 304 & 316 150#



PART # 304 S.S.		SIZE M X F	BOX	APPROX. WT. LBS.	PART # 316 S.S.	
62500	----	1/4" x 1/8"	25	0.04	63500	----
62501	----	3/8" x 1/8"	25	0.04	63501	----
62502	----	3/8" x 1/4"	25	0.04	63502	----
62503	----	1/2" x 1/8"	25	0.09		
62504	----	1/2" x 1/4"	25	0.09	63504	----
62505	----	1/2" x 3/8"	25	0.11	63505	----
62506	----	3/4" x 1/8"	25	0.13	63506	----
62507	----	3/4" x 1/4"	25	0.15	63507	----
62508	----	3/4" x 3/8"	25	0.15	63508	----
62509	----	3/4" x 1/2"	25	0.15	63509	----
62557	----	1" x 1/8"	25	0.27		
62510	----	1" x 1/4"	25	0.22	63510	----
62511	----	1" x 3/8"	25	0.24	63511	----
62512	----	1" x 1/2"	25	0.24	63512	----
62513	----	1" x 3/4"	25	0.24	63513	----
62515	----	1-1/4" x 3/8"	25	0.37		
62516	----	1-1/4" x 1/2"	25	0.37	63516	----
62517	----	1-1/4" x 3/4"	25	0.37	63517	----
62518	----	1-1/4" x 1"	25	0.37	63518	----
62521	----	1-1/2" x 1/2"	25	0.44	63521	----
62522	----	1-1/2" x 3/4"	25	0.46	63522	----
62532	----	1-1/2" x 1"	25	0.49	63523	----
62524	----	1-1/2" x 1-1/4"	25	0.46	63524	----
62559	----	2" x 1/4"	10	0.95	63526	
62527	----	2" x 1/2"	10	0.66	63527	----
62528	----	2" x 3/4"	10	0.66	63528	----
62529	----	2" x 1"	10	0.66	63529	----
62530	----	2" x 1-1/4"	10	0.68	63530	----
62531	----	2" x 1-1/2"	10	0.68	63531	----
62547		2-1/2" 3/4"				
62536	----	2-1/2" x 1"	5	1.70		
62534	----	2-1/2" x 1-1/2"	5	1.23	63534	----
62535	----	2-1/2" x 2"	5	1.21	63535	----
		3" x 1"	5	2.20	63550	----
62537	----	3" x 1-1/2"	5	1.97	63537	----
62538	----	3" x 2"	5	1.72	63538	----
62539	----	3" x 2-1/2"	5	1.81	63539	
		4" x 1-1/2"	5	3.92	63540	----
		4" x 2"	1	3.72	63541	----
62543	----	4" x 3"	1	2.43	63543	----

• STAINLESS STEEL BULKHEAD FITTINGS IN BULKHEAD SECTION

STAINLESS STEEL:

- BARBED FOR PLASTIC PIPE
- WELL COUPLINGS
- MERCHANT COUPLINGS
- SEE END OF BRONZE FITTING SECTION



GO ONLINE TO VIEW OPEN ORDERS, ORDER HISTORY, AND TRACKING INFORMATION ON ALL SHIPMENTS

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

304 AND 316 150# SS FITTINGS

NIPPLES AND FITTINGS

HEX LOCKNUT

304 & 316 150#

• Straight Thread



PART # 304 S.S.		SIZE	BOX	APPROX. WT. LBS.	PART # 316 S.S.	
62700	----	1/8"	25	0.02		
62701	----	1/4"	25	0.05	63701	----
62702	----	3/8"	25	0.06	63702	----
62703	----	1/2"	25	0.07	63703	----
62704	----	3/4"	25	0.11	63704	----
62705	----	1"	25	0.15	63705	----
62706	----	1-1/4"	25	0.22	63706	----
62707	----	1-1/2"	25	0.29	63707	----
62708	----	2"	10	0.35	63708	----

CORED SQUARE HEAD PLUG

304 & 316 150#



PART # 304 S.S.		SIZE	BOX	APPROX. WT. LBS.	PART # 316 S.S.	
62670	----	1/8"	25	0.02	63670	----
62671	----	1/4"	25	0.03	63671	----
62672	----	3/8"	25	0.04	63672	----
62653	----	1/2"	25	0.06	63653	----
62654	----	3/4"	25	0.13	63654	----
62655	----	1"	25	0.20	63655	----
62656	----	1-1/4"	25	0.32	63656	----
62657	----	1-1/2"	10	0.41	63657	----
62658	----	2"	10	0.65	63658	----
62659	----	2-1/2"	1	1.04		
62660	----	3"	1	0.88		

CORED HEX HEAD PLUG

304 & 316 150#



PART # 304 S.S.		SIZE	BOX	APPROX. WT. LBS.	PART # 316 S.S.	
62630	----	1/8"	25	0.02	63630	----
62631	----	1/4"	25	0.02	63631	----
62632	----	3/8"	25	0.04	63632	----
62633	----	1/2"	25	0.07	63633	----
62634	----	3/4"	25	0.11	63634	----
62635	----	1"	25	0.20	63635	----
62636	----	1-1/4"	25	0.31	63636	----
62637	----	1-1/2"	10	0.44	63637	----
62638	----	2"	10	0.65	63638	----
62640		3"				
		4"	1	2.77	63641	----

HOSE NIPPLE

304 & 316 150#



HOSE BARB X MALE PIPE

PART # 304 S.S.		HOSE I.D. X MALE PIPE	BOX	APPROX. WT. LBS.	PART # 316 S.S.	
73951	----	1/4"	1	0.04	973951	----
73952	----	3/8"	1	0.07	973952	----
73953	----	1/2"	1	0.13	973953	----
73954	----	3/4"	1	0.20	973954	----
73955	----	1"	1	0.33	973955	----
73956	----	1-1/4"	1	0.47	973956	----
73957	----	1-1/2"	1	0.67	973957	----
73958	----	2"	1	0.88	973958	----
73959	----	2-1/2"	1	1.45	973959	----
73960	----	3"	1	1.94	973990	----
73961	----	4"	1	3.57	973991	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

304 AND 316 150# SS FITTINGS

NIPPLES AND FITTINGS

REDUCING HOSE NIPPLE

304 150#



HOSE BARB X MALE PIPE

PART # 304 S.S	HOSE I.D. X MALE PIPE	BOX	APPROX. WT. LBS.	
73970	1/4" x 1/8"	1	0.04	----
73971	3/8" x 1/4"	1	0.07	----
73972	1/2" x 3/8"	1	0.13	----
73973	1/2" x 1/4"	1	0.13	----
73974	3/4" x 1/2"	1	0.20	----
73975	1" x 3/4"	1	0.33	----
73976	1" x 1/2"	1	0.33	----
73977	1-1/4" x 1"	1	0.46	----
73979	1-1/2" x 1-1/4"	1	0.66	----
73980	1-1/2" x 1"	1	0.66	----
73981	2" x 1-1/2"	1	0.88	----
73982	2" x 1-1/4"	1	0.88	----

SOLID HEX HEAD PLUG

316 150#



PART # 316 S.S	SIZE	BOX	APPROX. WT. LBS.	
63660	1/8"	25	0.04	----
63661	1/4"	25	0.06	----
63662	3/8"	25	0.08	----
63663	1/2"	25	0.12	----
63664	3/4"	25	0.15	----
63665	1"	25	0.24	----

HEX SOCKET PLUG - BARSTOCK

316 150#



PART # 316 S.S	SIZE	BOX	APPROX. WT. LBS.	
63759	1/16"	1	0.03	----
63760	1/8 "	1	0.05	----
63761	1/4 "	1	0.07	----
63762	3/8 "	1	0.10	----
63763	1/2 "	1	0.14	----
63764	3/4 "	1	0.21	----
63765	1"	1	0.24	----

SOLID SQUARE HEAD PLUG

316 150#



PART # 316 S.S	SIZE	BOX	APPROX. WT. LBS.	
63680	1/8"	25	0.04	----
63681	1/4"	25	0.04	----
63682	3/8"	25	0.05	----
63683	1/2"	25	0.06	----
63684	3/4"	25	0.12	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer.
 For more information, visit www.P65Warnings.ca.gov

NIPPLES & FITTINGS

BLACK AND GALVANIZED SCH 40

NIPPLES AND FITTINGS



BLACK AND GALVANIZED STEEL NIPPLES

Product Specifications

Welded steel pipe nipples both galvanized and black in diameters ranging from 1/8" up to 4" in lengths from close to 12" and cut-pipe up to 120" -200°-150° Temp Rating.

Technical Specifications

Standards: Product complies with ASTM A-53, A-733 and ANSI B1.20.1 for threading, dimensions and pipe specifications.

Pipe: Complies with ASTM A-53 mill tested schedule 40 and 80 for both Welded & Seamless Meets ANSI B36.1. All pipe is hydrostatic tested. For pressure ratings, see the knowledge bank on our website.

Galvanized: Zinc coating applied by hot dipped. Galvanized complying with ASTM A-123, NSF approved, RoHS compliant.

Black: Protected against oxidation with varnish coating.

Cutting Procedure: All pipe is roller cut. A visual inspection of seams, excessive galvanizing, mid-welds, poor galvanizing, bends, roundness, under and over weight of the pipe is made at the time it is cut. This is done for every length of pipe. Pipe lengths are cut to a tolerance of + or - 1/16" of the actual length.

Threading Procedure:

All pipe is chaser thread cut to American Standard Tapered Pipe Thread standards. This is 3/4" taper per foot. Pipe is visually inspected for roundness of threads and other visual faults as it is removed from the threading machine.

SCHEDULE 80 XXS SEAMLESS



- ASTM A106 Grade B Seamless Pipe
- ASTM A 53
- WVN 351
- Standard NPT Tapered Pipe Threads as per ANSI B 1.20.1 Specification

XXS SEAMLESS



WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

PRICING FILE AVAILABLE ONLINE

BLACK AND GALVANIZED SCH 40

NIPPLES AND FITTINGS

1/8" - 27

Wall Thickness 0.068 - Grade B - Test Pressure
700 PSI - Thread Length 0.39



**1/8" DIAMETER
SCH 40 WELDED**



PART # GALV		LENGTH	BOX/CASE	APPROX. WT. LBS.	PART # BLACK	
56001	----	X Close (3/4")	50/600	0.02	57001	----
56002	----	x 1-1/2"	50/600	0.03	57002	----
56003	----	x 2"	50/500	0.04	57003	----
56004	----	x 2-1/2"	100/400	0.06	57004	----
56005	----	x 3"	50/300	0.07	57005	----
56006	----	x 3-1/2"	50/300	0.08	57006	----
56007	----	x 4"	50/300	0.09	57007	----
56008	----	x 4-1/2"	50/300	0.10	57008	----
56009	----	x 5"	50/300	0.11	57009	----
56010	----	x 5-1/2"	50/300	0.12	57010	----
56011	----	x 6"	50/300	0.13	57011	----
56012	----	x 7"	50/300	0.15	57012	----
56013	----	x 8"	50/300	0.18	57013	----
56014	----	x 9"	50/300	0.21	57014	----
56015	----	x 10"	50/300	0.25	57015	----
56017	----	x 12"	50/300	0.29	57017	----

1/4"-18

Wall Thickness 0.068 - Grade B - Test Pressure
700 PSI - Thread Length 0.39



**1/4" DIAMETER
SCH 40 WELDED**



PART # GALV		LENGTH	BOX/CASE	APPROX. WT. LBS.	PART # BLACK	
56020	----	X Close (7/8")	50/600	0.04	57020	----
56021	----	x 1-1/2"	125/500	0.06	57021	----
56022	----	x 2"	125/500	0.06	57022	----
56023	----	x 2-1/2"	100/400	0.08	57023	----
56024	----	x 3"	50/300	0.10	57024	----
56025	----	x 3-1/2"	50/300	0.12	57025	----
56026	----	x 4"	50/300	0.14	57026	----
56027	----	x 4-1/2"	50/300	0.17	57027	----
56028	----	x 5"	50/300	0.19	57028	----
56029	----	x 5-1/2"	50/300	0.21	57029	----
56030	----	x 6"	50/300	0.23	57030	----
56031	----	x 7"	50/100	0.27	57031	----
56032	----	x 8"	50/100	0.31	57032	----
56033	----	x 9"	50/100	0.35	57033	----
56034	----	x 10"	50/100	0.40	57034	----
56035	----	x 11"	50/100	0.44	57035	----
56036	----	x 12"	50/100	0.48	57036	----
56038	----	x 18"	50/100	0.54		

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer.
 For more information, visit www.P65Warnings.ca.gov

NIPPLES & FITTINGS

BLACK AND GALVANIZED SCH 40

NIPPLES AND FITTINGS



3/8" DIAMETER SCH 40 WELDED

Wall Thickness 0.091 - Grade B
- Test Pressure 700 PSI - Thread



PART # GALV	LENGTH	BOX/CASE Length 0.6	APPROX. WT. LBS.	PART # BLACK
56040	X Close (1")	50/600	0.05	57040
56041	x 1-1/2"	125/500	0.07	57041
56042	x 2"	125/500	0.08	57042
56043	x 2-1/2"	100/400	0.11	57043
56044	x 3"	50/300	0.13	57044
56045	x 3-1/2"	50/300	0.16	57045
56046	x 4"	50/300	0.19	57046
56047	x 4-1/2"	50/200	0.21	57047
56048	x 5"	50/150	0.24	57048
56049	x 5-1/2"	50/150	0.27	57049
56050	x 6"	50/100	0.29	57050
56051	x 7"	50/100	0.35	57051
56052	x 8"	50/100	0.40	57052
56053	x 9"	50/100	0.45	57053
56054	x 10"	50/100	0.51	57054
56055	x 11"	50/100	0.56	57055
56056	x 12"	50/100	0.62	57056
56430	x 18"	5/10	0.71	57430
	x 24"	1/1	1.02	57431



1/2" DIAMETER SCH 40 WELDED

Wall Thickness 0.109 -
Grade B - Test Pressure 700
PSI - Thread Length 0.78



PART # GALV	LENGTH	BOX/CASE	APPROX. WT. LBS.	PART # BLACK
56060	X Close (1-1/8")	50/600	0.08	57060
56061	x 1-1/2"	125/500	0.08	57061
56062	x 2"	125/500	0.12	57062
56063	x 2-1/2"	100/400	0.15	57063
56064	x 3"	50/300	0.19	57064
56065	x 3-1/2"	50/300	0.23	57065
56066	x 4"	50/300	0.27	57066
56067	x 4-1/2"	50/200	0.30	57067
56068	x 5"	50/150	0.34	57068
56069	x 5-1/2"	50/150	0.38	57069
56070	x 6"	50/100	0.42	57070
56071	x 7"	50/100	0.49	57071
56072	x 8"	50/100	0.57	57072
56073	x 9"	50/100	0.65	57073
56074	x 10"	50/100	0.72	57074
56075	x 11"	50/100	0.80	57075
56076	x 12"	40/80	0.87	57076
56240	x 18"	1/3	1.29	57240
56241	x 24"	1/3	1.74	57241
56242	x 30"	1/3	2.16	57242
56243	x 36"	1/3	2.61	57243
56244	x 42"	1/3	3.03	57244
56245	x 48"	1/3	3.48	57245
56246	x 60"	1/3	4.35	57246
56247	x 72"	1/3	5.22	57247

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer.
 For more information, visit www.P65Warnings.ca.gov



BLACK AND GALVANIZED SCH 40

NIPPLES AND FITTINGS

3/4" DIAMETER SCH 40 WELDED



Wall Thickness 0.113 -
Grade B - Test Pressure
700 PSI - Thread Length
0.79



Part # Galv		Length	Box/Case	Approx. Wt. Lbs.	Part # Black	
56080	----	X Close (1-3/8")	50/300	0.13	57080	----
56081	----	x 1-1/2"	125/250	0.10	57081	----
56082	----	x 2"	125/250	0.15	57082	----
56083	----	x 2-1/2"	50/250	0.20	57083	----
56084	----	x 3"	50/200	0.24	57084	----
56085	----	x 3-1/2"	50/150	0.29	57085	----
56086	----	x 4"	50/150	0.34	57086	----
56087	----	x 4-1/2"	50/150	0.39	57087	----
56088	----	x 5"	50/150	0.43	57088	----
56089	----	x 5-1/2"	60/120	0.48	57089	----
56090	----	x 6"	50/100	0.53	57090	----
56091	----	x 7"	50/100	0.63	57091	----
56092	----	x 8"	50/100	0.72	57092	----
56093	----	x 9"	40/80	0.82	57093	----
56094	----	x 10"	40/80	0.91	57094	----
56095	----	x 11"	30/60	1.01	57095	----
56096	----	x 12"	30/60	1.10	57096	----
56250	----	x 18"	1/3	1.63	57250	----
56251	----	x 24"	1/3	2.20	57251	----
56252	----	x 30"	1/3	2.73	57252	----
56253	----	x 36"	1/3	3.30	57253	----
56254	----	x 42"	1/3	3.83	57254	----
56255	----	x 48"	1/3	4.40	57255	----
56256	----	x 60"	1/3	5.50	57256	----
56257	----	x 72"	1/3	6.60	57257	----

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NIPPLES & FITTINGS

BLACK AND GALVANIZED SCH 40

NIPPLES AND FITTINGS



1" DIAMETER SCH 40 WELDED

Wall Thickness 0.133 - Grade
B - Test Pressure 700 PSI -
Thread Length 0.98



PART # GALV		LENGTH	BOX/CASE	APPROX. WT. LBS.	PART # BLACK	
56100	----	X Close (1-1/2")	50/200	0.16	57100	----
56101	----	x 2"	50/150	0.23	57101	----
56102	----	x 2-1/2"	50/150	0.29	57102	----
56103	----	x 3"	50/100	0.36	57103	----
56104	----	x 3-1/2"	50/100	0.43	57104	----
56105	----	x 4"	50/100	0.50	57105	----
56106	----	x 4-1/2"	50/100	0.56	57106	----
56107	----	x 5"	50/100	0.63	57107	----
56108	----	x 5-1/2"	50/100	0.70	57108	----
56109	----	x 6"	40/80	0.77	57109	----
56110	----	x 7"	25/50	0.90	57110	----
56111	----	x 8"	25/50	1.03	57111	----
56112	----	x 9"	15/30	1.17	57112	----
56113	----	x 10"	15/30	1.30	57113	----
56114	----	x 11"	15/30	1.44	57114	----
56115	----	x 12"	15/30	1.57	57115	----
56260	----	x 18"	1/3	2.34	57260	----
56261	----	x 24"	1/3	3.14	57261	----
56262	----	x 30"	1/3	3.91	57262	----
56263	----	x 36"	1/3	4.71	57263	----
56264	----	x 42"	1/3	5.48	57264	----
56265	----	x 48"	1/3	6.28	57265	----
56266	----	x 60"	1/3	7.85	57266	----
56267	----	x 72"	1/3	9.42	57267	----

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BLACK AND GALVANIZED SCH 40

NIPPLES AND FITTINGS



1-1/4" DIAMETER SCH 40 WELDED

Wall Thickness 0.14 - Grade
B - Test Pressure 1300 PSI -
Thread Length 1.01



PART # GALV	LENGTH	BOX/CASE	APPROX. WT. LBS.	PART # BLACK
56120	X Close (1-5/8")	50/100	0.25	57120
56121	x 2"	50/100	0.32	57121
56122	x 2-1/2"	50/100	0.41	57122
56123	x 3"	50/100	0.50	57123
56124	x 3-1/2"	30/60	0.60	57124
56125	x 4"	30/60	0.69	57125
56126	x 4-1/2"	30/60	0.78	57126
56127	x 5"	25/50	0.87	57127
56128	x 5-1/2"	25/50	0.96	57128
56129	x 6"	25/50	1.06	57129
56130	x 7"	15/30	1.24	57130
56131	x 8"	15/30	1.42	57131
56132	x 9"	15/30	1.61	57132
56133	x 10"	15/30	1.79	57133
56134	x 11"	10/20	1.97	57134
56135	x 12"	10/20	2.16	57135
56270	x 18"	1/3	3.22	57270
56271	x 24"	1/3	4.32	57271
56272	x 30"	1/3	3.22	57272
56273	x 36"	1/3	6.48	57273
56275	x 48"			57275
	x 48"	1/3	8.64	57275
56276	x 60"	1/3	10.80	57276



1-1/2" DIAMETER SCH 40 WELDED

Wall Thickness 0.145 - Grade
B - Test Pressure 1300 PSI -
Thread Length 1.03



PART # GALV	LENGTH	BOX/CASE	APPROX. WT. LBS.	PART # BLACK
56140	X Close (1-3/4")	50/100	0.31	57140
56141	x 2"	40/80	0.37	57141
56142	x 2-1/2"	40/80	0.47	57142
56143	x 3"	40/80	0.58	57143
56144	x 3-1/2"	25/50	0.68	57144
56145	x 4"	25/50	0.78	57145
56146	x 4-1/2"	25/50	0.89	57146
56147	x 5"	25/50	1.10	57147
56148	x 5-1/2"	20/40	1.10	57148
56149	x 6"	15/30	1.20	57149
56150	x 7"	15/30	1.41	57150
56151	x 8"	15/30	1.62	57151
56152	x 9"	15/30	1.83	57152
56153	x 10"	1/20	2.04	57153
56154	x 11"	1/20	2.25	57154
56155	x 12"	1/20	2.46	57155
56280	x 18"	1/3	3.66	57280
56281	x 24"	1/3	4.92	57281
56282	x 30"	1/3	6.12	57282
56283	x 36"	1/3	7.38	57283
56285	x 48"	1/3	9.84	57285
56286	x 60"			57286

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NIPPLES & FITTINGS

BLACK AND GALVANIZED SCH 40

NIPPLES AND FITTINGS

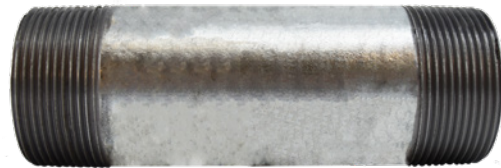


2" DIAMETER SCH 40 WELDED

Wall Thickness 0.154 - Grade
B - Test Pressure 2500 PSI -
Thread Length 1.06



PART # GALV		LENGTH	BOX/CASE	APPROX. WT. LBS.	PART # BLACK	
56160	----	X Close (2")	40/80	0.55	57160	----
56161	----	x 2-1/2"	25/50	0.70	57161	----
56162	----	x 3"	25/50	0.86	57162	----
56163	----	x 3-1/2"	1/30	1.01	57163	----
56164	----	x 4"	1/30	1.16	57164	----
56165	----	x 4-1/2"	1/25	1.31	57165	----
56166	----	x 5"	1/30	1.47	57166	----
56167	----	x 5-1/2"	1/30	1.62	57167	----
56168	----	x 6"	1/20	1.77	57168	----
56169	----	x 7"	1/20	2.08	57169	----
56170	----	x 8"	1/20	2.39	57170	----
56171	----	x 9"	1/10	2.70	57171	----
56172	----	x 10"	1/10	3.00	57172	----
56173	----	x 11"	1/10	3.31	57173	----
56174	----	x 12"	1/10	3.62	57174	----
56290	----	x 18"	1/3	5.39	57290	----
56291	----	x 24"	1/3	5.26	57291	----
56292	----	x 30"	1/3	7.03	57292	----
56293	----	x 36"	1/3	10.86	57293	----
56294	----	x 42"	1/3	12.63	57294	----
56295	----	x 48"	1/3	14.48	57295	----
56296	----	x 60"	1/3	18.10	57296	----
56297	----	x 72"	1/3	18.10	57297	----



2-1/2" DIAMETER SCH 40 WELDED

Wall Thickness 0.203 - Grade
B - Test Pressure 2500 PSI -
Thread Length 1.57



PART # GALV		LENGTH	BOX/CASE	APPROX. WT. LBS.	PART # BLACK	
56180	----	X Close (2-1/2")	1/20	1.09	57180	----
56181	----	x 3"	1/20	1.33	57181	----
56182	----	x 3-1/2"	1/20	1.57	57182	----
56183	----	x 4"	1/20	1.82	57183	----
56184	----	x 4-1/2"	1/20	2.06	57184	----
56185	----	x 5"	1/20	2.30	57185	----
56186	----	x 5-1/2"	1/10	2.54	57186	----
56187	----	x 6"	1/10	2.78	57187	----
56188	----	x 7"	1/10	3.27	57188	----
56189	----	x 8"	1/10	3.75	57189	----
56190	----	x 9"	1/10	4.24	57190	----
56191	----	x 10"	1/8	4.72	57191	----
56192	----	x 11"	1/8	5.21	57192	----
56193	----	x 12"	1/8	5.69	57193	----

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 For more information, visit www.P65Warnings.ca.gov



BLACK AND GALVANIZED SCH 40

NIPPLES AND FITTINGS



3" DIAMETER SCH 40 WELDED

Wall Thickness 0.216 - Grade
B - Test Pressure 2500 PSI -
Thread Length 1.64



PART # GALV		LENGTH	BOX/CASE	APPROX. WT. LBS.	PART # BLACK	
56200	----	X Close (2-5/8")	1/20	1.52	57200	----
56201	----	x 3"	1/20	1.76	57201	----
56202	----	x 3-1/2"	1/10	2.08	57202	----
56203	----	x 4"	1/10	2.39	57203	----
56204	----	x 4-1/2"	1/10	2.71	57204	----
56205	----	x 5"	1/10	3.03	57205	----
56206	----	x 5-1/2"	1/10	3.35	57206	----
56207	----	x 6"	1/10	3.66	57207	----
56208	----	x 7"	1/8	4.30	57208	----
56209	----	x 8"	1/8	4.93	57209	----
56210	----	x 9"	1/8	5.57	57210	----
56211	----	x 10"	1/5	6.20	57211	----
56212	----	x 11"	1/5	7.20	57212	----
56213	----	x 12"	1/5	7.47	57213	----
		x 24"	1	14.94	57311	----



4" DIAMETER SCH 40 WELDED

Wall Thickness 0.237 - Grade
B - Test Pressure 2210 PSI -
Thread Length 1.74



PART # GALV		LENGTH	BOX/CASE	APPROX. WT. LBS.	PART # BLACK	
56220	----	X Close (2-7/8")	1/10	2.00	57220	----
56221	----	3-1/2"	1/8	2.21		
56223	----	x 4"	1/8	3.41	57223	----
56224	----	x 4-1/2"	1/6	3.86	57224	----
56225	----	x 5"	1/6	4.31	57225	----
56226	----	x 5-1/2"	1/6	4.76	57226	----
56227	----	x 6"	1/6	5.21	57227	----
56330	----	x 7"	1/5	6.48	57330	----
56229	----	x 8"	1/5	7.01	57229	----
56331	----	x 9"	1/5	7.54	57331	----
56332	----	x 10"	1/5	8.14	57332	----
56228	----	x 12"	1/4	8.54	57228	----



VIEW PRICING AND AVAILABLE STOCK ONLINE

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer.
 For more information, visit www.P65Warnings.ca.gov

NIPPLES & FITTINGS

NIPPLES AND ASSORTMENTS

NIPPLES AND FITTINGS



6" DIAMETER SCH 40 WELDED

Wall Thickness 0.154 - Grade
B - Test Pressure 2500 PSI -
Thread Length 1.06



PART # GALV		LENGTH	BOX/CASE	APPROX. WT. LBS.	PART # BLACK	
56300	----	X Close (3-1/8")	1/1	3.80	57300	----
		x 4"	1/1	5.30	57304	----
		x 6"	1/1	8.30	57301	----
		x 8"	1/1	11.30	57305	----
		x 10"			57306	----
		x 12"	1/1	17.20	57308	----



8" DIAMETER SCH 40 WELDED

Wall Thickness 0.154 - Grade
B - Test Pressure 2500 PSI -
Thread Length 1.06

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
57320	X Close (3-1/8")	1/1	5.80	----
57322	x 6"	1/1	6.50	----
57324	x 8"	1/1	11.30	----
57326	x 10"	1/1	19.00	----
57328	x 12"	1/1	28.55	----



SCH 40 SINGLE RUN NIPPLE BLACK

PART	DESCRIPTION	CLOSE	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5 1/2	6	TOTAL PCS	LIST
973570	1/2"	1	1	1	1	1	1	1	1	1	1	1	11	
973571	3/4"	1	1	1	1	1	1	1	1	1	1	1	11	
973572	1"	1		1	1	1	1	1	1	1	1	1	10	
973573	1-1/4"	1		1	1	1	1	1	1	1	1	1	10	
973574	1-1/2"	1		1	1	1	1	1	1	1	1	1	10	
973575	2"	1			1	1	1	1	1	1	1	1	9	

SCH 40 SINGLE RUN NIPPLE GALVANIZED

PART	DESCRIPTION	CLOSE	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5 1/2	6	TOTAL PCS	LIST
973670	1/2"	1	1	1	1	1	1	1	1	1	1	1	11	
973671	3/4"	1	1	1	1	1	1	1	1	1	1	1	11	
973672	1"	1		1	1	1	1	1	1	1	1	1	10	
973673	1-1/4"	1		1	1	1	1	1	1	1	1	1	10	
973674	1-1/2"	1		1	1	1	1	1	1	1	1	1	10	
973675	2"	1			1	1	1	1	1	1	1	1	9	

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 For more information, visit www.P65Warnings.ca.gov

NIPPLES AND ASSORTMENTS

NIPPLES AND FITTINGS

STEEL NIPPLE ASSORTMENTS

B "6" ASSORTMENTS



BLACK		LENGTH											WT. LBS.	TOTAL PIECES		
		CLOSE	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	4-1/2"	5"	5-1/2"	6"				
973567	1/2"	6	6	6	6	6	6	6	6	6	6	6	6	20	66	----
973568	3/4"	6	6	6	6	6	6	6	6	6	6	6	6	27	66	----
973569	1"	6		6	6	6	6	6	6	6	6	6	6	34	60	----

GALV.		LENGTH											WT. LBS.	TOTAL PIECES		
		CLOSE	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	4-1/2"	5"	5-1/2"	6"				
973667	1/2"	6	6	6	6	6	6	6	6	6	6	6	6	20	66	----
973668	3/4"	6	6	6	6	6	6	6	6	6	6	6	6	27	66	----
973669	1"	6		6	6	6	6	6	6	6	6	6	6	34	60	----

STEEL TOTE TRAYS



PART #	SIZE	CAPACITY	
990781	1/2"	77pcs	----
990782	3/4"	66pcs	----
990783	1"	50pcs	----
990786	1-1/4"	40pcs	----
990784	1-1/2"	30pcs	----
990785	2"	27pcs	----

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NIPPLES & FITTINGS

BLACK SCH 80 SEAMLESS

NIPPLES AND FITTINGS

EXTRA HEAVY SEAMLESS STEEL PIPE NIPPLES

1/8" - 27



1/8" DIAMETER SCHEDULE 80 SEAMLESS

Wall Thickness 0.094 - Grade B - Test Pressure 850 PSI - Thread Length 0.39

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59001SMLS	x Close	40/480	0.02	----
59002SMLS	x 1-1/2"	40/480	0.03	----
59003SMLS	x 2"	100/400	0.05	----
59004SMLS	2-1/2"	100/400	0.06	----
59005SMLS	x 3"	40/240	0.08	----
59006SMLS	x 3-1/2"	40/240	0.09	----
59007SMLS	x 4"	40/240	0.11	----
59009SMLS	x 5"	40/120	0.12	----
59010SMLS	x 5-1/2"	40/120	0.13	----
59011SMLS	x 6"	40/80	0.16	----

1/4" - 18



1/4" DIAMETER SCHEDULE 80 SEAMLESS

Wall Thickness 0.119 - Grade B - Test Pressure 850 PSI - Thread Length 0.59

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59020SMLS	x Close (7/8")	40 / 480	0.03	----
59021SMLS	x 1-1/2"	100 / 400	0.06	----
59022SMLS	x 2"	100 / 400	0.08	----
59023SMLS	x 2-1/2"	80 / 320	0.10	----
59024SMLS	x 3"	40 / 240	0.12	----
59025SMLS	x 3-1/2"	40 / 240	0.15	----
59026SMLS	x 4"	40 / 240	0.17	----
59027SMLS	x 4-1/2"	40 / 120	0.19	----
59028SMLS	x 5"	40 / 120	0.21	----
59029SMLS	x 5-1/2"	40 / 80	0.24	----
59030SMLS	x 6"	40 / 80	0.26	----
59031SMLS	x 7"	40 / 80	0.30	----
59032SMLS	x 8"	40 / 80	0.35	----
59033SMLS	x 9"	40 / 80	0.39	----
59034SMLS	x 10"	40 / 80	0.44	----
59036SMLS	x 12"	40 / 80	0.53	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



BLACK SCH 80 SEAMLESS

NIPPLES AND FITTINGS

3/8" - 18



3/8" DIAMETER SCHEDULE 80 SEAMLESS

Wall Thickness 0.126 - Grade B - Test Pressure 850 PSI - Thread Length 0.6

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59040SMLS	X Close (3/8")	40 / 480	0.05	----
59041SMLS	x 1-1/2"	100 / 400	0.08	----
59042SMLS	x 2"	100 / 400	0.11	----
59043SMLS	x 2-1/2"	80 / 320	0.14	----
59044SMLS	x 3"	40 / 240	0.17	----
59045SMLS	x 3-1/2"	40 / 240	0.20	----
59046SMLS	x 4"	40 / 240	0.23	----
59047SMLS	x 4-1/2"	40 / 160	0.26	----
59048SMLS	x 5"	40 / 120	0.29	----
59049SMLS	x 5-1/2"	40 / 120	0.32	----
59050SMLS	x 6"	40 / 80	0.35	----
59052SMLS	x 8"	40/80	0.47	----
59054SMLS	x 10"	40/80	0.53	----
59056SMLS	x 12"	40/80	0.65	----

1/2" - 14



1/2" DIAMETER SCHEDULE 80 SEAMLESS

Wall Thickness 0.147 - Grade B - Test Pressure 850 PSI - Thread Length 0.78

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59060SMLS	X Close (1-1/8")	40 / 480	0.07	----
59061SMLS	x 1-1/2"	100 / 400	0.11	----
59062SMLS	x 2"	100 / 400	0.15	----
59063SMLS	x 2-1/2"	80 / 320	0.20	----
59064SMLS	x 3"	40 / 240	0.24	----
59065SMLS	x 3-1/2"	40 / 240	0.29	----
59066SMLS	x 4"	40 / 240	0.33	----
59067SMLS	x 4-1/2"	40 / 160	0.38	----
59068SMLS	x 5"	40 / 120	0.42	----
59069SMLS	x 5-1/2"	40 / 120	0.47	----
59070SMLS	x 6"	40 / 80	0.51	----
59071SMLS	x 7"	40 / 80	0.60	----
59072SMLS	x 8"	40 / 80	0.69	----
59073SMLS	x 9"	40/80	0.73	----
59074SMLS	x 10"	40 / 80	0.88	----
59075SMLS	x 11"	32/64	0.96	----
59076SMLS	x 12"	32 / 64	1.06	----

See our website for Schedule 80 Welded Black and Galvanized Steel Nipples

BLACK SCH 80 SEAMLESS

NIPPLES AND FITTINGS

NIPPLES & FITTINGS



3/4" - 14

3/4" DIAMETER SCHEDULE 80 SEAMLESS

Wall Thickness 0.154 - Grade B - Test Pressure 850 PSI - Thread Length 0.79

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59080SMLS	X Close (1-3/8")	40/240	0.13	----
59081SMLS	x 1-1/2"	100/200	0.15	----
59082SMLS	x 2"	100/200	0.21	----
59083SMLS	x 2-1/2"	40/160	0.27	----
59084SMLS	x 3"	40/160	0.33	----
59085SMLS	x 3-1/2"	40/120	0.39	----
59086SMLS	x 4"	40/120	0.45	----
59087SMLS	x 4-1/2"	40/120	0.51	----
59088SMLS	x 5"	40/120	0.57	----
59089SMLS	x 5-1/2"	48/96	0.64	----
59090SMLS	x 6"	40/80	0.69	----
59091SMLS	x 7"	40/80	0.82	----
59092SMLS	x 8"	40/80	0.94	----
59094SMLS	x 10"	32/64	1.19	----
59096SMLS	x 12"	24/48	1.44	----



1" - 11 1/2

1" DIAMETER SCHEDULE 80 SEAMLESS

Wall Thickness 0.179 - Grade B - Test Pressure 850 PSI - Thread Length 0.98

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59100SMLS	X Close (1-1/2")	40 / 160	0.21	----
59101SMLS	x 2"	40 / 120	0.30	----
59102SMLS	x 2-1/2"	40 / 120	0.37	----
59103SMLS	x 3"	40 / 80	0.47	----
59104SMLS	x 3-1/2"	40 / 80	0.56	----
59105SMLS	x 4"	40 / 80	0.65	----
59106SMLS	x 4-1/2"	40 / 80	0.74	----
59107SMLS	x 5"	40 / 80	0.83	----
59108SMLS	x 5-1/2"	40 / 80	0.92	----
59109SMLS	x 6"	32 / 64	1.01	----
59110SMLS	x 7"	20 / 40	1.19	----
59111SMLS	x 8"	20 / 40	1.37	----
59112SMLS	x 9"	20 / 40	1.55	----
59113SMLS	x 10"	12 / 24	1.74	----
59114SMLS	x 11"	12 / 24	1.92	----
59115SMLS	x 12"	12 / 24	2.10	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



BLACK SCH 80 SEAMLESS

NIPPLES AND FITTINGS



1-1/4" DIAMETER SCHEDULE 80 SEAMLESS

Wall Thickness 0.191 - Grade B - Test Pressure 1900 PSI - Thread Length 1.01

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59120SMLS	X Close (1-5/8")	40 / 80	0.31	----
59121SMLS	x 2"	40 / 80	0.42	----
59122SMLS	x 2-1/2"	40 / 80	0.52	----
59123SMLS	x 3"	40 / 80	0.64	----
59124SMLS	x 3-1/2"	24 / 48	0.77	----
59125SMLS	x 4"	24 / 48	0.90	----
59126SMLS	x 4-1/2"	24 / 48	1.02	----
59127SMLS	x 5"	20 / 40	1.15	----
59128SMLS	x 5-1/2"	20 / 40	1.27	----
59129SMLS	x 6"	20 / 40	1.40	----
59130SMLS	x 7"	20 / 40	1.65	----
59131SMLS	x 8"	12 / 24	1.90	----
59132SMLS	x 9"	12 / 24	2.15	----
59133SMLS	x 10"	12 / 24	2.40	----
59134SMLS	x 11"	8 / 16	2.65	----
59135SMLS	x 12"	8 / 16	2.90	----



1-1/2" DIAMETER SCHEDULE 80 SEAMLESS

Wall Thickness 0.2 - Grade B - Test Pressure 1900 PSI - Thread Length 1.03

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59140SMLS	X Close (1-3/4")	40 / 80	0.41	----
59141SMLS	x 2"	32 / 64	0.51	----
59142SMLS	x 2-1/2"	32 / 64	0.64	----
59143SMLS	x 3"	32 / 64	0.78	----
59144SMLS	x 3-1/2"	20 / 40	0.94	----
59145SMLS	x 4"	20 / 40	1.09	----
59146SMLS	x 4-1/2"	20 / 40	1.23	----
59147SMLS	x 5"	20 / 40	1.39	----
59148SMLS	x 5-1/2"	16 / 32	1.54	----
59149SMLS	x 6"	12 / 24	1.69	----
59150SMLS	x 7"	12 / 24	2.00	----
59151SMLS	x 8"	12 / 24	2.30	----
59152SMLS	x 9"	12 / 24	2.61	----
59153SMLS	x 10"	8 / 16	2.90	----
59154SMLS	x 11"	8 / 16	3.20	----
59155SMLS	x 12"	8 / 16	3.51	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

BLACK SCH 80 SEAMLESS

NIPPLES AND FITTINGS



2" DIAMETER SCHEDULE 80 SEAMLESS

Wall Thickness 0.218 - Grade B - Test Pressure 2500 PSI - Thread Length 1.06

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59160SMLS	X Close (2")	32/64	0.30	----
59161SMLS	x 2-1/2"	20 / 40	0.80	----
59162SMLS	x 3"	20 / 40	1.10	----
59163SMLS	x 3-1/2"	12 / 24	1.31	----
59164SMLS	x 4"	12 / 24	1.52	----
59165SMLS	x 4-1/2"	12 / 24	1.72	----
59166SMLS	x 5"	12 / 24	1.94	----
59167SMLS	x 5-1/2"	12 / 24	2.15	----
59168SMLS	x 6"	8 / 16	2.35	----
59169SMLS	x 7"	8 / 16	2.78	----
59170SMLS	x 8"	8 / 16	3.19	----
59171SMLS	x 9"	1 / 8	3.62	----
59172SMLS	x 10"	1 / 8	4.03	----
59173SMLS	x 11"	1 / 8	4.44	----
59174SMLS	x 12"	1 / 8	4.87	----
59196SMLS	x 18"	1/1	7.22	----
59197SMLS	x 24"	1/1	9.74	----
59198SMLS	x 36"	1/1	14.61	----
59199SMLS	x 48"	1/1	19.48	----



2-1/2" DIAMETER SCHEDULE 80 SEAMLESS

Wall Thickness 0.276 - Grade B - Test Pressure 2500 PSI - Thread Length 1.57

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59180SMLS	x Close (2-1/2")	1 / 16	1.25	----
59181SMLS	x 3"	1 / 16	1.57	----
59182SMLS	x 3-1/2"	1 / 16	1.82	----
59183SMLS	x 4"	1 / 16	2.15	----
59184SMLS	x 4-1/2"	1 / 16	1.75	----
59185SMLS	x 5"	1 / 16	2.78	----
59186SMLS	x 5-1/2"	1 / 8	2.25	----
59187SMLS	x 6"	1 / 8	3.41	----
59188SMLS	x 7"	1 / 8	3.89	----
59189SMLS	x 8"	1 / 8	4.69	----
59190SMLS	x 9"	1 / 8	5.34	----
59191SMLS	x 10"	1 / 6	5.97	----
59192SMLS	x 11"	1 / 6	4.89	----
59193SMLS	x 12"	1 / 5	7.26	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



BLACK SCH 80 SEAMLESS

NIPPLES AND FITTINGS



3" DIAMETER SCHEDULE 80 SEAMLESS

Wall Thickness 0.3 - Grade B - Test Pressure 2500 PSI - Thread Length 1.64

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-200SMLS	X Close (2-5/8")	1 / 16	1.79	----
59-201SMLS	x 3"	1 / 16	2.11	----
59-202SMLS	x 3-1/2"	1 / 16	2.55	----
59-203SMLS	x 4"	1 / 8	2.89	----
59-204SMLS	x 4-1/2"	1 / 8	3.30	----
59-205SMLS	x 5"	1 / 8	3.73	----
59-206SMLS	x 5-1/2"	1 / 8	4.17	----
59-207SMLS	x 6"	1 / 8	4.57	----
59-208SMLS	x 7"	1 / 6	5.45	----
59-209SMLS	x 8"	1 / 6	6.29	----
59-210SMLS	x 9"	1 / 6	7.17	----
59-211SMLS	x 10"	1 / 4	8.01	----
59-212SMLS	x 11"	1 / 4	8.85	----
59-213SMLS	x 12"	1 / 4	9.72	----



4" DIAMETER SCHEDULE 80 SEAMLESS

Wall Thickness 0.337 - Grade B - Test Pressure 2800 PSI - Thread Length 1.74

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59220SMLS	X Close (2-7/8")	1 / 8	2.91	----
59221SMLS	x 4"	1 / 6	4.26	----
59223SMLS	x 5"	1 / 5	5.49	----
59224SMLS	x 5-1/2"			
59225SMLS	x 6"	1 / 5	6.72	----
59226SMLS	x 7"	1/3	7.33	----
59227SMLS	x 8"	1 / 3	9.23	----
59228SMLS	9"			
59229SMLS	x 10"	1 / 3	11.73	----
59231SMLS	x 12"	1 / 3	14.24	----



6" DIAMETER

SCHEDULE 80 SEAMLESS



8" DIAMETER

PART #		LENGTH	BOX/CASE	APPROX. WT. LBS.		PART #	
				6"	8"		
59300SMLS	----	X Close	2	3.57	4.62	59-320SMLS	----
59301SMLS	----	x 6"	2	14.29	16.91	59-322SMLS	----
59305SMLS	----	x 8"	2	19.05	22.54	59-324SMLS	----
59306SMLS	----	x 10"	2	23.81	27.47	59-326SMLS	----
59308SMLS	----	x 12"	2	28.57	34.18	59-328SMLS	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

NIPPLES & FITTINGS

BLACK EXTRA HEAVY XXS SEAMLESS

NIPPLES AND FITTINGS



1/2" DIAMETER BLACK EXTRA HEAVY XXS SEAMLESS

Wall Thickness 0.294 - Grade B - Test Pressure 1000 PSI - Thread Length 0.79

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59060SMLSXX	x Close	100 / 200	0.31	----
59062SMLSXX	x 2"	100 / 200	0.58	----
59064SMLSXX	x 3"	50 / 100	0.62	----
59066SMLSXX	x 4"	50 / 100	0.66	----
59070SMLSXX	x 6"	25 / 50	0.75	----



3/4" DIAMETER DIAMETER BLACK EXTRA HEAVY XXS SEAMLESS

Wall Thickness 0.308 - Grade B - Test Pressure 1000 PSI - Thread Length 0.79

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59080SMLSXX	x Close	40/240	0.55	----
59082SMLSXX	x 2"	50 / 100	0.62	----
59086SMLSXX	x 4"	25 / 50	0.68	----
59090SMLSXX	x 6"	25 / 50	0.71	----



1" DIAMETER DIAMETER BLACK EXTRA HEAVY XXS SEAMLESS

Wall Thickness 0.358 - Grade B - Test Pressure 1000 PSI - Thread Length 0.98

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59100SMLSXX	x close	50 / 100	0.88	----
59101SMLSXX	x 2"	50 / 100	1.07	----
59103SMLSXX	x 3"	20/40	1.10	----
59105SMLSXX	x 4"	20 / 40	1.14	----
59109SMLSXX	x 6"	20 / 40	1.75	----
59111SMLSXX	x 8"	1 / 25	1.88	----
59115SMLSXX	x 12"	1 / 15	2.15	----



2" DIAMETER DIAMETER BLACK EXTRA HEAVY XXS SEAMLESS

Wall Thickness 0.436 - Grade B - Test Pressure 2500 PSI - Thread Length 1.06

PART #	LENGTH	BOX/CASE	APPROX. WT. LBS.	
59160SMLSXX	x close	1 / 25	1.36	----
59161SMLSXX	x 2-1/2"	1 / 20	1.67	----
59162SMLSXX	x 3"	1 / 20	2.09	----
59163SMLSXX	x 3-1/2"	1 / 12	2.51	----
59164SMLSXX	x 4"	1 / 12	2.86	----
59166SMLSXX	x 5"	1/12	3.04	----
59168SMLSXX	x 6"	1 / 11	3.20	----
59169SMLSXX	x 7"	1 / 8	4.35	----
59170SMLSXX	x 8"	1 / 8	5.86	----
59171SMLSXX	x 9"	1 / 8	6.58	----
59172SMLSXX	x 10"	1 / 8	7.31	----
59174SMLSXX	x 12"	1 / 8	9.34	----
59179SMLSXX	x 24"	1 / 1	14.77	----

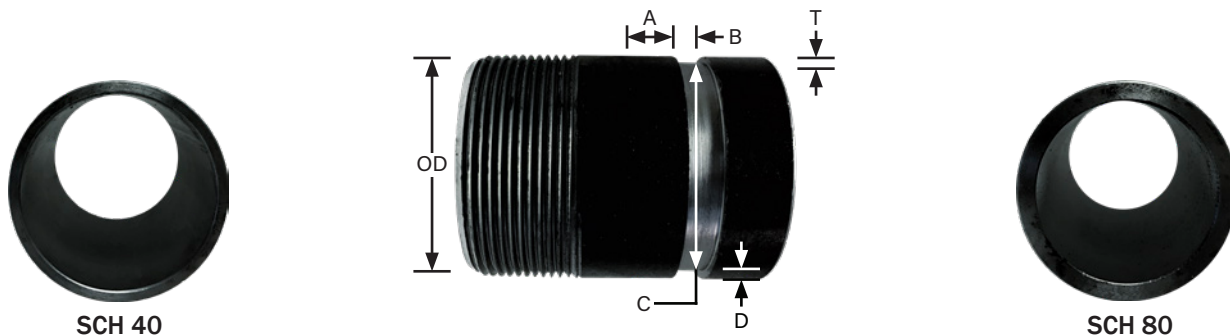
WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



SCH 40 AND SCH 80 GROOVE NIPPLES

NIPPLES AND FITTINGS

THREAD X GROOVE



2" DIAMETER							
PART #	LIST PRICE	BOX	WTG	LENGTH	WTG	BOX	PART #
57162TV	----	50	0.70	x 3	1.03	40	59162TV
57164TV	----	30	0.97	x 4	1.40	24	59164TV
57168TV	----	20	1.64	x 6	2.41	16	59168TV
57170TV	----	20	2.15	x 8	3.20	16	59170TV
57172TV	----	10	2.80	x 10	3.65	8	59172TV
57174TV	----	10	3.45	x 12	4.01	8	59174TV

3" DIAMETER							
PART #	LIST PRICE	BOX	WTG	LENGTH	WTG	BOX	PART #
57201TV	----	20	1.26	x 3	2.01	16	59201TV
57203TV	----	10	1.80	x 4	3.01	8	59203TV
57207TV	----	10	3.17	x 6	4.87	8	59207TV
57209TV	----	8	4.13	x 8	5.86	6	59209TV
57211TV	----	5	5.48	x 10	6.19	4	59211TV
57213TV	----	5	6.24	x 12	6.37	4	59213TV

4" DIAMETER							
PART #	LIST PRICE	BOX	WTG	LENGTH	WTG	BOX	PART #
57222TV	----	8	2.40	x 3	4.11	6	59222TV
57223TV	----	8	2.52	x 4	4.15	6	59221TV
57227TV	----	6	4.30	x 6	6.52	5	59225TV
57229TV	----	4	5.63	x 8	7.18	3	59229TV
57332TV	----	4	7.90	x 10	11.74	3	59231TV
57228TV	----	4	8.25	x 12	14.24	3	59227TV

NOMINAL IPS PIPE SIZE	O.D. ACTUAL	GASKET SEAT "A"	GROOVE WIDTH "B"	GROOVE DIAMETER "C"	ACTUAL GROOVE DEPTH "D"
2	2.375	0.625	0.312	2.250	0.062
3	3.500	0.625	0.312	3.344	0.078
4	4.500	0.625	0.375	4.334	0.083



GO ONLINE TO VIEW OPEN ORDERS, ORDER HISTORY, AND TRACKING INFORMATION ON ALL SHIPMENTS

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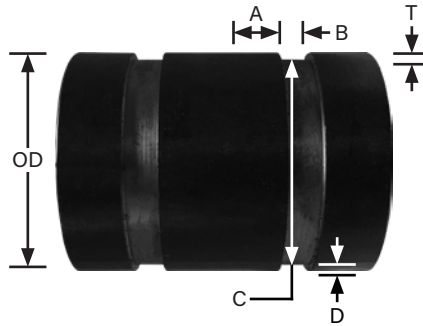
BLACK SCH 40 AND SCH 80 SEAMLESS GROOVE NIPPLES

NIPPLES AND FITTINGS

GROOVE X GROOVE



SCH 40



SCH 80

2" DIAMETER

PART #	BOX	WTG	LENGTH	WTG	BOX	PART #
57162V	50	0.70	x 3	1.03	40	59162V
57164V	30	0.97	x 4	1.40	24	59164V
57168V	20	1.64	x 6	2.41	16	59168V
57170V	20	2.15	x 8	3.20	16	59170V
57172V	10	2.80	x 10	3.65	8	59172V
57174V	10	3.45	x 12	4.01	8	59174V

3" DIAMETER

PART #	BOX	WTG	LENGTH	WTG	BOX	PART #
57201V	20	1.26	x 3	2.01	16	59201V
57203V	10	1.80	x 4	3.01	8	59203V
57207V	10	3.17	x 6	4.87	8	59207V
57209V	8	4.13	x 8	5.86	6	59209V
57211V	5	5.48	x 10	6.19	4	59211V
57213V	5	6.24	x 12	6.37	4	59213V

4" DIAMETER

PART #	BOX	WTG	LENGTH	WTG	BOX	PART #
57223V	8	2.52	x 4	4.15	6	59221V
57227V	6	4.35	x 6	6.52	5	59225V
57229V	4	5.63	x 8	7.18	3	59227V
57332V	4	7.90	x 10	11.74	3	59229V
57228V	4	8.25	x 12	14.24	3	59231V

SEAMLESS SCH 40 GROOVE X BEVEL NIPPLES



PART #	DIA. X LENGTH
57162GBS	2 x 3
57201GBS	3 x 3
57222GBS	4 x 3
57400GBS	8 x 3
57500GBS	10 x 3
57600GBS	12 x 3

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



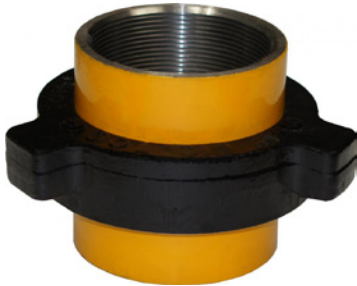
HAMMER UNIONS

NIPPLES AND FITTINGS

HAMMER UNIONS

FIG 100

Economical and for use in water, oil and gas low pressure applications up to 1,000 PSI CWP. Color coded with Yellow subs and Black nut.



PART#	SIZE	
HAM100-200-SET	2"	----
HAM100-300-SET	3"	----
HAM100-400-SET	4"	----
HAM100-600-SET	6"	----
HAM100-800-SET	8"	----
HAM100-1000-SET	10"	----

FIG 200/ 206

Medium pressure for use in water, oil and gas applications up to 2,000 PSI CWP. Color coded with Grey subs and Blue Nut. The O-Ring in the Male Sub of the FIG206 spec provides greater sealing and protects metal-to-metal seal against corrosion.



PART# FIG 200	SIZE	
HAM200-100-SET	1"	----
HAM200-200-SET	2"	----
HAM200-300-SET	3"	----
HAM200-400-SET	4"	----
HAM200-500-SET	5"	----
Part# fig 206		
HAM206-200-SET	2"	----
HAM206-300-SET	3"	----
HAM206-400-SET	4"	----
HAM206-500-SET	5"	----
HAM206-600-SET	6"	----
HAM206-800-SET	8"	----

CRIMPLOK HAMMER UNIONS

HAMMER UNION

Our hose barb union is constructed of high quality forged steel. The integral hose shank is featured on both the male and female subs. Both time and money is saved by combining the unions with the integral shanks. No more welding hammer unions to combination nipples. Fig100 (black nut) configurations for dewatering applications and fig 200/206 (blue nut) configurations for Frac and Steam applications where a gasket seal is preferred. The union end connection is interchangeable with all major hammer union manufacturers products



PART#	SIZE	
HAM206-400CR-SET	4"	----



PART#	SIZE	
HAM100-400CR-SET	4"	----
HAM100-600CR-SET	6"	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



MERCHANT COUPLINGS

NIPPLES AND FITTINGS

MERCHANT COUPLINGS

Product Specifications

Welded steel couplings both galvanized and black in diameters from 1/8" up to 4".

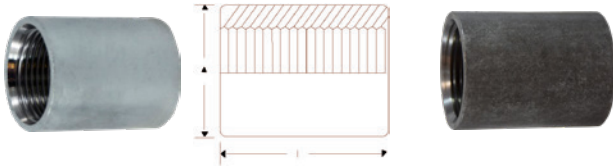
Technical Specifications

Standards: Product complies with ASTM A865 and ANSI B1.20.1 for threading, dimensions and pipe specifications. Federal Spec WW-P-404

Pipe: Complies with ASTM A-53 milltested schedule 40 and 80. Meets ANSI B36.1. All pipe is hydrostatic tested.

Galvanized: Zinc coating applied by hot dipping. Galvanized complying with ASTM-A-123.

MERCHANT COUPLINGS



• Straight threads thru 2"

PART # GALV		SIZE	PART # BLACK	
64770	----	1/8"	65770	----
64771	----	1/4"	65771	----
64772	----	3/8"	65772	----
64773	----	1/2"	65773	----
64774	----	3/4"	65774	----
64775	----	1"	65775	----
64776	----	1-1/4"	65776	----
64777	----	1-1/2"	65777	----
64778	----	2"	65778	----
64779	----	2-1/2"	65779	----
64780	----	3"	65780	----
64781	----	4"	65781	----
		5"	65782	----
		6"	65783	----

HALF MERCHANT COUPLINGS



• Straight threads thru 2"

PART # GALV		SIZE	PART # BLACK	
		1/8"	65770H	
		1/4"	65771H	----
		3/8"	65772H	----
64773H	----	1/2"	65773H	----
64774H	----	3/4"	65774H	----
64775H	----	1"	65775H	----
64776H	----	1-1/4"	65776H	----
64777H	----	1-1/2"	65777H	----
64778H	----	2"	65778H	----
		2-1/2"	65779H	----
64780H	----	3"	65780H	----
64781H	----	4"	65781H	----



#304 STAINLESS STEEL MERCHANT COUPLINGS

PART #	SIZE	
61775	1	----
61776	1-1/4	----
61777	1-1/2	----
61778	2	----

Also available:
Extra Heavy Merchant Couplings

MERCHANT COUPLINGS SPECIFICATIONS

SIZE	OUTSIDE DIAM.	LENGTH INCHES	WEIGHT 100 PCS APPROX.		QUANTITY PER BOX	THREADS PER INCH	THREADS TYPE
				POUNDS			
1/8"	.59"	.78		3.5	1000	27	Straight
1/4"	.73"	1.18		7.5	500	18	Straight
3/8"	.86"	1.18"		9	600	18	Straight
1/2"	1.063"	1-9/16"		13.0	100	14	Straight
3/4"	1.313"	1-5/8"		28.3	50	14	Straight
1"	1.576"	2"		40.1	30	11-1/2	Straight
1-1/4"	1.900"	2-1/16"		49.5	25	11-1/2	Straight
1-1/2"	2.17"	2-3/64"		71.48	25	11-1/2	Straight
2"	2.750"	2-1/8"		112.0	20	11-1/2	Straight
2-1/2"	3.250"	3-1/8"		231.2	8	8	Taper Tapped
3"	4.000"	3-1/4"		353.8	5	8	Taper Tapped
4"	5.000"	3-1/2"		471.8	4	8	Taper Tapped
6"	7.32	4"		1000.05	4	8	Taper Tapped

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

API LINE COUPLINGS

A105 BLACK STEEL TAPER TAPPED COUPLINGS

Product Specifications

These couplings are manufactured in accordance with American Petroleum Institute specifications 5L & 5B.

All couplings are phosphated.

All sizes are taper tapped 3/4" per foot on the diameter.

*Certified by the American Petroleum Institute



A105

- Black Steel
- API line API SL

- Each end has a short, unthreaded recess before the threads start.
- Use with sch 80 & sch. 160 nipples & pipe.
- Max. pressure: 3000PSI

API LINE PIPE COUPLINGS

PART #	NPT SIZE	THREADS PER INCH	OUTSIDE DIAMETER	LENGTH	UNIT WEIGHT	
65770API	1/8"	27	0.563	1-1/16	0.04	----
65771API	1/4"	18	0.719	1-5/8	0.10	----
65772API	3/8"	18	0.875	1-5/8	0.13	----
65773API	1/2"	14	1.063	2-1/8	0.24	----
65774API	3/4"	14	1.313	2-1/8	0.35	----
65775API	1"	11.5	1.576	2-5/8	0.52	----
65776API	1-1/4"	11.5	2.054	2-3/4	1.00	----
65777API	1-1/2"	11.5	2.200	2-3/4	0.88	----
65778API	2"	11.5	2.875	2-7/8	1.83	----
65779API	2-1/2"	8	3.375	4-1/8	3.28	----
65780API	3"	8	4.000	4-1/4	4.09	----
65781API	4"	8	5.200	4-1/2	7.59	----
65783API	6"	8	7.390	4-5/8	12.92	----
65784API	8"	8	9.625	5-3/4	23.18	----

I'm sorry, if you were right, I'd agree with you.

- Robin Williams



GO ONLINE TO UPLOAD YOUR LOGO TO UTILIZE ALL OF OUR CUSTOMIZABLE TOOLS!

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



MALLEABLE FITTINGS

NIPPLES AND FITTINGS

MALLEABLE FITTINGS



- Saturated steam pressure 150 PSI @ 350°F
- Max pressure 300 PSI @ 150°F
- Temp range -20°F to 350°F

ISO 9002 - CERTIFICATE OF QUALITY - UL/FM LISTED

Our quality fittings are made with care and attention to detail. With better molds we can reduce parting lines and rough edges resulting in better fluid flow. By using a low temperature galvanizing process the coating is more durable which means a longer lasting fitting. All Fittings are 100% Pressure Tested to 300# Class.

(Every fitting is subjected to an underwater fitness test to ensure the highest quality)

SPECIFICATIONS

- MATERIAL: ASTM A 197 - Cuppla Malleable Iron, ASTM A 153 - Hot dipped galvanizing • Coating ASTM A164 LS
- DIMENSIONS: ANSI B 16.3 - Malleable Iron threaded fittings, ANSI B 16.14 - Ferrous Pipe Plugs, Bushings etc..., ANSI B 16.39 - Malleable Iron threaded pipe unions.
- THREADS: ANSI B 2.1 or BS 21 ASME B1.20.1 • RoHS Compliant • Tapered Threads
- Pressure - Saturated steam 150 PSI @350°F: Max pressure 300 PSI - 150°F
- Temperature range -20 - 350°F

MALLEABLE IRON - ANSI B

F°	16.3			
	Class	Sizes	Sizes	Sizes
	150 PSIG	1/4-1 300#	1 1/4-2 300#	2 1/4-3 300#
-200-	300	2000	1500	1000
150				
200	265	1785	1350	910
250	225	1575	1200	825
300	185	1360	1050	735
366*	150	1150	900	650

*Permissible for service temperature up to 366°F, reflecting the temperature of saturated steam at 150 psig.

SEE MIDLANDINDUSTRIES.COM FOR MORE SIZES AND CONFIGURATIONS

STEEL FITTINGS



- 1010 Carbon Steel, 3/4 taper threads (see hydraulic section for 7/8 taper threads.)
- Finish or coating • Black Dipped in rust resistant
- Galvanized, Zinc Plated (Inside and Out)

300lb MALLEABLE FITTINGS



Max. pressure: 300 psi WOG @ 72°F; 150 psi WOG saturated steam

- Meet ANSI/ ASME B1.20.1 standards
- Black meet ASTM 197 standards

BULL PLUGS AND SWAGES



FLANGES

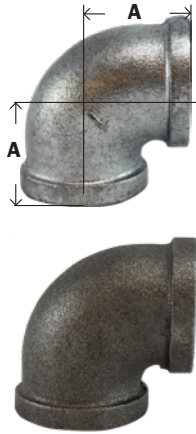


WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

BLACK AND GALVANIZED IRON #150

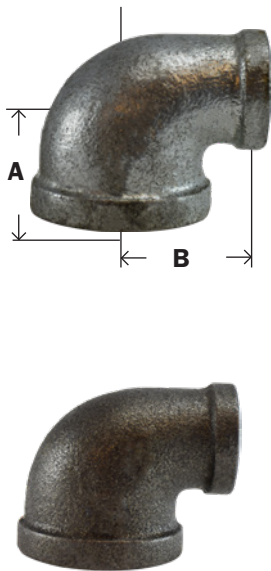
NIPPLES AND FITTINGS

ELBOWS 90°



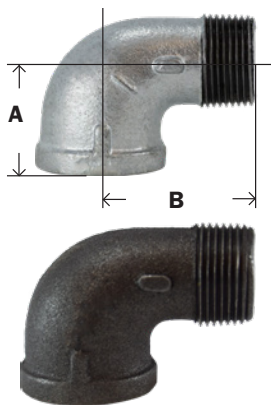
Part # Galvanized		Size	A	Box/Case	Approx. Wt. Lbs.	Part # Black	
64100	----	1/8"	0.69	50/600	0.07	65100	----
64101	----	1/4"	0.81	35/420	0.10	65101	----
64102	----	3/8"	0.95	90/360	0.16	65102	----
64103	----	1/2"	1.12	50/200	0.23	65103	----
64104	----	3/4"	1.31	35/105	0.35	65104	----
64105	----	1"	1.50	20/60	0.57	65105	----
64106	----	1-1/4"	1.75	20/40	0.86	65106	----
64107	----	1-1/2"	1.94	15/30	1.31	65107	----
64108	----	2"	2.25	8/16	1.79	65108	----
64109	----	2-1/2"	2.70	6/12	3.35	65109	----
64110	----	3"	3.08	4/8	5	65110	----
64112	----	4"	3.79	1/2	9.02	65112	----
64114	----	6"	5.13	1/1	23.68	65114	----
		8"			41.1	65115	----

REDUCING ELBOWS 90°



PART # GALVANIZED		SIZE	A	B	BOX/CASE	AP-PROX. WT. LBS.	PART # BLACK	
64122	----	3/8" x 1/4"	0.88	0.90	90/360	0.16	65122	----
64123	----	1/2" x 1/4"	0.97	0.98	60/240	0.21	65123	----
64124	----	1/2" x 3/8"	1.04	1.03	60/240	0.24	65124	----
64126	----	3/4" x 3/8"	1.12	1.13	40/160	0.31	65126	----
64127	----	3/4" x 1/2"	1.20	1.22	40/160	0.44	65127	----
64130	----	1" x 1/2"	1.26	1.40	25/100	0.52	65130	----
64131	----	1" x 3/4"	1.37	1.45	50/100	0.58	65131	----
64133	----	1-1/4" x 3/4"	1.45	1.62	15/120	0.79	65133	----
64134	----	1-1/4" x 1"	1.58	1.67	10/40	0.80	65134	----
64136	----	1-1/2" x 3/4"	1.52	1.75	10/40	0.88	65136	----
64137	----	1-1/2" x 1"	1.65	1.80	10/40	1.07	65137	----
64138	----	1-1/2" x 1-1/4"	1.82	1.88	15/30	1.12	65138	----
		2" x 3/4"					65139	----
64140	----	2" x 1"	1.73	2.02	14/28	1.41	65140	----
64141	----	2" x 1-1/4"	1.90	2.10	10/20	1.53	65141	----
64142	----	2" x 1-1/2"	2.02	2.16	10/20	1.65	65142	----
64145	----	2-1/2" x 1-1/2"	2.16	2.51	6/12	2.97	65145	----
64146	----	2-1/2" x 2"	2.39	2.60	6/12	3.18	65146	----
64148	----	3" x 1-1/2"	2.28	2.83	6/18	4.54	65148	----

90° STREET ELBOWS



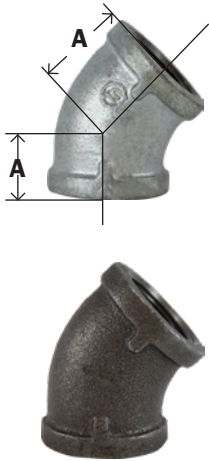
PART # GALVANIZED		SIZE	A	B	BOX/CASE	APPROX. WT. LBS.	PART # BLACK	
64160	----	1/8"	0.69	1.00	60/720	.06	65160	----
64161	----	1/4"	0.80	1.17	35/420	.10	65161	----
64162	----	3/8"	0.95	1.48	40/240	.15	65162	----
64163	----	1/2"	1.10	1.59	60/180	.22	65163	----
64164	----	3/4"	1.28	1.85	35/105	.39	65164	----
64165	----	1"	1.47	2.10	35/105	.60	65165	----
64166	----	1-1/4"	1.75	2.57	25/50	.95	65166	----
64167	----	1-1/2"	1.90	2.63	9/27	1.37	65167	----
64168	----	2"	2.21	3.19	8/16	2.25	65168	----
64169	----	2-1/2"	2.65	3.78	5/10	3.32	65169	----
64170	----	3"	3.02	4.42	4/8	5.27	65170	----
64171	----	4"	3.72	5.57	2/4	8.94	65171	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

BLACK AND GALVANIZED IRON #150

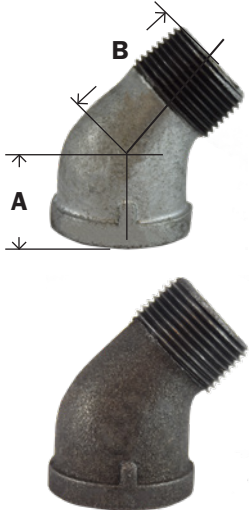
NIPPLES AND FITTINGS

ELBOWS 45°



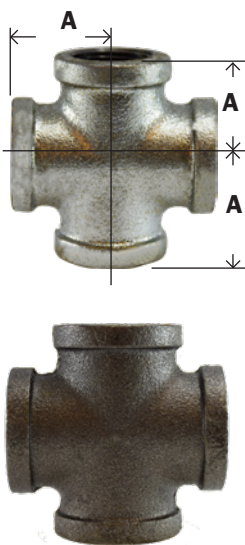
PART # GALVANIZED		SIZE	A	BOX/ CASE	APPROX. WT. LBS.	PART # BLACK	
64180	----	1/8"	0.63	50/600	.07	65180	----
64181	----	1/4"	0.73	30/360	.10	65181	----
64182	----	3/8"	0.80	75/300	.14	65182	----
64183	----	1/2"	0.88	50/200	.21	65183	----
64184	----	3/4"	0.98	40/120	.33	65184	----
64185	----	1"	1.12	20/60	.50	65185	----
64186	----	1-1/4"	1.29	20/40	.74	65186	----
64187	----	1-1/2"	1.43	10/30	1.01	65187	----
64188	----	2"	1.68	12/24	1.53	65188	----
64189	----	2-1/2"	1.95	9/18	2.78	65189	----
64190	----	3"	2.17	1/10	4.49	65190	----
64191	----	4"	2.61	2/4	7.44	65191	----
64192	----	6"	3.46	1/1	18.63	65192	----
		8"			26.40	65194	----

45° STREET ELBOWS



PART # GALVANIZED		SIZE	A	B	BOX/ CASE	APPROX. WT. LBS.	PART # BLACK	
64200	----	1/8"	0.63	0.83	70/840	.05	65200	----
64201	----	1/4"	0.73	0.94	40/480	.09	65201	----
64202	----	3/8"	0.80	1.03	100/400	.14	65202	----
64203	----	1/2"	0.86	1.30	75/225	.19	65203	----
64204	----	3/4"	0.96	1.48	40/120	.28	65204	----
64205	----	1"	1.10	1.69	25/75	.48	65205	----
64206	----	1-1/4"	1.26	1.87	10/40	.71	65206	----
64207	----	1-1/2"	1.40	2.05	10/30	1.02	65207	----
64208	----	2"	1.65	2.38	12/24	1.68	65208	----
64209	----	2-1/2"	1.95	2.72	6/12	2.69	65209	----
64210	----	3"	2.17	3.16	3/6	4.61	65210	----
64211	----	4"	2.61	3.90	2/4	7.74	65211	----

CROSSES



PART # GALVANIZED		SIZE	A	BOX/ CASE	APPROX. WT. LBS.	PART # BLACK	
64390	----	1/8"	0.65	50/600	.14	65390	----
64391	----	1/4"	0.80	60/240	.17	65391	----
64392	----	3/8"	0.95	50/150	.26	65392	----
64393	----	1/2"	1.12	30/90	.42	65393	----
64394	----	3/4"	1.31	20/60	.64	65394	----
64395	----	1"	1.50	15/30	.98	65395	----
64396	----	1-1/4"	1.75	10/20	1.45	65396	----
64397	----	1-1/2"	1.94	8/16	1.90	65397	----
64398	----	2"	2.25	5/10	2.96	65398	----
64399	----	2-1/2"	2.71	4/8	5.49	65399	----
64400	----	3"	3.06	2/4	7.71	65400	----
		4"		1/1	14.77	65401	----

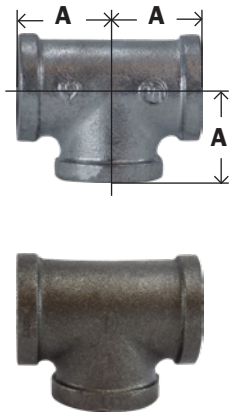
WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



BLACK AND GALVANIZED IRON #150

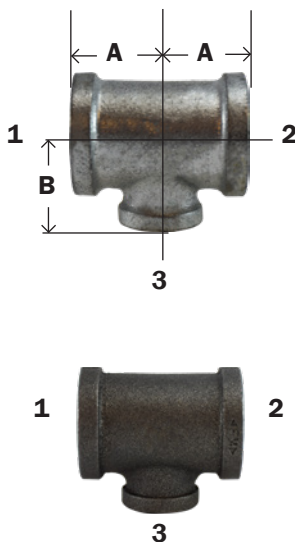
NIPPLES AND FITTINGS

TEES



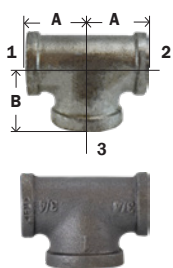
PART # GALVANIZED		SIZE	A	BOX/CASE	APPROX. WT. LBS.	PART # BLACK	
64250	----	1/8"	0.69	120/480	.11	65250	----
64251	----	1/4"	0.81	75/300	.15	65251	----
64252	----	3/8"	0.95	45/180	.22	65252	----
64253	----	1/2"	1.12	40/120	.36	65253	----
64254	----	3/4"	1.31	35/70	.48	65254	----
64255	----	1"	1.50	20/40	.83	65255	----
64256	----	1-1/4"	1.75	14/28	1.29	65256	----
64257	----	1-1/2"	1.94	12/24	1.66	65257	----
64258	----	2"	2.26	8/16	2.50	65258	----
64259	----	2-1/2"	2.70	4/8	4.45	65259	----
64260	----	3"	3.08	1/6	6.72	65260	----
64261	----	4"	3.79	1/2	11.31	65261	----
64262	----	6"	5.13	1/1	30.75	65262	----
		8"			37.85	65264	----

REDUCING TEES (SAME SIZE ON RUN, REDUCING ON BRANCH)



PART # GALVANIZED		SIZE (1&2) X 3	A	B	BOX/CASE	APPROX. WT. LBS.	PART # BLACK	
64273	----	3/8" x 1/4"	0.81	0.90	25/300	.18	65273	----
64276	----	1/2" x 1/4"	0.97	0.98	40/160	.24	65276	----
64279	----	1/2" x 3/8"	1.04	1.03	40/160	.35	65279	----
64282	----	3/4" x 1/4"	1.05	1.08	25/100	.43	65282	----
64283	----	3/4" x 3/8"	1.12	1.13	25/100	.39	65283	----
64286	----	3/4" x 1/2"	1.20	1.18	20/80	.49	65286	----
64268	----	1" x 1/4"	1.11	1.22	20/80	.51	65268	----
64269	----	1" x 3/8"	1.18	1.27	15/60	.55	65269	----
64291	----	1" x 1/2"	1.26	1.40	15/60	.63	65291	----
64298	----	1" x 3/4"	1.37	1.45	12/48	.71	65298	----
64301	----	1-1/4" x 1/2"	1.34	1.45	20/40	.91	65301	----
64303	----	1-1/4" x 3/4"	1.45	1.62	20/40	.99	65303	----
64306	----	1-1/4" x 1"	1.58	1.66	20/40	1.07	65306	----
64721	----	1-1/2" x 1/2"				1.12	65721	----
64316	----	1-1/2" x 3/4"	1.41	1.75	15/30	1.23	65316	----
64318	----	1-1/2" x 1"	1.65	1.88	10/30	1.33	65318	----
64322	----	1-1/2" x 1-1/4"	1.65	1.88	12/24	1.52	65322	----
64327	----	2" x 1/2"	1.49	1.88	10/20	1.64	65327	----
64328	----	2" x 3/4"	1.60	1.97	10/20	1.71	65328	----
64330	----	2" x 1"	1.73	2.02	10/20	1.88	65330	----
64334	----	2" x 1-1/4"	1.86	2.06	8/16	2.03	65334	----
64336	----	2" x 1-1/2"	1.98	2.12	8/16	2.22	65336	----
		2-1/2" x 1"				2.85	65342	----
64343	----	2-1/2" x 1-1/2"	2.16	2.51	5/10	2.97	65343	----
64729	----	3" x 1"	2.00	2.00	3/6	4.15		
		3" x 1-1/2"				5.19	65359	----
64351	----	3" x 2"	2.52	2.89	3/6	5.35	65351	----

BULLHEAD TEES



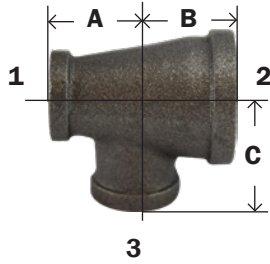
PART # GALVANIZED		SIZE (1&2) X 3	A	B	BOX/CASE	APPROX. WT. LBS.	PART # BLACK	
64280	----	1/2" x 3/4"	1.22	1.20	30/120	.4	65280	----
64733	----	1/2" x 1"	1.36	1.26	25/100	.50	65733	----
64289	----	3/4" x 1"	1.45	1.37	20/120	.60	65289	----
64299	----	1" x 1-1/4"	1.67	1.58	15/30	.96	65299	----
64300	----	1" x 1-1/2"	1.80	1.65	9/36	1.11	65300	----
64317	----	1-1/4" x 1-1/2"	1.88	1.82	12/24	1.07	65317	----
64319	----	1-1/2" x 2"	2.12	1.98	8/32	2.10	65-319	----
65335		2" x 1 1/4" x 2"						

BLACK AND GALVANIZED IRON #150

NIPPLES AND FITTINGS

NIPPLES & FITTINGS

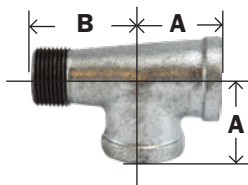
REDUCING TEES REDUCING ON RUN



PART #	SIZE 1 X 2 X 3	A	B	C	BOX/ CASE	APPROX. WT. LBS.		PART # BLACK
64287	3/4" x 1/2" x 1/2"	1.18	1.18	1.20	25/100	0.39	----	65287
64288	3/4" x 1/2" x 3/4"	1.28	1.20	1.28	20/80	0.49	----	65288
	1" x 1/2" x 1/2"	1.31	1.22	1.31	20/80	0.51	----	65292
	1" x 1/2" x 3/4"	1.22	1.37	1.45	20/80	0.53	----	65293
64294	1" x 1/2" x 1"	1.40	1.50	1.50	15/60	0.54	----	65294
	1" x 3/4" x 1/2"	1.20	1.26	1.40	20/80	0.58	----	65295
64296	1" x 3/4" x 3/4"	1.34	1.28	1.42	15/60	0.63	----	65296
64297	1" x 3/4" x 1"	1.45	1.50	1.50	15/60	0.62	----	65297
	1-1/4" x 1/2" x 1/2"							65304
	1-1/4" x 1/2" x 1"							65311
	1-1/4" x 1/2" x 1 1/4"							65314
	1-1/4" x 3/4" x 3/4"	1.31	1.45	1.64	10/40	0.66	----	65347
	1-1/4" x 3/4" x 1"							65348
	1-1/4" x 3/4" x 1-1/4"	1.62	1.75	1.75	10/40	1.14	----	65305
64309	1-1/4" x 1" x 1"	1.55	1.47	1.63	20/40	1.00	----	65309
	1-1/4" x 3/4" x 1/2"	1.31	1.45	1.64	20/40	1.05	----	65346
	1-1/4" x 1" x 1/2"	1.26	1.34	1.53	20/40	1.10	----	65349
	1-1/4" x 1" x 3/4"						----	65350
	1-1/4" x 1" x 1-1/4"	1.30	1.36	1.44	15/30	1.21	----	65310
	1-1/2" x 3/4" x 1-1/2"							65281
64372	1-1/2" x 1" x 1"	1.50	1.65	1.78	15/30	1.28	----	65372
	1-1/2" x 1" x 1-1/2"							65323
	1-1/2" x 1-1/4" x 3/4"	1.43	1.52	1.25	15/30	1.30	----	65375
	1-1/2" x 1 1/4" x 1"							65325
	1-1/2" x 1-1/4" x 1-1/4"	1.75	1.82	1.88	15/30	1.35	----	65377
	2" x 3/4" x 2"						----	65267
	2" x 1" x 2"							65332
	2" x 1-1/4" x 1 1/4"							65302
	2" x 1-1/4" x 2"							65335
	2" x 1-1/2" x 1-1/4"	1.82	1.90	2.10	10/30	1.21	----	65312
	2" x 1-1/2" x 1-1/2"	1.94	2.02	2.16	10/30	1.79	----	65313

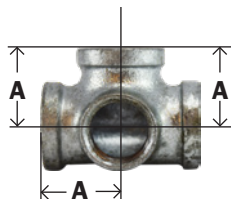
• SEE MIDLANDINDUSTRIES.COM FOR GALVANIZED REDUCING TEE & MORE BLACK SIZES

MALLEABLE SERVICE TEE (STREET TEE)



PART # GALVANIZED		SIZE	A	B	BOX/ CASE	APPROX. WT. LBS.	PART # BLACK	
64363	----	1/2"	1.12	1.62	40/12	0.31	65363	----
64364	----	3/4"	1.31	1.89	25/75	0.49	65364	----

SIDE OUTLET TEES



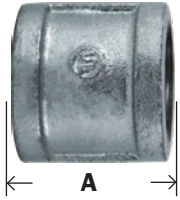
PART # GALVANIZED		SIZE	A	BOX/ CASE	APPROX. WT. LBS.	PART # BLACK	
64383	----	1/2"	1.12	25/100	.39	65383	----
64384	----	3/4"	1.31	15/60	.58	65384	----
64385	----	1"	1.50	20/40	.88	65385	----
64386	----	1-1/4"	1.75	12/24	1.32	65386	----
		1-1/2"	1.97	1/1	1.56	65387	----
		2"	2.29	1/1	1.81	65388	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

BLACK AND GALVANIZED IRON #150

NIPPLES AND FITTINGS

COUPLINGS



PART # GALVANIZED		SIZE	A	BOX/ CASE	APPROX. WT. LBS.	PART # BLACK	
64410	----	1/8"	0.96	70/840	.07	65410	----
64411	----	1/4"	1.06	40/480	.09	65411	----
64412	----	3/8"	1.16	40/480	.13	65412	----
64413	----	1/2"	1.34	60/240	.19	65413	----
64414	----	3/4"	1.52	50/150	.28	65414	----
64415	----	1"	1.67	25/100	.45	65415	----
64416	----	1-1/4"	1.93	16/64	.66	65416	----
64417	----	1-1/2"	2.15	18/36	.84	65417	----
64418	----	2"	2.54	12/24	1.39	65418	----
64419	----	2-1/2"	2.88	8/16	2.42	65419	----
64420	----	3"	3.18	1/12	3.49	65420	----
64421	----	4"	3.69	3/6	5.81	65421	----
64422	----	6"	4.23	1/2	28.62	65422	----

REDUCING COUPLINGS



SEE MIDLANDINDUSTRIES.COM
FOR MORE SIZES

PART # GALVANIZED		SIZE	A	BOX/ CASE	APPROX. WT. LBS.	PART # BLACK	
64430	----	1/4" x 1/8"	1.00	50/600	.07	65430	----
64431	----	3/8" x 1/8"	1.13	35/420	.09	65431	----
64432	----	3/8" x 1/4"	1.13	30/360	.11	65432	----
64433	----	1/2" x 1/8"	1.25	75/300	.13	65433	----
64434	----	1/2" x 1/4"	1.25	75/300	.11	65434	----
64435	----	1/2" x 3/8"	1.25	60/240	.15	65435	----
64439	----	3/4" x 1/8"	1.44	60/240	.18	65439	----
64436	----	3/4" x 1/4"	1.44	45/18	.19	65436	----
64437	----	3/4" x 3/8"	1.44	45/18	.21	65437	----
64438	----	3/4" x 1/2"	1.44	60/180	.25	65438	----
64459	----	1" x 1/4"	1.69	45/135	.34	65459	----
64440	----	1" x 3/8"	1.69	30/120	.35	65440	----
64441	----	1" x 1/2"	1.69	30/120	.36	65441	----
64442	----	1" x 3/4"	1.69	25/100	.39	65442	----
64460	----	1-1/4" x 3/8"	2.06	25/75	.55	65460	----
64444	----	1-1/4" x 1/2"	2.06	25/75	.53	65444	----
64445	----	1-1/4" x 3/4"	2.06	25/75	.57	65445	----
64446	----	1-1/4" x 1"	2.06	15/60	.61	65446	----
64443	----	1-1/2" x 3/8"	2.31	20/60	.71	65443	----
64447	----	1-1/2" x 1/2"	2.31	20/60	.69	65447	----
64448	----	1-1/2" x 3/4"	2.31	15/60	.71	65448	----
64449	----	1-1/2" x 1"	2.31	25/50	.78	65449	----
64450	----	1-1/2" x 1-1/4"	2.31	12/48	.87	65450	----
64458	----	2" x 1/2"	2.81	12/36	1.14	65458	----
64451	----	2" x 3/4"	2.81	12/36	1.14	65451	----
64452	----	2" x 1"	2.81	12/36	1.21	65452	----
64453	----	2" x 1-1/4"	2.81	9/27	1.19	65453	----
64454	----	2" x 1-1/2"	2.81	9/27	1.38	65454	----
		2 1/2" x 1"				65455	
		2 1/2" x 1 1/4"				65429	
64461	----	2-1/2" x 1-1/2"	3.25	20/40	2.07	65461	----
64462	----	2-1/2" x 2"	3.25	7/14	2.23	65462	----
		3" x 1"				65466	
		3" x 1-1/4"				65467	
64486	----	3" x 1-1/2"	3.69	6/12	3.23	65486	----
64456	----	3" x 2"	3.69	6/12	3.30	65456	----
64463	----	3" x 2-1/2"	3.69	5/10	3.55	65463	----
		4" x 1 1/2"				65468	
64464	----	4" x 2"	4.38	3/6	5.55	65464	----
64465	----	4" x 2-1/2"	4.38	3/6	5.90	65465	----
64457	----	4" x 3"	4.38	3/6	6.05	65457	----
		6" x 4"	4.24	1/2	10.86	65491	----

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BLACK AND GALVANIZED IRON #150

NIPPLES AND FITTINGS

HEX BUSHING



Hex



SEE MIDLANDINDUSTRIES.COM
FOR MORE SIZES



* INSIDE HEX

NOTE: ADD DT TO THE
PART# FOR A DOUBLE-
TAPPED BUSHING

PART #		SIZE	A	HEX	BOX/ CASE	APPROX. WT. LBS.	PART #	
GALVANIZED		M X F					BLACK	
64500	----	*1/4" x 1/8"	0.79	0.67	1/25	.03	65500	----
64501	----	*3/8" x 1/8"	0.79	0.75	1/25	.06	65501	----
64502	----	*3/8" x 1/4"	0.79	0.75	1/25	.05	65502	----
64503	----	1/2" x 1/8"	0.84	1.03	150/600	.09	65503	----
64504	----	1/2" x 1/4"				.08	65504	----
64505	----	1/2" x 3/8"	0.75	1.03	150/600	.07	65505	----
64506	----	3/4" x 1/8"	0.85	1.15	75/300	.14	65506	----
64507	----	3/4" x 1/4"	0.85	1.15	75/300	.13	65507	----
64508	----	3/4" x 3/8"	0.85	1.15	75/300	.12	65508	----
64509	----	3/4" x 1/2"	0.93	1.15	75/300	.10	65509	----
		1" x 1/8"					65557	
64510*	----	1" x 1/4"	1.13	1.12	50/200	.20	65510*	----
64511*	----	1" x 3/8"	1.13	1.12	50/200	.18	65511*	----
64512	----	1" x 1/2"	1.10	1.42	50/200	.21	65512	----
64513	----	1" x 3/4"	1.10	1.42	50/200	.17	65513	----
64514*	----	1-1/4" x 1/4"	1.24	1.12	30/120	.29	65514*	----
64515*	----	1-1/4" x 3/8"	1.24	1.12	30/120	.29	65515*	----
64516*	----	1-1/4" x 1/2"	1.24	1.24	30/120	.31	65516*	----
64517	----	1-1/4" x 3/4"	1.08	1.76	30/120	.35	65517	----
64518	----	1-1/4" x 1"	1.08	1.76	30/120	.29	65518	----
64519*	----	1-1/2" x 1/4"	1.30	1.12	25/75	.40	65519*	----
64520*	----	1-1/2" x 3/8"	1.30	1.12	25/75	.38	65520*	----
64521*	----	1-1/2" x 1/2"	1.30	1.34	25/75	.38	65521*	----
64522*	----	1-1/2" x 3/4"	1.30	1.44	25/75	.40	65522*	----
64523	----	1-1/2" x 1"	1.23	2.00	25/75	.45	65523	----
64524	----	1-1/2" x 1-1/4"	1.23	2.00	25/75	.34	65524	----
64526	----	2" x 1/4"	1.29	1.12	20/60	.57	65526	----
64525*	----	2" x 3/8"	1.28	1.12	20/60	.57	65525*	----
64527*	----	2" x 1/2"	1.39	1.34	20/60	.57	65527*	----
64528*	----	2" x 3/4"	1.39	1.63	20/60	.63	65528*	----
64529*	----	2" x 1"	1.39	1.77	20/60	.66	65529*	----
64530	----	2" x 1-1/4"	1.50	2.48	20/60	.74	65530	----
64531	----	2" x 1-1/2"	1.50	2.48	20/60	.61	65531	----
64546*	----	2-1/2" x 1/2"	1.51	1.34	15/30	.97	65546*	----
64547*	----	2-1/2" x 3/4"	1.51	1.63	15/30	.91	65547*	----
64532*	----	2-1/2" x 1"	1.51	1.95	15/30	.97	65532*	----
64533*	----	2-1/2" x 1-1/4"	1.51	2.39	15/30	1.03	65533*	----
64534	----	2-1/2" x 1-1/2"	1.51	2.98	15/30	1.16	65534	----
64535	----	2-1/2" x 2"	1.54	2.98	15/30	1.01	65535	----
64550	----	3" x 1"	1.61	1.95	12/24	1.41	65550	----
64549*	----	3" x 1-1/4"	1.61	2.39	12/24	1.42	65549*	----
64537*	----	3" x 1-1/2"	1.61	2.68	12/24	1.51	65537*	----
64538	----	3" x 2"	1.61	3.86	12/24	1.71	65538	----
64539	----	3" x 2-1/2"	1.61	3.86	12/24	1.68	65539	----
		3-1/2" x 3"	1.86	4.20	5/10	2.17	65555	----
64551	----	4" x 3/4"	2.15	4.90	5/10	3.88	65551	----
64553*	----	4" x 1"	2.00	4.75	5/10	3.79	65553*	----
64552	----	4" x 1-1/4"	1.82	2.39	5/10	2.39	65552	----
64540	----	4" x 1-1/2"	1.82	2.68	5/10	2.39	65540	----
64541*	----	4" x 2"	1.82	3.31	5/10	2.52	65541*	----
64542*	----	4" x 2-1/2"	2.06	3.87	5/10	2.87	65542*	----
64543	----	4" x 3"	2.17	4.96	5/10	2.95	65543	----
		5" x 4"	2.16	5.34	2/4	6.80	65544	----
64544		6" x 2"					65558	
64549		6" x 3"					65559	
64545*	----	6" x 4"	2.33	5.79	2/4	7.11	65545*	----
		6" x 5"			2/4		65560	

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BLACK AND GALVANIZED IRON #150

NIPPLES AND FITTINGS

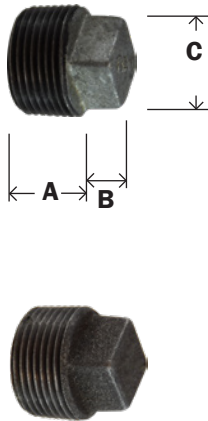
UNIONS

• Brass Seat



PART # GALVANIZED		SIZE	A	BOX/ CASE	APPROX. WT. LBS.	PART # BLACK	
64600	----	1/8"	1.26	60/240	.17	65600	----
64601	----	1/4"	1.44	20/240	.25	65601	----
64602	----	3/8"	1.61	40/160	.37	65602	----
64603	----	1/2"	1.72	50/100	.52	65603	----
64604	----	3/4"	1.94	35/70	.78	65604	----
64605	----	1"	2.06	20/40	1.18	65605	----
64606	----	1-1/4"	2.26	15/30	1.64	65606	----
64607	----	1-1/2"	2.41	10/20	2.08	65607	----
64608	----	2"	2.75	6/12	3.24	65608	----
64609	----	2-1/2"	3.22	4/8	5.31	65609	----
64610	----	3"	3.50	4/8	6.94	65610	----
64611	----	4"	3.85	2/4	12.02	65611	----

SQUARE HEAD PLUGS • Cored



PART # GALVANIZED		SIZE	A	B	C	BOX/ CASE	APPROX. WT. LBS.	PART # BLACK	
		*1/8"	0.41	0.23	0.30	1/25	.02	65650	----
64651	----	*1/4"	0.48	0.28	0.38	1/25	.03	65651	----
64652	----	*3/8"	0.53	0.31	0.43	1/25	.04	65652	----
64653	----	1/2"	0.58	0.38	0.56	50/600	.08	65653	----
64654	----	3/4"	0.65	0.44	0.63	30/360	.13	65654	----
64655	----	1"	0.75	0.50	0.82	20/240	.22	65655	----
64656	----	1-1/4"	0.82	0.56	0.94	40/120	.33	65656	----
64657	----	1-1/2"	0.85	0.62	1.13	30/90	.41	65657	----
64658	----	2"	0.91	0.68	1.31	20/60	.68	65658	----
64659	----	2-1/2"	1.26	0.74	1.50	16/64	.89	65659	----
64660	----	3"	1.16	0.80	1.69	16/32	1.68	65660	----
64661	----	4"	1.22	1.00	2.28	6/12	3.02	65661	----
		6"	1.85	1.13	5.97	5/10	11.41	65662	----
		8"				1/1		65664	----

CAPS



PART # GALVANIZED		SIZE	A	BOX/ CASE	APPROX. WT. LBS.	PART # BLACK	
64470	----	1/8"	0.55	1/25	.03	65470	----
64471	----	1/4"	0.62	80/960	.07	65471	----
64472	----	3/8"	0.74	60/720	.08	65472	----
64473	----	1/2"	0.87	75/300	.13	65473	----
64474	----	3/4"	0.97	40/160	.18	65474	----
64475	----	1"	1.16	25/100	.30	65475	----
64476	----	1-1/4"	1.28	20/80	.47	65476	----
64477	----	1-1/2"	1.33	18/54	.66	65477	----
64478	----	2"	1.45	12/36	.99	65478	----
64479	----	2-1/2"	1.70	20/40	1.58	65479	----
64480	----	3"	1.80	12/24	2.51	65480	----
64481	----	4"	2.08	6/12	4.09	65481	----
64482	----	6"	2.55	2/4	5.18	65482	----

* Use steel fittings for smaller sizes. See Steel Fittings for Galvanized and Black Steel Fittings.

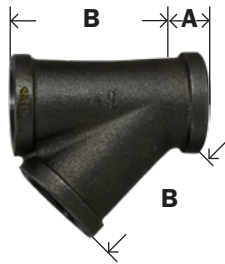
WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

NIPPLES & FITTINGS

BLACK AND GALVANIZED IRON #150

NIPPLES AND FITTINGS

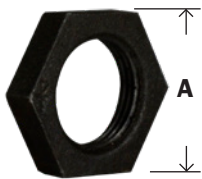
LATERAL Ys



PART #	SIZE	A	B	CASE	WEIGHT		PART #
64963	1/2	2.32	1.71	120	.35	----	65963
64964	3/4	2.77	2.05	60	.58	----	65964
	1	3.28	2.42	40	.97	----	65965
	1-1/4	3.94	2.92	24	1.44	----	65966
	1-1/2	4.38	3.28	16	1.93	----	65967
64968	2	5.41	3.98	8	3.12	----	65968
	2-1/2	6.25	4.73	4	5.61	----	65969
	3	7.26	5.55	2	8.36	----	65970
	4	8.98	6.97	2	14.88	----	65971

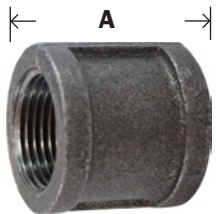
LOCKNUTS

*Straight Thread



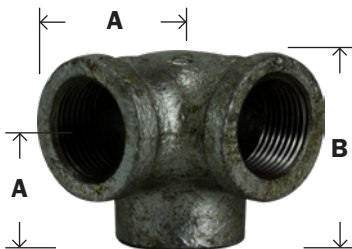
PART #		SIZE	A	THICK- NESS	BOX/ CASE	WEIGHT	PART #	
GALV			HEX				BLACK	
64703	----	1/2		0.31	150/600	0.08	65703	----
64704	----	3/4		0.34	90/360	0.13	65704	----
64705	----	1		0.38	60/240	0.19	65705	----
64706	----	1-1/4		0.42	45/180	0.27	65706	----
64707	----	1-1/2		0.47	45/135	0.47	65707	----
64708	----	2		0.53	25/75	0.56	65708	----

RIGHT & LEFT COUPLINGS



PART #		SIZE	A	CASE	WEIGHT	PART #	
GALV						BLACK	
64573	----	1/2	1.34	240	0.19	65573	----
64574	----	3/4	1.52	150	0.28	65574	----
64575	----	1	1.67	100	0.45	65575	----
64576	----	1-1/4	1.93	64	0.66	65576	----
64577	----	1-1/2	2.15	36	0.84	65577	----
64578	----	2	2.53	24	1.39	65578	----

SIDE OUTLET ELBOW



PART #		SIZE	A	B	CASE	PART #	
GALV						BLACK	
64583	----	1/2	1.10		135	65583	----
64584	----	3/4	1.30		80	65584	----
64585	----	1	1.50		40	65585	----
64586	----	1-1/4	1.77		30	65586	----
64587	----	1-1/2	1.97		24	65587	----
64588	----	2	2.29		10	65588	----



HELP US HELP YOU! GO ONLINE TO UPDATE YOUR CUSTOMER PROFILE SO THAT WE CAN UPDATE ALL THE APPROPRIATE DEPARTMENTS AND PERSONNEL AT YOUR COMPANY ON NEW CATALOGS, PRICING UPDATES, NEW MARKETING TOOLS, AND OTHER IMPORTANT INFORMATION. THANK YOU!

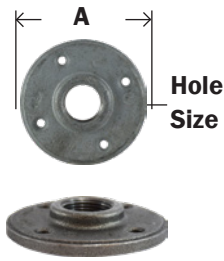
WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



BLACK AND GALVANIZED IRON #150

NIPPLES AND FITTINGS

FLOOR FLANGES



PART #	GALVANIZED	SIZE	A	THICKNESS	HOLE SIZE	BOX/CASE	APPROX. WT. LBS.	PART # BLACK
		1/4"						65691
		3/8"						65690
64692	----	1/2"	3.50	0.50	0.25	25/100	.63	65692 ----
64693	----	3/4"	3.50	0.63	0.25	15/45	.73	65693 ----
64694	----	1"	4.00	0.69	0.25	15/45	1.02	65694 ----
64695	----	1-1/4"	4.00	0.75	0.25	15/30	1.00	65695 ----
64696	----	1-1/2"	4.50	0.87	0.31	8/24	1.37	65696 ----

EXTENSION FIP X MIP



PART #	SIZE	APPROX. WT. LBS.	BOX/CASE
65621	1/2"	0.12	75 / 300
65622	3/4"	0.23	40 / 160

MUSHROOM VENT CAP



PART #	SIZE
21174	3/4"
21175	1"
21176	1-1/2"
21177	1-1/2"
21178	2"
21179	3"
21180	4"

More sizes available - see website

Cast Iron Galvanized Threaded Cap. 30 Mesh screen. Protects against driving rain, snow, sleet and insects.

DOUBLE TAPPED BUSHINGS



PART #	SIZE
65518DT	1-1/4" x 1"
65522DT	1-1/2" x 3/4"
65523DT	1-1/2" x 1"
65527DT	2" x 1/2"
65528DT	2" x 3/4"
65529DT	2" x 1"
65530DT	2" x 1 1/4"
65531DT	2" x 1-1/2"
65541DT	4" x 2"

SEE MIDLANDINDUSTRIES.COM FOR:



DUPLEX TANK BUSHINGS



WASTE NUT

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NIPPLES & FITTINGS

STEEL FITTINGS

NIPPLES AND FITTINGS

STEEL FITTINGS

This will certify that the material was manufactured in accordance with ASME B16.14 - 1991 Standards. All Threads are Dryseal (NPTF) - 3/4 inch taper per foot and are made of Carbon Steel 12L14. Pressure rating: 150/300 PSI

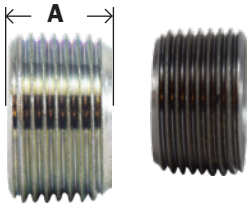
- Clear Zinc plating specifications ASTM B633-07
- Federal Specification QQ-Z-325 (Zinc Plate)
- Type III with supplemental clear Trivalent chromate
- .00015" Zinc (Minimum)
- ROHS Compliant
- Lead Free

HEX BUSHINGS



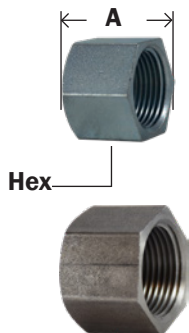
PART # ZINC		SIZE M X F	A	HEX	APPROX. WT. LBS.	PART # BLACK	
66500	----	1/4" x 1/8"	0.63	0.62	0.02	67500	----
66501	----	3/8" x 1/8"	0.66	0.68	0.04	67501	----
66502	----	3/8" x 1/4"	0.66	0.68	0.02	67502	----
66503	----	1/2" x 1/8"	0.80	0.87	0.10	67503	----
66504	----	1/2" x 1/4"	0.80	0.87	0.08	67504	----
66505	----	1/2" x 3/8"	0.80	0.87	0.06	67505	----
66506	----	3/4" x 1/8"	0.94	1.06	0.18	67506	----
66507	----	3/4" x 1/4"	0.94	1.06	0.14	67507	----
66508	----	3/4" x 3/8"	0.94	1.06	0.14	67508	----
66509	----	3/4" x 1/2"	0.94	1.06	0.10	67509	----
66510	----	1" x 1/4"	1.00	1.31	0.16	67510	----
66511	----	1" x 3/8"	1.00	1.31	0.26	67511	----
66512	----	1" x 1/2"	1.00	1.31	0.22	67512	----
66513	----	1" x 3/4"	1.00	1.31	0.14	67513	----

FACE BUSHING



PART # ZINC		SIZE M X F	A	APPROX. WT. LBS.	PART # BLACK	
	----	1/4" x 1/8"	0.44	0.01	67700	----
	----	3/8" x 1/4"	0.48	0.02	67702	----
	----	1/2" x 1/4"	0.56	0.04	67704	----
66705	----	1/2" x 3/8"	0.56	0.04	67705	----
	----	3/4" x 3/8"	0.62	0.10	67708	----
66709	----	3/4" x 1/2"	0.62	0.10	67709	----
	----	1" x 3/4"	0.75	0.16	67713	----

CAPS



PART # ZINC		SIZE NPTF	A	HEX	APPROX. WT. LBS.	PART # BLACK	
66470	----	1/8"	0.53	0.56	0.02	67470	----
66471	----	1/4"	0.63	0.62	0.04	67471	----
66472	----	3/8"	0.69	0.81	0.06	67472	----
66473	----	1/2"	0.87	1.00	0.12	67473	----
66474	----	3/4"	0.97	1.18	0.16	67474	----
66475	----	1"	1.16	1.50	0.30	67475	----
	----	1-1/4"	1.28	2.00	0.68	67476	----
	----	1-1/2"	1.35	2.25	0.83	67477	----

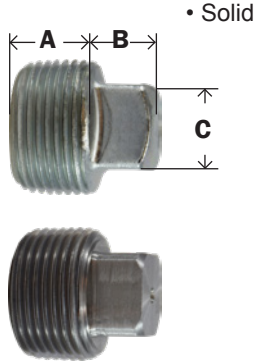
WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer.
 For more information, visit www.P65Warnings.ca.gov

STEEL FITTINGS

NIPPLES AND FITTINGS

This will certify that the plugs are dimensional per SAE J531 MAY 95 Standards. All threads are Dryseal (NPTF) - 3/4" Taper per foot and are made of SAE J403 Low Carbon Steel 1010 Cold headed.

SQUARE HEAD PLUGS



PART #		SIZE	A	B	C	APPROX.	PART #
ZINC		NPTF				WT. LBS.	BLACK
66670	----	1/8"	0.33	0.24	0.28	0.01	67670
66671	----	1/4"	0.45	0.28	0.37	0.02	67671
66672	----	3/8"	0.50	0.31	0.43	0.04	67672
66653	----	1/2"	0.59	0.38	0.55	0.12	67653
66654	----	3/4"	0.63	0.44	0.62	0.18	67654
66655	----	1"	0.75	0.5	0.81	0.34	67655
66656	----	1-1/4"	0.80	0.56	0.93	0.62	67656
66657	----	1-1/2"	0.83	0.62	1.12	0.82	67657
66658	----	2"	0.88	0.68	1.31	1.36	67658

HEX HEAD PLUGS



PART #		SIZE	A	HEX	APPROX.	PART #
ZINC		NPTF			WT. LBS.	BLACK
66770	----	1/8"	0.55	0.43	0.01	67770
66771	----	1/4"	0.74	0.56	0.04	67771
66772	----	3/8"	0.67	0.68	0.06	67772
66773	----	1/2"	0.80	0.70	0.12	67773
66774	----	3/4"	0.94	1.06	0.18	67774
66775	----	1"	1.00	1.31	0.22	67775
66776	----	1-1/4"	1.17	1.75	0.7	67776
66777	----	1-1/2"	1.51	2.00	1.2	67777
66778	----	2"	1.65	2.50	2.06	67778

COUNTERSUNK PLUG - Square Socket



PART #		SIZE	A	SOCKET	APPROX.	PART #
ZINC		NPTF		SIZE	WT. LBS.	BLACK
66630	----	1/8"	0.29	0.19	0.01	67630
66631	----	1/4"	0.45	0.25	0.02	67631
66632	----	3/8"	0.45	0.31	0.04	67632
66633	----	1/2"	0.59	0.38	0.08	67633
66634	----	3/4"	0.60	0.50	0.12	67634
66635	----	1"	0.75	0.50	0.16	67635
66636	----	1-1/4"	0.80	0.75	0.32	67636
66637	----	1-1/2"	0.83	0.75	0.45	67637
66638	----	2"	0.88	0.875	2.06	67638

COUNTERSUNK PLUG - Hex Socket



PART #		SIZE	A	SOCKET	APPROX.	PART #
ZINC		NPTF		SIZE	WT. LBS.	BLACK
66760	----	1/16"	0.29	0.15	0.01	67760
66761	----	1/8"	0.29	0.18	0.01	67761
66762	----	1/4"	0.44	0.25	0.02	67762
66763	----	3/8"	0.44	0.31	0.04	67763
66764	----	1/2"	0.59	0.37	0.08	67764
66765	----	3/4"	0.60	0.56	0.14	67765
66766	----	1"	0.75	0.625	0.22	67766
66767	----	1-1/4"	0.80	0.75	0.37	67767
66768	----	1-1/2"	0.83	1.0	0.45	67768
66769	----	2"	0.88	1.0	0.86	67769

• Slotted and Flush plugs available upon request

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BLACK EXTRA HEAVY 300# IRON

NIPPLES AND FITTINGS

300# MALLEABLE

90° ELBOW



PART #	SIZE	
69101	1/4"	----
69102	3/8"	----
69103	1/2"	----
69104	3/4"	----
69105	1"	----
69106	1-1/4"	----
69107	1-1/2"	----
69108	2"	----

45° ELBOW



PART #	SIZE	
69181	1/4"	----
69182	3/8"	----
69183	1/2"	----
69184	3/4"	----
69185	1"	----
69186	1-1/4"	----
69187	1-1/2"	----
69188	2"	----

90° STREET ELBOW



PART #	SIZE	
69161	1/4"	----
69162	3/8"	----
69163	1/2"	----
69164	3/4"	----
69165	1"	----
69166	1-1/4"	----
69167	1-1/2"	----
69168	2"	----

TEE



PART #	SIZE	
69252	3/8"	----
69253	1/2"	----
69254	3/4"	----
69255	1"	----
69256	1-1/4"	----
69257	1-1/2"	----
69258	2"	----

COUPLING



PART #	SIZE	
69411	1/4"	----
69412	3/8"	----
69413	1/2"	----
69414	3/4"	----
69415	1"	----
69416	1-1/4"	----
69417	1-1/2"	----
69418	2"	----

SEE MIDLANDINDUSTRIES.COM FOR MORE SIZES AND GALVANIZED



SEE WEBSITE TO DOWNLOAD YOUR MOST UPDATED PRICING

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BLACK EXTRA 300# IRON

NIPPLES AND FITTINGS

REDUCING COUPLING



PART #	SIZE	
69432	3/8 x 1/4"	----
69434	1/2 x 1/4"	----
69435	1/2 x 3/8"	----
69438	3/4 x 1/2"	----
69441	1 x 1/2"	----
69442	1 x 3/4"	----

CAP



PART #	SIZE	
69471	1/4"	----
69472	3/8"	----
69473	1/2"	----
69474	3/4"	----
69475	1"	----
69476	1-1/4"	----
69477	1-1/2"	----
69478	2"	----

UNION

- Brass Seat



PART #	SIZE	
69600	1/8"	----
69601	1/4"	----
69602	3/8"	----
69603	1/2"	----
69604	3/4"	----
69605	1"	----
69606	1-1/4"	----
69607	1-1/2"	----
69608	2"	----

STEEL MAGNETIC PLUGS

Steel Magnetic Drain Plugs - NPT Threaded

Magnetic Drain Plugs are similar to standard pipe or straight thread drain plugs with one important difference - a permanent magnet is fastened to the plug body. This magnet attracts and holds abrasive, ferrous metal particles preventing their circulation through the lubrication or hydraulic system.

These abrasive, ferrous metal particles appear in lubricating or hydraulic systems as a result of the following conditions:

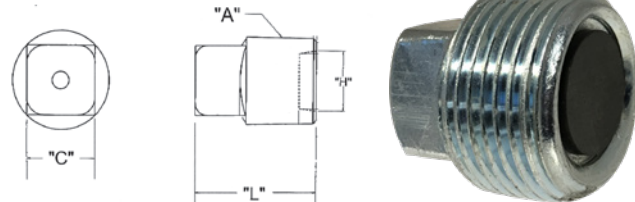
- The constant flaking effect of normal wear of moving parts.
- Particles not removed by flushing operations after boring or machining.
- Chipping due to sub-surface casting flaws.
- Minute component breakdown caused by stress usage.

Magnetic Drain Plugs prevent excessive wear to the system's components.

Magnetic Plugs are used by numerous manufacturers of gear boxes, transmissions, engines, and hydraulic systems for the automotive, aircraft, agricultural and machinery industries.

Typical applications include:

- Outboard Engines
- Earthmoving Equipment
- Combines
- Balers
- Crawler Tractors
- Lift Trucks
- Mining Equipment
- Military Vehicles
- Turbine Engines
- Truck Axles
- Heavy-Duty Transmissions



PART	SIZE "A"	HEAD WIDTH "C"	RECESS DIA. "H"	O/L LENGTH "L"	
28996	3/8 - 18	.428 - .440	.435 - .445	.805 - .860	----
28997	1/2 - 14	.553 - .565	.560 - .570	.970 - 1.04	----
28998	3/4 - 14	.615 - .627	.725 - .735	1.120 - 1.170	----
28999	1-11 1/2	.803 - .815	.895 - .905	1.25 - 1.33	----

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BULL PLUGS AND SWAGS

NIPPLES AND FITTINGS

BULL PLUGS AND SWAGES

STANDARD BULL PLUG

- Sch 40 150#
- Zinc plated



PART #	DESCRIPTION	
91008	2"	----
	2" w/ 1/2" TAP	----
	2-1/2"	----
	3"	----
	4"	----

XH BULL PLUG

- Made from sch. 80 pipe.
- Zinc plated
- Hollow



PART #	DESCRIPTION	
	1/4"	----
90002	3/8"	----
90003	1/2"	----
90004	3/4"	----
90005	1"	----
	1-1/4"	----
	1-1/2"	----
90008	2"	----
93001*	2"	----
90213	2" w/ 1/4" TAP	----
90212	2" w/ 1/2" TAP	----
93212*	2"XXH w/1/2" TAP	----
	2-1/2"	----
	3"	----
	3" w/ 1/2" TAP	----
90011	4"	----

* XXH

STANDARD SCH. 40 SWAGE

MIP X MIP

- Zinc plated



PART #	DESCRIPTION	
93113	1-1/4" x 1"	----
93121	2" x 1"	----
93122	2" x 1-1/4"	----
93123	2" x 1-1/2"	----
	2-1/2" x 2"	----
	3" x 1"	----
93127	3" x 1-1/2"	----
93128	3" x 2"	----
	3" x 2-1/2"	----
93130	4" x 2"	----
93131	4" x 3"	----
93139	6" x 3"	----

Pressure Ratings: Due to the wide variation in service conditions, temperature, vibrations, etc...Midland Industries can make no recommendations as to allowable working pressure of swage nipples and bull plugs. There are a number of working pressure formulas from which the end user may choose to determine the required wall thickness of the piping system. It is our responsibility only to furnish a fitting with end dimensions equal to those of the pipe size and schedule ordered.

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

SWAGES

NIPPLES AND FITTINGS

SCH 80 XH SWAGES MIP X MIP



* Hex Style



XXH SWAGE



PART #	DESCRIPTION	
	1/4" x 1/8"	----
	1/2" x 1/4"	----
90103*	1/2" x 3/8"	----
90104*	3/8" x 1/4"	----
90105*	3/4" x 1/4"	----
90106*	3/4" x 3/8"	----
90107*	3/4" x 1/2"	----
	1" x 1/4"	----
	1" x 3/8"	----
90110*	1" x 1/2"	----
90111*	1" x 3/4"	----
90140	1-1/4" x 3/4"	----
90141	1-1/4" x 1"	----
90114	1-1/2" x 1/2"	----
90115	1-1/2" x 3/4"	----
90116	1-1/2" x 1"	----
90117	1-1/2" x 1-1/4"	----
	2" x 1/4"	----
90119	2" x 1/2"	----
90120	2" x 3/4"	----
90121	2" x 1"	----
90122	2" x 1-1/4"	----
90123	2" x 1-1/2"	----
	2-1/2" x 2"	----
	3" x 1"	----
90126	3" x 1-1/4"	----
90127	3" x 1-1/2"	----
90128	3" x 2"	----
	3" x 2-1/2"	----
	4" x 1"	----
90130	4" x 2"	----
90131	4" x 3"	----
90132	6" x 4"	----
	6" x 2"	----
	6" x 3"	----

PART #	DESCRIPTION	
	1/2" x 1/4"	----
	3/4" x 1/2"	----
	1" x 1/4"	----
	1" x 3/8"	----
92110*	1" x 1/2"	----
	1" x 3/4"	----
	1-1/2" x 1/2"	----
	1-1/2" x 3/4"	----
92116	1-1/2" x 1"	----
	2" x 1/2"	----
	2" x 3/4"	----
92121	2" x 1"	----
	2" x 1-1/4"	----
	2" x 1-1/2"	----
92128	3" x 2"	----

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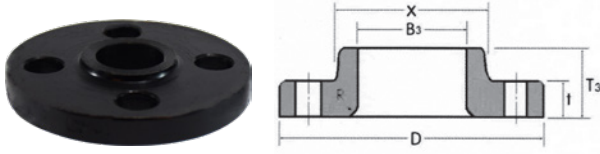
FORGED STEEL FLANGES

NIPPLES AND FITTINGS

ASTMA105
ASME SA105
ANSI B16.5

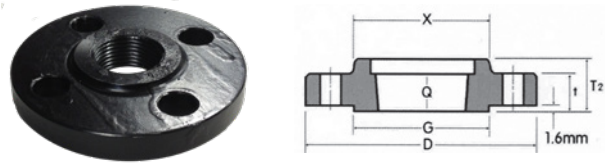
CARBON STEEL FLANGES

• A105 Forged Steel • CLASS 150
(1-1/2 thru 6" available in #316 Stainless Steel add SS to part#)



SLIP-ON 1/16" RAISED FACE CARBON STEEL FLANGE

PART #	SIZE	
	1/2"	----
	3/4"	----
	1"	----
	1-1/4"	----
107024	1-1/2"	----
107025	2"	----
107026	2-1/2"	----
107027	3"	----
107029	4"	----
107031	6"	----
107032	8"	----
	10"	----
	12"	----



THREADED 1/16" RAISED FACE CARBON STEEL FLANGE

PART #	SIZE	
107060	1/2"	----
107061	3/4"	----
107062	1"	----
107063	1-1/4"	----
107064	1-1/2"	----
107065	2"	----
107066	2-1/2"	----
107067	3"	----
107069	4"	----
107071	6"	----
107072	8"	----
107073	10"	----
	12"	----

Nominal Pipe Size	Depth of Socket in. Y	Bolt Circle Diameter	Number of Holes	Diameter of Holes	Diameter of Bolts (inch)	Machine Bolt Length			Welding Neck LBS	Slip-on and Threaded LBS	Blind LBS
						Raised Face	Raised Face	Ring Joint			
1/2	.382	2.382	4	.618	1/2	2.00	2.252	-	1.146	1.036	1.036
3/4	.441	2.752	4	.618	1/2	2.00	2.50	-	2.028	1.653	1.389
1	.500	3.118	4	.618	1/2	2.252	2.50	3.00	2.425	1.893	2.094
1-1/4	.559	3.50	4	.618	1/2	2.252	2.752	3.252	3.086	3.086	3.086
1-1/2	.618	3.882	4	.618	1/2	2.50	2.752	3.252	3.99	3.109	3.571
2	.689	4.752	4	.752	5/8	2.752	3.252	3.752	6.173	4.982	5.82
2-1/2	.752	5.5	4	.752	5/8	3.00	3.50	4.00	9.436	7.562	8.951
3	.811	6.0	4	.752	5/8	3.00	3.50	4.00	11.42	8.818	11.023
4	.941	7.50	8	.752	5/8	3.00	3.50	4.00	16.138	12.677	16.535
6	1.059	9.50	8	.882	3/4	3.252	4.00	4.50	24.824	17.196	26.455
8	1.252	11.752	8	.882	3/4	3.50	4.252	4.752	39.683	28.66	44.092
10	1.311	14.252	12	1.00	7/8	4.00	4.50	5.00	55.116	37.699	66.139
12	1.559	17	12	1.00	7/8	4.00	4.752	5.252	85.936	61.024	97.003

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

FORGED STEEL FLANGES

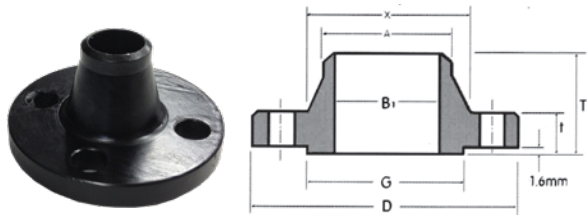
NIPPLES AND FITTINGS

ASTMA105
ASME SA105
ANSI B16.5

• A105 Forged Steel

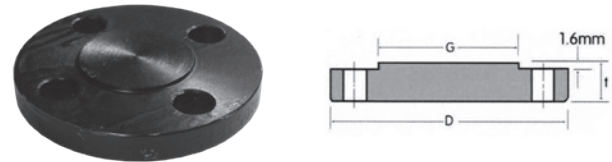
• CLASS 150

(1-1/2 thru 6" available in #316 Stainless Steel add SS to part#)



WELD NECK CARBON STEEL FLANGE

Part #	Size	
	1/2"	----
	3/4"	----
	1"	----
	1-1/4"	----
107004	1-1/2"	----
107005	2"	----
	2-1/2"	----
107007	3"	----
107009	4"	----
107011	6"	----
107012	8"	----
	10"	----
	12"	----



BLIND 1/16" RAISED FACE CARBON STEEL FLANGE

PART #	SIZE	
	1/2"	----
	3/4"	----
107042	1"	----
	1-1/4"	----
107044	1-1/2"	----
107045	2"	----
	2-1/2"	----
107047	3"	----
107049	4"	----
	6"	----
	8"	----
	10"	----
	12"	----

Nominal Pipe Size	Outside Diameter	O.D of Raised Face	Diameter at Base of Hub	Thickness	Welding Neck Socket Welding	Welding Neck	Slip-on Threaded Socket Welding
	D	G	X		T	B1	T1
1/2	3.504	1.382	1.189	.441	.618	1.882	.618
3/4	3.898	1.689	1.50	.50	.819	2.059	.618
1	4.252	2.00	1.941	.559	1.051	2.189	.689
1-1/4	4.606	2.50	2.311	.618	1.382	2.252	.811
1-1/2	5.00	2.882	2.559	.689	1.610	2.441	.882
2	5.984	3.618	3.059	.752	2.071	2.50	1.00
2-1/2	7.008	4.118	3.559	.882	2.469	2.752	1.118
3	7.52	5.00	4.252	.941	3.071	2.752	1.189
4	9.016	6.189	5.311	.941	4.031	3.00	1.311
6	10.984	8.50	7.559	1.00	6.071	3.50	1.559
8	13.504	10.618	9.689	1.118	7.980	4.00	1.752
10	15.984	12.752	12.00	1.189	10.02	4.00	1.941
12	19.016	15.00	14.382	1.252	12.00	4.50	2.189

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

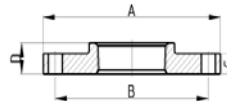


BLACK AND GALV. DUCTILE IRON REDUCING COMPANION FLANGES

NIPPLES AND FITTINGS

THREADED COMPANION FLANGE CLASS 125 PATTERN (BLACK & GALVANIZED)

- * DIMENSIONS, FACED AND DRILLED IN ACCORDANCE WITH ASME B16.42/AWWA C110
- * COATING: AVAILABLE IN BLACK ELECTROPHORETIC COATING AND HOT DIP GALVANIZED
- * HOT-DIPPED GALVANIZED CONFORM TO ASTM A153; COMPANION FLANGE THREADS CONFORM TO ASME B1.20.1
- * APPLICATION: WATERWORKS, PUMP, IRRIGATION
- * 150PSI



BLACK

PART #	DESCRIPTION (DI FLANGE)	A (INCH)	B (INCH)	C (INCH)	D (INCH)	BOLT HOLE SIZE	NO. OF HOLES	UNIT WEIGHT (KG)	
108075	3" x 2"	7.50	6.00	0.75	1.19	φ0.75	4	4.3827	----
108076	3" x 2-1/2"	7.50	6.00	0.75	1.19	φ0.75	4	4.2013	----
108077	4" x 1-1/2"	9.00	7.50	0.94	1.31	φ0.75	8	6.8352	----
108088	4" x 2"	9.00	7.50	0.94	1.31	φ0.75	8	6.4168	----
108089	4" x 2-1/2"	9.00	7.50	0.94	1.31	φ0.75	8	6.3343	----
108090	4" x 3"	9.00	7.50	0.94	1.31	φ0.75	8	6.081	----
108091	5" x 4"	10.00	8.50	0.94	1.44	φ0.875	8	6.8761	----
108094	6" x 2"	11.00	9.50	1.00	1.56	φ0.875	8	10.6349	----
108095	6" x 3"	11.00	9.50	1.00	1.56	φ0.875	8	10.1831	----
108092	6" x 4"	11.00	9.50	1.00	1.56	φ0.875	8	9.4563	----
108096	8" x 4"	13.50	11.75	1.12	1.75	φ0.875	8	17.1296	----
108097	8" x 6"	13.50	11.75	1.12	1.75	φ0.875	8	15.2184	----
108098	8" x 2"	16.00	14.25	1.19	1.94	φ1	12	26.54	----
108099									
108100									
108101									

GALVANIZED

108031	2-1/2" x 2"	6.00	4.75	0.75	1.19	φ0.75	4	3.623	
108032	3" x 2"	7.50	6.00	0.75	1.19	φ0.75	4	4.3827	
108033	3" x 2-1/2"	7.50	6.00	0.75	1.19	φ0.75	4	4.2013	----
108034	4" x 2"	9.00	7.50	0.94	1.31	φ0.75	8	6.4168	
108035	4" x 2-1/2"	9.00	7.50	0.94	1.31	φ0.75	8	6.3343	----
108036	4" x 3"	9.00	7.50	0.94	1.31	φ0.75	8	6.081	----
108038	6" x 2"	11.00	9.50	1.00	1.56	φ0.875	8	10.6349	----
108039	6" x 2-1/2"	11.00	9.50	1.00	1.56	φ0.875	8	10.5386	----
108037	6" x 4"	11.00	9.50	1.00	1.56	φ0.875	8	9.4563	----
108040	8" x 4"	13.50	11.75	1.12	1.75	φ0.875	8	17.1296	----
108041	8" x 6"	13.50	11.75	1.12	1.75	φ0.875	8	15.2184	

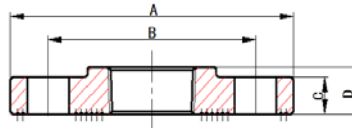
WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



BLACK AND GALVANIZED COMPANION FLANGES

NIPPLES AND FITTINGS

DUCTILE IRON THREADED COMPANION FLANGES



*DIMENSIONS, FACED AND DRILLED IN ACCORDANCE WITH ASME B16.42/AWWA C110

*COATING: AVAILABLE IN BLACK ELECTROPHORETIC COATING AND HOT DIP GALVANIZED

*HOT-DIPPED GALVANIZED CONFORM TO ASTM A153; COMPANION FLANGE THREADS CONFORM TO ASME B1.20.1

*APPLICATION: WATERWORKS, PUMP, IRRIGATION

BLACK

PART # (BLACK)	DESCRIPTION (THREADED)	SIZE (INCH)	A (INCH)	B (INCH)	C (INCH)	D (INCH)	BOLT HOLE SIZE	NO. OF HOLES	UNIT WEIGHT (KG)	
108062	1 150	1"	4.25	3.12	0.44	0.75	φ0.625	4	0.8347	----
108063	1 1/4 150	1-1/4"	4.62	3.5	0.5	0.81	φ0.625	4	1.0797	----
108064	1 1/2 150	1-1/2"	5	3.88	0.56	0.88	φ0.625	4	1.3217	----
108065	2 150	2"	6	4.75	0.62	1	φ0.75	4	2.1457	----
108066	2 1/2 150	2-1/2"	7	5.5	0.69	1.12	φ0.75	4	3.4182	----
108067	3 150	3"	7.5	6	0.75	1.19	φ0.75	4	3.9051	----
108069	4 150	4"	9	7.5	0.94	1.31	φ0.75	8	5.5254	----
108071	6 150	6"	11	9.5	1	1.56	φ0.875	8	7.5328	----
108072	8 150	8"	13.5	11.75	1.12	1.75	φ0.875	8	13.0201	----
108073	10 150	10"	16	14.25	1.19	1.94	φ1	12	22.854	----
108074	12 150	12"	19	17	1.25	2.19	φ1	12	26.5451	----

GALVANIZED

108025	2 150	2"	6	4.75	0.62	1	φ0.75	4	2.1457	----
108026	2 1/2 150	2-1/2"	7	5.5	0.69	1.12	φ0.75	4	3.4182	----
108027	3 150	3"	7.5	6	0.75	1.19	φ0.75	4	3.9051	----
108028	4 150	4"	9	7.5	0.94	1.31	φ0.75	8	5.5254	----
108029	6 150	6"	11	9.5	1	1.56	φ0.875	8	7.5328	----

BLIND FLANGES



PART # (BLACK)	DESCRIPTION (THREADED)	SIZE (INCH)	A (INCH)	B (INCH)	C (INCH)	BOLT HOLE SIZE	NO. OF HOLES	UNIT WEIGHT (KG)	
108065BF		2"	6	4.75	0.62	φ0.75	4	2.3731	
108067BF		3"	7.5	6	0.94	φ0.75	4	4.8547	
108069BF		4"	9	7.5	0.94	φ0.75	8	6.5341	
108071BF		5"	10	8.5	0.94	φ0.875	8	7.9894	
108070BF		6"	11	9.5	1	φ0.875	8	10.811	
108072BF		8"	13.5	11.75	1.12	φ0875	8	18.6264	
108073BF		10"	16	14.25	1.19	φ1	12	26.2487	

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

WROT SOLDER JOINT

NIPPLES AND FITTINGS

COPPER FITTINGS



SYMBOL OF JOINT ENDS

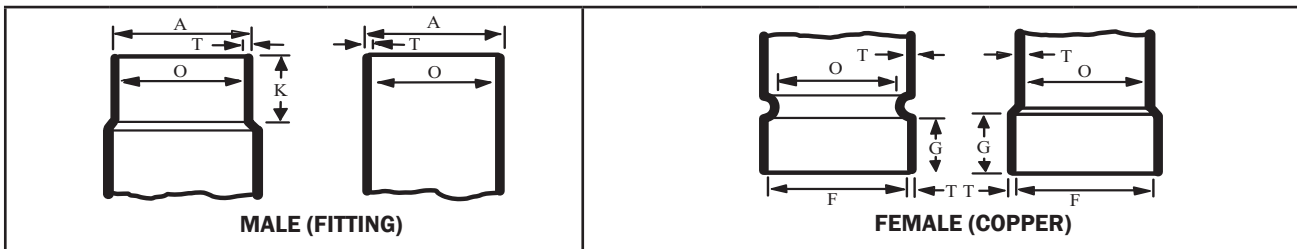
- C** Solder joint fitting end made to receive copper tube diameter
 - Ftg.** Solder joint fitting end made to copper tube diameter
 - F** Internal ANSI Standard Taper Pipe Thread-Female
 - M** External ANSI Standard Taper Pipe Thread-Male
- Threaded ends ANSI/ ASME B1. Solder ends ASTM B88

- Temp range 32° to 200°F
- Pressure @100° - 1/8-1 : 500 PSI
- 1-1/4-2 : 400 PSI
- 2-1/2 - 3: 300 PSI

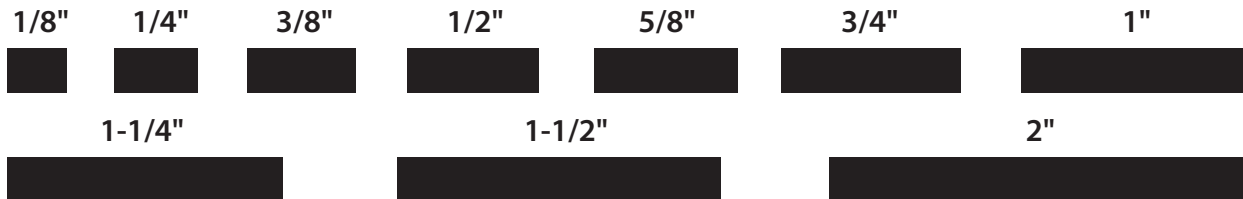
**NSF - 61 CERTIFIED
ALLOY C12200**

PRICING FILE AVAILABLE ONLINE

THE ABOVE CONFORMS TO ASTM B 88 & ASTM B 306, A 306



Nom- inal Size	Joint Ends										Metal Thick- ness T (in)	Inside Diam- eter O (in)
	Male End					Female End						
	Outside Diam- eter (A) in	Average Toler- ance (mm)	Ac- tual MIN in	O.D. MAX in		Inside Diam- eter F (in)	Average Toler- ance (mm)	Ac- tual MIN in	O.D. MAX in			
1/8	2/8	0.03	2/8	2/8	3/8	2/8	0.03	2/8	2/8	3/8	0	2/8
1/4	3/8		3/8	3/8	3/8	3/8		3/8	3/8	3/8	0	2/8
3/8	4/8		4/8	4/8	3/8	4/8		4/8	4/8	3/8	0	3/8
1/2	5/8		5/8	5/8	4/8	5/8		5/8	5/8	3/8	0	4/8
5/8	6/8		6/8	6/8	5/8	6/8		6/8	6/8	5/8	0	4/8
3/4	7/8		7/8	7/8	6/8	7/8		7/8	7/8	5/8	0	5/8



WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer.
 For more information, visit www.P65Warnings.ca.gov

WROT SOLDER JOINT

NIPPLES AND FITTINGS

90° ELL C X C



PART#	NOMINAL (ID)	OD	APPROX NET WT.	IND #
77101	1/4"	3/8"	0.01	W 02009
77102	3/8"	1/2"	0.03	W 02017
77104	1/2"	5/8"	0.04	W 02022
77108	3/4"	7/8"	0.09	W 02034
77110	1"	1-1/8"	0.17	W 02047
77113	1-1/4"	1-3/8"	0.27	W 02077
77114	1-1/2"	1-5/8"	0.41	W 02085
77116	2"	2-1/8"	0.73	W 02086
77119	3"			

WE-500-R 607-R 107-C

90° STREET ELL FTG. X C



PART#	NOMINAL (ID)	OD	APPROX NET WT.	IND #
77124	1/4"	3/8"	0.01	W 02312
77125	3/8"	1/2"	0.03	W 02321
77126	1/2"	5/8"	0.05	W 01652
77128	3/4"	7/8"	0.12	W 01654
77129	1"	1-1/8"	0.22	W 02344
77130	1-1/4"	1-3/8"	0.33	W 02384
77131	1-1/2"	1-5/8"	0.45	W 02385
77132	2"	2-1/8"	0.87	W 02386
77134	3"			

90° LONG TURN ELL C X C



PART#	NOMINAL (ID)	OD	APPROX NET WT.	IND #
77143	1/2"	5/8"	0.06	W 02722
77144	5/8"	3/4"	0.10	W 02728
77145	3/4"	7/8"	0.15	W 02734

WE-500-L 607-LT 107-L

90° LONG TURN ST. ELL FTG. X C



PART#	NOMINAL (ID)	OD	APPROX NET WT.	IND #
77156	5/8"	3/4"	0.11	
77159	1-1/4"	1-3/8"	0.46	W 02828
77160	1-1/2"	1-5/8"	0.64	W 02834

WE-503-L 607-2LT

45° ELL C X C



PART#	NOMINAL	APPROX NET WT.	IND #
77163	3/8"	0.02	W 03021
77164	1/2"	0.04	W 03026
77166	3/4"	0.10	W 03034
77167	1"	0.19	W 03044
77168	1-1/4"	0.27	W 03050
77169	1-1/2"	0.39	W 03055
77170	2"	0.75	W 03059

WE-504 606 106

* See midlandindustries.com for larger sizes

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

NIPPLES & FITTINGS

WROT SOLDER JOINT

NIPPLES AND FITTINGS

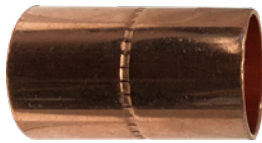
STREET 45° FTG. X C



PART#	NOMINAL	APPROX NET WT.	IND #	
77179	1/2"	0.06	W 03326	----
77181	3/4"	0.10	W 03334	----
77182	1"	0.18	W 03344	----
77183	1-1/4"	0.27	W 03350	----

WE-505 606-2

COUPLING (SOCKET) W/ ROLLED UP TUBE STOP C X C



PART#	NOMINAL	APPROX NET WT.	IND #	
77201	1/8"	0.01	W 01003	----
77202	1/4"	0.01	W 01009	----
77203	3/8"	0.02	W 01017	----
77204	1/2"	0.03	W 01022	----
77205	5/8"	0.04	W 01028	----
77206	3/4"	0.06	W 01034	----
77207	1"	0.10	W 01047	----
77208	1-1/4"	0.15	W 01055	----
77209	1-1/2"	0.22	W 01063	----
77210	2"	0.39	W 01072	----
77212	3"			

WC-400 100

COUPLING (SOCKET) LESS TUBE STOP C X C



PART#	NOMINAL	APPROX NET WT.	IND #	
77220	1/4"	0.01	W 01901	----
77222	1/2"	0.03	W 01903	----
77223	3/4"	0.06	W 01905	----
77224	1"	0.10	W 01906	----
77225	1-1/4"	0.15	W 01907	----
77226	1-1/2"	0.22	W 01908	----
77227	2"	0.39	W 01909	----

WC-400NS 601

COUPLING (SOCKET) W/ DIMPLED TUBE STOP C X C



PART#	NOMINAL	APPROX NET WT.	IND #	
77238	1/2"	0.03		----
77240	3/4"	0.06		----
77241	1"	0.10		----

WC-400S

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

* See midlandindustries.com for larger sizes

WROT SOLDER JOINT

NIPPLES AND FITTINGS

REDUCER COUPLING W/ STOP C X C



PART#	NOMINAL	APPROX NET WT.	IND #	
77252	1/4" x 1/8"	0.01	W 01011	----
77253	3/8" x 1/4"	0.02	W 01019	----
77256	1/2" x 1/4"	0.03	W 01023	----
77255	1/2" x 3/8"	0.03	W 01021	----
77258	5/8" x 1/2"	0.04	W 01025	----
77262	3/4" x 1/2"	0.06	W 01029	----
77267	1"x1/2"	0.10	W 01049	----
77265	1"x3/4"	0.12	W 01038	----
77269	1 -1/4" x 3/4"	0.17	W 01056	----
77268	1-1/4" x 1"	0.17	W 01051	----
77272	1-1/2" x1"	0.24	W 01064	----
77271	1-1/2" x 1-1/4"	0.24	W 01060	----
77277	2" x 1"	0.48	W 01074	----
77276	2 x 1-1/4"	0.46	W 01073	----
77275	2" x 1-1/2"	0.42	W 01069	----

• 21 more sizes available - see website

WC-400R 600-R

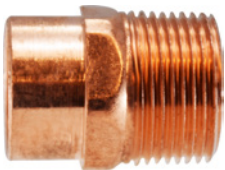
FITTING REDUCER FTG. C X C



PART#	NOMINAL	APPROX NET WT.	IND #	
77294	1/2" x 1/4"	0.03	W 01317	----
77298	3/4" x 3/8"	0.05	W 01327	----
77297	3/4" x 1/2"	0.06	W 01326	----
77352	1" x 1/2"	0.10	W 01265	----
77300	1"x3/4"	0.11	W 01337	----
77355	1 -1/4" x 3/4"	0.15	W 01345	----
77354	1-1/4" x1"	0.17	W 01343	----
77359	1 -1/2" x 3/4"	0.21	W 01353	----
77358	1-1/2"x1"	0.22	W 01351	----
77357	1 -1/2" X 1-1/4"	0.21	W 01350	----
77361	2" x 1-1/2"	0.39	W 01358	----

WC-403 600-2

MALE ADAPTER C X M



PART#	NOMINAL	APPROX NET WT.	IND #	
77398	3/8"	0.06	W 01125	----
77401	1/2"	0.08	WB01131	----
77306	3/4"	0.14	WB01146	----
77309	1"	0.24	WB01163	----
77314	1-1/4"	0.41	W 01171	----
77318	1-1/2"	0.50	W 01179	----
77322	2"	0.87	W 01187	----
77308	3/8" x 1/2"			
77311	1/2" x 3/8"	0.18		----
77315	3/4" x 1/2"	0.31		----
77307	3/4" x 1"	0.29	W 01145	----
77312	1" x 3/4"	0.18	W 01164	----

• 14 more reducing sizes available

WC-401 604

* See midlandindustries.com for more sizes

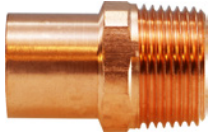
WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

NIPPLES & FITTINGS

WROT SOLDER JOINT

NIPPLES AND FITTINGS

FTG. MALE ADAPTER FTG. X M



PART#	NOMINAL	APPROX NET WT.	IND #	
77331	1/2"	0.09	W 01431	----
77333	3/4"	0.15	W 01446	----
77334	1"	0.15	W 01463	----
77335	1-1/4"	0.41	W 01471	----

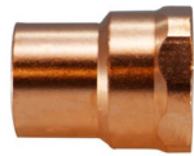
WC-404 604-2

COPPER TUBING

SEE COPPER TUBING FOR REFRIGERATION AND DRINKING WATER

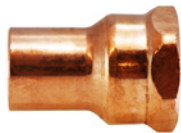


FEMALE ADAPTERS C X F



PART#	NOMINAL	APPROX NET WT.	IND #	
77340	3/8"			
77343	1/2"	0.10	WB01231	----
77349	3/4"	0.14	WB01246	----
77402	1"	0.24	WB01263	----
77406	1-1/4"	0.43	W 01271	----
77410	1-1/2"	0.58	W 01279	----
77413	2"	0.74	W 01287	----
77341	3/8" x 1/2"	0.10	W 01224	----
77347	1/2" x 1/4"	0.05	W 01233	----
77346	1/2" x 3/8"	0.70	W 01232	----
77345	1/2" x 3/4"	0.15	WB01230	----

FEMALE FTG. ADAPT. FTG. X F



PART#	NOMINAL	APPROX NET WT.	IND #	
77420	1/2"	0.11	W 01531	----
77423	3/4"	0.19	W 01546	----
77424	1			----
77425	1 1/4			----

WC405 603-2 WC405R 603R

CAP



PART#	NOMINAL	APPROX NET WT.	IND #	
77430	3/8"	0.01	W 07006	----
77431	1/2"	0.02	WB07007	----
77432	5/8"	0.03	W 07008	----
77433	3/4"	0.04	WB07009	----
77434	1"	0.08	WB07011	----
77435	1-1/4"	0.11	W 07012	----
77436	1-1/2"	0.18	W 07013	----
77437	2"	0.30	W 07014	----

• More sizes available

WC402 603 WC402R 603R

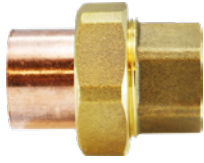
WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



WROT SOLDER JOINT

NIPPLES AND FITTINGS

UNIONS C X C



• LF = Lead Free

PART#	NOMINAL	APPROX NET WT.	IND #	
77455LF	1/2"	0.17	W 08003	----
77456LF	3/4"	0.37	W 08004	----
77457LF	1"	0.51	W 08005	----
77606LF	1-1/4"	0.98	W08006	----
77607LF	1-1/2"	1.21	W08007	----
77608LF	2"		W08008	----

WC-415 617

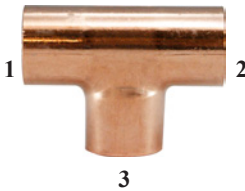
U-TYPE STRAP



PART#	NOMINAL	APPROX NET WT.	IND #	
77461	1/2"	0.03	A 02529	----
77462	3/4"	0.03	A 02574	----

WC-407
WS-1100

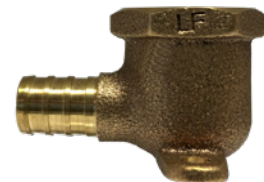
TEE C X C X C



PART#	NOMINAL 1 X 2 X 3	APPROX NET WT.	IND #	
77467	1/8"	0.02	W 40306	----
77468	1/4"	0.03	W 04000	----
77470	3/8"	0.05	W 04001	----
77473	1/2"	0.08	WB04006	----
77483	3/4"	0.18	WB04031	----
77490	1"	0.35	WB04048	----
77504	1-1/4"	0.58	W 04068	----
77519	1-1/2"	0.72	W 04084	----
77543	2"	1.35	W 40102	----
77489	3/4"x1/2"x1/2"	0.15	WB04043	----
77488	3/4" x 1/2" x 3/4"	0.19	WB04041	----
77486	3/4" x 3/4" x 1/2"	0.15	WB04033	----
77485	3/4"x3/4"x1"	0.25	W 04065	----
77501	1"x1/2"x1"	0.34	W 04061	----
77499	1"x3/4"x3/4"	0.31	W 04056	----
77496	1"x1"x1/2"	0.24	WB04051	----
77493	1"x1"x3/4"	0.29	WB04049	----
77523	1-1/2" x 1-1/2" x 3/4"	0.51	W 04087	----
77522	1-1/2" x 1-1/2" x 1"	0.60	W 04086	----
77547	2"x2"x1"	0.99	W 40105	----

WT-600 611

DROP EAR ELBOWS



• Lead Free Bronze • Lead Free Brass

• Lead Free Brass

• Lead Free Bronze

PART #	SWT X FIP	
44840LF	1/2 x 1/2 Bronze	----
44841LF	1/2 x 1/2 Brass	----
44842LF	3/4 x 1/2 Brass	----
44843LF	3/4 x 3/4 Brass	----

PART #	SWT X SWT	
44844LF	1/2 x 1/2	----

PART #	PEX X FIP	
44845LF	1/2 x 1/2	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

PLASTIC FITTINGS



SCH 80 PVC NIPPLES



Machined Schedule 80 PVC nipples comply fully with ASTM D2464, threads conform to ASTM F1498, and the pipe is extruded from PVC 1120-1220 meeting ASTM D1784 and meets ASTM D1785, products standard 21-70

PIPE FITTINGS



- Nylon
- Polyethylene
- Polypropylene

HOSE BARB FITTINGS



- Nylon
- Polyethylene
- Polypropylene

NYLON & POLYPROPYLENE COMPRESSION FITTINGS



POLYPROPYLENE PUSH-IN TUBE FITTINGS AND VALVES



GARDEN HOSE FITTINGS



- Nylon

Machined Schedule 80 PVC nipples comply fully with ASTM D2464,

- NSF 61 certified for use with drinking (potable) water
- Max Temperature: 140°F
- Max Pressure: Not Rated

SCH 40 PVC FITTINGS



- NSF 61 certified for use with drinking (potable) water
 - Max Temperature: 140°F
 - Max Pressure: Not Rated
- Resistant to corrosion, strong and rigid - commonly used in low pressure plumbing applications. ASTM D1784 and D2466.

SCH 80 PVC FITTINGS



PVC Material is Type 1 according to the American Society for Testing Materials (ASTM) D-1784. Fittings conform to ASTM D-2464 & ASTM D-2467. Temperature rating is 140°F. PSI is based on water at 73°F. Derate 50% at 110°F and 78% at 140°F. Not recommended for use in compressed air or gas systems.

SEE MIDLAND BLANKET ORDER PROGRAM FOR PVC FITTINGS

PRICING FILE AVAILABLE ONLINE

SEE MIDLANDINDUSTRIES.COM

SEE MIDLANDINDUSTRIES.COM

PLASTIC PIPE

PLASTIC FITTINGS

SCHEDULE 80 PVC NIPPLES

Machined Schedule 80 PVC nipples comply fully with ASTM D2464, threads conform to ASTM F1498, and the pipe is extruded from PVC 1120-1220 meeting ASTM D1784 and meets ASTM D1785, products standard 21-70



- Dark Grey
- NSF-61 Cert.

1/2" DIAMETER 420 PSI

PART #	LENGTH	
55060	X Close (1-1/8")	----
55061	1-1/2"	----
55062	2"	----
55063	2-1/2"	----
55064	3"	----
55065	3-1/2"	----
55066	4"	----
55067	4-1/2"	----
55068	5"	----
55069	5-1/2"	----
55070	6"	----
55072	8"	----
55074	10"	----
55075	11"	----
55076	12"	----
	18"	----
55241	24"	----

1" DIAMETER 315 PSI

PART #	LENGTH	
55100	X Close (1-1/2")	----
55101	2"	----
55102	2-1/2"	----
55103	3"	----
55104	3-1/2"	----
55105	4"	----
55106	4-1/2"	----
55107	5"	----
55108	5-1/2"	----
55109	6"	----
55111	8"	----
55115	12"	----
55116	18"	----
55117	36"	----

3/4" DIAMETER 340 PSI

PART #	LENGTH	
55080	x Close (1-3/8")	----
55081	1-1/2"	----
55082	2"	----
55083	2-1/2"	----
55084	3"	----
55085	3-1/2"	----
55086	4"	----
55087	4-1/2"	----
55088	5"	----
55089	5-1/2"	----
55090	6"	----
55092	8"	----
55093	10"	----
55096	12"	----
55097	18"	----
55098	24"	----

1-1/4" DIAMETER 210 PSI

PART #	LENGTH	
55120	X Close (1-5/8")	----
55121	2"	----
55122	2-1/2"	----
55123	3"	----
55124	3-1/2"	----
55125	4"	----
55126	4-1/2"	----
55127	5"	----
55128	5-1/2"	----
55129	6"	----
55132	12"	----

PLASTIC PIPE

PLASTIC FITTINGS

1-1/2" DIAMETER 234 PSI

PART	LENGTH	
55140	X Close (1-5/8")	----
55141	2"	----
55142	2-1/2"	----
55143	3"	----
55144	3-1/2"	----
55145	4"	----
55146	4-1/2"	----
55147	5"	----
55148	5-1/2"	----
55149	6"	----
55150	8"	----
55151	12"	----

3" DIAMETER

PART #	LENGTH	BOX QTY	
55200	x Close	25	----
55201	3"	20	----
55203	4"	30	----
55205	5"	20	----
55207	6"	20	----
55209	8"	10	----
55211	10"	10	----
55213	12"	10	----

2" DIAMETER 200 PSI

PART #	LENGTH	
55160	X Close (2")	----
55161	2-1/2"	----
55162	3"	----
55163	3-1/2"	----
55164	4"	----
55165	4-1/2"	----
55166	5"	----
55167	5-1/2"	----
55168	6"	----
55170	8"	----
55174	12"	----
55179	60"	----

PIPE-NYLON POLY

AVAILABLE IN THREE TYPES OF PLASTIC

(W) White Nylon

Made from virgin grade formulated to resist physical stress and abrasion. This material meets F.D.A. requirements of Code of Federal Regulation part 177.1500 and is therefore suitable for food contact surfaces.

Temperature Range: -40°F to 200° F

Working Pressure: 125 PSI maximum.

(B) Black Polyethylene

Made from a high molecular weight linear polyethylene formulated for chemical compatibility and high impact resistance at lower temperatures. Polyethylene is NSF approved for potable water.

Temperature Range: -65°F to 190°F

Working Pressure: 125 PSI maximum.

(P) Polypropylene

Made from the finest polypropylene resins. Polypropylene is used for its resistance to a wide range of chemicals. Working pressures decrease as temperatures increase.

- NSF-approved materials
- FDA-approved materials

Note: Do not use with compressed air or gas.

ELBOW



P

POLYPROPYLENE ELBOWS

PART #	SIZE	
28702P	3/8"	----
28704P	3/4"	----



W

NYLON ELBOWS

PART #	SIZE	
28703W	1/2"	----
28704W	3/4"	----
28705W	1"	----
28706W	1-1/4"	----
28707W	1-1/2"	----
28708W	2"	----

TEE



P

POLYPROPYLENE TEES

PART #	SIZE	
28741P	1/4"	----
28742P	3/8"	----
28743P	1/2"	----
28744P	3/4"	----



W

NYLON TEES

PART #	SIZE	
28741W	1/4"	----
28743W	1/2"	----
28744W	3/4"	----
28745W	1"	----
28746W	1-1/4"	----
28747W	1-1/2"	----
28748W	2"	----

STREET ELBOW



P

POLYPROPYLENE STREET ELBOW

PART #	SIZE	
28819P	1/8"	----
28723P	1/2"	----
28820P	2"	----



W

NYLON STREET ELBOW

PART #	SIZE	
28819W	1/8"	----
28720W	1/4"	----
28721W	3/8"	----
28723W	1/2"	----
28724W	3/4"	----
28725W	1"	----
28726W	1-1/4"	----
28727W	1-1/2"	----
28820W	2"	----

- 10% Fiberglass fill for extra strength

HEX HEAD PLUGS



- Cored

B

POLYETHYLENE PLUGS

PART #	SIZE	
28601B	1/8"	----
28602B	1/4"	----
28603B	3/8"	----
28604B	1/2"	----
28605B	3/4"	----



W

NYLON PLUGS

PART #	SIZE	
28601W	1/8"	----
28602W	1/4"	----
28603W	3/8"	----
28604W	1/2"	----
28605W	3/4"	----
28606W	1"	----
28607W	1-1/4"	----
28608W	1-1/2"	----
28609W	2"	----

PLASTIC PIPE

PLASTIC FITTINGS

HEX BUSHING



POLYPROPYLENE BUSHINGS

PART #	SIZE	
28659P	1/4 x 1/8"	----
28660P	3/8 x 1/8"	----
28661P	3/8 x 1/4"	----
28811P	1/2 x 1/8"	----
28663P	1/2 x 1/4"	----
28664P	1/2 x 3/8"	----
28666P	3/4 x 1/4"	----
28668P	3/4 x 1/2"	----
28671P	1 x 1/2"	----
28672P	1 x 3/4"	----
28675P	1-1/4" x 1"	----
28814P	1-1/2" x 1/2"	----
28678P	1-1/2 x 3/4"	----
28680P	1-1/2 x 1-1/4"	----
28816P	2 x 1-1/4"	----
28818P	3 x 2"	----



NYLON BUSHINGS

PART #	SIZE	
28659W	1/4 x 1/8"	----
28660W	3/8 x 1/8"	----
28661W	3/8 x 1/4"	----
28663W	1/2 x 1/4"	----
28664W	1/2 x 3/8"	----
28666W	3/4 x 1/4"	----
28667W	3/4 x 3/8"	----
28668W	3/4 x 1/2"	----
28671W	1 x 1/2"	----
28672W	1 x 3/4"	----
28674W	1-1/4 x 3/4"	----
28675W	1-1/4 x 1"	----
28678W	1-1/2 x 3/4"	----
28679W	1-1/2 x 1"	----
28680W	1-1/2 x 1-1/4"	----
28815W	2" x 1/2"	----
28682W	2 x 3/4"	----
28683W	2 x 1"	----
28685W	2 x 1-1/2"	----
28818W	3" x 2"	----

HEX NIPPLES



POLYETHYLENE HEX NIPPLES

PART #	SIZE	
28611B	1/8"	----
28612B	1/4"	----
28613B	3/8"	----
28614B	1/2"	----



POLYPROPYLENE HEX NIPPLES

PART #	SIZE	
28612P	1/4"	----
28613P	3/8"	----
28614P	1/2"	----
28615P	3/4"	----
28619P	2"	----



NYLON HEX NIPPLES

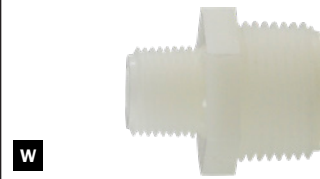
PART #	SIZE	
28611W	1/8"	----
28612W	1/4"	----
28613W	3/8"	----
28614W	1/2"	----
28615W	3/4"	----
28616W	1"	----
28617W	1 1/4"	----
28618W	1 1/2"	----
28619W	2"	----

REDUCER NIPPLES



POLYETHYLENE HEX NIPPLES

PART #	SIZE	
28623B	1/2 x 1/4"	----
28624B	1/2 x 3/8"	----
28628B	3/4 x 3/8"	----
28625B	3/4 x 1/2"	----



NYLON REDUCING HEX NIPPLES

PART #	SIZE	
28620W	1/4 x 1/8"	----
28622W	3/8 x 1/4"	----
28623W	1/2 x 1/4"	----
28624W	1/2 x 3/8"	----
28628W	3/4 x 3/8"	----
28625W	3/4 x 1/2"	----
28663W	1-1/4 x 1"	----

P = Polypropylene
W = White Nylon
B = Black Polyethylene

PLASTIC PIPE/ HOSE BARB

PLASTIC FITTINGS

COUPLING

P



POLYPROPYLENE COUPLINGS

PART #	SIZE	
28761P	1/4"	----
28762P	3/8"	----
28763P	1/2"	----
28764P	3/4"	----

W



NYLON COUPLINGS

PART #	SIZE	
28761W	1/4"	----
28762W	3/8"	----
28763W	1/2"	----
28764W	3/4"	----
28765W	1"	----
28803W	1-1/4"	----
28767W	1-1/2"	----
28768W	2"	----

PIPE CAP

W



NYLON CAPS

PART #	SIZE	
28640W	1/4"	----
28641W	3/8"	----
28642W	1/2"	----
28643W	3/4"	----

PLASTIC BULKHEAD FITTINGS

P



20% Glass Filled Polypropylene
w/ Santoprene Gasket

PART #	FPT	HOLE	
28693P	1/2"	1-3/8"	----
28694P	3/4"	1-3/8"	----
28695P	1"	1-3/4"	----
28696P	1-1/4"	2"	----
28697P	1-1/2"	3"	----
28698P	2"	3"	----
28699P	3"	4-1/2"	----

P = Polypropylene
W = White Nylon
B = Black Polyethylene

MALE ADAPTERS

B



POLYETHYLENE BARB X MALE PIPE

PART #	SIZE	
33002B	3/16 x 1/8"	----
33003B	3/16 x 1/4"	----
33004B	1/4 x 1/8"	----
33005B	1/4 x 1/4"	----
33006B	1/4 x 3/8"	----
33007B	1/4 x 1/2"	----
33008B	5/16 x 1/8"	----
33009B	5/16 x 1/4"	----
33012B	3/8 x 1/4"	----
33013B	3/8 x 3/8"	----
33014B	3/8 x 1/2"	----
33026B	3/8 x 3/4"	----
33015B	1/2 x 1/4"	----
33016B	1/2 x 3/8"	----
33017B	1/2 x 1/2"	----
33018B	1/2 x 3/4"	----
33020B	5/8 x 1/2"	----
33021B	5/8 x 3/4"	----
33022B	3/4 x 1/2"	----
33023B	3/4 x 3/4"	----
33024B	1 x 3/4"	----
33025B	1 x 1"	----

P



POLYPROPYLENE HOSE BARB Hose ID x MIP

PART #	SIZE	
33012P	3/8 x 1/4"	----
33013P	3/8 x 3/8"	----
33014P	3/8 x 1/2"	----
33015P	1/2 x 1/4"	----
33016P	1/2 x 3/8"	----
33017P	1/2 x 1/2"	----
33018P	1/2 x 3/4"	----
33020P	5/8 x 1/2"	----
33022P	3/4 x 1/2"	----
33023P	3/4 x 3/4"	----
33000P	3/4 x 1"	----
33024P	1 x 3/4"	----
33025P	1 x 1"	----

PLASTIC BARBS

PLASTIC FITTINGS

W



NYLON BARB MALE ADAPTERS
Hose ID x MIP

PART #	SIZE	
33002W	3/16 x 1/8"	----
33003W	3/16 x 1/4"	----
33004W	1/4 x 1/8"	----
33005W	1/4 x 1/4"	----
33006W	1/4 x 3/8"	----
33007W	1/4 x 1/2"	----
33380W	1/4 x 3/4"	----
33008W	5/16 x 1/8"	----
33009W	5/16 x 1/4"	----
33010W	5/16 x 3/8"	----
33011W	3/8 X 1/8"	----
33012W	3/8 x 1/4"	----
33013W	3/8 x 3/8"	----
33014W	3/8 x 1/2"	----
33026W	3/8 x 3/4"	----
33015W	1/2 x 1/4"	----
33016W	1/2 x 3/8"	----
33017W	1/2 x 1/2"	----
33018W	1/2 x 3/4"	----
33303W	1/2" x 1"	----
33019W	5/8 x 3/8"	----
33020W	5/8 x 1/2"	----
33021W	5/8 x 3/4"	----
33306W	3/4" x 3/8"	----
33022W	3/4 x 1/2"	----
33023W	3/4 x 3/4"	----
33000W	3/4 x 1"	----
33318W	3/4" x 1-1/4"	----
33024W	1 x 3/4"	----
33025W	1 x 1"	----
33029W	1 x 1-1/4"	----
33320W	1" x 1-1/2"	----
33027W	1-1/8" x 1"	----
33028W	1-1/4 x 1"	----
33030W	1-1/4 x 1-1/4"	----
33032W	1-1/4 x 1-1/2"	----
33321W	1-1/2" x 1-1/4"	----
33033W	1-1/2 x 1-1/2"	----
33322W	2" x 1-1/2"	----
33035W	2 x 2"	----

ELBOWS

B



POLYETHYLENE ELBOWS
Hose ID x MALE PIPE

PART #	SIZE	
33308B	3/16 x 1/8	----
33038B	1/4 x 1/8	----
33039B	1/4 x 1/4	----
33309B	1/4 x 3/8	----
33046B	3/8 x 1/8	----
33041B	3/8 x 1/4	----
33042B	3/8 x 3/8	----
33047B	3/8 x 1/2	----
33043B	1/2 x 3/8	----
33311B	1/2 x 1/2	----
33385B	1/2 x 3/4	----
33044B	5/8 x 3/8	----
33045B	5/8 x 1/2	----
33312B	5/8 x 3/4	----
33313B	3/4 x 1/2	----
33314B	3/4 x 3/4	----
33316B	1 x 1	----

P



POLYPROPYLENE BARB ELBOW

PART #	SIZE	
33048P	1/2 x 1/4	----
33311P	1/2 x 1/2	----
33385P	1/2 x 3/4	----
33313P	3/4 x 1/2	----
33314P	3/4 x 3/4	----
33316P	1 x 1	----
33334P	1-1/4 x 1	----
33461P	1-1/4 x 1-1/4	----
33463P	1-1/2 x 1-1/2	----

W



NYLON BARB X MIP ELBOWS

PART #	SIZE	
33381W	3/16 x 1/4	----
33038W	1/4 x 1/8	----
33039W	1/4 x 1/4	----
33309W	1/4 x 3/8	----
33351W	1/4 x 1/2	----
33040W	5/16 x 1/4	----
33310W	5/16 x 3/8	----
33046W	3/8 x 1/8	----
33041W	3/8 x 1/4	----
33042W	3/8 x 3/8	----
33047W	3/8 x 1/2	----
33384W	3/8 x 3/4	----
33048W	1/2 x 1/4	----
33043W	1/2 x 3/8	----
33311W	1/2 x 1/2	----
33385W	1/2 x 3/4	----
33044W	5/8 x 3/8	----
33045W	5/8 x 1/2	----
33312W	5/8 x 3/4	----
33329W	5/8" x 1"	----
33313W	3/4 x 1/2	----
33314W	3/4 x 3/4	----
33315W	3/4 x 1	----
33386W	1x3/4	----
33316W	1 x 1	----
33460W	1 x 1-1/4	----
33050W	1-1/8" x 1"	----
33461W	1-1/4 x 1-1/4	----
33462W	1-1/2 x 1-1/4	----
33463W	1-1/2 x 1-1/2	----
33464W	2 x 2	----

P = Polypropylene
W = White Nylon
B = Black Polyethylene

PLASTIC BARBS

PLASTIC FITTINGS

HOSE BARB X FE ADAPTERS



B

POLYETHYLENE ADAPTER

Hose ID x FIP

PART #	SIZE	
33053B	1/4 x 1/4"	----



W

NYLON ADAPTER Barb x FIP

PART #	SIZE	
33052W	1/4 x 1/8"	----
33053W	1/4 x 1/4"	----
33058W	3/8 x 1/4"	----
33059W	3/8 x 3/8"	----
33060W	3/8 x 1/2"	----
33442W	3/8 x 3/4"	----
33066W	1/2 x 1/4"	----
33062P	1/2 x 3/8"	----
33061W	1/2 x 1/2"	----
33067W	1/2 x 3/4"	----
33068W	5/8 x 1/2"	----
33063W	5/8 x 3/4"	----
33064W	3/4 x 1/2"	----
33065W	3/4 x 3/4"	----

HOSE BARB X FE ELBOW



P

W

NYLON ELBOW Hose ID x Female Pipe

PART #	SIZE	
33342W	3/8 x 1/2"	----
33402W	1/2 x 3/8"	----
33343P	1/2 x 1/2"	----
33343W	1/2 x 1/2"	----
33344P	5/8 x 3/4"	----
33344W	5/8 x 3/4"	----
33470W	5/8 x 1/2"	----
33345W	3/4 x 1/2"	----
33471W	3/4 x 3/4"	----
33471P	3/4 x 3/4"	----

UNION ELBOWS



B

POLYETHYLENE ELBOW

PART #	SIZE	
33390B	1/4	----
33391B	3/8	----
33394B	1/2	----
33395B	5/8	----
33396B	3/4	----



W

NYLON ELBOW

PART #	SIZE	
33390W	1/4	----
33391W	3/8	----
33394W	1/2	----
33395W	5/8	----
33396W	3/4	----
33397W	1	----
33398W	1-1/4	----
33399W	1-1/2	----
33389W	2	----

SPLICERS



B

POLYETHYLENE SPLICER

PART #	SIZE	
33091B	1/8	----
33092B	3/16	----
33093B	1/4	----
33095B	3/8	----
33096B	1/2	----
33097B	5/8	----
33098B	3/4	----



POLYPROPYLENE SPLICER

PART #	SIZE	
33095P	3/8	----
33096P	1/2	----
33098P	3/4	----
33099P	1	----

SPLICERS



W

NYLON SPLICES

PART #	SIZE	
33091W	1/8	----
33092W	3/16	----
33093W	1/4	----
33094W	5/16	----
33095W	3/8	----
33096W	1/2	----
33097W	5/8	----
33098W	3/4	----
33099W	1	----
33480W	1-1/4	----
33481W	1-1/2	----
33482W	2	----

REDUCING SPLICERS



B

POLYETHYLENE SPLICES

PART #	SIZE	
33406B	3/8 x 1/4	----
33407B	1/2 x 1/4	----
33408B	1/2 x 3/8	----
33410B	5/8 x 1/2	----



W

NYLON SPLICES

PART #	SIZE	
33079W	1/4 x 1/8	----
33347W	1/4 x 3/16	----
33406W	3/8 x 1/4	----
33348W	3/8 x 5/16	----
33407W	1/2 x 1/4	----
33408W	1/2 x 3/8	----
33409W	5/8 x 3/8	----
33410W	5/8 x 1/2	----
33089W	3/4 x 1/2	----

PLASTIC BARBS

PLASTIC FITTINGS

TEES BARBED ON ALL SIDES

B



POLYETHYLENE TEE

PART #	SIZE	
33415B	1/8	----
33418B*	3/16	----
33420B	3/16	----
33422B	1/4	----
33426B	5/16	----
33429B	3/8	----
33433B	1/2	----
33436B	5/8	----
33437B	3/4	----
33438B	1	----

P



POLYPROPYLENE TEE

PART #	SIZE	
33440P	1-1/2	----

ALL HOSE BARB "Y"

P



POLYPROPYLENE WYE

PART #	SIZE	
33300P*	1/4"	----
33301P*	3/8"	----
33302P*	1/2"	----

**Natural Polypro*

W



NYLON WYE

PART #	SIZE	
33301W	3/8"	----

W



NYLON TEE

PART #	SIZE	
33415W	1/8	----
33417W	5/32	----
33420W	3/16	----
33422W	1/4	----
33426W	5/16	----
33429W	3/8	----
33433W	1/2	----
33436W	5/8	----
33437W	3/4	----
33438W	1	----
33439W	1-1/4	----
33440W	1-1/2	----
33441W	2	----

REDUCING TEES

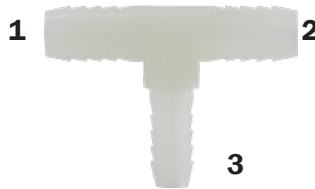
B



POLYETHYLENE TEE

PART #	SIZE	
33430B	1/2 x 1/2 x 3/8	----
33434B	1/2 x 1/2 x 5/8	----
33435B	3/4 x 3/4 x 1/2	----

W



NYLON TEE

PART #	SIZE	
33430W	1/2 x 1/2 x 3/8	----
33431W	5/8 x 5/8 x 3/8	----
33432W	3/8 x 3/8 x 1/2	----
33435W	3/4 x 3/4 x 1/2	----

MALE BRANCH TEE

W



NYLON BRANCH TEE

PART #	SIZE	
33448W	1/4 x 1/4	----
33450W	3/8 x 1/4	----
33451W	3/8 x 3/8	----
33454W	1/2 x 3/8	----
33455W	1/2 x 1/2	----
33456W	3/4 x 3/4	----

PLASTIC GARDEN HOSE

PLASTIC FITTINGS

GARDEN HOSE

PLASTIC GARDEN HOSE FITTINGS

FITTINGS WITH GARDEN HOSE THREAD

GARDEN HOSE CAP

• Washer not included



• White Nylon

P

PART #	SIZE	
30103P	3/4"	----

GARDEN HOSE THREAD ADAPTERS

BARB X MALE GARDEN HOSE



• White Nylon

PART #	SIZE	
31038	1/4"	----
31039	3/8"	----
31040	1/2"	----
31041	5/8"	----
31042	3/4"	----

GARDEN HOSE ADAPTER INSERTS

• for assembly with 31-022



• White Nylon

PART #	SIZE	
31030	1/4"	----
31031	3/8"	----
31032	1/2"	----
31033	5/8"	----
31034	3/4"	----

GARDEN HOSE NUT



• White Nylon

PART #	SIZE	
31022	3/4"	----

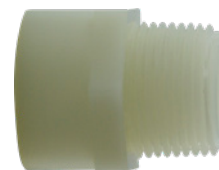
MALE GARDEN HOSE X FEMALE PIPE



• White Nylon

PART #	SIZE	
31067	MGH X 1/4	----
31068	MGH X 1/2 FIP	----
31069	MGH X 3/4	----

FEMALE GARDEN HOSE X MALE PIPE



• White Nylon

PART #	SIZE	
31093	FGH X 3/4 MPT	----
31095	FGH X 3/4 MGH	----

FEMALE GARDEN HOSE X FEMALE PIPE



• White Nylon

PART #	SIZE	
31096	FGH X 1/2 FIP	----
31097	FGH X 3/4 FIP	----

MALE GARDEN HOSE X MALE PIPE



• White Nylon

PART #	SIZE	
31055	GHT X 3/8 MPT	----
31058	GHT X 1/2 MPT	----
31063	GHT X 3/4 MPT	----
31064	GHT X 1 MPT	----



VIEW PRICING AND AVAILABLE STOCK ONLINE

PLASTIC COMPRESSION

PLASTIC FITTINGS

PLASTIC COMPRESSION FITTINGS

Corrosion resistant thermoresins designed to resist vibration, provide good electrical insulation, low flow resistance, and resistance to scale buildup.

The letter on the end of part no. denotes the type.

N = Nylon

P = Polypropylene

Standard nut and sleeves will be provided (sleeve is integral part of nut). Other sizes available upon request.

FDA and NSF Listed

UNION & REDUCING UNION CONNECTORS

P



PART #	SIZE	
17064P	1/4"	----
17066P	3/8"	----
17079P	3/8" x 1/4"	----
17068P	1/2"	----
17081P	1/2" x 3/8"	----

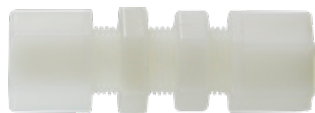
• Nylon



PART #	SIZE	
17064N	1/4"	----
17065N	5/16"	----
17078N	5/16" x 1/4"	----
17066N	3/8"	----
17079N	3/8" x 1/4"	----
17068N	1/2"	----

BULKHEAD UNIONS

• Nylon



PART #	SIZE	
17088N	1/4"	----
17090N	3/8"	----
17091N	1/2"	----

• SEE MIDLANDINDUSTRIES.COM FOR MORE SIZES

UNION TEES



• Nylon

PART #	SIZE	
17103N	1/4"	----
17105N	3/8"	----
17106N	1/2"	----

UNION ELBOWS

P



PART #	SIZE	
17124P	1/4"	----
17126P	3/8"	----
17127P	1/2"	----

• Nylon



PART #	SIZE	
17124N	1/4"	----
17126N	3/8"	----

FEMALE CONNECTORS

P



PART #	SIZE	
17145P	1/4 x 1/8	----
17153P	3/8 x 1/4	----
17154P	3/8 x 3/8	----
17158P	1/2 x 3/8	----
17159P	1/2 x 1/2	----

• Nylon



PART #	SIZE	
17146N	1/4 x 1/4	----
17153N	3/8 x 1/4	----

MALE CONNECTORS

P



PART #	SIZE	
17179P	1/4 x 1/8	----
17180P	1/4 x 1/4	----
17188P	3/8 x 1/4	----
17189P	3/8 x 3/8	----
17190P	3/8 x 1/2	----
17193P	1/2 x 1/4	----
17194P	1/2 x 3/8	----
17195P	1/2 x 1/2	----

• Nylon



PART #	SIZE	
17176N	1/8 x 1/8"	----
17179N	1/4 x 1/8	----
17180N	1/4 x 1/4	----
17188N	3/8 x 1/4	----
17189N	3/8 x 3/8	----
17190N	3/8 x 1/2	----
17193N	1/2 x 1/4	----
17194N	1/2 x 3/8	----
17195N	1/2 x 1/2	----

MALE ELBOWS

P



PART #	SIZE	
17225P	1/4 x 1/4	----
17233P	3/8 x 1/4	----
17234P	3/8 x 3/8	----
17237P	1/2 x 3/8	----
17238P	1/2 x 1/2	----

• Nylon



PART #	SIZE	
17224N	1/4 x 1/8	----
17225N	1/4 x 1/4	----
17233N	3/8 x 1/4	----
17234N	3/8 x 3/8	----
17237N	1/2 x 3/8	----
17238N	1/2 x 1/2	----

PLASTIC PUSH-IN

PLASTIC FITTINGS

PLASTIC PUSH-IN TUBE FITTINGS

Manufactured from safe, non-toxic materials meeting the requirements of the US FDA, WRAS, ANSI/NSF-51, 61, and SK Zert. Our products are widely used in water purification, food/beverage and pneumatic systems.

- **Function & Quality :** provides quick and convenient assembly - saving time & expense. Our ISO9001, 14001 registered quality system ensures our customers a superior level of product quality. Defects are easily detectable and maintenance is easy with its easy dismantling for access.
- **Collet Design :** Unique oval collet design is superior and more practical.
- **Applications :** Beyond water and food use, fittings can be used with air, gases, vacuum, & liquids. And all connections can be assembled & disassembled repeatedly.
- **Material :** Grey Acetal Copolymer, also known as POM. Highly durable and resistant to fatigue and creep. It has high resistance to a wide range of organic & inorganic chemicals and detergents. Not recommended for use with strong acids or repeated exposure to strong oxidizers. (polypropylene may be subbed)

Temperature	SIZE	Small Size					Large Size						
		5/32"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	7/8"	1"	1 1/8"		
		4mm	5mm	6mm	8mm	10mm	12mm	15mm	16mm	18mm	22mm	28mm	
1°C (34°F)		16bar (230PSI)					11bar (170PSI)		11bar (170PSI)				
20°C (68°F)		16bar (230PSI)					11bar (170PSI)		11bar (170PSI)				
65°C (150°F)		10bar (150PSI)					7bar (100PSI)		7bar (100PSI)				

- Fittings are not recommended for use with liquids other than water and food or beverage products.
- Do not use pipe dope or other liquid thread sealers. Use only Teflon tape to seal threaded connections.
- After assembling a tube connection, tug with moderate force to check for proper gripping of the tube.
- Before disassembling tube connections, always verify that pressure has been removed from the system.

UNION CONNECTOR



PART #	TUBE OD	
20018P	5/32"	----
20019P	1/4"	----
20020P	3/8"	----
20021P	1/2"	----

UNION TEE



PART #	TUBE OD	
20028P	1/4"	----
20029P	3/8"	----
20030P	1/2"	----

UNION ELBOW



PART #	TUBE OD	
20152P	1/4"	----
20153P	3/8"	----
20154P	1/2"	----

REDUCING UNION



PART #	TUBE OD	TUBE OD	
20750P	1/4"	3/16"	----
20755P	3/8"	1/4"	----
20756P	3/8"	5/16"	----
20758P	1/2"	3/8"	----

REDUCING BRANCH TEE



PART #	TUBE OD 1	TUBE OD 2	
20725P	3/8"	1/4"	----
20724P	1/2"	3/8"	----

REDUCING ELBOW



PART #	TUBE OD	TUBE OD	
20734P	3/8"	1/4"	----
20736P	1/2"	3/8"	----

BULKHEAD UNION



PART #	TUBE OD	
20127P	1/4"	----
20128P	3/8"	----
20129P	1/2"	----

PLASTIC PUSH-IN

PLASTIC FITTINGS

FEMALE CONNECTOR



Female Pipe

PART #	TUBE OD	THREAD NPTF	
20993P	1/4"	1/8"	----
20035P	1/4"	1/4"	----
20944P	3/8"	1/8"	----
20036P	3/8"	1/4"	----



Female Flare

PART #	TUBE OD	FE FLARE	
20936P	1/4"	1/4"	----
20937P	3/8"	1/4"	----
20938P	3/8"	3/8"	----



Female UNS Cone Type

PART #	TUBE OD	UNS	
20939P	1/4"	7/16"	----
20940P	3/8"	7/16"	----



Female Comp

PART #	TUBE OD	FE COMP	
20941P	3/8"	9/16-24"	----



20-152P + 20-525P = 20-964P

MALE CONNECTOR



Male Pipe

PART #	TUBE OD	THREAD NPTF	
20050P	5/32"	1/8"	----
20054P	1/4"	1/8"	----
20055P	1/4"	1/4"	----
20056P	1/4"	3/8"	----
20057P	3/8"	1/8"	----
20058P	3/8"	1/4"	----
20059P	3/8"	3/8"	----
20062P	3/8"	1/2"	----
20061P	1/2"	3/8"	----
20063P	1/2"	1/2"	----



Male BSP

AMCB

PART #	TUBE OD	BSP	
20958P	3/8"	3/8"	----



AMCF

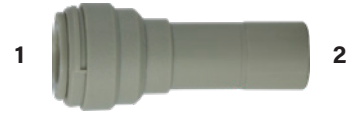
PART #	TUBE OD	MALE FLARE	
20960P	3/8"	1/4"	----
20961P	3/8"	1/2"	----

STEM ADAPTER



Part #	stem OD	Thread NPTF	
20524P	1/4"	1/8"	----
20525P	1/4"	1/4"	----
20528P	3/8"	1/4"	----
20529P	3/8"	3/8"	----

REDUCER



PART #	TUBE OD 1	STEM OD 2	
20512P	3/8"	1/4"	----
20763P	3/8"	5/16"	----
20514P	1/2"	3/8"	----

TUBE BARB CONNECTOR



ATBC

PART #	STEM OD	HOSE BARB ID	
20964P	1/4"	1/4"	----
20965P	3/8"	1/4"	----
20966P	3/8"	3/8"	----
20967P	3/8"	1/2"	----
20968P	1/2"	3/8"	----
20969P	1/2"	1/2"	----

FIXED ELBOW



Part #	Tube OD	Thread NPTF	
20068P	1/4"	1/8"	----
20069P	1/4"	1/4"	----
20070P	1/4"	3/8"	----
20072P	3/8"	1/4"	----
20073P	3/8"	3/8"	----

SWIVEL ELBOW

Union Elbow + Stem Adapter



AMES

PART #	STEM OD	TUBE ID	
20973P	1/4"	1/4"	----
20974P	3/8"	3/8"	----

PLASTIC PUSH-IN

PLASTIC FITTINGS

PLUG-IN ELBOW



PART #	TUBE OD	STEM	
20740P	5/32"	5/32"	----
20742P	1/4"	1/4"	----
20745P	3/8"	1/4"	----
20747P	3/8"	3/8"	----
20748P	1/2"	1/2"	----

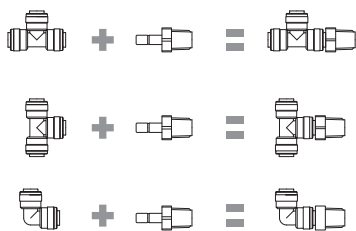
TUBE ELBOW BARB CONNECTOR



PART #	STEM OD	HB ID	
20970P	1/4"	1/4"	----
20971P	3/8"	1/4"	----
20972P	3/8"	3/8"	----

ADAPTABILITY

- For maximum flexibility, fittings may be combined to provide wider functions.
- Unlike some competitors products, separation and reuse is easy.



2-WAY DIVIDER



PART #	TUBE OD	LIST PRICE
20775P	1/4"	----
20776P	5/16"	----
20777P	3/8"	----

PLUG



PART #	TUBE OD	
20876P	5/32"	----
20878P	1/4"	----
20880P	3/8"	----
20881P	1/2"	----

TUBE END STOP



PART #	TUBE OD	
20925P	1/4"	----
20927P	3/8"	----



AFAN

Female Garden Hose

Tube

PART #	TUBE OD	FGH	
20950P	1/4"	3/4"	----
20951P	3/8"	3/4"	----



AFAB

Female BSP

Tube

PART #	TUBE OD	BSP	
20953P	1/4"	1/2"	----
20954P	1/4"	3/4"	----
20955P	3/8"	3/4"	----
20956P	5/8"	3/4"	----

PL X PL



PART #	TUBE OD	
20900P	1/4"	----
20901P	3/8"	----

PL X MALE NPTF



PART #	TUBE OD	MALE THREAD NPTF	
20904P	1/4"	1/4"	----
20905P	3/8"	3/8"	----

PLASTIC PUSH-IN

PLASTIC FITTINGS

CHECK VALVE



PART #	TUBE OD	
20778P	1/4"	----
20779P	3/8"	----

STOP VALVES

CONNECTOR: Flows in both directions by connection.

DISCONNECTOR: Stop flows in both directions by with separation where pulling to the open position.



ASTVBU

PART #	TUBE OD	
20910P	1/4"	----

LOCKING CLIP



ALC

PART #	TUBE OD	
20975P	1/4"	----
20976P	3/8"	----
20977P	1/2"	----

FLOW BEND CLIP



AFBC

PART #	TUBE OD	
20980P	1/4"	----
20981P	3/8"	----

SPANNER



PART #	SIZES	
20983P	3/16, 1/4, 5/16 3/8, 1/2	----

STOP & FAUCET ADAPTER VALVES

AV range of Stop & Faucet Valve Adaptor valves and Slip Tee Valves are manufactured in white Polypropylene, reinforced plastic with EPDM O-rings which provides value-added advantages in the installation of water supply line mainly.

AV range of Stop & Faucet Valve Adaptors and Slip Tee Valves are designed for use in drinking water systems, Refrigerators, Ice-Makers, Humidifiers and Water filtration applications, etc.,. Our valves offer greater efficiency than any traditional valves.

AV valves have been approved in NSF/ANSI 61 & 372.

AV range is 1/4" Turn valves.

STOP VALVE ADAPTER



3/8 MALE COMP X
3/8 FEMALE COMP

PART #	TUBE OD	
20985P	1/4"	----
20986P	3/8"	----

SLIPTEE VALVE



PART #	RUN X RUN	BRANCH	
20988P	5/8"	1/4"	----
20989P	5/8"	3/8"	----
20990P	7/8"	1/4"	----

HOSE ACCESSORIES



CAM AND GROOVE



ALUMINIUM



POLYPROPYLENE



STAINLESS STEEL



BRASS

COMBINATION HOSE NIPPLES



FIRE HOSE FITTINGS



UNIVERSAL/ GROUND JOINT COUPLINGS



ALUMINUM CAM AND GROOVE

HOSE ACCESSORIES

cam and groove**MALE ADAPTER X FEMALE NPT
TYPE A**CGA
6191X

PART#	SIZE	
CGA-050-A1	1/2"	----
CGA-075-A1	3/4"	----
CGA-100-A1	1"	----
CGA-125-A1	1-1/4"	----
CGA-150-A1	1-1/2"	----
*CGA-200-A1	2"	----
CGA-250-A1	2-1/2"	----
*CGA-300-A1	3"	----
*CGA-400-A1	4"	----
CGA-500-A1	5"	----
CGA-600-A1	6"	----
CGA-800-A1	8"	----
CGA-1000-A	10"	----

**FEMALE COUPLER X HOSE SHANK
TYPE C**CGC
6193X

PART#	SIZE	
CGC-050-A1	1/2"	----
CGC-075-A1	3/4"	----
CGC-100-A1	1"	----
CGC-125-A1	1-1/4"	----
CGC-150-A1	1-1/2"	----
*CGC-200-A1	2"	----
CGC-250-A1	2-1/2"	----
*CGC-300-A1	3"	----
*CGC-400-A1	4"	----
CGC-500-A1	5"	----
CGC-600-A1	6"	----
CGC-800-A1	8"	----
CGC-1000-A	10"	----

**FEMALE COUPLER X MALE NPT
TYPE B**CGB
6192X

PART#	SIZE	
CGB-050-A1	1/2"	----
CGB-075-A1	3/4"	----
CGB-100-A1	1"	----
CGB-125-A1	1-1/4"	----
CGB-150-A1	1-1/2"	----
CGB-200-A1	2"	----
CGB-250-A1	2-1/2"	----
CGB-300-A1	3"	----
*CGB-400-A1	4"	----
CGB-500-A1	5"	----
CGB-600-A1	6"	----
CGB-800-A1	8"	----
CGB-1000-A	10"	----

**FEMALE COUPLER X FEMALE NPT
TYPE D**CGD
6194X

PART#	SIZE	
CGD-050-A1	1/2"	----
CGD-075-A1	3/4"	----
CGD-100-A1	1"	----
CGD-125-A1	1-1/4"	----
CGD-150-A1	1-1/2"	----
*CGD-200-A1	2"	----
CGD-250-A1	2-1/2"	----
*CGD-300-A1	3"	----
*CGD-400-A1	4"	----
CGD-500-A1	5"	----
CGD-600-A1	6"	----
CGD-800-A1	8"	----
CGD-1000-A	10"	----

*Ductile Iron in Houston

ALL IN STOCK IN HOUSTON AND KANSAS CITY

ALUMINUM CAM AND GROOVE

HOSE ACCESSORIES

MALE ADAPTER X HOSE SHANK

TYPE E



CGE
61-95X

PART#	SIZE	
CGE-050-A1	1/2"	----
CGE-075-A1	3/4"	----
CGE-100-A1	1"	----
CGE-125-A1	1-1/4"	----
CGE-150-A1	1-1/2"	----
*CGE-200-A1	2"	----
CGE-250-A1	2-1/2"	----
*CGE-300-A1	3"	----
*CGE-400-A1	4"	----
CGE-500-A1	5"	----
CGE-600-A1	6"	----
CGE-800-A1	8"	----
CGE-1000-A	10"	----

DUST CAP

TYPE DC



CDC
61-97X

PART#	SIZE	
CDC-050-A1	1/2"	----
CDC-075-A1	3/4"	----
CDC-100-A1	1"	----
CDC-125-A1	1-1/4"	----
CDC-150-A1	1-1/2"	----
*CDC-200-A1	2"	----
CDC-250-A1	2-1/2"	----
*CDC-300-A1	3"	----
*CDC-400-A1	4"	----
CDC-500-A1	5"	----
CDC-600-A1	6"	----
CDC-800-A1	8"	----
CDC-1000-A	10"	----

MALE ADAPTER X MALE NPT

TYPE F



CGF
61-96X

PART#	SIZE	
CGF-050-A1	1/2"	----
CGF-075-A1	3/4"	----
CGF-100-A1	1"	----
CGF-125-A1	1-1/4"	----
CGF-150-A1	1-1/2"	----
*CGF-200-A1	2"	----
CGF-250-A1	2-1/2"	----
CGF-300-A1	3"	----
*CGF-400-A1	4"	----
CGF-500-A1	5"	----
CGF-600-A1	6"	----
CGF-800-A1	8"	----
CGF-1000-A	10"	----

DUST PLUG

TYPE DP



CDP
61-98X

PART#	SIZE	
CDP-050-A1	1/2"	----
CDP-075-A1	3/4"	----
CDP-100-A1	1"	----
CDP-125-A1	1-1/4"	----
CDP-150-A1	1-1/2"	----
CDP-200-A1	2"	----
CDP-250-A1	2-1/2"	----
CDP-300-A1	3"	----
CDP-400-A1	4"	----
CDP-500-A1	5"	----
CDP-600-A1	6"	----
CDP-800-A1	8"	----
CDP-1000-A	10"	----

*Ductile Iron in Houston

ALL IN STOCK IN HOUSTON AND KANSAS CITY

ALUMINUM CAM AND GROOVE

HOSE ACCESSORIES

ALUMINUM (AL) SPOOL & PART A**MALE ADAPTER X MALE ADAPTER
ALUMINUM
SPOOL ADAPTER**SA-XXX-A
61910

PART#	SIZE	PART#	
SA-100-A	1"	61872	----
SA-150-A	1-1/2"	*61873	----
SA-200-A	2"	*61874	----
SA-2030-A	2" x 3"	*61875	----
SA-250-A	2-1/2"	61876	----
SA-300-A	3"	*61877	----
SA-3040-A	3" x 4"	*61878	----
SA-400-A	4"	*61879	----

**REDUCER ADAPTER FEMALE
NPT ALUMINUM**

CGA-XXX-A

MALE ADAPTER X FEMALE PIPE

PART#	SIZE	PART#	
CGA-1520-A	1-1/2" x 2"		----
CGA-2015-A	2" x 1-1/2"		----
CGA-2030-A	2" x 3"	*61-851	----
CGA-3040-A	3" x 4"	*61-853	----
CGA-4030-A	4" x 3"	*61-854	----
*CGA-6040-A	6" x 4"		----

ALUMINUM SWIVEL

PART#	SIZE	
CGASV-300-A	3"	----
CGASV-400-A	4"	----

*IN STOCK IN HOUSTON

**REDUCER COUPLER M NPT
PART B**

CGB-XXX-A

FEMALE COUPLER X MALE PIPE

PART#	SIZE	PART#	
CGB-3020-A	3" x 2"	61859	----
CGB-3040-A	3" x 4"	*61860	----
CGB-4030-A	4" x 3"	*61861	----

**ALUMINUM 90°
PART C**

PART#	SIZE	
CGC-1590-A	1-1/2"	----
CGC-2090-A	2"	----

**REDUCER COUPLER SHANK
PART C**

CGC

PART#	SIZE	
CGC-2015-A	2" x 1-1/2"	----
CGC-3020-A	3" x 2"	----
CGC-3025-A	3" x 2-1/2"	----
CGC-4030-A	4" x 3"	----

ALUMINUM CAM AND GROOVE

HOSE ACCESSORIES

REDUCER COUPLER ADAPTER PART D



DA-XXX-A

FEMALE COUPLER X MALE ADAPTER

PART#	SIZE	PART#	
DA-1510-A	1-1/2" x 1"	619001	----
DA-1520-A	1-1/2" x 2"	*619002	----
DA-2015-A	2" x 1-1/2"	*619003	----
DA-2030-A	2" x 3"	*619004	----
DA-2040-A	2" x 4"	619005	----
DA-3015-A	3" x 1-1/2"	619006	----
DA-3020-A	3" x 2"	*619007	----
DA-3040-A	3" x 4"	*619008	----
DA-4020-A	4" x 2"	*619009	----
DA-4030-A	4" x 3"	*619010	----
DA-4060-A	4" x 6"	*619011	----
DA-6040-A	6" x 4"	*619012	----

REDUCER COUPLER FEMALE NPT PART D



CGD

FEMALE COUPLER X FEMALE PIPE

PART#	SIZE	PART#	
CGD-1510-A	1-1/2" x 1"	61865	----
CGD-2015-A	2" x 1-1/2"	61866	----
CGD-3020-A	3" x 2"	61867	----
CGD-4030-A	4" x 3"	61868	----

SPOOL COUPLER PART D



DD

FEMALE COUPLER X FEMALE COUPLER

PART#	SIZE	PART#	
*DD-1515-A	1-1/2" x 1-1/2"	*619440	----
*DD-2020-A	2" x 2"	*619450	----
*DD-2030-A	2" x 3"		----
*DD-3030-A	3" x 3"	*619470	----
*DD-3040-A	3" x 4"		----
*DD-4040-A	4" x 4"	*619480	----

*IN STOCK IN HOUSTON

SWIVEL PART D



FEMALE COUPLER X FEMALE PIPE

CGDSV

PART#	SIZE	
*CGDSV-300-A	3"	----
*CGDSV-400-A	4"	----

REDUCER ADAPTER MALE NPT PART F



CGF

MALE ADAPTER X MIP

Part#	Size		
CGF-1520-A	1-1/2" x 2"		----
*CGF-2030-A	2" x 3"		----
*CGF-3020-A	3" x 2"	61870	----
*CGF-3040-A	3" x 4"	61871	----
CGF-4030-A	4" x 3"		----
CGF-4060-A	4" x 6"		----

*IN STOCK IN HOUSTON

POLY CAM AND GROOVE

HOSE ACCESSORIES

POLYPROPYLENE (PP)

MALE ADAPTER X FEMALE NPT TYPE A



35-91X

PART#	SIZE	
CGA-050-PP	1/2"	----
CGA-075-PP	3/4"	----
CGA-100-PP	1"	----
CGA-125-PP	1-1/4"	----
CGA-150-PP	1-1/2"	----
*CGA-200-PP	2"	----
CGA-300-PP	3"	----
CGA-400-PP	4"	----

FEMALE COUPLER X HOSE SHANK TYPE C



CGC
35-93X

PART#	SIZE	
CGC-050-PP	1/2"	----
CGC-075-PP	3/4"	----
CGC-100-PP	1"	----
CGC-125-PP	1-1/4"	----
CGC-150-PP	1-1/2"	----
*CGC-200-PP	2"	----
*CGC-300-PP	3"	----
CGC-400-PP	4"	----

FEMALE COUPLER X MALE NPT TYPE B



CGB
35-92X

PART#	SIZE	
CGB-050-PP	1/2"	----
CGB-075-PP	3/4"	----
CGB-100-PP	1"	----
CGB-125-PP	1-1/4"	----
CGB-150-PP	1-1/2"	----
*CGB-200-PP	2"	----
*CGB-300-PP	3"	----
CGB-400-PP	4"	----

FEMALE COUPLER X FEMALE NPT TYPE D



35-94X

PART#	SIZE	
CGD-050-PP	1/2"	----
CGD-075-PP	3/4"	----
CGD-100-PP	1"	----
CGD-125-PP	1-1/4"	----
CGD-150-PP	1-1/2"	----
*CGD-200-PP	2"	----
CGD-300-PP	3"	----
CGD-400-PP	4"	----

*IN STOCK IN HOUSTON

ALL IN STOCK IN HOUSTON AND KANSAS CITY

POLYPROPYLENE CAM AND GROOVE

HOSE ACCESSORIES

MALE ADAPTER X HOSE SHANK TYPE E



35-95X

PART#	SIZE	
CGE-050-PP	1/2"	----
CGE-075-PP	3/4"	----
CGE-100-PP	1"	----
CGE-125-PP	1-1/4"	----
CGE-150-PP	1-1/2"	----
*CGE-200-PP	2"	----
*CGE-300-PP	3"	----
CGE-400-PP	4"	----

MALE ADAPTER X MALE NPT TYPE F



35-96X

PART#	SIZE	
CGF-050-PP	1/2"	----
CGF-075-PP	3/4"	----
CGF-100-PP	1"	----
CGF-125-PP	1-1/4"	----
CGF-150-PP	1-1/2"	----
*CGF-200-PP	2"	----
*CGF-300-PP	3"	----
CGF-400-PP	4"	----

DUST CAP TYPE DC



CDC
35-97X

PART#	SIZE	
CDC-050-PP	1/2"	----
CDC-075-PP	3/4"	----
CDC-100-PP	1"	----
CDC-125-PP	1-1/4"	----
CDC-150-PP	1-1/2"	----
*CDC-200-PP	2"	----
*CDC-300-PP	3"	----
CDC-400-PP	4"	----

DUST PLUG TYPE DP



CDP
35-98X

PART#	SIZE	
CDP-050-PP	1/2"	----
CDP-075-PP	3/4"	----
CDP-100-PP	1"	----
CDP-125-PP	1-1/4"	----
CDP-150-PP	1-1/2"	----
CDP-200-PP	2"	----
CDP-300-PP	3"	----
CDP-400-PP	4"	----

*IN STOCK IN HOUSTON



USE OUR TEXT LINE **855-609-3729** TO COMMUNICATE WITH MIDLAND MORE CONVENIENTLY



STAINLESS STEEL CAM AND GROOVE #316

HOSE ACCESSORIES

MALE ADAPTER X FEMALE NPT TYPE A



CGA
6391X

PART#	SIZE	
CGA-050-SS1	1/2"	----
*CGA-075-SS1	3/4"	----
*CGA-100-SS1	1"	----
*CGA-125-SS1	1-1/4"	----
*CGA-150-SS1	1-1/2"	----
*CGA-200-SS1	2"	----
*CGA-250-SS1	2-1/2"	----
*CGA-300-SS1	3"	----
*CGA-400-SS1	4"	----
*CGA-500-SS1	5"	----
CGA-600-SS1	6"	----
CGA-800-SS1	8"	----

FEMALE COUPLER X HOSE SHANK TYPE C



CGC
6393X

PART#	SIZE	
CGC-050-SS1	1/2"	----
*CGC-075-SS1	3/4"	----
*CGC-100-SS1	1"	----
*CGC-125-SS1	1-1/4"	----
*CGC-150-SS1	1-1/2"	----
*CGC-200-SS1	2"	----
CGC-250-SS1	2-1/2"	----
*CGC-300-SS1	3"	----
*CGC-400-SS1	4"	----
CGC-500-SS1	5"	----
*CGC-600-SS1	6"	----
CGC-800-SS1	8"	----

FEMALE COUPLER X MALE NPT TYPE B



CGB
6392X

PART#	SIZE	
CGB-050-SS1	1/2"	----
*CGB-075-SS1	3/4"	----
*CGB-100-SS1	1"	----
CGB-125-SS1	1-1/4"	----
*CGB-150-SS1	1-1/2"	----
*CGB-200-SS1	2"	----
CGB-250-SS1	2-1/2"	----
*CGB-300-SS1	3"	----
*CGB-400-SS1	4"	----
CGB-500-SS1	5"	----
CGB-600-SS1	6"	----
CGB-800-SS1	8"	----

FEMALE COUPLER X FEMALE NPT TYPE D



CGD
6394X

PART#	SIZE	
*CGD-050-SS1	1/2"	----
*CGD-075-SS1	3/4"	----
*CGD-100-SS1	1"	----
*CGD-125-SS1	1-1/4"	----
*CGD-150-SS1	1-1/2"	----
*CGD-200-SS1	2"	----
*CGD-250-SS1	2-1/2"	----
*CGD-300-SS1	3"	----
*CGD-400-SS1	4"	----
*CGD-500-SS1	5"	----
CGD-600-SS1	6"	----

8" AVAILABLE ONLINE

*IN STOCK IN HOUSTON

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



STAINLESS STEEL CAM AND GROOVE #316

HOSE ACCESSORIES

MALE ADAPTER X HOSE SHANK TYPE E



SA
6395X

PART#	SIZE	
CGE-050-SS1	1/2"	----
*CGE-075-SS1	3/4"	----
*CGE-100-SS1	1"	----
*CGE-125-SS1	1-1/4"	----
*CGE-150-SS1	1-1/2"	----
*CGE-200-SS1	2"	----
*CGE-250-SS1	2-1/2"	----
*CGE-300-SS1	3"	----
*CGE-400-SS1	4"	----
*CGE-500-SS1	5"	----
*CGE-600-SS1	6"	----
CGE-800-SS1	8"	----

DUST CAP TYPE DC



6397X

PART#	SIZE	
CDC-050-SS1	1/2"	----
*CDC-075-SS1	3/4"	----
*CDC-100-SS1	1"	----
CDC-125-SS1	1-1/4"	----
*CDC-150-SS1	1-1/2"	----
*CDC-200-SS1	2"	----
CDC-250-SS1	2-1/2"	----
*CDC-300-SS1	3"	----
*CDC-400-SS1	4"	----
CDC-500-SS1	5"	----
CDC-600-SS1	6"	----
CDC-800-SS1	8"	----

MALE ADAPTER X MALE NPT TYPE F



CGF
6396X

PART#	SIZE	
CGF-050-SS1	1/2"	----
*CGF-075-SS1	3/4"	----
*CGF-100-SS1	1"	----
CGF-125-SS1	1-1/4"	----
*CGF-150-SS1	1-1/2"	----
*CGF-200-SS1	2"	----
CGF-250-SS1	2-1/2"	----
*CGF-300-SS1	3"	----
*CGF-400-SS1	4"	----
CGF-500-SS1	5"	----
*CGF-600-SS1	6"	----
CGF-800-SS1	8"	----

DUST PLUG TYPE DP



6398X

PART#	SIZE	
*CDP-050-SS1	1/2"	----
*CDP-075-SS1	3/4"	----
*CDP-100-SS1	1"	----
CDP-125-SS1	1-1/4"	----
*CDP-150-SS1	1-1/2"	----
*CDP-200-SS1	2"	----
CDP-250-SS1	2-1/2"	----
*CDP-300-SS1	3"	----
*CDP-400-SS1	4"	----
CDP-600-SS1	6"	----
CDP-800-SS1	8"	----

*IN STOCK IN HOUSTON

STAINLESS STEEL CAM AND GROOVE #316

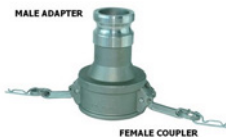
HOSE ACCESSORIES

**PART A SPOOL ADAPTER
STAINLESS**

PART#	SIZE	PART#	
SA-100-SS	1"	63850	----
SA-150-SS	1-1/2"	63851	----
SA-1520-SS	1-1/2" x 2"	63852	----
SA-200-SS	2"	63853	----
SA-2030-SS	2" x 3"	63854	----
SA-300-SS	3"	63855	----
SA-3040-SS	3" x 4"	63856	----
SA-400-SS	4"	63857	----

**PART D SPOOL COUPLER
STAINLESS 316**

PART#	SIZE	PART#	
*DD-1515-SS	1-1/2" x 1-1/2"	639440	----
*DD-2020-SS	2" x 2"	639450	----
*DD-2030-SS	2" x 3"		----
*DD-3030-SS	3" x 3"	639470	----
*DD-3040-SS	3" x 4"		----
*DD-4040-SS	4" x 4"	639480	----

**PART D REDUCER COUPLER
ADAPTER STAINLESS 316**

PART#	SIZE	PART#	
*DA-2030-SS	2" x 3"		----
*DA-3020-SS	3" x 2"	639002	----
*DA-3040-SS	3" x 4"		----
*DA-4030-SS	4" x 3"	639003	----
*DA-6040-SS	6" x 4"	639004	----

**PART D STAINLESS
90° ELBOW**

PART#	SIZE	
*CGD-2090-SS	2"	----

*IN STOCK IN HOUSTON

THE ELEPHANT ROPE

A gentleman was walking through an elephant camp, and he spotted that the elephants weren't being kept in cages or held by the use of chains.

All that was holding them back from escaping the camp, was a small piece of rope tied to one of their legs.

As the man gazed upon the elephants, he was completely confused as to why the elephants didn't just use their strength to break the rope and escape the camp. They could easily have done so, but instead, they didn't try to at all.

Curious and wanting to know the answer, he asked a trainer nearby why the elephants were just standing there and never tried to escape.

The trainer replied;
"when they are very young and much smaller we use the same size rope to tie them and, at that age, it's enough to hold them. As they grow up, they are conditioned to believe they cannot break away. They believe the rope can still hold them, so they never try to break free."

The only reason that the elephants weren't breaking free and escaping from the camp was that over time they adopted the belief that it just wasn't possible.

Moral of the story:
No matter how much the world tries to hold you back, always continue with the belief that what you want to achieve is possible. Believing you can become successful is the most important step in actually achieving it.

- UNKNOWN

BRASS CAM AND GROOVE

HOSE ACCESSORIES

BRASS

MALE ADAPTER X FEMALE NPT
TYPE A



4491X

PART#	SIZE	
CGA-050-B1	1/2"	----
*CGA-075-B1	3/4"	----
*CGA-100-B1	1"	----
CGA-125-B1	1-1/4"	----
CGA-150-B1	1-1/2"	----
*CGA-200-B1	2"	----
CGA-250-B1	2-1/2"	----
*CGA-300-B1	3"	----
*CGA-400-B1	4"	----
CGA-500-B1	5"	----
*CGA-600-B1	6"	----

FEMALE COUPLER X HOSE SHANK
TYPE C



4493X

PART#	SIZE	
CGC-050-B1	1/2"	----
*CGC-075-B1	3/4"	----
*CGC-100-B1	1"	----
CGC-125-B1	1-1/4"	----
CGC-150-B1	1-1/2"	----
*CGC-200-B1	2"	----
CGC-250-B1	2-1/2"	----
*CGC-300-B1	3"	----
*CGC-400-B1	4"	----
CGC-500-B1	5"	----
*CGC-600-B1	6"	----

FEMALE COUPLER X MALE NPT
TYPE B



4492X

PART#	SIZE	
CGB-050-B1	1/2"	----
*CGB-075-B1	3/4"	----
*CGB-100-B1	1"	----
CGB-125-B1	1-1/4"	----
*CGB-150-B1	1-1/2"	----
*CGB-200-B1	2"	----
CGB-250-B1	2-1/2"	----
*CGB-300-B1	3"	----
*CGB-400-B1	4"	----
CGB-500-B1	5"	----
CGB-600-B1	6"	----

*IN STOCK IN HOUSTON

FEMALE COUPLER X FEMALE NPT
TYPE D



4494X

PART#	SIZE	
CGD-050-B1	1/2"	----
*CGD-075-B1	3/4"	----
*CGD-100-B1	1"	----
*CGD-125-B1	1-1/4"	----
CGD-150-B1	1-1/2"	----
*CGD-200-B1	2"	----
CGD-250-B1	2-1/2"	----
*CGD-300-B1	3"	----
*CGD-400-B1	4"	----
CGD-500-B1	5"	----
*CGD-600-B1	6"	----

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HOSE ACCESSORIES

BRASS CAM AND GROOVE

HOSE ACCESSORIES

**MALE ADAPTER X HOSE SHANK
TYPE E**

4495X

PART#	SIZE	
CGE-050-B1	1/2"	----
*CGE-075-B1	3/4"	----
*CGE-100-B1	1"	----
*CGE-125-B1	1-1/4"	----
*CGE-150-B1	1-1/2"	----
*CGE-200-B1	2"	----
CGE-250-B1	2-1/2"	----
*CGE-300-B1	3"	----
*CGE-400-B1	4"	----
CGE-500-B1	5"	----
*CGE-600-B1	6"	----

**MALE ADAPTER X MALE NPT
TYPE F**

4496X

PART#	SIZE	
CGF-050-B1	1/2"	----
*CGF-075-B1	3/4"	----
*CGF-100-B1	1"	----
*CGF-125-B1	1-1/4"	----
*CGF-150-B1	1-1/2"	----
*CGF-200-B1	2"	----
CGF-250-B1	2-1/2"	----
*CGF-300-B1	3"	----
*CGF-400-B1	4"	----
CGF-500-B1	5"	----
CGF-600-B1	6"	----

*IN STOCK IN HOUSTON

**DUST CAP
TYPE DC**

4497X

PART#	SIZE	
CDC-050-B1	1/2"	----
*CDC-075-B1	3/4"	----
*CDC-100-B1	1"	----
CDC-125-B1	1-1/4"	----
CDC-150-B1	1-1/2"	----
*CDC-200-B1	2"	----
CDC-250-B1	2-1/2"	----
*CDC-300-B1	3"	----
*CDC-400-B1	4"	----
CDC-500-B1	5"	----
CDC-600-B1	6"	----

**DUST PLUG
TYPE DP**

4498X

PART#	SIZE	
CDP-050-B1	1/2"	----
*CDP-075-B1	3/4"	----
*CDP-100-B1	1"	----
CDP-125-B1	1-1/4"	----
CDP-150-B1	1-1/2"	----
*CDP-200-B1	2"	----
CDP-250-B1	2-1/2"	----
*CDP-300-B1	3"	----
*CDP-400-B1	4"	----
CDP-500-B1	5"	----
CDP-600-B1	6"	----

Brass Stool Adapter and Brass Type DA available online at www.midlandindustries.com

CRIMPLOK

SELF LOCKING CAM & GROOVE



STAINLESS STEEL &
ALUMINUM

UNIVERSAL FITTINGS

CRIMPLOCK KING NIPPLES



CRIMPLOK FERRULES - PLATED STEEL - STAINLESS STEEL ALUMINUM

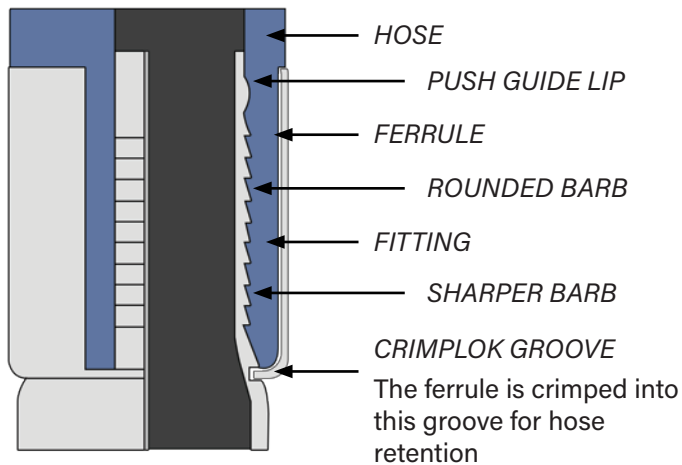


SOLID

DEPENDABLE

SAFE

FEATURES AND BENEFITS



Crimplok is the best way to ensure a perfect hose connection every time!

- All fittings have a Crimplok groove for the ferrule end the Lok into for a strong permanent seal.
- Serrations on the couplings and fittings are not as sharp at the top, but become sharper towards the Crimplok groove.
- The length of the barb and sleeve/ ferrule are matched for a safer, cleaner connection.
- Crimplok connections do not have sharp clamp buckles or edges
- Interchangeable with most market systems

CRIMPLOK

HOSE ACCESSORIES

ALUMINUM SELF LOCKING CAM & GROOVE

- Automatic Self-Locking Arms Prevent Accidental Disconnection
- Machined multi-serrated shank with interlocking groove
- Aluminum with Brass Self Locking Arms
- 316 Stainless with Investment Cast Self-Locking Arms
- Available in sizes 2" through 6"
- 2" @250 psi 3" & 4" @150 psi 6" @75 psi
- 6" @150 psi 4 arms
- Configurations
 - Dust Cap
 - Part B
 - Part C
 - Part D

Sample item code	Description
CDCSL-XXX-A1	X" DUST CAP ALUMINUM CRIMPLOK SELF LOCKING
CGBSL-XXX-A1	X" PART B ALUMINUM CRIMPLOK SELF LOCKING
CGCSL-XXXCR-A1	X" PART C ALUMINUM CRIMPLOK SELF LOCKING
CGDSL-XXX-A1	X" PART D ALUMINUM PRIMPLOK SELF LOCKING

Designed for use with Buchanan Crimp Sleeves and Interlocking Ferrules

FEMALE COUPLER X MALE NPT TYPE B



CGBSL

PART#	SIZE	NET
CGBSL-200-A1	2"	----
CGBSL-300-A1	3"	----
CGBSL-400-A1	4"	----
CGBSL-600-A1	6"	----

FEMALE COUPLER X FEMALE NPT TYPE D



CGDSL

PART#	SIZE	NET
CGDSL-200-A1	2"	----
CGDSL-300-A1	3"	----
CGDSL-400-A1	4"	----
CGDSL-600-A1	6"	----

FEMALE COUPLER X HOSE SHANK TYPE C



CGCSL

PART#	SIZE	NET
CGCSL-200CR-A1	2"	----
CGCSL-300CR-A1	3"	----
CGCSL-400CR-A1	4"	----
CGCSL-600CR-A1	6"	----
CGCSL-600CR-A4	6" w/4 arms	----

DUST CAP TYPE DC



CDCSL

PART#	SIZE	NET
CDCSL-200-A1	2"	----
CDCSL-300-A1	3"	----
CDCSL-400-A1	4"	----
CDCSL-600-A1	6"	----

STAINLESS STEEL SELF LOCKING CAM & GROOVE

- Automatic Self-Locking Arms Prevent Accidental Disconnection
- Machined multi-serrated shank with interlocking groove
- Aluminum with Brass Self Locking Arms
- 316 Stainless with Investment Cast Self-Locking Arms
- Available in sizes 2" through 6"
- 2" @250 psi 3" & 4" @150 psi 6" @75 psi
- 6" @150 psi 4 arms
- Configurations
 - Dust Cap
 - Part B
 - Part C
 - Part D

Sample item code	Description
CDCL-XXX-SS1	X" DUST CAP STAINLESS CRIMPLOK 316 SELF LOCKING
CGBSL-XXX-SS1	X" PART B STAINLESS CRIMPLOK 316 SELF LOCKING
CGCSL-XXXCR-SS1	X" PART C STAINLESS 316 CRIMPLOK SELF LOCKING
CGDSL-XXX-SS1	X" PART D STAINLESS CRIMPLOK 316 SELF LOCKING

Designed for use with Buchanan Crimp Sleeves and Interlocking Ferrules

FEMALE COUPLER X MALE NPT
TYPE B

CGBSL



PART#	SIZE	NET
CGBSL-200-SS1	2"	----
CGBSL-300-SS1	3"	----
CGBSL-400-SS1	4"	----
CGBSL-600-SS1	6"	----

FEMALE COUPLER X FEMALE NPT
TYPE D

CGDSL



PART#	SIZE	NET
CGDSL-200-SS1	2"	----
CGDSL-300-SS1	3"	----
CGDSL-400-SS1	4"	----
CGDSL-600-SS1	5"	----

FEMALE COUPLER X HOSE SHANK
TYPE C

CGCSL



PART#	SIZE	NET
CGCSL-200CR-SS1	2"	----
CGCSL-300CR-SS1	3"	----
CGCSL-400CR-SS1	4"	----
CGCSL-600CR-SS1	6"	----

DUST CAP
TYPE DC

CDCSL



PART#	SIZE	NET
CDCSL-200-SS1	2"	----
CDCSL-300-SS1	3"	----
CDCSL-400-SS1	4"	----
CDCSL-600-SS1	5"	----

CRIMPLOK

HOSE ACCESSORIES

CRIMPLOK ALUMINUM CAM & GROOVE COUPLINGS

TYPE C



PART#	SIZE	
CGC-150CR-A1	1-1/2"	----
CGC-200CR-A1	2"	----
CGC-250CR-A1	2-1/2"	----
CGC-300CR-A1	3"	----
CGC-400CR-A1	4"	----
CGC-600CR-A1	6"	----
CGC-800CS-A1	8"	----

TYPE E



PART#	SIZE	
CGE-150CR-A1	1-1/2"	----
CGE-200CR-A1	2"	----
CGE-250CR-A1	2-1/2"	----
CGE-300CR-A1	3"	----
CGE-400CR-A1	4"	----
CGE-600CR-A1	6"	----
CGE-800CS-A1	8"	----

Project Information: For use with CRIMPLOK Ferrules CF-XXXXX-SP

CRIMPLOK STAINLESS CAM & GROOVE COUPLINGS

TYPE C



PART#	SIZE	
CGC-100CR-SS1	1"	----
CGC-150CR-SS1	1-1/2"	----
CGC-200CR-SS1	2"	----
CGC-300CR-SS1	3"	----
CGC-400CR-SS1	4"	----

TYPE E



PART#	SIZE	
CGE-100CR-SS1	1"	----
CGE-150CR-SS1	1-1/2"	----
CGE-200CR-SS1	2"	----
CGE-300CR-SS1	3"	----
CGE-400CR-SS1	4"	----

Project Information: For use with CRIMPLOK Ferrules CF-XXXXX-SS304

HANDLES, RINGS AND PINS

HOSE ACCESSORIES

QUICKKLOK HANDLE FOR ALUMINUM, BRASS & SS



PART#	SIZE	
HSK2-200-SS	1-1/2"	----
HSK2-300-SS	3"	----

QUICKKLOK HANDLE FOR SS AND ALUMINUM



PART#	SIZE	
HSK5-200-SS	1-1/2-2"	----
HSK5-300-SS	3-4"	----

INVESTMENT CAST STAINLESS STEEL HANDLE, RING & PIN



PART#	SIZE	
61447	3/4"	----
61448	1"	----
61449	1-1/4" - 2-1/2"	----
61452	3" & 4"	----
61454	6"	----

FORGED BRASS HANDLE - RING & PIN STEEL



PART#	SIZE	
61455	3/4"	----
61450	1"	----
61451	1-1/4" - 2-1/2"	----
61453	3" & 4"	----
61457	6"	----

SAFETY CLIP



PART #	SIZE	
66015	1-1/4" - 2-1/2"	----

HANDLE + PIN + RING BRASS

GASKETS

HOSE ACCESSORIES

CAMLOCK GASKET EPDM

PART#	SIZE	
CG-050-EPDM	1/2"	----
CG-200-EPDM	2"	----
CG-300-EPDM	3"	----

CAMLOCK GASKET NBR

PART#	SIZE	
CG-075-NBR	3/4	----
CG-100-NBR	1	----
CG-125-NBR	1-1/4	----
CG-150-NBR	1-1/2	----
CG-200-NBR	2	----
CG-250-NBR	2-1/2	----
CG-300-NBR	3	----
CG-400-NBR	4	----
CG-500-NBR	5	----
CG-600-NBR	6	----
CG-800-NBR	8	----

CAMLOCK GASKET VITON

PART#	SIZE	
CG-050-VI	1/2	----
CG-075-VI	3/4	----
CG-100-VI	1	----
CG-125-VI	1-1/4	----
CG-150-VI	1-1/2	----
CG-200-VI	2	----
CG-250-VI	2-1/2	----
CG-300-VI	3	----
CG-400-VI	4	----

BUNA-N GASKET

PART#	SIZE	
BG50	1/2"	----
BG75	3/4"	----
BG100	1"	----
BG125	1-1/4"	----
BG150	1-1/2"	----
BG200	2"	----
BG250	2-1/2"	----
BG300	3"	----
BG400	4"	----
BG500	5"	----
BG600	6"	----
BG800	8"	----

SILICONE GASKET

PART#	SIZE	
SG300	3"	----
SG400	4"	----

VITON GASKET

PART#	SIZE	
VG100	1"	----
VG150	1-1/2"	----
VG200	2"	----
VG250	2-1/2"	----
VG300	3"	----



GO ONLINE TO UPLOAD YOUR LOGO TO UTILIZE ALL OF OUR CUSTOMIZABLE TOOLS!

KING NIPPLES

HOSE ACCESSORIES

COMBINATION NIPPLES

HOSE BARB X MALE PIPE

STEEL HOSE NIPPLES



CNT-XXX-S

▪ BLACK

(BARB X MALE PIPE)

PART #	HOSE SIZE	
*973850	1/2"	----
*973851	3/4"	----
*973852	1"	----
*973853	1-1/4"	----
*973854	1-1/2"	----
*973855	2"	----
*973856	2-1/2"	----
*973857	3"	----
*973858	4"	----
*CNT-600-S	6"	----
*973861	8"	----
*CNT-1200-S	12"	----

ZINC PLATED STEEL



CNT-XXX-SP

PART #	SIZE	
*973870	1/2"	----
*973871	3/4"	----
*973872	1"	----
*973873	1-1/4"	----
*973874	1-1/2"	----
*973875	2"	----
*973876	2-1/2"	----
*973877	3"	----
*973878	4"	----
*973879	5"	----
*973880	6"	----
*973881	8"	----
CNT-1200-SP	12"	----

COMBINATION NIPPLE 316 STAINLESS



CNT-XXX-S316

PART #	SIZE	
973697	1/4" 1/4"	
973698	3/8" x 3/8"	
973699	1/2" x 3/8"	
*973700	1/2"	----
*973701	3/4"	----
*973702	1"	----
973703	1-1/4"	----
*973704	1-1/2"	----
*973705	2"	----
973706	2-1/2"	----
973707	3"	----
973708	4"	----

*IN STOCK IN HOUSTON

ZINC PLATED STEEL EXPANDER & REDUCER



EXP
RED

HOSE X MIP

PART #	SIZE	
*973862	3/4 x 1	----
*973884	1 x 3/4	----
973863	1 x 1-1/4	----
*973885	1-1/4 x 1	----
*973886	1-1/4 x 1-1/2	----
*973887	1-1/2 x 1-1/4	----
*973864	1-1/2 x 2	----
*973888	2 x 1-1/2	----
*973859	2 x 2-1/2	----
*973869	2-1/2 x 2	----
*973865	2-1/2 x 3	----
*973867	3 x 2-1/2	----
*973866	3 x 4	----
*973868	4 x 3	----

*IN STOCK IN HOUSTON



HELP US HELP YOU! GO ONLINE TO UPDATE YOUR CUSTOMER PROFILE SO THAT WE CAN UPDATE ALL THE APPROPRIATE DEPARTMENTS AND PERSONNEL AT YOUR COMPANY ON NEW CATALOGS, PRICING UPDATES, NEW MARKETING TOOLS, AND OTHER IMPORTANT INFORMATION. THANK YOU!

KING NIPPLES

HOSE ACCESSORIES

**COMBINATION NIPPLES
HOSE BARB X MALE PIPE**

BRASS



CNT-XXX-B

▪ LEAD FREE

PART #	SIZE	
973600	1/2"	----
973601	3/4"	----
973602	1"	----
973603	1-1/4"	----
973604	1-1/2"	----
973605	2"	----
973606	2-1/2"	----
973607	3"	----
CNT-400-B	4"	----

ALUMINUM



CNT-XXX-A

PART #	SIZE	
973620	1/2"	----
973621	3/4"	----
973622	1"	----
973623	1-1/4"	----
973624	1-1/2"	----
*973625	2"	----
*973626	2-1/2"	----
*973627	3"	----
*973628	4"	----

*IN STOCK IN HOUSTON

**victaulic grooved
combination nipples**COMBINATION NIPPLE PLAIN STEEL
VICTAULIC GROOVED

CNG-S

PART #	HOSE SIZE	
*CNG-200-S	2"	----
*CNG-300-S	3"	----
*CNG-400-S	4"	----
*CNG-600-S	6"	----

COMBINATION NIPPLE
PLATED VICTAULIC GROOVED

PART#	SIZE	
CNG-150-SP	1-1/2"	----
*CNG-200-SP	2"	----
CNG-250-SP	2-1/2"	----
CNG-300-SP	3"	----
*CNG-400-SP	4"	----
CNG-500-SP	5"	----
*CNG-600-SP	6"	----



SEE WEBSITE TO DOWNLOAD YOUR MOST UPDATED PRICING

CRIMPLOK
HOSE ACCESSORIES

CRIMPLOK CRIMP UNIVERSAL FITTINGS



PART#	SIZE	MAX OPERATING PSI 70F	
FHE-075-MP	3/4	150	----
HE-050CF-SP	1/2	150	----
HE-075CF-SP	3/4	150	----
HE-075CR-SP	3/4	150	----
HE-100CF-SP	1	150	----
HE-100CR-SP	1	150	----
HE-101CF-SP	1	150	----

HIGH PRESSURE FEMALE STEM



PART#	SIZE	
GJS-050CR-SP	1/2	----
GJS-075CR-SP	3/4	----
GJS-100CR-SP	1	----
GJS-125CR-SP	1-1/4	----
GJS-150CR-SP	1-1/2	----
GJS-200CR-SP	2	----
GJS-250CR-SP	2-1/2	----
GJS-300CR-SP	3	----
GJS-400CR-SP	4	----

HIGH PRESSURE MALE STEM



PART#	SIZE	
GJM-050CR-SP	1/2	----
GJM-075CR-SP	3/4	----
GJM-100CR-SP	1	----
GJM-125CR-SP	1-1/4	----
GJM-150CR-SP	1-1/2	----
GJM-200CR-SP	2	----
GJM-250CR-SP	2-1/2	----
GJM-300CR-SP	3	----
GJM-400CR-SP	4	----

CRIMPLOK KING NIPPLES

HOSE ACCESSORIES

**CRIMPLOK CRIMP COMBINATION
NIPPLES PLATED STEEL**

PART#	SIZE	
*CNT-100CR-SP	1"	----
*CNT-125CR-SP	1-1/4"	----
*CNT-150CR-SP	1-1/2"	----
*CNT-200CR-SP	2"	----
*CNT-250CR-SP	2-1/2"	----
*CNT-300CR-SP	3"	----
*CNT-400CR-SP	4"	----
*CNT-600CR-SP	6"	----

Project Information: For use with
CRIMPLOK Ferrules CF-XXXXX-SP

**CRIMPLOK CRIMP COMBINATION
NIPPLES STAINLESS**

PART#	SIZE	
*CNT-100CR-SS316	1"	----
CNT-125CR-SS316	1-1/4"	----
*CNT-150CR-SS316	1-1/2"	----
*CNT-200CR-SS316	2"	----
*CNT-250CR-SS316	2-1/2"	----
*CNT-300CR-SS316	3"	----
*CNT-400CR-SS316	4"	----
*CNT-600CR-SS316	6"	----

Project Information: For use with
CRIMPLOK Ferrules CF-XXXXX-SS304

**CRIMPLOK COMBINATION
NIPPLE PLATED LONG NPT**

PART#	SIZE	
*CNL-200CR-SP	2"	----
*CNL-250CR-SP	2-1/2"	----
*CNL-300CR-SP	3"	----
*CNL-400CR-SP	4"	----

Project Information: For use with
CRIMPLOK Long Ferrules CF-XXXXXL-SP

**CRIMPLOK HD COMBINATION NIPPLE
PLATED**

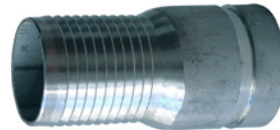
PART#	SIZE	
*CNT-400CS-SP	4"	----
*CNT-600CS-SP	6"	----
*CNT-800CS-SP	8"	----

Project Information: For use with
CRIMPLOK Sleeves CSL-XXXXX-SP

**CRIMPLOK HD COMBINATION NIPPLE
UNPLATED**

PART#	SIZE	
*CNT-400CS-S	4"	----
*CNT-600CS-S	6"	----
CNT-800CS-S	8"	----

Project Information: For use with
CRIMPLOK Sleeves CSL-XXXXX-SP

**CRIMPLOK HD COMBINATION NIPPLE
VICTAULIC PLATED**

PART#	SIZE	
*CNG-400CS-SP	4"	----
*CNG-600CS-SP	6"	----
*CNG-800CS-SP	8"	----

Project Information: For use with
CRIMPLOK Sleeves CSL-XXXXX-SP

**CRIMPLOK HD COMBINATION NIPPLE
VICTAULIC UNPLATED**

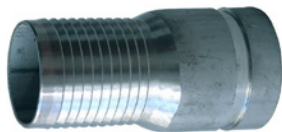
PART#	SIZE	
*CNG-400CS-S	4"	----
*CNG-600CS-S	6"	----
*CNG-800CS-S	8"	----

Project Information: For use with
CRIMPLOK Sleeves CSL-XXXXX-SP

CRIMPLOK KING NIPPLES

HOSE ACCESSORIES

CRIMPLOK CRIMP VICTAULIC COMBINATION NIPPLES PLATED STEEL



PART#	SIZE	
*CNG-200CR-SP	2"	----
*CNG-300CR-SP	3"	----
*CNG-400CR-SP	4"	----
*CNG-600CR-SP	6"	----

Project Information: For use with CRIMPLOK Ferrules CF-XXXXX-SP

CRIMPLOK CRIMP VICTAULIC COMBINATION NIPPLES STAINLESS



PART#	SIZE	
CNG-200CR-SS316	2"	----
CNG-250CR-SS316	2-1/2"	----
CNG-300CR-SS316	3"	----
CNG-400CR-SS316	4"	----

Project Information: For use with CRIMPLOK Ferrules CF-XXXXX-SS304

CRIMPLOK FIXED FLANGE NIPPLE STEEL 125 - 150#



PART#	SIZE	
*CNFL-200CR-S	2"	----
*CNFL-300CR-S	3"	----
*CNFL-400CR-S	4"	----
*CNFL-600CR-S	6"	----

Project Information: For use with CRIMPLOK Ferrules CF-XXXXX-SP
Stainless Steel available - add S316 to part #

CRIMPLOK CRIMP TURNBACK COMBINATION NIPPLES STEEL



PART#	SIZE	
*CNTB-200CR-S	2"	----
*CNTB-300CR-S	3"	----
*CNTB-400CR-S	4"	----
*CNTB-600CR-S	6"	----

Project Information: For use with CRIMPLOK Ferrules CF-XXXXX-SP

CRIMPLOK CRIMP TURN BACK NIPPLES STAINLESS



PART#	SIZE	
*CNTB-200CR-SS316	2"	----
*CNTB-300CR-SS316	3"	----
*CNTB-400CR-SS316	4"	----
*CNTB-600CR-SS316	6"	----

Project Information: For use with CRIMPLOK Ferrules CF-XXXXX-SS304

CRIMPLOK CRIMP SQUARE CUT COMBINATION NIPPLES UNPLATED



PART#	SIZE	
*CNCS-300CR-SP	3"	----
*CNCS-400CR-SP	4"	----

Project Information: For use with CRIMPLOK Ferrules CF-XXXXX-SP

CRIMPLOK FIXED FLANGE NIPPLE STAINLESS STEEL 125 - 150#



PART#	SIZE	
*CNFL-200CR-SS316	2"	----
*CNFL-300CR-SS316	3"	----
*CNFL-400CR-SS316	4"	----
*CNFL-600CR-SS316	6"	----

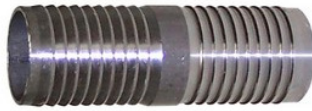
Project Information: For use with CRIMPLOK Ferrules CF-XXXXX-SP

HOSE MENDERS

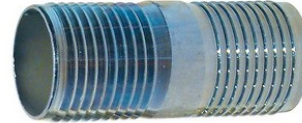
HOSE ACCESSORIES

hose menders**MENDER PLAIN STEEL**

HM-S



PART #	HOSE SIZE	
973890	1/2"	----
HM-063-S	5/8"	----
973891	3/4"	----
973892	1"	----
973893	1-1/4"	----
973894	1-1/2"	----
973895	2"	----
HM-300-S	3"	----
HM-400-S	4"	----
HM-600-S	6"	----
HM-800-S	5"	----

MENDER PLATED STEEL

PART #	SIZE	
973650	3/8"	----
973651	1/2"	----
HM-063-SP	5/8"	----
973652	3/4"	----
973653	1"	----
973654	1-1/4"	----
973655	1-1/2"	----
973656	2"	----
973657	2-1/2"	----
973658	3"	----
973659	4"	----
HM-600-SP	6"	----
HM-800-SP	8"	----

316 STAINLESS STEEL HOSE MENDER

PART #	SIZE	
73669	1/2"	----
73670	3/4"	----
73671	1"	----
73672	1-1/4"	----
73673	1-1/2"	----
73674	2"	----
73675	2-1/2"	----
73676	3"	----
73677	4"	----

BRASS HOSE MENDER

• LEAD FREE

PART #	SIZE	
73983	3/4"	----
73984	1"	----
73985	1-1/4"	----
73986	1-1/2"	----
73987	2"	----



USE OUR APP WITH YOUR FREE BIN LABELS TO MANAGE
YOUR CUSTOMERS INVENTORY MORE EFFICIENTLY

UNIVERSAL COUPLINGS

HOSE ACCESSORIES

UNIVERSAL COUPLING

MALE NPT ENDS

- Twist claw/ universal/ chicago



- Malleable iron
- ISO PSI

ME-XXX-SP

* Safety clip included

PART #	SIZE	
ME-025-SP	1/4	----
66005	3/8"	----
66006	1/2"	----
66007	3/4"	----
66008	1"	----

WASHER



PART #	
66000	----

FEMALE NPT ENDS



* Safety clip included

PART #	SIZE	
FE-025-SP	1/4"	----
66009	3/8"	----
66010	1/2"	----
66011	3/4"	----
66012	1"	----
FE-125-SP	1-1/4"	----
FE-150-SP	1-1/2"	----
FE-200-SP	2"	----

HOSE END



SEE CRIMPLOK SECTION

HE-XXX-SP

* Safety clip included

PART #	SIZE	
66001	3/8"	----
66002	1/2"	----
66003	3/4"	----
66004	1"	----
HE-125-SP	1-1/4"	----
HE-150-SP	1-1/2"	----
HE-200-SP	2"	----

TRIPLE CONNECTIONS



UW-300-SP

PART #	
66013	----

UNIVERSAL BLANK END



ISO PSI

PART #	SIZE	
BE-300-SP		----

GROUND JOINT COUPLINGS

HOSE ACCESSORIES

GROUND JOINT COUPLING**HIGH PRESSURE FEMALE+ WING NUT+FEMALE SPUD**

PART #	SIZE	
73003	1/2	----
73004	3/4	----
73005	1	----
73006	1-1/4	----
73007	1-1/2	----
73008	2	----
73009	2-1/2	----
73010	3	----
73011	4	----

HIGH PRESSURE WING NUT

PART #	SIZE	PART #	
73033	1/2	*GJN-050-DP	----
73035	3/4	*GJN-075-DP	----
73036	1-1/4	*GJN-125-DP	----
73037	1-1/2	*GJN-150-DP	----
73038	2	*GJN-200-DP	----
73039	2-1/2		
73040	3	*GJN-300-DP	----
73041	4		

HIGH PRESSURE FEMALE STEM

PART #	SIZE	PART #	
73023	1/2	*GJS-050-SP	----
73024	3/4	*GJS-075-DP	----
73025	1	*GJS-100-DP	----
73026	1-1/4	*GJS-125-DP	----
73027	1-1/2	*GJS-150-DP	----
73028	2	*GJS-200-DP	----
73029	2-1/2"		
73030	3"		
73031	4"		

HIGH PRESSURE FEMALE SPUD

PART #	SIZE	PART #	
73063	1/2	*GJF-050-SP	----
73064	3/4	*GJF-075-DP	----
73065	1	*GJF-100-DP	----
73066	1-1/4	*GJF-125-DP	----
73067	1-1/2	*GJF-150-DP	----
73068	2	*GJF-200-DP	----
73070	3	*GJF-300-DP	----

HIGH PRESSURE DOUBLE SPUD

PART #	SIZE	
GDS-050-B	1/2	----
*GDS-075-B	3/4	----

*IN STOCK IN HOUSTON

GROUND JOINT COUPLINGS/ ALUMINUM SHORT SHANKS

HOSE ACCESSORIES

2 BOLT HIGH PRESSURE CLAMP



PART #	HOSE ID	CLAMP RANGE	MAX BOLT TORQUE	
*BC2-075A-DP	3/4"	1-5/32"-1-9/32"	21FT LBS	----
*BC2-075C-DP	3/4"	1-5/16"-1-1/2"	21FT LBS	----

4 BOLT HIGH PRESSURE CLAMP



PART #	HOSE ID	CLAMP RANGE	MAX BOLT TORQUE	
BC4-100B-DP	1"	1.53-1.72	21FT LBS	----
BC4-125-DP	1-1/4"	2.06-2.25	40FT LBS	----
BC4-200A-DP	2"	2-11/32"-2-17/32"	60FT LBS	----
BC4-200-DP	2-1/2"	3-3/32"-3-7/16"	60FT LBS	----

HIGH PRESSURE MALE STEM



PART #	LIST	SIZE	PART #	
73043		1/2	*GJM-050-SP	----
73044		3/4	*GJM-075-SP	----
73045		1	*GJM-100-SP	----
73046		1-1/4	*GJM-125-DP	----
73047		1-1/2	*GJM-150-DP	----
73048		2	*GJM-200-DP	----
73049		2-1/2		
73050		3		
73051		4		

NPT STEEL HEX NIPPLE



PART #	SIZE	
HNC-04-02-SP	1/4 x 1/8	----
HNC-04-04-SP	1/4 x 1/4	----
HNC-06-04-SP	3/8 x 1/4	----
HNC-06-06-SP	3/8 x 3/8	----
HNC-08-06-SP	1/2 x 3/8	----
HNC-08-08-SP	1/2 x 1/2	----
HNC-12-08-SP	3/4 x 1/2	----
HNC-16-12-SP	1 x 3/4	----

SHORT SHANK ALUMINUM SET NPS



PART #	SIZE	
PL-150-AD	1-1/2	----
*PL-200-AD	2	----
*PL-300-AD	3	----
*PL-400-AD	4	----

FEMALE END

PART #	SIZE	
PF-150-AD	1-1/2	----
PF-200-AD	2	----
PF-300-AD	3	----
PF-400-AD	4	----
PF-600-AD	6	----

MALE END

PART #	SIZE	
PM-150-A	1-1/2	----
PM-200-A	2	----
PM-300-A	3	----

STRAINERS/ NOZZLES

HOSE ACCESSORIES

**LARGE SAFETYCHECK FOR HOSE/
HOSE AND HOSE/TOOL**

HOSE TO HOSE

PART #	SIZE	
WHIP-L	1-1/2" HOSE, 37" LONG	----
WHIP-S	1/2-1-1/4" HOSE 22" LONG	----

FOOT VALVE

PART #	SIZE	
*FV-200-DP	2	----
*FV-300-DP	3	----
*FV-400-DP	4	----
*FV-600-DP	6	----

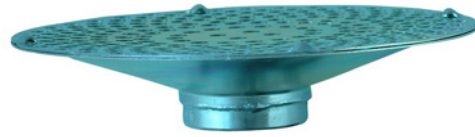
STRAINER ROUND HOLE

PART #	SIZE	
*SR-200-SP	2	----
*SR-250-SP	2-1/2	----
*SR-300-SP	3	----
*SR-400-SP	4	----
*SR-600-SP	6	----
*SR-800-SP	8	----

**STRAINER ROUND HOLE
LONG THIN**

PART #	SIZE	
*SL-200-SP	2	----
*SL-300-SP	3	----

*IN STOCK IN HOUSTON

STRAINER BOTTOM HOLE

PART #	SIZE	STRAINER HOSE SIZE	
SB-200-SP	2		----
SB-300-SP	3		----

**STRAINER
STRAINER BOTTOM HOLE**

PART #	SIZE	
SCR-300-SS304	3	----
SCR-400-SS304	4	----

**PLASTIC FOG
NOZZLE GHT**

PART #	SIZE	
FN-075	3/4	----
FN-075R	3/4	----

**PLASTIC FOG
NOZZLE NPS**

PART #	SIZE	
FN-100	1	----
*FN-150	1-1/2	----
FN-200	2	----

**GREEN ABS FOG
NOZZLE GHT**

PART #	SIZE	
FN-075G	3/4	----

FIRE HOSE FITTINGS

HYDRANT ADAPTERS - BRASS



PART #	DESCRIPTION	
444011	1-1/2" NST x 3/4" GHT	----
444000	2-1/2" NST x 3/4" GHT	----
444001	2-1/2" NST x 3/4" NPT	----
444002	2-1/2" NST x 1" NPT	----
444005	2-1/2" NST x 1-1/2" NPT	----
444007	2-1/2" NST x 2" NPSH	----
444008	2-1/2" NST x 2" NPT	----
444006	2-1/2" NST x 1-1/2" NST	----

DOUBLE MALE HEX NIPPLE - BRASS



PART #	DESCRIPTION	
444042	1-1/2" NPT x 1-1/2" NPSH	----
444040	1-1/2" NPT x 1-1/2" NST	----
444048	2" NPT x 2-1/2" NST	----
444095	2-1/2" NST x 1-1/2" NST	----
444045	2-1/2" NPT x 2-1/2" NST	----
444049	3" NPT x 2-1/2" NST	----

FEMALE TO MALE HEX ADAPTER - BRASS



PART #	FEMALE X MALE	
444021	1-1/2" NST x 1-1/2" NPSH	----
444023	1-1/2" NPT x 1-1/2" NPSH	----
444020	1-1/2" NST x 1-1/2" NPT	----
444318	2 NPT x 2-1/2" NST	----
444026	2-1/2" NST x 2-1/2" NPT	----

MALE SWIVEL ADAPTER - BRASS W/ LUGS



PART #	DESCRIPTION FEMALE X MALE	
444111	2-1/2" NST x 2" NPT	----
444112	2-1/2" NST x 2-1/2" NPT	----
444113	2-1/2" NST x 3" NPT	----

CAP - BRASS



PART #	DESCRIPTION	
444062	2-1/2" NST	----
444313	4-1/2" NST	----
444320	2-1/2" NST PLUG	----
444060	1-1/2" NST	----

BRASS NOZZLE



PART #	PIPE	
HN-075-B	3/4"	----
*HN-100-B	1"	----
HN-125-B	1-1/4"	----
HN-150-B	1-1/2"	----
HN-200-B	2"	----
HN-250-B	2-1/2"	----

*IN STOCK IN HOUSTON

BUCHANAN HOSE
HOSE ACCESSORIES

BUCHANAN HOSE
STOCKED IN HOUSTON
(WILL STOCK IN OTHER LOCATIONS BY REQUEST)



WITH SIX LOCATIONS TO SERVE YOU:



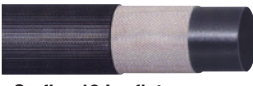
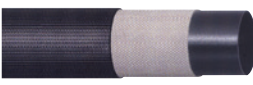
TORONTO
EDMONTON

MONTREAL
HOUSTON

KANSAS CITY
COMING SOON
LOS ANGELES



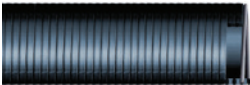




HOSE INFORMATION

HOSE ACCESSORIES

PRODUCT	DESCRIPTION	APPLICATION	PRESSURE	SIZES	TEMPERATURE
Air Hoses - Also Available: Montana, Hi-Temp Steelflex Air, Oroflex Air, Oroflex 20, Duraflex 20 & Hot Air Blower					
	Yellow cut and abrasion resistant cover with blue stripe. Tube is oil resistant synthetic rubber.	A superior quality mining, construction and industrial hose.	400 PSI	1/2" - 4"	-35°C to +80°C -30°F to +180°F
Super Service Air					
	Yellow cut and abrasion resistant rubber cover with oil mist resistant synthetic rubber tube.	For mining, construction, and industrial use.	250 - 300 PSI	1/2" - 4"	-35°C to +80°C -30°F to +180°F
Contractors Air					
	Yellow cut and abrasion resistant cover with red stripe. Tube is oil resistant synthetic rubber.	High pressure steel reinforced air service for mining, construction and industrial use. More resistant to external abuse than textile air hose. Mandrel built.	400 - 1000 PSI	1/2" - 4"	-35°C to +80°C -30°F to +180°F
Steelflex Air					
	Smooth Yellow cut and abrasion resistant rubber cover with oil mist resistant synthetic rubber tube.	An economical air hose for jackhammer and other uses on construction sites. Also for general industrial use.	300 PSI	3/4"	-35°C to +80°C -30°F to +180°F
Jackhammer					
General Purpose - Also Available: General Purpose, Urethane General Purpose & Self Storing Air					
	Red, oil, grease, weather and abrasion resistant nitrile/pvc cover with nitrile tube.	A premium quality long length hose for petroleum based fluids, lubricating oils, air, hot water and some chemical solutions.	250 - 300 PSI	1/4" - 1 1/2"	-32°C to +85°C -25°F to +185°F
Premium General Purpose - Non Conductive					
	Smooth red abrasion and weather resistant EPDM synthetic rubber tube and cover.	Air, water, agricultural spray solutions, and other dilute chemicals. Excellent resistance to heat and weathering. Also resists animal fats, vegetable oils and Methyl Ethyl Ketone.	150 - 250 PSI	1/4" - 2"	-30°C to +93°C -20°F to +200°F
EPDM General Purpose					
	Clear smooth PVC.	An economical FDA quality hose for handling air, water, oil, mild chemicals, and alkalis. Clear wall allows visual inspection of product. 3A/USDA/NSF-51 Compliant.	65 - 250 PSI	3/16" - 2"	-5°C to +65°C +25°F to +150°F
Clear Reinforced PVC					
	Black, Grey, Red, Blue, or Yellow oil, weather and abrasion resistant nitrile/pvc cover with nitrile tube.	Transmission of most petroleum-based hydraulic fluids, mineral oil, diesel fuel, engine coolant solutions, agricultural sprays and a wide range of chemical solutions.	250 - 300 PSI	1/4" - 3/4"	-32°C to +80°C -25°F to +180°F
Push On					
	Blue weather and oil resistant synthetic rubber specially compounded for arctic service featuring a static wire.	A premium general purpose hose for conveying air, water, petroleum products and some chemicals under arctic conditions.	300 PSI	1/2" - 2"	-54°C to +65°C -65°F to +150°F
Arctic General Purpose					
Water Discharge - Also Available: H.D Water Discharge, Garden Hose, High Pressure Water Discharge, Papermill, Packers Washdown, White Sanitary & Single Jacket Industrial Mill					
	Black abrasion, weather and oil resistant nitrile rubber cover with oil resistant nitrile rubber tube.	A lightweight high pressure, extremely strong hose for general water and oil discharge, and for some chemicals.	150 - 200 PSI	1 1/2" - 8"	-20°C to +80°C 0°F to +180°F
Oroflex 10 Layflat					
	Black abrasion, weather and oil resistant nitrile rubber.	This is a lightweight high pressure, extremely strong hose for general water discharge service. Ideal for rental service where long life and competitive pricing is paramount. Its compact characteristics make this an ideal hose for use with portable pumps. Especially suited for pumping oily contaminated water.	150 - 200 PSI	2" - 6"	-20°C to +80°C 0°F to +180°F
Duraflex - Rubber Layflat					
	Smooth cover blue and black (also wrapped version) oil resistant synthetic rubber cover. One high tensile steel braid with oil resistant synthetic rubber tube.	Extremely flexible, compact hose for use on pressure washers with working pressures up to 3000 psi. Available in 4500 psi, 250°F.	3000 PSI	3/8"	-29°C to +100°C -20°F to +212°F
Pressure Washer					

HOSE INFORMATION

HOSE ACCESSORIES

PRODUCT	DESCRIPTION	APPLICATION	PRESSURE	SIZES	TEMPERATURE
Water Discharge - Also Available: <i>H.D Water Discharge, Garden Hose, High Pressure Water Discharge, Papermill, Packers Washdown & White Sanitary</i>					
	Blue, Brown or Green PVC impregnation.	Light (Blue) to Heavy (Brown and Green) duty layflat hose for portable pump and irrigation use.	30 - 150 PSI	3/4" - 12"	-10°C to +60°C +15°F to +140°F
PVC Layflat					
	Black abrasion and weather resistant synthetic rubber cover with synthetic rubber tube.	A lightweight water discharge hose which is ideal for use with portable pumps, and general water discharge service.	75 - 100 PSI	1 1/4" - 12"	-35°C to +80°C -30°F to +180°F
Contractors and Contractors Plus Water Discharge					
	Black abrasion and weather resistant synthetic rubber cover with synthetic rubber tube.	For use on construction sites and general water service.	150 - 300PSI	1/2" - 1"	-35°C to +80°C -30°F to +180°F
Contractors Water Discharge - Industrial Garden Hose					
Water Suction - Also Available: <i>EPDM Aggie Water S & D</i>					
	A hose constructed with extra soft PVC, a feature that ensures greater flexibility and ease of handling at very low temperatures. Also available with static wire.	Can be used for light oil, grease and animal fat suction. It can also be used in more general applications where great flexibility is required at very low temperatures.	35 - 70 PSI 29" HG	2" - 6"	-40°C to +60°C -40°F to +140°F
Superflex					
	Black smooth abrasion and weather resistant synthetic rubber.	A heavy duty wire reinforced rubber suction hose for construction, quarries and general use.	50 - 200 PSI 29" HG	3/4" - 12"	-30°C to +80°C -22°F to +180°F
Rubber Water S & D					
	Clear abrasion and weather resistant extra soft low temperature PVC with blue helix	An economical, flexible hose for construction pumps, septic tank & marine pump-out service. Resistant to some chemicals, mild acids & alkalis. Consult us for recommendations. Soft low temperature compounds allow for increased flexibility.	25 - 45 PSI 29" HG	3/4" - 6"	-40°C to +65°C -40°F to +150°F
Saturn Water S & D					
	Clear abrasion and weather resistant PVC.	An economical, flexible hose for construction pumps, septic tank & marine pump-out service. Resistant to some chemicals, mild acids & alkalis. Consult us for recommendations.	25 - 90 PSI 28 - 29" HG	3/4" - 8"	-20°C to +65°C -5°F to +150°F
Saturn Green PVC Water S & D					
	Clear abrasion and weather resistant extra soft PVC.	An economical, flexible hose for construction pumps, septic tank & marine pump-out service. Resistant to some chemicals, mild acids & alkalis. Consult us for recommendations. Specially formulated compounds allow for increased flexibility at low temperatures.	35 - 90 PSI 29" HG	3/4" - 6"	-40°C to +65°C -40°F to +150°F
Saturn Low Temperature PVC Water S & D					
	Clear abrasion and weather resistant PVC.	An economical, flexible hose for construction pumps, septic tank & irrigation lines. Resistant to some chemicals, mild acids & alkalis. Consult us for recommendations.	15 - 45 PSI 26 - 29" HG	1" - 12"	-40°C to +65°C -40°F to +150°F
Saturn Grey PVC Water S & D					
	Clear abrasion and weather resistant PVC with high tensile synthetic yarn reinforcement.	Good for both suction and discharge applications, this heavy duty hose can be used for rental/construction pumping as well as fish suction hose.	40 - 110 PSI 28 - 29" HG	2" - 10"	-23°C to +65°C -10°F to +150°F
Textile Reinforced S & D					
	Clear abrasion and weather resistant PVC with white helix.	An economical, flexible hose for construction pumps, septic tank & marine pump-out service. Can also be used in air seeder applications.	35 - 90 PSI	3/4" - 8"	-20°C to +65°C -4°F to +150°F
Saturn White PVC Water Suction and Discharge Hose					

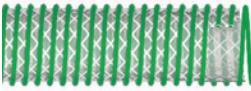


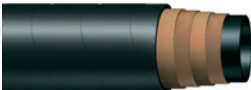






HOSE INFORMATION

HOSE ACCESSORIES

PRODUCT	DESCRIPTION	APPLICATION	PRESSURE	SIZES	TEMPERATURE
Water Suction - Also Available: EPDM Aggie Water S & D					
	Green polypropylene and Black EPDM.	Agricultural suction, general industrial use where high working pressures are not required.	22 - 50 PSI 29" HG	1 1/2" - 6"	-40°C to +60°C -40°F to +140°F
EPDM Water Suction					
Steam - Also Available: Textile Steam					
	Red, heat, weather and abrasion resistant EPDM synthetic rubber tube and cover.	An extremely flexible steel reinforced hose for use with saturated steam at pressures to 250 PSI.	250 PSI	1/2" - 3"	-40°C to +210°C -40°F to +406°F
Steam 250					
	Red abrasion resistant EPDM cover with Chlorobutyl synthetic rubber tube.	An extremely flexible steel reinforced hose for use with saturated steam at pressures to 250 PSI. Chlorobutyl tube has a low permeation factor resulting in resistance to popcorning of tube.	250 PSI	1/2" - 2"	-40°C to +210°C -40°F to +406°F
CB Steam 250					
Petroleum - Also Available: Agricultural Farm Tank, Tank Truck Drop, SAE100R4, W187 Vapour Recovery & Hot Tar & Asphalt					
	Black, abrasion, gasoline and oil resistant synthetic rubber with blue stripe.	An all purpose petroleum suction and discharge hose for use with gasoline, kerosene, diesel, oil suspensions and emulsions. May also be used as hydraulic return line and suction.	150 PSI 29" HG	3/4" - 6"	-35°C to +93°C -30°F to +200°F
Tank Truck					
	Black, abrasion, gasoline and oil resistant synthetic rubber with blue stripe and pressure.	An all purpose petroleum suction and discharge hose for use with gasoline, kerosene, diesel, oil suspensions and emulsions up to 250 PSI. May also be used as hydraulic return line and suction.	250 PSI	2" - 6"	-35°C to +93°C -30°F to +200°F
Super Black 250					
	Blue weather and oil resistant synthetic rubber specially compounded for arctic service. Corrugated with white stripe.	Specially designed to remain flexible while handling a wide range of petroleum products, including gasoline and diesel under arctic conditions.	150 PSI	1 1/2" - 6"	-54°C to +90°C -65°F to +195°F
LW Arctic Superflex 150 Petroleum					
	Black, abrasion and oil resistant synthetic rubber with red stripe.	Specially designed for conveying hot oil and/or Glycol at temperatures up to 120°C (250°F).	150 PSI	2" - 4"	up to +120°C 250°F
H.O.T Oil Tank Truck					
	Black, abrasion, gasoline and oil resistant synthetic rubber with green stripe.	An all purpose lightweight and flexible petroleum suction and discharge hose for use with gasoline, kerosene, diesel, oil suspensions and emulsions. May also be used as hydraulic return line and suction.	150 PSI	2" - 6"	-40°C to +93°C -40°F to +200°F
LW Petroleum Tank 150					
	Red, heat, oil and weather resistant Neoprene cover with nitrile tube.	For handling a wide range of petroleum products, including gasoline, as well as a number of chemical solutions.	150 - 200 PSI	3/4" - 4"	-35°C to +88°C -30°F to +190°F
Petroleum Discharge					
	Black, heat, oil and weather resistant Neoprene.	For handling a wide range of petroleum products, including gasoline, as well as a number of chemical solutions.	250 PSI	2" - 6"	-35°C to +88°C -30°F to +190°F
Petroleum Discharge 250					
	Orange PVC helix with high tensile synthetic yarn reinforcement and built in static wire.	For use as a tank truck gravity drop hose. Also for use with oil, fuel and grease transfer, oil slurry, hydrocarbons and animal fat handling. Features an external helix that protects the hose cover as well as enabling the hose to slide over rough surface.	65 - 70 PSI 28" HG	2" - 4"	-29°C to +65°C -20°F to +150°F
Petroleum Drop Hose					

HOSE INFORMATION




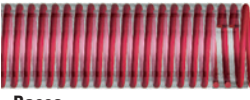
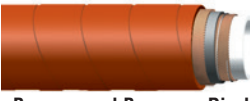



HOSE ACCESSORIES

PRODUCT	DESCRIPTION	APPLICATION	PRESSURE	SIZES	TEMPERATURE
Petroleum - Also Available: <i>Agricultural Farm Tank, Tank Truck Drop, SAE100R4, W187 Vapour Recovery & Hot Tar & Asphalt</i>					
	Green PVC Helix with polyurethane cover. BDROP is clear wall for flow visibility and BDROPB is black with added UV resistance.	For use as a tank truck gravity drop hose with biofuel, gasoline, diesel and ethanol. Lightweight and flexible with exposed pvc helix making it very user friendly.	65 PSI	3" - 4"	-40°C to +65°C -40°F to +150°F
Urethane Bio-Drop Fuel Hose					
	Convuluted yellow helix.	Vapour recovery from petroleum transfer operations. Embedded static wire serves to dissipate static electricity. NOT SUITABLE FOR CONVEYING LIQUIDS	9 - 17 PSI	2" - 4"	-40°C to +65°C -40°F to +150°F
Vapour Thane Dust & Vapour Recovery Hose					
Material Handling - Also Available: <i>Tan Bulkmaster, Furnace Door Cooling, Concrete Boom, Concrete Placement & Bulkmaster Hardwall</i>					
	Thick black corrugated abrasion and weather resistant synthetic blend cover. Red 3/8" thick super abrasion resistant natural rubber tube.	Primarily designed for handling abrasive slurries in mines and quarries. Can also be used for dry material handling of sand, gravel, grain, slag, and other such materials. External re-usable bolt on flanges allow for ease of installation, and uninterrupted free flow.	150 PSI 30" HG	3" - 12"	-40°C to +80°C -40°F to +180°F
Aztec					
	Black abrasion and weather resistant synthetic rubber cover with black abrasion resistant natural rubber tube. Green stripe on 1/4" thick tube.	Dry bulk discharge including limestone, ground silica, chalk, dry cement, fertilizer etc. May also be used for wet abrasive applications.	75 PSI	3" - 6"	-30°C to +80°C -25°F to +180°F
Bulkmaster Softwall					
	Black static conductive synthetic rubber cover with thick black static conductive abrasion resistant natural rubber tube.	For conducting sand, steel shot, and other abrasives for blast cleaning.	150 PSI	1/2" - 3"	-35°C to +80°C -30°F to +180°F
Sandblast					
	Black weather and abrasion resistant cover with black abrasion resistant pure gum rubber tube.	For handling abrasive dust from wood, metal, rock, marble and concrete grinding machines under vacuum.	40 PSI 10 - 24" HG	1" - 6"	-30°C to +80°C -25°F to +180°F
Industrial Vacuum					
Chemical - Also Available: <i>Hypalon Acid S & D, Viton Lined S & D, EPDM Acid S & D</i>					
	Green smooth chemical resistant EPDM rubber cover with cross-linked polyethylene tube.	The cross-linked polyethylene tube makes this one of the most versatile types of hose available to the chemical industry today. It will handle 90% of known chemical and petroleum products in both suction and discharge applications.	200 PSI 29" HG	1/2" - 4"	-29°C to +120°C -20°F to +248°F
Chemical					
	Green corrugated chemical resistant EPDM rubber with FDA UHMW polyethylene tube.	Similar to Chemical hose above but may be used at lower temperatures. More versatile than our Chemical hose, Flexchem handles 98 per cent of known chemicals and can be steam cleaned. Corrugated cover results in more flexible hose.	200 PSI 29" HG	3/4" - 4"	-40°C to +65°C -40°F to +150°F
Flexchem					
Material Handling Polyurethane and PVC - Also Available: <i>Grey PVC Vacuum</i>					
	Corrugated clear PVC rigid helix. FDA, 3A and USDA compliant.	Conveying of dry powders, grains and plastic pellets where viewing the product is important. B Flex Static has built-in static wire.	25 - 45 PSI 29" HG	1 1/2" - 3" and 39mm	-23°C to +65°C -10°F to +150°F
B Flex/B Flex Static					
	Corrugated clear PVC with clear rigid PVC helix. FDA, 3A and USDA compliant.	Suction and discharge of liquids, grains, plastic pellets and powders where moderate abrasion is a factor. Neptune Static has built-in static wire.	20 - 55 PSI 29" HG	1" - 8"	-23°C to +65°C -10°F to +150°F
Neptune Suction/Neptune Static Suction					

Other Hoses Available: *Auto Heater Hose, Marine Hardwall/Softwall/Fuel Fill Hose, Silicone Coolant and Heater Hose, Garage Exhaust Hose, Welding Hose, Pressure Washer Hose, Paint Spray Hose, Auto Fuel Line Hose.*

HOSE INFORMATION

HOSE ACCESSORIES

PRODUCT	DESCRIPTION	APPLICATION	PRESSURE	SIZES	TEMPERATURE
Material Handling Polyurethane and PVC - Also Available: Grey PVC Vacuum					
	Corrugated clear abrasion and weather resistant Polyurethane with grey PVC helix. FDA, 3A and USDA compliant.	Ideal for applications where conventional rubber or PVC hose will wear rapidly, i.e. grain transfer, abrasive powder recovery, leaf collection. PU Vac Static has built-in static wire.	3 - 50 PSI 29" HG	1 1/2" - 6"	-40°C to +65°C -40°F to +150°F
PU Vac/PU Vac Lite/PU Vac Static					
	Blue HMW PVC up to 5" I.D. Black cover in 6" and 8" I.D.	Used in a variety of material handling application where a good resistance to abrasion is required, such as transfer of sands, plastic pellets, gravel, wood chips, slurries and fly ash. Also for use on vacuum excavation trucks. Cover is a specially formulated static dissipative compound with low temperature flexibility.	30 - 45 PSI 28 - 29" HG	2" - 8"	-40°C to +65°C -40°F to +150°F
ARI HD					
	This hose has a polyurethane tube with an HMC cover. Cover is a specially formulated technical alloy that makes this hose antistatic.	Used in a variety of material handling application where a good resistance to abrasion is required, such as transfer of sands, plastic pellets, gravel, wood chips, slurries and fly ash.	30 - 45 PSI 29" HG	2" - 8"	-40°C to +65°C -40°F to +150°F
ARI					
Food - Also Available: Pure Gum Tubing, Polyethylene Tubing & Clear Vinyl Tubing					
	Smooth clear, food grade PVC non-marking with red rigid PVC helix. FDA, 3A and USDA compliant.	Alcoholic beverages up to 25% alcohol content. Fruit juices, soft drinks and other liquid foodstuffs. Also suitable for dry bulk foodstuffs.	35 - 85 PSI 29" HG	3/4" - 5" and 38 - 50mm	-23°C to +65°C -10°F to +150°F
Bacco					
	Red abrasion resistant natural rubber tube and cover.	Will handle a wide range of non fatty-oily food products up to 80°C where taste and aroma must not be affected.	140 PSI	3/4" - 3"	-35°C to +80°C -30°F to +180°F
Brewers and Beverage Discharge					
	Smooth clear PVC with wire helix. Super Wirevac has additional layer of fabric reinforcement. FDA, 3A, USDA and NSF-51 compliant.	An extremely flexible transparent hose for use where full vacuum performance is required while monitoring the contents of the hose. Ideal for use with most foodstuffs, cosmetics, beverages, and a wide range of chemical solutions. Also suitable for lubricating oils and animal fats.	45 - 250 PSI 28" HG	3/8" - 3"	-10°C to +65°C +15°F to +150°F
Wirevac					
	Clear PVC non-marking. FDA, 3A and USDA compliant.	For dry bulk foodstuffs, pharmaceuticals, cosmetics, milk, fruit and vegetable juices, soft drinks, alcoholic beverages, flour, sugar etc. Clear wall allows visual inspection of the product.	50 - 85 PSI 29" HG	3/4" - 4"	-23°C to +65°C -10°F to +150°F
Foodflex PVC S & D					
	Clear PVC non-marking with high tensile yarn reinforcement. FDA, 3A and USDA compliant.	For liquid or dry bulk foodstuffs, pharmaceuticals, cosmetics, milk, fruit and vegetable juices, soft drinks, alcoholic beverages, flour, sugar, poultry or meat packing etc. Clear wall allows visual inspection of the product.	60 - 110 PSI 28 - 29" HG	2" - 8"	-23°C to +65°C -10°F to +150°F
Foodflex Textile Reinforced S & D (Food Grade)					

HOSE INFORMATIONHOSE ACCESSORIES

Buchanan Rubber Hose found on the following pages are shipped from our Houston, TX Warehouse. Orders for hose will have a \$2,500 prepaid freight.



AIR & GENERAL PURPOSE HOSE

HOSE ACCESSORIES

CLEAR REINFORCED PVC (FOOD QUALITY)



APPLICATION:An economical hose for handling air, water, oil, mild chemicals, and alkalis. Clear wall allows visual inspection of product. **COVER:**Clear smooth PVC **REINFORCEMENT:**Multiple layers of synthetic yarns **TUBE:**Clear smooth PVC

TEMPERATURE:-5C to +65C(+25F to +150F)

PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
CRPVC-019	3/16	0.38	250	300	0.05	----
CRPVC-025	1/4	0.43	250	300	0.07	----
CRPVC-025-100	1/4	0.43	250	100	0.07	----
CRPVC-031	5/16	0.53	300	300	0.08	----
CRPVC-031-100	5/16	0.53	300	100	0.08	----
*CRPVC-038	3/8	0.59	250	300	0.09	----
CRPVC-038-100	3/8	0.59	250	100	0.09	----
*CRPVC-050	1/2	0.71	250	300	0.15	----
*CRPVC-050-100	1/2	0.71	250	100	0.15	----
CRPVC-063	5/8	0.87	200	300	0.17	----
CRPVC-063-100	5/8	0.87	200	100	0.17	----
CRPVC-075	3/4	1.02	180	300	0.23	----
CRPVC-075-100	3/4	1.02	180	100	0.23	----
*CRPVC-100	1	1.30	150	300	0.32	----
*CRPVC-100-100	1	1.30	150	100	0.32	----
CRPVC-125	1-1/4	1.61	100	100	0.58	----
CRPVC-150	1-1/2	1.89	85	100	0.69	----
CRPVC-200	2	2.44	65	100	1.00	----

Standard Length: 3/16"-3/4" 100'/300' coil, 1" 100'/200' coil, 1-1/4"-2" 100' coil

Product Info: Compliant with the applicable requirements and standards of FDA USDA 3-A and NSF-51. Please specify length when ordering i.e. 100' or 300'

Safety Info: Working pressure ratings are based on 20C (68F). At operating temperature of +65C (150F) reduce working pressure by 50%. Recommended Couplings: Combination nipples, short shank, brass barbed, cam and groove. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

*IN STOCK IN HOUSTON



VIEW PRICING AND AVAILABLE STOCK ONLINE

AIR & GENERAL PURPOSE HOSE

HOSE ACCESSORIES

HOT AIR BLOWER HOSE

APPLICATION:FOR CONVEYING HOT AIR FROM BLOWER TO TANK ON DRY BULK TRUCKS.

COVER:Black heat and weather resistant EPDM rubber.

REINFORCEMENT:High tensile wire helix embedded between layers of heat resistant synthetic fabric.

TUBE:Black specially compounded heat resistant EPDM rubber.

TEMPERATURE:-40C to +163C(-40F to +350F)

PART #	NOM. ID"	NOM. OD"	PSI	BEND RADIUS	STD PACK	WEIGHT#	
*BLOW150-300	3	3.62	150	12.00	100	1.75	----
*BLOW150-400	4	4.65	150	15.00	100	2.40	----

Standard Length: 100'

Recommended Couplings: Cam and groove, combination nipples or short shank. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

*IN STOCK IN HOUSTON

JACKHAMMER - AIR

APPLICATION:AN ECONOMICAL AIR HOSE FOR JACKHAMMER AND OTHER USES ON CONSTRUCTION SITES. ALSO FOR GENERAL INDUSTRIAL USE

COVER:Red smooth cut and abrasion resistant REINFORCEMENT:Multiple layers of synthetic yarn

TUBE:Synthetic oil mist resistant

TEMPERATURE:-35C to +80C(-30F to +180F)

PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	COLOR	
JACK-075-50	3/4	1.14	300	50	0.40	Yellow	----
JACK-075R-50	3/4	1.14	300	50	0.40	Red	----
JACK-075G-50	3/4	1.14	300	50	0.40	Green	----
JACK-075BL-50	3/4	1.14	300	50	0.40	Blue	----
JACK-075-CUASSP*	3/4"	1.14	300	50	0.40	Yellow	----
JACK-075R-CUASSP	3/4"	1.14	300	50	.40	Red	

Standard Length: 50'

Recommended Couplings: High Pressure, mine stem and nut, Universal quick acting. Crimplok universals. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

* C/W CRIMP UNIVERSAL ASSEMBLED

AIR & GENERAL PURPOSE HOSE

HOSE ACCESSORIES

EPDM GENERAL PURPOSE 300



APPLICATION: Air, water, agricultural spray solutions, and other dilute chemicals Excellent resistance to heat and weathering Also resists animal fats, vegetable oils.

COVER: Smooth red abrasion and weather resistant EPDM synthetic rubber

REINFORCEMENT: Multiple layers of synthetic yarn TUBE: Synthetic oil mist resistant EPDM synthetic rubber

TEMPERATURE: -30C to +93C (-20F to +200F)

PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
*GPE-025-300	1/4	0.55	300	300	0.14	----
*GPE-038-300	3/8	0.70	300	300	0.20	----
*GPE-050-300	1/2	0.87	300	300	0.27	----
*GPE-063-300	5/8	0.98	300	300	0.31	----
GPE-075-300	3/4	1.16	300	300	0.44	----
*GPE-100-300	1	1.42	300	300	0.59	----

Standard Length: 300'

Recommended Couplings: High Pressure, Short shank, universal, or Combination nipples all other sizes. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

*IN STOCK IN HOUSTON

PREMIUM GENERAL PURPOSE NON CONDUCTIVE WITH REEL



PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
PREMR-038-300	3/8	0.67	300	300	0.17	----
PREMR-050-300	1/2	0.79	300	300	0.21	----
PREMR-075-300	3/4	1.14	300	300	0.39	----
PREMR-100-300	1	1.42	300	300	0.51	----
PREM-125-250	1-1/4	1.77	300	200	0.70	----

Standard Length: 1/4"- 1" 50'/100'/300! 1-1/4" - 2" 50'/100'

Recommended Couplings: High Pressure 1" to 1-1/2" for air service if the working pressure exceeds 150 psi. High Pressure, Short shank, universal, or Combination nipples all other sizes. Crimplok universals. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

AIR & GENERAL PURPOSE HOSE

HOSE ACCESSORIES

PUSH-ON BLACK

APPLICATION:Transmission of most petroleum-based hydraulic fluids, mineral oil, diesel fuel, engine coolant solutions, agricultural sprays and a wide range of chemical solutions. Also suitable for air and water service

COVER:Black, oil, weather and abrasion resistant Neoprene.

REINFORCEMENT:Multiple layers of polyester yarns.

TUBE:Black oil resistant nitrile rubber.

TEMPERATURE:-32C to +80C(-25F to +180F)

PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
PON-025-B	1/4	0.50	250	700'	0.10	----
PON-038-B	3/8	0.63	250	700'	0.14	----
PON-050-B	1/2	0.75	250	700'	0.17	----
PON-063-B	5/8	0.91	250	700'	0.19	----
PON-075-B	3/4	1.03	250	700'	0.19	----

Standard Length: Supplied on reels

Recommended Couplings: Push-on

MARINE EXHAUST HARDWALL

APPLICATION:Marine exhaust applications, and other general applications where non-standard sizes are specified. Meets SAEJ 2006 R1

COVER:Black heat and weather resistant synthetic rubber with blue identification stripe.

REINFORCEMENT:High tensile wire helix embedded between layers of textile cords.

TUBE:Black heat resistant rubber specially compounded for wet marine exhaust service.

TEMPERATURE:-40C to +100C(-40F to +212F)

PART #	NOM. ID"	NOM. OD"	STD PACK	WEIGHT#	
MXH-238	2-3/8	2.68	100'	1.98	----
MXH-250	2-1/2	2.81	100'	1.82	----
MXH-300	3	3.54	100'	2.12	----
MXH-350	3-1/2	4.09	100'	2.77	----
MXH-400	4	4.57	100'	3.22	----
MXH-500	5	5.55	100'	3.59	----

Standard Length: not on reels

Recommended Couplings: Push-on



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MATERIAL HANDLING

HOSE ACCESSORIES

FUEL LINE



APPLICATION:Fuel and vapour emission lines, meets SAE 30R7 specification and is USCG Type B and BIA approved.

COVER:Black heat and fuel resistant Hypalon.

REINFORCEMENT:Two layers of synthetic yarns.

TUBE:Black fuel resistant nitrile rubber.

TEMPERATURE:-40C to +120C(-40F to +250F)

PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
FUEL-025	1/4	0.49	50	300'	0.10	----
FUEL-031	5/16	0.58	50	300'	0.13	----
FUEL-038	3/8	0.63	50	300'	0.13	----

Cut Lengths: Plus 5%

Standard Length: 300' coils:

Recommended Couplings: Barbed short shank, combination nipples.

ARI SUCTION



APPLICATION:Used in a variety of material handling application where a good resistance to abrasion is required, such as transfer of sands, plastic pellets, gravel, wood chips, slurries and fly ash. Cover is a specially formulated static dissipative compound with low temperature flexibility.

COVER:Black HMW PVC

REINFORCEMENT:Anti shock rigid pvc helix

TUBE:Polyurethane

TEMPERATURE:-40C to +65C(-40F to +150F)

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
ARI-300	3	3.65	29	40	4.00	100'	1.18	----
ARI-400	4	4.76	29	35	6.00	100'	1.95	----
ARI-600	6	6.80	28	30	12.00	100'	3.51	----

Standard Length: 100'

Safety Info: Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature. This

hose has no fabric reinforcement and normally should not be used under pressure for service at temperatures above 25C (75F).

Recommended Couplings: Cam and groove



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MATERIAL HANDLING

HOSE ACCESSORIES

BULKMASTER SOFTWALL

APPLICATION:Dry bulk discharge including limestone, ground silica, chalk, dry cement, fertilizer etc. May also be used for wet abrasive applications.

COVER:Black abrasion and weather resistant synthetic rubber.

REINFORCEMENT:Multiple layers of high tensile synthetic cords.

TUBE:Black abrasion resistant ant-static natural rubber in 1/8", 3/16" and 1/4"

TEMPERATURE:-30C to +80C(-25F to +180F)

PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
BSB-400-187	4	4.64	75	100'	2.33	----
BSB-400-250	4	4.72	75	100'	2.65	----
BSB-450-125	4-1/2	5.00	75	100'	2.09	----
BSB-500-187	5	5.63	75	100'	2.75	----
BSB-500-250	5	5.79	75	100'	3.50	----
BSB-600-250	6	6.81	75	100'	4.29	----

Standard Length: 100'

Product Info: Longer lengths available, check for price and availability

Recommended Couplings: Cam and groove. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

INDUSTRIAL VACUUM HEAVY DUTY LENGTHS

APPLICATION:For handling abrasive dust from wood, metal, rock, marble and concrete grinding machines under vacuum.

COVER:Black abrasion resistant rubber, corrugated for flexibility.

REINFORCEMENT:A high tensile steel helix embedded between layers of textile cords.

TUBE:1/4" or 1/8" red Pure Gum abrasion resistant rubber standard.

TEMPERATURE:-30C to +80C(-25F to +180F)

PART #	ASSEMBLY DESCRIPTION	NOM. OD"	VACUUM	PSI	BEND RADIUS"	WEIGHT#	
IVB-800-250RPG2	8"x25' H.D.IND VAC. 1/4" Red w/cuffs	9.01	28	50	30.00	190.00	----
IVB-800-250RPG3	8"x32' H.D.IND VAC. 1/4" Red w/cuffs	9.01	28	50	30.00	243.80	----
IVB-800-250RPG7	8"x70' H.D.IND VAC. 1/4" Red Tube	9.01	28	50	30.00	716.10	----



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MATERIAL HANDLING

HOSE ACCESSORIES

SANDBLAST



APPLICATION:For conducting sand, steel shot, and other abrasives for blast cleaning.

COVER:Black static conductive synthetic rubber.

REINFORCEMENT:Two (SBB) or Four (SBB4) layers of synthetic textile cords.

TUBE:Thick black static conductive abrasion resistant natural rubber.

TEMPERATURE:-35C to +80C(-30F to +180F)

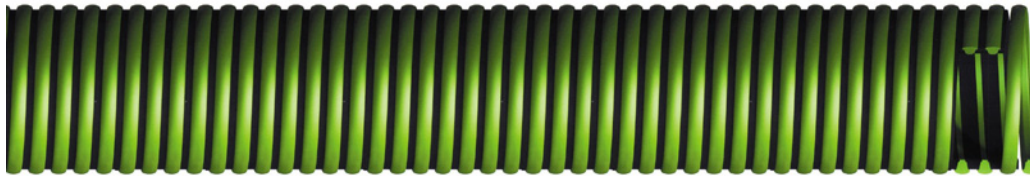
PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
SBB-075-100	3/4	1.50	150	100'	0.68	----
SBB-075-50	3/4	1.50	150	50'	0.68	----
SBB-125-100S	1-1/4	2.16	150	100'	1.22	----
SBB-125-50S	1-1/4	2.16	150	50'	1.22	----
SBB-150-50	1-1/2	2.36	150	50'	1.36	----
SBB-300	3	3.98	150	100'	2.57	----

Standard Length: 50'/100'

Product Info: Longer lengths available up to 200'. Surcharges may apply

Recommended Couplings: Sandblast

EPDM WATER SUCTION



APPLICATION:For use in liquid waste suction application. Also for use with liquid or dry chemical suction applications or general industrial use where high working pressures are not required.

COVER:Green Polyethylene helix and specially formulated rubber.

REINFORCEMENT:Rigid green Polyethylene helix.

TUBE:Smooth specially formulated rubber

TEMPERATURE:-40C to +60C(-40F to +140F)

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
EPDM-150	1-1/2	1.85	29	50	3.50	100'	0.40	----
EPDM-200	2	2.44	29	50	5.50	100'	0.67	----
EPDM-300	3	3.52	29	42	7.50	100'	1.10	----
EPDM-400	4	4.61	29	38	12.00	100'	1.84	----

Standard Length: 100'

Recommended Couplings: Cam and groove or short shank, Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

PETROLEUM STEAM & CHEMICAL HOSE

HOSE ACCESSORIES

FLEXLITE UHMW

APPLICATION:The (UHMW) Ultra High Molecular Weight polyethylene tube makes this one of the most versatile types of hose available to the chemical industry today. It will handle 94% of common chemical and petroleum products in both suction and discharge applications. This hose is very flexible due to its corrugated cover and low temperature characteristics. This hose can also be used in dry food applications due to its FDA Compliant tube.

COVER:Green corrugated chemical resistant EPDM rubber

REINFORCEMENT:High tensile wire helix embedded between layers of textile cords.

TUBE:Smooth chemical resistant (UHMW) Ultra High Molecular Weight polyethylene FDA Compliant tube

TEMPERATURE:-40C to +100C(-40F to +212F) Can be open end steam cleaned to 120C or 248F for 30 minutes

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
FLX-075	3/4	1.22	29	200	2.00	100'	0.40	----
FLX-100	1	1.46	29	200	2.50	100'	0.47	----
FLX-150	1-1/2	2.01	29	200	3.75	100'	0.80	----
FLX-200	2	2.52	29	200	5.00	100'	1.00	----
FLX-300	3	3.58	29	200	7.50	100'	1.74	----
FLX-400	4	4.64	29	150	10.00	100'	2.48	----

Standard Length: 100'

Recommended Couplings: Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose.

FLEXCHEMS

APPLICATION:The (UHMW) Ultra High Molecular Weight polyethylene tube makes this one of the most versatile types of hose available to the chemical industry today. It will handle 94% of common chemical and petroleum products in both suction and discharge applications. This hose is very flexible due to its corrugated cover and low temperature characteristics. This hose can also be used in dry food applications due to its FDA Compliant tube.

COVER:Green chemical resistant EPDM rubber

REINFORCEMENT:High tensile wire helix embedded between layers of textile cords.

TUBE:Smooth chemical resistant (UHMW) Ultra High Molecular Weight polyethylene FDA Compliant tube

TEMPERATURE:-40C to +100C(-40F to +212F) Can be open end steam cleaned to 120C or 248F for 30 minutes

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
FLXS-100	1	1.46	29	200	4.00	100'	0.62	----
FLXS-200	2	2.60	29	200	6.00	100'	1.14	----
FLXS-300	3	3.62	29	200	8.00	100'	2.26	----
FLXS-400	4	4.65	29	200	12.00	100'	3.25	----

Standard Length: 100'

Recommended Couplings: Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

PETROLEUM STEAM AND CHEMICAL HOSE

HOSE ACCESSORIES

FLEXLITE PETROLEUM TANK 150



APPLICATION:An all purpose lightweight and flexible petroleum suction and discharge hose for use with gasoline, kerosene, diesel, oil suspensions and emulsions. May also be used as hydraulic suction and return line.
COVER:Black corrugated, abrasion, gasoline and oil resistant synthetic rubber with green stripe.
REINFORCEMENT:High tensile wire helix embedded between layers of textile cords.
TUBE:Black nitrile rubber for maximum oil resistance.
TEMPERATURE:-40C to +93C(-40F to +200F)

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
TTD150-200	2	2.53	29	150	4.00	100'	1.44	----
TTD150-300	3	3.62	29	150	6.00	100'	2.48	----
TTD150-400	4	4.72	29	150	9.00	100'	3.63	----

Standard Length: 100'

Product Info: Longer lengths available on request. Please check for availability and pricing

Recommended Couplings: Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

TANK TRUCK 150



APPLICATION: An all purpose petroleum suction and discharge hose for use with gasoline, kerosene, diesel, oil suspensions and emulsions. May also be used as hydraulic suction and return line.
COVER:Black, abrasion, gasoline and oil resistant synthetic rubber with red stripe and pressure.
REINFORCEMENT:High tensile wire helix embedded between layers of textile cords.
TUBE:Black nitrile rubber for maximum oil resistance.
TEMPERATURE:-35C to +93C(-30F to +200F)

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
TLBS150-100	1	1.42	29	150	3.00	100	0.57	----
TLBS150-150	1-1/2	1.93	29	150	4.00	100	0.81	----
TLBS150-200	2	2.52	29	150	4.50	100	1.38	----
TLBS150-300	3	3.54	29	150	7.00	100	2.19	----
TLBS150-400	4	4.68	29	150	10.00	100	3.56	----
TLBS150-600	6	6.89	29	150	21.00	100	6.65	----

Standard Length: 100'

Recommended Couplings: Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

PETROLEUM STEAM & CHEMICAL HOSE

HOSE ACCESSORIES

TANK TRUCK

APPLICATION:An all purpose petroleum suction and discharge hose for use with gasoline, kerosene, diesel, oil suspensions and emulsions. May also be used as hydraulic suction and return line.

COVER:Black, abrasion, gasoline and oil resistant synthetic rubber with blue stripe and pressure

REINFORCEMENT:High tensile wire helix embedded between layers of textile cords.

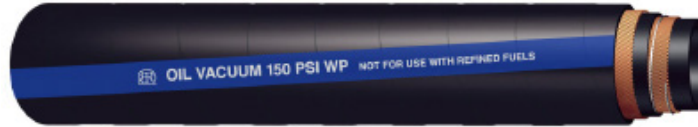
TUBE:Black nitrile rubber for maximum oil resistance.

TEMPERATURE:-35C to +93C(-30F to +200F)

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
TLB-075	3/4	1.14	29	150	3.00	100'	0.43	----
TLB-100	1	1.42	29	150	3.00	100'	0.57	----
TLB-125	1-1/4	1.65	29	150	3.50	100'	0.62	----
TLB-150	1-1/2	1.93	29	150	4.00	100'	0.81	----
TLB-200	2	2.52	29	150	4.50	100'	1.38	----
TLB-250	2-1/2	2.99	29	150	4.75	100'	1.72	----
TLB-400	4	4	29	150	10.00	100'	3.56	----
TLB-600	6	6	29	150	21.00	100'	6.65	----

OIL VACUUM - SMOOTH

• Corrugated oil vacuum hose available in Houston



APPLICATION:An all purpose petroleum suction and discharge hose for use with gasoline, kerosene, diesel, oil suspensions and emulsions. May also be used as hydraulic suction and return line.

COVER:Black, abrasion, gasoline and oil resistant synthetic rubber with red stripe and pressure.

REINFORCEMENT:High tensile wire helix embedded between layers of textile cords.

TUBE:Black nitrile rubber for maximum oil resistance.

TEMPERATURE:-35C to +93C(-30F to +200F)

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
OILVS-150	1-1/2	1.89	29	150	4.00	100	0.75	----
OILVS-200	2	2.43	29	150	4.50	100	1.07	----
OILVS-300	3	3.47	29	150	7.00	100	1.78	----
OILVS-400	4	4.52	29	150	10.00	100	2.58	----
OILVS-600	6	6.60	29	150	21.00	100	5.50	----

Standard Length: 100'

Recommended Couplings: Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

PETROLEUM STEAM AND CHEMICAL HOSE

HOSE ACCESSORIES

TANK TRUCK 300



APPLICATION:An all purpose petroleum suction and discharge hose for use with gasoline, kerosene, diesel, oil suspensions and emulsions up to 300 PSI. May also be used as hydraulic suction and return line.

COVER:Black, abrasion, gasoline and oil resistant synthetic rubber with red stripe and pressure

REINFORCEMENT:High tensile wire helix embedded between layers of textile cords.

TUBE:Black nitrile rubber for maximum oil resistance.

TEMPERATURE:-35C to +93C(-30F to +200F)

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
TLBS300-200	2	2.62	29	300	5.00	100'	1.43	----
TLBS300-300	3	3.67	29	300	7.00	100'	2.20	----
TLBS300-400	4	4.71	29	300	10.00	100'	3.63	----
TLBS300-600	6	6.91	29	300	21.00	100'	6.90	----

Standard Length: 100'

Recommended Couplings: Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

OIL VACUUM CORRUGATED



APPLICATION:Designed for transferring petroleum waste, sediments, sludge, diluted mild chemicals, brine and water in oil field tank and waste pit recovery applications, not suitable for refined petroleum products or high concentrations of chemicals

COVER:Black, corrugated abrasion oil resistant synthetic rubber with blue stripe and pressure

REINFORCEMENT:High tensile wire helix embedded between layers of textile cords.

TUBE:Black synthetic rubber for maximum oil resistance.

TEMPERATURE:-35C to +93C(-30F to +200F)

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
OILVC-200	2	2.44	29	150	4.00	100'	0.89	----
OILVC-300	3	3.46	29	150	6.00	100'	1.42	----
OILVC-400	4	4.52	29	150	9.00	100'	2.44	----

Standard Length: 100'

Recommended Couplings: Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

PETROLEUM STEAM AND CHEMICAL HOSE**HOSE ACCESSORIES****FRACLIN 400**

APPLICATION:For handling a wide range of petroleum products, including gasoline, as well as a number of chemical solutions. Specifically designed for use in Frac service.

COVER:Black, heat, oil and weather resistant Neoprene.

REINFORCEMENT:Multiple layers of synthetic textile cords, with static wire.

TUBE:Black, heat and oil resistant synthetic rubber.

TEMPERATURE:-35C to +88C(-30F to +190F)

PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
FRAC400-300	3	3.65	400	100'	1.80	----
FRAC400-400	4	4.80	400	100'	2.81	----
FRAC400-600	6	6.80	400	100'	5.20	----

Standard Length: 100'

Recommended Couplings: Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

PETROLEUM DISCHARGE

APPLICATION:For handling a wide range of petroleum products, including gasoline, as well as a number of chemical solutions.

COVER:Red, heat, oil and weather resistant Neoprene.

REINFORCEMENT:Multiple layers of synthetic textile cords, with static wire.

TUBE:Black, heat and oil resistant synthetic rubber.

TEMPERATURE:-35C to +88C(-30F to +190F)

PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
PDR-125	1-1/4	1.69	150	100'	0.58	----
PDR-150	1-1/2	1.97	150	100'	0.78	----
PDR-300	3	3.50	150	100'	1.64	----
PDR-400	4	4.57	150	100'	2.46	----
PDR-600	6	6.72	150	100'	3.89	----

Standard Length: 50'/100'

Recommended Couplings: Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference.



HELP US HELP YOU! [GO ONLINE TO UPDATE YOUR CUSTOMER PROFILE](#) SO THAT WE CAN UPDATE ALL THE APPROPRIATE DEPARTMENTS AND PERSONNEL AT YOUR COMPANY ON NEW CATALOGS, PRICING UPDATES, NEW MARKETING TOOLS, AND OTHER IMPORTANT INFORMATION. THANK YOU!

PETROLEUM STEAM AND CHEMICAL HOSE

HOSE ACCESSORIES

PETROLEUM DISCHARGE 250



APPLICATION:For handling a wide range of petroleum products, including gasoline, as well as a number of chemical solutions. Specifically designed for use in Frac service.

COVER:Black, heat, oil and weather resistant Neoprene.

REINFORCEMENT:Multiple layers of synthetic textile cords, with static wire.

TUBE:Black, heat and oil resistant synthetic rubber.

TEMPERATURE:-35C to +88C(-30F to +190F)

PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
PDB250-200	2	2.50	250	100'	1.14	----
PDB250-300	3	3.54	250	100'	1.80	----
PDB250-400	4	4.64	250	100'	2.81	----
PDB250-600	6	6.69	250	100'	5.20	----

Standard Length: 50'/100'

Recommended Couplings: Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

HOT TAR AND ASPHALT



APPLICATION:Specially designed for conveying hot tar and asphalt at temperatures up to 160 C (350 F).

COVER:Black Neoprene synthetic rubber.

REINFORCEMENT:High tensile wire helix embedded between multiple layers of heat resistant synthetic yarns

TUBE:Specially compounded heat resistant synthetic rubber compound.

TEMPERATURE:up to +177C(350F)

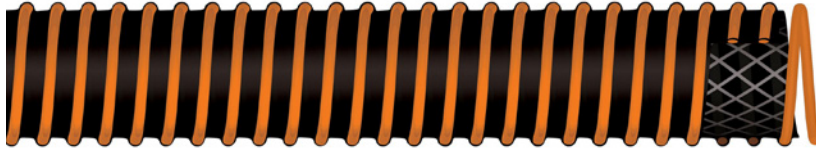
PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
HTA-300	3	3.77	150	100'	2.94	----
HTA-400	4	4.85	150	100'	4.20	----

Standard Length: 100'

Recommended Couplings: Cam and Grove, combination nipple. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

PETROLEUM STEAM AND CHEMICAL HOSE

HOSE ACCESSORIES

PETROLEUM TRANSFER

APPLICATION:For use with oil, fuel and grease transfer, oil slurry, hydrocarbons and animal fat handling. Features an external helix that protects the hose cover as well as enabling the hose to slide over rough surface. Static wire embedded in helix for ease of grounding.

COVER:Orange PVC Helix with built in static wire

REINFORCEMENT:High tensile synthetic textile yarn

TUBE:Specially formulated compound for fuel transfer

TEMPERATURE:-40C to +93C(-40F to +200F)

PART #	NOM. ID"	NOM. OD"	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
FLDROP-200	2	2.87	150	5.00	100'	1.29	----
FLDROP-400	4	5.00	75	12.00	100'	2.51	----

Standard Length: 50'/100'

Recommended Couplings: Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

STEAM 250 BLACK

APPLICATION:An extremely flexible hose for use with saturated steam at pressures to 250 PSI .

COVER:Black abrasion and heat resistant EPDM rubber, with embossed brand and pressure.

REINFORCEMENT:Multiple layers of high tensile steel cords.

TUBE:Black heat resistant EPDM synthetic rubber.

TEMPERATURE:-40C to +210C(-40F to +406F)

PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
ST250B-075-50	3/4	1.26	250	50'	0.48	----
ST250B-100-50	1	1.50	250	50'	0.60	----
ST250B-150-50	1-1/2	2.13	250	50'	1.10	----
ST250B-200-50	2	2.64	250	50'	1.48	----

Standard Length: 50'

Recommended Couplings: High Pressure with interlocking clamps



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PETROLEUM STEAM AND CHEMICAL HOSE

HOSE ACCESSORIES

STEAM 250



APPLICATION:An extremely flexible hose for use with saturated steam at pressures to 250 PSI .

COVER:Red abrasion and heat resistant EPDM rubber, with embossed brand and pressure.

REINFORCEMENT:Multiple layers of high tensile steel cords.

TUBE:Black heat resistant EPDM synthetic rubber.

TEMPERATURE:-40C to +210C(-40F to +406F)

PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
ST250-075-50	3/4	1.26	250	50'	0.48	----
ST250-075-100	3/4	1.26	250	100'	0.48	----
ST250-100-50	1	1.50	250	50'	0.60	----
ST250-100-100	1	1.50	250	100'	0.60	----
ST250-200-50	2	2	250	50'	1.48	----
ST250-200-100	2	2	250	100'	1.48	----
ST250-300	3	3	250	100'	3.40	----

Standard Length: 50'/100'

Product Info: Longer lengths available on request. Please check for availability and pricing

Recommended Couplings: High Pressure with interlocking clamps



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WATER SUCTION & DISCHARGE HOSE

HOSE ACCESSORIES

BLUE LAYFLAT

APPLICATION: A LIGHT DUTY LAYFLAT HOSE FOR PORTABLE PUMP AND IRRIGATION USE.

COVER: Blue PVC impregnation. REINFORCEMENT: Woven high tensile synthetic yarns. TUBE: Blue PVC impregnation.

TEMPERATURE: -10C to +55C (15F to +130F)

PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
BLAY-100	1	1.11	150	300	0.13	----
BLAY-125	1-1/4	1.37	130	300	0.15	----
BLAY-150	1-1/2	1.63	70	300	0.15	----
*BLAY-200	2	2.13	65	300	0.20	----
BLAY-250	2-1/2	2.63	65	300	0.27	----
*BLAY-300	3	3.13	60	300	0.33	----
*BLAY-400	4	4.14	60	300	0.46	----
*BLAY-600	6	6.15	35	300	0.78	----

Standard Length: Multiples of 50' up to 300' maximum

Product Info: Please specify length required when ordering, i.e. 50', 100'

Safety Info: Reduce pressures by 50% at maximum working temperature

Recommended Couplings: Cam and groove or short shank

BLUE LAYFLAT ASSEMBLY

PART #	ASSEMBLY DESCRIPTION	WEIGHT#	
BLAY-150-CASS	1-1/2" X 50' BLUE LAYFLAT +C/E CAMLOCK	7.00	----
BLAY-200-CASS	2" X 50' BLUE LAYFLAT +C/E CAMLOCK	12.20	----
*BLAY-300-CASS	3" X 50' BLUE LAYFLAT +C/E CAMLOCK	20.63	----
*BLAY-400-CASS	4" X 50' BLUE LAYFLAT +C/E CAMLOCK	29.49	----
BLAY-600-CASS	6" X 50' BLUE LAYFLAT +C/E CAMLOCK	51.08	----

*IN STOCK IN HOUSTON

WATER SUCTION & DISCHARGE HOSE

HOSE ACCESSORIES

BROWN LAYFLAT - HEAVY DUTY



APPLICATION: Heavy duty layflat hose for portable pump and irrigation use.

COVER: Brown PVC impregnation.

REINFORCEMENT: Woven high tensile synthetic yarns.

TUBE: Brown heavy PVC impregnation.

TEMPERATURE: -10C to +60C(15F to +140F)

PART #	NOM. ID"	NOM.OD"	PSI	STD PACK	WEIGHT#	
BRLAYHD-200	2	2.15	150	300'	0.26	----
BRLAYHD-300	3	3.19	150	300'	0.52	----
BRLAYHD-400	4	4.27	135	300'	0.74	----
BRLAYHD-600	6	6.26	115	300'	1.21	----

Successful people maintain a positive focus in life no matter what is going on around them. They stay focused on their past successes rather than their past failures, and on the next action steps they need to take to get them closer to the fulfillment of their goals rather than all the other distractions that life presents to them.

- Jack Canfield



VIEW PRICING AND AVAILABLE STOCK ONLINE

WATER SUCTION & DISCHARGE HOSE

HOSE ACCESSORIES

DURAFLEX - RUBBER LAYFLAT

APPLICATION:SPECIFICALLY MANUFACTURED TO COMPETE WITH OROFLEX IMITATION HOSE. THIS IS A LIGHTWEIGHT HIGH PRESSURE, EXTREMELY STRONG HOSE FOR GENERAL WATER DISCHARGE SERVICE. IDEAL FOR RENTAL SERVICE WHERE LONG LIFE AND

competitive pricing is paramount. Its compact characteristics make this an ideal hose for use with portable pumps. Especially suited for pumping oily contaminated water. COVER:Black abrasion, weather and oil resistant nitrile rubber. REINFORCEMENT:Circular woven synthetic yarns.

TUBE:Black abrasion and oil resistant nitrile rubber.

TEMPERATURE:-20C to +80C(0F to +180F)

PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
DURFL-200	2	2.18	200	300	0.31	----
*DURFL-300	3	3.22	175	300	0.59	----
*DURFL-400	4	4.24	150	300	0.65	----
*DURFL-600	6	6.26	150	300	1.10	----

Standard Length: 50'/100'

Product Info: 200 Lengths Will Be Shipped Unless Otherwise Specified On Duraflex

Recommended Couplings: Cam and groove, combination nipples or short shank. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

*IN STOCK IN HOUSTON

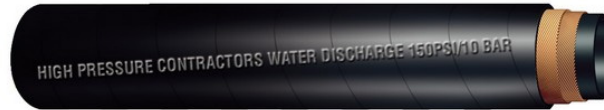
DURAFLEX - RUBBER LAYFLAT ASSEMBLY

PART #	ASSEMBLY DESCRIPTION	WEIGHT#	
DURFL-200-CASSP	2"x50' DURAFLEX + C/E CAMLOCK	14.20	----
DURFL-300-CASSP	3"x50' DURAFLEX + C/E CAMLOCK	21.63	----
DURFL-400-CASSP	4"x50' DURAFLEX + C/E CAMLOCK	28.99	----
DURFL-600-CASSP	6"x50' DURAFLEX + C/E CAMLOCK	51.67	----

WATER SUCTION & DISCHARGE HOSE

HOSE ACCESSORIES

HIGH PRESSURE CONTRACTORS WATER DISCHARGE



APPLICATION:For use on construction sites and general water service. High pressure allows pumping against greater vertical heads

COVER:Black abrasion and weather resistant synthetic rubber, with embossed brand and pressure.

REINFORCEMENT:Multiple layers of synthetic yarn.

TUBE:Black synthetic rubber compounded for water service.

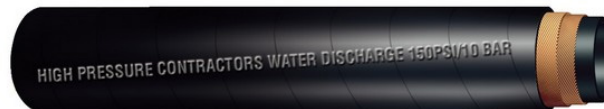
TEMPERATURE:-35C to +80C(-30F to +180F)

PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
HPCWB-150	1-1/2	1.77	150	100'	0.49	----
HPCWB-200	2	2.28	150	100'	0.48	----
HPCWB-300	3	3.35	150	100'	1.08	----
HPCWB-400	4	4.37	150	100'	1.38	----
HPCWB-600	6	6.46	150	100'	2.62	----

Standard Length: 50'/100'

Recommended Couplings: Cam and groove, combination nipples or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

HIGH PRESSURE WATER DISCHARGE 250



APPLICATION:For use on construction sites and general water service. High pressure allows pumping against greater vertical heads

COVER:Black abrasion and weather resistant synthetic rubber, with embossed brand and pressure.

REINFORCEMENT:Multiple layers of synthetic yarn.

TUBE:Black synthetic rubber compounded for water service.

TEMPERATURE:-35C to +80C(-30F to +180F)

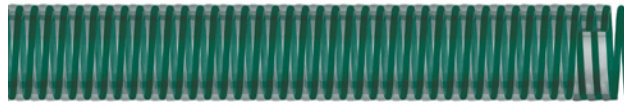
PART #	NOM. ID"	NOM. OD"	PSI	STD PACK	WEIGHT#	
HPCWB200-150	1-1/2			100'		----
HPCWB250-200	2	2.40	250	100'	1.15	----
HPCWB250-300	3	3.46	250	100'	1.60	----
HPCWB200-400	4	4.48	200	100'	2.15	----

Standard Length: 100'

Recommended Couplings: Cam and groove, combination nipples or short shank. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

WATER SUCTION & DISCHARGE HOSE

HOSE ACCESSORIES

SATURN GREEN PVC WATER S&D

APPLICATION:An economical, flexible hose for construction pumps, septic tank & marine pump-out service. Resistant to some chemicals, mild acids & alkalis. Consult us for recommendations.

COVER:Clear abrasion and weather resistant PVC.

REINFORCEMENT:Green PVC helix.

TUBE:Smooth clear PVC.

TEMPERATURE:-20C to +65C(-5F to +150F)

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
SATG-075	3/4	0.95	29	90	2.00	100	0.16	----
*SATG-100	1	1.24	29	85	3.00	100	0.26	----
*SATG-125	1-1/4	1.54	29	80	4.00	100	0.34	----
*SATG-150	1-1/2	1.81	29	70	6.00	100	0.44	----
*SATG-200	2	2.29	29	65	5.00	100	0.57	----
SATG-250	2-1/2	2.85	29	60	6.00	100	0.87	----
*SATG-300	3	3.43	29	60	12.00	100	1.21	----
SATG-400	4	4.45	29	50	10.00	100	1.78	----

Standard Length: 100'

Safety Info: Reduce pressures by 50% at maximum working temperature

Recommended Couplings: Cam and groove, combination nipple or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

*IN STOCK IN HOUSTON

SATURN OLIVE GREEN PVC WATER S&D

APPLICATION:AN ECONOMICAL, FLEXIBLE HOSE FOR CONSTRUCTION PUMPS, SEPTIC TANK & MARINE PUMP-OUT SERVICE. RESISTANT TO SOME CHEMICALS, MILD ACIDS & ALKALIS. CONSULT US FOR RECOMMENDATIONS.

COVER:Green abrasion and weather resistant PVC.

REINFORCEMENT:Green PVC helix

TUBE:Smooth green PVC

TEMPERATURE:-20C to +65C(-5F to +150F)

PART #	NOM. ID"	NOM. OD"	VACUUM	BEND RADIUS"	STD PACK	WEIGHT#	
*SATO-200	2	2.34	29	5.00	100	0.66	----
*SATO-300	3	3.46	29	12.00	100	1.24	----
SATO-400	4	4.49	29	10.00	100	1.85	----

Standard Length: 100'

Safety Info: Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature

Recommended Couplings: Cam and groove, combination nipple or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

WATER SUCTION & DISCHARGE HOSE

HOSE ACCESSORIES

SATURN PVC WATER S&D



APPLICATION:An economical, flexible hose for construction pumps, septic tank & marine pump-out service. Resistant to some chemicals, mild acids & alkalis. Consult us for recommendations. Specially formulated compounds and a slightly corrugated cover allow for increased flexibility at low temperatures.

COVER:Clear abrasion and weather resistant extra soft PVC.

REINFORCEMENT:Blue PVC helix. SAT-XXX-BLK - Black helix

TUBE:Smooth clear extra soft PVC.

TEMPERATURE:-40C to +65C(-40F to +150F)

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
SAT-200	2	2.35	26	35	5.00	100'	0.49	----
SAT-300	3	3.42	24	30	7.50	100'	0.81	----
SAT-400	4	4.50	22	25	10.00	100'	1.52	----
SAT-600	6	6.58	22	21	15.00	100'	2.72	----

Standard Length: 100'

Safety Info: Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature
Recommended Couplings: Cam and groove, combination nipple or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

SATURN WHITE PVC WATER SUCTION AND DISCHARGE HOSE



APPLICATION:An economical, flexible hose for construction pumps, septic tank & marine pump-out service. Resistant to some chemicals, mild acids & alkalis. Consult us for recommendations.

COVER:Clear abrasion and weather resistant PVC.

REINFORCEMENT:White PVC helix.

TUBE:Smooth clear PVC.

TEMPERATURE:-20C to +65C(-5F to +150F)

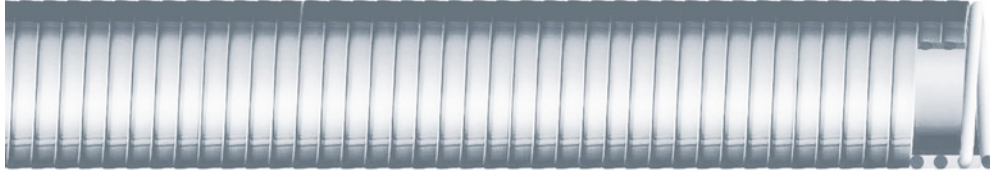
PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
SATW-100	1	1.18	29	85	3.00	100'	0.19	----
SATW-125	1-1/4	1.47	29	80	3.00	100'	0.29	----
SATW-150	1-1/2	1.72	29	70	4.00	100'	0.35	----
SATW-200	2	2.29	29	65	5.00	100'	0.57	----
SATW-300	3	3.35	29	55	8.00	100'	1.03	----
SATW-400	4	4.45	29	50	10.00	100'	1.78	----
SATW-600	6	6.56	29	40	24.00	100'	3.70	----

Standard Length: 100'

Safety Info: Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature
Recommended Couplings: Cam and groove, combination nipple or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

WATER SUCTION & DISCHARGE HOSE

HOSE ACCESSORIES

SUPERFLEX PVC SUCTION

APPLICATION:Specially designed for use in the installation of pool, spa and hot tubs. Can also be used in a variety of water transfer applications where flexible lines are needed to replace rigid piping.

COVER:Soft white PVC

REINFORCEMENT:White PVC helix

TUBE:Smooth white PVC

TEMPERATURE:-20C to +65C(-5F to +150F)

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
SUPER-200	2	2.39	29	70	7.00	100'	0.75	----

Standard Length: 100'

Product Info: Our warranty does not cover damage caused by rodents or any insect. Not for underground use in areas infested by termites.

Safety Info: Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature

Recommended Couplings: SCH40

RUBBER WATER S&D

APPLICATION:A heavy duty wire reinforced rubber suction hose for construction, quarries and general use.

COVER:Black smooth abrasion and weather resistant synthetic rubber. **REINFORCEMENT:**High tensile wire helix embedded between layers of textile cords. **TUBE:**Smooth black synthetic rubber.

TEMPERATURE:-30C to +80C(-22F to +180F)

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
WSB-125	1-1/4	1.65	29	150	4.00	100	0.77	----
*WSB-150	1-1/2	1.93	29	150	4.00	100	1.00	----
*WSB-200	2	2.48	29	150	5.00	100	1.37	----
*WSB-300	3	3.50	29	150	10.00	100	2.23	----
*WSB-400	4	4.64	29	150	14.00	100	3.73	----
*WSB-600	6	6.66	29	150	30.00	100	5.99	----

Standard Length: 3/4" to 4" - 50'/100' -- 5" and 6" - 20'/100' -- 8" - 20'/60' -- 10" - 40' -- 12" - 20'

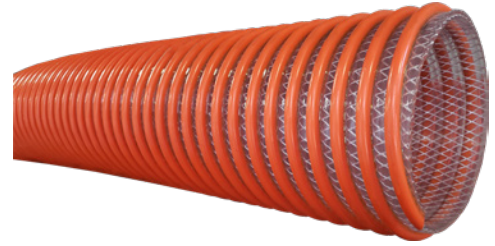
Recommended Couplings: Cam and groove, combination nipple or short shank. Crimplok cam and groove, Crimplok nipple. Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

*IN STOCK IN HOUSTON

WATER SUCTION & DISCHARGE HOSE

HOSE ACCESSORIES

TEXTILE REINFORCED S&D



APPLICATION:GOOD FOR BOTH SUCTION AND DISCHARGE APPLICATIONS, THIS HEAVY DUTY HOSE CAN BE USED FOR RENTAL/CONSTRUCTION PUMPING AS WELL AS FISH SUCTION HOSE.

COVER:Clear abrasion and weather resistant PVC. REINFORCEMENT:Orange PVC helix with high tensile synthetic textile yarn. TUBE:Smooth clear PVC.

TEMPERATURE:-23C to +65C(-10F to +150F)

PART #	NOM. ID"	NOM. OD"	VACUUM	PSI	BEND RADIUS"	STD PACK	WEIGHT#	
*RSPVC -200	2	2.59	29	110	4.00	100	0.65	----
*RSPVC-300	3	3.71	29	100	6.00	100	1.12	----
*RSPVC-400	4	4.78	29	80	7.00	100	1.74	----
*RSPVC-600	6	7.17	28	70	10.50	100	3.87	----

Standard Length: 100'

Safety Info: Reduce pressures by 50% at maximum working temperature

Recommended Couplings: Cam and groove, combination nipple or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.



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CRIMPLOK FERRULES PLATED

HOSE ACCESSORIES

**CRIMPLOK FERRULES STEEL PLATED FOR 3/4" HOSE - LD FOR UNIVERSAL**

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CFT-08106T-SP	3/4	FLPS075112	1.1875"	2.14"	0.04	----
CFT-08107T-SP	3/4	FLPS075114	1.2188"	2.14"	0.04	----
CFT-08108T-SP	3/4	FLPS075116	1.2500"	2.14"	0.04	----
CFT-08109T-SP	3/4	FLPS075118	1.2812	2.14"	0.04	----

Project Information: For use with CRIMPLOK Universal Crimp fittings (HE-XXXCR-SP). Ferrule thickness is .040"

CRIMPLOK FERRULES STEEL PLATED FOR 3/4" HOSE - HD FOR UNIVERSAL

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-05101S-SP	3/4	FPS050104S	1.0625"	1.41"	0.06	----

Project Information: For use with CRIMPLOK crimp ground joints (GJM/GJS-XXXCR-SP) I.D Tolerance = +/-0.012

CRIMPLOK FERRULES STEEL PLATED FOR 3/4" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-08105-SP	3/4	FPS075120	1.3125"	2.14"	0.06	----

Project Information: For use with CRIMPLOK Universal Crimp fittings (HE-XXXCR-SP). Ferrule thickness is .040"

CRIMPLOK FERRULES STEEL PLATED FOR 1" HOSE - LD FOR UNIVERSAL

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CFT-10114T-SP	1	FLPS100128	1.4375"	2.29"	0.04	----
CFT-10115T-SP	1	FLPS100130	1.4687"	2.29"	0.04	----
CFT-10117T-SP	1	FLPS100134	1.5000"	2.29"	0.04	----
CFT-10118T-SP	1	FLPS100136	1.5312"	2.29"	0.04	----

Project Information: For use with CRIMPLOK Universal Crimp fittings (HE-XXXCR-SP). Ferrule thickness is .040"

CRIMPLOK FERRULES STEEL PLATED FOR 1" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-10109-SP	1	FPS100136	1.5625"	2.29"	0.06	----
CF-10110-SP	1	FPS100140	1.6250"	2.29"	0.06	----
CF-10111-SP	1	FPS100144	1.6875"	2.29"	0.06	----

Project Information: For use with CRIMPLOK crimp cam and groove fitting (CGC/CGE-XXXCR-A1) and CRIMPLOK crimp combination nipples (CNT-XXXCR-SP) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STEEL PLATED FOR 1-1/4" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-13113-SP	1-1/4	FPS125152	1.8125"	2.32"	0.06	----
CF-13114-SP	1-1/4	FPS125156	1.8750"	2.32"	0.06	----

Project Information: For use with CRIMPLOK crimp cam and groove fitting (CGC/CGE-XXXCR-A1) and CRIMPLOK crimp combination nipples (CNT-XXXCR-SP) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES PLATED

HOSE ACCESSORIES



CRIMPLOK FERRULES STEEL PLATED FOR 1-1/2" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-15115-SP	1-1/2	FPS150160	1.9375"	2.36"	0.06	----
CF-15201-SP	1-1/2	FPS150204	2.0625"	2.36"	0.06	----
CF-15202-SP	1-1/2	FPS150208	2.1250"	2.36"	0.06	----
CF-15203-SP	1-1/2	FPS150212	2.1875"	2.36"	0.06	----
CF-15205-SP	1-1/2	FPS150220	2.3125	2.36"	0.06	----

Project Information: For use with CRIMPLOK crimp cam and groove fitting (CGE/CGE-XXXCR-A1) and CRIMPLOK crimp combination nipples (CNT-XXXCR-SP) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STEEL PLATED FOR 1-1/2" HOSE - LONG

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-15202L-SP	1-1/2	FPS150208L	2.1250"	2.91	0.06	----

Project Information: For use with CRIMPLOK ground joint fittings (GJM/GJS-XXXCR-SP) and CRIMPLOK long crimp combination nipples (CNL-XXXCR-SP) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STEEL PLATED FOR 2" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-20208-SP	2	FPS200232	2.5000"	2.79"	0.06	----
CF-20209-SP	2	FPS200236	2.5625"	2.79"	0.06	----
CF-20210-SP	2	FPS200240	2.6250"	2.79"	0.06	----
CF-20211-SP	2	FPS200244	2.6875"	2.79"	0.06	----
CF-20212-SP	2	FPS200248	2.7500"	2.79"	0.06	----
CF-20213-SP	2	FPS200252	2.8125"	2.79"	0.06	----
CF-20214-SP	2	FPS200256	2.8750"	2.79"	0.06	----
CF-20215-SP	2	FPS200260	2.9375"	2.79"	0.06	----

Project Information: For use with CRIMPLOK crimp cam and groove fitting (CGE/CGE-XXXCR-A1) and CRIMPLOK crimp combination nipples (CNT-XXXCR-SP) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STEEL PLATED FOR 2" HOSE - LONG

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-20209L-SP	2	FPS200236L	2.5625"	3.41"	0.06	----
CF-20211L-SP	2	FPS200244L	2.6875"	3.41"	0.06	----
CF-20212L-SP	2	FPS200248L	2.7500"	3.41"	0.06	----
CF-20213L-SP	2	FPS200252L	2.8125"	3.41"	0.06	----

Project Information: For use with CRIMPLOK ground joint fittings (GJM/GJS-XXXCR-SP) and CRIMPLOK long crimp combination nipples (CNL-XXXCR-SP) I.D. Tolerance = +/-0.012"



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CRIMPLOK FERRULES PLATED

HOSE ACCESSORIES

CRIMPLOK FERRULES STEEL PLATED FOR 2-1/2" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-25303-SP	2-1/2	FPS250312	3.1875"	3.11"	0.06	----

Project Information: For use with CRIMPLOK crimp cam and groove fitting (CGE/CGE-XXXCR-A1) and CRIMPLOK crimp combination nipples (CNT-XXXCR-SP) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STEEL PLATED FOR 2-1/2" HOSE - LONG

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-25303L-SP	2-1/2	FPS250312L	3.1875"	3.88"	0.06	----

Project Information: For use with CRIMPLOK ground joint fittings (GJM/GJS-XXXCR-SP) and CRIMPLOK long crimp combination nipples (CNL-XXXCR-SP) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STEEL PLATED FOR 3" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-30309-SP	3	FPS300336	3.5625"	3.94"	0.09	----
CF-30310-SP	3	FPS300340	3.6250"	3.94"	0.09	----
CF-30311-SP	3	FPS300344	3.6875"	3.94"	0.09	----
CF-30312-SP	3	FPS300348	3.7500"	3.94"	0.09	----
CF-30313-SP	3	FPS300352	3.8125"	3.94"	0.09	----
CF-30314-SP	3	FPS300356	3.8750"	3.94"	0.09	----
CF-30315-SP	3	FPS300360	3.9375"	3.94"	0.09	----
CF-30400-SP	3	FPS300400	4.000"	3.94"	0.09	----

Project Information: For use with CRIMPLOK crimp cam and groove fitting (CGE/CGE-XXXCR-A1) and CRIMPLOK crimp combination nipples (CNT-XXXCR-SP) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STEEL PLATED FOR 3" HOSE - LONG

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-30310L-SP	3	FPS300340L	3.6250"	4.36"	0.09	----
CF-30311L-SP	3	FPS300344L	3.6875"	4.36"	0.09	----
CF-30312L-SP	3	FPS300348L	3.7500"	4.36"	0.09	----
CF-30313L-SP	3	FPS300352L	3.8125"	4.36"	0.09	----
CF-30314L-SP	3	FPS300356L	3.8750"	4.36"	0.09	----
CF-30315L-SP	3	FPS300360L	3.9375"	4.36"	0.09	----
CF-30400L-SP	3	FPS300400L	4.000"	4.36"	0.09	----

Project Information: For use with CRIMPLOK crimp cam and groove fitting (CGE/CGE-XXXCR-A1) and CRIMPLOK crimp combination nipples (CNT-XXXCR-SP) I.D. Tolerance = +/-0.012"



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CRIMPLOK FERRULES PLATED

HOSE ACCESSORIES



CRIMPLOK FERRULES STEEL PLATED FOR 4" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-40409-SP	4	FPS400436	4.5625"	4.19"	0.09	----
CF-40410-SP	4	FPS400440	4.6250"	4.19"	0.09	----
CF-40411-SP	4	FPS400444	4.6875"	4.19"	0.09	----
CF-40412-SP	4	FPS400448	4.7500"	4.19"	0.09	----
CF-40413-SP	4	FPS400452	4.8125"	4.19"	0.09	----
CF-40414-SP	4	FPS400456	4.8750"	4.19"	0.09	----
CF-40415-SP	4	FPS400460	4.9375"	4.19"	0.09	----
CF-40500-SP	4	FPS400500	5.000"	4.19"	0.09	----
CF-40501-SP	4	FPS400504	5.0625"	4.19"	0.09	----

Project Information: For use with CRIMPLOK crimp cam and groove fitting (CGE/CGE-XXXCR-A1) and CRIMPLOK crimp combination nipples (CNT-XXXCR-SP) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STEEL PLATED FOR 4" HOSE - LONG

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-40410L-SP	4	FPS400440L	4.6250"	5.20"	0.09	----
CF-40411L-SP	4	FPS400444L	4.6875"	5.20"	0.09	----
CF-40412L-SP	4	FPS400448L	4.7500"	5.20"	0.09	----
CF-40413L-SP	4	FPS400452L	4.8125"	5.20"	0.09	----
CF-40414L-SP	4	FPS400456L	4.8750"	5.20"	0.09	----
CF-40415L-SP	4	FPS400460L	4.9375"	5.20"	0.09	----
CF-40500L-SP	4	FPS400500L	5.000"	5.20"	0.09	----
CF-40501L-SP	4	FPS400504L	5.0625"	5.20"	0.09	----

Project Information: For use with CRIMPLOK ground joint fittings (GJM/GJS-XXXCR-SP) and CRIMPLOK long crimp combination nipples (CNL-XXXCR-SP) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STEEL PLATED FOR 6" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-60610-SP	6	FPS600640	6.6250"	5.67"	0.12	----
CF-60612-SP	6	FPS600648	6.7500"	5.67"	0.12	----
CF-60614-SP	6	FPS600656	6.8750"	5.67"	0.12	----
CF-60702-SP	6	FPS600708	7.1250"	5.67"	0.12	----
CF-60704-SP	6	FPS600716	7.2500"	5.67"	0.12	----

Project Information: For use with CRIMPLOK ground joint fittings (GJM/GJS-XXXCR-SP) and CRIMPLOK long crimp combination nipples (CNL-XXXCR-SP) I.D. Tolerance = +/-0.012"



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CRIMPLOK FERRULES STAINLESS

HOSE ACCESSORIES

**CRIMPLOK FERRULES STAINLESS 304 FOR 1/2" HOSE**

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-05101-SS304	1/2	FSS050104	1.0625"	2.14"	0.06	----
CF-05102-SS304	1/2	FSS050108	1.1250"	2.14"	0.06	----

Project Information: For use with CRIMPLOK crimp ground joints (GJM/GJS-XXXCR-SP) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STAINLESS 304 FOR 3/4" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-08105-SS304	3/4	FSS075120	1.3125"	2.14"	0.06	----
CF-08106-SS304	3/4	FSS075124	1.3750"	2.14"	0.06	----
CF-08108-SS304	3/4	FSS075132	1.5000"	2.14"	0.06	----

Project Information: For use with CRIMPLOK crimp ground joints (GJM/GJS-XXXCR-SP) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STAINLESS 304 FOR 3/4" HOSE - LD FOR UNIVERSAL

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CFT-08104T-SS304	3/4	FLSS075108	1.1250"	2.14"	0.04	----
CFT-08106T-SS304	3/4	FLSS075112	1.1875"	2.14"	0.04	----
CFT-08107T-SS304	3/4	FLSS075114	1.2188"	2.14"	0.04	----
CFT-08108T-SS304	3/4	FLSS075116	1.2500"	2.14"	0.04	----
CFT-08109T-SS304	3/4	FLSS075118	1.2812"	2.14"	0.04	----

Project Information: For use with CRIMPLOK Universal crimp fittings (HE-XXXCR-SP) Ferrule thickness is .040"

CRIMPLOK FERRULES STAINLESS 304 FOR 1" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-10108-SS304	1	FSS100132	1.5000"	2.29"	0.06	----
CF-10109-SS304	1	FSS100136	1.5625"	2.29"	0.06	----
CF-10110-SS304	1	FSS100140	1.6250"	2.29"	0.06	----
CF-10111-SS304	1	FSS100144	1.6875"	2.29"	0.06	----

Project Information: For use with CRIMPLOK crimp cam and groove fitting (CGE/CGE-XXXCR-A1) and CRIMPLOK crimp combination nipples (CNT-XXXCR-SP) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STAINLESS 304 FOR 1" HOSE - LD FOR UNIVERSAL

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CFT-10117T-SS304	1	FLSS100134	1.5312"	2.29"	0.04	----

Project Information: For use with CRIMPLOK Universal crimp fittings (HE-XXXCR-SP) Ferrule thickness is .040"



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CRIMPLOK FERRULES STAINLESS

HOSE ACCESSORIES



CRIMPLOK FERRULES STAINLESS 304 FOR 1-1/4" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-13114-SS304	1-1/4	FSS125156	1.8750"	2.32"	0.06	----
CF-13115-SS304	1-1/4	FSS125160	1.9375"	2.32"	0.06	----

Project Information: For use with CRIMPLOK crimp cam and groove fitting (CGE/CGE-XXXCR-A1) and CRIMPLOK crimp combination nipples (CNT-XXXCR-SP) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STAINLESS 304 FOR 1-1/2" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-15115-SS304	1-1/2	FSS150160	1.9375"	2.36"	0.06	----
CF-15200-SS304	1-1/2	FSS150200	2.000"	2.36"	0.06	----
CF-15201-SS304	1-1/2	FSS150204	2.0625"	2.36"	0.06	----
CF-15202-SS304	1-1/2	FSS150208	2.1250"	2.36"	0.06	----
CF-15203-SS304	1-1/2	FSS150212	2.1875"	2.36"	0.06	----
CF-15204-SS304	1-1/2	FSS150216	2.2500"	2.36"	0.06	----
CF-15205-SS304	1-1/2	FSS150220	2.3125"	2.36"	0.06	----

Project Information: For use with CRIMPLOK crimp cam and groove fitting (CGE/CGE-XXXCR-A1) and CRIMPLOK crimp combination nipples (CNT-XXXCR-SS316) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STAINLESS 304 FOR 2" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-20208-SS304	2	FSS200232	2.5000"	2.79"	0.06	----
CF-20209-SS304	2	FSS200236	2.5625"	2.79"	0.06	----
CF-20210-SS304	2	FSS200240	2.6250"	2.79"	0.06	----
CF-20211-SS304	2	FSS200244	2.6875"	2.79"	0.06	----
CF-20212-SS304	2	FSS200248	2.7500"	2.79"	0.06	----
CF-20213-SS304	2	FSS200252	2.8125"	2.79"	0.06	----
CF-20214-SS304	2	FSS200256	2.8750"	2.79"	0.06	----

Project Information: For use with CRIMPLOK crimp cam and groove fitting (CGE/CGE-XXXCR-A1) and CRIMPLOK crimp combination nipples (CNT-XXXCR-SS316) I.D. Tolerance = +/-0.012"

CRIMPLOK FERRULES STAINLESS 304 FOR 3" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-30309-SS304	3	FSS300336	3.5625"	3.94"	0.10	----
CF-30310-SS304	3	FSS300340	3.6250"	3.94"	0.10	----
CF-30311-SS304	3	FSS300344	3.6875"	3.94"	0.10	----
CF-30312-SS304	3	FSS300348	3.7500"	3.94"	0.10	----
CF-30313-SS304	3	FSS300352	3.8125"	3.94"	0.10	----
CF-30314-SS304	3	FSS300356	3.8750"	3.94"	0.10	----
CF-30315-SS304	3	FSS300360	3.9375"	3.94"	0.10	----
CF-30400-SS304	3	FSS300400	4.000"	3.94"	0.10	----

Project Information: For use with CRIMPLOK crimp cam and groove fitting (CGE/CGE-XXXCR-A1) and CRIMPLOK crimp combination nipples (CNT-XXXCR-SS316) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES ALUMINUM

HOSE ACCESSORIES

CRIMPLOK FERRULES STAINLESS 304 FOR 4" HOSE

PART#	SIZE	CAMPBELL PART	FERRULE ID"	FERRULE LENGTH"	WALL THICKNESS	
CF-40410-SS304	4	FSS400440	4.6250"	4.19"	0.10	----
CF-40411-SS304	4	FSS400444	4.6875"	4.19"	0.10	----
CF-40412-SS304	4	FSS400448	4.7500"	4.19"	0.10	----
CF-40413-SS304	4	FSS400452	4.8125"	4.19"	0.10	----
CF-40414-SS304	4	FSS400456	4.8750"	4.19"	0.10	----
CF-40415-SS304	4	FSS400500	5.000"	4.19"	0.10	----

Project Information: For use with crimp cam and groove fitting (CGE/CGE-XXXCR-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

**CRIMPLOK SLEEVES ALUMINUM FOR 2" HOSE**

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-20209-A	2	SAL200236	2.5625"	2.79"	0.12	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXXCR-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES ALUMINUM FOR 2" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-20210-A	2	SAL200240	2.6250"	2.79"	0.12	----
CSL-20211-A	2	SAL200244	2.6875"	2.79"	0.12	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXXCR-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES ALUMINUM FOR 3" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-30310-A	3	SAL300340	3.6250"	3.94"	0.12	----
CSL-30313-A	3	SAL300352	3.8125"	3.94"	0.12	----
CSL-30314-A	3	SAL300356	3.8750"	3.94"	0.12	----
CSL-30315-A	3	SAL300360	3.9375"	3.94"	0.12	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXX-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES ALUMINUM FOR 4" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-40411-A	4	SAL400444	4.6875"	4.19"	0.12	----
CSL-40412-A	4	SAL400448	4.7500"	4.19"	0.12	----
CSL-40413-A	4	SAL400452	4.8125"	4.19"	0.12	----
CSL-40414-A	4	SAL400456	4.8750"	4.19"	0.12	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXX-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES PLATED

HOSE ACCESSORIES



CRIMPLOK SLEEVES STEEL PLATED FOR 2" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-08106-SP	3/4	SPS075124	1.3750"	2.14"	0.06	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXXCR-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STEEL PLATED FOR 3/4" HOSE - SHORT

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-05100S-SP	1/2	SPS050100S	1.0000"	0.91"	0.06	----
CSL-08102S-SP	3/4	SPS075108S	1.1250"	1.10"	0.06	----
CSL-08105S-SP	3/4	SPS075120S	1.3125"	1.10"	0.06	----

Project Information: For use with regular combination nipples (CNT-XXX-S/SP) and short shank fittings (PL-XXX-AD) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STEEL PLATED FOR 1" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-10107-SP	1	SPS100128	1.4375"	2.29"	0.06	----
CSL-10108-SP	1	SPS100132	1.5000"	2.29"	0.06	----
CSL-10109-SP	1	SPS100136	1.5625"	2.29"	0.06	----
CSL-10110-SP	1	SPS100140	1.6250"	2.29"	0.06	----
CSL-10111-SP	1	SPS100144	1.6875"	2.29"	0.06	----
CSL-10112-SP	1	SPS100148	1.7500"	2.29"	0.06	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXXCR-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STEEL PLATED FOR 1" HOSE - SHORT

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-10107S-SP	1	SPS100128S	1.4375"	2.26"	0.06	----
CSL-10108S-SP	1	SPS100132S	1.5000"	2.26"	0.06	----
CSL-10109S-SP	1	SPS100136S	1.5625"	2.26"	0.06	----
CSL-10111S-SP	1	SPS100144S	1.6875"	2.26"	0.06	----

Project Information: For use with regular combination nipples (CNT-XXX-S/SP) and short shank fittings (PL-XXX-AD) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STEEL PLATED FOR 1-1/4" HOSE - SHORT

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-13113S-SP	1-1/4	SPS125152S	1.8125"	1.26"	0.06	----
CSL-13114S-SP	1-1/4	SPS125156S	1.8750"	1.26"	0.06	----

Project Information: For use with regular combination nipples (CNT-XXX-S/SP) and short shank fittings (PL-XXX-AD) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES PLATED

HOSE ACCESSORIES

CRIMPLOK SLEEVES STEEL PLATED FOR 1-1/2" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-15112-SP	1-1/2	SPS150148	1.7500"	2.36"	0.06	----
CSL-15115-SP	1-1/2	SPS150160	1.9375"	2.36"	0.06	----
CSL-15200-SP	1-1/2	SPS150200	2.0000"	2.36"	0.06	----
CSL-15201-SP	1-1/2	SPS150204	2.0625"	2.36"	0.06	----
CSL-15202-SP	1-1/2	SPS150208	2.1250"	2.36"	0.06	----
CSL-15203-SP	1-1/2	SPS150212	2.1875"	2.36"	0.06	----
CSL-15204-SP	1-1/2	SPS150216	2.2500"	2.36"	0.06	----
CSL-15205-SP	1-1/2	SPS150220	2.3125"	2.36"	0.06	----
CSL-15206-SP	1-1/2	SPS150224	2.3750"	2.36"	0.06	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXXCR-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STEEL PLATED FOR 1-1/2" HOSE - SHORT

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-15202S-SP	1-1/2	SPS150208S	2.1250"	1.46"	0.06	----

Project Information: For use with regular combination nipples (CNT-XXX-S/SP) and short shank fittings (PL-XXX-AD) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STEEL PLATED FOR 2" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-20204-SP	2	SPS200216	2.2500"	2.79"	0.06	----
CSL-20206-SP	2	SPS200224	2.3750"	2.79"	0.06	----
CSL-20207-SP	2	SPS200228	2.4375"	2.79"	0.06	----
CSL-20208-SP	2	SPS200232	2.5000"	2.79"	0.06	----
CSL-20209-SP	2	SPS200236	2.5625"	2.79"	0.06	----
CSL-20210-SP	2	SPS200240	2.6250"	2.79"	0.06	----
CSL-20211-SP	2	SPS200244	2.6875"	2.79"	0.06	----
CSL-20212-SP	2	SPS200248	2.7500"	2.79"	0.06	----
CSL-20213-SP	2	SPS200252	2.8125"	2.79"	0.06	----
CSL-20214-SP	2	SPS200256	2.8750"	2.79"	0.06	----
CSL-20215-SP	2	SPS200260	2.9375"	2.79"	0.06	----
CSL-20300-SP	2	SPS200300	3.0000"	2.79"	0.06	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXX-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STEEL PLATED FOR 2" HOSE - SHORT

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-20206S-SP	2	SPS200224S	2.3750"	1.81"	0.06	----
CSL-20207S-SP	2	SPS200228S	2.4375"	1.81"	0.06	----
CSL-20209S-SP	2	SPS200236S	2.5625"	1.81"	0.06	----
CSL-20210S-SP	2	SPS200240S	2.6250"	1.81"	0.06	----
CSL-20211S-SP	2	SPS200244S	2.6875"	1.81"	0.06	----

Project Information: For use with regular combination nipples (CNT-XXX-S/SP) and short shank fittings (PL-XXX-AD) I.D. Tolerance = +/-0.012"



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CRIMPLOK SLEEVES PLATED

HOSE ACCESSORIES



CRIMPLOK SLEEVES STEEL PLATED FOR 2-1/2" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-25302-SP	2-1/2	SPS250308	3.1250"	3.11"	0.06	----
CSL-25306-SP	2-1/2	SPS250324	3.3750"	3.11"	0.06	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXXCR-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STEEL PLATED FOR 3" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-30304-SP	3	SPS300316	3.2500"	3.94"	0.09	----
CSL-30306-SP	3	SPS300324	3.3750"	3.94"	0.09	----
CSL-30307-SP	3	SPS300328	3.4375"	3.94"	0.09	----
CSL-30308-SP	3	SPS300332	3.5000"	3.94"	0.09	----
CSL-30309-SP	3	SPS300336	3.5625"	3.94"	0.09	----
CSL-30310-SP	3	SPS300340	3.6250"	3.94"	0.09	----
CSL-30311-SP	3	SPS300344	3.6875"	3.94"	0.09	----
CSL-30312-SP	3	SPS300348	3.7500"	3.94"	0.09	----
CSL-30313-SP	3	SPS300352	3.8125"	3.94"	0.09	----
CSL-30314-SP	3	SPS300356	3.8750"	3.94"	0.09	----
CSL-30400-SP	3	SPS300400	4.000"	3.94"	0.09	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXXCR-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STEEL PLATED FOR 3" HOSE - SHORT

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-30306S-SP	3	SPS300324S	3.3750"	2.44"	0.09	----
CSL-30308S-SP	3	SPS300332S	3.5000"	2.44"	0.09	----
CSL-30309S-SP	3	SPS300336S	3.5625"	2.44"	0.09	----
CSL-30310S-SP	3	SPS300340S	3.6250"	2.44"	0.09	----
CSL-30311S-SP	3	SPS300344S	3.6875"	2.44"	0.09	----
CSL-30312S-SP	3	SPS300348S	3.7500"	2.44"	0.09	----
CSL-30313S-SP	3	SPS300352S	3.8125"	2.44"	0.09	----
CSL-30314S-SP	3	SPS300356S	3.8750"	2.44"	0.09	----

Project Information: For use with regular combination nipples (CNT-XXX-S/SP) and short shank fittings (PL-XXX-AD) I.D. Tolerance = +/-0.012"



VIEW PRICING AND AVAILABLE STOCK ONLINE

CRIMPLOK SLEEVES PLATED

HOSE ACCESSORIES

CRIMPLOK SLEEVES STEEL PLATED FOR 4" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-40406-SP	4	SPS400424	4.3750"	4.19"	0.09	----
CSL-40408-SP	4	SPS400432	4.5000"	4.19"	0.09	----
CSL-40409-SP	4	SPS400436	4.5625"	4.19"	0.09	----
CSL-40410-SP	4	SPS400440	4.6250"	4.19"	0.09	----
CSL-40411-SP	4	SPS400444	4.6875"	4.19"	0.09	----
CSL-40412-SP	4	SPS400448	4.7500"	4.19"	0.09	----
CSL-40413-SP	4	SPS400452	4.8125"	4.19"	0.09	----
CSL-40414-SP	4	SPS400456	4.8750"	4.19"	0.09	----
CSL-40415-SP	4	SPS400460	4.9375"	4.19"	0.09	----
CSL-40500-SP	4	SPS400500	5.0000"	4.19"	0.09	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXXCR-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STEEL PLATED FOR 4" HOSE - SHORT

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-40410S-SP	4	SPS400440S	4.6250"	3.31"	0.09	----
CSL-40411S-SP	4	SPS400444S	4.6875"	3.31"	0.09	----
CSL-40412S-SP	4	SPS400448S	4.7500"	3.31"	0.09	----
CSL-40413S-SP	4	SPS400452S	4.8125"	3.31"	0.09	----
CSL-40414S-SP	4	SPS400456S	4.9375"	3.31"	0.09	----
CSL-40500S-SP	4	SPS400500S	5.0000"	3.31"	0.09	----

Project Information: For use with regular combination nipples (CNT-XXX-S/SP) and short shank fittings (PL-XXX-AD) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STEEL PLATED FOR 6" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-60604-SP	6	SPS600616	6.2500"	5.67"	0.12	----
CSL-60606-SP	6	SPS600624	6.3750"	5.67"	0.12	----
CSL-60608-SP	6	SPS600632	6.5000"	5.67"	0.12	----
CSL-60610-SP	6	SPS600640	6.6250"	5.67"	0.12	----
CSL-60612-SP	6	SPS600648	6.7500"	5.67"	0.12	----
CSL-60614-SP	6	SPS600656	6.8750"	5.67"	0.12	----
CSL-60700-SP	6	SPS600700	7.0000"	5.67"	0.12	----
CSL-60702-SP	6	SPS600708	7.1250"	5.67"	0.12	----
CSL-60704-SP	6	SPS600716	7.2500"	5.67"	0.12	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXXCR-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STEEL PLATED FOR 8" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-80812-SP	8	SPS800848	8.7500"	6.50"	0.12	----
CSL-80900-SP	8	SPS800900	9.0000"	6.50"	0.12	----
CSL-80904-SP	8	SPS800916	9.2500"	6.50"	0.12	----
CSL-80908-SP	8	SPS800932	9.5000"	6.50"	0.12	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXXCR-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STAINLESS

HOSE ACCESSORIES

CRIMPLOK SLEEVES STEEL PLATED FOR 10" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-100108-SP	10	SPS100132	10.5000"	7.25"	0.12	
CSL-100114-SP	10	SPS100156	10.8750"	7.25"	0.12	

Project Information: For use with cam and groove fitting (CGE/CGE-XXXCR-A1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"



CRIMPLOK SLEEVES STAINLESS 304 FOR 1/2" HOSE - SHORT

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-05100S-SS304	1/2	SSS050100S	1.000"	0.91"	0.06	----

Project Information: For use with regular combination nipples (CNT-XXX-SS/SS316) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STAINLESS 304 FOR 3/4" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-08104-SS304	3/4	SSS075116	1.2500"	2.14"	0.06	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXX-SS1), CRIMPLOK crimp long combination nipples (CNL-XXXCR-SP) and CRIMPLOK (CNT/G-XXXCS-S/P) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STAINLESS 304 FOR 3/4" HOSE - SHORT

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-08104S-SS304	3/4	SSS075116S	1.2500"	1.10"	0.06	----

Project Information: For use with regular combination nipples (CNT-XXX-SS/SS316) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STAINLESS 304 FOR 1" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-10108-SS304	1	SSS100132	1.5000"	2.29"	0.06	----
CSL-10110-SS304	1	SSS100140	1.6250"	2.29"	0.06	----
CSL-10112-SS304	1	SSS100148	1.7500"	2.29"	0.06	----

Project Information: For use with cam and groove fitting (CGE/CGE-XXX-SS1) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STAINLESS 304 FOR 1" HOSE - SHORT

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS	
CSL-10109S-SS304	1	SSS100136S	1.5625"	1.26"	0.06	----
CSL-10110S-SS304	1	SSS100140S	1.6250"	1.26"	0.06	----

Project Information: For use with regular combination nipples (CNT-XXX-SS/SS316) I.D. Tolerance = +/-0.012"

CRIMPLOK SLEEVES STAINLESS

HOSE ACCESSORIES

CRIMPLOK SLEEVES STAINLESS 304 FOR 1-1/4" HOSE

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS
CSL-13114-SS304	1-1/4	SSS125156	1.8750"	2.32"	0.06

Project Information: For use with cam and groove fitting (CGE/CGE-XXX-SS1) I.D. Tolerance = +/-0.012"**CRIMPLOK SLEEVES STAINLESS 304 FOR 1-1/4" HOSE - SHORT**

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS
CSL-13113S-SS304	1-1/4	SSS125152S	1.8125"	1.26"	0.06

Project Information: For use with regular combination nipples (CNT-XXX-SS/SS316) I.D. Tolerance = +/-0.012"**CRIMPLOK SLEEVES STAINLESS 304 FOR 1-1/2" HOSE**

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS
CSL-15201-SS304	1-1/2	SSS150204	2.0625"	2.36"	0.06

Project Information: For use with cam and groove fitting (CGE/CGE-XXX-SS1) I.D. Tolerance = +/-0.012"**CRIMPLOK SLEEVES STAINLESS 304 FOR 2" HOSE**

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS
CSL-20206-SS304	2	SSS200224	2.3750"	2.79"	0.06
CSL-20207-SS304	2	SSS200228	2.4375"	2.79"	0.06
CSL-20208-SS304	2	SSS200232	2.5000"	2.79"	0.06
CSL-20209-SS304	2	SSS200236	2.5625"	2.79"	0.06
CSL-20210-SS304	2	SSS200240	2.6250"	2.79"	0.06
CSL-20211-SS304	2	SSS200244	2.6875"	2.79"	0.06
CSL-20212-SS304	2	SSS200248	2.7500"	2.79"	0.06
CSL-20214-SS304	2	SSS200256	2.8750"	2.79"	0.06

Project Information: For use with cam and groove fitting (CGE/CGE-XXX-SS1) I.D. Tolerance = +/-0.012"**CRIMPLOK SLEEVES STAINLESS 304 FOR 3" HOSE**

PART#	SIZE	CAMPBELL PART	SLEEVE ID"	SLEEVE LENGTH"	WALL THICKNESS
CSL-30309-SS304	3	SSS300336	3.5625"	3.94"	0.10
CSL-30310-SS304	3	SSS300340	3.6250"	3.94"	0.10
CSL-30311-SS304	3	SSS300344	3.6875"	3.94"	0.10
CSL-30312-SS304	3	SSS300348	3.7500"	3.94"	0.10
CSL-30313-SS304	3	SSS300352	3.8125"	3.94"	0.10
CSL-30314-SS304	3	SSS300356	3.8750"	3.94"	0.10

Project Information: For use with cam and groove fitting (CGE/CGE-XXX-SS1) I.D. Tolerance = +/-0.012"

GO ONLINE TO VIEW OPEN ORDERS, ORDER HISTORY, AND TRACKING INFORMATION ON ALL SHIPMENTS

HOSE CLAMPS

HOSE CLAMPS

HOSE CLAMPS

PRICING FILE AVAILABLE ONLINE



	WORM GEAR		QUICK RELEASE
	MEGA & MAXI T-BOLT CLAMPS		SPRING LOADED T-BOLT
	CONSTANT TORQUE & V-BAND		DOUBLE BOLT CLAMP
	SPIRAL CLAMP MAXI CLAMP		MUFFLER & EXHAUST
	1 EAR, 2 EAR, GAPLESS		HAMMERLOCK & PUNCH-LOK
	TOOLS		NON-PERFORATED OR LINED BAND MARINE CLAMPS
	RUBBER LINED		HOSE FERRULES

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

CLAMPS

300 & 600 WORM GEAR CLAMPS

HOSE CLAMPS

WORM GEAR CLAMPS

MINIATURE CLAMPS - 5/16" BAND



Stainless Steel band with Carbon Steel Housing and Screw

300 Series

- 1/4" Hex Slotted Carbon Steel Screw
- 5/16" Wide 301 Stainless Steel Band
- Carbon Steel Housing

Applications: For marine, agricultural, industrial and automotive uses. Corrosion resistance varies with stainless components.

Mechanically interlocked, 3 piece construction for service sealing pressure without spot welding.

5/16" band, 1/4" screw

PART #	DIA. RANGE		BOX/CASE	
	MIN.	MAX.		
3000004	7/32"	5/8"	200/2400	----
3000005	7/16"	11/16"	200/2400	----
3000006	5/16"	7/8"	200/2400	----
3000008	7/16"	1"	200/1200	----
3000010	1/2"	1-1/16"	200/1200	----
3000012	9/16"	1-1/4"	200/1200	----
3000016	11/16"	1-1/2"	200/1200	----
3000020	7/8"	1-3/4"	200/1200	----

1/2" BAND CLAMPS



Stainless Steel band with Carbon Steel Housing and Screw

1/2" band, 5/16" screw

600 Series

- 5/16" Hex Slotted Carbon Steel Screw
- 1/2" Wide 201 Stainless Steel Band
- Carbon Steel Housing

Applications: A general purpose clamp for automobiles, plumbing, home and garden general clamping applications, with anti-corrosive properties varying with the number of components made from stainless steel.

- No PSI Rating
- 50lb/ Inch Torque Rating Die Set Function

PART #	#	DIA. RANGE		BAG/CASE	
		MIN.	MAX.		
600006	6	3/8"	7/8"	100/600	----
600008	8	7/16"	1"	100/600	----
600010	10	9/16"	1-1/16"	100/600	----
600012	12	9/16"	1-1/4"	100/600	----
600016	16	11/16"	1-1/2"	100/600	----
600020	20	3/4"	1-3/4"	100/300	----
600024	24	1-1/16"	2"	100/300	----
600028	28	1-5/16"	2-1/4"	100/300	----
600032	32	1-9/16"	2-1/2"	100/300	----
600036	36	1-13/16"	2-3/4"	50/200	----
600040	40	2-1/16"	3"	50/200	----
600044	44	2-5/16"	3-1/4"	50/200	----
600048	48	2-9/16"	3-1/2"	50/200	----
600052	52	2-13/16"	3-3/4"	25/100	----
600056	56	3-1/16"	4"	25/100	----
600060	60	3-5/16"	4-1/4"	25/100	----
600064	64	2-1/2"	4-1/2"	25/100	----
600072	72	3"	5"	25/100	----
600080	80	3-1/2"	5-1/2"	10/100	----
600088	88	4"	6"	10/100	----
600096	96	4-1/2"	6-1/2"	10/100	----
600104	104	5"	7"	10/100	----

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

325 & 611 WORM GEAR CLAMPS

HOSE CLAMPS

MINIATURE CLAMPS - 5/16" BAND



325 Series

- 1/4" Hex Slotted Carbon Steel Screw
- 5/16" Wide 301 Stainless Steel Band
- 301 Stainless Steel Housing

Applications: For agricultural, industrial and automotive uses. Corrosion resistance varies with stainless components.

Mechanically interlocked, 3 piece construction for service sealing pressure without spot welding.

Stainless Steel band and housing with Carbon Steel Screw

5/16" band, 1/4" screw

PART #	DIA. RANGE		BOX/CASE	
	MIN.	MAX.		
325004	7/32"	5/8"	200/2400	----
325005	7/16"	11/16"	200/2400	----
325006	5/16"	7/8"	200/2400	----
325008	7/16"	1"	200/1200	----
325010	1/2"	1-1/16"	200/1200	----
325012	9/16"	1-1/4"	200/1200	----
325016	11/16"	1-1/2"	200/1200	----
325020	7/8"	1-3/4"	200/1200	----

1/2" BAND CLAMPS



611 Series

- 5/16" Hex Slotted Carbon Steel Screw
- 1/2" Wide 201 Stainless Steel Band
- 301 Stainless Steel Housing

Applications: The perfect clamp for automobiles, plumbing, home and garden general clamping applications, with anti-corrosive properties varying with the number of components made from stainless steel.

- No PSI Rating
- 50lb/ Inch Torque Rating Die Set Function

Stainless Steel band and housing with Carbon Steel Screw

1/2" band, 5/16" screw

PART #	#	DIA. RANGE		BAG/CASE	
		MIN.	MAX.		
611006	6	3/8"	7/8"	100/600	----
611008	8	7/16"	1"	100/600	----
611010	10	9/16"	1-1/16"	100/600	----
611012	12	9/16"	1-1/4"	100/600	----
611016	16	11/16"	1-1/2"	100/600	----
611020	20	3/4"	1-3/4"	100/300	----
611024	24	1-1/16"	2"	100/300	----
611028	28	1-5/16"	2-1/4"	100/300	----
611032	32	1-9/16"	2-1/2"	100/300	----
611036	36	1-13/16"	2-3/4"	50/200	----
611040	40	2-1/16"	3"	50/200	----
611044	44	2-5/16"	3-1/4"	50/200	----
611048	48	2-9/16"	3-1/2"	50/200	----
611052	52	2-13/16"	3-3/4"	25/100	----
611056	56	3-1/16"	4"	25/100	----
611060	60	3-5/16"	4-1/4"	25/100	----
611064	64	2-1/2"	4-1/2"	25/100	----
611072	72	3"	5"	25/100	----
611080	80	3-1/2"	5-1/2"	10/100	----
611088	88	4"	6"	10/100	----
611096	96	4-1/2"	6-1/2"	10/100	----
611104	104	5"	7"	10/100	----
611116	116	5-3/4"	7-3/4"	100/100	----
611128	128	6-1/2"	8-1/2"	100/100	----
611152	152	2"	10"	100/100	----
611164	164	1-3/4"	10-3/4"	100/100	----
611176	176	9-1/4"	11-1/4"	100/100	----
611188	188	2-1/16"	12-1/4"	100/100	----
611200	200	11"	13"	100/100	----
611212	212	11-3/4"	13-3/4"	100/100	----
611224	224	12-1/2"	14-1/2"	100/100	----
611248	248	10-3/4"	16"	100/100	----
611270	270	15-3/8"	17-3/8"	100/100	----
611312	312	18"	20"	100/100	----
611332	332	19-1/8"	21-1/4"	100/100	----
611390	390	22-7/8"	24-7/8"	100/100	----

350 & 620 WORM GEAR CLAMPS

HOSE CLAMPS

MINIATURE CLAMPS - 5/16" BAND



350 Series

- 1/4" Hex Slotted 410 Stainless Steel Screw
- 5/16" Wide 301 Stainless Steel Band
- 301 stainless Steel Housing
- 6mm thick

All Stainless Steel
5/16" band, 1/4" screw

PART #	DIA. RANGE		BOX/CASE	
	MIN.	MAX.		
350004	7/32"	5/8"	200/2400	----
350005	7/16"	11/16"	200/2400	----
350006	5/16"	7/8"	200/2400	----
350008	7/16"	1"	200/1200	----
350010	1/2"	1-1/16"	200/1200	----
350012	9/16"	1-1/4"	200/1200	----
350016	11/16"	1-1/2"	200/1200	----
350020	7/8"	1-3/4"	200/1200	----

Applications: For agricultural, industrial and automotive uses. Corrosion resistance varies with stainless components.

Mechanically interlocked, 3 piece construction for service sealing pressure without spot welding.

1/2" WIDE BAND CLAMPS (12.70MM)



620 Series

- 5/16" Hex Slotted 305 Stainless Steel Screw
- 1/2" Wide 301 Stainless Steel Band
- 301 Stainless Steel Housing
- 60mm Thickness
- Use for underground and other high corrosive applications.
- For a sure grip application.
- Especially suited to industrial applications

All Stainless Steel
1/2" band, 5/16" screw

PART #	#	DIA. RANGE		BOX/CASE	
		MIN.	MAX.		
620006	6	3/8"	7/8"	100/600	----
620008	8	7/16"	1"	100/600	----
620010	10	9/16"	1-1/16"	100/600	----
620012	12	9/16"	1-1/4"	100/600	----
620016	16	11/16"	1-1/2"	100/600	----
620020	20	3/4"	1-3/4"	100/300	----
620024	24	1-1/16"	2"	100/300	----
620028	28	1-5/16"	2-1/4"	100/300	----
620032	32	1-9/16"	2-1/2"	100/300	----
620036	36	1-13/16"	2-3/4"	50/200	----
620040	40	2-1/16"	3"	50/200	----
620044	44	2-5/16"	3-1/4"	50/200	----
620048	48	2-9/16"	3-1/2"	50/200	----
620052	52	2-13/16"	3-3/4"	25/100	----
620056	56	3-1/16"	4"	25/100	----
620060	60	3-5/16"	4-1/4"	25/100	----
620064	64	2-1/2"	4-1/2"	25/100	----
620072	72	3"	5"	25/100	----
620080	80	3-1/2"	5-1/2"	10/100	----
620088	88	4"	6"	10/100	----
620096	96	4-1/2"	6-1/2"	10/100	----
620104	104	5"	7"	10/100	----
620116	116	5-3/4"	7-3/4"	100/100	----
620128	128	6-1/2"	8-1/2"	100/100	----
620152	152	2"	10"	100/100	----
620164	164	1-3/4"	10-3/4"	100/100	----
620176	176	9-1/4"	11-1/4"	100/100	----
620188	188	9.9"	12-1/4"	100/100	----
620200	200	11"	13"	100/100	----
620212	212	11-3/4"	13-3/4"	100/100	----
620224	224	12-1/2"	14-1/2"	100/100	----
620248	248	10-3/4"	16"	100/100	----
620270	270	15-3/8"	17-3/8"	100/100	----
620312	312	18"	20"	100/100	----
620332	332	19-1/8"	21-1/4"	100/100	----
620390	390	22-7/8"	24-7/8"	100/100	----

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

#316 MARINE WORM GEAR CLAMPS

HOSE CLAMPS

MINIATURE CLAMPS - 5/16" BAND



All #316 SS for Marine Environments

5/16" band, 1/4" screw

PART #	DIA. RANGE		BOX/CASE	
	MIN.	MAX.		
350004SS	7/32"	5/8"	200/2400	----
350005SS	7/16"	11/16"	200/2400	----
350006SS	5/16"	7/8"	200/2400	----
350008SS	7/16"	1"	200/1200	----
350010SS	1/2"	1-1/16"	200/1200	----
350012SS	9/16"	1-1/4"	200/1200	----
350016SS	11/16"	1-1/2"	200/1200	----
350020SS	7/8"	1-3/4"	200/1200	----

350SS Series

- 1/4" Hex Slotted 316 Stainless Steel Screw
- 316 Stainless Steel Band
- 8mm wide
- 60 mm thick
- 316 stainless Steel Housing

Applications: For marine, agricultural, industrial and automotive uses. Corrosion resistance varies with stainless components.

Mechanically interlocked, 3 piece construction for service sealing pressure without spot welding.

1/2" WIDE BAND CLAMPS (12.70MM)



All #316 SS for Marine Environments

1/2" band, 5/16" screw

ALL 316SS PART #	#	DIA. RANGE		BOX/CASE	
		MIN.	MAX.		
620006SS	6	3/8"	7/8"	100/600	----
620008SS	8	7/16"	1"	100/600	----
620010SS	10	9/16"	1-1/16"	100/600	----
620012SS	12	9/16"	1-1/4"	100/600	----
620016SS	16	11/16"	1-1/2"	100/600	----
620020SS	20	3/4"	1-3/4"	100/300	----
620024SS	24	1-1/16"	2"	100/300	----
620028SS	28	1-5/16"	2-1/4"	100/300	----
620032SS	32	1-9/16"	2-1/2"	100/300	----
620036SS	36	1-13/16"	2-3/4"	50/200	----
620040SS	40	2-1/16"	3"	50/200	----
620044SS	44	2-5/16"	3-1/4"	50/200	----
620048SS	48	2-9/16"	3-1/2"	50/200	----
620052SS	52	2-13/16"	3-3/4"	25/100	----
620056SS	56	3-1/16"	4"	25/100	----
620060SS	60	3-5/16"	4-1/4"	25/100	----
620064SS	64	2-1/2"	4-1/2"	25/100	----
620072SS	72	3"	5"	25/100	----

620SS Series

- 5/16" Hex Slotted 316 Stainless Steel Screw
- 1/2" Wide 316 Stainless Steel Band
- 316 Stainless Steel Housing
- 60mm Thickness
- Use for marine, underground and other high corrosive applications.



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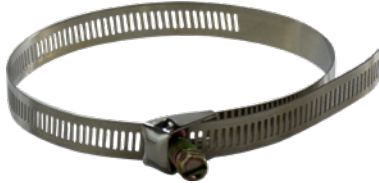
QUICK RELEASE

HOSE CLAMPS

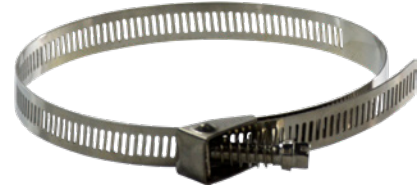
QUICK RELEASE**500/550 SERIES**

These clamps feature a unique quick release design between the one piece housing and band allowing for quick and easy installation in restricted or difficult areas.

Applications: Quick release action permits easy installation in applications where clamp must be opened to be applied. Quick release clamps are used extensively in the telecommunications industry on cable enclosures where open air application demands durability.



Open/Close design allows easy installation.

**500 Series**

- 5/16" Hex Slotted Carbon Steel Screw
- 1/2" 301 Stainless Steel band
- 301 Stainless Steel Housing
- 410 Stainless Steel Bridge

550 Series

- 5/16" Hex Slotted 410 Stainless Steel Screw
- 1/2" 301 Stainless Steel band
- 301 Stainless Steel Housing
- 410 Stainless Steel Bridge

PART #	#	DIA. RANGE		PART #	
		MIN.	MAX.		
500012	12	1/2"	1-1/4"	550012	----
500020	20	3/4"	1-3/4"	550020	----
500028	28	1"	2-1/4"	550028	----
500036	36	1"	2-3/4"	550036	----
500048	48	1-1/2"	3-1/2"	550048	----
500056	56	1"	4"	550056	----
500072	72	2"	5"	550072	----
500088	88	2-1/16"	6"	550088	----
500104	104	1-3/4"	7"	550104	----
500128	128	1-3/4"	8-9/16"	550128	----
500152	152	2"	10"	550152	----
500188	188	2-1/16"	12-5/16"	550188	----
500216	216	10-3/16"	14"	550216	----
500248	248	10-3/4"	16"	550248	----
500280	280	14-1/4"	18"	550280	----
	312	14"	20"	550312	----



GO ONLINE TO UPLOAD YOUR LOGO TO UTILIZE ALL OF OUR CUSTOMIZABLE TOOLS!

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

T-BOLT CLAMPS

HOSE CLAMPS

T-Bolt Clamps

- All designs meet SAE J1508 specifications.
- .025" Band Thickness
- 3/4" Wide Band
- Band Material: 301 Series Stainless Steel
- Bolt Material: 304 Series Stainless Steel
- Nut Material: 304 Series Stainless Steel
- Nuts are Self-locking
- Torque Rating 75 in/lb

Opens 1/16" above and tightens 1/8" smaller
 then nominal I.D. for a total of 3/16" range
 for clamps sizes 150 through 250. Opens
 1/16" above and tightens 7/32" smaller
 then nominal I.D. for clamps sizes 256
 through 750.



Purpose: To provide a quick, yet effective means of clamping a variety of fittings to a wide range of hose. T-Bolts can be applied with a standard 7/16" socket wrench. They provide 3600 sealing surface by using a shoe or formed bridge.

Services: The T-Bolt clamp is a high strength, reliable clamp with numerous applications in both the commercial and industrial markets including hose and ductwork connections for air, oil, water, other types of low pressure fluid lines, engine air intake, exhaust, hose and filters.

ALL STAINLESS STEEL

NOMINAL SIZE	O.D. RANGE		PART#	
	FROM:	TO:		
1-1/4	1-5/32"	1-15/32"	840131	----
1-1/2	1-3/8"	1-9/16"	840150	----
1-3/4	1-5/8"	1-13/16"	840175	----
1-7/8	1-3/4"	1-15/16"	840188	----
2	1-7/8"	2-1/16"	840200	----
2-1/4	2-1/8"	2-5/16"	840225	----
2-3/8	2-1/4"	2-7/16"	840238	----
2-1/2	2-3/8"	2-9/16"	840250	----
2-9/16	2-11/32"	2-5/8"	840256	----
2-5/8	2-13/32"	2-11/16"	840263	----
2-3/4	2-17/32"	2-13/16"	840275	----
2-7/8	2-21/32"	2-15/16"	840288	----
3	2-25/32"	3-1/16"	840300	----
3-1/8	2-29/32"	3-3/16"	840312	----
3-1/4	3-1/32"	3-5/16"	840325	----
3-1/2	3-9/32"	3-9/16"	840350	----
3-3/4	3-17/32"	3-13/16"	840375	----
3-53/64	3-19/32"	3-7/8"	840382	----
4	3-25/32"	4-1/16"	840400	----
4-1/4	4-1/32"	4-5/16"	840425	----
4-1/2	4-9/32"	4-9/16"	840450	----
4-3/4	4-17/32"	4-13/16"	840475	----
5	4-25/32"	5-1/16"	840500	----
5-1/4	5-1/32"	5-5/16"	840525	----
5-1/2	5-9/32"	5-9/16"	840550	----
5-3/4	5-17/32"	5-13/16"	840575	----
6	5-25/32"	6-1/16"	840600	----
6-1/4	6-1/32"	6-5/16"	840625	----
6-1/2	6-9/32"	6-9/16"	840650	----
6-3/4	6-17/32"	6-13/16"	840675	----
7	6-25/32"	7-1/16"	840700	----
7-1/2	7-9/32"	7-9/16"	840750	----
8	7-25/32"	8-1/16"	840800	----
8-1/4	8-9/32"	8-9/16"	840850	----
8-7/8	8-21/32"	8-15/16"	840888	----
10-7/8	10-21/32"	10-15/16"	8401088	----

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

HOSE CLAMPS

HOSE CLAMPS

mega clamps

Rugged heavy duty wide band clamps for use in medium duty air and water, general industrial, automotive, food and agricultural applications.

MEGAKLAMP

IMPORT

Megaklamp Series

Clamp sizes for hose O.D. from 17 mm to 252 mm

Yellow zinc plated steel Band/Bridge/Trunnion/Sleeve/Bolt

Band gauge from 0.6 mm to 1.7 mm depending upon clamp size

Band width from 18 mm to 26 mm depending upon clamp size

Bolt size from 5 mm to 10 mm depending upon clamp size

PART #	SIZE MM	DECIMAL MIN"	DECIMAL MAX"	WIDTH	
MKL-019-SP	17-19	0.67	0.75	1.02	----
MKL-022-SP	20-22	0.79	0.87	1.02	----
MKL-025-SP	23-25	0.87	0.98	1.02	----
MKL-028-SP	26-28	1.02	1.10	1.02	----
MKL-031-SP	29-31	1.14	1.22	1.02	----
MKL-035-SP	32-35	1.26	1.38	1.02	----
MKL-039-SP	36-39	1.42	1.54	1.02	----
MKL-043-SP	40-43	1.57	1.69	0.87	----
MKL-047-SP	44-47	1.73	1.85	0.87	----
MKL-051-SP	48-51	1.89	2.01	0.87	----
MKL-055-SP	52-55	2.05	2.17	0.87	----
MKL-059-SP	56-59	2.20	2.32	0.87	----
MKL-063-SP	60-63	2.36	2.48	0.87	----
MKL-067-SP	64-67	2.52	2.64	0.94	----
MKL-073-SP	68-73	2.68	2.87	0.94	----
MKL-079-SP	74-79	2.91	3.11	0.94	----
MKL-085-SP	80-85	3.15	3.35	0.94	----
MKL-091-SP	86-91	3.39	3.58	0.94	----
MKL-097-SP	92-97	3.62	3.82	0.94	----
MKL-103-SP	98-103	3.86	4.06	0.94	----
MKL-112-SP	104-112	4.09	4.41	0.94	----
MKL-121-SP	113-121	4.45	4.76	0.94	----
MKL-130-SP	122-130	4.80	5.12	0.94	----
MKL-139-SP	131-139	5.16	5.47	1.02	----
MKL-148-SP	140-148	5.51	5.83	1.02	----
MKL-161-SP	149-161	5.87	6.34	1.02	----
MKL-174-SP	162-174	6.38	6.85	1.02	----
MKL-187-SP	175-187	6.89	7.36	1.02	----
MKL-200-SP	188-200	7.40	7.87	1.02	----
MKL-213-SP	201-213	7.91	8.39	1.02	----
MKL-226-SP	214-226	8.43	8.90	1.02	----
MKL-239-SP	227-239	8.94	9.41	1.02	----

M6 MAXI CLAMP LIGHT

IMPORT

M6 Maxiclamp Series

Clamp sizes for hose O.D. from 23 mm to 43 mm

Silver (clear) zinc plated steel Band/Bridge/Trunnion/Sleeve/Bolt

Band gauge from 0.6 mm to 0.8 mm depending upon clamp size

Band width from 18 mm to 20 mm depending upon clamp size

Bolt size from 5 mm to 6 mm depending upon clamp size

PART #	SIZE MM	DECIMAL MIN"	DECIMAL MAX"	WIDTH	
M6-23	23-25	0.87	1.01	0.71	----
M6-26	26-28	1.02	1.13	0.71	----
M6-29	29-31	1.14	1.25	0.79	----
M6-32	32-35	1.26	1.41	0.79	----
M6-36	36-39	1.42	1.56	0.79	----
M6-40	40-43	1.57	1.72	0.79	----

M6 STAINLESS MAXI CLAMP LIGHT

PART #	SIZE MM	DECIMAL MIN"	DECIMAL MAX"	WIDTH	
M6S-23	23-25	0.87	1.01	0.71	----
M6S-26	26-28	1.02	1.13	0.71	----
M6S-29	29-31	1.14	1.25	0.79	----
M6S-32	32-35	1.26	1.41	0.79	----
M6S-36	36-39	1.42	1.56	0.79	----
M6S-40	40-43	1.57	1.72	0.79	----

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



HOSE CLAMPS

HOSE CLAMPS

M8 MAXI CLAMP STANDARD

IMPORT



M8 Maxiclamp Series

Clamp sizes for hose O.D. from 44 mm to 130 mm

Silver (clear) zinc plated steel Band/Bridge/Trunnion/Sleeve

8 mm silver zinc plated bolt

Band gauge from 1.2 mm to 1.5 mm depending upon clamp size

Band width from 22 mm to 24 mm depending upon clamp size

PART #	SIZE MM	DECIMAL MIN"	DECIMAL MAX"	WIDTH	
M8-44	44-47	1.73	1.88	0.87	----
M8-48	48-51	1.89	2.04	0.87	----
M8-52	52-55	2.05	2.17	0.87	----
M8-56	56-59	2.20	2.35	0.87	----
M8-60	60-63	2.36	2.51	0.87	----
M8-64	64-67	2.52	2.67	0.87	----
M8-68	68-73	2.68	2.90	0.94	----
M8-74	74-79	2.91	3.14	0.94	----
M8-80	80-85	3.15	3.38	0.94	----
M8-86	86-91	3.39	3.61	0.94	----
M8-92	92-97	3.62	3.85	0.94	----
M8-98	98-103	3.86	4.08	0.94	----
M8-104	104-112	4.09	4.44	0.94	----
M8-113	113-121	4.45	4.79	0.94	----
M8-122	122-130	4.80	5.15	0.94	----

M8 MAXI CLAMP STANDARD

IMPORT



M8S Maxiclamp Series

Clamp sizes for hose O.D. from 44 mm to 130 mm

301 Stainless steel Band/Bridge/Trunnion/Sleeve

8 mm A2-70 Stainless steel bolt

0.8 mm thick band

Band width from 22 mm to 24 mm depending upon clamp size

PART #	SIZE MM	DECIMAL MIN"	DECIMAL MAX"	WIDTH	
M8S-44	44-47	1.73	1.88	0.87	----
M8S-48	48-51	1.89	2.04	0.87	----
M8S-52	52-55	2.05	2.17	0.87	----
M8S-56	56-59	2.20	2.35	0.87	----
M8S-60	60-63	2.36	2.51	0.87	----
M8S-64	64-67	2.52	2.67	0.87	----
M8S-68	68-73	2.68	2.90	0.94	----
M8S-74	74-79	2.91	3.14	0.94	----
M8S-80	80-85	3.15	3.38	0.94	----
M8S-86	86-91	3.39	3.61	0.94	----
M8S-92	92-97	3.62	3.85	0.94	----
M8S-98	98-103	3.86	4.08	0.94	----
M8S-104	104-112	4.09	4.44	0.94	----
M8S-113	113-121	4.45	4.79	0.94	----
M8S-122	122-130	4.80	5.15	0.94	----
M8S-131	131-139	5.16	5.50	1.02	----
M8S-140	140-148	5.51	5.86	1.02	----
M8S-149	149-161	5.87	6.37	1.02	----
M8S-162	162-174	6.38	6.88	1.02	----

M10 MAXI CLAMP HEAVY

IMPORT



M10S Maxiclamp Series

Select sizes available

301 Stainless steel Band/Bridge/Trunnion/Sleeve

10 mm A2-70 Stainless steel bolt

1.7 mm thick x 26 mm wide band

PART #	SIZE MM	DECIMAL MIN"	DECIMAL MAX"	WIDTH	
M10-131	131-139	5.16	5.50	1.02	----
M10-140	140-148	5.51	5.86	1.02	----
M10-149	149-161	5.87	6.37	1.02	----
M10-162	162-174	6.38	6.88	1.02	----
M10-175	175-187	6.89	7.39	1.02	----
M10-188	188-200	7.40	7.86	1.02	----
M10-201	201-213	7.91	8.42	1.02	----
M10-214	214-226	8.43	8.90	1.02	----
M10-227	227-239	8.94	9.44	1.02	----
M10-240	240-252	9.45	9.92	1.02	----

SPRING LOADED T-BOLT

HOSE CLAMPS

SPRING LOADED T-BOLT HOSE CLAMP

- Per SAE standard J1508 Type "SLTB"
- .025 Band Thickness
- 3/4 (19mm) band width
- Heavy duty springs
- Band Material: 300 stainless
- T-bolt: Carbon steel w/ zinc plating
- Housing (Bridge): 300 Stainless
- Hex nut: Carbon Steel, Nylon insert
- Torque rating: 150 in-lbs (8.5 mm)



Purpose: To provide constant tension performance to compensate for the expansion and contraction when temperatures fluctuate. Provides high strength and a 360° seal. Tighten with a 7/16" wrench or hex nutdriver.

Services: Designed for use in high vibration and large diameter applications common in heavy trucks, industrial machinery, off road equipment, agricultural irrigation and machinery, for air intake and coolant adapter

PART #	SAE #	MIN - MAX	WGT	BOX QTY	
844213	40	2.13 - 2.44	0.170	100	----
844225	44	2.25 - 2.56	0.174	100	----
844238	48	2.38 - 2.69	0.179	100	----
844250	52	2.50 - 2.81	0.181	100	----
844263	56	2.63 - 2.94	0.183	100	----
844275	60	2.75 - 3.06	0.185	100	----
844300	68	3 - 3.31	0.187	100	----
844306	70	3.06 - 3.38	0.190	100	----
844313	72	3.13 - 3.44	0.192	100	----
844325	76	3.25 - 3.56	0.194	100	----
844338	80	3.38 - 3.69	0.196	100	----
844350	84	3.50 - 3.81	0.196	100	----
844356	86	3.56 - 3.88	0.196	100	----
844363	88	3.63 - 3.94	0.198	100	----
844375	92	3.75 - 4.06	0.198	100	----
844406	102	4.06 - 4.38	0.203	100	----
844413	104	4.13 - 4.44	0.209	100	----
844425	108	4.25 - 4.56	0.214	100	----
844456	118	4.56 - 4.88	0.216	100	----
844500	132	5 - 5.31	0.218	100	----
844525	140	5.25 - 5.56	0.220	100	----
844600	164	6 - 6.31	0.223	100	----
844625	172	6.25 - 6.56	0.225	100	----

Automatically adjust diameter for hose expansion and contraction due to temperature changes.



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Constant Torque Hose Clamps

- All designs meet SAE J1508 specifications type "SLHD"
- .028 Band thickness
- Band material: 304 thickness
- Band width: 9/16" for 45in-lb
5/8" for 90in-lb
- Band material: 304 stainless
- Housing: 304 stainless steel
- Bridge: 410 stainless steel
- Hex screw: 410 stainless steel



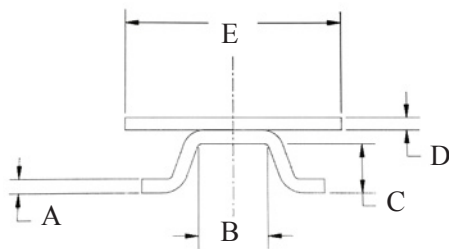
Purpose: To eliminate leaks by automatically increasing or decreasing the clamps diameter, decreasing the need for retightening. Constant torque clamps have an extended tail on the band to protect soft hose or tube from being cut.

Services: Constant torque clamps are an excellent choice for fluctuating and extreme temperature applications and thermal compensation.

PART #	CLAMPING RANGE	BAND WIDTH	TORQUE	SCREW SIZE	WGT	BOX QTY	
842010	9/16" - 1 1/16"	9/16"	72 in-lb	5/16"	0.106	100	----
842012	11/16" - 1 1/4"	9/16"	72 in-lb	5/16"	0.108	100	----
842016	13/16" - 1 1/2"	9/16"	72 in-lb	5/16"	0.112	100	----
842020	13/16" - 1 3/4"	9/16"	72 in-lb	5/16"	0.119	100	----
842024	1 1/16" - 2"	9/16"	72 in-lb	5/16"	0.121	100	----
842200	1 1/4" - 2 1/8"	5/8"	130 in-lb High	3/8"	0.207	100	----
842250	1 3/4" - 2 5/8"	5/8"	130 in-lb High	3/8"	0.216	100	----
842300	2 1/4" - 3 1/8"	5/8"	130 in-lb High	3/8"	0.220	100	----
842350	2 3/4" - 3 5/8"	5/8"	130 in-lb High	3/8"	0.225	100	----
842400	3 1/4" - 4 1/8"	5/8"	130 in-lb High	3/8"	0.231	100	----
842450	3 3/4" - 4 5/8"	5/8"	130 in-lb High	3/8"	0.238	100	----
842500	4 1/4" - 5 1/8"	5/8"	130 in-lb High	3/8"	0.256	100	----
842550	4-3/4"-5-5/8"	5/8"	130 in-lb High	3/8"	0.284	100	----

V-BAND HOSE CLAMPS

- Band thickness: see chart
- Band width: see chart
- Band material: 300 stainless
- Trunnion: 300 stainless
- 1/4" T-bolt: 300 Ziac plated steel



Purpose: to provide a fast, secure coupling for connecting flanged joints.

Services: V-Band clamps feature high strength and positive sealing integrity for applications including: heavy duty diesel engine exhaust and turbochargers, filter housings, emissions and general industrial applications.

PART#	NOMINAL DIAMETER	V-INSERT SECTIONS			BANDS		WGT	BOX QTY	
		A	B	C	D	E			
843321	3.21	0.050	0.262	0.141	0.035	0.750	0.525	100	----
843382	3.82	0.077	0.207	0.281	0.040	0.875	0.531	100	----
843388	3.88	0.050	0.400	0.281	0.040	0.875	0.536	100	----
843450	4.50	0.077	0.207	0.281	0.040	0.875	0.547	100	----
843461	4.61	0.050	0.156	0.281	0.035	0.750	0.549	100	----
843475	4.75	0.050	0.400	0.281	0.040	0.875	0.553	100	----
843525	5.25	0.050	0.262	0.141	0.035	0.750	0.567	100	----
843588	5.88	0.050	0.400	0.281	0.040	0.875	0.575	100	----

HOSE CLAMPS

HOSE CLAMPS

DOUBLE BOLT CLAMPS

IMPORT

DBC Series

Rugged, heavy duty two bolt clamps
with saddles
Zinc plated ductile iron clamps and
saddles
Zinc plated carbon steel bolt and nuts



PART #	SIZE	SIZE RANGE	MAX TORQUE FT LBS	
DBC-40-DP	1-5/16	1-5/16" - 1-19/32"	20	----
DBC-60-DP	1-7/8	1-7/8" - 2-3/8"	25	----
DBC-76-DP*	2-3/8	2-3/8" - 3-1/16"	25	----
DBC-94-DP*	3-1/2	3-1/2" - 3-11/16"	40	----
DBC-400-DP*	3-1/2	3-1/2" - 4"	40	----
DBC-431-DP	3-13/16	3-13/16" - 4-1/16"	40	----
DBC-463-DP	4-1/16	4-1/16" - 4-7/16"	40	----
DBC-525-DP*	4-3/16	4-3/16" - 5"	60	----
DBC-550-DP*	5	5" - 5-1/2"	60	----
DBC-600-DP*	5-1/2	5-1/2" - 5-15/16"	60	----
DBC-639-DP	5-11/16	5-11/16" - 5-15/16"	60	----
DBC-675-DP*	6-1/8	6-1/8" - 6-7/8"	60	----
DBC-769-DP*	6-15/16	6-15/16" - 7-5/8"	60	----
DBC-818-DP	7-11/16	7-11/16" - 8-3/16"	125	----
DBC-875-DP*	8-1/4	8-1/4" - 8-7/8"	125	----
DBC-988-DP*	8-15/16	8-15/16" - 9-7/8"	125	----
DBC-1125-DP*	9-15/16	9-15/16" - 11-3/8"	125	----
DBC-1275-DP*	11-3/16	11-3/16" - 13"	125	----
DBC-1360-DP	12-3/16	12-3/16" - 14"	200	----

*IN STOCK IN HOUSTON



R88 Series

IMPORT

Rugged, heavy duty two bolt clamps
without saddles
Zinc plated ductile iron clamp
Zinc plated carbon steel bolt and nuts



PART #	SIZE	SIZE RANGE	MAX TORQUE FT LBS	
R88DB-12-DP*	1-1/8	1-1/8" - 1-1/4"	15	----
R88DB-16-DP*	1-3/8	1-3/8" - 1-1/2"	20	----
R88DB-20-DP*	1-5/8	1-5/8" - 1-3/4"	25	----
R88DB-24-DP*	2	2" - 2-1/8"	25	----
R88DB-32-DP*	2-1/4	2-1/4" - 2-3/8"	30	----

*IN STOCK IN HOUSTON



SEE WEBSITE TO DOWNLOAD YOUR MOST UPDATED PRICING

HOSE CLAMPS

HOSE CLAMPS

SC SPIRAL CLAMP SERIES

Spiral wound clamps specifically designed for use on heavily corrugated suction hoses. Available in left hand (counter clockwise) and right hand (clockwise) spiral. Zinc plated steel construction.



IMPORT



PART #	LIST	HOSE ID	O.D. RANGE MM	PART #	
SC-200R-SP*	----	2"	51 - 56	SC-200L-SP	----
SC-250R-SP	----	2-1/2"	61 - 76	SC-250L-SP	----
SC-300R-SP*	----	3"	76 - 90	SC-300L-SP	----
SC-400R-SP*	----	4"	106 - 118	SC-400L-SP	----
SC-500R-SP	----	5"	129 - 140	SC-500L-SP	----
SC-600R-SP*	----	6"	151 - 170	SC-600L-SP	----
SC-800R-SP	----	8"	198 - 217	SC-800L-SP	----
SC-1000R-SP	----	10"	274 - 290	SC-1000L-SP	----
SC-1200R-SP	----	12"	304 - 329	SC-1200L-SP	----

*IN STOCK IN HOUSTON



IMPORT

M10DC MAXICLAMP SERIES

Clamp sizes for hose O.D. from 131 mm to 252 mm

Silver (clear) zinc plated steel Band/Bridge/Trunnion/Sleeve/Bolt

10 mm silver zinc plated steel bolts

1.7 mm thick x 30 mm wide band

Suggested installation torque 30 Nm (22 Ft lbs)

Minimum breaking torque 40 Nm (29.5 ft.lbs.)

PART #	SIZE MM	RANGE	
M10DC-86	86 - 91	3.38" - 3.58"	----
M10DC-92	92 - 97	3.62" - 3.82"	----
M10DC-104	104 - 112	4.09" - 4.41"	----
M10DC-113	113 - 121	4.45" - 4.76"	----
M10DC-122	122 - 130	4.80" - 5.12"	----
M10DC-131	131 - 139	5.16" - 5.47"	----
M10DC-140	140 - 148	5.51" - 5.83"	----
M10DC-149	149 - 161	5.87" - 6.34"	----
M10DC-162	162 - 174	6.38" - 6.85"	----
M10DC-175	175 - 187	6.89" - 7.36"	----
M10DC-188	188 - 200	7.40" - 7.87"	----
M10DC-200	200 - 220	7.87" - 8.66"	----
M10DC-220	220 - 240	8.66" - 9.45"	----
M10DC-240	240 - 260	9.45" - 10.24"	----
M10DC-260	260 - 280	10.24" - 11.02"	----
M10DC-280	280 - 300	11.02" - 11.81"	----
M10DC-300	300 - 325	11.81" - 12.80"	----
M10DC-325	325 - 350	12.80" - 13.78"	----
M10DC-350	350 - 375	13.78" - 14.76"	----
M10DC-375	375 - 400	14.76" - 15.75"	----
M10DC-400	400 - 425	15.75" - 16.73"	----
M10DC-425	425 - 450	17.73" - 17.72"	----
M10DC-450	450 - 475	17.72" - 18.70"	----



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MUFFLER

HOSE CLAMPS

MUFFLER Clamps

Muffler Clamps are designed with elongated and tapered holes that pulls the legs around the pipe as the nuts tighten, making a tight seal. Other clamp legs do not wrap around the pipe, they stay straight and the clamp only connects at two points.

- Carbon steel band, housing and bridge
- All muffler clamps are zinc plated for superior corrosion resistance
- Heavy duty U-Bolt and band construction
- 3/8 U-bolt
- Base 2.4mm

SADDLE



PART #	SIZE	WGT	BOX QTY	
841175	1-3/4"	0.335	50	----
841200	2"	0.410	50	----
841250	2-1/2"	0.448	50	----
841300	3"	0.582	50	----
841350	3-1/2"	0.741	50	----
841400	4"	0.847	25	----
841450	4-1/2"	1.023	25	----
841500	5"	1.067	25	----

FLAT BAND



PART #	SIZE	WGT	BOX QTY	
841004	4"	0.847	25	----
841005	5"	1.093	25	----

GUILLOTINE - PROVIDES A COMPLETE 360° HEAVY DUTY SEAL



PART #	SIZE	WGT	BOX QTY	
841040	4"	0.820	25	----
841045	4-1/2"	0.847	25	----
841050	5"	0.988	25	----



VIEW PRICING AND AVAILABLE STOCK ONLINE

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



EXHAUST Clamps

Complete with:

- One metal band - 76mm width
- One spacer
- Two bolts
- Two reaction blocks
- Individually boxed

- Pre-attached hardware for easy and accurate installation.

- Conforms to pipe and flex tubing to create the best seal available without distorting any pipes.

ALUMINIZED STEEL BUTT CLAMPS

- .7mm band thickness
- 76mm band width



PART #	SIZE	WGT	BOX QTY	
845200	2"	0.970	50	----
845300	3"	1.058	50	----
845350	3.50"	1.102	50	----
845400	4"	1.146	50	----
845500	5"	1.235	50	----
845600	6"	1.323	50	----

*Light pattern .5mm band thickness

ALUMINIZED STEEL LAP CLAMPS

- .7mm band thickness
- 76mm band width



PART #	SIZE	WGT	BOX QTY	
846200	2"	0.970	50	----
846250	2.50"	1.014	50	----
846275	2.75"	1.036	50	----
846300	3"	1.058	50	----
846350	3.50"	1.102	50	----
846400	4"	1.146	50	----
846500	5"	1.235	50	----

STAINLESS STEEL LAP CLAMPS

- .5mm band thickness
- 76mm band width



PART #	SIZE	WGT	BOX QTY	
847200	2"	0.926	50	----
847250	2.50"	0.970	50	----
847275	2.75"	0.992	50	----
847300	3"	1.014	50	----
847350	3.50"	1.058	50	----
847400	4"	1.102	50	----
847500	5"	1.190	50	----
847600	6"	1.279	50	----

STAINLESS STEEL EASY-FORM CLAMPS

- .5mm band thickness
- 76mm band width



PART #	SIZE	WGT	BOX QTY	
848200	2"	0.926	50	----
848225	2.25"	0.948	50	----
848250	2.50"	0.970	50	----
848275	2.75"	0.992	50	----
848300	3"	1.014	50	----
848350	3.50"	1.058	50	----
848400	4"	1.102	50	----
848500	5"	1.190	50	----
848600	6"	1.279	50	----
848700	7"	1.367	50	----

WARNING: This product can expose you to chemicals, including chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

CARBON STEEL 1-EAR

HOSE CLAMPS

CARBON STEEL 1-EAR CLAMPS

1-Ear Clamps are intended for low pressure applications such as automotive (not fuel lines), appliances, industrial machinery, underground irrigation systems and beverage dispensing equipment. They are specifically designed for mass production applications where inexpensive clamps are needed.

Pressure:

As a guideline, 1-Ear Clamps have held

30 bar - 441 psi.

This was done using a static water pressure test.

• 100 PER BAG



Material:

Hot dipped galvanized carbon steel band - G90

PART #	REF#	NOMINAL SIZE	INCHES		
			CLOSE	OPEN	
1050000	105	3/8"	0.350	0.414	----
1050001	113	7/16"	0.381	0.444	----
1050002	123	15/32"	0.394	0.486	----
1050003	133	1/2"	0.453	0.524	----
1050006	140	35/64"	0.472	0.551	----
1050007	145	9/16"	0.496	0.571	----
1050008	157	5/8"	0.543	0.618	----
1050009	170	11/16"	0.594	0.669	----
1050010	185	23/32"	0.618	0.728	----
1050011	198	3/4"	0.669	0.779	----
1050012	210	13/16"	0.716	0.827	----
1050013	226	7/8"	0.779	0.890	----
1050014	241	15/16"	0.839	0.949	----
1050015	256	1"	0.898	1.008	----
1050016	271	1-1/16"	0.945	1.067	----
1050017	286	1-1/8"	1.004	1.126	----
1050018	301	1-3/16"	1.063	1.185	----
1050020	331	1-5/16"	1.181	1.303	----
1050021	346	1-3/8"	1.240	1.362	----
1050023	376	1-15/32"	1.358	1.480	----
1050025	396	1-9/16"	1.437	1.559	----
1050026	410	1-5/8"	1.492	1.614	----
1050029	455	1-3/4"	1.669	1.791	----
1050030	470	1-16/16"	1.728	1.850	----
1050032	500	1-15/16"	1.846	1.968	----
1050033	515	2"	1.905	2.028	----

The art of communication is the language of leadership. - James Humes

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HOSE CLAMPS

HOSE CLAMPS

EAR CLAMPS

2-EAR PINCH CLAMPS

Robust, durable one-piece design offers positive, tamper resistant seal for air and fluid media lines smooth edges prevent damage to hose designed for one time use only

CIRCLE CLAMP 2 EAR

White zinc plated carbon steel



PART #	SIZE	CLOSED	OPEN	
CC-1113	1/2	0.433	0.512	----
CC-1315	9/16	0.512	0.591	----
CC-1517	19/32	0.591	0.669	----
CC-1518	5/8	0.591	0.709	----
CC-1720	3/4	0.669	0.787	----
CC-2023	7/8	0.787	0.906	----
CC-2225	15/16	0.866	0.984	----
CC-2327	1	0.906	1.063	----
CC-2528	1-1/16	0.984	1.102	----
CC-2731	1-1/8	1.063	1.220	----
CC-3134	1-5/16	1.220	1.339	----
CC-3437	1-7/16	1.339	1.457	----
CC-3740	1-1/2	1.457	1.575	----

GAPLESS EAR CLAMPS

Features

- Assured clamping seal
- For low durometer and/ or thin-walled hose/ tubing
- Perfect for silicon, vinyl, polyurethane or other high tech materials used in all industries.
- Once installed, smooth inner band circumference prevents damage to the hose while the unique tongue-in-groove design provides a 360° seal
- There are no steps or gaps inside clamp



Material

- Stainless steel tubing UNS S30400 or DIN 1.4301
- 100 PER BAG

PART #	NOMI- NAL SIZE	BAND WIDTH	INCHES		
			CLOSE	OPEN	
16700001	9/32"	5mm	0.228	0.276	----
16700004	3/8"	5mm	0.307	0.374	----
16700007	7/16"	5mm	0.378	0.445	----
16700010	1/2"	7mm	0.425	0.524	----
16700012	35/64"	7mm	0.453	0.551	----
16700013	9/16"	7mm	0.472	0.571	----
16700016	5/8"	7mm	0.520	0.618	----
16700017	11/16"	7mm	0.571	0.669	----
16700022	3/4"	7mm	0.654	0.780	----
16700024	13/16"	7mm	0.701	0.827	----

hammerlock CLAMPS

HAMMERLOCK CPHL SERIES

Double wrapped galvanized steel band preformed to a given diameter and ready for application.



IMPORT



PART #	SIZE	WIDTH	
CPHL-03	1-3/16"	3/8"	----
CPHL-04	1"	5/8"	----
CPHL-05*	1-1/4"	5/8"	----
CPHL-06	1-1/2"	5/8"	----
CPHL-07*	1-3/4"	5/8"	----
CPHL-08*	2"	5/8"	----
CPHL-09	2-1/4"	5/8"	----
CPHL-10*	2-1/2"	5/8"	----
CPHL-11*	2-3/4"	5/8"	----
CPHL-12	3"	5/8"	----
CPHL-14*	3-1/2"	5/8"	----
CPHL-16*	4"	5/8"	----
CPHL-18	4-1/2"	5/8"	----
CPHL-20*	5"	5/8"	----
CPHL-24*	6"	5/8"	----
CPHL-26	6-1/2"	5/8"	----
CPHL-28*	7"	5/8"	----
CPHL-32	8"	5/8"	----

*IN STOCK IN HOUSTON

HAMMERLOCK CPHLS SERIES

Double wrapped stainless steel band preformed to a given diameter and ready for application. Stainless steel lok for strength.

IMPORT



PART #	SIZE	WIDTH	
CPHLS-04*	1"	5/8"	----
CPHLS-05*	1-1/4"	5/8"	----
CPHLS-06*	1-1/2"	5/8"	----
CPHLS-07*	1-3/4"	5/8"	----
CPHLS-08*	2"	5/8"	----
CPHLS-09*	2-1/4"	5/8"	----
CPHLS-10*	2-1/2"	5/8"	----
CPHLS-11*	2-3/4"	5/8"	----
CPHLS-12*	3"	5/8"	----
CPHLS-14*	3-1/2"	5/8"	----
CPHLS-16*	4"	5/8"	----
CPHLS-18*	4-1/2"	5/8"	----
CPHLS-20*	5"	5/8"	----
CPHLS-24*	6"	5/8"	----
CPHLS-28*	7"	5/8"	----
CPHLS-32	8"	5/8"	----

*IN STOCK IN HOUSTON

CLAMPING TOOLS

HOSE CLAMPS

MODEL 1098 I STANDARD JAW PINCERS

Domestic

PART #		
OETP-1098		----

Import

PART #		
CCP-1098		----



PART #		
1410118		----

SIDE JAW PINCERS

This dual purpose, side jaw design allows clamps to be applied or removed in confined areas with pincers held parallel to the hose. Also used like standard Pincers.

Domestic



PART #		
1410083	Model 10991	----

TPT TOOLS AND PARTS



PART #		
TPT-1		----

HOSE CRIMPER



HOSE CRIMPER COMES WITH 5 DIES
Die Sizes = 5/8", 37/64", 12/32", 31/64", 11/16"

PART #		
308070	Hose Crimper	----

LOKING TOOL



PART #		
F38		----

Portable hand tool used to apply punch Type 3/8 & 5/8 Clamps

BUCHANAN TYPE



LOKING TOOL



PART #		
F40		----

Used to apply Punch Type 3/8 & 5/8 clamps. Order mallet separately

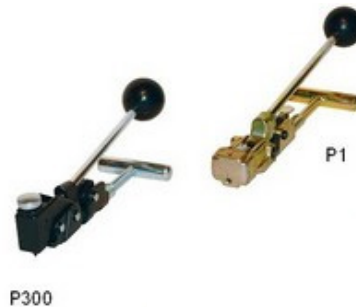
LOKING TOOL



Used to apply Punch Type 3/8 & 5/8 clamps. Order mallet separately

PART #		
F100		----

LOKING TOOL HD



PART #		
P1	HEAVY DUTY	----
P300	IMPORTED VERSION	----

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

LINED BAND CLAMPS

HOSE CLAMPS



Features unique one-piece housing, rolled-up band edges and a non-perforated (embossed) band that protects the hose. For added corrosion resistance, the band in the 12mm Standard is made of Aluzinc which gives three times the protection offered by conventional galvanized steel.

- Features high clamping force and high durability torque.
 - Stainless: All parts in AISI 304 Stainless Steel.
- A non-perforated band with rolled up edges eliminates hose damage while increasing clamping force. Per SAE standard J1508 Type "FEO"

GENERAL PURPOSE EMBOSSED WORM-GEAR HOSE CLAMPS

- Minimum Qty may apply

Part # Aluzinc	SAE Size	Clamping Range		Bag	Part# 304 SS
		Inches	mm		
88024	8	5/8-1	15-24	1000	89024
88028	10	3/4-1-1/8	19-28	500	89028
88032	12	7/8-1-1/4	22-32	500	89032
88038	16	1-1/16-1-1/2	26-38	500	89038
	20	1-1/4-1-3/4	32-44	500	89044
88050	24	1-1/2-2	38-50	500	89050
88056	28	1-3/4-2-1/4	44-56	500	89056
88065	32	2-2-9/16	50-65	200	89065
88075	40	2-5/16-3	58-75	200	89075
88085	44	2-11/16-3-3/8	68-85	200	89085
88095	52	3-3-3/4	77-95	200	89095
88112	64	3-7/16-4-7/16	87-112	200	89112

MINI CLAMPS

Sure seal for small, thin walled hoses. The nut is secured to the clamp, making installation easier and the hexagonal head can be tightened with a socket wrench or screw driver. Bandwidth is 9mm.

PAINTED ALUZINC STANDARD MINI CLAMPS



PART # ALUZINC	CLAMPING RANGE		QTY PER BAG
	INCHES	MM	
92010	.36-.41	9-10.5	1000
92011	.37-.45	9.5-11.5	900
92012	.41-.49	10.5-12.5	800
92013	.45-.53	11.5-13.5	800
92014	.49-.57	12.5-14.5	700
92015	.53-.61	13.5-15.5	600
92016	.55-.65	14-16.5	500
92017	.59-.69	15-17.5	500



MARINE - EMBOSSED NON-PERFORATED WORM GEAR CLAMPS

- Meets the DIN 3017 Standard
- Replaces the Ultra Clamps 316 stainless steel
- 12mm band widths
- Installation torque 60lbs
- General purpose non perforated band especially suited for most hoses and soft silicone hoses.
- Band edges rolled to protect soft hoses from shearing and fraying
- Common applications include: vehicular, industrial, mechanical engineering, plumbing and marine.
- ROLLED EDGES
- BAND WILL NOT DAMAGE SOFT HOSES

ALL #316 SS MATERIAL

12MM WIDE EMBOSSED ALL 316 BAND CLAMPS

PART #	RANGE OF ADJUST (IN MM)	RANGE OF ADJUST (INCHES)
96022	12-22	.469-.859
96027	16-27	.625-1.06
96032	20-32	.787-1.26
96040	25-40	.984-1.575
96050	35-50	1.26-1.969
96060	40-60	1.575-2.362
96070	50-70	1.969-2.756
96080	60-80	2.362-3.15
96090	70-90	2.756-3.543
96100	80-100	3.15-3.937
96110	90-110	3.543-4.33
96120	100-120	3.937-4.724
96130	110-130	4.33-5.118
96140	120-140	4.72-5.512
96150	130-150	5.118-5.906
96160	140-160	5.512-6.299

MINI CLAMPS

304 SS MINI CLAMPS



PART # 304 SS	CLAMPING RANGE		QTY PER BAG
	INCHES	MM	
93008	.30-.34	7.5-8.5	1000
93009	.34-.37	8.5-9.5	1000
93011	.41-.47	10.5-12	900
93013	.49-.55	12.5-14	800
93017	.63-.71	16-18	500

LINED, MINI/ RUBBER LINED

HOSE CLAMPS

**RUBBER LINED CLAMPS**

Multiple uses for holding cable, wire, pipe and hose. The rubber cushion absorbs vibration, provides protection against scratching and is made of black EPDM type rubber.

Rubber cushion clamps are used in a variety of industries and applications including automotive, truck, hydraulics and pneumatics, ship building, refrigeration, large equipment packaging etc.

Bandwidths and mounting hose sizes vary by diameter and material.

- Aluzinc clamps have a .26 hole diameter
- Stainless Steel .20 diameter

PART # ALUZ- INC	QTY PER BAG		CLAMPING RANGE		PART# 304 SS	QTY PER BAG	
			INCHES	MM			
95300	100	----	1/8	3			
95301	100	----	3/16	5	96301	1000	----
95302	100	----	1/4	6	96302	200	----
95303	100	----	5/16	8	96303	1000	----
95304	100	----	3/8	10	96304	100	----
95305	100	----	7/16	11	96305	1000	----
95306	100	----	1/2	13	96306	100	----
95307	100	----	9/16	14	96307	100	----
95308	100	----	5/8	16	96308	100	----
95309	50	----	11/16	18			
95310	50	----	3/4	19	96310	500	----
95311	50	----	13/16	21			
95312	50	----	7/8	22	96312	500	----
95313	50	----	15/16	24			
95314	50	----	1	25	96314	500	----
95315	50	----	1-1/16	27			
95316	50	----	1-1/8	29	96316	500	----
95317	50	----	1-3/16	30			
95318	50	----	1-1/4	32	96318	500	----
95319	50	----	1-5/16	33			
95320	50	----	1-3/8	35	96320	500	----
95321	50	----	1-7/16	36			
95322	500	----	1-1/2	38	96322	100	----
95326	50	----	1-5/8	41			
95323	25	----	1-3/4	45	96323	500	----
95328	25	----	1-7/8	47			
95324	25	----	2	51			
95325	25	----	2-1/8	54			
95329	25	----	2-3/8	60			
95327	25	----	2-1/2	65			
95330	15	----	2-15/16	74			
95331	10	----	4-5/16	110			

**RUBBER CUSHIONED CLAMP, ZINC PLATED STEEL**

PART #	MOUNTING DIA	CLAMP DIA	
95402	3/8"	1/4"	----
95404	3/8"	3/8"	----
95406	3/8"	1/2"	----
95408	3/8"	5/8"	----
95410	3/8"	3/4"	----
95414	3/8"	1"	----
95418	3/8"	1 1/4"	----
95422	3/8"	1 1/2"	----
95424	3/8"	2"	----
95427	3/8"	2 1/2"	----
95432	3/8"	3"	----
95433	3/8"	4"	----

**GALVANIZED STEEL VINYL COATED CLAMP**

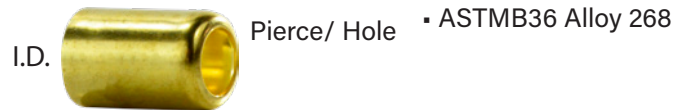
PART #	MOUNTING DIA	CLAMP DIA	
95504	1/4"	3/8"	----
95506	1/4"	1/2"	----
95508	1/4"	5/8"	----
95510	1/4"	3/4"	----
95512	1/4"	7/8"	----
95514	1/4"	1"	----
95516	1/4"	1 1/8"	----
95518	1/4"	1 1/4"	----
95522	1/4"	1 1/2"	----
95523	1/4"	1 3/4"	----
95524	1/4"	2"	----

HOSE FERRULES

HOSE CLAMPS

HOSE FERRULES

Brass Hose Ferrules offer an alternative to hose clamps. After crimping, the ferrule will provide a permanent clamping force on both the hose and fitting.



PART #	FER-RULE #	I.D.	LENGTH	PIERCE	GAUGE	
32500	6231	0.330	0.49	0.250	0.020	----
32501	833	0.358	0.500	0.265	0.020	----
32503	833B	0.375	0.718	0.265	0.025	----
32502	622	0.380	0.500	0.265	0.020	----
32550	619	0.400	0.47	0.27	0.020	----
32504	620	0.410	0.500	0.265	0.020	----
32551	769R	0.450	0.562	0.343	0.020	----
32552	4750	0.478	0.687	0.328	0.025	----
32553	624R	0.500	0.500	0.343	0.020	----
32506	7322A	0.500	1.000	0.343	0.025	----
32554	7322	0.500	1.000	0.328	0.025	----
32555	625	0.525	0.47	0.36	0.020	----
32517	625A	0.525	0.56	0.360	0.020	----
32556	7323	0.525	1.000	0.375	0.025	----
32521	9974	0.525	1.000	0.437	0.025	----
32557	7324	0.531	1.000	0.375	0.025	----
32558	626	0.550	0.484	0.375	0.020	----
32507	3588	0.56	0.75	0.375	0.020	----
32559	7325	0.56	1.000	0.437	0.025	----
32561	7326	0.593	1.000	0.437	0.025	----
32563	JJ	0.600	0.500	0.500	0.020	----
32526	II	0.625	0.500	0.500	0.020	----
32564	7327	0.625	1.000	0.437	0.025	----
32565	HH	0.650	0.500	0.500	0.020	----
32566	7328	0.656	1.000	0.437	0.025	----
32567	GG	0.675	0.515	0.500	0.020	----
32568	7329	0.69	1.000	0.500	0.025	----

PART #	FER-RULE #	I.D.	LENGTH	PIERCE	GAUGE	
32570	7330	0.718	1.000	0.500	0.025	----
32508	7330A	0.718	1.000	0.625	0.025	----
32571	EE	0.725	0.530	0.500	0.020	----
32572	DD	0.750	0.531	0.500	0.020	----
32510	7331B	0.75	1.00	0.500	0.025	----
32573	7331	0.750	1.000	0.625	0.025	----
32574	CC	0.775	0.531	0.500	0.020	----
32533	7332B	0.781	1.000	0.500	0.025	----
32575	7332	0.781	1.000	0.625	0.025	----
32576	BB	0.800	0.546	0.562	0.020	----
32577	7333	0.812	1.000	0.625	0.025	----
32578	AA	0.825	0.546	0.562	0.020	----
32535		0.85	0.968	0.687	0.025	----
32579	7244	0.875	0.843	0.687	0.025	----
32539	5029A	0.900	0.875	0.687	0.025	----
32580	7113	0.925	0.968	0.750	0.025	----
32543	5028A	0.975	0.843	0.687	0.025	----
32545	5235A	1.000	0.843	0.687	0.025	----
32549	7145A	1.050	0.843	0.687	0.025	----
32584	5027	1.100	0.843	0.812	0.025	----
32586	7104A	1.15	0.843	0.875	0.025	----
32588	7088A	1.175	0.875	0.875	0.025	----
32590	875L	1.200	0.843	0.875	0.025	----
32591	7291	1.225	0.968	0.875	0.025	----
32592	7255	1.25	0.968	1.000	0.04	----
32596	8000	1.425	0.875	1.062	0.025	----
32597	1500	1.50	0.875	1.125	0.025	----



STAINLESS STEEL FERRULES

PART #	CROSS #	I.D.	LENGTH	HOLE	METAL THICKNESS	
32552SS	x4750	.478	.687	.328	.020	----
32557SS	7324	.531	1.00	.438	.020	----
32559SS	7325	.56	1.00	.437	.020	----
32561SS	7326	.593	1.00	.437	.020	----
32564SS	7327	.625	1.00	.437	.020	----
32566SS	7328	.656	1.00	.437	.020	----
32568SS	7329	.69	1.00	.50	.020	----
32570SS	7330	.718	1.00	.625	.020	----
32575SS	7332	.781	1.00	.625	.020	----
32577SS	7333	.812	1.00	.625	.020	----
32588SS	7088A	1.175	.844	.875	.020	----

MORE SIZES AVAILABLE

AVAILABLE IN ALUMINUM AND STEEL ALSO

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

CLAMPS

TUBING
TUBING

TUBING

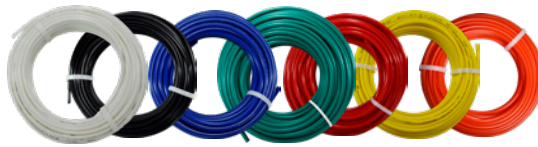
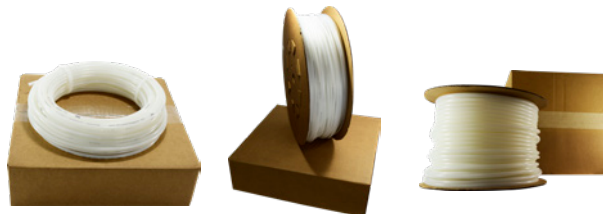


POLYURETHANE



POLYETHYLENE

Sold individually boxed



Natural, Black, Blue, Green, Red, Yellow, Orange

NYLON

Sold individually boxed



PVC

• Clear

Sold individually boxed



COPPER AND ALUMINUM



TYPE L AND REFRIGERATION

ALUMINUM



PRICING FILE AVAILABLE ONLINE

POLYURETHANE NSF 51®



NSF 51® polyurethane (PUR) Shore A 98 tubing is made from the highest quality raw materials available. It is etherbased to provide excellent hydrolysis, oil and cold resistance. Polyurethane NSF 51® is strong and flexible and offers superior kink resistance compared to other tubing. It is 5 to 10 times more wear resistant and lighter in weight than any rubber hose.

Polyurethane NSF 51® tubing has an outside diameter made to extremely tight tolerances. It is ideal for use with push-to-connect fittings, as well as barb-type and compression fittings for simple installation.

Features

- Strong
- Lightweight
- Flexible
- Abrasion Resistant
- Heat & Cold Resistant
- Chemical Resistant
- Kink Resistant
- NSF 51® Certified
- Meets NSF 61® Requirements

Specifications

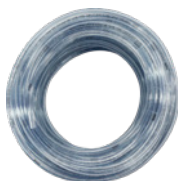
Temperature Range: -40°F to +160°F
 Hardness: Shore A 98
 Vacuum Rating:
 To 28" Hg
 Tolerances:
 1/8"-1/2" O.D. +/- .005
 9/16"-3/4" O.D. +/- .006
 RoHS Compliant

Applications

Pneumatic Tools Lube Lines
 Pneumatic Piping Painting Systems
 Vacuum Food & Beverages
 Laboratories
 Robotics
 Motion Control
 Instrumentation
 Agriculture

100' FOOT LENGTHS

CLEAR



PART #	O.D. (IN)	I.D. (IN)	WALL THICKNESS (IN)	BEND RADIUS (IN)	W.P. @70°F (PSI)	W.P. @150°F (PSI)	3:1 BURST PRES-SURE	PACKAGE WEIGHT (LBS)
973341	4mm, 5/32	.093	.031	.250	200	85	600	.70
973343	.250	.156	.047	.476	180	70	540	1.50
973345	.375	.250	.063	1.000	150	70	450	3.40

BLACK



PART #	O.D. (IN)	I.D. (IN)	WALL THICKNESS (IN)	BEND RADIUS (IN)	W.P. @70°F (PSI)	W.P. @150°F (PSI)	3:1 BURST PRES-SURE	PACKAGE WEIGHT (LBS)
73341B	4mm, 5/32	.093	.031	.250	200	85	600	.70
73343B	.250	.156	.047	.476	180	70	540	1.50
73345B	.375	.250	.063	1.000	150	70	450	3.40
73346B	.500	.328	.086	1.102	150	70	450	5.60

BLUE



PART #	O.D. (IN)	I.D. (IN)	WALL THICKNESS (IN)	BEND RADIUS (IN)	W.P. @70°F (PSI)	W.P. @150°F (PSI)	3:1 BURST PRES-SURE	PACKAGE WEIGHT (LBS)
73341U	4mm, 5/32	.093	.031	.250	200	85	600	.70
73343U	.250	.156	.047	.476	180	70	540	1.50
73345U	.375	.250	.063	1.000	150	70	450	3.40

RED



PART #	O.D. (IN)	I.D. (IN)	WALL THICKNESS (IN)	BEND RADIUS (IN)	W.P. @70°F (PSI)	W.P. @150°F (PSI)	3:1 BURST PRES-SURE	PACKAGE WEIGHT (LBS)
73341R	4mm, 5/32	.093	.031	.250	200	85	600	.70
73343R	.250	.156	.047	.476	180	70	540	1.50
73345R	.375	.250	.063	1.000	150	70	450	3.40
73346R	.562	.375	.093	1.142	140	60	420	5.60

OD Sizes Available

.125, .187, 1/4(1/8), 8mm(5/16)
 .562, .625 and .750

Other sizes, Lengths and
 Colors available

- Available in longer lengths upon request
- Other colors available

POLYETHYLENE

LINEAR LOW DENSITY POLYETHYLENE TUBING (LLDPE)

Features

- Chemically Inert
- Chemical Resistant
- Lightweight & Flexible
- Good Dielectric Properties
- Impermeable to Gases
- Meets FDA Requirements
- Multiple Colors Available
- Vacuum rating to 28" Hg

Polyethylene is made from 100% non-toxic ingredients. It's inert nature and FDA compliant status makes it perfect for food, water and beverage piping. It is ideal for use in pneumatic, drain piping, lab use and chemical transfer applications which require an inexpensive tubing.

Polyethylene is highly-resistant to stress cracking from chemicals, aging and ultraviolet exposure. For use with barb-type, push-to-connect or compression-style fittings.

Specifications

Temperature Range: -50°F to +140°F

Hardness: Shore A 93A

Shore D 45D

Applications

Food & Beverage Process Control
 Pneumatic Tools Laboratories
 Pneumatic Piping
 Electrical Jacketing
 Drain Lines
 Instrumentation
 Chemical Transfer



100' LENGTH



500' LENGTH



1000' LENGTH

100' LENGTH - Natural

PART #	TUBE O.D.	TUBE ID	TUBE WALL	WORKING PRESSURE	
973200	1/8"	0.08	0.022	250	----
973201	5/32"				
973203	1/4"	0.17	0.040	150	----
973204	1/4"	0.125	0.0625	350	----
973205	8mm/5/16"	0.236	0.038	150	----
973206	3/8"	0.25	0.0625	150	----
973207	1/2"	0.375	0.0625	125	----
973208	5/8"	0.50	0.0625	100	----
973211	3/4"				

500' LENGTH

PART #	TUBE O.D.	TUBE ID	TUBE WALL	WORKING PRESSURE	
73200N5	1/8"	0.085	0.020	250	----
73203N5	1/4"	0.17	0.040	150	----
73204N5	1/4"	0.125	0.0625	350	----
73206N5	3/8"	0.25	0.0625	150	----
73207N5	1/2"	0.375	0.0625	125	----

1000' LENGTH

PART #	TUBE O.D.	TUBE ID	TUBE WALL	WORKING PRESSURE	
73203N1	1/4"	0.17	0.040	150	----
73206N1	3/8"	0.25	0.0625	150	----

POLYETHYLENE

TUBING

LLDPE POLYETHYLENE TUBING - COLORS



BLACK

- 100'
- 500'
- 1000'

PART #	COLOR	LENGTH	NOMINAL O.D.	
73203B	Black	100'	1/4"	----
73204B	Black	100'	1/4"	----
73205B	Black	100'	5/16"	----
73206B	Black	100'	3/8"	----
73207B	Black	100'	1/2"	----
73208B	Black	100'	5/8"	----
73203B5	Black	500'	1/4"	----
73205B5	Black	500'	5/16"	----
73206B5	Black	500'	3/8"	----
73207B5	Black	500'	1/2"	----
73203B1	Black	1000'	1/4"	----
73206B1	Black	1000'	3/8"	----



BLUE

- 100'
- 500'
- 1000'

PART #	COL-OR	LENGTH	NOMI-NAL O.D.	
73203U	Blue	100'	1/4"	----
73206U	Blue	100'	3/8"	----
73207U	Blue	100'	1/2"	----
73203U5	Blue	500'	1/4"	----
73206U5	Blue	500'	3/8"	----
73203U1	Blue	1000'	1/4"	----

GREEN



- 100'
- 500'
- 1000'

PART #	COLOR	LENGTH	NOMI-NAL O.D.	
73203G	Green	100'	1/4"	----

RED



- 100'
- 500'
- 1000'

PART #	COL-OR	LENGTH	NOMI-NAL O.D.	
73203R	Red	100'	1/4"	----
73206R	Red	100'	3/8"	----
73203R5	Red	500'	1/4"	----
73206R5	Red	500'	3/8"	----
73203R1	Red	1000'	1/4"	----



GO ONLINE TO VIEW OPEN ORDERS, ORDER HISTORY, AND TRACKING INFORMATION ON ALL SHIPMENTS

NYLON
TUBING

NYLON 12 TUBING

Nylon 12 tubing is recognized as an industry standard for applications which require higher working pressures and higher heat and/or chemical resistance. It is ideal for outdoor use applications because of its superior stress crack resistance. Nylon 12 is strong, lightweight and has a very low moisture absorption rate compared to other nylons. By not absorbing moisture, Nylon 12 remains more flexible, which in turn extends it's service life. Nylon 12 tubing can be used with standard push-to-connect fittings and compression fittings for simple installation.

Because of it's semi-rigid properties, a thinner tube wall provides higher flow rates and working pressure.

Features

- Strong
- Lightweight
- Flexible
- Abrasion Resistant
- Heat Resistant
- Chemical Resistant
- Heat/ Light Stabilized
- Black - UV Rated

Specifications

Temperature Range: -60°F to +200°F
 Hardness: Rockwell 78 R
 Shore D 70
 Vacuum Rating: To 28" Hg
 Higher Flow Rates & Working Pressure
 Tolerances: 1/8"-1/4" +/- .004
 3/4"-1/2" +/- .006

Applications

Pneumatic Tools Chemical Transfer
 Pneumatic Piping Vacuum
 Instrumentation Process Control
 Lube Lines Fuel Lines
 Coolants Paint Supply Lines
 Refrigeration Laboratories

Part #'s shown are for natural. 500' and 1000' reels available on request.



100' LENGTH



BLACK TUBING & MISC.



METRIC LENGTH

100' LENGTH

PART #	TUBE O.D.	TUBE ID	TUBE WALL	WORKING PRESSURE	
973230	1/8"	0.08	.022	420	----
973231	5/32"	0.106	.025	350	----
973232	1/4"	0.18	.035	290	----
973238	1/4"	0.15	.05	800	----
973226	5/16"	0.236	.039	250	----
973233	3/8"	0.275	.050	250	----
973234	1/2"	0.375	.062	240	----

BLACK TUBING & MISC.

PART #	O.D.	TUBE ID	WALL	WORKING PRESSURE	
73230B	1/8	0.08	0.022	420	----
73231B	5/32	0.106	0.025	350	----
73232B	1/4	0.18	0.035	290	----
73238B	1/4	0.15	0.05	800	----
73233B	3/8	0.275	0.05	250	----
73232N5*	1/4	0.18	0.035	290	----
73238U**	1/4	0.15	0.075	800	----

• 500' Natural **Blue

*METRIC LENGTH - 100 ft. coils • available in natural color only

PART #	MM O.D.	MM I.D.	MM WALL	WORKING PRESSURE	
973323	4	2.7	0.65	350	----
973326	6	3.5	1.25	350	----
973325	6	4	1	340	----
973327	8	6	1	250	----
973329	10	8	1	225	----
973332	12	10	1	200	----
973334	14	11	1.5	175	----

PVC TUBING AND TUBING CUTTERS

TUBING

PVC POLYVINYLCHLORIDE TUBING - NSF61



PVC is suited for general, low-pressure, industrial applications for the conveyance of liquids and solids of suitable granular size. Made from a PVC compound that complies with FDA regulations. Although it is primarily intended for applications where pressure is not essential, it will withstand the pressures shown.

The clear PVC Tubing provides good chemical resistance, is lightweight, flexible and economically priced.

Features

- Lightweight
- Flexible
- Food Grade
- Clear Color/ Blue tint

Specifications

Temperature Range: +25°F to +150°F
 Hardness: Shore A 75 PVC
 Meets FDA requirements
 NSF 61 Certified
 USP Class VI rated materials
 RoHS Compliant

Applications

Beverage Dispensing Distilled Water Transfer
 Drain Tubing Light Vacuum
 Potable Water Wire Harness
 Laboratory Tubing 3:1 Burst Pressure
 Wine Transfer
 Low Pressure Air Line

Colors Available: Clear

Package Lengths: 100'

100' LENGTH

PART #	TUBE I.D.	TUBE O.D.	TUBE WALL	WORKING PRESSURE	
973224	1/8 (.125)	1/4 (.25)	1/16 (.032)	50	----
973223	3/16 (.187)	5/16 (.313)	1/16 (.062)	55	----
973215	1/4 (.25)	3/8 (.375)	1/16 (.062)	55	----
973252	5/16 (.312)	7/16 (.438)	1/16 (.062)	50	----
973253	5/16 (.312)	1/2 (.500)	3/32 (.094)	55	----
973216	3/8 (.375)	1/2 (.500)	1/16 (.062)	45	----
973255	3/8 (.375)	5/8 (.625)	1/8 (.125)	55	----
973262	3/8 (.375)	9/16 (.563)	3/32 (.094)	50	----
973217	1/2 (.500)	5/8 (.625)	1/16 (.062)	30	----
973219	3/4 (.750)	1 (1.00)	1/8 (.125)	35	----
973221	1 (1.00)	1-1/4 (1.25)	1/8 (.125)	25	----

TUBE CUTTERS

MINI-TUBING CUTTER

- Great for tight places



Part #	Size	
990571	3mm-22mm (1/8"-7/8")	----

TUBING CUTTER



PART #	SIZE	
990570	1/8"-1-1/8"	----

PLASTIC TUBE CUTTER

Range: 1/8" - 3/8" I.D. (3mm-10mm)



PART #	DESCRIPTION	
91707	Cutter w/Blade	----

MOUNTING RACKS



- Route and secure multiple tubing lines
- Mounting versatility
 - Racks can be easily hand separated down to single holders.
 - Thru holes provided (all sizes)
- Standard color is BLACK.
Other colors available on special request.

NOTE: MOUNTING SCREWS NOT PROVIDED

PART #	TUB-ING OD	DESCRIP.	CHAN-NELS	
28988	1/4	non-adhesive	10	----
28989	1/4	adhesive	10	----
28990	3/8	non-adhesive	7	----
28991	1/2	non-adhesive	5	----

ALUMINUM AND COPPER

TUBING

ALUMINUM TUBING - EASY BEND

Alloy
3003-0
ASTM
B-483



Material
to ASTM
B-483

900 PSI max
3700 Burst PSI

Bend this tubing into the shape you need without special tools or elbow fittings. It is also known as Alloy 3003. Tubing has seamless construction, which provides a smooth interior and allows it to be flared without splitting. Use with water, air, alcohol and oil. Tubing meets ASTM B483 and has a soft (annealed) temper. OD tolerance is ± 0.004 "

ALUMINUM VERSATUBE 50' COILS

PART #	O.D.	WALL THICK	ID	MAX PSI @ 100°F	CASE	50' COILS
972190	1/8	.025	.075"	2,300	10 coils	----
972191	3/16	.028	.132"	1,600	10 coils	----
972192	1/4	.032	.186"	1,400	10 coils	----
972193	5/16	.035	.243"	1,200	10 coils	----
972194	3/8	.035	.305"	1,000	10 coils	----
972195	1/2	.035	.43"	740	10 coils	----

COPPER TUBING - REFRIGERATION TUBING

ASTMB280



- Temp range: 32° to 400°F
- Bend with a bending tool
- Use with copper solder-connect fittings

This copper Alloy 122 tube comes cleaned and capped to prevent moisture and dirt from contaminating the inside. It's often called refrigeration and air conditioning tubing. Use with water, natural gas, oil and R22 refrigerant. Tubing meets ASTM B280. It has seamless construction, which provides a smooth interior. Tubing has a soft (annealed) temper.

REFRIGERATION COPPER TUBE 50' COILS

PART #	TUBE SIZE	OD	WALL	ID	MAX PSI @ 100°F	WEIGHT PER 50' COIL	50' COILS
972180	-	1/8	.030	.065"	3,000	1.74	----
972181	-	3/16	.030	.128"	1,900	2.88	----
972182	1/8	1/4	.030	.19"	1,400	4.02	----
972183	-	5/16	.032	.248"	1,100	5.45	----
972184	1/4	3/8	.032	.311"	980	6.70	----
972185	3/8	1/2	.032	.436"	720	9.10	----
972186	1/2	5/8	.035	.555"	610	12.55	----
972187	5/8	3/4	.035	.68'	510	15.25	----

COPPER TUBING - DRINKING WATER

For residential water lines



- Temp range: 32° to 180°F
- Bend with a bending tool
- Use with copper solder-connect fittings

NSF 61 certified for drinking (potable) water, this copper Alloy 122 tubing is also called type L. Tubing meets ASTM B88. It has seamless construction, which provides a smooth interior. Coils - Have a soft (annealed) temper.

• Water service • Natural, liquified and petroleum gases • Fire protection • Solar • Fuel/ Fuel oil • HVAC • Snow melting - Air Brake

TYPE L SOFT COPPER TUBING 60' COILS

PART #	TUBE SIZE	OD	WALL	ID	MAX PSI @ 100°F	WEIGHT PER 60' COIL	60' COILS
972171	1/4	3/8"	.03"	.315"	910	7.56	----
972172	3/8	1/2	.035"	.43"	770	11.88	----
972173	1/2	5/8"	.04"	.545"	720	17.10	----

WARNING: This product can expose you to chemicals, including Lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

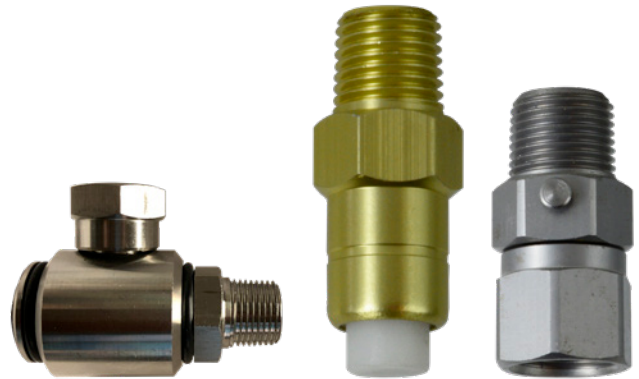
HIGH PRESSURE SPRAYERS



STRAIGHT THROUGH QDS



FITTINGS AND SWIVELS



NOZZLES



SPRAY GUNS AND WANDS



WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

HIGH PRESSURE SPRAYER

NOZZLES

HIGH PRESSURE SPRAYER



NOZZLES

OFFERED EXCLUSIVELY THROUGH MIDLAND INDUSTRIES

QUICK DISCONNECT NOZZLE

0-degree red tip nozzle, 15-degree yellow tip nozzle, 25-degree green tip nozzle, 40-degree white tip nozzle, and 65-degree black tip detergent nozzle. All nozzles are 4000 PSI and stainless steel, except for detergent nozzle, which is 600 PSI and brass. All Nozzles are rated for temperatures up to 300°F. Nozzles attach with 1/4" quick disconnect plug.



PART #	DEGREE OF SPRAY	GPM @ 4000PSI	
DX250030	0	3.0	----
DX251530	15	3.0	----
DX252530	25	3.0	----
DX254030	40	3.0	----
DX250040	0	4.0	----
DX251540	15	4.0	----
DX252540	25	4.0	----
DX254040	40	4.0	----
DX250050	0	5.0	----
DX251550	15	5.0	----
DX252550	25	5.0	----
DX254050	40	5.0	----
DX250060	0	6.0	----
DX251560	15	6.0	----
DX252560	25	6.0	----
DX254060	40	6.0	----
DX256500	65		----

MEG NOZZLE

Available in 0-degree nozzle, 15-degree nozzle, 25-degree nozzle, or 40-degree nozzle. Nozzle sizes 3.0, 4.0, 5.0, 6.0 or 7.0. All nozzles are 7250 PSI 300°F, stainless steel and 1/4" male pipe thread.



PART #	DEGREE OF SPRAY	GPM @ 4000PSI	
DX140030MG	0	3.0	----
DX141530MG	15	3.0	----
DX142530MG	25	3.0	----
DX144030MG	40	3.0	----
DX140040MG	0	4.0	----
DX141540MG	15	4.0	----
DX142540MG	25	4.0	----
DX144040MG	40	4.0	----
DX140050MG	0	5.0	----
DX141550MG	15	5.0	----
DX142550MG	25	5.0	----
DX144050MG	40	5.0	----
DX140060MG	0	6.0	----
DX141560MG	15	6.0	----
DX142560MG	25	6.0	----
DX144060MG	40	6.0	----
DX140070MG	0	7.0	----
DX141570MG	15	7.0	----
DX142570MG	25	7.0	----
DX144070MG	40	7.0	----

QUICK DISCONNECT NOZZLE 5-PIECE KIT

PART #	GPM @ 4000PSI	
DX259520	2.0	----
DX259530	3.0	----
DX259540	4.0	----
DX259550	5.0	----
DX259560	6.0	----
DX259570	7.0	----



WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



SWIVELS

HIGH PRESSURE SPRAYER



SWIVELS

OFFERED EXCLUSIVELY THROUGH MIDLAND INDUSTRIES

RUBBER-TIP TURBO NOZZLE

Rubber tip, rotating turbo nozzle, 1/4" NPT with steel male quick disconnect plug adaptor, rated for temperatures up to 300°F.



PART #	PSI	GPM @ 4000PSI	
DX722530	2500	3.0	----
DX722540	2500	4.0	----
DX722550	2500	5.0	----
DX722560	2500	6.0	----
DX723230	3200	3.0	----
DX723240	3200	4.0	----
DX723250	3200	5.0	----
DX723260	3200	6.0	----
DX724030	4000	3.0	----
DX724040	4000	4.0	----
DX724050	4000	5.0	----
DX724060	4000	6.0	----
DX725030	5000	3.0	----
DX725040	5000	4.0	----
DX725050	5000	5.0	----
DX725060	5000	6.0	----

STAINLESS STEEL LIVE SWIVEL

MxF straight through live swivel, NBR or Viton seal, 416 SS, 10.6 gpm, 180F max, 3500 PSI



PART #	SEAL	SIZE	
DX60021	NBR	1/4"	----
DX60022	NBR	3/8"	----
DX60023	NBR	1/2"	----
DX60021V	Viton	1/4"	----
DX60022V	Viton	3/8"	----
DX60023V	Viton	1/2"	----

THERMAL RELIEF VALVE

140F Thermal Relief Valve, Brass, 300 PSI

- Attaches directly to pump



PART #	SIZE	
DX35TR25	1/4"	----
DX35TR38	3/8"	----

90° BOOM SWIVEL

Male x Female 90° Boom swivel, Stainless Steel, 5000 PSI, 7GPM, 300°F



PART #	SIZE	
DX60092	3/8"	----

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

HIGH PRESSURE SPRAYER

SPRAY GUNS
HIGH PRESSURE SPRAYER



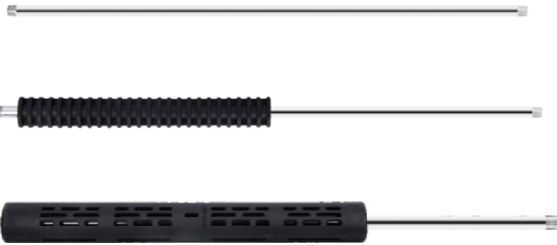
SPRAYERS

OFFERED EXCLUSIVELY THROUGH



CHROMED STEEL WAND

1/4" MNPT x 1/4" Extension Wands, 10.5 GPM, 300F



PART #	SIZE	GRIP	
DX4324	24"	No Grip	----
DX4336	36"	No Grip	----
DX4424	24"	Molded Grip	----
DX4436	36"	Molded Grip	----
DX4524VG	24"	Vented Grip	----
DX4536VG	36"	Vented Grip	----

SPRAY GUN

Rear entry spray gun, 4000 PSI, 7 GPM, 212F max, inlet 3/8", outlet 1/4"



PART #	PRESSURE	FLOW	TEMPERATURE	
DX5090	4000	7	212	----
DX5022	4000	6.6	300	----
DX5005	5075	10.5	300	----

WEEPING SPRAY GUN

Rear entry spray gun, weeping, 5000 PSI, 10.5 GPM, 300F, , inlet 3/8", outlet 1/4"

Weep style spray guns allow for a continuous flow of water by way of a small hole in the bottom of the gun that produces a slight leak, or a weeping effect. This helps prevent lines freezing in cold weather or scalding water temperatures in hot weather that could damage the pumps.



PART #	
DX5006	----

SPRAY GUN WITH EXTENSION*

Rear entry spray gun with 12" extension, 4000psi, 7gpm, 300F max, inlet 3/8", outlet M22



PART #	
DX5190	----

SPRAY GUN WITH EXTENSION*

Rear entry spray gun with 12" extension, 5075psi, 10.5gpm, 300F max, inlet 3/8", outlet M22



PART #	
DX5197	----

*Requires a 86-005 for MEG Nozzle and a 86-005 & 86-030 for QD Nozzle

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



COUPLERS/ PLUGS

HIGH PRESSURE SPRAYER

QUICK DISCONNECTS

- Brass couplers have brass bodies and brass valves, 8 steel locking balls, Buna-N seal, and stainless steel springs
- Stainless steel couplers have stainless steel bodies, 8 stainless steel locking balls, Buna-N seal, and stainless steel springs
- Plugs are steel with green blue zinc plating or stainless steel
- Straight through design means there is no positive shut-off after disconnect
- Fully interchangeable with Parker, Hansen, Foster and Adams
- Use with liquids, hydraulic service, compressed air, gases, water and vacuum
- Ideal for applications such as high pressure water, steam washers, and carpet cleaners
- Max. Temp. 212°F for Couplers/ 300°F for Plugs • Max Flow: 10.5 GPM

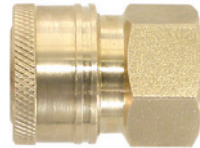
STRAIGHT THROUGH STYLE

MALE BRASS COUPLERS



PART #	BODY SIZE	THREAD SIZE	PSI	
86030	1/4	1/4	4000	----
86031	3/8	3/8	4000	----
86032	1/2	1/2	4000	----

FEMALE BRASS COUPLERS



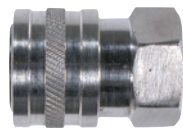
PART #	BODY SIZE	THREAD SIZE	PSI	
86035	1/4	1/4	4000	----
86036	3/8	3/8	4000	----
86037	1/2	1/2	4000	----

MALE STAINLESS STEEL COUPLERS



PART #	BODY SIZE	THREAD SIZE	PSI	
86030SS	1/4	1/4	6000	----
86031SS	3/8	3/8	6000	----

FEMALE STAINLESS STEEL COUPLERS



PART #	BODY SIZE	THREAD SIZE	PSI	
86035SS	1/4	1/4	6000	----
86036SS	3/8	3/8	6000	----

MALE STEEL PLUGS



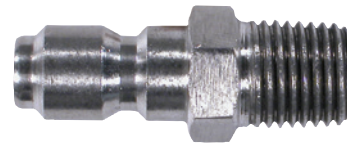
PART #	BODY SIZE	THREAD SIZE	PSI	
86040	1/4	1/4	4000	----
86041	3/8	3/8	4000	----
86042	1/2	1/2	4000	----

FEMALE STEEL PLUGS



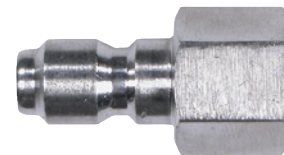
PART #	BODY SIZE	THREAD SIZE	PSI	
86045	1/4	1/4	4000	----
86046	3/8	3/8	4000	----
86047	1/2	1/2	4000	----

MALE STAINLESS STEEL PLUGS



PART #	BODY SIZE	THREAD SIZE	PSI	
86040SS	1/4	1/4	6000	----
86041SS	3/8	3/8	6000	----

FEMALE STAINLESS STEEL PLUGS



PART #	BODY SIZE	THREAD SIZE	PSI	
86045SS	1/4	1/4	6000	----
86046SS	3/8	3/8	6000	----

COUPLERS/ KNOBS

HIGH PRESSURE SPRAYER

MOLDED GRIP MALE BRASS COUPLER



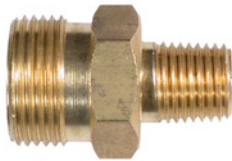
PART #	THREAD SIZE	THREAD SIZE	PSI	
86030RG	1/4	1/4	4000	----
86031RG	3/8	3/8	4000	----

MOLDED GRIP FEMALE BRASS COUPLER



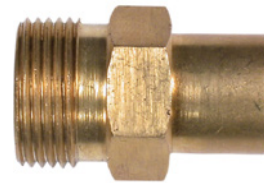
PART #	THREAD SIZE	PLUG	PSI	
86035RG	1/4	1/4	4000	----
86036RG	3/8	3/8	4000	----

M22 SCREW TYPE X MNPT



PART #	THREAD SIZE	MALE	PSI	
86001	M22	1/4	4000	----
86002	M22	3/8	4000	----

M22 SCREW TYPE X FNPT



PART #	THREAD SIZE	FEMALE SIZE	PSI	
86005	M22	1/4	4000	----
86006	M22	3/8	4000	----

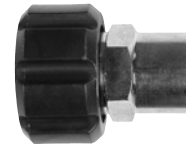
INSULATED KNOB

M22 INSULATED KNOB X MNPT



PART #	THREAD SIZE	MALE SIZE	PSI	
86012	M22	1/4	4000	----
86013	M22	3/8	4000	----

M22 INSULATED KNOB X FNPT



PART #	THREAD SIZE	FEMALE SIZE	PSI	
86017	M22	1/4	4000	----
86018	M22	3/8	4000	----

M22 X M22 FNPT



PART #	THREAD SIZE	THREAD SIZE	PSI	
86022	M22	M22	4000	----

M22 INSULATED KNOB X QC PLUG



PART #	THREAD SIZE	PLUG	PSI	
86020	M22	3/8	4000	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



PNEUMATICS



1/4" 3/8" 1/2" 1/4" 1/4" 3/8" 1/4" 1/4" 3/8"
 INDUSTRIAL INTERCHANGE ARO AUTO AUTO LINCOLN STRAIGHT THRU STRAIGHT THRU

QUICK DISCONNECTS



- Universal
- ARO 210
- Lincoln
- Industrial
- Automotive
- ST Series - High Flow

BREATHER VENTS, MUFFLERS



- Mufflers
- Snubbers
- In-line filters
- Breather vents
- Control valves
- Manifolds

PNEUMATIC ACCESSORIES



- Kits NEW
- Tire gauge
- Tank and vent valves
- Blow guns
- Air chucks
- Inflators

GAUGES



- Liquid filled & Dry
- Lower mount & center mount
- Water test
- Syphons

PRICING FILE AVAILABLE ONLINE

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

INDUSTRIAL INTERCHANGE

• Couplers are brass or plated steel body with brass or steel valves, 6 steel locking balls, NBR seal and stainless steel springs

6 Steel locking balls (1/2" body size has 8 steel locking balls)

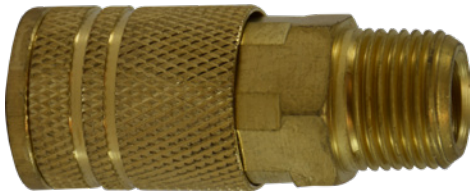
- Plugs are brass or steel with green blue zinc plating
- Industry standard design for compressed air, water, grease, paint, limited vacuum and limited gases
- Manual retract for connecting and disconnecting
- Maximum working pressure is 250 PSI

BRASS FEMALE COUPLER



PART#	BODY SIZE	THREAD SIZE	
28540	1/4"	1/4"	----
28541	1/4"	3/8"	----

BRASS MALE COUPLER



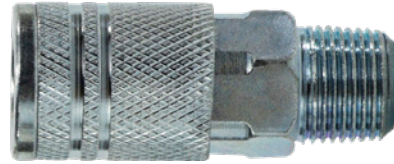
PART#	BODY SIZE	THREAD SIZE	
28552	1/4"	1/4"	----
28553	1/4"	3/8"	----

STEEL FEMALE COUPLER



PART#	BODY SIZE	THREAD SIZE	
28540S	1/4"	1/4"	----
28541S	1/4"	3/8"	----
98810	3/8"	1/4"	----
98811	3/8"	3/8"	----
98812	3/8"	1/2"	----
99812	1/2"	1/2"	----

STEEL MALE COUPLER



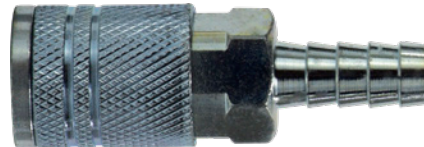
PART#	BODY SIZE	THREAD SIZE	
28552S	1/4"	1/4"	----
28553S	1/4"	3/8"	----
98823	3/8"	1/4"	----
98824	3/8"	3/8"	----
98825	3/8"	1/2"	----
99825	1/2"	1/2"	----
99826	1/2"	3/4"	----

BRASS HOSE ID COUPLER



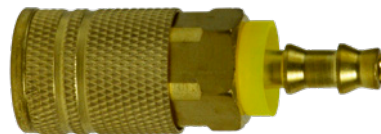
PART#	BODY SIZE	BARB SIZE	
28562	1/4"	1/4"	----
28564	1/4"	3/8"	----

STEEL HOSE ID COUPLER



PART#	BODY SIZE	BARB SIZE	
28562S	1/4"	1/4"	----
28564S	1/4"	3/8"	----
98840	3/8"	1/4"	----
98841	3/8"	3/8"	----
99841	1/2"	3/8"	----
99843	1/2"	1/2"	----

BRASS PUSH-ON HOSE COUPLER



PART#	BODY SIZE	BARB SIZE	
28565	1/4"	1/4"	----
28566	1/4"	3/8"	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

STEEL PUSH-ON HOSE COUPLER



PART#	BODY SIZE	BARB SIZE	
28565S	1/4"	1/4"	----
28566S	1/4"	3/8"	----
98842	3/8"	3/8"	----

STEEL MALE PLUG



PART#	BODY SIZE	THREAD SIZE	
28545	1/4"	1/8"	----
28546	1/4"	1/4"	----
28547	1/4"	3/8"	----
98814	3/8"	1/4"	----
98815	3/8"	3/8"	----
99816	1/2"	1/2"	----
99817	1/2"	3/4"	----

STEEL FEMALE PLUG



PART#	BODY SIZE	THREAD SIZE	
28533	1/4"	1/8"	----
28534	1/4"	1/4"	----
28535	1/4"	3/8"	----
98801	3/8"	1/4"	----
98802	3/8"	3/8"	----
99803	1/2"	1/2"	----
99804	1/2"	3/4"	----

BRASS MALE PLUG



PART#	BODY SIZE	THREAD SIZE	
28546B	1/4"	1/4"	----

BRASS FEMALE PLUG



PART#	BODY SIZE	THREAD SIZE	
28534B	1/4"	1/4"	----

STEEL HOSE ID PLUG



PART#	BODY SIZE	BARB SIZE	
28557	1/4"	1/4"	----
28559	1/4"	3/8"	----
98828	3/8"	3/8"	----
99828	1/2"	3/8"	----
99830	1/2"	1/2"	----

STEEL PUSH-ON HOSE PLUG



PART#	BODY SIZE	BARB SIZE	
28558	1/4"	1/4"	----
28561	1/4"	3/8"	----
98830	3/8"	3/8"	----

STEEL SWIVEL MALE PLUG



PART#	BODY SIZE	THREAD SIZE	
320065	1/4"	1/4"	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

UNIVERSAL SERIES COUPLERS

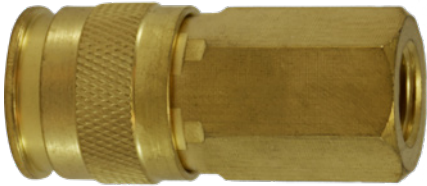
- Automatic Coupler means flow will cut off automatically at time of disconnect
- Brass Couplers have brass body and brass sleeve with brass valve, 6 steel locking balls, NBR seal and 6 stainless steel springs.
- Stainless Steel Couplers have stainless steel body and stainless steel sleeve with stainless steel valve, 6 steel locking balls, FKM seal, and stainless steel springs
- Coupler compatible with ARO 210, Parker Interchange and Industrial Interchange plugs
- Maximum working pressure is 250 PSI

BRASS MALE COUPLER



PART#	BODY SIZE	THREAD SIZE	
28579	1/4"	1/4"	----
28589	1/4"	3/8"	----

BRASS FEMALE COUPLER



PART#	BODY SIZE	THREAD SIZE	
28560	1/4"	1/4"	----

BRASS HOSE ID COUPLER



PART#	BODY SIZE	BARB SIZE	
28690	1/4"	1/4"	----
28691	1/4"	3/8"	----

STAINLESS STEEL MALE COUPLER



PART#	BODY SIZE	THREAD SIZE	
28579SS	1/4"	1/4"	----

STAINLESS STEEL FEMALE COUPLER



PART#	BODY SIZE	THREAD SIZE	
28560SS	1/4"	1/4"	----

STAINLESS STEEL INDUSTRIAL MALE PLUG



PART#	BODY SIZE	THREAD SIZE	
28546SS	1/4"	1/4"	----

STAINLESS STEEL INDUSTRIAL FEMALE PLUG



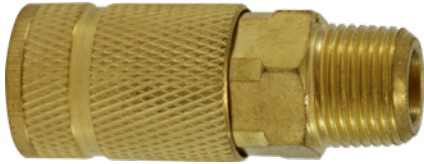
PART#	BODY SIZE	THREAD SIZE	
28534SS	1/4"	1/4"	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

ARO 210 INTERCHANGE

- Couplers have brass bodies and brass valves, 6 steel locking balls, NBR seal, and stainless steel springs
- Plugs are steel with green blue zinc plating
- Couplers have a full opening tubular valve for maximum flow and a built-in sleeve guard to minimize accidental disconnect
- Maximum working pressure is 250 PSI

MALE COUPLER



PART#	BODY SIZE	THREAD SIZE	
28592	1/4"	1/8"	----
28593	1/4"	1/4"	----
28594	1/4"	3/8"	----

FEMALE COUPLER



PART#	BODY SIZE	THREAD SIZE	
28583	1/4"	1/8"	----
28584	1/4"	1/4"	----
28585	1/4"	3/8"	----

HOSE ID COUPLER



PART#	BODY SIZE	BARB SIZE	
28601	1/4"	1/4"	----
28603	1/4"	3/8"	----

MALE PLUG



PART#	BODY SIZE	THREAD SIZE	
28586	1/4"	1/8"	----
28587	1/4"	1/4"	----

FEMALE PLUG



PART#	BODY SIZE	THREAD SIZE	
28578	1/4"	1/4"	----

HOSE ID PLUG



PART#	BODY SIZE	BARB SIZE	
28595	1/4"	1/4"	----
28597	1/4"	3/8"	----



USE OUR TEXT LINE [855-609-3729](tel:855-609-3729) TO COMMUNICATE WITH MIDLAND MORE CONVENIENTLY

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

AUTOMOTIVE/ PARKER INTERCHANGE

PNEUMATICS

AUTOMOTIVE/ PARKER INTERCHANGE (Tru-Flate)

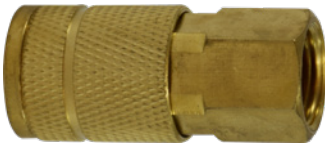
- Brass couplers are brass bodies with brass valves, 6 steel locking balls, NBR seal, and stainless steel springs. Steel couplers are steel bodies with steel valves, 6 stainless steel locking balls, NBR seal, and stainless steel springs.
- Plugs are brass or steel with green blue zinc plating
- Unique design has been field proven as a long-lasting, high performance coupling especially when used with pneumatic tools
- Maximum working pressure is 300 PSI

BRASS MALE COUPLER



PART#	BODY SIZE	THREAD SIZE	
28515	1/4"	1/8"	----
28516	1/4"	1/4"	----
28517	1/4"	3/8"	----

BRASS FEMALE COUPLER



PART#	BODY SIZE	THREAD SIZE	
28507	1/4"	1/4"	----
28508	1/4"	3/8"	----

STEEL MALE COUPLER



PART#	BODY SIZE	THREAD SIZE	
28516S	1/4"	1/4"	----
28514S	3/8"	1/4"	----
28519S	3/8"	3/8"	----

STEEL FEMALE COUPLER



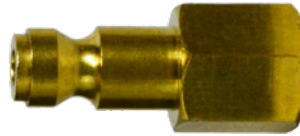
PART#	BODY SIZE	THREAD SIZE	
28507S	1/4"	1/4"	----
28525S	3/8"	1/4"	----
28526S	3/8"	3/8"	----

BRASS MALE PLUG



PART#	BODY SIZE	THREAD SIZE	
28510B	1/4"	1/4"	----

BRASS FEMALE PLUG



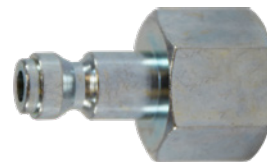
PART#	BODY SIZE	THREAD SIZE	
28501B	1/4"	1/4"	----

STEEL MALE PLUG



PART#	BODY SIZE	THREAD SIZE	
28509	1/4"	1/8"	----
28510	1/4"	1/4"	----
28511	1/4"	3/8"	----
28512	3/8"	1/4"	----
28513	3/8"	3/8"	----

STEEL FEMALE PLUG



PART#	BODY SIZE	THREAD SIZE	
28500	1/4"	1/8"	----
28501	1/4"	1/4"	----
28502	1/4"	3/8"	----
28503	3/8"	1/4"	----
28504	3/8"	3/8"	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

AUTOMOTIVE/ PARKER INTERCHANGE

PNEUMATICS

HOSE ID COUPLER



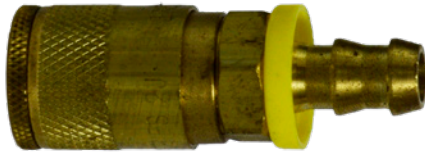
PART#	BODY SIZE	BARB SIZE	
28528	1/4"	1/4"	----
28530	1/4"	3/8"	----
28536	3/8"	1/4"	----

HOSE ID PLUG



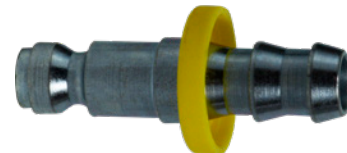
PART#	BODY SIZE	BARB SIZE	
28518	1/4"	1/4"	----
28520	1/4"	3/8"	----
28523	3/8"	1/4"	----
28524	3/8"	3/8"	----

PUSH-ON HOSE COUPLER



PART#	BODY SIZE	BARB SIZE	
28531	1/4"	1/4"	----
28532	1/4"	3/8"	----

PUSH-ON HOSE PLUG



PART#	BODY SIZE	BARB SIZE	
28521	1/4"	1/4"	----
28522	1/4"	3/8"	----

LINCOLN INTERCHANGE

- Couplers have brass bodies with steel sleeves, Acetal valves, 6 steel locking balls, Nitrile seal and stainless steel springs
- Plugs are steel with green blue zinc plating
- Manual style
- Unique design includes long nose and short ball groove
- Maximum working pressure is 250 PSI

MALE COUPLER



PART#	BODY SIZE	THREAD SIZE	
28683	1/4"	1/4"	----

STEEL MALE PLUG



PART#	BODY SIZE	THREAD SIZE	
28685	1/4"	1/8"	----
28686	1/4"	1/4"	----

FEMALE COUPLER



PART#	BODY SIZE	THREAD SIZE	
28684	1/4"	1/4"	----

STEEL FEMALE PLUG



PART#	BODY SIZE	THREAD SIZE	
28687	1/4"	1/4"	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

PNEUMATICS

COUPLERS

PNEUMATICS

ST SERIES...HIGH FLOW


SPECIFICATIONS

Brass - Coupler & Steel Plug	
Temperature Range	-40° to 250°

- Non-valved couplings for applications where maximum flow is required. Ideal for applications such as high pressure water and steam washers, carpet cleaners and mold coolant lines. They are often used in food processing, on fluid and dye transfer lines.
- Standard seals are Buna-N (Nitrile).

MALE PIPE COUPLER


BRASS



PART #	BODY & THREAD SIZE	
28667	1/8"	----
28665	1/4"	----
28666	3/8"	----
28668	1/2"	----
28669	3/4"	----
28670	1"	----

FEMALE PIPE COUPLER


BRASS



PART #	BODY & THREAD SIZE	
28671	1/8"	----
28651	1/4"	----
28652	3/8"	----
28672	1/2"	----
28673	3/4"	----
28674	1"	----

MALE PLUG


STEEL



PART #	SIZE	
28675	1/8"	----
28639	1/4"	----
28640	3/8"	----
28676	1/2"	----
28677	3/4"	----

FEMALE PLUG

STEEL




PART #	SIZE	
28688	1/8"	----
28619	1/4"	----
28620	3/8"	----
28679	1/2"	----
28680	3/4"	----
28681	1"	----

MOLD COOLANT-LINE QUICK COUPLERS

OPERATING PRESSURE:
200 PSIG (14.06 Kg/sq. cm)
Standard Seal:
SILICONE: -90°F to 400°F (-68°C to + 205°C)

- MIDLAND coolant couplers are engineered for optimum speed and performance in connecting coolant lines to molds used for thermoplastic, thermo-setting, blow molding, diecasting and on other types of tooling and equipment utilizing a constant fluid flow pumped through cooling channels.



MALE PLUG (BRASS)

1/4" BASIC SIZE


PART #	SIZE	A	B	
29900	1/8"	0.69	0.69	----
29901	1/4"	0.84	0.94	----
29902	3/8"	1.00	0.97	----

3/8" BASIC SIZE

PART #	SIZE	A	B	
29906	1/4"	1.00	0.94	----
29907	3/8"	1.00	1.13	----
29908	1/2"	1.81	1.25	----

1/2" BASIC SIZE

PART #	SIZE	A	B	
29911	1/2"	1.25	1.50	----
29912	3/4"	1.50	1.56	----



FEMALE PLUG (STEEL)

1/4" BASIC SIZE

PART #	SIZE	
29903	1/8"	----
29904	1/4"	----
29905	3/8"	----

3/8" BASIC SIZE


PART #	SIZE	
29909	1/4"	----
29910	3/8"	----

1/2" BASIC SIZE

PART #	SIZE	
29913	1/2"	----
29914	3/4"	----


MINI TYPE QUICK DISCONNECTS

MALE COUPLER



PART #	SIZE	
28605	1/8"	----

FEMALE PLUG



PART #	SIZE	
28608	1/8"	----

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MUFFLERS/ VENTS

PNEUMATICS

BRASS MUFFLERS

Materials:

Body: Brass

Element: Sintered Bronze

Max Operating Pressure: 300PSI

Temperature: 35° to 300°F

• Application: Designed to diffuse Air & Muffler noise to acceptable levels within OSHA noise requirements.

• Used on exhaust ports, valves, cylinders and air tools.

• Construction: Porous sintered bronze 40 micron filter element secured to a brass body



PART #	SIZE	
300020	10/32"	----
300021	1/8"	----
300022	1/4"	----
300023	3/8"	----
300024	1/2"	----
300026	3/4"	----
300028	1"	----

40 Micron element

STAINLESS MUFFLERS



Materials:

Body: 303 Grade Stainless Steel

Element: 316 Grade Stainless Steel

Max Operating Pressure: 300PSI

Temperature: 35° to 392°F

PART #	SIZE	
300031	10/32"	----
300032	1/8"	----
300033	1/4"	----
300034	3/8"	----
300035	1/2"	----
300036	3/4"	----
300037	1"	----

BRASS BREATHER VENT



Materials:

Body: Brass

Element: Sintered Bronze

Max Operating Pressure: 150PSI

Temperature: 35° to 300°F

• Application: Prevents Dirt and Foreign Particles from Entering Ports Open to Atmosphere. Typically used on Acting Cylinders

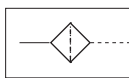
• Additional Use is Vacuum Relief or Pressure Equalization on Storage Vessels or Tanks

• Construction: Porous Sintered Bronzed 40 Micron Filter Element Secured to a brass body

PART #	SIZE	
300000	10-32"	----
300001	1/8"	----
300002	1/4"	----
300003	3/8"	----
300004	1/2"	----
300006	3/4"	----
300008	1"	----

40 Micron element

STAINLESS BREATHER VENT



Materials:

Body: 303 Grade Stainless Steel

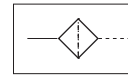
Element: 316 Grade Stainless Steel

Max Operating Pressure: 150PSI

Temperature: 35° to 390°F

PART #	SIZE	
300014	1/8"	----
300015	1/4"	----
300017	3/8"	----
300018	1/2"	----
300019	3/4"	----
300007	1"	----

PRESSURE SNUBBER



Materials:

Body: Brass

Element: Sintered Bronze

Max Operating Pressure: 9000PSI

Temperature: 35° to 300°F

• Applications: Protect pressure instruments from sudden pressure surges and fluctuations providing more accurate gauge readings

• Construction: Solid brass housing with porous bronze element

• Can be used for mini in-line filters

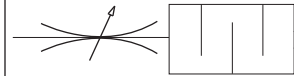
• 5 different porosity elements per package, allows each user to adjust snubbing capacity for the specific application

PART #	SIZE	POROSITY	
28354	1/4"	40 um	----
28353	1/4"	30 um	----
28352	1/4"	25 um	----
28351	1/4"	20 um	----
28350	1/4"	10 um	----

Recommended Element Porosity Rating

Rating	Color	Recommended Application
40 um	None	Viscous Fluids (over 500 ssu)

SPEED CONTROL VALVE



Materials:

Body: Brass

Element: 40 Micron Sintered Bronze

Max Operating Pressure: 300PSI

Temperature: 35° to 300°F

• Application: Provide infinite variation of metering air flow at acceptable sound levels on air valve exhaust ports with complete safety

• The speed of an operating cylinder or air tool may be increased or decreased with the adjusting screw, the final position is locked in place by a lock nut

• Objectionable exhaust air noise is eliminated by the surrounding sleeve - 40 um sintered bronze

• Brass Body

• Max operating pressure: 300PSI

• Operating temperature: 35° F to 300° F

PART #	SIZE	
940800	1/8"	----
940801	1/4"	----
940803	3/8"	----
940804	1/2"	----
940805	3/4"	----
940806	1"	----

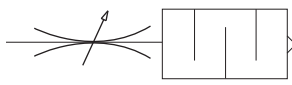
WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



VALVES/ MUFFLERS/ FILTERS

PNEUMATICS

STAINLESS SPEED CONTROL VALVE

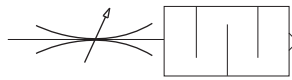


70 Micron filter element

Materials:
Body: 303 Grade Stainless Steel
Element: 316 Grade Stainless Steel
Max Operating Pressure: 300PSI
Temperature: 35° to 392°F

PART #	SIZE	
940810	1/8"	----
940811	1/4"	----
940812	3/8"	----
940813	1/2"	----
940814	3/4"	----
940815	1"	----

MUFFLER W/ FLOW ADJUSTMENT



Materials:
Body: Brass
Element: Sintered Bronze
Max Operating Pressure: 300PSI
Temperature: 35° to 300°F

PART #	SIZE	
28379	1/8"	----
28380	1/4"	----
28381	3/8"	----
28382	1/2"	----

HIGH FLOW ALUMINUM MUFFLER

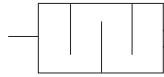
• hole pattern



Materials:
Body: Aluminum
Element: 50 Mesh Stainless Steel
Max Operating Pressure: 300PSI
Temperature: 35° to 160°F

PART #	SIZE	
940822	1/8"	----
940823	1/4"	----
940824	3/8"	----
940825	1/2"	----
940826	3/4"	----
940827	1"	----

HIGH FLOW STEEL MUFFLER



Materials:
Body: Steel
Element: 50 Mesh Stainless Steel
Max Operating Pressure: 300PSI
Temperature: 35° to 160°F

PART #	SIZE	
28373	1/8"	----
28374	1/4"	----
28375	3/8"	----
28376	1/2"	----
28377	3/4"	----
28378	1"	----

ALUMINUM HIGH FLOW MUFFLER

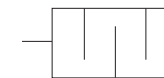


Materials:
Body: Aluminum
Element: 50 Mesh Stainless Steel
Max Operating Pressure: 300PSI
Temperature: 35° to 160°F

- Slit pattern
- Application: Used exhaust ports of Pneumatic valves or manifolds to reduce work area noise
- Construction: Aluminum body, 50 mesh self cleaning stainless steel screen corrosion resistant aluminum shell
- High flow & minimal back pressure

PART #	SIZE	
28367	1/8"	----
28368	1/4"	----
28369	3/8"	----
28370	1/2"	----
28371	3/4"	----
28372	1"	----

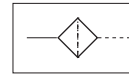
PLASTIC HIGH FLOW MUFFLER



Materials:
Body: Black Nylon
Element: 50 Mesh Stainless Steel
Max Operating Pressure: 150PSI
Temperature: 35° to 120°F

PART #	SIZE	
28363	1/8"	----
28364	1/4"	----
28365	3/8"	----
28366	1/2"	----

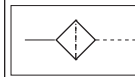
NIPPLE INLINE FILTER



Materials:
Body: Brass
Element: 40 Micron Sintered Bronze
Max Operating Pressure: 300PSI
Temperature: 35° to 300°F

PART #	SIZE	
940845	1/8"	----
940846	1/4"	----
940847	3/8"	----
940848	1/2"	----

REPAIRABLE AIR/ OIL INLINE FILTER



Materials:
Body: Anodized Aluminum
Element: 40 Micron Sintered Bronze
Max Operating Pressure: 300PSI
Temperature: 35° to 200°F

- Application: Protect small air tools i.e. impact wrench grinders, screwdrivers and low pressure hydraulic applications
- Construction: All anodized, lightweight aluminum housing
- Can be installed directly before the air tool
- Features cleanable or replaceable 40 micron filter element

PART #	SIZE	
940840	1/8"	----
940841	1/4"	----
940842	3/8"	----
940843	1/2"	----
940844	3/4"	----

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



MANIFOLDS AND AIR REGULATORS

PNEUMATICS

MANIFOLDS

MANIFOLDS - ALUMINUM WITH BLACK ANODIZING

Materials:

Aluminum with black anodizing for corrosion resistance.

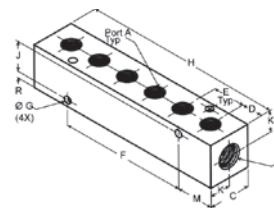
Specifications:

Max Operating Pressure: 1000PSI

Temperature: -10° to 200°F

Media: Air and liquids compatible with materials of construction.

• Ports column = # of ports in top of manifold



THREADED PORTS

Part #	Ports		A - out NPT	B - in NPT	C	D	E	F	G	H	J	K	M	R
28450	4	----	1/8"	1/4"	1.00	0.50	0.75	1.5	0.17	3.25	0.70	0.50	0.88	0.15
28452	6	----						3.00		4.75				
28456	10	----						6.00		7.75				
28458	3	----	1/4"	3/8"	1.25	0.63	0.88	0.88	0.20	3.00	0.89	0.63	1.06	0.18
28460	5	----						2.63		4.75				
28464	9	----						6.13		8.25				
28465	10	----						7.00		9.13				
28467	3	----						1.13		4.25				
28468	4	----						2.25		5.38				
28469	5	----	3/8"	3/8"	1.25	1.00	1.13	3.38	0.20	6.50	0.89	0.63	1.56	0.18
28470	6	----						4.50		7.63				

3 IN 1 ALUMINUM AIR MANIFOLD

No need to connect and disconnect every time you want to change tools. Supply 3 air tools from one outlet. These manifolds have one inlet with three 1/4 outlets.



PART #	SIZE	
320120	1/4" Inlet	----
320121	3/8" Inlet	----
320122	1/2" Inlet	----
three 1/4" Outlets		

AIR REGULATOR

- Rated for Inlet Pressrue up to 140PSI(10bar).
- Ambient and Fluid Tempreature:5~60°C(41~140°F)
- Port Threads:NPT
- Flow Capacity:See Below,at 0.7Mpa Inlet Pressure and set at 0.5Mpa.
- Assembly Bracket is included.



PART #	SIZE	GAUGE PORT	REGULATING RANGE	
AR2	1/4"	1/8	0.05~0.85Mpa(0.5~8.5kgf/cm2)(7.25psi~123psi)	----

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PNEUMATICS

SAFETY VALVES

ASME CODED

- Valves are manufactured to ASME standards and certified by the national board of boiler and pressure vessel inspectors.
- Bubble tight to 10% of set pop-off pressure.
- ASME safety valves are interchangeable with all other ASME valves of same size and pressure.
- Brass construction. Marked ASME, NB
- 1/ Blister card.



PART #	MALE NPT	POP-OFF PRESSURE	AIR FLOW	
87001	1/4"	70 PSI	70 CFM	----
87002	1/4"	125 PSI	120 CFM	----
87003	1/4"	150 PSI	140 CFM	----
87004	1/4"	200 PSI	170 CFM	----

Note: Valve resets after pressure drops 50%

NON-CODED SAFETY RELIEF VALVES

- Non-coded safety valves are constructed of the same materials as the AMSE safety valves but are not national board certified and cannot be used on applications requiring ASME components.
- Valves are equipped with a lift ring for instant relief and are staked at the factory at the pre set pop-off pressure.
- Marked ASME, UV, NB

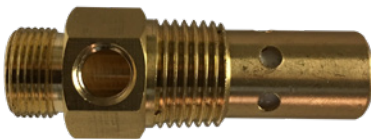


PART #	MALE NPT	POP-OFF PRESSURE	
87008	1/4"	125 PSI	----
87009	1/4"	150 PSI	----

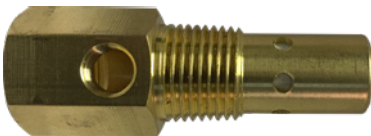
Warning: These valves are not to be used on compressors with a capacity over 15 CFM or 3 HP or 12 gallon storage tank.

COMPRESSOR TANK CHECK VALVES

- Used in compressor tanks to prevent air volume and pressure from escaping back into compressor heads while the compressor is not operating.
- Brass body with Teflon poppet.
- 1/8" Female NPT side port for pressure switch application.
- Maximum working pressure: 450 PSI
- Maximum temperature: 400°F



PART #	TANK BUNG HOLE SIZE	COMPRESSOR AIR LINE SIZE	SCFM	
87020	1/2" NPT Male	3/8" Tube Compression male	20	----
87021	1/2" NPT Male	1/2" Tube Compression male	20	----



87023	1/2" NPT Male	1/2" NPT Female	20	----
-------	---------------	-----------------	----	------



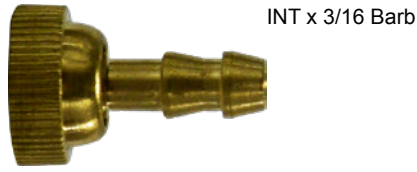
GO ONLINE TO UPLOAD YOUR LOGO TO UTILIZE ALL OF OUR CUSTOMIZABLE TOOLS!

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

tank valves

BRASS BICYCLE PUMP FITTING

Screw on swivel chuck for most hand operated tire pumps.
Buna-N-Seal • Deflator



INT x 3/16 Barb

PART #	SIZE	
32782	3/16"	----

INFLATOR



INT x 3/16

PART #	SIZE	
32783	3/16"	----

PNEUMATIC SLIDE VALVE

- Max Operating Pressure: 200 psig
- Temperatures: -20°F to +200°F

Manually operated slide valves provide simple on/off airflow control. They can be mounted horizontally, vertically or at any angle.

Open Position



MALE X FEMALE

PART #	SIZE	L	HEX	
20780	1/8"	2.15	9/16"	----

INT = Inflation needle thread .305 in. OD x 32 threads per inch
 (see page 371)

TANK & VENT VALVES

Three standard styles of valve bodies, complete with short core, for air lifts, water pumps, vacuum, pressurized containers, air jacks, and other pneumatic devices.
 REGULAR: 300 PSI and cracking pressure 80 PSI

1/8" NPT - .9" LONG SPRING CORE

7/16" Hex

1/8 x INT



PART #	SIZE	
46620	1/8	----

1/8" NPT 1.207" LONG SPRING CORE

7/16" Hex

1/8 x INT



PART #	SIZE	
46621	1/8	----

1/4" NPT 1.46" LONG SPRING CORE

9/16" Hex

w/ Black cap

1/4 x INT



PART #	SIZE	
46622	1/4	----

TANK VALVE ACCESSORIES

BLACK PLASTIC CAP

No gasket



Inflation
 needle threads

PART #	
46630	----

SHORT NICKEL PLATED DOME CAP

Dome skirted type



Inflation
 needle thread

PART #	
46631	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

BLOW GUNS/ NOZZLES

PNEUMATICS

COMPACT BLOW GUN W/RUBBER TIP

- Includes One Rubber Tip and One Safety Tip
- Zinc Alloy Body
- 1/4" FPT Inlet
- Maximum 150 psi (Recommended Working Pressure 90-120 psi)
- Safety Tip Limits Air Pressure to 30 psi When Dead-Ended per OSHA requirement
- Maximum 87 dba
- 1/8" Outlet



PART #	SIZE	
320053	1/4"	----

SAFETY BLOW GUN

- Heavy-Duty Design
- Internal Safety Valve that Limits Air Pressure to Less than 30 psi When dead-ended per OSHA
- Aluminium Alloy Body
- 1/4" FPT Inlet
- Maximum 150 psi (Recommended Working Pressure 90-120 psi)
- Safety Tip Limits Air Pressure to 30 psi When Dead-Ended per OSHA Requirement
- Maximum 87 dba
- 1/8" Outlet



PART #	SIZE	
320054	1/4"	----

SAFETY BLOW GUN

- N/P steel handle with plastic sleeve
- Brass Valve
- Zinc body
- Aluminum nozzle



1/8" Outlet

PART #	SIZE	
320050	1/4" Inlet	----

5114 51-124 401 20430AD 5148 D204-30 6475

COMPACT BLOW GUN

- With standard tip and safety tip
- Zinc Alloy Body
- 1/4" FPT Inlet
- Maximum 150 psi (Recommended Working Pressure 90-120 psi)
- Safety Tip Limits Air Pressure to 30 psi When Dead-Ended per OSHA Requirement
- Maximum 87 dba



PART #	SIZE	
320055	1/4"	----

PISTOL GRIP BLOW GUN

- Lightweight, Ergonomic Design
- Delrin® Body
- Trigger Air Flow Control
- 1/4" FPT Inlet
- 3" Nozzle Ideal for Tight Spaces
- Recommended Working Pressure 90-120 psi
- Maximum 87 Dba



PART #	SIZE	
320036	1/4"	----

PISTOL GRIP BLO-GUN

Material

- Body: POM (engineering plastic)
- Nozzle: nickel plated carbon steel
- Blue Handle Color

Features

- Simple construction, economic
- Global thread connection
- Durable and versatile applications
- 4 inch nozzle



150 PSI

PART #	SIZE	
320035	1/4"	----

RUBBER TIPPED NOZZLE



MAKES POSITIVE SEAL BETWEEN GUN AND FUEL LINE OR OTHER OPENINGS. USE ONLY ON AIR LINE

PART #	THREAD SIZE	
320070	1/8 - 27	----

51-521 2058 D201RT 411R

HIGH FLOW SAFETY NOZZLE



MEETS OSHA REGULATIONS OF 30 PSI MAXIMUM OUTLET PRESSURE WHEN LINE PRESSURE IS 150 PSI OR LESS. HAS AN AIR PRESSURE BYPASS WHICH PREVENTS BUILD UP OF TIP PRESSURE EVEN IF NOZZLE IS BLOCKED. ADAPTS TO ANY BLOW GUN WITH A 1/8" NPT NOZZLE PORT

PART #	SIZE	
320075	1/8 MIP x Female Needle Thread	----

51-338 SST10 411BT 2056

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TIRE GAUGES

PNEUMATICS

tire gauges

M - TIRE GAUGE

320-021



HEAVY DUTY DUAL FOOT TIRE GAUGE

320-022



DUAL ANGLE FOOT TRUCK PENCIL GAUGE

320-023



PART #	PRESSURE RANGE	INCREMENT	HEAD	BODY	BAR(PSI/KPA)	
320021	20-120psi	2 psi	Metal	Metal	4 sided plastic	----
320022	10-120psi	2 psi	Plastic	Metal	4 sided plastic	----
320023	20-120psi	2 psi	Metal	Metal	4 sided plastic	----

INFLATION NEEDLE



• See thread note below

PART #	
320095	----

1 PIECE BLOW GUN TAPERED NOZZLE



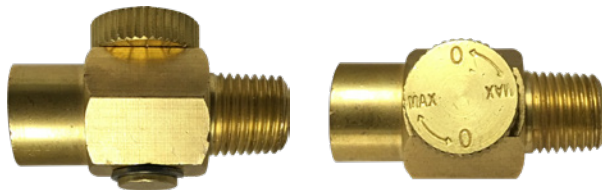
PART #	SIZE	
320076	NT	----

1 PIECE BLOW GUN STANDARD NOZZLE



PART #	SIZE	
320077		----

VOLUME REGULATOR



PART #	FIP X MIP	
46615	1/4	----

What size thread is an inflation needle (INT)?

Metric: 7.7mm OD, thread root diameter is 6.9mm x 0.794 pitch

English: 0.305 OD, threadroot diameter 0.302 in x 32 tpi (threads per inch)

1 PIECE DIAL TIRE GAUGE



PART #	
320410	----

1 PIECE EXTENSION



PART #	SIZE	
320080	NT	----

1 PIECE BLOW GUN ADAPTER



PART #	SIZE	
320078	Female NT x 1/8 MPT	----

NYLON COIL AIR HOSE

- 200 psi working pressure
- 4:1 Safety factor (burst vs working pressure)
- Spring end sleeves to prevent kinking
- 1/4 MPT Brass fittings on both ends
- Temperature range 32°F to 120°F
- Packaged for retail sale



PART #	DESCRIPTION	SIZE	
307030	25'	1/4" NPT	----
307031	50'	1/4" NPT	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

PNEUMATICS

CHUCKS
PNEUMATICS

foot chucks

HEX BALL FOOT CHUCK



PART #		
46600	1/4 FPT Live Air	----

MALE BALL FOOT CHUCK



PART #		
46605	1/4 MIP Live Air	----

BALL FOOT CHUCK W/ 1/4 ID HOSE BARB



PART #		
46607	1/4 ID Live Air	----

DUAL HEAD STRAIGHT AIR CHUCK



DUAL HEAD AIR CHUCK 1/4"FNPT,THE LENGTH IS 6.08",THE HEAD IS ZINC-ALLOY,AND THE NUT IS BRASS WITH CHROME PLATED.

PART #		
320000	1/4	----

DUAL HEAD ANGLE FOOT AIR CHUCK



DUAL HEAD STRAIGHT FOOT AIR CHUCK 1/4"FNPT FOR INNER DUALS;BOTH ENDS LOCK ON VALVE CORE THREADS,THE LENGTH IS 6.66",THE HEAD IS ZINC-ALLOY,AND THE NUT IS BRASS WITH

PART #		
320005	1/4	----

INFLATORS WITH GAUGE

INFLATOR/ GAUGE

- RUGGED ZINC CAST BODY WITH BRASS INTERNALS FOR LONG LIFE
- SOLID BRASS GAUGE BAR
- BUILT-IN AIR RELIEF VALVE



320-010

INFLATOR/ GAUGE

- RUGGED ZINC CAST BODY WITH BRASS INTERNALS FOR LONG LIFE
- EASY TO VIEW BUILT-IN SIGHT GAUGE
- FULL SWIVEL HOSE FITTINGS
- PROTECTIVE RUBBER BUMPER
- BUILT-IN AIR RELIEF VALVE
- 6"DUAL-FOOT AIR CHUCK



320-011

PART #	PRESSURE RANGE	INCREMENT	INLET	HOSE LENGTH	
320010	10-120 psi	2 psi	1/4 FPT	12"	----
320011	10-120 psi	2 psi	1/4 FPT	12"	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

AIR ACCESSORY SET

PNEUMATICS

16PCS-AIR ACCESSORY SET

PART# 87-400



LIST PRICE: —

CONTENTS OF BLISTER CARD PACKAGE

COMPONENTS AND PART#'S

1pc-1/4"FNPT industrial coupler	28540
2pcs-1/4"FNPT industrial plugs	28534
2pcs-1/4"MNPT industrial plugs	28546
1pc-1/4" male connector	28212
1pc-1/4" double female connector	28059
1pc-ball foot chuck	46600
1pc-blow gun	320050
1pc-dial tire gauge	320410
1pc-tapered rubber tip	320070
1pc-blow gun safety nozzle	320075
1pc-blow gun tapered nozzle	320076
2pcs-inflation needles	320095
1pc-25ft. nylon recoil hose	307030

10PCS-AIR ACCESSORY SET

PART# 87-402



LIST PRICE: —

CONTENTS OF BLISTER CARD PACKAGE

COMPONENTS AND PART#'S

1pc-1/4"female connector	28059
1pc-blow gun safety nozzle	320075
1pc-blow gun tapered nozzle	320076
1pc-ball foot chuck	46605
1pc-blow gun	320050
1pc-1/4"FNPT industrial coupler	28540
1pc-1/4" FNPT industrial plug	28534
1pc-1/4"MNPT industrial plug	28546
2pcs-inflation needles	320095

7PCS-AIR ACCESSORY SET

PART# 87-404



LIST PRICE: —

CONTENTS OF BLISTER CARD PACKAGE

COMPONENTS AND PART#'S

1pc-blow gun rubber tip	320070
1pc-blow gun safety nozzle	320075
1pc-blow gun tapered nozzle	320076
1pc-extension	320080
1pc-blow gun	320050
2pcs-inflation needles	320095

11PCS-AIR ACCESSORY SET

PART# 87-406



LIST PRICE: —

CONTENTS OF BLISTER CARD PACKAGE

COMPONENTS AND PART#'S

1pc-blow gun rubber tip	320070
1pc-blow gun safety nozzle	320075
1pc-blow gun tapered nozzle	320076
1pc-blow gun standard nozzle	320077
1pc-blow gun adapter	320078
1pc-hose&chuck assembly	320414
1pc-blow gun	320050
1pc-inflation needle	320095
1pc-1/4"FNPT industrial coupler	28540
1pc-1/4" FNPT industrial plug	28534
1pc-1/4"MNPT industrial plug	28546

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

PNEUMATICS

AIR ACCESSORY SET

PNEUMATICS

17PCS-AIR ACCESSORY SET

PART# 87-408



LIST PRICE: —

CONTENTS OF BLISTER CARD PACKAGE

COMPONENTS AND PART#'S

1pc-1/4" double female connector	50004
2pcs-1/4" double male connectors	54044
1pc-blow gun safety nozzle	320075
1pc-blow gun tapered nozzle	320076
1pc-dual-foot tire chuck	320005
1pc-tire gauge	320021
1pc-blow gun	320050
1pc-1/4" FNPT industrial coupler	28540S
2pcs-1/4" FNPT industrial plug	28534
4pcs-1/4" MNPT industrial plug	28546
2pcs-inflation needles	320095

12PCS-AIR ACCESSORY SET

PART# 87-410



LIST PRICE: —

CONTENTS OF BLISTER CARD PACKAGE

COMPONENTS AND PART#'S

1pc-blow gun safety nozzle	320075
1pc-blow gun tapered nozzle	320076
1pc-blow gun rubber nozzle	320070
1pc-ball foot tire chuck	46600
1pc-blow gun	320050
1pc-1/4"FNPT industrial coupler	28540
1pc-1/4" MNPT industrial coupler	28552
2pcs-1/4"FNPT industrial plug	28534B
2pcs-1/4"MNPT industrail plug	28546B
1pc-inflation needle	320095

20PCS-AIR ACCESSORY SET

PART# 87-412



LIST PRICE: —

CONTENTS OF BLISTER CARD PACKAGE

COMPONENTS AND PART#'S

1pc-dual-foot tire chuck	320005
1pc-tire gauge	320021
1pc-blow gun rubber nozzle	320070
1pc-blow gun adapter	320078
1pc-1/4" double male connector	54044
1pc-1/4" double female connector	50004
1pc-blow gun safety nozzle	320075
1pc-blow gun tapered nozzle	320076
1pc-thread seal tape	982107
1pc-blow gun	320050
2pcs-1/4"FNPT industrial coupler	28540S
2pcs-1/4"FNPT industrial plug	28534
3pcs-1/4"MNPT industrial plug	28546
2pcs-inflation needles	320095
1pc-1/4"x 25Ft coil Nylon hose	307030

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

QUICK DISCONNECT KITS

PNEUMATICS

1/4" X 1/4" NPT INDUSTRIAL 7PCS

PART# 87-414

CONTENTS OF BLISTER CARD PACKAGE



LIST PRICE: —

COMPONENTS AND PART#'S

2pc-1/4"x1/4" FNPT T I/M coupler	28540S
2pcs-1/4"x1/4" FNPT I/M plugs	28534
2pcs-1/4"x1/4" MNPT I/M plugs	28546
1pc-double 1/4" MNPT fitting	54044

1/4" X 1/4" NPT INDUSTRIAL 5PCS

PART# 87-416

CONTENTS OF BLISTER CARD PACKAGE



LIST PRICE: —

COMPONENTS AND PART#'S

1pc-1/4"x1/4"FNPT I/M coupler	28540S
4pc-1/4"X1/4" MNPT I/M plug	28546

1/4" X 1/4" NPT INDUSTRIAL 5PCS

PART# 87-418

CONTENTS OF BLISTER CARD PACKAGE



LIST PRICE: —

COMPONENTS AND PART#'S

1pc-1/4"x1/4"FNPT I/M coupler	28540S
1pc-1/4"x1/4"FNPT I/M plug	28534
1pc-1/4"X1/4" MNPT I/M plug	28546
1pc-double 1/4" MNPT fitting	54044

1/4" X 1/4" NPT INDUSTRIAL 3PCS

PART# 87-420

CONTENTS OF BLISTER CARD PACKAGE



LIST PRICE: —

COMPONENTS AND PART#'S

1pc-1/4"x1/4" FNPT I/M coupler	28540S
1pc-1/4"x1/4" FNPT I/M plug	28534
1pc-1/4"x1/4" MNPT I/M plug	28546

3/8" X 1/4" NPT AUTOMOTIVE 5PCS KIT

PART# 87-422

CONTENTS OF BLISTER CARD PACKAGE



LIST PRICE: —

COMPONENTS AND PART#'S

1pc-3/8"x1/4" FNPT Automotive coupler	28525S
2pcs-3/8"x1/4"MNPT Automotive plugs	28512
1pc-double 1/4"MNPT fitting	28212
1pc-double 1/4"FNPT fitting	28059

GAUGES
PNEUMATICS

gauges

STANDARD DRY GAUGES

STEEL CASE

All the gauges supplied by Midland Industries. are designed for long, reliable service under rugged conditions. Typical applications include compressors, filter regulators, water pumps, beverage dispensing equipment, hydraulic and pneumatic systems, and other applications, where the media does not corrode brass. ALL CONNECTIONS ARE BRASS.



1-1/2" FACE
1/8" NPT LOWER MOUNT

PART #	PSI	
80501	0-15	----
80502	0-30	----
80503	0-60	----
80504	0-100	----
80505	0-160	----
80506	0-200	----

LOWER MOUNT

- Plastic lens (window)



2" FACE
1/4" LOWER MOUNT

PART #	PSI	
80001	0-15	----
80002	0-30	----
80003	0-60	----
80004	0-100	----
80005	0-160	----
80006	0-200	----
80007	0-300	----
80020	30-0 Vacuum	----



2-1/2" FACE
1/4" LOWER MOUNT

PART #	PSI	
80031	0-15	----
80032	0-30	----
80033	0-60	----
80034	0-100	----
80035	0-160	----
80036	0-200	----



1-1/2" FACE
1/8" NPT CENTER BACK MOUNT

PART #	PSI	
80511	0-15	----
80512	0-30	----
80513	0-60	----
80514	0-100	----
80515	0-160	----
80516	0-200	----

CENTER BACK MOUNT



2" FACE
1/4" CENTER BACK MOUNT

PART #	PSI	
80301	0-15	----
80302	0-30	----
80303	0-60	----
80304	0-100	----
80305	0-160	----
80306	0-200	----
80307	0-300	----



2-1/2" FACE
1/4" CENTER BACK MOUNT

PART #	PSI	
80331	0-15	----
80332	0-30	----
80333	0-60	----
80334	0-100	----
80335	0-160	----
80336	0-200	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

LIQUID FILLED GAUGES

STAINLESS CASE

Liquid filled gauges enhance the reliability and integrity of the measuring system for long periods. The glycerine filling helps dampen the effects of vibration and pulsation. It also lubricates the movement which extends the life of the gauge. ALL



**1-1/2" FACE
1/8" LOWER MOUNT**

PART #	PSI	
80601	0-15	----
80602	0-30	----
80603	0-60	----
80604	0-100	----
80605	0-160	----
80606	0-200	----



**2-1/2" FACE
1/4" LOWER MOUNT**

PART #	PSI	
80061	0-15	----
80062	0-30	----
80063	0-60	----
80064	0-100	----
80065	0-160	----
80066	0-200	----
80067	0-300	----
80068	0-400	----
80069	0-600	----
80100	0-1000	----
80101	0-1500	----
80102	0-2000	----
80103	0-3000	----
80104	0-5000	----
80105	0-10000	----
80080	30-0 Vacuum	----
80081	-30 to +30	----



**4" FACE
1/4" LOWER MOUNT**

PART #	PSI	
80463	0-100	----

- Liquid Filled Gauges with a stainless case are used for protection in harsh environments.
- Stainless Steel Case
- Copper Alloy Wetted parts
- Polycarbonate window
- ± 1.5% of span accuracy
- Temp. Range -104°F to 158°F

CENTER BACK MOUNT



**1-1/2" FACE
1/8" CENTER BACK MOUNT**

PART #	PSI	
80611	0-15	----
80612	0-30	----
80613	0-60	----
80614	0-100	----
80615	0-160	----
80616	0-200	----



**2-1/2" FACE
1/4" CENTER BACK MOUNT**

PART #	PSI	
80201	0-15	----
80202	0-30	----
80204	0-60	----
80203	0-160	----
80205	0-100	----
80206	0-200	----
80207	0-300	----
80208	0-400	----
80209	0-600	----

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GAUGES/ SYPHON

PNEUMATICS

Water Test Gauge

0-300 PSI DIAL
3/4" FEMALE HOSE
CONNECTION



PART #	FACE SIZE	
991249	2"	----
991250	2-1/2"	----

Water Test Gauge w/Lazy Hand (Maximum pointer)

2-1/2" GAUGE
0-300 PSI DIAL
3/4" FEMALE HOSE
CONNECTION



Regular pressure hand pushes LAZY hand to peak operating or surge pressure point where it remains until you manually reset it. Excellent to determine if P/T valve is leaking from failure or if leaking is caused by surge of excessive pressures. (Attach gauge to Boiler Drain Valve overnight.) LAZY hand operates over entire gauge range of 0-300psi

PART #	
991251	----

GAS TEST GAUGE

Pressure test residential and commercial pipe systems



PART #	FACE SIZE	
GT15	0-15	----
GT30	0-30	----
GT60	0-60	----

BODY ONLY



PART #	FACE SIZE	
991259	3/4" FIP x 1/4" TAP	----

SYPHON

BRASS

Syphons protect instruments from effects of hot pressure media commonly used in steam applications



PART #	SIZE	
995210	1/4" 90°	----
995211	1/4" 180°	----
995212	1/4" 270°	----
995213	1/4" 360°	----

STEEL

Syphons protect instruments from effects of hot pressure media commonly used in steam applications



PART #	SIZE	
995214	1/4" 90°	----
995215	1/4" 180°	----
995216	1/4" 270°	----
995217	1/4" 360°	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

TAPES/ SEALANT

PNEUMATICS

PTFE THREAD SEAL TAPE

- Density 0.4
- Thickness 3.5 MIL
- Meets MIL specs



PART #	SIZE	CASE QTY	
982107	1/2" x 260"	500	----
982108	1/2" x 520"	500	----
982109	3/4" x 260"	350	----
982110	3/4" x 520"	350	----

POP OUT COVERED SPOOL

GREY STAINLESS STEEL

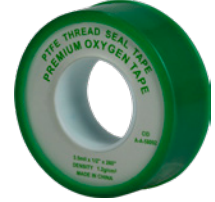
- Density 1.2
- Thickness 4MIL
- Meets MIL specs



PART #	SIZE	CASE QTY	
982135	1/2" x 260"	250	----
982136	1/2" x 520"	150	----
982137	3/4" x 260"	150	----
982138	3/4" x 520"	150	----

GREEN OXYGEN TAPE

- Density 1.2
- Thickness 3.5MIL
- Meets MIL specs



PART #	SIZE	CASE QTY	
982130	1/2" x 260"	250	----
982131	1/2" x 520"	150	----
982132	3/4" x 520"	150	----

PTFE BLUE SEAL TAPE

- Professional grade top -450 to +450°F
- Super long roll
- Twice the density of standard tape for less passes, lasts longer
- Density 0.8
- Thickness 3.5 MIL
- Meets MIL Spec



PART #	SIZE	CASE QTY	
982120	1/2" x 1368"	250	----
982121	3/4" x 1368"	150	----
982122	1" x 1296"	150	----

YELLOW GAS LINE TAPE

- Density 0.9
- Thickness 4MIL
- Meets MIL specs



PART #	SIZE	CASE QTY	
982125	1/2" x 260"	250	----
982126	1/2" x 520"	150	----

PVC ELECTRICAL TAPE

- Rated to 176 degrees fahrenheit
- Suitable for use up to 600V
- UL Listed
- Individually wrapped in cellophane



PART #	SIZE	
982140	3/4" X 60' Black	----

THREAD SEALANT

GASOILA SOFT-SET THREAD WITH PTFE



PART#	SIZE	UNITS PER CASE	
983100	1/4 pt. Brush	24	----
983101	1/2 pt. Brush	24	----

PLS 2 PREMIUM THREAD AND GASKET SEALER



PART#	SIZE	UNITS PER CASE	
983110	1/4 pt. Brush	12	----
983111	1 pt. Brush	6	----

GASOILA NT NON-PTFE THREAD SEALANT



PART#	SIZE	UNITS PER CASE	
983120	1/2 pt. Brush	12	----
983121	1 pt. Brush	6	----

JC-30 GASOILA HIGH-FILL



PART#	SIZE	UNITS PER CASE	
983115	1/4 pt. Brush	12	----
983116	1 pt. Brush	6	----

FREE ALL DEEP PENETRATING OIL



PART#	SIZE	UNITS PER CASE	
983125	6 oz. Aerosol	12	----
983126	11 oz. Aerosol	12	----

LUBE-IT ALL DEEP LUBRI-



PART#	SIZE	UNITS PER CASE	
983130	6 oz. Aerosol	12	----

TRUCK AND TRAILER



INDUSTRY GRADE NYLON AIR COIL ASSEMBLY - SET

- Each kit contains one Emergency (Red) and one service (Blue) 1/2" O.D. nylon tubing assembly.
- 1/2" -14 NPTF end fitting with heavy gauge spring.
- Assemblies meet SAE J844 and DOT FMVSS 106 requirements.
- Temp rating -40° - +208°



PART #	LENGTH	PIGTAIL LENGTH TRACTOR END	PIGTAIL LENGTH TRAILER END	
39404	12'	6"	6"	----
39400	15'	12"	12"	----
39402	15'	40"	12"	----
39406	20'	12"	12"	----

FIFTH WHEEL SLIDER COIL

- Temperatures range -40 to 208°F
- 150 psi max pressure rating
- Meets SAE J844 and DOT FMVSS 106 requirements.
- (2) 1/4" OD fittings assembled



PART #	DESCRIPTION	LENGTH	FITTINGS	
39839	5th Wheel slider coil	up to 54"	(2) 1/4" MPT	----
39838	5th Wheel slider coil	up to 72"	(2) 1/4" MPT	----

3-IN-1 AND 4-IN-1 COMBINATION AIRLINE CABLE

- (2) 3/8" ID SAE J1402 rubber service and emergency with blue (service) and red (emergency) gladhand grip handle
- Color-coded grip helps to minimize incorrect tractor/trailer connections have glad handle with Vibraseal
- ABS power line (green) – meets SAE J2222 requirements
- Auxiliary power line (yellow) – fitted with SAESS60 plugs that have an inverted (male) ground pin 4-in-1 only
- SAE J560 Plugs with sleeves for superior corrosion protection and strain relief
- Corrosion resistant all brass fittings 1/2" male NPT w/ Vibraseal
- Tapered grip flexes with airline during tight turns for kink protection
- Temp rating -40 - 208°F



PART #	DESCRIPTION	
39825	Combo 3 in 1 assembly 15 ft.	----
39962	Combo 4 in 1 assembly 15 ft.	----

WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

hose support

AIRBRAKE HOSE REPAIR KIT



- Fittings to repair hose with a minimum 3/4" OD
- Meets DOT 106 SAE j1402
- Brass sleeve and barb
- Pre-applied sealant

PART #	DESCRIPTION	
39855	3/8" Quick fix hose fitting	----
*39856	3/8" Quick fix hose kit- clam pack	----
39857	1/2" Quick fix hose fitting	----

*Supplied with hex tool



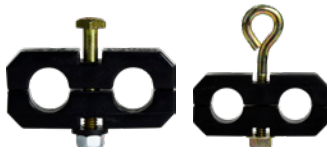
39425

39426

POGO STICKS CANNISTER STYLE

- Large diameter housing eliminates spring binding
- Increased resistance to sagging and bending
- Thick gauge heavy duty spring
- Used for all nylon and rubber air brake hose
- Forged steel mounting stud 7/16-20 thread
- All Pogo Sticks include Eyebolt and Nut

PART #	SIZE	DESCRIPTION	
39425	40"	Chrome finish	----
39426	40"	Zinc Plated Steel	----

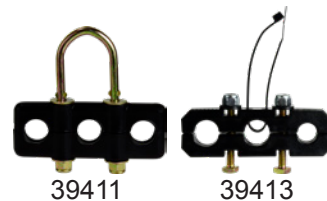


39409

39410

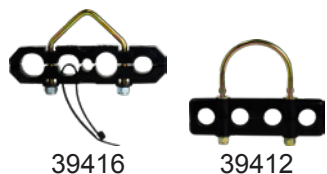
HOSE HOLDERS

- ABS Plastic
- 2, 3 and 4 Hold



39411

39413



39416

39412

PART #	SIZE	DESCRIPTION	
39409	1/2"	2-Hose Holder Hex Head	----
39410	1/2"	2-Hose Holder	----
39411	1/2"	3-Hose Holder	----
39413	1/2"	3-Hose Hex Head w Cable tie	----
39416	1/2"	4-Hose V Bolt w Cable Tie	----
39412	1/2"	4-Hose Holder	----

HOSE SEPARATORS

- ABS Plastic



39415

39418

PART #	SIZE	DESCRIPTION	
39414	3/8"	2-Hose Separator	----
39415	3/8"	4-Hose Separator	----
39418	1/2"	2-Hose Separator	----
39419	1/2"	4-Hose Separator	----

HOSE SUPPORT

TRUCK AND TRAILER



39469



39473



39472



39411

TENDER KIT COMPONENTS

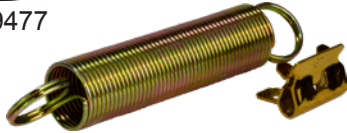
PART #	DESCRIPTION	
39411	3 hole holder	----
39469	Clip Carabiner	----
39472	1-1/2" ID Hanger Bracket	----
39473	Yoke	----

• Sold individually



39477

39471



39463

SPRING WITH TANDEM FRAME CLIP

- Steel spring and clip - yellow dichromate finish
- 3/4" OD
- Beam clip

PART #	DESCRIPTION	
39477	Frame Clip with Cable Tie	----

PART #	LENGTH	DESCRIPTION	
39463	6" Spring	Tandem frame clip	----
39464	3" Spring	Tandem frame clip	----
39471		Frame clip only	----



95631



95640

CLIPS

PART #	DESCRIPTION	
95631	ABS Clip for 1/2" Air Hose	----
95640	5" Axle Clip	----
95641	5-3/4" Axle Clip	----

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



HELP US HELP YOU! GO ONLINE TO UPDATE YOUR CUSTOMER PROFILE SO THAT WE CAN UPDATE ALL THE APPROPRIATE DEPARTMENTS AND PERSONNEL AT YOUR COMPANY ON NEW CATALOGS, PRICING UPDATES, NEW MARKETING TOOLS, AND OTHER IMPORTANT INFORMATION. THANK YOU!

HOSE SUPPORT

TRUCK AND TRAILER



TENDER KIT

Complete Tender Kit includes:

- Large snap Clip
- Heavy duty spring
- Protective tube

PART #	SPRING & TUBE LENGTH/ #PCS	ONE CLIP	3 HOLE CLAMP	YOKE	
39442	16" / 1pc	1pc	1pc		----
39444	16" / 2 pcs	1pc	1pc	2pcs	----
39446	20" / 1pc	1pc	1pc		----
39448	20" / 2pcs	1pc	1pc	2pcs	----
39452	25" / 1pc	1pc	1pc		----
39453	25" / 2pcs	1pc	1pc	2pcs	----

HYDRAULIC TENDER KIT

PART #	SPRING & TUBE LENGTH/ #PCS	LARGE CLIP	HANGER BRACKET	YOKE	
39457	25" / 2pcs	1pcs	1pc	2pcs	----



SLIDER BAR KITS

PART #	SPRING & TUBE LENGTH/ #PCS	LARGE CLIP	3 HOLE CLAMP	SLIDER BAR LENGTH	YOKE	
39437	16" / 1pc	1pc	1pc	43"		----
39438	16" / 2pcs	1pc	1pc	43"	2pcs	----
39459	20" / 2pcs	1pc	1pc	43"	2pcs	----
39460	25" / 1pc	1pc	1pc	43"		----
39461	25" / 2pcs	1pc	1pc	43"	2pcs	----
39470	16" / 1pc	1pc	1pc	38"		----
39462	16" / 2pcs	1pc	1pc	38"	2pcs	----
39451	25" / 1pc	1pc	1pc	38"		----
39454	25" / 2pcs	1pc	1pc	38"	2pcs	----



BARS, SPRINGS, TUBES

PART #	SPRING & TUBE LENGTH/ #PCS	
39443	16" Tube only	----
39447	20" Tube only	----
39436	25" Tube only	----
39466	16" Spring only	----
39467	20" Spring only	----
39468	25" Spring only	----
39474	38" Slider Bar	----
39475	43" Slider Bar	----

gladhands

ALUMINUM GLADHANDS

- 1/2 " FPT port
- Aluminum Casting
- Permanent Clamp Screw
- Black rubber seals
- Stainless Steel filter
- Meet SAE J318 requirements



PORT A

PART #	DESCRIPTION	MATERIAL	SEAL	FILTER	PORT A	
39870	Universal	Aluminum	Blk Rubber	No	1/2"	----
39871	Universal with filter	Aluminum	Blk Rubber	Yes	1/2"	----
39877	Emergency Red	Aluminum	Blk Rubber	No	1/2"	----
39878	Emergency with filter	Aluminum	Blk Rubber	Yes	1/2"	----
39874	Service Blue	Aluminum	Blk Rubber	No	1/2"	----
39875	Service with filter	Aluminum	Blk Rubber	Yes	1/2"	----

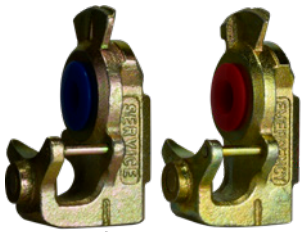
PLATED ALUMINUM GLADHANDS



PART #	DESCRIPTION	MATERIAL	SEAL	FILTER	PORT A	
39832	Universal Standard	Plated Aluminum	Blk Rubber	No	1/2"	----
39833	Service - Blue	Plated Aluminum	Blk Rubber	No	1/2"	----
39834	Emergency - Red	Plated Aluminum	Blk Rubber	No	1/2"	----
39828	Service 38 degree	Plated Aluminum	Blk Rubber	No	1/2"	----
39829	Emergency 38 degree	Plated Aluminum	Blk Rubber	No	1/2"	----
39830	Service 38 degree	Plated Aluminum	Blk Rubber	No	3/8"	----
39831	Emergency 38 degree	Plated Aluminum	Blk Rubber	No	3/8"	----

CAST IRON GLADHANDS

- 1/2 " FPT port
- One-piece casting eliminates problems with clamp separation
- "Positive-stop" post, assures a perfect connection
- Polyurethane seal resist oils, chemicals & provide improved sealing & service life
- Gladhands meet SAE J318 requirements including breakaway requirement.



PORT A

PART #	DESCRIPTION	MATERIAL	SEAL	FILTER	PORT A	
39506	Universal	Cast Iron	Black Polyurethane	No	1/2"	----
39507	Emergency	Cast Iron	Red Polyurethane	No	1/2"	----
39508	Service	Cast Iron	Blue Polyurethane	No	1/2"	----

ANGLE MOUNT ALUMINUM GLADHANDS

- For use in trailer mounting locations
- Dual port provides connection options
- Powder-coated clamp plates are color coded for easy identification
- Port "A" comes standard as unplugged
- (2) 3/8 inch FPT Ports (one plugged).
- (2) 11/32 inch diameter mounting holes.
- Available with Port "B" plugged or unplugged (plug is included, loose in bag)
- Meet SAE J318



PORT A

PORT B

PART #	TYPE	MATERIAL	SEAL	FILTER	PORT A	PORT B	
39511	Emergency	Aluminum	Blk Rubber	No	Unplugged	Plugged	----
39512	Service	Aluminum	Blk Rubber	No	Unplugged	Plugged	----

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



PORT A

POWDER COATED IRON GLADHAND

- Tough powder coating improves wear & corrosion resistance
- Vividly colored to provide improved identification of service & emergency lines
- Stainless steel plate eliminates corrosion of the mating surface
- Polyurethane seal resist oil, chemicals, provide improved sealing & service life
- Meet or exceeds SAE J318 standard

PART #	DESCRIPTION	FILTER	PORT A	
39509	Service with blue poly seal	Yes	1/2"	----
39510	Emergency with red poly seal	Yes	1/2"	----



BRACKET MOUNT SWING AWAY GLADHAND

- Bracket allows 180° rotation allowing for easy hookups, eliminating the need to twist lines during connections
- Helps protect rear-trailer gladhands when not in use
- Filter and closed seal are recommended
- Spring design provides consistent tension throughout rotation
- Design provides both back port and bottom port capabilities
Gladhand mount - 1/2" Male Thread

PART #	DESCRIPTION	MATERIAL	SEAL	FILTER	
39515	Service (Blue)	Aluminum	Blk Rubber	yes	----
39516	Emergency (Red)	Aluminum	Blk Rubber	yes	----



KNOB STYLE SHUTOFF GLADHAND

- Economical trailer shutoff gladhand
- Centered low-profile "snap-stop" knob
- Full face rubber seal
- Available with assembled or separate fittings.
- Meets SAE J318

PART #	DESCRIPTION	MATERIAL	SEAL	FILTER	
39520	1/2" Service (Blue)	Aluminum	Blk Rubber	No	----
39521	3/8" Service (Blue)	Aluminum	Blk Rubber	No	----
39522	1/2" Emergency (Red)	Aluminum	Blk Rubber	No	----
39524	3/8" Emergency (Red)	Aluminum	Blk Rubber	No	----



PORT A

LEVER STYLE SHUTOFF GLADHAND

- Flange mount
- Metal handle shutoff
- Full face rubber seal
- Tough metal Ball valve
- Color coded
- Meets SAE J318

PART #	DESCRIPTION	MATERIAL	SEAL	FILTER	PORT A NPT	PORT B NPT	
39531	Emergency (Red)	Aluminum	Blk Rubber	No	3/8"	1/4"	----
39530	Service (Blue)	Aluminum	Blk Rubber	No	3/8"	1/4"	----

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

AIR
TRUCK AND TRAILER

GLADHAND GRIPS



1/2" NPTF.

- Comes with hardware and sealant
- Color-coded red and blue for easy air line identification - clamshell
- Handles are heat, oil and UV-resistant.
- Meet SAE J318

PART #	DESCRIPTION	
39535	Poly grip hardware	----

ALUMINUM GLADHAND GRIPS



- 1/2" NPTF
- Each pack contains (1) red and (1) blue - clamshell
- One piece design
- No screws or plastic parts
- Easy to install
- Class II anodized coating provides greater corrosion resistance

PART #	DESCRIPTION	
39537	Sure grip	----

GLADHAND PACIFIER SEAL



- Seals Gladhand from moisture, dirt and debris

PART #	DESCRIPTION	
39566	Gladhand pacifier	----

GLADHAND SEALS

Seal Options:

- Rubber
- Polyurethane
- With screen filter
- Double lip
- Filter screen only



PART #	DESCRIPTION	
39541	Blue, Polyurethane	----
39542	Red, Polyurethane	----
39543	Black, Polyurethane	----
39556	Blue with a screen filter Polyurethane	----
39557	Red with a screen filter Polyurethane	----
39558	Black with a screen filter Polyurethane	----
39550	Blue Double lip, Polyurethane	----
39551	Red Double Lips, Polyurethane	----
39552	Double Lip, Polyurethane	----
39544	Grey, Closed Style, Polyurethane	----
39560	Filter, Screen, Gladhand	----
39559	Filter, Screen, Gladhand	----

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DUMMY GLADHAND COUPLING KIT

- 6 1/2" coupling length

PART #	CONNECTION	VENT	MATERIAL	
39563	Chain	Yes	Steel Yellow Zinc plated	----
39564	Chain	No	Steel Yellow Zinc plated	----
39565	Cable	N/A	Aluminum	----

39565

NYLON GLADHAND AND PLUG HOLDER

- Stores Gladhand and electrical hook ups at a 45° angle.
- Can accept heavy ABS plug
- Standard mounting holes to install on back of cab.
- Glass-filled nylon, non-corrosive construction.



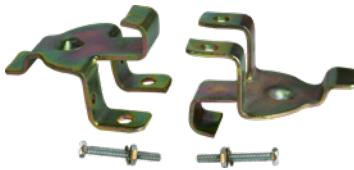
39574

39575

PART #	DESCRIPTION	
39574	1 plug slot	----
39575	2 plug slot	----

GLADHAND HOLDER KIT

- Steel - Zinc Yellow Dichromate
- Holds gladhands when disconnected



PART #	DESCRIPTION	
39573	Holder Kit	----
39572	Bracket only	----

GLADHAND LOCK

- Red molded plastic
- Prevents unwanted connections with trailers
- Protects idle units
- Universal for Aluminum and Iron Gladhands
- Supplied with 2-keys



PART #	DESCRIPTION	
39570	Gladhand Lock w/ 2 keys	----

*** Not an Anti theft device**

KING PIN LOCK-ANTI HOOK UP

- Cast, Zinc plated
- Anti-tractor, trailer hook-up
- Supplied with 2 keys



PART #	DESCRIPTION	
39860	King Pin Lock w/ 2 keys	----

AIR

TRUCK AND TRAILER

AIR CYLINDER

- 300 series stainless steel cylinder shafts provide excellent corrosion resistance and extended cycle life -cylinders tested to over 500,000 cycles.
- Lightweight, corrosion resistant aluminum tube with die cast aluminum end caps.
- Rear clevis cast as integral part of the rear cover for improved durability and mounting integrity.
- Double acting, Emralon-coated piston cup assures smooth long lasting operation even in cold weather conditions to (- 40°F).
- Front end cap assembly includes pressure seal, dirt seal and oil impregnated bronze bushing.
- Cylinder tube imprinted with part number and date code for quick identification.
- All cylinders are factory pressure and leak tested prior to shipping.
- Front Cover Kit-Includes front cover with bushing and seals installed and two cylinder gaskets.
- Rear Cover Kit-Includes rear cover with two cylinder gaskets.
- Piston Cup Kit-Includes piston cup, lock nut and two cylinder gaskets.
- Shaft Kit-Includes shaft, lock nut and two cylinder gaskets.

PART #	SIZE	STROKE	RETRACTED	EXTENDED	TYPE	
39672	2 1/2"	4.0"	9.89"	13.89"	push/pull	----
39673	2 1/2"	6.0"	11.89"	17.89"	push/pull	----
39674	2 1/2"	8.0"	13.89"	21.89"	push/pull	----
39675	2 1/2"	6.0"	13.75"	19.75"	Spring return	----
39676	3 1/2"	8.0"	15.60"	24.28"	push/pull	----
39677	3 1/2"	10.0"	16.92"	26.95"	push/pull	----



SEE WEBSITE TO DOWNLOAD YOUR MOST UPDATED PRICING

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TAILGATE AIR CYLINDERS

- Die cast aluminum with mount hole for 1/2" pin and 1/4" NPT port
- Molded piston cup
- Stainless steel piston rod with 5/8" – 18 thread
- 10 PSI – 120 PSI
- 10 psi min-120 psi max



PART #	DIA.	STROKE	LENGTH	TYPE	
39655	2-1/2"	4.0"	13.37	Push/Pull	----
39656	2-1/2"	6.0"	17.37	Push/Pull	----
39657	2-1/2"	8.0"	21.37	Push/Pull	----
39658	2-1/2"	4.0"	14.71	Spring Ret	----
39659	2-1/2"	6.0"	19.75	Spring Ret	----
39660	3-1/2"	6.0"	20.23	Push/Pull	----
39661	3-1/2"	8.0"	24.23	Push/Pull	----
39662	3-1/2"	8.0"	26.98	Push/Pull	----
39663	3-1/2"	10.0"	28.98	Push/Pull	----



TAILGATE AIR CYLINDERS

- Machined aluminum, 5/8" diameter, stainless steel shaft with 5/8" - 18 threads, "O" rings and a UHMW polyethylene wear band
- Direct replacements to Haldex and MGM
- Standard operating pressure 100 psi
- 90psi min to 150 psi max

PART #	DIA.	STROKE	BRACKET	TYPE	
39665	6"	3"	Yes	Spring Ret	----
39667	6"	4.38"	No	Spring Ret	----



FIFTH WHEEL AIR CYLINDER

- 1/4" FPT port cast aluminum front and rear
- 2-1/2" Bore
- 6-3/4" stroke
- Front and rear mounting hole for 17/32" clevis,
- 100 psi
- Gold anodized tube for corrosion resistance

PART #	DESCRIPTION	
39669	Fifth Wheel Air Cylinder	----

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AIR TANK DRAIN PULL VALVE



PART #	SIZE	DESCRIPTION	
39595	1/4" male	5ft nylon coated pull cable	----
39596	1/4" male	4ft nylon coated pull cable	----
39597	1/4" male	3ft nylon coated pull cable	----
39600	1/4" male	Air valve only	----

AIR TANK CHECK VALVE

- Single check valves allow air to pass from a single source to its destination, and prevent air travel in the opposite direction.



PART #	MALE X FEMALE	
39604	1/4"	----
39605	3/8"	----
39606	1/2"	----

D-2 STYLE AIR BRAKE GOVERNOR

- Opening and closing pressures of 100 to 120 psi
- High temperature O-ring construction
- Gasket and plugs included
- Replaces Bendix 275491 & Midland KN18530



PART #	THREAD	DESCRIPTION	
39592	6-1/8" NPT	Air Brake Governors D-2 style	----

IN-LINE QUICK RELEASE VALVE

- Quick release for the air brake system
- 3/8" female exhaust port
- 2-3/8" female delivery port
- Cracking pressure: 1 PSI
- Helps meet the FMVSS -121 requirement for timing



PART #	DESCRIPTION	
39610*	3/8" NPT In-Line quick release valve	----
39611**	1/2" NPT In-Line quick release valve	----

* Replaces Bendix 229859, 288351 & Midland KN32005

** Replaces Bendix 229860 & Midland KN32011

R-12 RELAY VALVE

- 1/4" Relay Valve with multiple delivery ports
- Replaces Bendix 102166, 102626, 103009



PART #	SUPPLY PORT	DELIVERY PORT	DESCRIPTION	
39613	1/2" NPT	4, 1/2"NPT	4 psi no Bracket	----
39614	1/2" NPT	4, 1/2"NPT	4 psi Relay Valve	----
39615	3/4" NPT	2, 1/2" NPT	4 psi Relay Valve	----

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

AIR

TRUCK AND TRAILER



R-14 RELAY VALVE

- 1/4" Relay Valve with two delivery and supply ports
- Replaces Bendix 103010

PART #	SUPPLY PORT	DELIVERY PORT	DESCRIPTION	
39616	2-3/4"NPT	2-1/2"NPT	4 psi Relay Valve	----



THREE WAY SOLENOID

- Operates a minimum GF 50,000 cycles
- Inlet port normally closed
- Must be mounted vertically with the air inlet port facing up
- 1/4" female NPT ports
- 12 Volts
- 100-120 psi operating pressure
- Attached mounting bracket with two 9/32" diameter mounting holes on 2-1/2" centers

PART #	SUPPLY PORT	DESCRIPTION	
39684	2, 1/4" FPT	Three way Solenoid	----



UNIVERSAL SOLENOID

- Operates a minimum of 50,000 cycles.
- 125 amps at 12 volts.
- Continuous voltage.
- One on/off circuit
- 5/16 inch side studs, No. 10 top stud(s).
- 2 1/8 on Center
- 5/16 x 19/32
- Hardware included.
- Normally open

PART #	DESCRIPTION	
39687	4 stud Solenoid	---
39688	3 stud Solenoid	---



AIR SOLENOID VALVE

- Operates a minimum of 50,000 cycles.
- 100 psi max pressure.
- 1/4" Thread
- 10 Watts, 12 VDC
- Replaces Neway 90054075

PART #	DESCRIPTION	
39689	12V Closed	---
39690	12V Open	---

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TRUCK & TRAILER

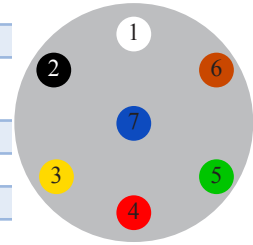
coiled cable

SEVEN-WAY COILED CABLE ASSEMBLIES



- ABS assemblies are heavy duty to power trailers
- HD Green gives clear ABS identification
- Resists abrasion, great coil retention
- Heavy duty plugs with spring guards
- ABS Cable meets SAE J2394
- Operating temperature range of -55° to +185°F

PIN LOCATION	COLOR CODE	GAUGE	CIRCUIT
1	White	8	Ground
2	Black	12	Clearance, side and ID lamps
3	Yellow	12	Left turn and Hazard
4	Red	10	Stop lamp and Anti-lock
5	Green	12	Right turn and Hazard
6	Brown	12	Tail and Plate lamp



ABS

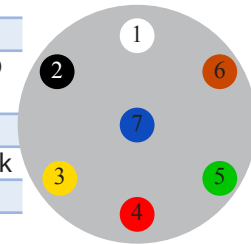
PART #	LENGTH	DESCRIPTION	
39736	12'	Coiled Electrical Cord, ABS w/12 in lead, w/plugs, Green	----
39737	15'	Coiled Electrical Cord, ABS w/12 in lead, w/plugs, Green	----

SEVEN-WAY COILED CABLE BLACK

- This high quality, durable construction is recommended for single-trailer configurations using standard lighting on non-ABS vehicles.
- Durable black outer jacket with heavy duty zinc die cast plugs and two spring guards included.



PIN	COLOR CODE	HD GAUGE	ECO GAUGE	CIRCUIT
1	White	10	12	Ground
2	Black	12	14	Clearance, side and ID lamps
3	Yellow	12	14	Left turn and Hazard
4	Red	12	14	Stop lamp and Anti-lock
5	Green	12	14	Right turn and Hazard
6	Brown	12	14	Tail and Plate lamp
7	Blue	12	14	ABS Power Aux



STANDARD - HEAVY DUTY

PART #	LENGTH	DESCRIPTION	
39738	12'	Coiled Electrical Cord, w/12 in lead, w/plugs, Black	----
39739	15'	Coiled Electrical Cord, w/15 in lead, w/plugs, Black	----

STANDARD - ECONOMY

PART #	LENGTH	DESCRIPTION	
39740	12'	Coiled Electrical Cord, w/12 in lead, w/plugs, Black	----
39741	15'	Coiled Electrical Cord, w/12 in lead, w/plugs, Black	----

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



SIX WAY COILED ELECTRIC CABLE ASSEMBLY



- 6', 8', 12' Length
- Includes 2 Thermoseal 6-way plugs
- For light duty towing applications such as boats and utility trailers
- Plugs are molded for moisture and corrosion resistance
- 4/14 Gauge cable
- Flexible from -55°F to 150°F (-66°C to 66°C)

PART #	DESCRIPTION	
39752	6ft, 14awg w/12" Lead at 2 ends	----
39753	8 ft, 14awg w/12" Lead at 2 ends	----
39754	12ft,14awg w/12" Lead at 2 ends	----

FOUR WAY COILED ELECTRIC CABLE ASSEMBLY



- 4/14 Gauge cable
- 12' & 15' length
- Includes 2 Thermoseal 4-way plugs
- For light duty towing applications such as boats and utility trailers
- Plugs are molded for moisture and corrosion resistance
- Flexible from -55°F to 150°F (-66°C to 66°C)

PART #	DESCRIPTION	
39748	12' with 12" Lead, both ends 4/14awg	----
39749	15' with 12" Lead, both ends 4/14awg	----

DUEL POLE COILED ELECTRIC CABLE ASSEMBLY



- Black Jacket
- 12' & 15' length
- 200 Amp at 12 VDC.
- Zinc die cast plugs.
- 4 gauge cable.

PART #	DESCRIPTION	
39744	12' Coil With 12" Lead at 2 ends 4awg	----
39745	15' Coil With 12" Lead at 2 ends 4awg	----

SINGLE POLE COILED ELECTRIC CABLE ASSEMBLY



- Black Jacket
- 12' & 15' length
- For applications that require direct electrical power to trailer lift gates.
- Rated at 265 amps on/off service (30 seconds on/50 seconds off).
- Zinc die cast plugs with spring guards included.
- 4 gauge cable.

PART #	DESCRIPTION	
39742	12' Coil With 12" Lead both ends 4awg	----
39743	15' Coil With 12" Lead both ends 4awg	----

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

ELECTRICAL
TRUCK AND TRAILER

7 WAY PLUGS AND SOCKETS



39758



39757



39772



- Heavy-duty, nickel-plated zinc die cast housings
- Brass terminal pins for maximum current carrying ability
- Field repairable with standard tools
- Fully interchangeable with other SAE-type, 7-way connectors
- ATA marked wire terminals.
- Internal clamp holds cable securely in place.
- Standard seven-way plugs meet ATA and SAE J560 requirements
- ISO plugs meet ISO 3731:1997 requirements.
- ISO socket prevents connections with Non-ISO plugs - Used in tractor/trailer systems
- ISO color-coded yellow, non-corrosive reinforced nylon housing.

PLUGS

PART #	DESCRIPTION	
39757	7-Way Single Grip Plug w/Spring Guard	----
39758	7-Way Single Grip Plug NO Spring.	----
39772	7-Way Double Grip Plug w/Spring.	----
39773	7-Way Double Grip Plug NO Spring Guard	----
39788	7-way ISO plug	----

SOCKETS

PART #	DESCRIPTION	
39774	Solid Pin 7-Way Metal Socket	----
39775	Split Pin 7-Way Metal Socket	----
39789	7-way, ISO socket	----

7 WAY DOUBLE GRIP PLUG

- T-Grip weather guard
- Plastic grip

PART #	DESCRIPTION	
39818	7-Way Double Grip Plug, Plastic	----

6 AND 7 WAY ADAPTER

PART #	DESCRIPTION	
39786	Seven way plug to Six Way Socket Adapter	----
39787	Six way plug to Seven Way socket Adapter	----

RV 7-WAY PLUG

- Primarily used in RV applications.
- Constructed of molded PVC for impact resistance
- Blade Style Pin

PART #	DESCRIPTION	
39819	7-way Plastic plug	----

RV 7-WAY SOCKET

- RV Screw-type socket
- 6-24 VDC.
- Mounting 2-1/4" inch on center .
- Constructed of molded PVC

PART #	DESCRIPTION	
39820	7-way socket	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov





6 - WAY PLUGS AND SOCKETS

PART #	DESCRIPTION	
39782	6-Way Double Grip Metal Plug w/Spring Guard.	----
39783	6-Way Metal Socket.	----

4 WAY PLUGS AND SOCKETS

- Heavy-duty zinc die cast housings on plugs and sockets.
- Plug locking system works with socket door to ensure proper hookup and prevent unintentional disconnections.
- Spring guard supports and protects cable.



4 - WAY

PART #	DESCRIPTION	
39778	4-Way Double Grip Metal Plug w/Spring Guard.	----
39779	4-Way Metal Socket.	----

2 POLE PLUGS AND SOCKETS

- 200 amp 4 gauge wire capacity.
- Heavy-duty zinc die cast housing.
- Internal ground.
- Spring guard supports and protects cable.



PART #	DESCRIPTION	
39768	2 Pole Double Grip Metal Plug w/Spring Guard.	----
39769	2 Pole Metal Socket	----

SINGLE POLE PLUGS AND SOCKETS

- Used to provide power to heavy draw auxiliary trailer equipment.
- Heavy-duty zinc die cast housings.
- Power and ground terminals hold up to 1/0 gauge wire.



PART #	DESCRIPTION	
39764	1-Way Double Grip Plug w/Spring Guard.	----
39765	1-Way Double Grip Plug w/Spring Guard and Ground Kit	----
39766	1-Way Metal Socket	----

GROUND KIT



PART #	DESCRIPTION	
39809	Ground Kit (Bolt, Nut and Wire Lug) for 1-Way Plug or Socket	----

PROTECTOR BOOT FOR PLUG

- Protective rubber boot seals out moisture and contaminants



PART #	DESCRIPTION	
39807	Protector Boot	----

WARNING: This product can expose you to chemicals, including Nickel, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

ELECTRICAL

TRUCK AND TRAILER

7 WAY SOCKET WITH CIRCUIT BREAKER



- Non-corrosive, reinforced nylon housing for added durability.
- Designed for No. 8 ring terminals.
- ATA color-coded contacts.
- Solid brass split pins are zinc-plated for corrosion resistance.
- Each socket includes automatic reset circuit breakers with positive snap action to eliminate arcing (unless otherwise noted).
- Mounting holes are 4 1/2 inch on center and include steel bushings for added housing protection.
- Adhesive-backed mounting gasket included.
- Circuit breaker sockets meet SAE J560 requirements.

PART #	DESCRIPTION	
39792	No circuit breakers	----
39793	15amp Plastic with circuit breakers	----
39794	20amp Plastic with circuit breakers	----
39795	30amp Plastic with circuit breakers	----



7 WAY CIRCUIT CHASER

- Instantly finds short or faulty circuits
- Portable

PART #	DESCRIPTION	
39805	7 way circuit	----

CIRCUIT BREAKERS - PLASTIC

- Colored Battery molded Stud
- 12 Volt
- Meets SAE j553 requirements
- Nuts included



PART #	DESCRIPTION	
39800	15 AMP	----
39801	20 AMP	----
39802	25 AMP	----
39803	30 AMP	----

NOSE BOX - DEEP

- Zinc - extra deep



PART #	DESCRIPTION	
39814	Deep Nose Box	----

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



BATTERY GROUND STRAP



- 4 gauge wire.
- Molded zinc-plated steel lugs and tin-plated copper stranding.
- 7/16 inch diameter bolt hole.
- 12" Long

PART #	DESCRIPTION	
39712	12", 4 Gauge ground strap	----

STAINLESS STEEL BATTERY NUT



PART #	TYPE	
39713	3/8"	----

RUBBER GROMMET

- Black Rubber



PART #	ID	OD	
95450	5/16"	9/16"	----
95451	5/8"	1 1/4"	----
95452	3/4"	1 3/4"	----



USE OUR APP WITH YOUR FREE BIN LABELS TO MANAGE YOUR CUSTOMERS INVENTORY MORE EFFICIENTLY

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ACCESSORIES

TRUCK AND TRAILER

ACCESSORIES**CABLE TIE STRAPS - NYLON**

- Used to secure and bundle
- CSA Certified
- RoHs Compliant
- UV or Standard

**STANDARD**

PART #	LENGTH	STRENGTH	PACKAGE QTY	
95601	7 1/2"	50lb	100	----
95602	11"	50 lb	100	----
95603	14.5"	50 lb	100	----
95604	24"	175 lb	50	----
95605	36"	175lb	50	----
95606	48"	175 lb	50	----

UV BLACK

PART #	LENGTH	STRENGTH	PACKAGE QTY	
95610	7 1/2"	50lb	100	----
95611	14"	50 lb	100	----
95612	24"	175lb	50	----
95613	36"	175lb	50	----



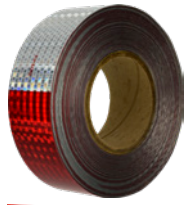
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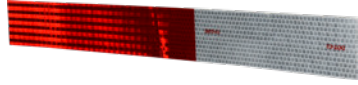


ACCESSORIES

TRUCK AND TRAILER



95620



95625



95627



95628

CONSPICUITY TAPE

Tape is designed for trucks, trailers, and other vehicles for easy nighttime vehicle recognition and increased road safety. It is a high quality, durable microprismatic retroreflective material with a pressure sensitive adhesive. The solid construction does not require edge sealing. Conspicuity tape provides superior reflectivity and may help reduce accidents.

- DOT -C2 Certified
- Meets or exceeds NHTSA, FMVSS 108 & ASTM D4956
- Meets Canada TSD 108
- 10 year durability

PART #	DESCRIPTION	APP. WT.	
95620	2" x 150' Roll of 11" Red / 7" White	0.32	----
95621	2" x 150' Roll of 6" Red / 6" White	0.32	----
95622	2" x 150' Roll of solid white	0.32	----
95623	2" x 18", kiss cut strip, white	0.03	----
95624	2" x 18" kiss cut strip of 11" Red / 7" White	0.03	----

- Meets or exceeds ANSI/SAE S279, ANSI/SAE S276 & ASTM D-4956
- 7 year durability

PART #	DESCRIPTION	APP. WT.	
95625	1" X 150' Roll of solid yellow	0.17	----
95626	2" X 150' Roll of solid yellow	0.32	----
95627	3" round all plastic reflector, Red	0.06	----
95628	3 3/4" x 6 1/2" American flag, type IV HIP	0.02	----

TARP STRAPS

- Heavy Duty EPDM tarp straps
- Longer lasting than rubber
- Greater stretch length
- Ozone and weather resilient
- Made in the USA



PART #	STRAP LENGTH	MATERIAL	DESCRIPTION	QTY	
990790	10"	EPDM	Tarp strap with S hook	50	----
990791	15"	EPDM	Tarp strap with S hook	50	----
990792	21"	EPDM	Tarp strap with S hook	50	----
990793	31"	EPDM	Tarp strap with S hook	50	----
990794	41"	EPDM	Tarp strap with S hook	50	----

NYLON DOT AIR BRAKE TUBING

TRUCK AND TRAILER



- Air Brake Tubing available from inventory in a large variety of colors and sizes
- Superior cold weather flexibility and abrasion resistance
- UV and ozone resistant nylon
- Meets or exceeds SAEJ844 (Type A - non-reinforced & Type B - reinforced)
- Meets or exceeds DOT requirements for use with compression fittings (NOTE: SAE does not recognize 1/8", 5/32" or 3/16" O.D. tubing for use with air brake systems)
- Air Brake Tubing identified per SAE J844 & FMVSS No. 106 Brake Hoses, 49 CFR 571.106
- Conforms to our own rigorous qualification and inspection testing which exceeds SAE and DOT requirements
- Designed to operate at up to 150 psi in air brake systems
- Resistant to attack by gasoline, diesel fuel and commonly used road and cleaning chemicals
- Air Brake Tubing available on bulk spools or by packages
- Operating range: -40° - 200°F - Not made for fuel

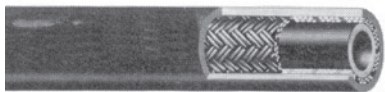
PART NUMBER	COLOR	LENGTH	NOMINAL O.D.	NOMINAL WALL	
38950B2	Black	2000'	1/8"	0.023"	----
38950	Black	100'	1/8"	0.023"	----
3895BA	Black	50'	1/8"	0.023"	----
38951B1	Black	1000'	5/32"	0.032"	----
38951	Black	100'	5/32"	0.032"	----
38951BA	Black	50'	5/32"	0.032"	----
38953B1	Black	1000'	3/16"	0.035"	----
38953	Black	100'	3/16"	0.035"	----
38953BA	Black	50'	3/16"	0.035"	----
389523	Black	1000'	1/4"	0.040"	----
389522	Black	500'	1/4"	0.040"	----
38952	Black	100'	1/4"	0.040"	----
38952BA	Black	50'	1/4"	0.040"	----
38952U1	Blue	1000'	1/4"	0.040"	----
38952U	Blue	100'	1/4"	0.040"	----
38952UA	Blue	50'	1/4"	0.040"	----
38952O	Orange	100'	1/4"	0.040"	----
38952OA	Orange	50'	1/4"	0.040"	----
38952G1	Green	1000'	1/4"	0.040"	----
38952G	Green	100'	1/4"	0.040"	----
38952GA	Green	50'	1/4"	0.040"	----
38952R1	Red	1000'	1/4"	0.040"	----
38952R	Red	100'	1/4"	0.040"	----
38952RA	Red	50'	1/4"	0.040"	----
38952Y1	Yellow	1000'	1/4"	0.040"	----
38952Y	Yellow	100'	1/4"	0.040"	----
38952YA	Yellow	50'	1/4"	0.040"	----
38954B5	Black	500'	5/16"	0.040"	----
38954	Black	100'	5/16"	0.040"	----
38954BA	Black	50'	5/16"	0.040"	----
38960B5	Black	500'	3/8"	0.062"	----
38960	Black	100'	3/8"	0.062"	----
38960BA	Black	50'	3/8"	0.062"	----
38960U5	Blue	500'	3/8"	0.062"	----
38960U	Blue	100'	3/8"	0.062"	----
38960UA	Blue	50'	3/8"	0.062"	----
38960O5	Orange	500'	3/8"	0.062"	----
38960O	Orange	100'	3/8"	0.062"	----
38960OA	Orange	50'	3/8"	0.062"	----
38960G5	Green	500'	3/8"	0.062"	----
38960G	Green	100'	3/8"	0.062"	----
38960GA	Green	50'	3/8"	0.062"	----
38960R5	Red	500'	3/8"	0.062"	----
38960R	Red	100'	3/8"	0.062"	----

PART NUMBER	COLOR	LENGTH	NOMINAL O.D.	NOMINAL WALL	
38960RA	Red	50'	3/8"	0.062"	----
38960Y5	Yellow	500'	3/8"	0.062"	----
38960Y	Yellow	100'	3/8"	0.062"	----
38960YA	Yellow	50'	3/8"	0.062"	----
38965B5	Black	500'	1/2"	0.062"	----
38965	Black	100'	1/2"	0.062"	----
38965BA	Black	50'	1/2"	0.062"	----
38965U5	Blue	500'	1/2"	0.062"	----
38965U	Blue	100'	1/2"	0.062"	----
38965UA	Blue	50'	1/2"	0.062"	----
38965O5	Orange	500'	1/2"	0.062"	----
38965O	Orange	100'	1/2"	0.062"	----
38965OA	Orange	50'	1/2"	0.062"	----
38965G5	Green	500'	1/2"	0.062"	----
38965G	Green	100'	1/2"	0.062"	----
38965GA	Green	50'	1/2"	0.062"	----
38965R5	Red	500'	1/2"	0.062"	----
38965R	Red	100'	1/2"	0.062"	----
38965RA	Red	50'	1/2"	0.062"	----
38965Y5	Yellow	500'	1/2"	0.062"	----
38965Y	Yellow	100'	1/2"	0.062"	----
38965YA	Yellow	50'	1/2"	0.062"	----
38970BC	Black	250'	5/8"	0.092"	----
38970	Black	100'	5/8"	0.092"	----
38970BA	Black	50'	5/8"	0.092"	----
38970GC	Green	250'	5/8"	0.092"	----
38970G	Green	100'	5/8"	0.092"	----
38970GA	Green	50'	5/8"	0.092"	----
38970RC	Red	250'	5/8"	0.092"	----
38970R	Red	100'	5/8"	0.092"	----
38970RA	Red	50'	5/8"	0.092"	----
38975BC	Black	250'	3/4"	0.092"	----
38975	Black	100'	3/4"	0.092"	----
38975BA	Black	50'	3/4"	0.092"	----
38975GC	Green	250'	3/4"	0.092"	----
38975G	Green	100'	3/4"	0.092"	----
38975GA	Green	50'	3/4"	0.092"	----

FUEL LINE AND AIR BRAKE HOSE

TRUCK AND TRAILER

FUEL LINE AND VAPOR EMISSION



- SAE 30R7
- Nitrile tube w/ spiral synthetic cord, hypalon cover.
- 50 p.s.i. working pressure. 1/2 -35 PSI
- 40° F to + 257° F temperature range.
- Low pressure/ high temperature fuel for cars, light trucks, and small engines.
- Meets SAE J1402

PART #	ID	OD	LENGTH	
38920	3/16	13/32	25'	----
38926	5/16	9/16	25'	----
38923	1/4	1/2	25'	----
38927	3/8	5/8	50'	----

AIR BRAKE HOSE



- BLACK

- Spiral synthetic cord reinforcement with neoprene cover.
- 40° F to +200° F temperature range.
- Max operating pressure 255 psi
- Max burst pressure 900 psi
- Meets SAE J1402

PART #	ID	OD	LENGTH	
38910	3/8	3/4	50'	----
38915	1/2	7/8	50'	----

The Butterfly

A man found a cocoon of a butterfly.

One day a small opening appeared. He sat and watched the butterfly for several hours as it struggled to force its body through that little hole.

Until it suddenly stopped making any progress and looked like it was stuck.

So the man decided to help the butterfly. He took a pair of scissors and snipped off the remaining bit of the cocoon. The butterfly then emerged easily, although it had a swollen body and small, shriveled wings.

The man didn't think anything of it and sat there waiting for the wings to enlarge to support the butterfly. But that didn't happen. The butterfly spent the rest of its life unable to fly, crawling around with tiny wings and a swollen body.

Despite the kind heart of the man, he didn't understand that the restricting cocoon and the struggle needed by the butterfly to get itself through the small opening; were God's way of forcing fluid from the body of the butterfly into its wings. To prepare itself for flying once it was out of the cocoon.

Moral of the story:

Our struggles in life develop our strengths. Without struggles, we never grow and never get stronger, so it's important for us to tackle challenges on our own, and not be relying on help from others.

- UNKNOWN



GO ONLINE TO VIEW OPEN ORDERS, ORDER HISTORY, AND TRACKING INFORMATION ON ALL SHIPMENTS

HYDRAULIC ADAPTERS

HYDRAULIC ADAPTERS

HYDRAULIC ADAPTERS & ACCESSORIES

STEEL ADAPTERS

Technical information**Profile size chart**

Steel Pipe Swivels
 37° JIC Flare Straights
 37° JIC Flare Shapes
 Bulkhead Adapters
 Steel Pipe Fittings
 O-Ring Adapters Straight
 JIC Swivels
 O-Ring Adapters
 O-Ring Face Seal
 BSPT/ BSPP Adapters
 Metric Adapters
 Flange Adapters
 Stainless Steel Adapters
 SS Hose Fittings

HYDRAULIC QUICK
DISCONNECTS

Thread to Connect - Wing
 ISO A Interchange
 ISO B Interchange
 Flush Face ISO
 VEP Series
 AG Interchange
 Hydraulic Jack Q/D

HYDRAULIC VALVES &
ACCESSORIES

Flow Control Valve
 Variable Flow Control
 Air Breathers

PLATING SPECIFICATION

Midland's standard Trivalent, Cr⁺³ plating performs at nearly double the S.A.E. corrosion resistance requirement. The plating meets ASTM B633, Fe/Zn 5. The thickness is 5um-13um. This plating is silver in appearance and has been testing at 96 hours to white rust and 120 hours to red rust.

TECHNICAL INFORMATION

WORKING PRESSURE

The tables on the following pages list the recommended working pressure for a variety of hydraulic fittings made in accordance with certain industry standards. Many factors such as impulse, vibration, mechanical shock, and improper assembly may affect the integrity of the fitting connection.

Midland Industries recommends sufficient testing be conducted to ensure that performance levels will be safe and satisfactory, especially if installed in systems operating at elevated pressures or in severe conditions. Working pressure ratings are capable of a 4 to 1 minimum burst. All steel fittings meet or exceed the minimum SAE pressure ratings. Always consider application and maximum pressure requirements when selecting fittings.

METHODS FOR INSTALLING FITTINGS

There are three methods for installing a fitting:

- Torque wrench
- Flats From Wrench Resistance
- Turns From Finger Tight

For Flare and NPSM Fittings, Midland recommends the flats from wrench resistance method be used whenever possible.

The differences in material, plating, and surface finish impacts the coefficient of friction when installing or connecting fittings. To minimize these variances, Midland recommends that fitting connections are lubricated when installed. Connections that are lubricated provide a more accurate installation torque, which results in fewer leaks.

USING A TORQUE WRENCH

The torque values given in the tables on the following pages are for reference purposes only based on industry standard practice and for low carbon steel mating with steel/iron components. Actual torque values may need to be adjusted due to variances described above.

SAE recommends always making a wet (lubricated) installation or connection to reduce friction on moving parts, O-rings, and variances in material and plating. The torque values in these tables are based off SAE values using a .17 coefficient of friction as per SAE J2593. Many hydraulic leaks are a result of over-torque, which causes excessive deformation of material or exceeds the yield strength of the material, which may reduce the load or clamping force between seal contacts.

If more than one value or range is given, use the lower value first and increase only if required. Over-torquing can damage a fitting or mating component.

TECHNICAL INFORMATION

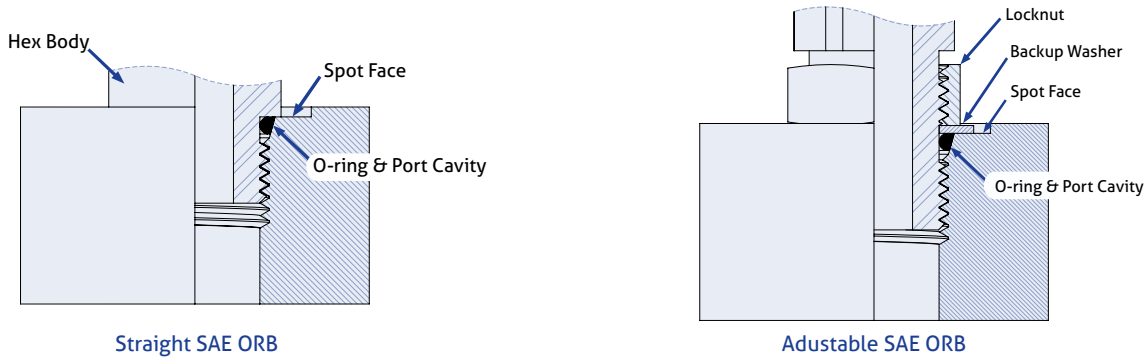
HYDRAULIC ADAPTERS

SAE O-Ring Boss Port Specifications

O-ring Boss ports (ORB) provide a seal by trapping the fitting's O-ring inside a port cavity. When a fitting is installed into the port, the O-ring is trapped between the fitting body hex or washer and port cavity.

Straight fittings include a hex, and sometimes an additional cylindrical shoulder below the hex and above the threads, to trap the O-ring in the port cavity.

Elbow and Tee fittings require a backup washer and a locknut above the O-ring on the threaded stud to permit a 360° orientation of the fitting around the port.



The following table lists the specifications for SAE O-Ring Boss Ports.

SAE O-Ring Boss Specifications									
Dash Size	Tube Size	Thread	SAE-ORB to JIC and Pipe Fittings*			SAE-ORB to ORFS Fittings**			
			Torque		Working Pressure		Torque		Working Pressure
			Adjustable & Non-Adjustable	Adjustable	Non-Adjustable	Adjustable & Non-Adjustable	Adjustable	Non-Adjustable	
			(ft-lbs) +25% -0%	(psi)	(psi)	(ft-lbs) +25% -0%	(psi)	(psi)	
02	1/8	5/16-24	6	4500	4500	-	-	-	
03	3/16	3/8-24	7	4500	4500	7	5800	9100	
04	1/4	7/16-20	13	4500	4500	15	5800	9100	
05	5/16	1/2-20	18	4500	4500	18	5800	9100	
06	3/8	9/16-18	22	3600	4500	26	5800	9100	
08	1/2	3/4-16	37	3600	4500	52	5800	9100	
10	5/8	7/8-14	44	2900	3600	74	5800	9100	
12	3/4	1-1/16-12	70	2900	3600	125	5800	5800	
14	7/8	1-3/16-12	92	2300	2900	158	5800	5800	
16	1	1-5/16-12	111	2300	2900	199	4500	5800	
20	1 1/4	1-5/8-12	147	1800	2300	210	3600	3600	
24	1 1/2	1-7/8-12	155	1800	2300	273	2900	3600	
32	2	2-1/2-12	221	1450	1800	-	-	-	

* = Light duty studs included on JIC, NPTF and NPSM fittings per SAE J1926/3 & J514
 ** = Heavy duty studs included on ORFS fittings per SAE J1926/2 & J1453

Note: Torque values are for wet torque and are allowed up to 25% the listed value according to SAE J2593.

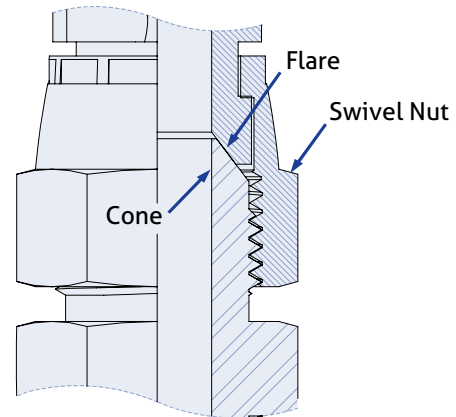
TECHNICAL INFORMATION

HYDRAULIC ADAPTERS

JIC Adapter Specifications

Male flared fittings include a conical nose with external threads for clamping.

A flared fitting or tube assembly is tightened against the cone with a swivel nut. By forcing the flare against the cone during the torquing process, the nose cone is slightly deformed and meshes to create a metal to metal seal between the flare and the cone.



The following table lists the specifications for JIC adapters.

JIC Specifications							
Dash Size	Tube Size	Thread	Working Pressure		Torque		
			Male	Female Swivel Nut	JIC Rigid	JIC Swivel	Bulkhead Locknut
			(psi)	(psi)	(FFWR)	(FFWR)	(ft-lbs) +25% -0%
02	1/8	5/16-24	5000	5000	1/4 - 1/2	2	4
03	3/16	3/8-24	5000	5000	1/4 - 1/2	2	6
04	1/4	7/16-20	5000	4500	1/4 - 1/2	2	10
05	5/16	1/2-20	5000	4000	1/4 - 1/2	2	13
06	3/8	9/16-18	5000	4000	1/4 - 1/2	2	16
08	1/2	3/4-16	4500	4000	1/4 - 1/2	2	27
10	5/8	7/8-14	3500	3000	1/4 - 1/2	1 1/2	32
12	3/4	1-1/16-12	3500	3000	1/4 - 1/2	1 1/2	52
14	7/8	1-3/16-12	3000	2500	1/4 - 1/2	1 1/2	66
16	1	1-5/16-12	3000	2500	1/4 - 1/2	1 1/2	85
20	1 1/4	1-5/8-12	2500	2000	1/4 - 1/2	1	111
24	1 1/2	1-7/8-12	2000	1500	1/4 - 1/2	1	114
32	2	2-1/2-12	1500	1125	1/4 - 1/2	1	162

Values are per SAE J514

It has been my observation that most people get ahead during the time that others waste. -Henry Ford

TECHNICAL INFORMATION

HYDRAULIC ADAPTERS

Pipe & Pipe Swivel Adapter Specifications

NPSM fittings include an inverted 60° cone inside an internally threaded swivel union nut. Male NPTF fittings that have a 30° internal chamfer that make a 60° inverted cone, will mate with NPSM swivel unions.

NOTE: THE MATING MALE THREADS MUST INCLUDE AN INSIDE CHAMFER ON THE END OF THE FITTING THAT MATES WITH THE INVERTED CONE. THREADS ARE FOR CLAMPING FORCE ONLY AND THE SEALING OCCURS ON A SMALL RADIAL SECTION BETWEEN THE MALE FITTING INTERNAL CHAMFER AND THE SWIVEL UNION INVERTED CONE.

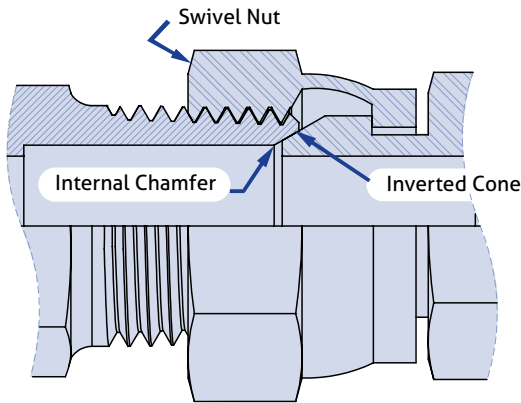


Figure 7 : NPTF & NPSM Union

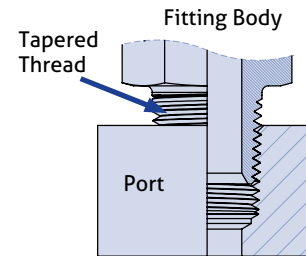


Figure 8: NPT & NPTF Assembly

NPT and NPTF pipe threads seal by wedging the tapered threads through deformation into each other. Both of these threads require thread sealants to complete a seal.

The following table lists the specifications for NPT, NPTF, and NPSM Pipe adapters.

NPT, NPTF, and NPSM Pipe Specifications						
Dash Size	Thread Size	Major OD* (inch)	Working Pressure		Torque	
			NPT, NPTF Male and Female	NPSM Female Swivel Nut	NPT, NPTF	NPSM Swivel Union
			(psi)	(psi)	(TFFT)	(FFWR)
02	1/8-27	.405	5000	5000	2-3	2
04	1/4-18	.540	4000	5000	2-3	2
06	3/8-18	.675	3000	4000	2-3	2
08	1/2-14	.84	3000	3500	2-3	2
12	3/4-14	1.050	2500	2250	2-3	2
16	1-11 1/2	1.315	2000	2000	1 1/2 - 2 1/2	1 1/2
20	1 1/4-11 1/2	1.660	1150	1625	1 1/2 - 2 1/2	1 1/2
24	1 1/2-11 1/2	1.900	1000	1250	1 1/2 - 2 1/2	1 1/2
32	2-11 1/2	2.375	1000	1125	1 1/2 - 2 1/2	1 1/2

Values are per SAE J514 & J2593

Table 3: NPT, NPTF, and NPSM Pipe Specifications

Folks who never do any more than they are paid for, never get paid for any more than they do.

-Elebert Hubbard

TECHNICAL INFORMATION

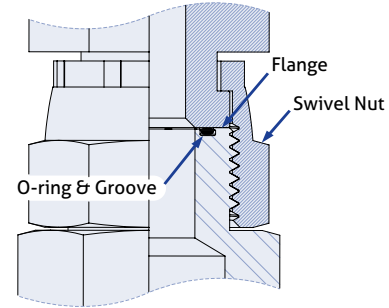
HYDRAULIC ADAPTERS

O-ring Face Seal Adapter Specifications

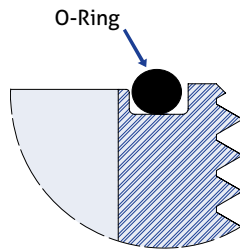
O-ring face seal fittings include a precision groove in the face of the male fitting. Sealing occurs when an O-ring is trapped in the groove by a smooth flat flange that is clamped against the face with a nut or nut and sleeve. The flat flange may be formed or brazed onto the end of a tube, or is machined on a fitting.

There are two SAE groove types:

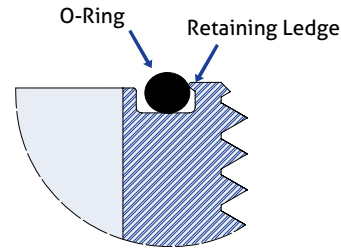
- Type A: The original style A O-ring has no retaining ledge.
- Type B: The Type B groove has a retaining ledge (half dovetail) that improves O-ring retention. The Type B style is more commonly found and is a design improvement over the Type A.



ORFS Fitting Assembly



Detail View of Cross Section of Groove Type A



View of Groove Type B

The following table lists the specifications for O-ring Face Seal adapters.

ORFS Specifications								
Dash Size	Tube Size	Thread Size	Working Pressure		Torque			
			Male	Female Swivel Nut	Male & Female	Bulkhead Locknut	Tube Nuts	Swivel Nuts
			(psi)	(psi)	(ft-lbs) +25% -0%	(ft-lbs) +25% -0%		
04	1/4	9/16-18	6000	6000	18	16	1/4-1/2	1/2-3/4
06	3/8	11/16-16	6000	6000	29	22	1/4-1/2	1/2-3/4
08	1/2	13/16-16	6000	6000	41	29	1/4-1/2	1/2-3/4
10	5/8	1-14	6000	6000	44	44	1/4-1/2	1/2-3/4
12	3/4	1-3/16-12	6000	6000	66	66	1/4-1/2	1/3-1/2
16	1	1-7/16-12	6000	5000	92	92	1/4-1/2	1/3-1/2
20	1 1/4	1-11/16-12	4000	4000	125	111	1/4-1/2	1/3-1/2
24	1 1/2	2-12	4000	3000	147	125	1/4-1/2	1/3-1/2

Note: Values are per SAE J2593 & J1453

Torque values are for wet installation of steel components. Reduce torque values for softer material components.

Table 4 : ORFS Specifications

TECHNICAL INFORMATION

HYDRAULIC ADAPTERS

BSPT, BSPP and Metric Adapter Specifications

BSPT and Metric tapered threads install and work in the same manner as NPT and NPTF.

Male BSPP fittings include an inverted 60° cone inside an internally threaded swivel union nut. Male BSPP fittings that have a 30° internal chamfer that make a 60° inverted cone, will mate with Female BSPP swivel unions.

NOTE: THE MATING MALE THREADS MUST INCLUDE AN INSIDE CHAMFER ON THE END OF THE FITTING THAT MATES WITH THE INVERTED CONE. THREADS ARE FOR CLAMPING FORCE ONLY AND THE SEALING OCCURS ON A SMALL RADIAL SECTION BETWEEN THE MALE FITTING INTERNAL CHAMFER AND THE SWIVEL UNION INVERTED CONE.

DIN swivel unions have a 24° inverted cone and may be installed into DIN bite-ring compression fittings. To provide enhanced performance, an O-ring is sometimes included in the cone of some DIN swivel unions.

British Standard Pipe Parallel (BSPP) and Metric Parallel threaded ports do not include a port cavity like the O-ring Boss or ISO 6149 port. Instead, an O-ring sits on top of the spot face or external surface and is surrounded by a metal retaining ring or other retaining component to trap the O-ring between the fitting hex, body, and spot face.

Elbow and Tee fittings have a locknut, backup washer, O-ring and retaining washer to permit 360° orientation around the axis of the port.

The following table lists the specifications for **BSPP & BSPT Adapters**

BSPP & BSPT Specifications				
Dash Size	BSPT & BSPP		Torque	
	THREAD SIZE	MAJOR OD* (inch)	BSPP Swivel Union	BSPT
02	1/8-28	0.383	2	2-3
04	1/4-19	0.518	2	2-3
06	3/8-19	0.656	2	2-3
08	1/2-14	0.825	2	2-3
10	5/8-14	0.929	2	2-3
12	3/4-14	1.041	2	2-3
16	1-11	1.309	1 1/2	1 1/2 - 2 1/2
20	1 1/4-11	1.650	1 1/2	1 1/2 - 2 1/2
24	1 1/2-11	1.882	1 1/2	1 1/2 - 2 1/2
32	2-11	2.347	1 1/2	1 1/2 - 2 1/2

The following table lists the specifications for **Metric Adapters**

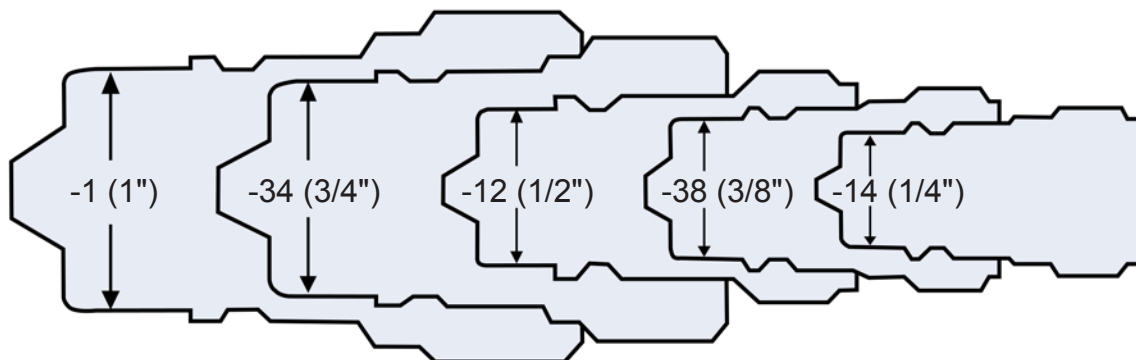
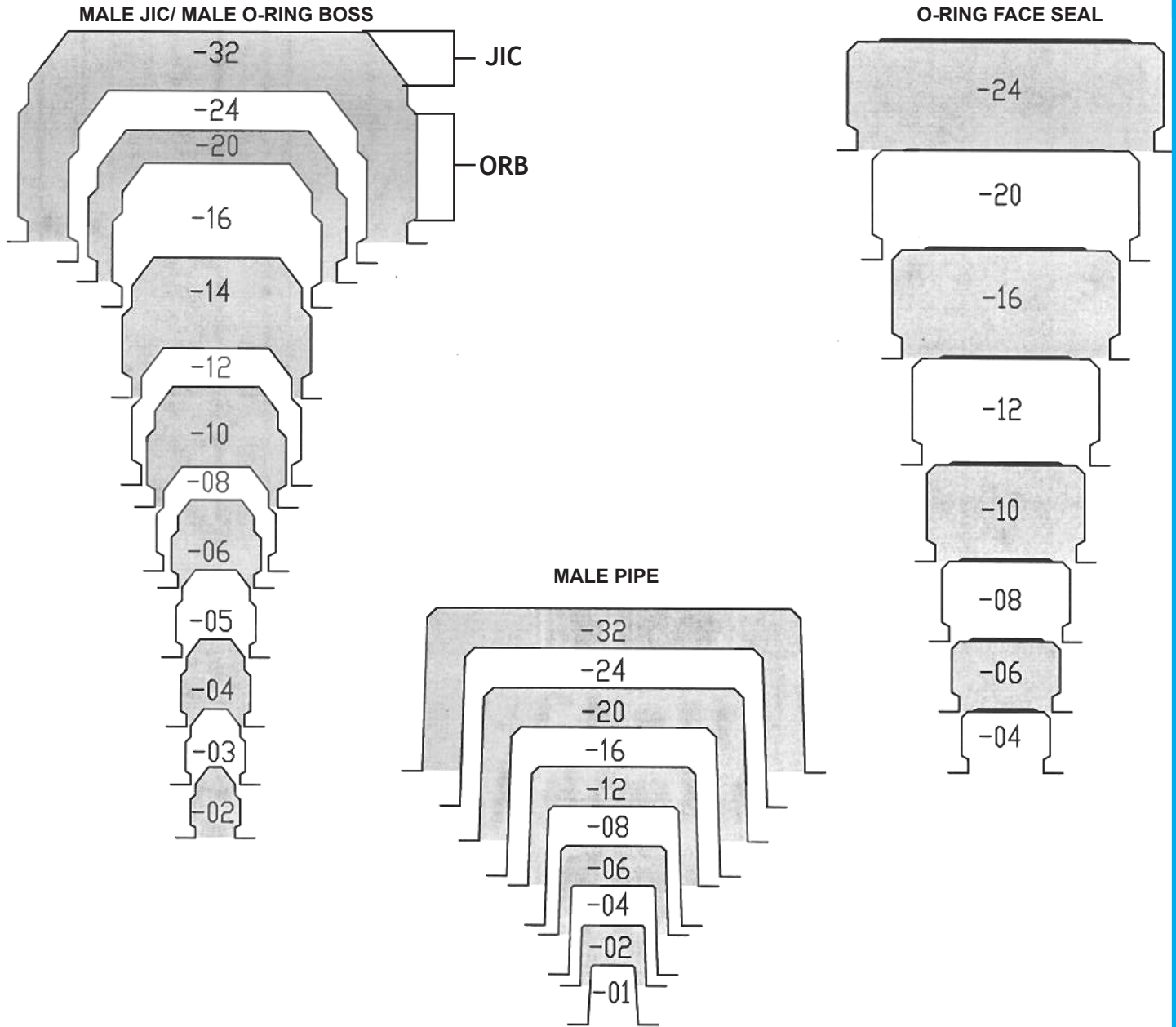
Metric DIN 3852-1 Threads	
Dash Size	THREAD SIZE (mm)
08	8 x 1.0
10	10 x 1.0
12	12 x 1.5
14	14 x 1.5
16	16 x 1.5
18	18 x 1.5
20	20 x 1.5
22	22 x 1.5
24	24 x 1.5
26	26 x 1.5
27	27 x 2.0
30	30 x 2.0
33	33 x 2.0
39	39 x 2.0
42	42 x 2.0
48	48 x 2.0
60	60 x 2.0

Values are from DIN 3852-1

TECHNICAL INFORMATION

HYDRAULIC ADAPTERS

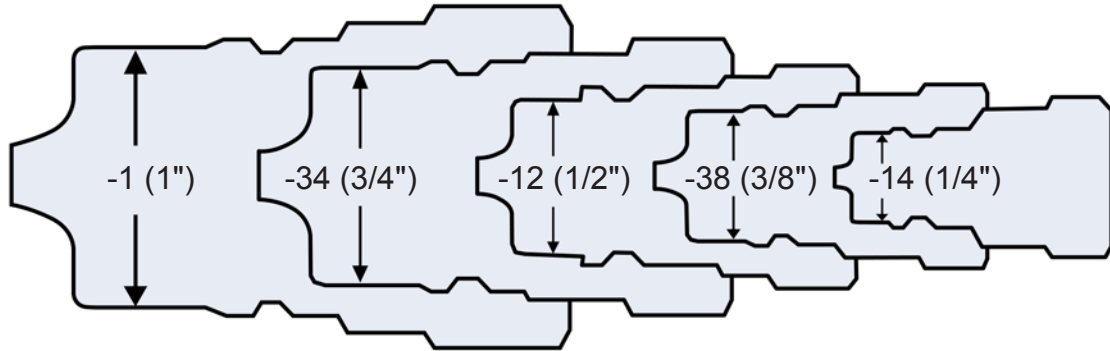
PROFILE SIZE CHART



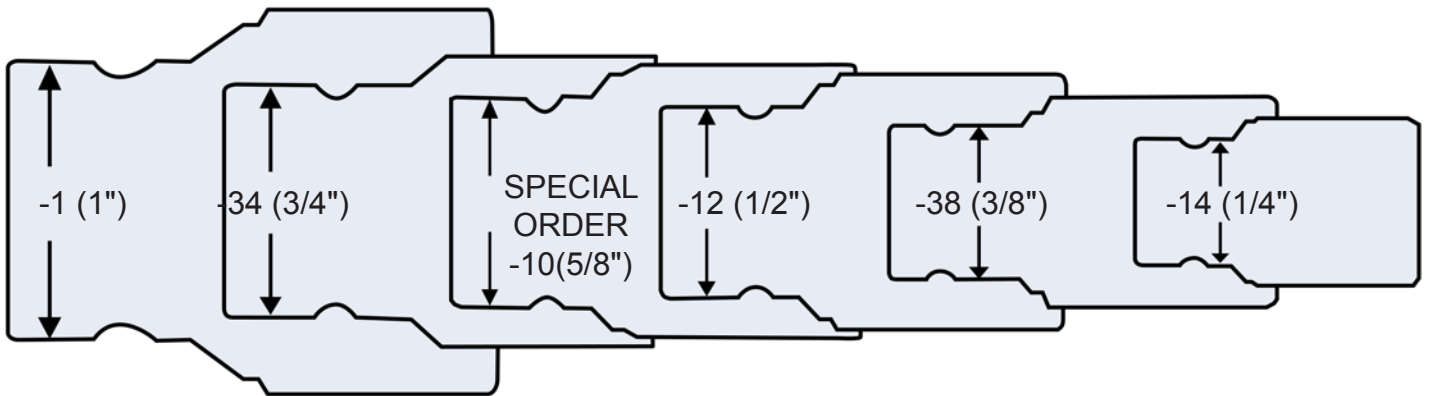
AG INTERCHANGE - NV SERIES

TECHNICAL INFORMATION

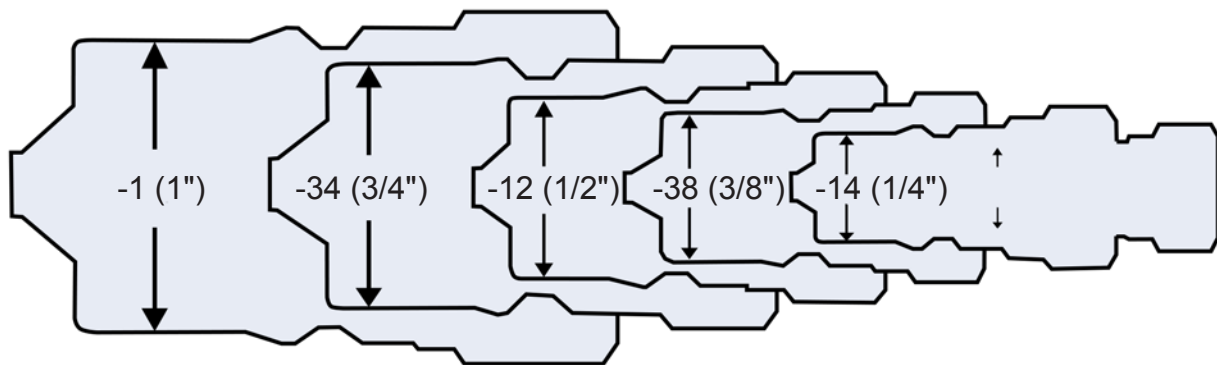
HYDRAULIC ADAPTERS



ISO 7241 - 1 - ISO A - ANV SERIES



ISO 16028 - FF SERIES



ISO 7241 - 1 ISO B - HNV SERIES

STEEL PIPE SWIVEL ADAPTERS

HYDRAULIC ADAPTERS

MALE PIPE SWIVEL ADAPTER

SAE 140130



PART #	MALE PIPE 1	FEMALE NPSM 2	
140422	1/8	1/8	----
140442	1/4	1/8	----
140444	1/4	1/4	----
140464	3/8	1/4	----
140466	3/8	3/8	----
140468	3/8	1/2	----
140484	1/2	1/4	----
140486	1/2	3/8	----
140488	1/2	1/2	----
1404812	1/2	3/4	----
1404126	3/4	3/8	----
1404128	3/4	1/2	----
14041212	3/4	3/4	----
14041216	3/4	1	----
14041612	1	3/4	----
14041616	1	1	----
14041620	1	1-1/4	----
14042024	1-1/4	1-1/2	----
14042016	1-1/4	1	----
14042020	1-1/4	1-1/4	----
14042424	1-1/2	1-1/2	----
14043232	2	2	----

1404 2045R 1210 9205R 0107

FEMALE PIPE SWIVEL ADAPTER

SAE 140131



PART #	FEMALE PIPE 1	FEMALE NPSM 2	
140522	1/8	1/8	----
140542	1/4	1/8	----
140544	1/4	1/4	----
140546	1/4	3/8	----
140564	3/8	1/4	----
140566	3/8	3/8	----
140586	1/2	3/8	----
140568	3/8	1/2	----
140584	1/2	1/4	----
140588	1/2	1/2	----
1405812	1/2	3/4	----
1405128	3/4	1/2	----
14051212	3/4	3/4	----
14051216	3/4	1	----
14051612	1	3/4	----
14051616	1	1	----
14052020	1-1/4	1-1/4	----
14052424	1-1/2	1-1/2	----
14053232	2	2	----

1405 2046R 1212 9255 C207

MALE PIPE ELBOW SWIVEL ADAPTER

SAE 140230



PART #	MALE PIPE 1	FEMALE NPSM 2	
150122	1/8	1/8	----
150124	1/8	1/4	----
150142	1/4	1/8	----
150144	1/4	1/4	----
150146	1/4	3/8	----
150148	1/4	1/2	----
150164	3/8	1/4	----
150166	3/8	3/8	----
1501612	3/8	3/4	----
150184	1/2	1/4	----
150186	1/2	3/8	----
150188	1/2	1/2	----
1501126	3/4	3/8	----
1501128	3/4	1/2	----
15011212	3/4	3/4	----
15011216	3/4	1	----
1501168	1	1/2	----
15011612	1	3/4	----
15011616	1	1	----
15012016	1-1/4	1	----
15012020	1-1/4	1-1/4	----
15013232	2	2	----

1501 2047R 1218 9405 2107

FEMALE UNION ELBOW SWIVEL ADAPTER

SAE 140231



PART #	FEMALE PIPE 1	FEMALE NPSM 2	
150222	1/8	1/8	----
150242	1/4	1/8	----
150244	1/4	1/4	----
150246	1/4	3/8	----
150264	3/8	1/4	----
150266	3/8	3/8	----
150268	3/8	1/2	----
150284	1/2	1/4	----
150286	1/2	3/8	----
150288	1/2	1/2	----
1502812	1/2	3/4	----
1502128	3/4	1/2	----
15021212	3/4	3/4	----
15021616	1	1	----
15022020	1-1/4	1-1/4	----
15022424	1-1/2	1-1/2	----

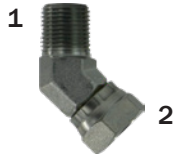
1502 2207 1216 9455R

FEMALE PIPE SWIVELS

HYDRAULIC ADAPTERS

MALE 45° PIPE ELBOW SWIVEL ADAPTER

SAE 140330



PART #	MALE PIPE 1	FEMALE NPSM 2	
150322	1/8	1/8	----
150344	1/4	1/4	----
150346	1/4	3/8	----
150364	3/8	1/4	----
150366	3/8	3/8	----
150368	3/8	1/2	----
150384	1/2	1/4	----
150386	1/2	3/8	----
150388	1/2	1/2	----
1503812	1/2	3/4	----
1503128	3/4	1/2	----
15031212	3/4	3/4	----
15031216	3/4	1	----
15031612	1	3/4	----
15031616	1	1	----
15031620	1	1-1/4	----
15032020	1-1/4	1-1/4	----

1503 2049R 3107 1214 9355R

FEMALE 45° UNION ELBOW SWIVEL ADAPTER

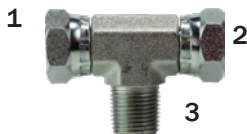
SAE 140331



PART #	FEMALE PIPE 1	FEMALE NPSM 2	
150422	1/8	1/8	----
150444	1/4	1/4	----
150466	3/8	3/8	----
150488	1/2	1/2	----
15041212	3/4	3/4	----
15041616	1	1	----

1504 2050R 1249 9385R

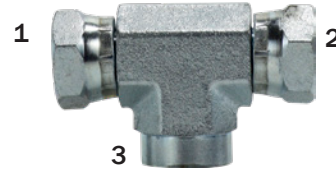
MALE SWIVEL BRANCH TEE



PART #	FEMALE NPSM 1 & 2	MALE PIPE 3	
160122	1/8	1/8	----
160144	1/4	1/4	----
160166	3/8	3/8	----
160188	1/2	1/2	----
16011212	3/4	3/4	----
16011616	1	1	----

1601 2254R 1258 9406R

FEMALE SWIVEL TEE



PART #	FEMALE NPSM 1 & 2	FEMALE PIPE 3	
160244	1/4	1/4	----
160266	3/8	3/8	----
160288	1/2	1/2	----
16021212	3/4	3/4	----
16021616	1	1	----

1602 2253R 1259 9456R

FEMALE SWIVEL UNION TEE



PART #	FEMALE NPSM 1,2 & 3	
160344	1/4	----
160366	3/8	----
160388	1/2	----
16031212	3/4	----
16031616	1	----

1603 2255 1223 9705R

STRAIGHTS STEEL JIC FLARE 37°

HYDRAULIC ADAPTERS

LONG JIC TUBE NUT

SAE 070111



PART #	TUBE O.D	JIC THREAD SIZE	
03044	1/4	7/16-20	----
03046	3/8	9/16-18	----
03048	1/2	3/4-16	----
030410	5/8	7/8-14	----
030412	3/4	1-1/16-12	----
030416	1	1-5/16-12	----

304 221000 0304 C5115

CAP

SAE 070112
MS 51532



PART #	TUBE O.D.	JIC THREAD SIZE	
0304C2	1/8	5/16-24	----
0304C3	3/16	3/8-24	----
0304C4	1/4	7/16-20	----
0304C5	5/16	1/2-20	----
0304C6	3/8	9/16-18	----
0304C8	1/2	3/4-16	----
0304C10	5/8	7/8-14	----
0304C12	3/4	1-1/16-12	----
0304C14	7/8	1-3/16-12	----
0304C16	1	1-5/16-12	----
0304C20	1-1/4	1-5/8-12	----
0304C24	1-1/2	1-7/8-12	----
0304C32	2	2-1/2-12	----

820 304 210292 FNTX 1329 C5129

JIC TUBE NUT (SLEEVE REQUIRED)

SAE 070110
MS 51531



PART #	TUBE O.D	JIC THREAD SIZE	
03182	1/8	5/16-24	----
03183	3/16	3/8-24	----
03184	1/4	7/16-20	----
03185	5/16	1/2-20	----
03186	3/8	9/16-18	----
03188	1/2	3/4-16	----
031810	5/8	7/8-14	----
031812	3/4	1-1/16-12	----
031814	7/8	1-3/16-12	----
031816	1	1-5/16-12	----
031820	1-1/4	1-5/8-12	----
031824	1-1/2	1-7/8-12	----

318 1290 BTX 1311 C5105

JIC TUBE SLEEVE

SAE 070115
MS 51533



PART #	TUBE O.D	
03192	1/8	----
03193	3/16	----
03194	1/4	----
03195	5/16	----
03196	3/8	----
03198	1/2	----
031910	5/8	----
031912	3/4	----
031914	7/8	----
031916	1	----
031920	1-1/4	----
031924	1-1/2	----
031932	2	----

319 900605 TX 1253 C5165

JIC TUBE UNION

SAE 070101
MS 51501



PART #	JIC THREAD SIZE 1	JIC THREAD SIZE 2	
240322	5/16-24	5/16-24	----
240333	3/8-24	3/8-24	----
240344	7/16-20	7/16-20	----
240355	1/2-20	1/2-20	----
240366	9/16-18	9/16-18	----
240364	9/16-18	7/16-20	----
240384	3/4-16	7/16-20	----
240388	3/4-16	3/4-16	----
240386	3/4-16	9/16-18	----
24031010	7/8-14	7/8-14	----
2403108	7/8-14	3/4-16	----
24031212	1-1/16-12	1-1/16-12	----
2403126	1-1/16-12	9/16-18	----
2403128	1-1/16-12	3/4-16	----
24031210	1-1/16-12	7/8-14	----
24031414	1-3/16-12	1-3/16-12	----
24031616	1-5/16-12	1-5/16-12	----
24031612	1-5/16-12	1-1/16-12	----
24032016	1-5/8-12	1-5/16-12	----
24032020	1-5/8-12	1-5/8-12	----
240324	1-7/8-12	1-7/8-12	----
240332	2-1/2-12	2-1/2-12	----

2403 2027 HTX 1204 C5305

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

STRAIGHTS STEEL JIC FLARE 37°

HYDRAULIC ADAPTERS

JIC MALE CONNECTORSAE 070102
MS 51500

1



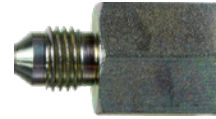
2

PART #	JIC THREAD SIZE 1	MALE PIPE THREAD 2	
240422	5/16-24	1/8	----
240432	3/8-24	1/8	----
240434	3/8-24	1/4	----
240442	7/16-20	1/8	----
240444	7/16-20	1/4	----
240446	7/16-20	3/8	----
240448	7/16-20	1/2	----
240462	9/16-18	1/8	----
240464	9/16-18	1/4	----
240466	9/16-18	3/8	----
240468	9/16-18	1/2	----
2404612	9/16-18	3/4	----
240484	3/4-16	1/4	----
240486	3/4-16	3/8	----
240488	3/4-16	1/2	----
2404812	3/4-16	3/4	----
2404816	3/4-16	1	----
2404104	7/8-14	1/4	----
2404106	7/8-14	3/8	----
2404108	7/8-14	1/2	----
24041012	7/8-14	3/4	----
2404126	1-1/16-12	3/8	----
2404128	1-1/16-12	1/2	----
24041212	1-1/16-12	3/4	----
24041216	1-1/16-12	1	----
24041612	1-5/16-12	3/4	----
24041616	1-5/16-12	1	----
24041620	1-5/16-12	1-1/4	----
24041624	1-5/16-12	1-1/2	----
24042012	1-5/8-12	3/4	----
24042016	1-5/8-12	1	----
24042020	1-5/8-12	1-1/4	----
24042024	1-5/8-12	1-1/2	----
24042416	1-7/8-12	1	----
24042420	1-7/8-12	1-1/4	----
24042424	1-7/8-12	1-1/2	----
24042432	1-7/8-12	2	----
24043224	2-1/2-12	1-1/2	----
24043232	2-1/2-12	2	----

2404 2021R FTX 1202R C5205 816

JIC FEMALE CONNECTORSAE 070103
MS 51503

1



2

PART #	JIC THREAD SIZE 1	FEMALE PIPE SIZE 2	
240522	5/16-24	1/8	----
240532	3/8-24	1/8	----
240542	7/16-20	1/8	----
240544	7/16-20	1/4	----
240546	7/16-20	3/8	----
240564	9/16-18	1/4	----
240566	9/16-18	3/8	----
240584	3/4-16	1/4	----
240586	3/4-16	3/8	----
240588	3/4-16	1/2	----
2405812	3/4-16	3/4	----
2405106	7/8-14	3/8	----
2405108	7/8-14	1/2	----
2405128	1-1/16-12	1/2	----
24051212	1-1/16-12	3/4	----
24051216	1-1/16-12	1	----
24051612	1-5/16-12	3/4	----
24051616	1-5/16-12	1	----
24052020	1-5/8-12	1-1/4	----

2405 2022R GTX 1230R C5255

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



STRAIGHTS STEEL JIC FLARE 37°

HYDRAULIC ADAPTERS

JIC REDUCER/ EXPANDER

SAE 070123 1



2

PART #	FEMALE JIC THREAD SIZE 1	MALE JIC THREAD SIZE 2	
240664	9/16-18	7/16-20	----
240665	9/16-18	1/2-20	----
240668	9/16-18	3/4-16	----
240684	3/4-16	7/16-20	----
240686	3/4-16	9/16-18	----
2406812	3/4-16	1-1/16-12	----
2406104	7/8-14	7/16-20	----
2406106	7/8-14	9/16-18	----
2406108	7/8-14	3/4-16	----
2406124	1-1/16-12	7/16-20	----
2406126	1-1/16-12	9/16-18	----
2406128	1-1/16-12	3/4-16	----
24061210	1-1/16-12	7/8-14	----
24061216	1-1/16-12	1-5/16-12	----
2406164	1-5/16-12	7/16-20	----
2406166	1-5/16-12	9/16-18	----
2406168	1-5/16-12	3/4-16	----
24061612	1-5/16-12	1-1/16-12	----
24061620	1-5/16-12	1-5/8-12	----
2406208	1-5/8-12	3/4-16	----
24062012	1-5/8-12	1-1/16-12	----
24062012	1-5/8-12	1-1/16-12	----
24062016	1-5/8-12	1-5/16-12	----
24062416	1-7/8-12	1-5/16-12	----
24062420	1-7/8-12	1-5/8-12	----
24063224	2-1/2-12	1-7/8-12	----

2406 C5015 2215 TRTX 1246

PLUG

SAE 070109
MS 51518



PART #	TUBE O.D.	JIC THREAD SIZE	
24082	1/8	5/16-24	----
24083	3/16	3/8-24	----
24084	1/4	7/16-20	----
24085	5/16	1/2-20	----
24086	3/8	9/16-18	----
24088	1/2	3/4-16	----
240810	5/8	7/8-14	----
240812	3/4	1-1/16-12	----
240814	7/8	1-3/16-12	----
240816	1	1-5/16-12	----
240820	1-1/4	1-5/8-12	----
240824	1-1/2	1-7/8-12	----
240832	2	2-1/2-12	----

2408 430549 PNTX 1254 C5229

STEEL 37° JIC FLARE SHAPES

JIC UNION ELBOW

SAE 070201 1
MS 51505



2

PART #	JIC THREAD SIZE 1	JIC THREAD SIZE 2	
250022	5/16-24	5/16-24	----
250044	7/16-20	7/16-20	----
250055	1/2-20	1/2-20	----
250066	9/16-18	9/16-18	----
250064	9/16-18	7/16-20	----
250088	3/4-16	3/4-16	----
250086	3/4-16	9/16-18	----
25001010	7/8-14	7/8-14	----
25001212	1-1/16-12	1-1/16-12	----
25001612	1-5/16-12	1-1/16-12	----
25001616	1-5/16-12	1-5/16-12	----
25002020	1-5/8-12	1-5/8-12	----
25002424	1-7/8-12	1-7/8-12	----
25003232	2-1/2-12	2-1/2-12	----

2500 2039 1234 C5505 821

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer.
 For more information, visit www.P65Warnings.ca.gov

HYDRAULICS

STRAIGHTS STEEL JIC FLARE 37°

HYDRAULIC ADAPTERS

JIC MALE ELBOW

SAE 070202
MS 51504

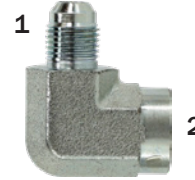


PART #	JIC THREAD SIZE 1	MALE PIPE SIZE 2	
250122	5/16-24	1/8	----
250142	7/16-20	1/8	----
250144	7/16-20	1/4	----
250146	7/16-20	3/8	----
250148	7/16-20	1/2	----
250162	9/16-18	1/8	----
250164	9/16-18	1/4	----
250166	9/16-18	3/8	----
250168	9/16-18	1/2	----
2501612	9/16-18	3/4	----
250184	3/4-16	1/4	----
250186	3/4-16	3/8	----
250188	3/4-16	1/2	----
2501812	3/4-16	3/4	----
2501816	3/4-16	1	----
2501106	7/8-14	3/8	----
2501108	7/8-14	1/2	----
2501128	1-1/16-12	1/2	----
25011212	1-1/16-12	3/4	----
25011216	1-1/16-12	1	----
25011612	1-5/16-12	3/4	----
25011616	1-5/16-12	1	----
25011620	1-5/16-12	1-1/4	----
25012016	1-5/8-12	1	----
25012020	1-5/8-12	1-1/4	----
25012024	1-5/8-12	1-1/2	----
25012420	1-7/8-12	1-1/4	----
25012424	1-7/8-12	1-1/2	----
25013232	2-1/2-12	2	----

1208R C5405 2501 2024R CTX 822

JIC FEMALE ELBOW

SAE 070203
MS 51506



PART #	JIC THREAD SIZE 1	FEMALE PIPE SIZE 2	
250242	7/16-20	1/8	----
250244	7/16-20	1/4	----
250246	7/16-20	3/8	----
250262	9/16-18	1/8	----
250264	9/16-18	1/4	----
250266	9/16-18	3/8	----
250268	9/16-18	1/2	----
250284	3/4-16	1/4	----
250286	3/4-16	3/8	----
250288	3/4-16	1/2	----
2502128	1-1/16-12	1/2	----
25021212	1-1/16-12	3/4	----
25021612	1-5/16-12	3/4	----
25021616	1-5/16-12	1	----
25022020	1-5/8-12	1-1/4	----

2502 2025R DTX 1240R C5455

JIC MALE 45° ELBOW

SAE 070302
MS 51508



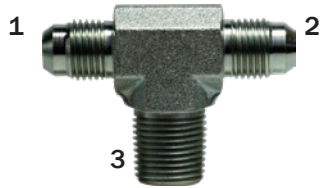
PART #	JIC THREAD SIZE 1	MALE PIPE SIZE 2	
250322	5/16-24	1/8	----
250342	7/16-20	1/8	----
250344	7/16-20	1/4	----
250346	7/16-20	3/8	----
250362	9/16-18	1/8	----
250364	9/16-18	1/4	----
250366	9/16-18	3/8	----
250368	9/16-18	1/2	----
2503612	9/16-18	3/4	----
250384	3/4-16	1/4	----
250386	3/4-16	3/8	----
250388	3/4-16	1/2	----
2503106	7/8-14	3/8	----
2503108	7/8-14	1/2	----
25031012	7/8-14	3/4	----
25031212	1-1/16-12	3/4	----
25031216	1-1/16-12	1	----
25031616	1-5/16-12	1	----
25031620	1-5/16-12	1-1/4	----
25032016	1-5/8-12	1	----
25032020	1-5/8-12	1-1/4	----

2503 2023R VTX 1206R C5355 823

SHAPES STEEL JIV FLARE 37°

HYDRAULIC ADAPTERS

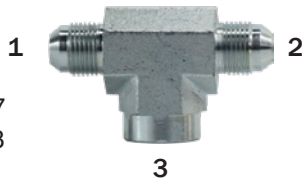
JIC MALE BRANCH TEE



PART #	JIC THREAD SIZE 1&2	PIPE THREAD SIZE 3	
260144	7/16-20	1/4	----
260166	9/16-18	3/8	----
260188	3/4-16	1/2	----
26011212	1-1/16-12	3/4	----

2601 2030R STX 1221R C5605

JIC FEMALE BRANCH TEE



SAE 070427
MS 51513

PART #	JIC THREAD SIZE 1 & 2	FEMALE PIPE SIZE 3	
260244	7/16-20	1/4	----
260266	9/16-18	3/8	----
260288	3/4-16	1/2	----

2602 2031R OTX 1228R C6566

JIC UNION TEE

SAE 070401
MS 51510



PART #	JIC THREAD SIZE 1 & 2	JIC THREAD SIZE 3	
260322	5/16-24	5/16-24	----
260333	3/8-24	3/8-24	----
260344	7/16-20	7/16-20	----
260366	9/16-18	9/16-18	----
260388	3/4-16	3/4-16	----
26031010	7/8-14	7/8-14	----
26031212	1-1/16-12	1-1/16-12	----
26031616	1-5/16-12	1-5/16-12	----

2603 2033 JTX 1220 C5705

STEEL BULKHEAD FITTINGS

LOCK NUT

SAE 070118
MS 51860



* Lock Nut no longer included on fittings

PART #	THREAD SIZE	
03062	5/16-24	----
03064	7/16-20	----
03065	1/2-20	----
03066	9/16-18	----
03068	3/4-16	----
030610	7/8-14	----
030612	1-1/16-12	----
030614	1-3/16-12	----
030616	1-5/16-12	----
030620	1-5/8-12	----

1306 894 210212 WLN 1332 C5624

JIC BULKHEAD UNION

SAE 070601
MS 51520



PART #	JIC THREAD SIZE 1	JIC THREAD SIZE 2	
270022	5/16-24	5/16-24	----
270044	7/16-20	7/16-20	----
270055	1/2-20	1/2-20	----
270066	9/16-18	9/16-18	----
27008	3/4-16	3/4-16	----
270010	7/8-14	7/8-14	----
270012	1-1/16-12	1-1/16-12	----
270014	1-3/16-12	1-3/16-12	----
270016	1-5/16-12	1-5/16-12	----

2700 2041R WTX 1260 C5325

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer.
 For more information, visit www.P65Warnings.ca.gov

STEEL BULKHEAD FITTINGS

HYDRAULIC ADAPTERS

JIC BULKHEAD UNION ELBOW

1

SAE 070701
MS 51507



2

PART #	JIC THREAD SIZE 1	JIC BULKHEAD THREAD 2	
27014	7/16-20	7/16-20	----
27015	1/2-20	1/2-20	----
27016	9/16-18	9/16-18	----
27018	3/4-16	3/4-16	----
270110	7/8-14	7/8-14	----
270112	1-1/16-12	1-1/16-12	----
270116	1-5/16-12	1-5/16-12	----
270120	1-5/8-12	1-5/8-12	----

2701 2043R WETX 1262 C5525

JIC BULKHEAD UNION 45° ELBOW

1

SAE 070801
MS 51509



2

PART #	JIC THREAD SIZE 1	JIC THREAD SIZE 2	
27024	7/16-20	7/16-20	----
27026	9/16-18	9/16-18	----
27028	3/4-16	3/4-16	----
270210	7/8-14	7/8-14	----
270212	1-1/16-12	1-1/16-12	----
270216	1-5/16-12	1-5/16-12	----

2702 2042 WNTX 1261 C5375

JIC BULKHEAD BRANCH TEE

1

SAE 070959
MS 51515



2

3

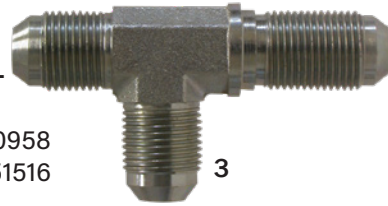
PART #	JIC THREAD SIZE 1&2	JIC THREAD SIZE 3	
27034	7/16-20	7/16-20	----
27036	9/16-18	9/16-18	----
27038	3/4-16	3/4-16	----
270310	7/8-14	7/8-14	----
270312	1-1/16-12	1-1/16-12	----
270316	1-5/16-12	1-5/16-12	----

2703 203002 WJT 1283 C5725

JIC BULKHEAD RUN TEE

1

SAE 070958
MS 51516



2

3

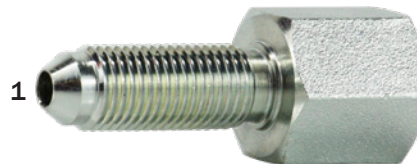
PART #	JIC THREAD SIZE 1&3	JIC THREAD SIZE 2	
27044	7/16-20	7/16-20	----
27046	9/16-18	9/16-18	----
27048	3/4-16	3/4-16	----
270410	7/8-14	7/8-14	----
270412	1-1/16-12	1-1/16-12	----
270416	1-5/16-12	1-5/16-12	----

2704 203008 WJIT 1284 C5726

JIC TO FEMALE PIPE BULKHEAD

1

PART #



2

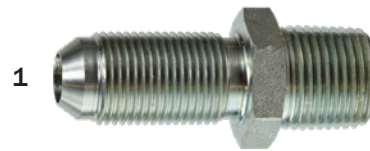
PART #	JIC THREAD SIZE 1	FEMALE PIPE SIZE 2	
270544	7/16-20		----
270566	9/16-18	3/8	----
270588	3/4-16	1/2	----
27051212	1-1/16-12	3/4	----
27051616	1-5/16-12	1	----
27052020	1-5/8-12	1-1/4	----

2705 2239 WGTX C5275

JIC TO MALE PIPE BULKHEAD

1

PART #



2

PART #	JIC THREAD SIZE 1	PIPE THREAD SIZE 2	
270644	7/16-20	1/4	----
270666	9/16-18	3/8	----
270688	3/4-16	1/2	----
27061212	1-1/16-12	3/4	----
27061616	1-5/16-12	1	----

2706 2240

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



* Lock Nuts sold separately - pg. 403

STEEL PIPE FITTINGS

HYDRAULIC ADAPTERS

SAE 140138 PIPE COUPLING 910



PART #	FEMALE PIPE 1	FEMALE PIPE 2	
50002	1/8	1/8	----
500042	1/4	1/8	----
50004	1/4	1/4	----
500064	3/8	1/4	----
500066	3/8	3/8	----
500084	1/2	1/4	----
500086	1/2	3/8	----
50008	1/2	1/2	----
5000128	3/4	1/2	----
50001212	3/4	3/4	----
5000168	1	1/2	----
50001612	1	3/4	----
500016	1	1	----
50002020	1-1/4	1-1/4	----
500024	1-1/2	1-1/2	----
500032	2	2	----

5000 2096 GG 1273 C3309

HEX PIPE NIPPLES



PART #	MALE PIPE 1	MALE PIPE 2	
54042	1/8	1/8	----
540442	1/4	1/8	----
54044	1/4	1/4	----
540462	3/8	1/8	----
540464	3/8	1/4	----
54046	3/8	3/8	----
540484	1/2	1/4	----
540486	1/2	3/8	----
54048	1/2	1/2	----
5404126	3/4	3/8	----
5404128	3/4	1/2	----
540412	3/4	3/4	----
5404166	1	3/8	----
5404168	1	1/2	----
54041612	1	3/4	----
540416	1	1	----
54042012	1-1/4	3/4	----
54042016	1-1/4	1	----
540420	1-1/4	1-1/4	----
54042412	1-1/2	3/4	----
54042416	1-1/2	1	----
54042420	1-1/2	1-1/4	----
540424	1-1/2	1-1/2	----
54043224	2	1-1/2	----

5404 2083 FF 1252 C3069 911

EXPANDING PIPE ADAPTER



PART #	MALE PIPE 1	FEMALE PIPE 2	
540522	1/8	1/8	----
540524	1/8	1/4	----
540542	1/4	1/8	----
540544	1/4	1/4	----
540548	1/4	1/2	----
540564	3/8	1/4	----
540566	3/8	3/8	----
540568	3/8	1/2	----
5405612	3/8	3/4	----
540588	1/2	1/2	----
5405812	1/2	3/4	----
5405816	1/2	1	----
54051212	3/4	3/4	----
54051216	3/4	1	----
54051220	3/4	1-1/4	----
54051616	1	1	----
54051620	1	1-1/4	----
54052020	1-1/4	1-1/4	----
54052024	1-1/4	1-1/2	----
54052424	1-1/2	1-1/2	----

920 5405 2040 FG-(R) 1274 C3209(R)

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



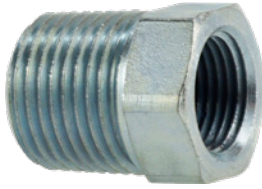
5406 2081 PTR 1250 C3109 912

STEEL PIPE FITTINGS

HYDRAULIC ADAPTERS

HEX REDUCER BUSHING

SAEF1
140140



PART #	MALE PIPE	FEMALE PIPE	
540642	1/4	1/8	----
540662	3/8	1/8	----
540664	3/8	1/4	----
540682	1/2	1/8	----
540684	1/2	1/4	----
540686	1/2	3/8	----
5406124	3/4	1/4	----
5406126	3/4	3/8	----
5406128	3/4	1/2	----
5406164	1	1/4	----
5406166	1	3/8	----
5406168	1	1/2	----
54061612	1	3/4	----
5406206	1-1/4	3/8	----
5406208	1-1/4	1/2	----
54062012	1-1/4	3/4	----
54062016	1-1/4	1	----
5406248	1-1/2	1/2	----
54062412	1-1/2	3/4	----
54062416	1-1/2	1	----
54062420	1-1/2	1-1/4	----
54063212	2	3/4	----
54063216	2	1	----
54063220	2	1-1/4	----
54063224	2	1-1/2	----

HEX HEAD PLUG

SAE 130109E



PART #	MALE PIPE	
5406P2	1/8	----
5406P4	1/4	----
5406P6	3/8	----
5406P8	1/2	----
5406P12	3/4	----
5406P16	1	----
5406P20	1-1/4	----
5406P24	1-1/2	----
5406P32	2	----

933 5406P 2082 HP 1251 C3159

HOLLOW HEX PLUG

SAE 130109



PART #	MALE PIPE	
5406HHP2	1/8	----
5406HHP4	1/4	----
5406HHP6	3/8	----
5406HHP8	1/2	----
5406HHP12	3/4	----
5406HHP16	1	----
5406HHP20	1-1/4	----
5406HHP24	1-1/2	----

C3169 2222

FLUSH HOLLOW HEX PLUG W/ 7/8 TAPER



PART #	MALE PIPE	
5406FLP2	1/8	----
5406FLP4	1/4	----
5406FLP6	3/8	----
5406FLP8	1/2	----
5406FLP12	3/4	----

SQUARE HEAD PLUG

SAE 130109A



PART #	MALE PIPE	
5406SHP2	1/8	----
5406SHP4	1/4	----
5406SHP6	3/8	----
5406SHP8	1/2	----
5406SHP12	3/4	----
5406SHP16	1	----
5406SHP20	1-1/4	----
5406SHP24	1-1/2	----
5406SHP32	2	----

C3179

STEEL PIPE FITTINGS

HYDRAULIC ADAPTERS

PIPE CAP



PART #	FEMALE PIPE	
5406C2	1/8	----
5406C4	1/4	----
5406C6	3/8	----
5406C8	1/2	----
5406C12	3/4	----
5406C16	1	----

HPC

MALE ELBOW

SAE 140237



PART #	MALE PIPE 1	MALE PIPE 2	
55002	1/8	1/8	----
550042	1/4	1/8	----
55004	1/4	1/4	----
550064	3/8	1/4	----
55006	3/8	3/8	----
550084	1/2	1/4	----
550086	1/2	3/8	----
55008	1/2	1/2	----
5500128	3/4	1/2	----
55001212	3/4	3/4	----
55001612	1	3/4	----
550016	1	1	----
55001612	1	3/4	----
55002016	1-1/4	1	----
55002020	1-1/4	1-1/4	----
550024	1-1/2	1-1/2	----
550032	2	2	----

919 5500 2085 CR 1275 C3529

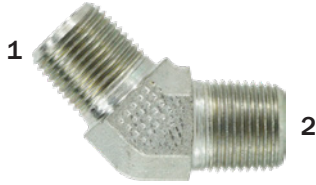
WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

HYDRAULICS

STEEL PIPE FITTINGS

HYDRAULIC ADAPTERS

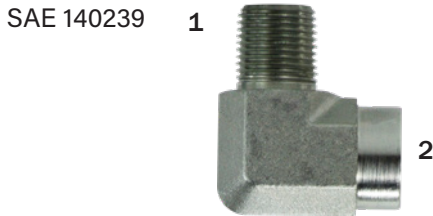
45° MALE ELBOW



PART #	MALE PIPE 1	MALE PIPE 2	
550122	1/8	1/8	----
550144	1/4	1/4	----
550166	3/8	3/8	----
55018	1/2	1/2	----
55011212	3/4	3/4	----
55011616	1	1	----

5501 2247

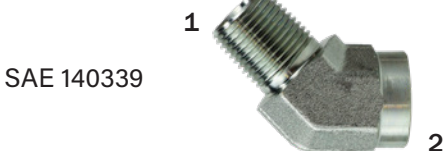
90° STREET ELBOW



PART #	MALE PIPE 1	FEMALE PIPE 2	
55022	1/8	1/8	----
55024	1/4	1/4	----
550264	3/8	1/4	----
55026	3/8	3/8	----
550268	3/8	1/2	----
550284	1/2	1/4	----
550286	1/2	3/8	----
550288	1/2	1/2	----
550212	3/4	3/4	----
5502812	1/2	3/4	----
5502128	3/4	1/2	----
55021612	1	3/4	----
55021616	1	1	----
550220	1-1/4	1-1/4	----
550224	1-1/2	1-1/2	----

5502 2089 CD 1234R C3409 914

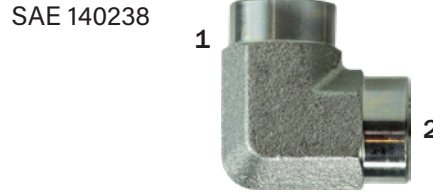
45° STREET ELBOW



PART #	MALE PIPE 1	FEMALE PIPE 2	
55032	1/8	1/8	----
55034	1/4	1/4	----
55036	3/8	3/8	----
55038	1/2	1/2	----
55031212	3/4	3/4	----
550316	1	1	----

5503 CD45 1244

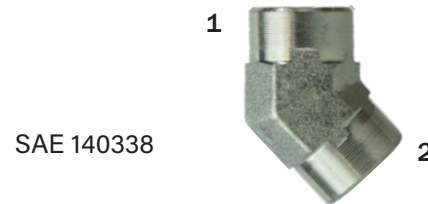
FEMALE ELBOW



PART #	FEMALE PIPE 1	FEMALE PIPE 2	
55042	1/8	1/8	----
550442	1/4	1/8	----
55044	1/4	1/4	----
55046	3/8	3/8	----
550484	1/2	1/4	----
550486	1/2	3/8	----
55048	1/2	1/2	----
5504128	3/4	1/2	----
550412	3/4	3/4	----
55041612	1	3/4	----
550416	1	1	----
550420	1-1/4	1-1/4	----
550424	1-1/2	1-1/2	----

5504 2087 DD 1245 C3509 916

45° FEMALE ELBOW



PART #	FEMALE PIPE 1	FEMALE PIPE 2	
55054	1/4	1/4	----
55056	3/8	3/8	----
55058	1/2	1/2	----
550512	3/4	3/4	----
550516	1	1	----
550520	1-1/4	1-1/4	----

5505 DD45 1241 C3559

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

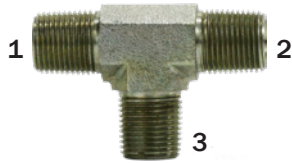


STEEL PIPE FITTINGS

HYDRAULIC ADAPTERS

MALE PIPE TEE

SAE 140437

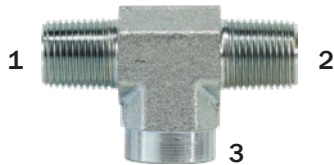


PART #	MALE PIPE 1 & 2	MALE PIPE 3	
560022	1/8	1/8	----
560044	1/4	1/4	----
560066	3/8	3/8	----
560088	1/2	1/2	----
560012	3/4	3/4	----
560016	1	1	----

5600 2257 RRS

FEMALE BRANCH PIPE TEE

SAE 140427

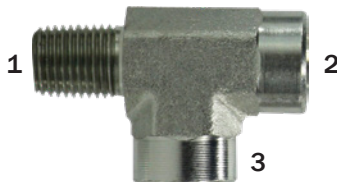


PART #	MALE PIPE 1 & 2	FEMALE PIPE 3	
560122	1/8	1/8	----
560144	1/4	1/4	----
560166	3/8	3/8	----
560112	3/4	3/4	----
560116	1	1	----

901 5601 2256

STREET PIPE TEE

SAE 140424

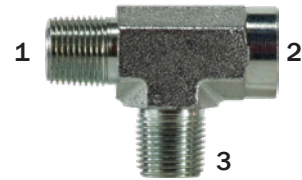


PART #	MALE PIPE 1	FEMALE PIPE 2 & 3	
560222	1/8	1/8	----
560244	1/4	1/4	----
560266	3/8	3/8	----
560288	1/2	1/2	----
560212	3/4	3/4	----
560216	1	1	----

902 5602 2092 MRO 1276 C3759

FEMALE RUN PIPE TEE

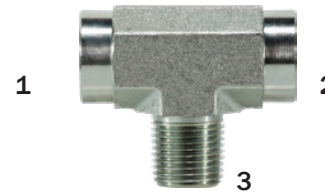
SAE 1404276



PART #	MALE PIPE 1 & 3	FEMALE PIPE 2	
560322	1/8	1/8	----
560344	1/4	1/4	----
560366	3/8	3/8	----
560388	1/2	1/2	----
560312	3/4	3/4	----
560316	1	1	----

5603 2093 MMO 1277

MALE BRANCH PIPE TEE

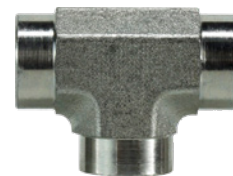


PART #	FEMALE PIPE 1 & 2	MALE PIPE 3	
560422	1/8	1/8	----
560444	1/4	1/4	----
560466	3/8	3/8	----
560488	1/2	1/2	----
560412	3/4	3/4	----
560416	1	1	----

904 5604 2091 MMS 1278 C3609

FEMALE PIPE TEE

SAE 140438



PART #	FEMALE PIPE	
560522	1/8	----
560544	1/4	----
560566	3/8	----
56058	1/2	----
560512	3/4	----
560516	1	----
560520	1-1/4	----

917 5605 2090 1225 C3709

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



STEEL O-RING ADAPTERS

HYDRAULIC ADAPTERS

JIC TO O-RING CONNECTOR

SAE 070120
MS 51525



PART #	JIC THREAD SIZE 1	O-RING THREAD 2	
64002	5/16-24	5/16-24	----
64003	3/8-24	3/8-24	----
64004	7/16-20	7/16-20	----
640042	7/16-20	5/16-24	----
640046	7/16-20	9/16-18	----
640048	7/16-20	3/4-16	----
64005	1/2-20	1/2-20	----
64006	9/16-18	9/16-18	----
640064	9/16-18	7/16-20	----
640068	9/16-18	3/4-16	----
6400610	9/16-18	7/8-14	----
6400612	9/16-18	1-1/16-12	----
6400616	9/16-18	1-5/16-12	----
64008	3/4-16	3/4-16	----
640084	3/4-16	7/16-20	----
640086	3/4-16	9/16-18	----
6400810	3/4-16	7/8-14	----
6400812	3/4-16	1-1/16-12	----
640010	7/8-14	7/8-14	----
6400106	7/8-14	9/16-18	----
6400108	7/8-14	3/4-16	----
64001012	7/8-14	1-1/16-12	----
640012	1-1/16-12	1-1/16-12	----
6400128	1-1/16-12	3/4-16	----
64001210	1-1/16-12	7/8-14	----
64001214	1-1/16-12	1-3/16-12	----
64001216	1-1/16-12	1-5/16-12	----
640016	1-5/16-12	1-5/16-12	----
64001612	1-5/16-12	1-1/16-12	----
64001620	1-5/16-12	1-5/8-12	----
64001624	1-5/16-12	1-7/8-12	----
640020	1-5/8-12	1-5/8-12	----
64002012	1-5/8-12	1-1/16-12	----
64002016	1-5/8-12	1-5/16-12	----
64002024	1-5/8-12	1-7/8-12	----
640024	1-7/8-12	1-7/8-12	----
64002420	1-7/8-12	1-5/8-12	----
64002432	1-7/8-12	2-1/2-12	----
640032	2-1/2-12	2-1/2-12	----
64003224	2-1/2-12	1-7/8-12	----

6400 202702R F50X 1231 C5315

O-RING TO PIPE ADAPTER



PART #	O-RING THREAD 1	MALE PIPE THREAD 2	
640142	7/16-20	1/8	----
640144	7/16-20	1/4	----
640164	9/16-18	1/4	----
640166	9/16-18	3/8	----
640186	3/4-16	3/8	----
640188	3/4-16	1/2	----
6401812	3/4-16	3/4	----
6401108	7/8-14	1/2	----
6401128	1-1/16-12	1/2	----
64011212	1-1/16-12	3/4	----
64011616	1-5/16-12	1	----
64012020	1-5/8-12	1-1/4	----
64012020	1-5/8-12	1-1/4	----
64012424	1-7/8-12	1-1/2	----

6401 F5X 1264R C3249

O-RING TO 37° JIC - SWIVEL ADAPTER



PART #	O-RING THREAD 1	JIC THREAD SIZE 2	
6402O44	7/16-20	7/16-20	----
6402O66	9/16-18	9/16-18	----
6402O68	9/16-18	3/4-16	----
6402O88	3/4-16	3/4-16	----
6402O86	3/4-16	9/16-18	----
6402O1010	7/8-14	7/8-14	----
6402O1212	1-1/16-12	1-1/16-12	----

6402 2266 F65X 1213 9316

O-RING HEX NIPPLE UNION



PART #	O-RING THRD 1	O-RING THRD 2	
6403O4	7/16-20	7/16-20	----
6403O6	9/16-18	9/16-18	----
6403O8	3/4-16	3/4-16	----
6403O12	1-1/16-12	1-1/16-12	----
6403O16	1-5/16-12	1-5/16-12	----

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STEEL O-RING ADAPTERS

HYDRAULIC ADAPTERS

FEMALE O-RING TO MALE PIPE ADAPTER



PART #	O-RING THREAD 1	MALE PIPE THREAD 2	
640442	7/16-20	1/8	----
640444	7/16-20	1/4	----
640464	9/16-18	1/4	----
640466	9/16-18	3/8	----
640468	9/16-18	1/2	----
640486	3/4-16	3/8	----
640488	3/4-16	1/2	----
6404108	7/8-14	1/2	----
64041212	1-1/16-12	3/4	----
64041616	1-5/16-12	1	----

6404 2246R 1267R C3239 FHGS

O-RING TO FEMALE PIPE ADAPTER



PART #	O-RING THREAD 1	FEMALE PIPE THREAD 2	
6405O22	5/16-24	1/8	----
6405O42	7/16-20	1/8	----
6405O32	3/8-24	1/8	----
6405O34	3/8-24	1/4	----
6405O44	7/16-20	1/4	----
6405O52	1/2-20	1/8	----
6405O54	1/2-20	1/4	----
6405O62	9/16-18	1/8	----
6405O64	9/16-18	1/4	----
6405O66	9/16-18	3/8	----
6405O68	9/16-8	1/2	----
6405O84	3/4-16	1/4	----
6405O86	3/4-16	3/8	----
6405O88	3/4-16	1/2	----
6405O812	3/4-16	3/4	----
6405O104	7/8-14	1/4	----
6405O106	7/8-14	3/8	----
6405O108	7/8-14	1/2	----
6405O126	1-1/16-12	3/8	----
6405O128	1-1/16-12	1/2	----
6405O1212	1-1/16-12	3/4	----
6405O1216	1-1/16-12	1	----
6405O1612	1-5/16-12	3/4	----
6405O1616	1-5/16-12	1	----
6405O2020	1-5/8-12	1-1/4	----
6405O2416	1-7/8-12	1	----
6405O2420	1-7/8-12	1-1/4	----
6405O2424	1-7/8-12	1-1/2	----
6405O3224	2-1/2-12	1-1/2	----
6405O3232	2-1/2-12	2	----

6405 2216R F50G 1268R C3269

O-RING HEX HEAD PLUG

SAE 090109A



* Not all sizes are solid

PART #	O-RING THREAD	
6408O2	5/16-24	----
6408O4	7/16-20	----
6408O5	1/2-20	----
6408O6	9/16-18	----
6408O8	3/4-16	----
6408O10	7/8-14	----
6408O12	1-1/16-12	----
6408O14	1-3/16-12	----
6408O16	1-5/16-12	----
6408O20	1-5/8-12	----
6408O24	1-7/8-12	----

6408 900598 P50N 1265 7237

O-RING HOLLOW - HEX HEAD PLUG

SAE 090109B



PART #	O-RING THREAD	
6408HO2	5/16-24	----
6408HO4	7/16-20	----
6408HO5	1/2-20	----
6408HO6	9/16-18	----
6408HO8	3/4-16	----
6408HO10	7/8-14	----
6408HO12	1-1/16-12	----
6408HO14	1-3/16-12	----
6408HO16	1-5/16-12	----
6408HO20	1-5/8-12	----
6408HO24	1-7/8-12	----

6408HHP FF2138 HP50N 1256 7238 6409

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FEMALE SWIVELS JIC

HYDRAULIC ADAPTERS

O-RING PORT REDUCER/EXPANDER



PART #	O-RING THREAD 1	O-RING THREAD 2	
6410O46	7/16-20	9/16-18	----
6410O64	9/16-18	7/16-20	----
6410O68	9/16-18	3/4-16	----
6410O84	3/4-16	7/16-20	----
6410O86	3/4-16	9/16-18	----
6410O88	3/4-16	3/4-16	----
6410O812	3/4-16	1-1/16-12	----
6410O124	1-1/16-12	7/16-20	----
6410O126	1-1/16-12	9/16-18	----
6410O128	1-1/16-12	3/4-16	----
6410O166	1-5/16-12	9/16-18	----
6410O168	1-5/16-12	3/4-16	----
6410O1612	1-5/16-12	1-1/16-12	----
6410O2012	1-5/8-12	1-1/16-12	----
6410O2016	1-5/8-12	1-5/16-12	----
6410O2412	1-7/8-12	1-1/16-12	----
6410O2416	1-7/8-12	1-5/16-12	----
6410O2420	1-7/8-12	1-5/8-12	----
6410O3216	2-1/2-12	1-5/16-12	----
6410O3220	2-1/2-12	1-5/8-12	----
6410O3224	2-1/2-12	1-7/8-12	----

6410 FF1010 F50G5 1270 7033

JIC SWIVEL NUT ELBOW

SAE 070221
MS 51521



PART #	JIC THREAD SIZE 1	JIC THREAD SIZE 2	
65004	7/16-20	7/16-20	----
65006	9/16-18	9/16-18	----
65008	3/4-16	3/4-16	----
650086	3/4-16	9/16-18	----
650010	7/8-14	7/8-14	----
6500108	7/8-14	3/4-16	----
650012	1-1/16-12	1-1/16-12	----
650016	1-5/16-12	1-5/16-12	----
650020	1-5/8-12	1-5/8-12	----
650024	1-7/8-12	1-7/8-12	----
650032	2-1/2-12	2-1/2-12	----

6500 2071R C6X 1236 G5506

JIC SWIVEL TO MALE PIPE ELBOW



PART #	JIC THREAD SIZE 1	MALE PIPE THREAD 2	
650142	7/16-20	1/8	----
650144	7/16-20	1/4	----
650164	9/16-18	1/4	----
650166	9/16-18	3/8	----
650186	3/4-16	3/8	----
650188	3/4-16	1/2	----
6501108	7/8-14	1/2	----
65011212	1-1/16-12	3/4	----
65011616	1-5/16-12	1	----
65012020	1-5/8-12	1-1/4	----
65012424	1-7/8-12	1-1/2	----
65013232	2-1/2-12	2	----

6501 2250 1247R TF5406

JIC SWIVEL 45° ELBOW

SAE 070321
MS 51522



PART #	JIC THREAD SIZE 1	JIC THREAD SIZE 2	
65024	7/16-20		----
65026	9/16-18	9/16-18	----
65028	3/4-16	3/4-16	----
650210	7/8-14	7/8-14	----
650212	1-1/16-12	1-1/16-12	----
650216	1-5/16-12	1-5/16-12	----

JIC SWIVEL TO FEMALE - PIPE ELBOW



PART #	JIC THREAD SIZE 1	FEMALE PIPE THREAD 2	
650344	7/16-20	1/4	----
650364	9/16-18	1/4	----
650366	9/16-18	3/8	----
650386	3/4-16	3/8	----
650388	3/4-16	1/2	----
65031212	1-1/16-12	3/4	----

6502 2070R V6X 1237 C5356

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



FEMALE SWIVELS

HYDRAULIC ADAPTERS

JIC SWIVEL CONNECTOR



PART #	JIC THREAD SIZE 1	JIC THREAD SIZE 2	
650444	7/16-20	7/16-20	----
650466	9/16-18	9/16-18	----
650488	3/4-16	3/4-16	----
65041010	7/8-14	7/8-14	----
65041212	1-1/16-12	1-1/16-12	----
65041616	1-5/16-12	1-5/16-12	----
65042020	1-5/8-12	1-5/8-12	----

6504 1205

JIC SWIVEL TO MALE - PIPE ADAPTER



PART #	JIC THREAD SIZE 1	MALE PIPE THREAD 2	
650542	7/16-20	1/8	----
650544	7/16-20	1/4	----
650546	7/16-20	3/8	----
650564	9/16-18	1/4	----
650566	9/16-18	3/8	----
650586	3/4-16	3/8	----
650588	3/4-16	1/2	----
6505128	1-1/16-12	1/2	----
65051212	1-1/16-12	3/4	----
65051612	1-5/16-12	3/4	----
65051616	1-5/16-12	1	----
65052424	1-7/8-12	1-1/2	----

6505 2018 F6X 1211 9100R

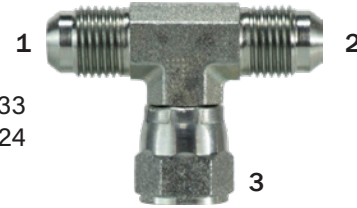
JIC SWIVEL TO FEMALE PIPE ADAPTER



PART #	JIC THREAD SIZE 1	FEMALE PIPE THREAD 2	
650642	7/16-20	1/8	----
650644	7/16-20	1/4	----
650664	9/16-18	1/4	----
650666	9/16-18	3/8	----
650668	9/16-18	1/2	----
650686	3/4-16	3/8	----
650688	3/4-16	1/2	----
6506106	7/8-14	3/8	----
6506128	1-1/16-12	1/2	----
65061212	1-1/16-12	3/4	----
65061616	1-5/16-12	1	----
65062020	1-5/8-12	1-1/4	----
65062424	1-7/8-12	1-1/2	----
65063232	2-1/2-12	2	----

6506 2242 1215

JIC SWIVEL BRANCH TEE

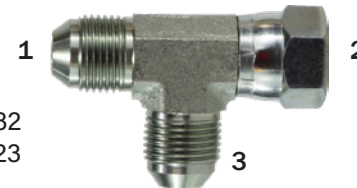


SAE 070433
MS 51524

PART #	JIC THREAD SIZE 1 & 2	JIC FEMALE THREAD 3	
660044	7/16-20	7/16-20	----
660066	9/16-18	9/16-18	----
660088	3/4-16	3/4-16	----
660010	7/8-14	7/8-14	----
660012	1-1/16-12	1-1/16-12	----
660016	1-5/16-12	1-5/16-12	----
660020	1-5/8-12	1-5/8-12	----

6600 203101R 55X 1227 C5707

JIC SWIVEL RUN TEE

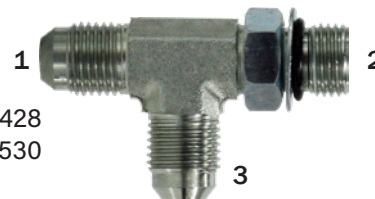


SAE 070432
MS 51523

PART #	JIC THREAD SIZE 1 & 3	JIC FEMALE THREAD 2	
66024	7/16-20	7/16-20	----
66025	1/2-20	1/2-20	----
66026	9/16-18	9/16-18	----
66028	3/4-16	3/4-16	----
660212	1-1/16-12	1-1/16-12	----
660216	1-5/16-12	1-5/16-12	----
660224	1-7/8-12	1-7/8-12	----

6602 203102R R6X 1248 C5706

JIC TO O-RING RUN TEE



SAE 070428
MS 51530

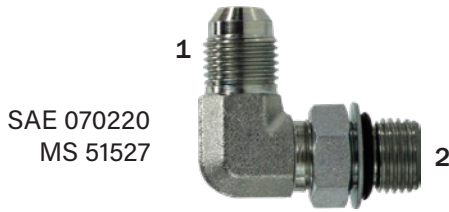
PART #	JIC THREAD SIZE 1 & 3	O-RING THREAD SIZE 2	
6804NWO4	7/16-20	7/16-20	----
6804NWO6	9/16-18	9/16-18	----
6804NWO8	3/4-16	3/4-16	----
6804NWO10	7/8-14	7/8-14	----
6804NWO12	1-1/16-12	1-1/16-12	----
6804NWO16	1-5/16-12	1-5/16-12	----

6804 203005R R50X 1266R C5716

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

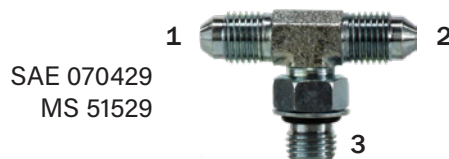
STEEL O-RING ADAPTERS

HYDRAULIC ADAPTERS

JIC TO O-RING ELBOW CONNECTOR

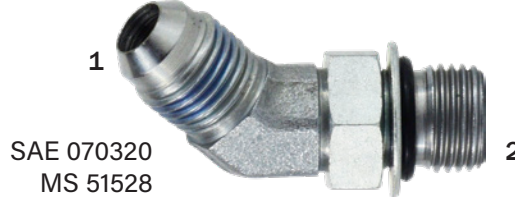
PART #	JIC THREAD SIZE 1	O-RING THREAD SIZE 2	
6801NWO4	7/16-20	7/16-20	----
6801NWO46	7/16-20	9/16-18	----
6801NWO48	7/16-20	3/4-16	----
6801NWO6	9/16-18	9/16-18	----
6801NWO64	9/16-18	7/16-20	----
6801NWO68	9/16-18	3/4-16	----
6801NWO612	9/16-18	1-1/16-12	----
6801NWO8	3/4-16	3/4-16	----
6801NWO86	3/4-16	9/16-18	----
6801NWO810	3/4-16	7/8-14	----
6801NWO812	3/4-16	1-1/16-12	----
6801NWO816	3/4-16	1-5/16-12	----
6801NWO10	7/8-14	7/8-14	----
6801NWO106	7/8-14	9/16-18	----
6801NWO108	7/8-14	3/4-16	----
6801NWO1016	7/8-14	1-5/16-12	----
6801NWO12	1-1/16-12	1-1/16-12	----
6801NWO128	1-1/16-12	3/4-16	----
6801NWO1210	1-1/16-12	7/8-14	----
6801NWO1216	1-1/16-12	1-5/16-12	----
6801NWO16	1-5/16-12	1-5/16-12	----
6801NWO1612	1-5/16-12	1-1/16-12	----
6801NWO1620	1-5/16-12	1-5/8-12	----
6801NWO20	1-5/8-12	1-5/8-12	----
6801NWO2016	1-5/8-12	1-5/16-12	----
6801NWO2024	1-5/8-12	1-7/8-12	----
6801NWO24	1-7/8-12	1-7/8-12	----
6801NWO32	2-1/2-12	2-1/2-12	----

6801 2062R C50X 1238L C5515

JIC TO O-RING - BRANCH TEE

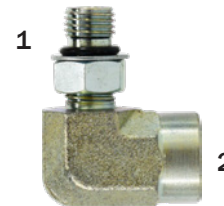
PART #	JIC THREAD SIZE 1 & 2	O-RING THREAD SIZE 3	
6803NWO4	7/16-20	7/16-20	----
6803NWO6	9/16-18	9/16-18	----
6803NWO8	3/4-16	3/4-16	----
6803NWO10	7/8-14	7/8-14	----
6803NWO12	1-1/16-12	1-1/16-12	----
6803NWO16	1-5/16-12	1-5/16-12	----

6803 203003X S50X 1265R C5715

JIC TO O-RING 45° ELBOW

PART #	JIC THREAD SIZE 1	O-RING THREAD SIZE 2	
6802NWO2	5/16-24	5/16-24	----
6802NWO4	7/16-20	7/16-20	----
6802NWO46	7/16-20	9/16-18	----
6802NWO6	9/16-18	9/16-18	----
6802NWO68	9/16-18	3/4-16	----
6802NWO8	3/4-16	3/4-16	----
6802NWO86	3/4-16	9/16-18	----
6802NWO810	3/4-16	7/8-14	----
6802NWO812	3/4-16	1-1/16-12	----
6802NWO10	7/8-14	7/8-14	----
6802NWO108	7/8-14	3/4-16	----
6802NWO1012	7/8-14	1-1/16-12	----
6802NWO12	1-1/16-12	1-1/16-12	----
6802NWO1216	1-1/16-12	1-5/16-12	----
6802NWO16	1-5/16-12	1-5/16-12	----
6802NWO1612	1-5/16-12	1-1/16-12	----
6802NWO1620	1-5/16-12	1-5/8-12	----
6802NWO20	1-5/8-12	1-5/8-12	----
6802NWO2016	1-5/8-12	1-5/16-12	----
6802NWO24	1-7/8-12	1-7/8-12	----
6802NWO32	2-1/2-12	2-1/2-12	----

6802 2061 V50X 1240R C5365

O-RING TO - FEMALE PIPE ELBOW

PART #	O-RING THREAD SIZE 1	PIPE THREAD SIZE 2	
6805NWO42	7/16-20	1/8	----
6805NWO44	7/16-20	1/4	----
6805NWO64	9/16-18	1/4	----
6805NWO66	9/16-18	3/8	----
6805NWO86	3/4-16	3/8	----
6805NWO88	3/4-16	1/2	----
6805NWO108	7/8-14	1/2	----
6805NWO128	1-1/16-12	1/2	----
6805NWO1212	1-1/16-12	3/4	----
6805NWO1616	1-5/16-12	1	----
6805NWO2020	1-5/8-12	1-1/4	----
6805NWO2424	1-7/8-12	1-1/2	----

6805 206801R AE0G 1264 C3459

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



STEEL O-RINGS

HYDRAULIC ADAPTERS

O-RING TO MALE PIPE ELBOW



PART #	O-RING THREAD SIZE 1	PIPE THREAD SIZE 2	
6806NWO44	7/16-20	1/4	----
6806NWO66	9/16-18	3/8	----
6806NWO88	3/4-16	1/2	----
6806NWO1212	1-1/16-12	3/4	----
6806NWO1616	1-5/16-12	1	----

6806 1263 TF3569

O-RING TO 37° JIC SWIVEL NUT TO O-RING ELBOW



PART #	O-RING THREAD SIZE 1	JIC THREAD SIZE 2	
6809NWO44	7/16-20	7/16-20	----
6809NWO66	9/16-18	9/16-18	----
6809NWO88	3/4-16	3/4-16	----
6809NWO1212	1-1/16-12	1-1/16-12	----

FEMALE O-RING TO MALE O-RING ELBOW



PART #	O-RING THREAD SIZE 1	O-RING THREAD SIZE 2	
6815NWO44	7/16-20	7/16-20	----
6815NWO66	9/16-18	9/16-18	----
6815NWO88	3/4-16	3/4-16	----
6815NWO1010	7/8-14	7/8-14	----
6815NWO1212	1-1/16-12	1-1/16-12	----

MALE O-RING SWIVEL ADAPTER

SAE 140157



PART #	O-RING THREAD SIZE 1	FEMALE NPSM SIZE 2	
6900O42	7/16-20	1/8	----
6900O44	7/16-20	1/4	----
6900O46	7/16-20	3/8	----
6900O48	7/16-20	1/2	----
6900O64	9/16-18	1/4	----
6900O66	9/16-18	3/8	----
6900O68	9/16-18	1/2	----
6900O84	3/4-16	1/4	----
6900O86	3/4-16	3/8	----
6900O88	3/4-16	1/2	----
6900O812	3/4-16	3/4	----
6900O104	7/8-14	1/4	----
6900O106	7/8-14	3/8	----
6900O108	7/8-14	1/2	----
6900O1012	7/8-14	3/4	----
6900O128	1-1/16-12	1/2	----
6900O1212	1-1/16-12	3/4	----
6900O1612	1-5/16-12	3/4	----
6900O1616	1-5/16-12	1	----

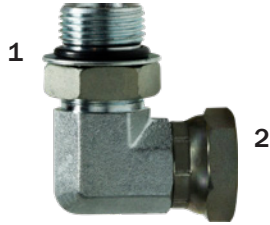
6900 2066R 1235 9315

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

STEEL SAE O-RING

HYDRAULIC ADAPTERS

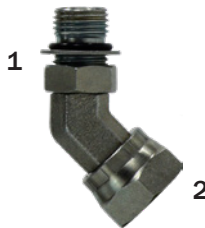
90° O-RING SWIVEL ADAPTER



SAE 140257

PART #	O-RING THREAD SIZE 1	FEMALE NPSM SIZE 2	
6901NWO42	7/16-20	1/8	----
6901NWO44	7/16-20	1/4	----
6901NWO64	9/16-18	1/4	----
6901NWO66	9/16-18	3/8	----
6901NWO68	9/16-18	1/2	----
6901NWO84	3/4-16	1/4	----
6901NWO86	3/4-16	3/8	----
6901NWO88	3/4-16	1/2	----
6901NWO812	3/4-16	3/4	----
6901NWO104	7/8-14	1/4	----
6901NWO106	7/8-14	3/8	----
6901NWO108	7/8-14	1/2	----
6901NWO126	1-1/16-12	3/8	----
6901NWO128	1-1/16-12	1/2	----
6901NWO1212	1-1/16-12	3/4	----
6901NWO1612	1-5/16-12	3/4	----
6901NWO1616	1-5/16-12	1	----
6901NWO2016	1-5/8-12	1	----
6901NWO2020	1-5/8-12	1-1/4	----
6901NWO2424	1-7/8-12	1-1/2	----
6901NWO3232	2-1/2-12	2	----

45° O-RING SWIVEL ADAPTER



SAE 140357

PART #	O-RING THREAD SIZE 1	FEMALE NPSM SIZE 2	
6902NWO42	7/16-20	1/8	----
6902NWO44	7/16-20	1/4	----
6902NWO46	7/16-20	3/8	----
6902NWO64	9/16-18	1/4	----
6902NWO66	9/16-18	3/8	----
6902NWO68	9/16-18	1/2	----
6902NWO84	3/4-16	1/4	----
6902NWO86	3/4-16	3/8	----
6902NWO88	3/4-16	1/2	----
6902NWO108	7/8-14	1/2	----
6902NWO128	1-1/16-12	1/2	----
6902NWO1212	1-1/16-12	3/4	----
6902NWO1616	1-5/16-12	1	----

6902 2067R 1272 9365

O-RINGS

VITON 75 SAE BOSS O-RING



Fluorocarbon

PART #	O-RING THREAD	
400122	5/16-24	----
400144	7/16-20	----
400166	9/16-18	----
400188	3/4-16	----
400110	7/8-14	----
400112	1-1/16-12	----
400116	1-5/16-12	----
400120	1-5/8-12	----
400124	1-7/8-12	----
400132	2-1/2-12	----

NITRILE 90 SAE BOSS O-RING



PART #	O-RING THREAD	
400022	5/16-24	----
400044	7/16-20	----
400066	9/16-18	----
400088	3/4-16	----
400010	7/8-14	----
400012	1-1/16-12	----
400014	1-3/16-12	----
400016	1-5/16-12	----
400020	1-5/8-12	----
400024	1-7/8-12	----
400032	2-1/2-12	----

BRAZE TUBE NUT (SLEEVE REQUIRED)



SAE 520110

PART #	TUBE O.D.	BRAZE TUBE O.D.	
FSO3184	1/4	.25	----
FSO3186	3/8	.38	----
FSO3188	1/2	.50	----
FSO31810	5/8	.62	----
FSO31812	3/4	.72	----
FSO31816	1	1.00	----
FSO31820	1 1/4	1.25	----
FSO31824	1 1/2	1.50	----

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FF318 FF1311

O-RING FACE SEAL ADAPTERS

HYDRAULIC ADAPTERS

BRAZE TUBE SLEEVE

SAE 520115



PART #	TUBE O.D.	
FSO3194	1/4	----
FSO3196	3/8	----
FSO3198	1/2	----
FSO31910	5/8	----
FSO31912	3/4	----
FSO31916	1	----
FSO31920	1-1/4	----

FF319 FF3019

See Page 414 for JIC Nut and Sleeve

CAP

SAE 520112



• Two Piece
Nut/ Insert

PART #	TUBE O.D.	FACE SEAL THREAD	
FSO304C4	1/4	9/16-18	----
FSO304C6	3/8	11/16-16	----
FSO304C8	1/2	13/16-16	----
FSO304C10	5/8	1-14	----
FSO304C12	3/4	1-3/16-12	----
FSO304C16	1	1-7/16-12	----
FSO304C20	1-1/4	1-11/16-12	----
FSO304C24	1-1/2	2-12	----

FF304C

BULKHEAD LOCKNUT

SAE 520118



PART #	THREAD SIZE	
FSO3064	9/16-18	----
FSO3066	11/16-16	----
FSO3068	13/16-16	----
FSO30612	1-3/16-12	----
FSO30616	1-7/16-12	----

FF403

MALE UNION CONNECTOR

SAE 520102



PART #	TUBE O.D.	FACE SEAL THREAD 1&2	
FSO240344	1/4	9/16-18	----
FSO240366	3/8	11/16-16	----
FSO240388	1/2	13/16-16	----
FSO24031212	3/4	1-3/16-12	----
FSO24031616	1	1-7/16-12	----

FF2403 FF1203

MALE O-RING FACE SEAL ADAPTER



PART #	FACE SEAL THREAD 1	MALE PIPE SIZE 2	
FSO240444	9/16-18	1/4-18	----
FSO240446	9/16-18	3/8	----
FSO240464	11/16-16	1/4-18	----
FSO240466	11/16-16	3/8-18	----
FSO240484	13/16-16	1/4-18	----
FSO240486	13/16-16	3/8	----
FSO240488	13/16-16	1/2-14	----
FSO2404108	1-14	1/2	----
FSO24041212	1-3/16-12	3/4-14	----
FSO24041616	1-7/16-12	1-11/16-12	----
FSO24042020	1-11/16-12	1-1/4	----
FSO24042424	2-12	1-1/2	----

FF2404 4205 FLO

FEMALE ORFS TO MALE ORFS REDUCER



PART #	FEMALE FACE SEAL SIZE 1	MALE FACE SEAL THREAD 2	
FSO240664	11/16-16	9/16-18	----
FSO240684	13/16-16	9/16-18	----
FSO2406106	1-14	11/16-16	----
FSO2406108	1-14	13/16-16	----
FSO2406126	1-3/16-12	11/16-16	----

FF2406 TRLON

O-RING FACE SEAL ADAPTERS

HYDRAULIC ADAPTERS

PLUG



SAE 520109

PART #	TUBE O.D.	FACE SEAL THREAD	
FSO24084	1/4	9/16-18	----
FSO24086	3/8	11/16-16	----
FSO24088	1/2	13/16-16	----
FSO240810	5/8	1-14	----
FSO240812	3/4	1-3/8-12	----
FSO240816	1	1-7/16-12	----
FSO240820	1-1/4	1-11/16-12	----
FSO240824	1-1/2	2-12	----

FF2408 FF1254 4229 PNLO

ORFS UNION ELBOW 90°



PART #	FACE SEAL THREAD 1	FACE SEAL THREAD 2	
FS250044	9/16-18	9/16-18	----
FS250066	11/16-16	11/16-16	----
FS25001010	1-14	1-14	----
FS25001212	1-3/16-12	1-3/16-12	----
FS25001616	1-7/16-12	1-7/16-12	----

FF2500 4505 ELO

ORFS TO MALE ELBOW

SAE 520202



PART #	FACE SEAL THREAD 1	MALE PIPE THREAD 2	
FS250144	9/16-18	1/4	----
FS250164	11/16-16	1/4	----
FS250166	11/16-16	3/8	----
FS250186	13/16-16	3/8	----
FS250188	13/16-16	1/2	----
FS2501812	13/16-16	3/4	----
FS2501108	1-14	1/2	----
FS25011012	1-14	3/4	----
FS2501128	1-3/8-12	1/2	----
FS25011212	1-3/8-12	3/4	----
FS25011216	1-3/8-12	1	----
FS25011616	1-7/16-12	1	----
FS25012020	1-11/16-12	1-1/4	----
FS25012424	2-12	1-1/2	----

FF2501 FF1208 4405 CLO

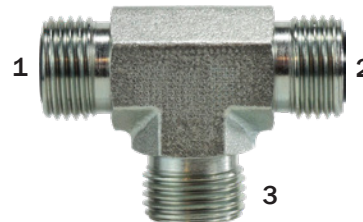
ORFS TO PIPE ELBOW 45°



PART #	FACE SEAL THREAD 1	MALE PIPE THREAD 2	
FS250344	9/16-18	1/4	----
FS250366	11/16-16	3/8	----
FS250388	13/16-16	1/2	----
FS25031212	1-3/16-12	3/4	----
FS25031616	1-7/16-12	1	----

FF2503 4355 VLO

ORFS UNION TEE



PART #	FACE SEAL THREAD 1+2+3	
FS260344	9/16-18	----
FS260366	11/16-16	----
FS260388	13/16-16	----
FS26031212	1-3/16-12	----

MALE FLAT FACE TO FEMALE 37° SWIVEL



PART #	FACE SEAL THREAD 1	JIC THREAD 2	
FS640244	9/16-18	7/16-20	----
FS640266	11/16-16	9/16-18	----
FS640288	13/16-16	3/4-16	----
FS64021010	1-14	7/8-14	----
FS64021212	1-3/16-12	1-1/16-12	----

FF6402 FF1294

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



O-RING FACE SEAL ADAPTERS

HYDRAULIC ADAPTERS

MALE ORFS TO ORB CONNECTOR

SAE 520120



PART #	FACE SEAL THREAD 1	O-RING THREAD 2	
FS6400O44	9/16-18	7/16-20	----
FS6400O46	9/16-18	9/16-18	----
FS6400O64	11/16-16	7/16-20	----
FS6400O66	11/16-16	9/16-18	----
FS6400O68	11/16-16	3/4-16	----
FS6400O86	13/16-16	9/16-18	----
FS6400O88	13/16-16	3/4-16	----
FS6400O810	13/16-16	7/8-14	----
FS6400O108	1-14	3/4-16	----
FS6400O1010	1-14	7/8-14	----
FS6400O1012	1-14	1-1/16-12	----
FS6400O128	1-3/16-12	3/4-16	----
FS6400O1210	1-3/16-12	7/8-14	----
FS6400O1212	1-3/16-12	1-1/16-12	----
FS6400O1216	1-3/16-12	1-5/16-12	----
FS6400O1612	1-7/16-12	1-1/16-12	----
FS6400O1616	1-7/16-12	1-5/16-12	----
FS6400O1620	1-7/16-12	1-5/8-12	----
FS6400O2020	1-11/16-12	1-5/8-12	----
FS6400O2024	1-11/16-12	1-7/8-12	----
FS6400O2424	2-12	1-7/8-12	----

4315 FF6400 FF1231

SWIVEL NUT ELBOW



PART #	FACE SEAL THREAD 1	FACE SEAL THREAD 2	
FS650044	9/16-18	9/16-18	----
FS650066	11/16-16	11/16-16	----
FS650088	13/16-16	13/16-16	----
FS65001212	1-3/16-12	1-3/16-12	----

FF6500 FF1236

MALE JIC 37° FLARE TO FEMALE FLAT FACE SWIVEL



PART #	JIC THREAD SIZE 1	FACE SEAL THREAD 2	
FS650444	7/16-20	9/16-18	----
FS650466	9/16-18	11/16-16	----
FS650488	3/4-16	13/16-16	----
FS65041010	7/8-14	1-14	----
FS65041616	1-5/16-12	1-7/16-12	----

FF6504 FF1296

O-RING ELBOW CONNECTOR



PART #	FACE SEAL THREAD 1	O-RING THREAD 2	
FS680144	9/16-18	7/16-20	----
FS680146	9/16-18	9/16-18	----
FS680164	11/16-16	7/16-20	----
FS680166	11/16-16	9/16-18	----
FS680168	11/16-16	3/4-16	----
FS680186	13/16-16	9/16-18	----
FS680188	13/16-16	3/4-16	----
FS6801810	13/16-16	7/8-14	----
FS6801108	1-14	3/4-16	----
FS68011012	1-14	1-1/16-12	----
FS68011210	1-3/16-12	7/8-14	----
FS68011212	1-3/16-12	1-1/16-12	----
FS68011216	1-3/16-12	1-5/16-12	----
FS68011616	1-7/16-12	1-5/16-12	----
FS68011620	1-7/16-12	1-5/8-12	----
FS68012016	1-11/16-12	1-5/16-12	----
FS68012020	1-11/16-12	1-5/8-12	----
FS68012424	2-12	1-7/8-12	----

FF6801 FF1238 4515

ORFS TO O-RING ELBOW 45°



PART #	FACE SEAL THREAD 1	O-RING SIZE 2	
FS680244	9/16-18	7/16-20	----
FS680266	11/16-16	9/16-18	----
FS680288	13/16-16	3/4-16	----
FS68021010	1-14	7/8-14	----
FS68021212	1-3/16-12	1-1/16-12	----
FS68021616	1-7/16-12	1-5/16-12	----
FS68022020	1-11/16-12	1-5/8-12	----

FF6802 4365 V50LO

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer.
 For more information, visit www.P65Warnings.ca.gov

STEEL BSPT ADAPTERS

HYDRAULIC ADAPTERS

STRAIGHT THREAD SWIVEL NUT ELBOW



PART #	O-RING THREAD 1	FACE SEAL THREAD 2	
FS680944	7/16-20	9/16-18	----
FS680966	9/16-18	11/16-16	----
FS680988	3/4-16	13/16-16	----
FS68091212	1-1/16-12	1-3/16-12	----

FF6809 FF1239 4535 AOELC

STEEL BSPT ADAPTERS

JIC MALE CONNECTOR BSPT



PART #	JIC THREAD SIZE 1	MALE BSPT 2	
700042	7/16-20	1/8-28	----
700044	7/16-20	1/4-19	----
700064	9/16-18	1/4-19	----
700066	9/16-18	3/8-19	----
700068	9/16-18	1/2-14	----
700086	3/4-16	3/8-19	----
700088	3/4-16	1/2-14	----
7000812	3/4-16	3/4-14	----
7000108	7/8-14	1/2-14	----
70001012	7/8-14	3/4-14	----
7000128	1-1/16-12	1/2-14	----
70001212	1-1/16-12	3/4-14	----
70001616	1-5/16-12	1-11	----

3404 305

JIC MALE ELBOW BSPT



PART #	JIC THREAD SIZE 1	MALE BSPT 2	
720042	7/16-20	1/8-28	----
720044	7/16-20	1/4-19	----
720064	9/16-18	1/4-19	----
720066	9/16-18	3/8-19	----
720068	9/16-18	1/2-14	----
720086	3/4-16	3/8-19	----
720088	3/4-16	1/2-14	----
72001212	1-1/16-12	3/4-14	----

3501 315

BSPT HEX NIPPLE



PART #	MALE BSPT 1	MALE BSPT 2	
752022	1/8-28	1/8-28	----
752044	1/4-19	1/4-19	----
752066	3/8-19	3/8-19	----
752088	1/2-14	1/2-14	----
75201010	5/8-14	5/8-14	----
75201212	3/4-14	3/4-14	----

3520 MBT

BSPT PLUG

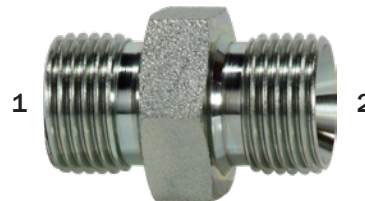


PART #	BSPT	
95082	1/8-28	----
95084	1/4-19	----
95086	3/8-19	----
95088	1/2-14	----
950812	3/4-14	----
950816	1-11	----

100B-Y KA-RM MHL 296

STEEL BSPP ADAPTERS

BSPP HEX NIPPLE



PART #	MALE BSPP 1	MALE BSPP 2	
742022	1/8-28	1/8-28	----
742042	1/4-19	1/8-28	----
742064	3/8-19	1/4-19	----
742066	3/8-19	3/8-19	----
742086	1/2-14	3/8-19	----
742088	1/2-14	1/2-14	----
7420108	5/8-14	1/2-14	----
7420128	3/4-14	1/2-14	----
74201212	3/4-14	3/4-14	----
74201612	1-11	3/4-14	----
74201616	1-11	1-11	----

3420 MB 9022

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



STEEL BSPP ADAPTERS

HYDRAULIC ADAPTERS

BSPP COUPLING



PART #	BSPP	
74252	1/8-28	----
74254	1/4-19	----
74258	1/2-14	----
742510	5/8-14	----
742512	3/4-14	----
742516	1-11	----

3425 FB

JIC TO FEMALE BSPP STRAIGHT SWIVEL



PART #	JIC THREAD SIZE 1	FEMALE BSPP SWIVEL 2	
72404	7/16-20	1/4-19	----
72406	9/16-18	3/8-19	----
72408	3/4-16	1/2-14	----
724010	7/8-14	5/8-14	----
724012	1-1/16-12	3/4-14	----
724016	1-5/16-12	1-11	----

3240 MJFBS

JIC TO BSPP MALE ELBOW



PART #	JIC THREAD SIZE 1	MALE BSPP 2	
7202NWO42	7/16-20	1/8-28	----
7202NWO44	7/16-20	1/4-19	----
7202NWO64	9/16-18	1/4-19	----
7202NWO66	9/16-18	3/8-19	----
7202NWO68	9/16-18	1/2-14	----
7202NWO86	3/4-16	3/8-19	----
7202NWO88	3/4-16	1/2-14	----
7202NWO812	3/4-16	3/4-14	----
7202NWO108	7/8-14	1/2-14	----
7202NWO1212	1-1/16-12	3/4-14	----
7202NWO1216	1-1/16-12	1-11	----
7202NWO1616	1-5/16-12	1-11	----

3801 315

JIC TO BSPP 45° ELBOW



PART #	JIC THREAD SIZE 1	MALE BSPP 2	
78024	7/16-20	1/4-19	----
78026	9/16-18	3/8-19	----
78028	3/4-16	1/2-14	----
780212	1-1/16-12	3/4-14	----
780216	1-5/16-12	1-11	----

3802 35J

BSPP TO MALE PIPE NIPPLE



PART #	MALE BSPP SIZE 1	MALE PIPE THREAD SIZE 2	
78252	1/8-28	1/8	----
78254	1/4-19	1/4	----
78256	3/8-19	3/8	----
78258	1/2-14	1/2	----
782512	3/4-14	3/4	----
782516	1-11	1	----

MBMP 3825

JIC TO BSPP MALE CONNECTOR



PART #	JIC THREAD SIZE 1	MALE BSPP 2	
700242	7/16-20	1/8-28	----
700244	7/16-20	1/4-19	----
700246	7/16-20	3/8-19	----
700248	7/16-20	1/2-14	----
700264	9/16-18	1/4-19	----
700266	9/16-18	3/8-19	----
700268	9/16-18	1/2-14	----
700286	3/4-16	3/8-19	----
700288	3/4-16	1/2-14	----
7002812	3/4-16	3/4-14	----
7002108	7/8-14	1/2-14	----
70021212	1-1/16-12	3/4-14	----
70021216	1-1/16-12	1-11	----
70021616	1-5/16-12	1-11	----

30J 3800

STEEL BSPP ADAPTERS

HYDRAULIC ADAPTERS

JIC TO BSPP STRAIGHT SWIVEL



PART #	JIC THREAD SIZE 1	MALE BSPP 2	
702242	7/16-20	1/8-28	----
702244	7/16-20	1/4-19	----
702266	9/16-18	3/8-19	----
702288	3/4-16	1/2-14	----
7022108	7/8-14	1/2-14	----
70221212	1-1/16-12	3/4-14	----
70221616	1-5/16-12	1-11	----

3402 3055

HEX HEAD PLUG BSPP



PART #	MALE BSPP	
9522P2	1/8-28	----
9522P4	1/4-19	----
9522P6	3/8-19	----
9522P8	1/2-14	----
9522P12	3/4-14	----
9522P16	1-11	----

3408

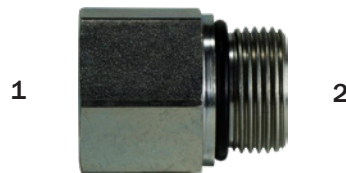
HOLLOW HEX PLUG BSPP



PART #	MALE BSPP	
9522H2	1/8-28	----
9522H4	1/4-19	----
9522H6	3/8-19	----
9522H8	1/2-14	----
9522H12	3/4-14	----
9522H16	1-11	----

3408 HHP

FEMALE ADAPTER BSPP



PART #	FEMALE PIPE 1	MALE BSPP 2	
704222	1/8	1/8-28	----
704242	1/4	1/8-28	----
704244	1/4	1/4-19	----
704266	3/8	3/8-19	----
704288	1/2	1/2-14	----
70421212	3/4	3/4-14	----
70421616	1	1-11	----

3455 MMFP

STEEL METRIC ADAPTERS

MALE CONNECTOR



PART #	JIC THREAD SIZE 1	METRIC THREAD 2	
7005410	7/16-20	10x1.0	----
7005412	7/16-20	12x1.5	----
7005414	7/16-20	14x1.5	----
7005418	7/16-20	18x1.5	----
7005512	1/2-20	12x1.5	----
7005514	1/2-20	14x1.5	----
7005614	9/16-18	14x1.5	----
7005616	9/16-18	16x1.5	----
7005618	9/16-18	18x1.5	----
7005816	3/4-16	16x1.5	----
7005818	3/4-16	18x1.5	----
7005822	3/4-16	22x1.5	----
70051018	7/8-14	18x1.5	----
70051020	7/8-14	20x1.5	----
70051022	7/8-14	22x1.5	----
70051222	1-1/16-12	22x1.5	----

Port-seal crush washer and O-ring included

7400 30J (R) 7011

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



STEEL METRIC ADAPTERS

HYDRAULIC ADAPTERS

MALE ELBOW



PART #	JIC THREAD SIZE 1	METRIC THREAD 2	
7205NWO410	7/16-20	10x1.0	----
7205NWO412	7/16-20	12x1.5	----
7205NWO414	7/16-20	14x1.5	----
7205NWO512	1/2-20	12x1.5	----
7205NWO614	9/16-18	14x1.5	----
7205NWO616	9/16-18	16x1.5	----
7205NWO816	3/4-16	16x1.5	----
7205NWO818	3/4-16	18x1.5	----
7205NWO822	3/4-16	22x1.5	----
7205NWO1018	7/8-14	18x1.5	----

Port-seal crush washer and O-ring included

7801 315 (R)



PART #	JIC THREAD SIZE 1	METRIC THREAD 2	
7025410	7/16-20	10x1.0	----
7025412	7/16-20	12x1.5	----
7025512	1/2-20	12x1.5	----
7025614	9/16-18	14x1.5	----
7025616	9/16-18	16x1.5	----
7025816	3/4-16	16x1.5	----
70251022	7/8-14	22x1.5	----
70251227	1-1/16-12	27x2.0	----
70251633	1-5/16-12	33x2.0	----

7402 30JS (R)

HEX HEAD PLUG METRIC PARALLEL



PART #	METRIC THREAD	
8555P10	10x1.0	----
8555P12	12x1.5	----
8555P14	14x1.5	----
8555P16	16x1.5	----
8555P18	18x1.5	----
8555P20	20x1.5	----
8555P22	22x1.5	----
8555P26	26x1.5	----
8555P30	30x1.5	----

7408

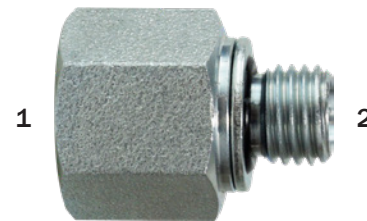
HOLLOW HEX HEAD PLUG



PART #	METRIC THREAD	
8555H10	10x1.0	----
8555H12	12x1.5	----
8555H14	14x1.5	----
8555H16	16x1.5	----
8555H18	18x1.5	----
8555H20	20x1.5	----
8555H22	22x1.5	----
8555H26	26x1.5	----
8555H30	30x1.5	----

7408 HHP

FEMALE ADAPTER



PART #	FEMALE PIPE THREAD 1	METRIC THREAD 2	
7045210	1/8	10x1.0	----
7045412	1/4	12x1.5	----
7045414	1/4	14x1.5	----
7045612	3/8	12x1.5	----
7045616	3/8	16x1.5	----
7045618	3/8	18x1.5	----
7045816	1/2	16x1.5	----
7045818	1/2	18x1.5	----
7045822	1/2	22x1.5	----
70451227	3/4	27x2.0	----
70451633	1	33x2.0	----

MMFP (R)

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov

ISO A AND B INTERCHANGE

HYDRAULIC ADAPTERS



- Brass Body
- Steel Wing Nut
- Buna-Seal (-40° to +250°F)

Aeroquip 5100
Parker 6100
Snaptite B78



- Bonded Face Seal
- External ORing Alleviates Full Connection

PART #	BODY SIZE	FEMALE NPT	MAX PSI		PART #	BODY SIZE	FEMALE NPT	MAX PSI	
61150	3/4	1/2	3000	----	61050	3/4	1/2	3000	----
61152	3/4	3/4	3000	----	61052	3/4	3/4	3000	----
61153	1	1	3000	----	61053	1	1	3000	----
61154	1-1/4	1-1/4	2750	----	61054	1-1/4	1-1/4	2750	----

FEATURES - ISO A and ISO B

- Poppet valves to prevent uncoupled leakage
- Critical parts are induction hardened for durability
- Dependable ball-locking mechanism holds the mating halves together
- Socket and plug are precision machined from solid barstock
- Standard nitrile seals temp range -40°F to +250°F



ISO-A FEMALE PIPE COUPLER

PART #	BODY SIZE	NPT	
ANV14F	1/4"	1/4"	----
ANV38F	3/8"	3/8"	----
ANV12F	1/2"	1/2"	----
ANV34F	3/4"	3/4"	----
ANV1F	1"	1"	----

Body Size	ISO 7241-1 ISO-A Interchange (Connected)			
	Steel Coupler/ Plug			
	Maximum Working		Burst	
	PSI	Bar	PSI	Bar
1/4"	5,000	345	18,270	1,200
3/8"	4,000	275	18,270	1,200
1/2"	4,000	275	16,500	1,100
3/4"	4,000	275	14,800	1,000
1"	4,000	275	12,400	850

ISO-A FEMALE PIPE PLUG

PART #	BODY SIZE	NPT	
ANV14M	1/4"	1/4"	----
ANV38M	3/8"	3/8"	----
ANV12M	1/2"	1/2"	----
ANV34M	3/4"	3/4"	----
ANV1M	1"	1"	----

INTERCHANGE DATA:

- Parker 6600, Aeroquip/ Eaton FD56, Dixon 'K' Series.
- Hansen HA 15000, Safeway S56



Body Size	ISO 7241-1 Series B ISO-B Interchange (Connected)							
	Steel Coupler/ Plug				Brass Coupler/ Plug			
	Max. Working		Burst		Max. Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
1/4"	5,000	345	22,500	1,550	3,000	200	15,000	1,000
3/8"	4,000	275	16,500	1,150	2,500	175	12,000	800
1/2"	4,000	275	16,000	1,100	2,500	175	11,500	750
3/4"	4,000	275	16,500	1,150	2,000	150	12,000	800
1"	4,000	275	16,000	1,100	1,500	100	8,500	800

INTERCHANGE DATA:

- Parker 60 Series, Snap-tite 72 series, Dixon 'H' series
- Hansen HK - series, Aeroquip/ Eaton FDH5

ISO-B FEMALE PIPE COUPLER

PART #	BODY SIZE	NPT	
HNV14F	1/4"	1/4"	----
HNV14FB	1/4"	1/4"	----
HNV38F	3/8"	3/8"	----
HNV38FB	3/8"	3/8"	----
HNV12F	1/2"	1/2"	----
HNV12FB	1/2"	1/2"	----
HNV34F	3/4"	3/4"	----
HNV34FB	3/4"	3/4"	----



B=BRASS



BRASS - HNV SERIES PLUG



BRASS - HNV SERIES COUPLER

ISO-B FEMALE PIPE PLUG

PART #	BODY SIZE	NPT	
HNV14M	1/4"	1/4"	----
HNV14MB	1/4"	1/4"	----
HNV38M	3/8"	3/8"	----
HNV38MB	3/8"	3/8"	----
HNV12M	1/2"	1/2"	----
HNV12MB	1/2"	1/2"	----
HNV34M	3/4"	3/4"	----
HNV34MB	3/4"	3/4"	----



WARNING: This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov

FLUSH FACE ISO

HYDRAULIC ADAPTERS

FEATURES

- Steel construction, zinc plated trivalent finish. Hardened Nipples and sleeves and solid barstock construction for maximum resistance to damage from hydraulic and mechanical shock.
- This Anti-Blowout Nitrile/ PTFE bonded seal is designed to prevent blow out or damage during severe service conditions.
- Durable ball-locking mechanism assures reliable connection everytime.
- Temp Range -65° to +250°

ISO 16028

Body Size	FLUSH FACE			
	Steel Coupler/ Plug Coupled			
	Maximum Working		Burst	
	PSI	Bar	PSI	Bar
1/4"	5,000	345	18,270	1,200
3/8"	4,000	275	18,270	1,200
1/2"	4,000	275	16,500	1,100
5/8"	4,000	275	14,800	1,000
3/4"	4,000	275	12,400	850
1"	3,000	200	12,600	850

FF Series
HTMC
74C



FEMALE PIPE COUPLER

PART #	BODY SIZE	NPT	
FF14F	1/4"	1/4"	----
FF38F	3/8"	3/8"	----
FF12F	1/2"	1/2"	----
FF3812F	3/8"	1/2"	----
FF1234F	1/2"	3/4"	----
FF3416F	3/4"	1"	----
FF34F	3/4"	3/4"	----
FF-1-F	1"	1"	----

FF Series
HTMN
74N



FEMALE PIPE PLUG

PART #	BODY SIZE	NPT	
FF14M	1/4"	1/4"	----
FF38M	3/8"	3/8"	----
FF12M	1/2"	1/2"	----
FF3812M	3/8"	1/2"	----
FF1234M	1/2"	3/4"	----
FF3416M	3/4"	1"	----
FF34M	3/4"	3/4"	----
FF1M	1"	1"	----

FLAT FACE THREAD LOCK - VEP QUICK COUPLING

SPECIFICATIONS

BODY SIZE (IN)	1/2(12)	3/4(34)	1(1)	1-1/2(24)
Rated Pressure (PSI)	7000	7000	6000	5000
Rated Flow (GPM)	12	50	88	152
Temperature Range	-20°C +120°C			

Standard seal material is **NBR**

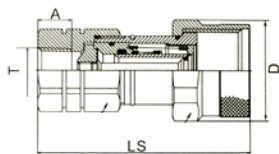
Test Fluid-Oil = 200 SUS

APPLICATIONS

- Widely used in public equipment
- Portable construction equipment.
- Hydraulic tools
- Vehicles

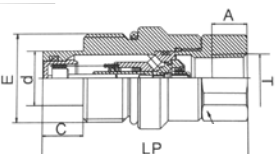
FEATURES

- New valve design provides better resistance from high flow and the pressure of impulse, thus providing advanced performance.
- Special nipple design for connecting under pressure, allows connection and disconnection with high residual pressures.
- The LSQ-VEP series employs a threaded sleeve locking mechanism, mates with matching male threads on the coupler.
- New plating treatment provides advanced anti-rust performance.
- LSQ-VEP series couplings employ flush valving when connecting or disconnecting, therefore only a small amount of fluid can be lost during disconnecting or air inclusion during reconnection.
- The Anti-Blowout bonded seal is designed to prevent blow-out or damage during severe service conditions.
- Machined form solid steel barstock for durability. Compatible with most other VEP series.
- O-Ring SAE Boss Thread available with import lead time (same list price)



FEMALE COUPLER

PART #	LS	D	A	NPT	
LSQVEP12SF	4.09	1.13	0.67	1/2	----
LSQVEP34SF	4.49	2.13	0.79	3/4	----
LSQVEP1SF	5.28	2.33	0.83	1	----
LSQVEP20SF	5.71	2.72	0.83	1-1/4	----
LSQVEP24SF	7.41	3.63	0.83	1-1/2	----



FEMALE PLUG

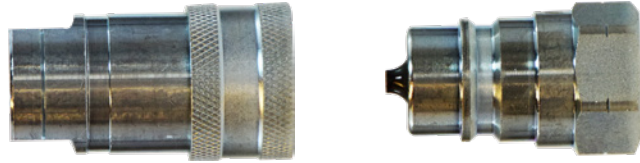
PART #	LS	D	A	NPT	
LSQVEP12PF	4.09	1.13	0.67	1/2	----
LSQVEP34PF	4.49	2.13	0.79	3/4	----
LSQVEP1PF	5.28	2.33	0.83	1	----
LSQVEP20PF	5.71	2.72	0.83	1-1/4	----
LSQVEP24PF	7.41	3.63	0.83	1-1/2	----

QUICK DISCONNECT - HYDRAULIC JACK

HYDRAULIC ADAPTERS

Nominal Size	Steel Coupler/ Plug			
	Maximum Working		Burst	
	PSI	Bar	PSI	Bar
1/4"	4,000	275	21,000	1,500
3/8"	4,000	275	23,100	1,600
1/2"	4,000	275	16,500	1,100
3/4"	3,000	200	10,300	700
1"	3,000	200	13,000	900

Snap-Tite 60 Series



FEMALE PIPE COUPLER				FEMALE PIPE PLUG			
Part #	Body Size	NPT		Part #	Body Size	NPT	
NV14F	1/4"	1/4"	----	NV14M	1/4"	1/4"	----
NV38F	3/8"	3/8"	----	NV38M	3/8"	3/8"	----
NV12F	1/2"	1/2"	----	NV12M	1/2"	1/2"	----
NV34F	3/4"	3/4"	----	NV34M	3/4"	3/4"	----
NV1F	1"	1"	----	NV1M	1"	1"	----

FEATURES

- Heavy duty heat treated poppet: valves are standard with rugged, specially-designed seals made of nitrite for leak-free performance in the toughest application.
- High-strength steel valve guides designed for high flow rates and made extra tough for agricultural service.
- Dependable hardened chrome alloy steel locking balls. Heat treated plugs and sleeves.
- Standard seals temp range -40°F to +250°F

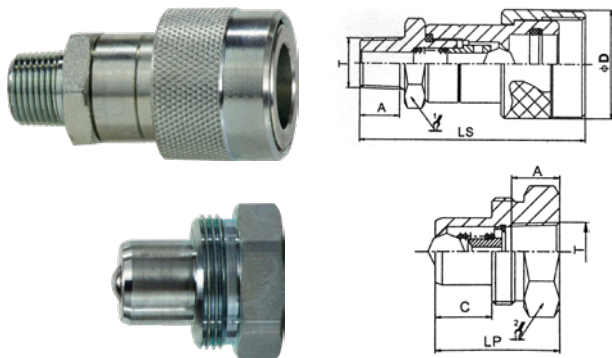
THREAD LOCK HYDRAULIC JACK COUPLING

SPECIFICATIONS

Body Size	1/4(14)	3/8(38)
Rated Pressure	10,000	
Rated Flow (GPM)	3	6
Temperature Range	-20°C +120°C	
Standard seal material is NBR		

APPLICATIONS

- Thread lock couplings with their threaded union locking system and precision ball-type check valves are designed for extreme high pressure applications such as portable hydraulic jacks.
- **Ball Type.**



MALE COUPLER

PART #	LS	D	HEX	A	NPT	
KZEB14SM	2.40	1.14	0.87	0.55	1/4	----
KZEB38SM	2.91		0.98	0.57	3/8	----

FEMALE COUPLER

PART #	LS	D	HEX	A	NPT	
KZEB14PF	1.30	0.44	0.75	0.51	1/4	----
KZEB38PF	1.38	0.63	1.26	0.55	3/8	----

WARNING: This product can expose you to chemicals, including Cobalt, which are known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov



HYDRAULIC FLOW CONTROL/ NEEDLE VALVES

HYDRAULIC ADAPTERS

MM-FC SERIES FLOW CONTROL VALVES

FEATURES:

- Micrometer adjustment knob for accurate valve setting.
- Rugged construction.

TECHNICAL DATA:

• Materials

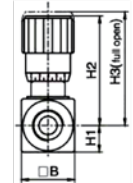
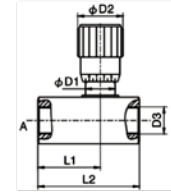
Body: Carbon steel w/ black oxide plating
 Handle: Zinc Alloy
 Set Screw: Steel
 Packing: Buna O-Ring/ PTFE stem packing

Maximum Pressure: 5000PSI
 Temperature Ratings: -4°F to 176°F (-20°C to 80°C)
 Flow Rate: 0-42 GPM



INLET

<< FREE FLOW



Part#	B	D1	D2	D3	H1	H2	H3	L1	L2	WEIGHT (lbs)	
MMFC4NPT	1.10	0.76	1.18	1/4 NPT	0.55	2.41	2.67	1.54	2.52	0.90	----
MMFC6NPT	1.10	0.76	1.18	3/8 NPT	0.55	2.41	2.67	1.69	2.75	0.90	----
MMFC8NPT	1.50	0.95	1.46	1/2 NPT	0.75	3.07	3.41	2.05	3.27	2.00	----
MMFC12NPT	1.50	0.95	1.46	3/4 NPT	0.75	3.08	3.41	2.19	3.50	2.00	----
MMFC16NPT	1.89	1.38	1.89	1 NPT	0.94	4.03	4.50	2.79	4.60	4.20	----
MMFC20NPT	2.38	1.96	2.28	1-1/4 NPT	1.18	5.25	5.88	3.39	6.07	9.55	----

MM-NV SERIES NEEDLE VALVES

FEATURES:

- Micrometer adjustment knob for accurate valve setting.
- Rugged construction.

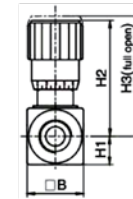
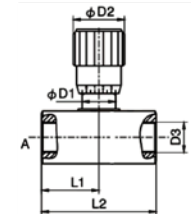
TECHNICAL DATA:

• Materials

Body: Carbon steel w/ black oxide plating
 Handle: Zinc Alloy
 Set Screw: Steel
 Packing: Buna O-Ring/ PTFE stem packing

Maximum Pressure: 5000PSI
 Temperature Ratings: -4°F to 176°F (-20°C to 80°C)
 Flow Rate: 0-42 GPM

• FULL SHUT-OFF



Part#	B	D1	D2	D3	H1	H2	H3	L1	L2	WEIGHT (lbs)	
MMNV4NPT	1.10	0.76	1.18	1/4 NPT	0.55	2.41	2.67	1.07	2.13	0.90	----
MMNV6NPT	1.10	0.76	1.18	3/8 NPT	0.55	2.41	2.67	1.07	2.13	0.90	----
MMNV8NPT	1.50	0.95	1.46	1/2 NPT	0.75	3.07	3.41	1.34	2.38	2.00	----
MMNV12NPT	1.50	0.95	1.46	3/4 NPT	0.75	3.08	3.41	1.54	3.09	2.00	----
MMNV16NPT	1.89	1.38	1.89	1 NPT	0.94	4.03	4.50	1.81	3.62	4.20	----

WARNING: This product can expose you to chemicals, including cobalt, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



HYDRAULIC FLOW CONTROL/ BREATHERS

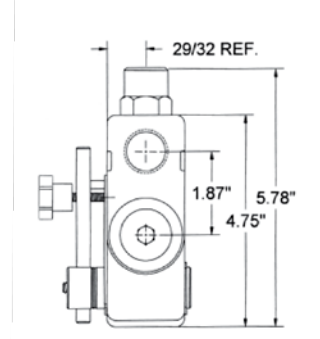
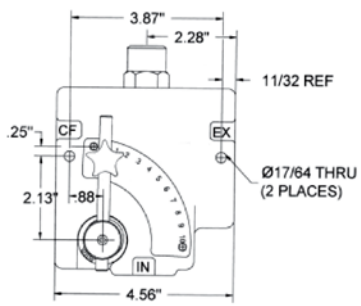
HYDRAULIC ADAPTERS

PRESSURE COMPENSATING VARIABLE FLOW CONTROL

FEATURES:

MFC-51 model is a full range pressure compensating variable flow control. It is designed so that the orifice area varies as the lever is rotated. The outlet flow is smooth and constant regardless of the pressure on the control flow or excess flow ports. An adjustable ball spring relief allows for pressure compensated flow up to the pressure setting on the relief. Relief valves are preset at 1500 PSI and field adjustable from 750 to 3000 PSI.

- Materials: Cast Iron Body, Heat Treated Compensator Spool, Stainless Steel Rotary Spool, Buna N "O" Rings (Standard)
- **ALL ARE STANDARD FLOW CONTROL**
- **ALL HAVE ADJUSTABLE BALL SPRING RELIEF**
- **SAE PORT AVAILABLE. MINIMUM ORDER REQUIRED**



Part#	Size	Flow	
MFC38N	3/8" - NPT	0-8 gpm	----
MFC12N	1/2" - NPT	0-16 gpm	----
MFC34N	3/4" - NPT	0-30 gpm	----

SCREW-ON TYPE AIR BREATHERS



- **Chrome Plated Steel**
- **1/4 To 1 Inch NPT**
- **40 Micron Breather**

PART NUMBER	FLOW CFM	NPT	
MB4004	10	1/4	----
MB4006	10	3/8	----
MB4008	10	1/2	----
MB4012	25	3/4	----
MB4016	25	1	----

WARNING: This product can expose you to chemicals, including Chromium, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov



FLANGE ADAPTERS

HYDRAULIC ADAPTERS

STEEL FLANGE ADAPTERS

CONFORMANCE

- SAE J518

MATERIALS

- Steel per SAE J518 with either black phosphate finish or plated zinc finish or iridite dip. Stainless Steel available upon request.

WORKING PRESSURES

The following table lists the recommended working pressures for steel Four-bolt Solid and Split Flange Fittings and Hose Ends manufactured in accordance with SAE standards J518 and J517. SAE recommends sufficient testing to be conducted to assure that performance levels will be safe and satisfactory, especially if installed in systems operating at elevated pressures or in severe conditions. When using Flanged Fittings that have a threaded connection on one end, use the lower pressure rating of the two.

Caution: Although many Four-bolt Flanged Fittings have sufficient structural integrity to support the weight of many components, we recommend consulting with our technical support department for guidance in selection of parts for this purpose.

SAE J518 FOUR-BOLT CODE 61 FLANGE PRESSURE RATINGS

Dash Size	Flange Head OD Inches	4 TO 1 Minimum Burst PSI
-8	1-3/16 - 1.188	5000
-12	1-1/2 - 1.500	5000
-16	1-3/4 - 1.750	5000
-20	2 - 2.000	4000
-24	2-3/8 - 2.375	3000
-32	2-13/16 - 2.812	3000
-40	3-5/16 - 3.312	2500
-48	4 - 4.000	2000
-56	4-1/2 - 4.500	500
-64	5 - 5.000	500
-80	6 - 6.000	500

SAE J518 FOUR-BOLT CODE 62 FLANGE PRESSURE RATINGS

Dash Size	Flange Head OD Inches	4 TO 1 Minimum Burst PSI
-8	1-1/4 - 1.250	6000
-12	1-5/8 - 1.625	6000
-16	1-7/8 - 1.875	6000
-20	2-1/8 - 2.125	6000
-24	2-1/2 - 2.500	6000
-32	3-1/8 - 3.125	6000

STEEL FLANGE ADAPTERS ASSEMBLY INSTRUCTIONS

RECOMMENDED SOLID FOUR-BOLT

- Inspect port area to be smooth and free of nicks, burrs, scratches, or contaminants.
- Lubricate the o-ring and place in flange head groove.
- Lubricate screw threads, slip lock washers onto screws, and insert screws into flange.
- Position flange on port and finger tighten all screws.
- Torque the screws in a figure eight sequence, incrementally until the appropriate torque value in the following table is achieved.

J518 CODE 61 AND CODE 62 FLANGE MINIMUM TORQUE VALUES

Dash Size	Port Size	Code 61 Foot/Lbs.	Code 62 Foot/Lbs.
-8	1/2"	15-19	15-19
-12	3/4"	20-29	25-33
-16	1"	27-35	41-50
-20	1-1/4"	35-46	62-75
-24	1-1/2"	46-58	116-133
-32	2"	53-67	200-217
-40	2-1/2"	79	NA
-48	3"	137	NA
-56	3-1/2"	116	NA
-64	4"	116	NA
-80	5"	116	NA

RECOMMENDED SPLIT FOUR-BOLT

- Follow steps 1 through 3 above, then proceed to the following steps.
- Position both flanges on port and turn one screw in each flange about three turns.
- Rotate each flange away from the port for sufficient clearance to position hose or fitting flange head on port.
- Close each flange until it properly captures flange head. Insert remaining screws and finger tighten.
- Torque the screws in a figure eight sequence incrementally until the appropriate torque value in the preceding table is achieved.

WHY WET TORQUE?

Due to the difference in plating types and thickness, materials, and thread quality of different components, the coefficient of friction varies greatly on any given assembly. Lubrication not only produces a more consistent coefficient of friction, it increases clamping force on sealing area with less torque on the threads. Overtightening causes threads to yield, deform and lose their ability to maintain an adequate load or clamping force on the seating area. Extended operation and severe conditions cause further yielding which results in leaks. Overtightening is the single greatest cause for leaks in metal to metal seat hydraulic connections. It is our firm position, that to not wet torque, is to compromise consistency and quality for convenience.

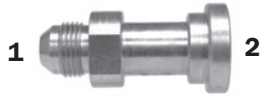
FLANGE ADAPTERS

HYDRAULIC ADAPTERS

JIC FLANGE ADAPTER

CODE 61

6840
503



3000 PSI

PART #	JIC THREAD SIZE 1	FLANGE SIZE 2	
170088	3/4-16	1/2	----
1700812	3/4-16	3/4	----
17001212	1-1/16-12	3/4	----
17001216	1-1/16-12	1	----
17001616	1-5/16-12	1	----
17001620	1-5/16-12	1-1/4	----
17001624	1-5/16-12	1-1/2	----
17002016	1-5/8-12	1	----
17002020	1-5/8-12	1-1/4	----
17002032	1-5/8-12	2	----
17002424	1-7/8-12	1-1/2	----
17003232	2-1/2-12	2	----
17002024	1-5/8-12	1-1/2	----
17002420	1-7/8-12	1-1/4	----
17001612	1-5/16-12	3/4	----
17002432	1-7/8-12	2	----

6840 503

JIC FLANGE 450 ADAPTER

CODE 61

6845
505



3000 PSI

Part #	JIC Thread Size 1	Flange Size 2	
170388	3/4-16	1/2	----
1703812	3/4-16	3/4	----
17031212	1-1/16-12	3/4	----
17031216	1-1/16-12	1	----
17031616	1-5/16-12	1	----
17031620	1-5/16-12	1-1/4	----
17032016	1-5/8-12	1	----
17032020	1-5/8-12	1-1/4	----
17032024	1-5/8-12	1-1/2	----
17033232	2-1/2-12	2	----
17032420	1-7/8-12	1-1/4	----
17032424	1-7/8-12	1-1/2	----
17032432	1-7/8-12	2	----
17031612	1-5/16-12	3/4	----

6845 505

JIC FLANGE 90° ADAPTER

CODE 61



3000 PSI

Part #	JIC Thread Size 1	Flange Size 2	
170488	3/4-16	1/2	----
1704812	3/4-16	3/4	----
17041016	7/8-14	1	----
17041212	1-1/16-12	3/4	----
17041216	1-1/16-12	1	----
17041220	1-1/16-12	1-1/4	----
17041612	1-5/16-12	3/4	----
17041616	1-5/16-12	1	----
17041620	1-5/16-12	1-1/4	----
17041624	1-5/16-12	1-1/2	----
17042016	1-5/8-12	1	----
17042020	1-5/8-12	1-1/4	----
17042024	1-5/8-12	1-1/2	----
17042420	1-7/8-12	1-1/4	----
17042432	1-7/8-12	2	----
17043232	2-1/2-12	2	----
17042032	1-5/8-12	2	----
17042424	1-7/8-12	1-1/2	----

6890 504

JIC FLANGE ADAPTER

CODE 62



6000 PSI

Part #	JIC Thread Size 1	Flange Size 2	
180088	3/4-16	1/2	----
18001212	1-1/16-12	3/4	----
18001216	1-1/16-12	1	----
18001616	1-5/16-12	1	----
18001620	1-5/16-12	1-1/4	----
18002016	1-5/8-12	1	----
18002020	1-5/8-12	1-1/4	----
18002024	1-5/8-12	1-1/2	----
18002424	1-7/8-12	1-1/2	----
18003232	2-1/2-12	2	----
18001612	1-5/16-12	3/4	----
18001624	1-5/16-12	1-1/2	----
18002420	1-7/8-12	1-1/4	----

6842

FLANGE ADAPTERS

HYDRAULIC ADAPTERS

JIC FLANGE 45° ADAPTER

CODE 62



6000 PSI

PART #	JIC THREAD SIZE 1	FLANGE SIZE 2	
18031212	1-1/16-12	3/4	----
18031216	1-1/16-12	1	----
18031616	1-5/16-12	1	----
18031620	1-5/16-12	1-1/4	----
18032016	1-5/8-12	1	----
18032020	1-5/8-12	1-1/4	----
18032024	1-5/8-12	1-1/2	----
18032424	1-7/8-12	1-1/2	----
18033232	2-1/2-12	2	----
18031612	1-5/16-12	3/4	----
18031624	1-5/16-12	1-1/2	----
18032420	1-7/8-12	1-1/4	----

6847 508

JIC FLANGE 90° ADAPTER - CODE 62



6000 PSI

PART #	JIC THREAD SIZE 1	FLANGE SIZE 2	
18041212	1-1/16-12	3/4	----
18041216	1-1/16-12	1	----
18041616	1-5/16-12	1	----
18041620	1-5/16-12	1-1/4	----
18042016	1-5/8-12	1	----
18042020	1-5/8-12	1-1/4	----
18042024	1-5/8-12	1-1/2	----
18042424	1-7/8-12	1-1/2	----
18043232	2-1/2-12	2	----
18041612	1-5/16-12	3/4	----
18041624	1-5/16-12	1-1/2	----
18042420	1-7/8-12	1-1/4	----

6842

SPLIT FLANGE PLUG - CODE 61



3000 PSI

PART #	FLANGE SIZE	
196112	3/4	----
196116	1	----
196120	1-1/4	----
196124	1-1/2	----
196132	2	----

6861P

SPLIT FLANGE PLUG

CODE 62

6862P



6000 PSI

PART #	FLANGE SIZE	
196212	3/4	----
196216	1	----
196220	1-1/4	----
196224	1-1/2	----
196232	2	----

6862P

SPLIT FLANGE KIT

CODE 61

SFK



3000 PSI

PART #	FLANGE SIZE	FLANGE HEAD DIA.	
190112	3/4	1.50	----
190116	1	1.75	----
190120	1-1/4	2.00	----
190124	1-1/2	2.38	----
190132	2	2.81	----

SPLIT FLANGE KIT

CODE 62

SFXK



6000 PSI

PART #	FLANGE SIZE	FLANGE HEAD DIAMETER	
190212	3/4	1.63	----
190216	1	1.88	----
190220	1-1/4	2.12	----
190224	1-1/2	2.50	----
190232	2	3.12	----

FLANGE ADAPTERS

HYDRAULIC ADAPTERS

**SPLIT FLANGE HALF
CODE 61**

SF



3000 PSI

PART #	FLANGE SIZE	FLANGE HEAD DIAMETER	
206112	3/4	1.50	----
206116	1	1.75	----
206120	1-1/4	2.00	----
206124	1-1/2	2.38	----
206132	2	2.81	----

**SPLIT FLANGE HALF
CODE 62**

SFX



6000 PSI

PART #	FLANGE SIZE	FLANGE HEAD DIAMETER	
206212	3/4	1.63	----
206216	1	1.88	----
206220	1-1/4	2.12	----
206224	1-1/2	2.50	----
206232	2	3.12	----

**PIPE THREAD FLANGE PAD
CODE 61**

W43



3000 PSI

PART #	PIPE SIZE	
226188	1/2	----
2261212	3/4	----
22611616	1	----
22612020	1-1/4	----
22612424	1-1/2	----
22613232	2	----

**PIPE THREAD FLANGE PAD
CODE 62**

W44



6000 PSI

PART #	PIPE SIZE	
22621212	3/4	----
22621616	1	----
22622020	1-1/4	----
22622424	1-1/2	----
22623232	2	----

**O-RING FLANGE PAD
CODE 61**

W46



3000 PSI

PART #	O-RING THREAD SIZE	PAD SIZE	
23611212	1-1/16-12	3/4	----
23611616	1-5/16-12	1	----
23612020	1-5/8-12	1-1/4	----
23612424	1-7/8-12	1-1/2	----

**O-RING FLANGE PAD
CODE 62**

W48



6000 PSI

PART #	O-RING THREAD SIZE	PAD SIZE	
23621212	1-1/16-12	3/4	----
23621616	1-5/16-12	1	----
23622020	1-5/8-12	1-1/4	----
23622424	1-7/8-12	1-1/2	----

STAINLESS STEEL ADAPTERS

316 STAINLESS STEEL ADAPTERS

STAINLESS STEEL ADAPTERS

PIPE SWIVELS



JIC FITTINGS



BULKHEAD FITTINGS



PIPE FITTINGS



SAE O-RING BOSS



JIC FEMALE SWIVELS



HOSE CRIMP FITTINGS



ALL MALE THREADS SHIPPED WITH PROTECTIVE COVER



STAINLESS ADAPTERS

TECHNICAL INFORMATION**316 STAINLESS STEEL ADAPTERS****PRESSURE RATINGS**

The hydraulic tube fittings represented by Stainless Adapters Inc. conform to the performance requirements specified in SAE J514, SAE J518, SAE J1453, SAE J1926/ISO 11926 and related standards.

The working pressure ratings listed below are based on a 4:1 design factor for minimum burst. As specified in SAE J514, these are dynamic pressure ratings and the fittings are capable of passing a cyclic endurance (impulse) test for one million cycles at 133 % of the corresponding working pressure.

The rated working pressure for any fitting is based on the lowest pressure rated fitting end. For example, a fitting may include one -4 (1/4") male 37-degree tube end and one -6 (3/8") male pipe end. From the tables below, the rated working pressure for the -4 male 37-degree tube end is 34.5 MPa (5,000 psi) and the rated working pressure of the -6 (3/8") male pipe end is 21 MPa (3,000 psi). The rated working pressure of the fitting would be 21 MPa (3,000 psi).

For proper performance, the design of any hydraulic system should take into consideration the rated working pressures for each of the components of the system, including standard ratings for hose and tubing components and assemblies. For any application, testing should be performed to assure safe and satisfactory performance.

Pressure Ratings for Fittings With NPTF Pipe Threads and Adapter Unions							
Nominal Pipe Size		Thread Size		Working Pressures			
Nom SAE Dash Size	Nom Inch Pipe O.D.	Dryseal Pipe Thread (NPTF ¹) Male and Female	Straight Pipe Thread (NPSM ²) Female Swivels	Fittings With NPTF Pipe Threads		Adapter Unions	
				MPa	psi	MPa	psi
-2	1/8	1/8-27	1/8-27	34.5	5,000	34.5	5,000
-4	1/4	1/4-18	1/4-18	27.5	4,000	34.5	5,000
-6	3/8	3/8-18	3/8-18	21	3,000	27.6	4,000
-8	1/2	1/2-14	1/2-14	21	3,000	24.1	3,500
-12	3/4	3/4-14	3/4-14	17	2,500	15.5	2,250
-16	1	1-11-1/2	1-11-1/2	14	2,000	13.8	2,000
-20	1 1/4	1-1/4-11-1/2	1-1/4-11-1/2	8	1,150	11.2	1,625
-24	1 1/2	1-1/2-11-1/2	1-1/2-11-1/2	7	1,000	8.6	1,250
-32	2	2-11-1/2	2-11-1/2	7	1,000	7.8	1,125

1) Dryseal American Standard Taper Pipe Thread

2) American Standard Straight Pipe Thread for Mechanical Joints

■ Temperature Rating

Material	Identify	Max. Temperature °F(°C)
316 Stainless Steel	SS	1000(537)
Brass	B	400(204)
Carbon Steel	C	375(190)



USE OUR TEXT LINE [855-609-3729](tel:855-609-3729) TO COMMUNICATE WITH MIDLAND MORE CONVENIENTLY

TECHNICAL INFORMATION

316 STAINLESS STEEL ADAPTERS

Pressure Ratings

37° Flare SAE J514

Allowable Working Pressure Ratings (Capable of 4 to 1 Min. Burst)

Nom.SAE Dash Size	Nom.Tube O.D Inches	37°Flare Straight Thread	Nom.Pipe Size	SAE St. Threads Union and Bulkhead (psi)	Fittings with Pipe Threads (psi)
2	1/8	5/16" - 24	1/8"	5000	5000
3	3/16	3/8" - 24	1/8"	5000	5000
4	1/4	7/16" - 20	1/8"	5000	5000
5	5/16	1/2" - 20	1/8"	5000	5000
6	3/8	9/16" - 18	1/4"	5000	5000
8	1/2	3/4" - 16	3/8"	4500	4000
10	5/8	7/8" - 14	1/2"	3500	3000
12	3/4	1 1/16" - 12	3/4"	3500	3000
14	7/8	1 3/16" - 12	3/4"	3000	2500
16	1	1 5/16" - 12	1"	3000	2000
20	1 1/4	1 5/8" - 12	1 1/4"	2500	1150
24	1 1/2	1 7/8" - 12	1 1/2"	2000	1000
32	2	2 1/2" - 12	2"	1500	1000

JIC threads conform to SAE J514 specifications

NPT

Size Designator	NPT Size	316 Stainless Steel			
		Male		Female	
		psig	bar	psig	bar
1	1/16	11000	757	6700	461
2	1/8	10000	689	6500	447
4	1/4	8000	551	6600	454
6	3/8	7800	537	5300	365
8	1/2	7700	530	4900	337
12	3/4	7300	502	4600	316
16	1	5300	365	4400	303
20	1 1/4	6000	413	5000	344
24	1 1/2	5000	344	4600	316
32	2	3900	268	3900	268

NPT threads meet the requirements of ASME/ANSI B.1.20.1



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FEMALE PIPE SWIVELS

316 STAINLESS STEEL ADAPTERS

MALE NPT X FEMALE NPSM SWIVEL

PART #	(A) MNPT SIZE	(B) FNPT SIZE	(A) MNPT THREAD	(B) FNPT THREAD	(L)	
SS1404-04-04	1/4	1/4	1/4-18	1/4-18	1.440	----
SS1404-06-06	3/8	3/8	3/8-18	3/8-18	1.560	----
SS1404-08-08	1/2	1/2	1/2-14	1/2-14	1.940	----
SS1404-12-12	3/4	3/4	3/4-14	3/4-14	2.060	----
SS1404-16-16	1	1	1-11 1/2	1-11 1/2	2.380	----

SSP: PSX-XC / PARKER: 0107-X-X-SS / AEROQUIP: 259-2045-X-X

316 STAINLESS STEEL FEMALE NPT X FEMALE NPSM SWIVEL

PART	(A) FNPT SIZE	(B) FNPT SIZE	(A) FNPT THREAD	(B) FNPT THREAD	(L)	
SS1405-04-04	1/4	1/4	1/4-18	1/4-18	1.440	----
SS1405-06-06	3/8	3/8	3/8-18	3/8-18	1.560	----
SS1405-08-08	1/2	1/2	1/2-14	1/2-14	1.830	----
SS1405-12-12	3/4	3/4	3/4-14	3/4-14	1.960	----
SS1405-16-16	1	1	1-11 1/2	1-11 1/2	2.300	----

SSP: PSX-XFC / PARKER: 0207-X-X-SS / AEROQUIP: 259-2046-X-X

Control Your Temper

There once was a little boy who had a very bad temper. His father decided to hand him a bag of nails and said that every time the boy lost his temper, he had to hammer a nail into the fence.

On the first day, the boy hammered 37 nails into that fence.

The boy gradually began to control his temper over the next few weeks, and the number of nails he was hammering into the fence slowly decreased.

He discovered it was easier to control his temper than to hammer those nails into the fence.

Finally, the day came when the boy didn't lose his temper at all. He told his father the news and the father suggested that the boy should now pull out a nail every day he kept his temper under control.

The days passed and the young boy was finally able to tell his father that all the nails were gone. The father took his son by the hand and led him to the fence.

"you have done well, my son, but look at the holes in the fence. The fence will never be the same. When you say things in anger, they leave a scar just like this one. You can put a knife in a man and draw it out. It won't matter how many times you say I'm sorry, the wound is still there."

Moral of the story:

Control your anger, and don't say things to people in the heat of the moment, that you may later regret. Some things in life, you are unable to take back.

- Unknown

JIC 37°

316 STAINLESS STEEL ADAPTERS

JIC TUBE SLEEVE



PART	(A) SIZE	(L)	
SS319-04	1/4	.409	----
SS319-06	3/8	.500	----
SS319-08	1/2	.559	----
SS319-10	5/8	.661	----
SS319-12	3/4	.681	----
SS319-16	1	.779	----

SSP: JXS / PARKER: XTX-SS / AEROQUIP: 259-900605-X

JIC TUBE NUT



PART	(A) FJIC SIZE	(A) THREAD	HEX	(L)	
SS318-04	1/4	7/16-20	9/16	.622	----
SS318-06	3/8	9/16-18	11/16	.728	----
SS318-08	1/2	3/4-16	7/8	.850	----
SS318-10	5/8	7/8-14	1	.980	----
SS318-12	3/4	1-1/16-12	1-1/4	1.031	----
SS318-16	1	1-5/16-12	1-1/2	1.129	----

SSP: JXN / PARKER: XBTX-SS / AEROQUIP: 259-1290-X

JIC CAP



PART	(A) FJIC SIZE	(A) THREAD	HEX	(L) LENGTH	
SS304-C-04	1/4	7/16-20	9/16	.594	----
SS304-C-06	3/8	9/16-18	11/16	.625	----
SS304-C-08	1/2	3/4-16	7/8	.748	----
SS304-C-10	5/8	7/8-14	1	.842	----
SS304-C-12	3/4	1-1/16-12	1-1/4	.905	----
SS304-C-16	1	1-5/16-12	1-1/2	1.015	----

SSP: AJXZ / PARKER: X FNTX-SS / AEROQUIP: 259-210292-X



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STRAIGHTS JIC FLARE 37°

316 STAINLESS STEEL ADAPTERS

STAINLESS ADAPTERS

MALE JIC UNION



PART	(A) MJIC SIZE	(B) MJIC SIZE	(A) MJIC THREAD	(B) MJIC THREAD	(L)	
SS2403-04-04	1/4	1/4	7/16-20	7/16-20	1.370	----
SS2403-06-04	3/8	1/4	9/16-18	7/16-20	1.401	----
SS2403-06-06	3/8	3/8	9/16-18	9/16-18	1.409	----
SS2403-08-04	1/2	1/4	3/4-16	7/16-20	1.511	----
SS2403-08-06	1/2	3/8	3/4-16	9/16-18	1.519	----
SS2403-08-08	1/2	1/2	3/4-16	3/4-16	1.618	----
SS2403-10-08	5/8	1/2	7/8-14	3/4-16	1.779	----
SS2403-10-10	5/8	5/8	7/8-14	7/8-14	1.881	----
SS2403-12-04	3/4	1/4	1-1/16-12	7/16-20	1.850	----
SS2403-12-06	3/4	3/8	1-1/16-12	9/16-18	1.850	----
SS2403-12-08	3/4	1/2	1-1/16-12	3/4-16	1.948	----
SS2403-12-12	3/4	3/4	1-1/16-12	1-1/16-12	2.161	----
SS2403-16-12	1	3/4	1-5/16-12	1-1/16-12	2.318	----
SS2403-16-16	1	1	1-5/16-12	1-5/16-12	2.251	----

SSP: JX-XU / PARKER: HTX-SS / AEROQUIP: 259-2027-X-X

MALE JIC X MALE NPT ADAPTER



PART	(A) MJIC SIZE	(B) MNPT SIZE	(A) MJIC THREAD	(B) MNPT THREAD	(L)	
SS2404-04-02	1/4	1/8	7/16-20	1/8-27	1.220	----
SS2404-04-04	1/4	1/4	7/16-20	1/4-18	1.421	----
SS2404-04-06	1/4	3/8	7/16-20	3/8-18	1.421	----
SS2404-04-08	1/4	1/2	7/16-20	1/2-14	1.681	----
SS2404-06-04	3/8	1/4	9/16-18	1/4-18	1.429	----
SS2404-06-06	3/8	3/8	9/16-18	3/8-18	1.440	----
SS2404-06-08	3/8	1/2	9/16-18	1/2-14	1.688	----
SS2404-08-04	1/2	1/4	3/4-16	1/4-18	1.519	----
SS2404-08-06	1/2	3/8	3/4-16	3/8-18	1.531	----
SS2404-08-08	1/2	1/2	3/4-16	1/2-14	1.712	----
SS2404-08-12	1/2	3/4	3/4-16	3/4-14	1.850	----
SS2404-08-16	1/2	1	3/4-16	1-11 1/2	2.050	----
SS2404-10-08	5/8	1/2	7/8-14	1/2-14	1.889	----
SS2404-12-08	3/4	1/2	1-1/16-12	1/2-14	2.059	----
SS2404-12-12	3/4	3/4	1-1/16-12	3/4-14	2.059	----
SS2404-12-16	3/4	1	1-1/16-12	1-11 1/2	2.250	----
SS2404-16-08	1	1/2	1-5/16-12	1/2-14	2.100	----
SS2404-16-12	1	3/4	1-5/16-12	3/4-14	2.110	----
SS2404-16-16	1	1	1-5/16-12	1-11 1/2	2.299	----

SWAGELOK: SS-X-AN-1-X / SSP: JXC / PARKER: X FTX-SS / AEROQUIP 259-2021-X-X



USE OUR APP WITH YOUR FREE BIN LABELS TO MANAGE YOUR CUSTOMERS INVENTORY MORE EFFICIENTLY

STRAIGHTS JIC FLARE 37°

316 STAINLESS STEEL ADAPTERS

MALE JIC X FEMALE NPT ADAPTER



PART	(A) MJIC SIZE	(B) FNPT SIZE	(A) MJIC THREAD	(B) FNPT THREAD	(L)	
SS2405-04-04	1/4	1/4	7/16-20	1/4-18	1.389	----
SS2405-06-04	3/8	1/4	9/16-18	1/4-18	1.409	----
SS2405-06-06	3/8	3/8	9/16-18	3/8-18	1.470	----
SS2405-08-08	1/2	1/2	3/4-16	1/2-14	1.790	----
SS2405-12-12	3/4	3/4	1-1/16-12	3/4-14	2.059	----
SS2405-16-16	1	1	1-5/16-12	1-11 1/2	2.350	----

SSP: JX-XFC / PARKER: XXGTX-SS / AEROQUIP: 259-2022-X-X

FEMALE JIC X MALE JIC (REDUCER-EXPANDER)



PART	(A) FJIC SIZE	(B) MJIC SIZE	(A) FJIC THREAD	(B) MJIC THREAD	(L)	
SS2406-06-04	3/8	1/4	9/16-18	7/16-20	1.118	----
SS2406-08-04	1/2	1/4	3/4-16	7/16-20	1.448	----
SS2406-08-06	1/2	3/8	3/4-16	9/16-18	1.311	----
SS2406-10-08	5/8	1/2	7/8-14	3/4-16	1.409	----
SS2406-12-04	3/4	1/4	1-1/16-12	7/16-20	1.500	----
SS2406-12-06	3/4	3/8	1-1/16-12	9/16-18	1.480	----
SS2406-12-08	3/4	1/2	1-1/16-12	3/4-16	1.559	----
SS2406-16-04	1	1/4	1-5/16-12	7/16-20	1.570	----
SS2406-16-06	1	3/8	1-5/16-12	9/16-18	1.578	----
SS2406-16-08	1	1/2	1-5/16-12	3/4-16	1.669	----
SS2406-16-12	1	3/4	1-5/16-12	1-1/16-12	1.877	----

SSP: PSX-XFC / PARKER: 0207-X-X-SS / AEROQUIP: 259-2046-X-X

JIC PLUG



PART	(A) MJIC SIZE	(A) MJIC THREAD	HEX	(L)	
SS2408-04	1/4	7/16-20	1/2	.799	----
SS2408-06	3/8	9/16-18	5/8	.838	----
SS2408-08	1/2	3/4-16	13/16	.940	----
SS2408-10	5/8	7/8-14	15/16	1.098	----
SS2408-12	3/4	1-1/16-12	1-1/8	1.279	----
SS2408-16	1	1-5/16-12	1-3/8	1.330	----

SSP: JXP / PARKER: XRNTX-SS / AEROQUIP: 259-900599-X



VIEW PRICING AND AVAILABLE STOCK ONLINE

BULKHEAD FITTINGS

316 STAINLESS STEEL ADAPTERS

JIC BULKHEAD NUT

PART	(A) BN SIZE	(A) THREAD	HEX	(L)	
SS306-04	1/4	7/16-20	11/16	.279	----
SS306-06	3/8	9/16-18	13/16	.271	----
SS306-08	1/2	3/4-16	1	.311	----
SS306-10	5/8	7/8-14	1-1/8	.358	----
SS306-12	3/4	1-1/16-12	1-3/8	.409	----
SS306-16	1	1-5/16-12	1-5/8	.409	----

SSP: XBN / PARKER: XWLN-SS / AEROQUIP: 259-210212-X-X

MALE JIC BULKHEAD UNION

PART	(A) MJIC SIZE	(B) MJIC SIZE	(A) MJIC THREAD	(B) MJIC THREAD	(L)	
SS2700-04-04	1/4	1/4	7/16-20	7/16-20	2.070	----
SS2700-06-06	3/8	3/8	9/16-18	9/16-18	2.181	----
SS2700-08-08	1/2	1/2	3/4-16	3/4-16	2.440	----
SS2700-12-12	3/4	3/4	1-1/16-12	1-1/16-12	3.090	----
SS2700-16-16	1	1	1-5/16-12	1-5/16-12	3.141	----

SSP: JXBU / PARKER: XWTX-SS / AEROQUIP: 259-2041-X-X

FEMALE NPT X MALE JIC BULKHEAD CONNECTOR

PART	(A) FNPT SIZE	(B) MJIC SIZE	(A) FNPT THREAD	(B) MJIC THREAD	(L)	
SS2705-04-04	1/4	1/4	1/4-18	7/16-20	2.078	----
SS2705-06-06	3/8	3/8	3/8-18	9/16-18	2.220	----
SS2705-08-08	1/2	1/2	1/2-14	3/4-16	2.610	----
SS2705-12-12	3/4	3/4	3/4-14	1-1/16-12	2.992	----
SS2705-16-16	1	1	1-11 1/2	1-5/16-12	3.228	----

SSP: JX-XBFC / PARKER: X-XWGTX-SS / AEROQUIP: 259-2239-X-X

FEMALE PIPE BULKHEAD UNION

PART	(A) FNPT SIZE	(B) FNPT SIZE	(A) FNPT THREAD	(B) FNPT THREAD	(L)	
SS2707-04-04	1/4	1/4	1/4-18	1/4-18	1.500	----
SS2707-06-06	3/8	3/8	3/8-18	3/8-18	1.311	----
SS2707-08-08	1/2	1/2	1/2-14	1/2-14	1.500	----

SSP: AXAC

PIPE FITTINGS

316 STAINLESS STEEL ADAPTERS

HEX PIPE COUPLING



PART	(A) FNPT SIZE	(B) FNPT SIZE	(A) FNPT THREAD	(B) FNPT THREAD	(L)	
SS5000-02-02	1/8	1/8	1/8-27	1/8-27	.748	----
SS5000-04-04	1/4	1/4	1/4-18	1/4-18	1.129	----
SS5000-06-04	3/8	1/4	3/8-18	1/4-18	1.129	----
SS5000-06-06	3/8	3/8	3/8-18	3/8-18	1.129	----
SS5000-08-06	1/2	3/8	1/2-14	3/8-18	1.500	----
SS5000-08-08	1/2	1/2	1/2-14	1/2-14	1.500	----
SS5000-12-12	3/4	3/4	3/4-14	3/4-14	1.531	----
SS5000-16-08	1	1/2	1-11 1/2	1/2-14	1.889	----
SS5000-16-12	1	3/4	1-11 1/2	3/4-14	1.889	----
SS5000-16-16	1	1	1-11 1/2	1-11 1/2	1.889	----

SWAGELOK: SS-XHGG-X / SSP: XHC / PARKER: XGG-SS / AEROQUIP: 259-2096-X-X

HEX PIPE NIPPLE



PART	(A) MNPT SIZE	(B) MNPT SIZE	(A) MNPT THREAD	(B) MNPT THREAD	L	
SS5404-02-02	1/8	1/8	1/8-27	1/8-27	1.059	----
SS5404-04-02	1/4	1/8	1/4-18	1/8-27	1.259	----
SS5404-04-04	1/4	1/4	1/4-18	1/4-18	1.448	----
SS5404-06-04	3/8	1/4	3/8-18	1/4-18	1.448	----
SS5404-06-06	3/8	3/8	3/8-18	3/8-18	1.448	----
SS5404-08-04	1/2	1/4	1/2-14	1/4-18	1.700	----
SS5404-08-06	1/2	3/8	1/2-14	3/8-18	1.700	----
SS5404-08-08	1/2	1/2	1/2-14	1/2-14	1.889	----
SS5404-12-04	3/4	1/4	3/4-14	1/4-18	1.771	----
SS5404-12-06	3/4	3/8	3/4-14	3/8-18	1.771	----
SS5404-12-08	3/4	1/2	3/4-14	1/2-14	1.960	----
SS5404-12-12	3/4	3/4	3/4-14	3/4-14	1.960	----
SS5404-16-08	1	1/2	1-11 1/2	1/2-14	2.090	----
SS5404-16-12	1	3/4	1-11 1/2	3/4-14	2.149	----
SS5404-16-16	1	1	1-11 1/2	1-11 1/2	2.338	----

SWAGELOK: SS-X-HN-X / SSP: XHN / PARKER: X-XFF-SS / AEROQUIP: 259-2083-X-X

PIPE NIPPLE



PART	(A) MNPT SIZE	(A) MNPT THREAD	(L)	
SSCN-04	1/4	1/4-18	1.120	----
SSCN-06	3/8	3/8-18	1.125	----
SSCN-08	1/2	1/2-14	1.507	----
SSCN-12	3/4	3/4-14	1.500	----
SSCN-16	1	1-11 1/2	1.880	----

SWAGELOK: SS-X-CN / PARKER: X-X MCN-SS / AEROQUIP: 259-2083-X-X

STEEL PIPE FITTINGS

316 STAINLESS STEEL ADAPTERS

MALE NPT X FEMALE NPT EXPANDER



PART	(A) MNPT SIZE	(B) FNPT SIZE	(A) MNPT THREAD	(B) FNPT THREAD	(L)	
SS5405-02-02	1/8	1/8	1/8-27	1/8-27	1.039	----
SS5405-02-04	1/8	1/4	1/8-27	1/4-18	1.208	----
SS5405-04-04	1/4	1/4	1/4-18	1/4-18	1.389	----
SS5405-04-06	1/4	3/8	1/4-18	3/8-18	1.440	----
SS5405-04-08	1/4	1/2	1/4-18	1/2-14	1.681	----
SS5405-06-06	3/8	3/8	3/8-18	3/8-18	1.440	----
SS5405-06-08	3/8	1/2	3/8-18	1/2-14	1.681	----
SS5405-06-12	3/8	1/2	3/8-18	3/4-14	1.740	----
SS5405-08-08	1/2	1/2	1/2-14	1/2-14	1.870	----
SS5405-08-12	1/2	3/4	1/2-14	3/4-14	1.929	----
SS5405-08-16	1/2	1	1/2-14	1-11 1/2	2.181	----
SS5405-12-12	3/4	3/4	3/4-14	3/4-14	1.929	----
SS5405-12-16	3/4	1	3/4-14	1-11 1/2	2.181	----
SS5405-16-16	1	1	1-11 1/2	1-11 1/2	2.370	----

SWAGELOK: SS-X-RA-X / SSP: XXXRA / PARKER: X-XFG-SS / AEROQUIP: 259-2040-X-X

MALE NPT X FEMALE NPT BUSHING/ REDUCER



PART	(A) MNPT SIZE	(B) FNPT SIZE	(A) MNPT THREAD	(B) FNPT THREAD	(L)	
SS5406-04-02	1/4	1/8	1/4-18	1/8-27	.850	----
SS5406-06-04	3/8	1/4	3/8-18	1/4-18	.850	----
SS5406-08-04	1/2	1/4	1/2-14	1/4-18	1.098	----
SS5406-08-06	1/2	3/8	1/2-14	3/8-18	1.098	----
SS5406-12-04	3/4	1/4	3/4-14	1/4-18	1.169	----
SS5406-12-06	3/4	3/8	3/4-14	3/8-18	1.169	----
SS5406-12-08	3/4	1/2	3/4-14	1/2-14	1.169	----
SS5406-16-04	1	1/4	1-11 1/2	1/4-18	.940	----
SS5406-16-06	1	3/8	1-11 1/2	3/8-18	.940	----
SS5406-16-08	1	1/2	1-11 1/2	1/2-14	.940	----
SS5406-16-12	1	3/4	1-11 1/2	3/4-14	.940	----
SS5406-20-12	1-1/4	3/4	1-1/4-11 1/2	3/4-14	1.47	----

SWAGELOK: SS-XRB-X / SSP: XXXRA / PARKER: XXXPTR-SS / AEROQUIP: 259-2081-X-X

HEX PIPE PLUG



PART	(A) MNPT SIZE	(A) MNPT THREAD	HEX SIZE	(L)	(L)	
SS5406-P-04	1/4	1/4-18	9/16	.751	.850	----
SS5406-P-06	3/8	3/8-18	11/16	.779	.850	----
SS5406-P-08	1/2	1/2-14	7/8	1.118	1.098	----
SS5406-P-12	3/4	3/4-14	1-1/8	1.169	1.098	----
SS5406-P-16	1	1-11 1/2	1-3/8	1.397	1.169	----

SWAGELOK: SS-X-P / SSP: XXXRA / PARKER: X-HHP-SS / AEROQUIP: 259-2082-X

HOLLOW HEX PIPE PLUG



PART	(A) MNPT SIZE	(A) MNPT THREAD	HEX SIZE	(L)	(L)	
SS5406-HHP-04	1/4	1/4-18	1/4	.460	.850	----
SS5406-HHP-06	3/8	3/8-18	5/16	.460	.850	----
SS5406-HHP-08	1/2	1/2-14	3/8	.610	1.098	----
SS5406-HHP-12	3/4	3/4-14	9/16	.618	1.098	----
SS5406-HHP-16	1	1-11 1/2	5/8	.771	1.169	----

SWAGELOK: SS-X-HP / SSP: XCP / PARKER: X-HP-SS / AEROQUIP: 259-2222-X

STEEL PIPE FITTINGS

316 STAINLESS STEEL ADAPTERS

HEX PIPE CAP



PART	(A) FNPT SIZE	(A) FNPT THREAD	HEX	(L)	
SS5406-C-04	1/4	1/4-18	3/4	.811	----
SS5406-C-06	3/8	3/8-18	7/8	.811	----
SS5406-C-08	1/2	1/2-14	1	1.000	----
SS5406-C-12	3/4	3/4-14	1-5/16	1.129	----
SS5406-C-16	1	1-11 1/2	1-5/8	1.500	----

SWAGELOK: SS-X-C / SSP: XMM / PARKER: XCR-SS / AEROQUIP: 259-2085-X-X

MALE PIPE ELBOW 90°



PART	(A) MNPT SIZE	(B) MNPT SIZE	(A) MNPT THREAD	(B) MNPT THREAD	(L)	
SS5500-02-02	1/8	1/8	1/8-27	1/8-27	.748	----
SS5500-04-04	1/4	1/4	1/4-18	1/4-18	1.129	----
SS5500-06-06	3/8	3/8	3/8-18	3/8-18	1.129	----
SS5500-08-08	1/2	1/2	1/2-14	1/2-14	1.129	----
SS5500-12-12	3/4	3/4	3/4-14	3/4-14	1.500	----
SS5500-16-16	1	1	1-11 1/2	1-11 1/2	1.500	----

SWAGELOK: SS-X-ME / SSP: XMM / PARKER: XCR-SS / AEROQUIP: 259-2085-X-X

MALE NPT X FEMALE NPT STREET ELBOW 90°



PART	(A) MNPT SIZE	(B) FNPT SIZE	(A) MNPT THREAD	(B) FNPT THREAD	
SS5502-02-02	1/8	1/8	1/8-27	1/8-27	----
SS5502-04-04	1/4	1/4	1/4-18	1/4-18	----
SS5502-06-06	3/8	3/8	3/8-18	3/8-18	----
SS5502-08-08	1/2	1/2	1/2-14	1/2-14	----
SS5502-12-12	3/4	3/4	3/4-14	3/4-14	----
SS5502-16-16	1	1	1-11 1/2	1-11 1/2	----

SWAGELOK: SS-X-ME / SSP: XMM / PARKER: XCR-SS / AEROQUIP: 259-2085-X-X



GO ONLINE TO VIEW OPEN ORDERS, ORDER HISTORY, AND TRACKING INFORMATION ON ALL SHIPMENTS

STEEL PIPE FITTINGS**316 STAINLESS STEEL ADAPTERS****FEMALE PIPE ELBOW 90°**

PART	(A) FNPT SIZE	(B) FNPT SIZE	(A) FNPT THREAD	(B) FNPT THREAD	
SS5504-02-02	1/8	1/8	1/8-27	1/8-27	----
SS5504-04-04	1/4	1/4	1/4-18	1/4-18	----
SS5504-06-06	3/8	3/8	3/8-18	3/8-18	----
SS5504-08-08	1/2	1/2	1/2-14	1/2-14	----
SS5504-12-12	3/4	3/4	3/4-14	3/4-14	----
SS5504-16-16	1	1	1-11 1/2	1-11 1/2	----

SWAGELOK: SS-X-E / SSP: XFF / PARKER: XDD-SS / AEROQUIP: 259-2087-X-X

MALE PIPE TEE

PART	(A) MNPT SIZE	(B) MNPT SIZE	(C) MNPT SIZE	(A) MNPT THREAD	(B) MNPT THREAD	(C) MNPT THREAD	
SS5600-04-04-04	1/4	1/4	1/4	1/4-18	1/4-18	1/4-18	----
SS5600-06-06-06	3/8	3/8	3/8	3/8-18	3/8-18	3/8-18	----
SS5600-08-08-08	1/2	1/2	1/2	1/2-14	1/2-14	1/2-14	----
SS5600-12-12-12	3/4	3/4	3/4	3/4-14	3/4-14	3/4-14	----
SS5600-16-16-16	1	1	1	1-11 1/2	1-11 1/2	1-11 1/2	----

SWAGELOK: SS-X-MT / SSP: XMMM / PARKER: XRRS-SS / AEROQUIP: 259-2257-X-X

FEMALE PIPE TEE

PART	(A) FNPT SIZE	(B) FNPT SIZE	(C) FNPT SIZE	(A) FNPT THREAD	(B) FNPT THREAD	(C) FNPT THREAD	
SS5605-02-02-02	1/8	1/8	1/8	1/8-27	1/8-27	1/8-27	----
SS5605-04-04-04	1/4	1/4	1/4	1/4-18	1/4-18	1/4-18	----
SS5605-06-06-06	3/8	3/8	3/8	3/8-18	3/8-18	3/8-18	----
SS5605-08-08-08	1/2	1/2	1/2	1/2-14	1/2-14	1/2-14	----
SS5605-12-12-12	3/4	3/4	3/4	3/4-14	3/4-14	3/4-14	----
SS5605-16-16-16	1	1	1	1-11 1/2	1-11 1/2	1-11 1/2	----

SWAGELOK: SS-X-T / SSP: XFF / PARKER: XMMO-SS / AEROQUIP: 259-2090-X-X



USE OUR TEXT LINE [855-609-3729](tel:855-609-3729) TO COMMUNICATE WITH MIDLAND MORE CONVENIENTLY

SAE O-RING BOSS (ORB)

316 STAINLESS STEEL ADAPTERS

MALE JIC X MALE SAE O-RING BOSS



PART	(A) MJIC SIZE	(B) MORB SIZE	(A) MJIC THREAD	(B) MORB THREAD	(L)	
SS6400-04-04	1/4	1/4	7/16-20	7/16-20	1.228	----
SS6400-04-06	1/4	3/8	7/16-20	9/16-18	1.291	----
SS6400-06-06	3/8	3/8	9/16-18	9/16-18	1.299	----
SS6400-06-08	3/8	1/2	9/16-18	3/4-16	1.377	----
SS6400-06-10	3/8	5/8	9/16-18	7/8-14	1.500	----
SS6400-08-06	1/2	3/8	3/4-16	9/16-18	1.440	----
SS6400-08-08	1/2	1/2	3/4-16	3/4-16	1.488	----
SS6400-08-10	1/2	5/8	3/4-16	7/8-14	1.598	----
SS6400-08-12	1/2	3/4	3/4-16	1-1/16-12	1.759	----
SS6400-12-08	3/4	1/2	1-1/16-12	3/4-16	1.940	----
SS6400-12-12	3/4	3/4	1-1/16-12	1-1/16-12	1.968	----
SS6400-12-16	3/4	1	1-1/16-12	1-5/16-12	1.988	----
SS6400-16-12	1	3/4	1-5/16-12	1-1/16-12	2.039	----
SS6400-16-16	1	1	1-5/16-12	1-5/16-12	2.039	----

SWAGELOK: SS-X-SAE-1-XAN / SSP: JXGC / PARKER: XF50X-SS / AEROQUIP: 259-202702-X-X

MALE SAE O-RING BOSS X FEMALE JIC SWIVEL



PART	(A) MORB SIZE	(B) FJIC SIZE	(A) MORB THREAD	(B) FJIC THREAD	(L)	
SS6402-04-04	1/4	1/4	7/16-20	7/16-20	1.625	----
SS6402-06-06	3/8	3/8	9/16-18	9/16-18	1.842	----
SS6402-08-08	1/2	1/2	3/4-16	3/4-16	2.078	----
SS6402-12-12	3/4	3/4	1-1/16-12	1-1/16-12	2.582	----
SS6402-16-16	1	1	1-5/16-12	1-5/16-12	2.807	----

SSP: JSX6C / PARKER: XF650X-SS / AEROQUIP: 259-2266-X-X

MALE SAE O-RING BOSS X FEMALE NPT



PART	(A) MORB SIZE	(B) FNPT SIZE	(A) MORB THREAD	(B) FNPT SIZE	(L)	
SS6405-04-04	1/4	1/4	7/16-20	1/4-18	1.161	----
SS6405-06-04	3/8	1/4	9/16-18	1/4-18	1.090	----
SS6405-06-06	3/8	3/8	9/16-18	3/8-18	1.330	----
SS6405-08-08	1/2	1/2	3/4-16	1/2-14	1.468	----
SS6405-12-08	3/4	1/2	1-1/16-12	1/2-14	1.409	----
SS6405-12-12	3/4	3/4	1-1/16-12	3/4-14	1.590	----
SS6405-16-16	1	1	1-5/16-12	1-11 1/2	1.897	----

SWAGELOK: SS-X-SAE-7-X / SSP: XXXGCF / PARKER: XXX-F50G-SS / AEROQUIP: 259-2216-X-X



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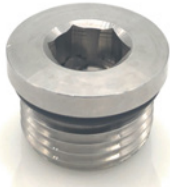
SAE O-RING BOSS (ORB)

316 STAINLESS STEEL ADAPTERS

MALE SAE O-RING BOSS HEX PLUG

PART	(A) MORB SIZE	(A) MORB THREAD	HEX	(L)	
SS6408-04	1/4	7/16-20	9/16	.669	----
SS6408-06	3/8	9/16-18	11/16	.728	----
SS6408-08	1/2	3/4-16	7/8	.779	----
SS6408-10	5/8	7/8-14	1"	.929	----
SS6408-12	3/4	1-1/16-12	1-1/4	1.090	----
SS6408-16	1	1-5/16-12	1-1/2	1.118	----

SWAGELOK: SS-X-HPST / SSP: XCGP /
PARKER: XHP50N-SS / AEROQUIP: 259-FF2138-X

MALE SAE O-RING BOSS HOLLOW HEX PLUG

PART	(A) MORB SIZE	(A) MORB THREAD	HEX SIZE	(L)	
SS6408-HH-02	1/8	5/16-24	1/8	.401	----
SS6408-HH-04	1/4	7/16-20	3/16	.468	----
SS6408-HH-06	3/8	9/16-18	1/4	.500	----
SS6408-HH-08	1/2	3/4-16	5/16	.578	----
SS6408-HH-10	5/8	7/8-14	3/8	.649	----
SS6408-HH-12	3/4	1-1/16-12	9/16	.767	----
SS6408-HH-16	1	1-5/16-12	5/8	.767	----

SWAGELOK: SS-X-PST / SSP: XGP / PARKER: XP50N-SS /
AEROQUIP: 259-900598-X



HELP US HELP YOU! GO ONLINE TO UPDATE YOUR CUSTOMER PROFILE SO THAT WE CAN UPDATE ALL THE APPROPRIATE DEPARTMENTS AND PERSONNEL AT YOUR COMPANY ON NEW CATALOGS, PRICING UPDATES, NEW MARKETING TOOLS, AND OTHER IMPORTANT INFORMATION. THANK YOU!

FEMALE JIC SWIVELS

316 STAINLESS STEEL ADAPTERS

MALE NPT X FEMALE JIC SWIVEL



PART	(A) MNPT SIZE	(B) FJIC SIZE	(A) MNPT THREAD	(B) FJIC THREAD	(L)	
SS6505-04-04	1/4	1/4	1/4-18	7/16-20	1.807	----
SS6505-06-06	3/8	3/8	3/8-18	9/16-18	1.952	----
SS6505-08-08	1/2	1/2	1/2-14	3/4-16	2.358	----
SS6505-12-12	3/4	3/4	3/4-14	1-1/16-12	2.668	----
SS6505-16-16	1	1	1-11 1/2	1-5/16-12	3.055	----

SWAGELOK: JSX-XC / PARKER: XXXF6X-SS / AEROQUIP: 259-2018-X-X

FEMALE NPT X FEMALE JIC SWIVEL



PART	(A) FNPT SIZE	(B) FJIC SIZE	(A) FNPT THREAD	(B) FJIC THREAD	(L)	
SS6506-04-04	1/4	1/4	1/4-18	7/16-20	1.862	----
SS6506-06-06	3/8	3/8	3/8-18	9/16-18	2.011	----
SS6506-08-08	1/2	1/2	1/2-14	3/4-16	2.389	----
SS6506-12-12	3/4	3/4	3/4-14	1-1/16-12	2.673	----
SS6506-16-16	1	1	1-11 1/2	1-5/16-12	3.114	----

SWAGELOK: JSX-XFC / PARKER: X-XG6X-SS / AEROQUIP: 259-2242-X-X



SEE WEBSITE TO DOWNLOAD YOUR MOST UPDATED PRICING

CRIMP HOSE FITTINGS

316 STAINLESS STEEL ADAPTERS

STRAIGHT MALE NPT PIPE - RIGID

PART	HOSE DASH SIZE	HOSE I.D. (INCHES)	THREAD DASH SIZE	MNPT THREAD	(L)	
SS43-04-04MP	-04	1/4	-04	1/4-18	1.862	----
SS43-04-06MP	-04	1/4	-06	3/8-18	2.011	----
SS43-06-04MP	-06	3/8	-04	1/4-18	2.389	----
SS43-06-06MP	-06	3/8	-06	3/8-18	2.673	----
SS43-08-08MP	-08	1/2	-08	1/2-14	3.114	----
SS43-10-08MP	-10	5/8	-08	1/2-14	1.590	----
SS43-12-12MP	-12	3/4	-12	3/4-14	1.897	----
SS43-16-16MP	-16	1	-16	1-11-1/2		----

PARKER: 10143-X-XC

STRAIGHT FEMALE JIC - SWIVEL

PART	HOSE DASH SIZE	HOSE I.D. (INCHES)	THREAD DASH SIZE	FJIC THREAD	(L)	
SS43-04-04FJ	-04	1/4	-04	7/16-20	1.862	----
SS43-04-06FJ	-04	1/4	-06	9/16-18	2.011	----
SS43-06-04FJ	-06	3/8	-04	7-16-20	2.389	----
SS43-06-06FJ	-06	3/8	-06	9/16-18	2.673	----
SS43-06-08FJ	-06	3/8	-08	3/4-16	3.114	----
SS43-08-08FJ	-08	1/2	-08	3/4-16	1.590	----
SS43-08-10FJ	-08	1/2	-10	7/8-14	1.897	----

PARKER: 10643-X-XC

90 DEGREE FEMALE JIC - SWIVEL

PART	HOSE DASH SIZE	HOSE I.D. (INCHES)	THREAD DASH SIZE	FJIC THREAD	
SS43-04-04FJ90	-04	1/4	-04	7/16-20	----
SS43-04-06FJ90	-04	1/4	-06	9/16-18	----
SS43-06-06FJ90	-06	3/8	-06	9/16-18	----
SS43-08-08FJ90	-08	1/2	-08	3/4-16	----
SS43-12-12FJ90	-12	3/4	-12	1-1/16-12	----
SS43-16-16FJ90	-16	1	-16	1-5/16-12	----

PARKER: 10143-X-XC

STRAIGHT MALE NPT - API

PART	HOSE DASH SIZE	HOSE I.D. (INCHES)	THREAD DASH SIZE	MNPT THREAD	
BW-16-16API-C	-16	1	-16	1-11 1/2	----

PRODUCT SPECIFICATIONS - BW SERIES MALE API BOP CRIMP FITTING

PART	O.D. (INCHES)	I.D. (INCHES)	LENGTH (INCHES)	
BOPF-C	2.360	2.225	5.195	----

PRODUCT SPECIFICATIONS - BW SERIES MALE API BOP CRIMP FERRULE

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1591	301-6649	5406HHP8592	6408HO10597	6802NWO32600	6901NWO86602
1-1/2591	301-6849	5406HHP12592	6408HO12597	6802NWO46600	6901NWO88602
1-1/4591	301-8449	5406HHP16592	6408HO14597	6802NWO68600	6901NWO104602
1/2591	301-8649	5406HHP20592	6408HO16597	6802NWO86600	6901NWO106602
1/2591	301-8849	5406HHP24592	6408HO20597	6802NWO108600	6901NWO108602
1/2591	301-10649	5406P2592	6408HO24597	6802NWO810600	6901NWO126602
1/2"531	301-10849	5406P4592	6408O2597	6802NWO812600	6901NWO128602
1/2"531	301-12849	5406P6592	6408O4597	6802NWO1012600	6901NWO812602
1/4591	301-61249	5406P8592	6408O5597	6802NWO1216600	6901NWO1212602
1/4591	301-81249	5406P12592	6408O6597	6802NWO1612600	6901NWO1612602
1/4"531	301-101249	5406P16592	6408O8597	6802NWO1620600	6901NWO1616602
1/4"531	301-121249	5406P20592	6408O10597	6802NWO2016600	6901NWO2016602
1/8591	301-161249	5406P24592	6408O12597	6803NWO4600	6901NWO2020602
2591	301-161649	5406P32592	6408O14597	6803NWO6600	6901NWO2424602
3/4591	0304C2585	5406SHP2592	6408O16597	6803NWO8600	6901NWO3232602
3/4591	0304C3585	5406SHP4592	6408O20597	6803NWO10600	6902NWO42602
3/8591	0304C4585	5406SHP6592	6408O24597	6803NWO12600	6902NWO44602
3/8591	0304C5585	5406SHP8592	6410O46598	6803NWO16600	6902NWO46602
3/8"531	0304C6585	5406SHP12592	6410O64598	6804NWO4599	6902NWO64602
10-33081	0304C8585	5406SHP16592	6410O68598	6804NWO6599	6902NWO66602
10-33181	0304C10585	5406SHP20592	6410O84598	6804NWO8599	6902NWO68602
28-21612	0304C12585	5406SHP24592	6410O86598	6804NWO10599	6902NWO84602
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29PO1-4449	0304C16585	06100-022	6410O124598	6804NWO16599	6902NWO88602
29PO1-4649	0304C20585	06100-042	6410O126598	6805NWO42600	6902NWO108602
29PO1-4849	0304C24585	06100-062	6410O128598	6805NWO44600	6902NWO128602
29PO1-5249	0304C32585	06100-082	6410O166598	6805NWO64600	6902NWO1212602
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29PO1-6449	311-5249	6402O66596	6410O1612598	6805NWO88600	07201-040449
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29PO1-6849	311-6249	6402O86596	6410O2016598	6805NWO128600	07201-050249
29PO1-8449	311-6449	6402O88596	6410O2412598	6805NWO1212600	07201-050449
29PO1-8649	311-6649	6402O1010596	6410O2416598	6805NWO1616600	07201-060249
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29PO1-10649	311-8649	6403O4596	6410O3216598	6805NWO2424600	07201-060649
29PO1-10849	311-8849	6403O6596	6410O3220598	6806NWO44601	07201-060849
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29PO1-61249	311-12849	6403O12596	6801NWO68600	6806NWO88601	07201-080449
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29PO1-121249	03048585	6405O34597	6801NWO10600	6809NWO66601	07201-100649
29PO1-121649	03062589	6405O42597	6801NWO12600	6809NWO88601	07201-100849
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46-135196	03068589	6405O62597	6801NWO32600	6815NWO88601	07201-161249
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59-202SMLS375	03184585	6405O68597	6801NWO64600	6900O42601	7202NWO44607
59-203SMLS375	03185585	6405O84597	6801NWO86600	6900O44601	7202NWO64607
59-204SMLS375	03186585	6405O86597	6801NWO106600	6900O46601	7202NWO66607
59-205SMLS375	03188585	6405O88597	6801NWO108600	6900O48601	7202NWO68607
59-206SMLS375	03192585	6405O104597	6801NWO128600	6900O64601	7202NWO86607
59-207SMLS375	03193585	6405O106597	6801NWO612600	6900O66601	7202NWO88607
59-208SMLS375	03194585	6405O108597	6801NWO810600	6900O68601	7202NWO108607
59-209SMLS375	03195585	6405O126597	6801NWO812600	6900O84601	7202NWO812607
59-210SMLS375	03196585	6405O128597	6801NWO816600	6900O86601	7202NWO1212607
59-211SMLS375	03198585	6405O812597	6801NWO1016600	6900O88601	7202NWO1216607
59-212SMLS375	3895BA572	6405O1212597	6801NWO1210600	6900O104601	7202NWO1616607
59-213SMLS375	5406C2593	6405O1216597	6801NWO1216600	6900O106601	7205NWO410609
59-320SMLS375	5406C4593	6405O1612597	6801NWO1612600	6900O108601	7205NWO412609
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944433	289	948174T	273	949408	297	970303	343	973341	517	*973866	441
944433LF	253	948175	271	949430	296	970304	343	973343	517	*973867	441
944434	289	948175L	274	949431	296	970305	343	973345	517	*973868	441
944434LF	253	948176	271	949432	296	970306	343	973567	369	*973869	441
944435LF	253	948176L	274	949441	299	970307	343	973568	369	*973870	441
944436LF	253	948176T	273	949442	299	970308	343	973569	369	*973871	441
944437LF	253	948177	271	949443	299	970309	343	973570	368	*973872	441
944438LF	253	948177L	274	949444	299	970310	343	973571	368	*973873	441
945601LF	251	949101	292	949445	299	970311	343	973572	368	*973874	441
945602LF	251	949102	292	949446	299	970312	343	973573	368	*973875	441
945603LF	251	949103	292	949447	299	970313	343	973574	368	*973876	441
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50002020	591	65062424	599	*BLAY-600	474	CDC-1000-A	425	CF-15202L-SP	483	CF-60610-SP	485
54041612	591	65063232	599	BLAY-600-CASS	474	CDCSL-200-A1	436	CF-15202-SP	483	CF-60612-SP	485
54042012	591	70001012	606	*BLOW150-300	460	CDCSL-200-SS1	437	CF-15202-SS304	487	CF-60614-SP	485
54042016	591	70001212	606	*BLOW150-400	460	CDCSL-300-A1	436	CF-15203-SP	483	CF-60702-SP	485
54042412	591	70001616	606	Body	252	CDCSL-300-SS1	437	CF-15203-SS304	487	CF-60704-SP	485
54042416	591	70021212	607	BOPF-C	634	CDCSL-400-A1	436	CF-15204-SS304	487	CFT-08104T-SS304	486
54042420	591	70021216	607	BRLAYHD-200	475	CDCSL-400-SS1	437	CF-15205-SP	483	CFT-08106T-SP	482
54043224	591	70021616	607	BRLAYHD-300	475	CDCSL-600-A1	436	CF-15205-SS304	487	CFT-08106T-SS304	486
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54051216	591	70051020	608	BRLAYHD-600	475	CDP-050-A1	425	CF-20208-SS304	487	CFT-08107T-SS304	486
54051220	591	70051022	608	BSB-400-187	464	CDP-050-B1	434	CF-20209L-SP	483	CFT-08108T-SP	482
54051616	591	70051222	608	BSB-400-250	464	CDP-050-PP	429	CF-20209-SP	483	CFT-08108T-SS304	486
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54052020	591	70221616	608	BSB-500-187	464	CDP-075-A1	425	CF-20210-SP	483	CFT-08109T-SS304	486
54052024	591	70251022	609	BSB-500-250	464	*CDP-075-B1	434	CF-20210-SS304	487	CFT-10114T-SP	482
54052424	591	70251227	609	BSB-600-250	464	CDP-075-PP	429	CF-20211L-SP	483	CFT-10115T-SP	482
54061612	592	70251633	609	BW-16-16API-C	634	*CDP-075-SS1	431	CF-20211-SP	483	CFT-10117T-SP	482
54062012	592	70421212	608	Cap	252	CDP-100-A1	425	CF-20211-SS304	487	CFT-10117T-SS304	486
54062016	592	70421616	608	CC-1113	511	*CDP-100-B1	434	CF-20212L-SP	483	CFT-10118T-SP	482
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54062416	592	70451633	609	CC-1517	511	*CDP-100-SS1	431	CF-20212-SS304	487	CG-050-VI	440
54062420	592	71060404	167	CC-1518	511	CDC-125-A1	425	CF-20213L-SP	483	CG-075-VI	440
54063212	592	71060406	167	CC-1720	511	CDP-125-B1	434	CF-20213-SP	483	CG-100-NBR	440
54063216	592	72001212	606	CC-2023	511	CDP-125-PP	429	CF-20213-SS304	487	CG-100-VI	440
54063220	592	72060404	168	CC-2225	511	CDP-125-SS1	431	CF-20214-SP	483	CG-125-NBR	440
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CG-300-EPDM	440	CGB-125-SS1	430	CGC-300CR-A1	438	*CGD-600-B1	433	CGF-050-A1	425	*CNG-600CS-S	444
CG-300-NBR	440	CGB-150-A1	424	CGC-300CR-SS1	438	CGD-600-SS1	430	CGF-050-B1	434	*CNG-600CS-SP	444
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CG-400-VI	440	*CGB-150-SS1	430	*CGC-400-A1	424	CGD-1510-A	427	CGF-075-A1	425	*CNG-800CS-S	444
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CGA-050-B1	433	CGB-250-A1	424	*CGC-400-SS1	430	CGDSL-200-A1	436	*CGF-100-B1	434	*CNL-400CR-SP	444
CGA-050-PP	428	CGB-250-B1	433	CGC-500-A1	424	CGDSL-200-SS1	437	CGF-100-PP	429	*CNL-400CR-SP	444
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CGA-075-PP	428	*CGB-300-PP	428	*CGC-600-B1	433	CGDSL-400-SS1	437	CGF-125-PP	429	*CNL-400CR-SP	444
*CGA-075-SS1	430	CGC-300-SS1	430	CGC-600CR-A1	438	CGDSL-600-A1	436	CGF-125-SS1	431	*CNL-400CR-SP	444
CGA-100-A1	424	*CGB-400-A1	424	*CGC-600-SS1	430	CGDSL-600-SS1	437	CGF-150-A1	425	*CNL-400CR-SP	444
*CGA-100-B1	433	*CGB-400-B1	433	CGC-800-A1	424	*CGDSV-300-A	427	*CGF-150-B1	434	*CNL-400CR-SP	444
CGA-100-PP	428	CGB-400-PP	428	CGC-800CS-A1	438	*CGDSV-400-A	427	CGF-150-PP	429	*CNL-400CR-SP	444
*CGA-100-SS1	430	*CGB-400-SS1	430	CGC-800-SS1	430	CGE-050-A1	425	*CGF-150-SS1	431	*CNL-400CR-SP	444
CGA-125-A1	424	CGB-500-A1	424	CGC-1000-A	424	CGE-050-B1	434	*CGF-200-A1	425	*CNL-400CR-SP	444
CGA-125-B1	433	CGB-500-B1	433	CGC-1590-A	426	CGE-050-PP	429	*CGF-200-B1	434	*CNL-400CR-SP	444
CGA-125-PP	428	CGB-500-SS1	430	CGC-2015-A	426	CGE-050-SS1	431	*CGF-200-PP	429	*CNL-400CR-SP	444
*CGA-125-SS1	430	CGB-600-A1	424	CGC-2090-A	426	CGE-075-A1	425	*CGF-200-SS1	431	*CNL-400CR-SP	444
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CGA-150-PP	428	CGB-800-A1	424	CGC-4030-A	426	*CGE-075-SS1	431	CGF-250-SS1	431	*CNL-400CR-SP	444
*CGA-150-SS1	430	CGB-800-SS1	430	CGCSL-200CR-A1	436	CGE-100-A1	425	CGF-300-A1	425	*CNL-400CR-SP	444
*CGA-200-A1	424	CGB-1000-A	424	CGCSL-200CR-SS1	437	*CGE-100-B1	434	*CGF-300-B1	434	*CNL-400CR-SP	444
*CGA-200-B1	433	CGB-3020-A	426	CGCSL-300CR-A1	436	CGE-100CR-SS1	438	*CGF-300-PP	429	*CNL-400CR-SP	444
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*CGA-200-SS1	430	CGB-4030-A	426	CGCSL-400CR-A1	436	*CGE-100-SS1	431	*CGF-400-A1	425	*CNL-400CR-SP	444
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CGA-250-B1	433	CGBSL-200-SS1	437	CGCSL-600CR-A1	436	*CGE-125-B1	434	CGF-400-PP	429	*CNL-400CR-SP	444
*CGA-250-SS1	430	CGBSL-300-A1	436	CGCSL-600CR-A4	436	CGE-125-PP	429	*CGF-400-SS1	431	*CNL-400CR-SP	444
*CGA-300-A1	424	CGBSL-300-SS1	437	CGCSL-600CR-SS1	437	*CGE-125-SS1	431	CGF-500-A1	425	*CNL-400CR-SP	444
*CGA-300-B1	433	CGBSL-400-A1	436	CGD-050-A1	424	CGE-150-A1	425	CGF-500-B1	434	*CNL-400CR-SP	444
CGA-300-PP	428	CGBSL-400-SS1	437	CGD-050-B1	433	*CGE-150-B1	434	CGF-500-SS1	431	*CNL-400CR-SP	444
*CGA-300-SS1	430	CGBSL-600-A1	436	CGD-050-PP	428	CGE-150CR-A1	438	CGF-600-A1	425	*CNL-400CR-SP	444
*CGA-400-A1	424	CGBSL-600-SS1	437	*CGD-050-SS1	430	CGE-150CR-SS1	438	CGF-600-B1	434	*CNL-400CR-SP	444
*CGA-400-B1	433	CGC-050-A1	424	CGD-075-A1	424	CGE-150-PP	429	*CGF-600-SS1	431	*CNL-400CR-SP	444
CGA-400-PP	428	CGC-050-B1	433	CGD-075-B1	433	*CGE-150-SS1	431	CGF-800-A1	425	*CNL-400CR-SP	444
*CGA-400-SS1	430	CGC-050-PP	428	CGD-075-PP	428	*CGE-200-A1	425	CGF-800-SS1	431	*CNL-400CR-SP	444
CGA-500-A1	424	CGC-050-SS1	430	*CGD-075-SS1	430	*CGE-200-B1	434	CGF-1000-A	425	*CNL-400CR-SP	444
CGA-500-B1	433	CGC-075-A1	424	CGD-100-A1	424	CGE-200CR-A1	438	CGF-1520-A	427	*CNL-400CR-SP	444
*CGA-500-SS1	430	*CGC-075-B1	433	*CGD-100-B1	433	CGE-200CR-SS1	438	*CGF-2030-A	427	*CNL-400CR-SP	444
CGA-600-A1	424	CGC-075-PP	428	CGD-100-PP	428	*CGE-200-PP	429	*CGF-3020-A	427	*CNL-400CR-SP	444
*CGA-600-B1	433	*CGC-075-SS1	430	*CGD-100-SS1	430	*CGE-200-SS1	431	*CGF-3040-A	427	*CNL-400CR-SP	444
CGA-600-SS1	430	CGC-100-A1	424	CGD-125-A1	424	CGE-250-A1	425	CGF-4030-A	427	*CNL-400CR-SP	444
CGA-800-A1	424	*CGC-100-B1	433	CGD-125-B1	433	CGE-250-B1	434	CGF-4060-A	427	*CNL-400CR-SP	444
CGA-800-SS1	430	CGC-100CR-SS1	438	CGD-125-PP	428	CGE-250CR-A1	438	*CNFL-200CR-S	445	*CNFL-200CR-SS316	445
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CGB-050-B1	433	CGC-150CR-SS1	438	CGD-250-B1	433	CGE-400CR-SS1	438	*CNG-250-SP	442	*CNG-250CR-SS316	445
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*CGB-075-B1	433	*CGC-200-B1	433	CGD-300-PP	428	CGE-500-B1	434	*CNG-300-S	442	*CNG-250CR-SS316	445
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MID-AMERICA FITTINGS

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Standard Terms and Conditions of Sale

Any order by a person ("Buyer") for goods (an "Order"), if accepted, is accepted subject to these Midland Industries Standard Terms and Conditions of Sale ("T&Cs"), which are incorporated into any acceptance, acknowledgement, invoice and other document issued by Midland Industries ("Seller") in response to such Order (each a "Response"), and any reference thereto shall include these T&Cs. No waiver, alteration, or modification of these T&Cs shall be valid unless expressly agreed to in writing by Seller. The T&Cs constitute the entire agreement between the parties and any different, additional or conflicting terms or conditions set forth in Buyer's purchase order or any other document issued by Buyer are expressly objected to by Seller and the terms hereof, including those contained in the applicable Response, shall exclusively govern the purchase and sale of the goods covered by the Response unless there is another manually signed agreement between the parties, which shall control to the extent there is a conflict between the terms of such agreement and these T&Cs.

Payment Terms. Payment terms are 2%-10days/net 30 on approved accounts in good standing and shall be paid in United States dollars. The 2% discount terms is for purchased goods only-there is no discount off of freight. Any additional discounts taken will be charged back to the account, and is due by the customer. The allowed discount amount is stated on each invoice. Shipment may be held if account is past due. Buyer agrees that any overdue amounts shall be subject to a late payment charge on the overdue balance of 1.5% per month or such lesser amount as is the maximum rate of interest allowed by law. Buyer shall pay any and all reasonable costs, including attorneys' fees, incurred by Seller while collecting any delinquent balance. Debit memos are not accepted unless approved.

Price. The Seller list or quoted price is subject to change without notice. The goods are invoiced at prices in effect on date of shipment. Prices do not include taxes, if any, based upon or measured by the sales price, which taxes will be added to the prices where applicable. Any taxes which Seller may be required to pay or collect, upon or with respect to the sale, purchase, delivery, storage, processing, use, or transportation of the goods purchased hereunder, shall be for Buyer's account, and shall be paid promptly by Buyer to Seller upon demand.

Delivery Terms. All goods are sold FOB our shipping USA locations. Title and risk of loss passes to the buyer upon delivery to the carrier. Freight is prepaid via the carrier of our choice on orders totaling \$1,500 or more to any destination in the USA. Backorders for items from prepaid orders that are marked in our price list as "stock" items will be shipped prepaid along with upcoming prepaid orders when possible. Non-stocked or special-ordered items will be shipped when available. Buyer is responsible for costs associated with shipment upon acceptance if so assigned based on freight classification (*i.e.*, "prepaid" or FOB)

Title/Security. Unless a conditional sale is noted in this Agreement, title to the goods covered by this Agreement shall pass to Buyer upon delivery to carrier. Buyer hereby grants Seller and Seller hereby reserves a purchase money security interest in and to the goods sold to Buyer together with all proceeds thereof to secure Buyer's performance and payment. Buyer agrees upon Seller's request to do all acts and execute all documents reasonably necessary to assist Seller's perfection and maintenance of any such security title and right of possession, including, but not limited to, executing and filing documents with the appropriate governmental agency.

Orders. (A) Domestic (USA) Sales. Buyer shall submit a purchase order ("Purchase Order") for the goods which shall, at minimum, include: (a) part number of the goods ordered; (b) quantity; (c) price of the goods; (d) requested delivery date; and (e) shipping instructions and shipping address, including a statement that the goods will be shipped in accordance with these T&Cs. All Purchase Orders are subject to acceptance by Seller. Buyer shall be responsible for all additional costs resulting from errors made in connection with telephone, online, or hand written Purchase Orders accepted by Seller and any errors related to such a Purchase Order must be disputed within 1 hour from Seller's receipt of the Purchase Order. Confirming Purchase Orders are not accepted by Seller. If such a confirming Purchase Order is sent to Seller, it may be treated as an original open Order and duplicated. Seller will not be responsible for expenses or inconveniences incurred thereby. If Buyer's Order is in the form of a blanket Purchase Order, Buyer agrees that each release shall be treated as a separate sales transaction hereunder, that all releases shall be non-cancelable and, unless agreed in writing by Seller, all releases under such blanket Purchase Order shall be accepted by Buyer within 12 months of Seller's Order acknowledgement. If the aggregate purchase price of goods pursuant to a Purchase Order is under \$50, or such other amount that is agreed to from time to time by the parties, then the cost of such goods shall be rounded up to that minimum order value.

Order Cancellation/Amendment. Orders cannot be canceled or amended except with Seller's consent. Cancellation charges may be applied at Seller's discretion. Seller may, in its sole discretion and without liability, alter the specifications for any goods.

Acceptance. Buyer shall conduct any incoming inspection tests on the goods within 5 days of delivery. In the event of any shortage, damage or discrepancy in or to a shipment of goods or pricing discrepancies, Buyer shall promptly give notice, but in no event later than within 15 days of delivery thereof to Seller and shall furnish such written evidence or other documentation as Seller reasonably may deem appropriate. If such evidence indicates, in Seller's reasonable judgment, that such shortage, damage or discrepancy existed at the time of delivery of the goods to the carrier, Seller shall promptly deliver additional or substitute goods to Buyer; provided, however, that Seller may, in its sole discretion, require Buyer to return all damaged goods prior to delivery of substitute goods. If Buyer shall fail to timely give Seller such written notice, the goods shall be deemed to conform to the warranty and Buyer shall be deemed to have accepted the goods and shall pay for the goods in accordance herewith.

Termination. Seller shall have the right to cancel for default hereunder all or any part of Buyer's order. This right of cancellation is in addition to and not in lieu of any other remedies which Seller may have in law or equity.

Returns. Returns without the proper paperwork will not be accepted. Once the return paperwork has been received by the buyer, that return goods authorization will expire in 30 days. No goods shall be returned to Seller without Seller's prior written authorization to Buyer to make such returns and must be returned within 30 days of such authorization at Buyer's cost. If Buyer returns goods in the manner required under the previous sentence, and if the returned goods are (a) in new, unused, unopened and undamaged condition; and (b) not more than 12 months after the original invoice date; the returned goods will, subject to the applicable handling charge, be accepted by Seller for return. Used or discontinued goods or parts or goods specially manufactured will not be accepted for credit unless specifically agreed to by Seller in its sole discretion. Buyer's sole remedy for returns of goods shall be a credit for the purchase price less any handling charges. Normal returned goods are subject to a 10% restocking fee. Some returns, such as inventory returns, are subject to a 25% restocking fee, unless otherwise approved by Midland. Returns found to be free of material and workmanship defects will be held for 20 days and if Buyer does not provide Seller repair or return instructions, the Seller will scrap the goods.

Buyer's Specifications. Buyer shall be solely responsible for ensuring that all specifications, drawings, information, advice, recommendations or requests provided to Seller by Buyer or any of its agents are accurate and suitable. Seller's examination or consideration of any such specifications, drawings, information, advice, recommendations or requests shall not result in any liability on the part of Seller.

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Seller Warranty. Seller warrants that goods sold hereunder are warranted to be free from defects in material and workmanship for a period of one year from the date of invoice when used according to the manufacturer's recommended usage and in an ordinary manner. Seller's liability for breach of this warranty is limited to the repair of or replacement in kind or credit, at Seller's option, of any items proved defective, in Seller's reasonable discretion, provided the allegedly defective goods are returned to Seller prepaid. All costs and expense related to shipping of any replacement parts or goods shall be paid by Seller if there is a breach of this warranty but Buyer shall pay for all installation costs. Buyer must provide prompt written notice to Seller of any breach of this warranty to obtain its benefits. THE WARRANTY EXPRESSED ABOVE IS IN LIEU OF AND EXCLUSIVE OF ALL OTHER WARRANTIES. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, EXCEPT AS STATED HEREIN. THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE SPECIFICALLY DISCLAIMED. SELLER'S LIABILITY FOR BREACH OF WARRANTY IS AS HEREIN STATED AND IS THE EXCLUSIVE REMEDY AND IN NO EVENT SHALL SELLER BE LIABLE OR RESPONSIBLE FOR INCIDENTAL, SPECIAL, INDIRECT, PUNITIVE, OR CONSEQUENTIAL DAMAGES OR LOST PROFITS, OR EVEN IF THE POSSIBILITY OF SUCH INCIDENTAL, SPECIAL, INDIRECT, PUNITIVE OR CONSEQUENTIAL DAMAGES, OR LOST PROFITS HAS BEEN MADE KNOWN TO SELLER. THE WARRANTY SET FORTH ABOVE IS SOLELY FOR THE BENEFIT OF BUYER. **All claims hereunder shall be made by Buyer and not by Buyer's customers.** It shall not be deemed a "defect," and Seller will not be liable under the warranty in this Section 11, if the goods have been exposed to any: (1) maintenance, repair, or other use that is improper for the good's ordinary use or otherwise not in compliance with Seller's instruction; (2) goods alteration, modification or repair by anyone other than Seller or authorized by Seller; (3) damage after shipment to Buyer; (4) improper voltage or wiring; or (5) use of parts that are not 100% compatible with the goods.

Buyer Warranty. Buyer shall provide a no defect in materials or workmanship warranty with respect to each product sold to an end customer for a period not less than the then remaining warranty period related to such product and afforded to Buyer pursuant to Section (Seller Warranty) above. Except with respect to the remedies provided by Seller to Buyer under Section (Seller Warranty), any other warranties or representations, or remedies for breach thereof, which Buyer may provide to its end customers shall be the sole responsibility of Buyer, and Seller shall not be bound thereby. Unless Buyer receives Seller's prior written consent, Buyer will not sell Seller's products to end-users or intermediaries that sell to end-users that will use or sell the products in a nuclear or in-aircraft application or for any other application that Seller may notify Buyer of in writing.

Damages Amount Limitation. Other than as set forth in Section (Buyer Indemnification) and any breaches of Section (Confidentiality) hereof, Seller's cumulative liability for damages to Buyer for any cause whatsoever, and regardless of the form of action, whether in contract or in tort, including, but not limited to, negligence, shall be limited to the total contract price of the goods sold hereunder, plus or minus, as applicable, the amounts of all unpaid accounts payable and receivable between the parties, if any.

Damages Limitation. In no event shall Seller's liability of any kind include any special, indirect, incidental or consequential loss or damage or lost profits, even if Seller shall have been advised of the possibility of such potential loss or damage.

Sole Remedy. The sole and exclusive remedy for breach of any non-warranty obligation of Seller and the sole remedy for Seller's liability of any kind (including liability for negligence) with respect to the goods and services provided to Buyer shall be to use all commercially reasonable efforts to promptly cure such breach. Buyer must commence any suit for a cause of action arising hereunder within one year from the date in which the facts that gave rise to the cause of action first occurred.

Buyer Indemnification. Buyer shall hold harmless, indemnify and defend (at Seller's request) Seller for any and all damages, liabilities, costs and expenses (including any costs of litigation, including but not limited to, attorneys' fees and any other costs and expenses), fines, or losses in connection with any threatened or actual claims, actions, demands, investigations, or suits, including, but not limited to, claims or suits by third parties, arising out of any of the following: (a) Buyer's negligent or willful acts, or those of its employees and/or agents, (b) such goods being repaired or altered by persons other than Seller (unless expressly authorized in writing by Seller), (c) in the event that Buyer modifies, or combines with any non-Seller goods, any of the goods purchased from Seller, and such modification or combination results in the actual or alleged infringement of any intellectual property rights of any third party, (d) from goods produced by Seller according to Buyer's specifications, (e) any violations of export control laws by Buyer, or (f) Buyer's breach of any provision in these T&Cs.

Confidentiality. "Confidential Information" means any of Seller's business information, specifications and all related writings, drawings, designs and similar works or any other information which is disclosed by Seller and labeled or marked as confidential, proprietary or its equivalent, or oral or visual information that is designated confidential, proprietary or its equivalent at the time of its disclosure. All Confidential Information shall be the exclusive property of Seller, and Seller retains all its right, title and interest. Buyer agrees to use Confidential Information for the exclusive purpose of performance under the Purchase Order and not to disclose or provide any Confidential Information to any third party and to take all necessary measures to prevent any such disclosure by its employees, agents, contractors or consultants. Upon request of Seller or completion of the Order, Buyer shall return all Confidential Information to Seller and provide certification of such return.

Tooling. Charges made for tools, dies, gauges, jigs, fixtures or equipment made or acquired by Seller in connection with the work do not convey title to or any proprietary interest in such tools. All such tools will remain the exclusive property of Seller.

Force Majeure. Seller shall not be liable for any failure to perform this agreement when such failure is due to circumstances beyond its control. Circumstances beyond the control of Seller shall be deemed to include, but shall not be limited to, acts of God, governmental action, accidents, labor trouble, and inability to obtain materials, equipment or transportation.

Waiver. No oral statements, recommendations or assistance given by a representative and/or distributor of Seller to Buyer or its representatives in connection with the use of the goods shall constitute a waiver by Seller of any of the provisions hereof, or affect Seller's liability herein.

Arbitration. Except for any action where the sole relief sought is an injunction, any controversy or claim arising out of or relating to these T&Cs, or the making, performance or interpretation thereof, including without limitation alleged fraudulent inducement thereof, shall be settled by binding arbitration in the city of Seller's choosing in the state of Seller's business address as shown on the Response, by one arbitrator in accordance with the Commercial Arbitration Rules of the American Arbitration Association. Judgment upon any arbitration award may be entered in any court having jurisdiction thereof.

Representation of Buyer. Buyer is duly organized, validly existing and in good standing under the laws of the state of its formation and has full corporate power and authority to own, operate or lease the properties and assets now owned, operated or leased by it and to carry on its business as currently conducted. Buyer is duly licensed or qualified to do business and is in good standing in each jurisdiction in which such licensing or qualification is necessary. The execution and delivery by Buyer of this Agreement, the performance by Buyer of its obligations hereunder and thereunder and the consummation by Buyer of the transactions contemplated

GENERAL INFORMATION

hereby have been duly authorized by all requisite corporate action on the part of Buyer, and this Agreement constitutes a legal, valid and binding obligation of Buyer enforceable against Buyer in accordance with its terms.

Risk of Loss. Commencing at the time of delivery, Buyer shall bear all risk of loss, damage, destruction, theft and condemnation to or of the Equipment from any cause whatsoever.

Events of Default. Each of the following events is an "Event of Default" under this Agreement: (a) if Buyer fails to pay when due any installment of the purchase price or any other amount under this Agreement; (b) if Buyer defaults in the observance or performance of any other term, covenant or condition of Buyer under this Agreement and Buyer shall fail to remedy such default within ten days after notice by Seller to Buyer of such default; (c) if Buyer's interest or any portion thereof in this Agreement devolve on or pass to any person, whether by operation of law or otherwise; (d) if Buyer: (i) does not, or is unable to, or admits in writing its inability to, pay its debts as they become due; (ii) commences or institutes any case, proceeding or other action seeking relief on its behalf as debtor, or to adjudicate it a bankrupt or insolvent, or seeking reorganization, arrangement, adjustment, winding up, liquidation, dissolution, composition or other relief with respect to it or its debts under any existing or future law of any jurisdiction, domestic or foreign, relating to bankruptcy, insolvency, reorganization or relief of debtors; (iii) commences or institutes any case, proceeding or other action seeking appointment of a receiver, trustee, custodian or other similar official for it or for all or any substantial part of its property; or (iv) makes a general assignment for the benefit of creditors; (e) if a receiver, trustee, custodian or other similar official is appointed for any substantial part of the assets of Buyer which appointment is not vacated or stayed within 30 days; (f) if Buyer sells, transfers or disposes of all or substantially all of its assets, or merges or consolidates with any other entity; or (g) a breach of any representation or warranty of Buyer.

Headings. The headings in this Agreement are for reference only and shall not affect the interpretation of this Agreement.

Entire Agreement. This Agreement, including any exhibits and schedules, constitutes the sole and entire agreement of the parties to this Agreement with respect to the subject matter contained herein and therein, and supersedes all prior and contemporaneous understandings, agreements, representations and warranties, both written and oral, with respect to such subject matter.

Amendment and Modification. No amendment to this Agreement is effective unless it is in writing and signed by each party to this Agreement.

Cumulative Remedies. All rights and remedies provided in this Agreement are cumulative and not exclusive, and the exercise by either party of any right or remedy does not preclude the exercise of any other rights or remedies that may now or subsequently be available at law, in equity, by statute, in any other agreement between the parties or otherwise.

Assignment. Buyer may not assign any of its rights under this Agreement without the prior written consent of Seller and provided that such assignment shall not relieve Buyer of its obligations under this Agreement, and Buyer shall remain primarily liable under this Agreement. Any purported assignment in violation of this Section is null and void.

Successors and Assigns. This Agreement is binding on and inures to the benefit of the parties to this Agreement and their respective successors and permitted assigns.

No Third-party Beneficiaries. This Agreement benefits solely the parties to this Agreement and their respective successors and permitted assigns and nothing in this Agreement, express or implied, confers on any third party any legal or equitable right, benefit or remedy of any nature whatsoever under or by reason of this Agreement.

Waiver of Jury Trial. Each party acknowledges and agrees that any controversy that may arise under this Agreement, including any exhibits attached to this Agreement, is likely to involve complicated and difficult issues and, therefore, each such party irrevocably and unconditionally waives any right it may have to a trial by jury in respect of any legal action arising out of or relating to this Agreement, including any exhibits attached to this Agreement, or the transactions contemplated hereby.

Drafting. No provision of this Agreement shall be interpreted for or against any party hereto on the basis that such party was the draftsman of such provision, and no presumption or burden of proof shall arise favoring or disfavoring any party by virtue of the authorship of any of the provisions of this Agreement.

Counterparts. This Agreement may be executed in counterparts, each of which is deemed an original, but all of which together is deemed to be one and the same agreement. A signed copy of this Agreement delivered by facsimile, e-mail or other means of electronic transmission is deemed to have the same legal effect as delivery of an original signed copy of this Agreement.

Miscellaneous. All provisions set forth herein regarding warranty, confidential information, indemnification, liability and limits thereon, and any other provisions that survive by their terms will survive any termination or expiration of any Response delivered in connection herewith pursuant to the terms of such sections. In the event that any provision of these terms is held to be illegal, invalid or unenforceable under any present or future law, rule or regulation, such provision shall be deemed stricken from these T&Cs, but such illegality, invalidity or unenforceability shall not invalidate any of the other provisions of these T&Cs. Buyer represents and covenants that it has, and will continue to, comply with all laws and regulations related to the goods sold hereunder, including, but not limited to, export control laws. This sale transaction shall be governed, construed and enforced solely by the laws of the State of Seller's business address as shown on the Response. The United Nations Convention on the International Sale of Goods shall not be applicable to these T & C. The relationship of Buyer and Seller is that of independent contractors.

California Customers. Midland Industries does not guarantee that all products meet California environmental laws of Proposition 65. It is the sole responsibility and liability of the Midland distributor to order products for use in California that comply with California laws.

Threading Information

Abbreviation	System Name
BSPP	British Standard Pipe Parallel
BSPT	British Standard Pipe Taper
CHT	American Standard Fire Hose Thread (1" National Hose Thread is Chemical Hose Thread , also known as Booster Hose Thread)
GHT	Garden Hose Thread (FGH - Female Garden Hose) (MGH - Male Garden Hose)
IPS	Iron Pipe Straight Thread
IPT	Iron Pipe Thread
JIC	Joint Industrial Committee
NH or NST	American Standard Fire Hose Coupling Thread (National Hose thread also known as National Standard Thread)
NPT	American Standard Taper Pipe Thread (National Pipe Tapered)
NPTF	American Standard Taper Pipe Fuel Dryseal Thread (National Pipe Tapered)(Dryseal)
NPSH	American Standard Straight Pipe for Hose Couplings (National Pipe Straight Hose)
NPSM	American Standard Straight Mechanical Joints (National Pipe Straight Mechanical)

Association Abbreviations

SAE International (SAE) is a professional organization for mobility engineering professionals in the aerospace, automotive, and commercial vehicle industries. The Society is a standards development organization for the engineering of powered vehicles of all kinds, including cars, trucks, boats, aircraft, and others.

AGA - American Gas Association

JIC - Joint Industrial Committee

ASA - American Statistical Association

ASME - American Society of Mechanical Engineers

For more detailed information, suggested sealing methods, thread compatibility, etc... visit **www.midlandindustries.com** and click on "**Knowledge Bank**"

Need help identifying a fitting?

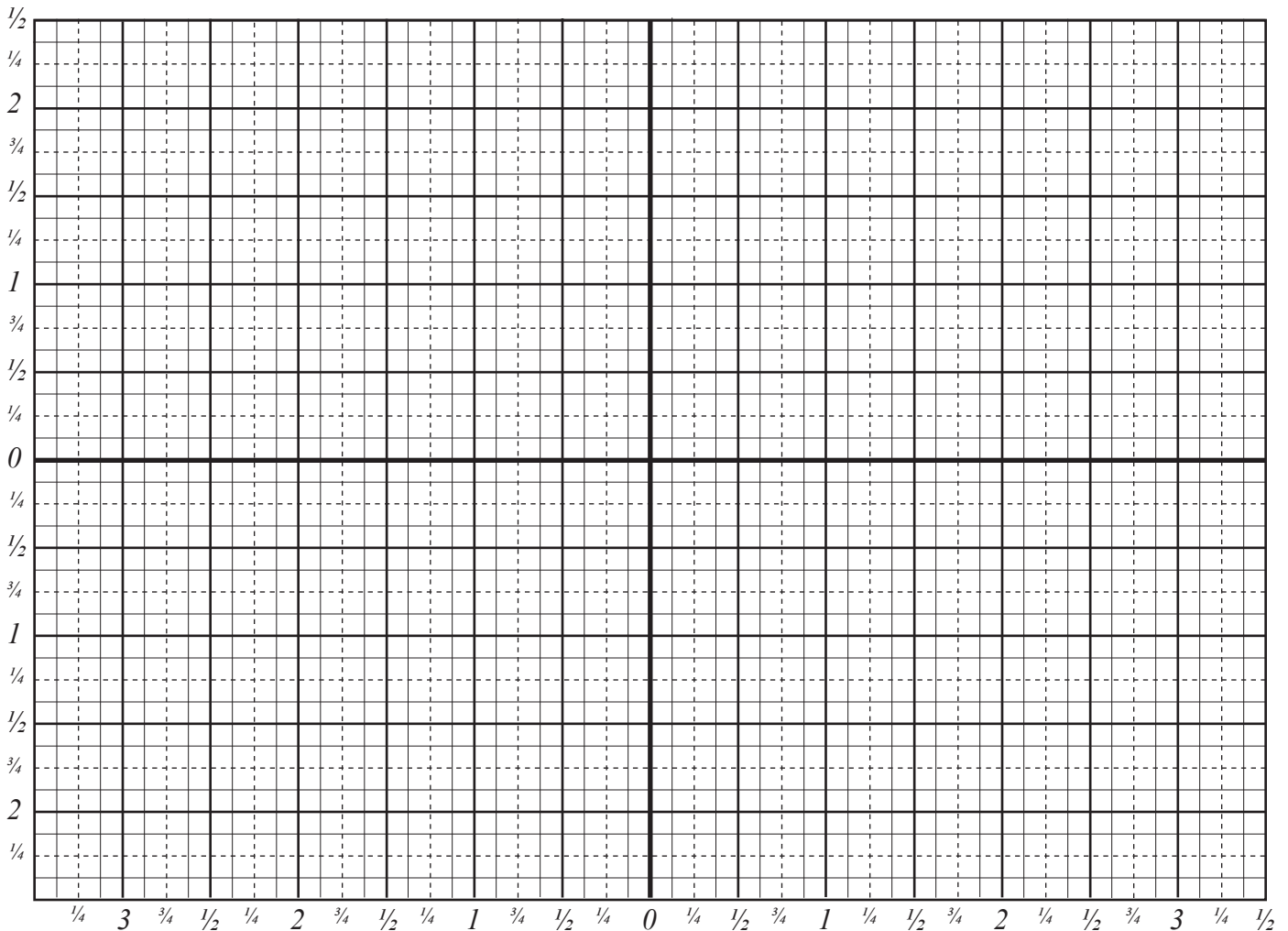
Let our engineering team assist you!

Step 1 - Determine material. (Brass, Steel, Stainless, etc...)

Step 2 - Check Threads. (See Intro page 20 for threading types)

Step 3 - Measure Outer Diameter(O.D.) , Inner Diameter (I.D.), Length and any other relevant measurement.

Step 4 - If you have the fitting with you, place it on the grid below and take a photo. If the fitting cannot be placed on the grid please use any photo available.



Step 5- Email photo of fitting along with information collected to :

engineer@midlandindustries.com

Please allow up to 1 business day for a response. If the request is urgent please call 1-800-821-5725

PLASTIC TUBING

INFORMATION

CORROSION RESISTANCE VALUES for Plastic Tubing

Ratings based on tests at 70°F and should not be exposed to higher temperature without testing

F-5000 Poly Vinyl Chloride

U-2000 Polyurethane

E-1000 Low Density Polyethylene

N-6000 Nylon

P-1100 Polypropylene

D-4000 EVA

T-7000 Teflon

U-8000 Special Plasticizers PVC

G-Good

L-Limited

P-Poor

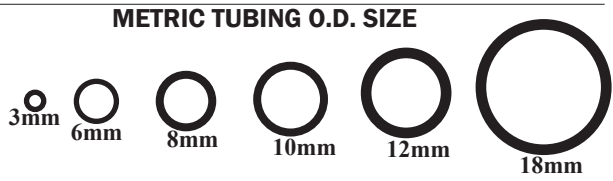
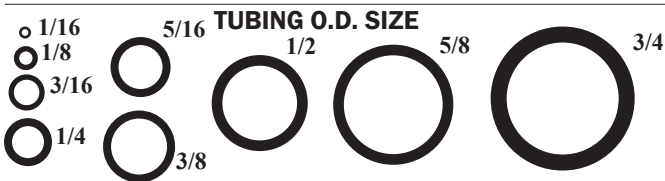
N-Not Tested

FUELS:	F	U	E	N	P	D	T	U
Butane (1).....	G	G	L	G	L	G	G	N
Diesel Fuel.....	L	G	L	G	L	P	N	G
Gasoline (regular).....	L	G	P	G	L	N	G	G
Kerosene.....	L	G	P	G	G	P	G	G
Methane (nat. gas)(1).....	G	G	L	G	G	N	N	N
Propane (1).....	G	G	L	G	L	N	N	N
OTHERS:								
Acetylene.....	N	G	G	G	G	N	N	N
Ammonia gas.....	P	G	G	G	G	G	N	N
Ammonium salts.....	G	G	G	G	G	G	N	N
Amyl acetate.....	P	P	L	G	P	P	G	N
Aniline.....	P	P	L	L	G	P	G	N
Animal oils.....	G	G	P	G	G	N	G	G
Bleach, 7%.....	G	P	G	L	L	N	N	G
Bromine.....	L	G	P	P	P	P	G	N
Butandiol.....	G	G	G	G	G	N	N	N
Calcium salts incl. Chloride....	G	G	G	G	G	N	G	G
Chlorine gas, dry.....	G	G	P	P	P	P	N	N
Dibutyl phthalate.....	N	P	L	G	L	P	N	G
Glucose.....	G	G	G	G	G	G	G	G
Glycerine.....	G	G	G	G	G	G	N	G
Hydrogen peroxide 10%.....	G	G	G	G	G	G	G	G
Hydrogen peroxide 25%.....	L	G	G	P	G	G	G	G
Hydrogen sulfide.....	G	P	G	L	G	N	G	N
Isocyanates.....	N	G	G	G	N	P	N	N
Lead salts (3).....	G	G	G	G	G	N	N	N
Magnesium salts.....	G	G	G	G	G	N	G	N
Mercury.....	G	G	G	G	G	G	N	N
Milk.....	G	G	G	G	G	G	N	G
Mineral Oil.....	G	G	L	G	L	P	G	G
Nitrous Oxide (1).....	G	G	L	G	G	N	N	N
Oxygen (1).....	G	G	G	G	G	G	G	G
Ozone, ambient.....	G	G	L	G	L	N	N	G
Paint, oil base.....	L	G	L	G	G	N	N	G
Polyglycols.....	G	G	G	G	G	N	N	N
Potassium salts.....	G	G	G	G	G	N	G	N
Pydraul.....	P	P	P	G	N	N	N	N
Pyridine.....	P	L	G	L	G	N	G	N
Salt Water.....	G	G	G	G	G	G	G	G
Silver Nitrate.....	G	G	G	G	G	G	G	N
Skydrol.....	P	P	P	G	N	N	N	N
Soap solution (conc.).....	G	G	L	G	G	N	G	G
Sodium salts.....	G	G	G	G	G	N	G	G
Sodium thiosulphate.....	G	G	G	G	G	N	G	G
Styrene.....	P	G	P	G	N	N	N	G
Trisodium phosphate.....	G	G	N	G	G	G	N	G
Ucon oil.....	G	G	G	G	N	N	N	N
Urea.....	G	G	G	G	G	N	G	G
Vegetable oils (1).....	G	G	G	G	G	P	N	G
Water at 730F.....	G	G	G	G	G	G	G	G
Water at 1400F.....	L	G	G	G	G	G	G	G
Water at 1700F.....	P	L	N	L	G	P	N	G
Whiskey, wine (1).....	N	G	G	G	G	G	N	G
Zinc Chloride.....	G	G	G	G	G	G	G	N

ACIDS & BASES	F	U	E	N	P	D	T	U
Acetic, 50%.....	G	P	P	L	G	P	G	G
Boric.....	G	G	G	G	G	G	G	G
Carbolic (phenol).....	P	P	G	P	G	P	N	N
Fatty.....	G	G	P	G	G	N	G	N
Formic, 90%.....	G	P	G	P	G	G	G	G
Hydrochloric, 10%.....	G	G	G	L	G	G	G	G
Hydrochloric, 25%.....	G	L	G	P	G	L	G	G
Hydrochloric, 50%.....	G	L	G	P	G	L	G	G
Hydrocyanic, 50%.....	L	P	G	P	G	G	G	G
Maleic.....	G	P	G	G	G	N	N	N
Nitric, 10%.....	G	P	G	L	G	L	G	G
Nitric, 30%.....	G	P	G	P	L	L	G	G
Oleic.....	L	G	L	G	G	P	N	N
Phosphoric, 25%.....	G	L	G	G	G	G	N	N
Sulfuric, 30%.....	G	L	G	L	G	L	G	G
Sulfuric, 70%.....	L	P	P	P	G	P	G	G
Sulfuric, 98%.....	P	P	P	P	G	P	G	G
Sulfurous, 30%.....	G	P	G	L	G	N	G	G
Tannic.....	G	P	G	G	G	N	G	G
Ammonium hydroxide, 25%.....	P	G	L	G	G	G	N	N
Potassium hydroxide, 25%.....	L	G	G	G	G	G	G	G
Sodium hydroxide, 50%.....	G	G	G	G	G	L	G	G

SOLVENTS:	F	U	E	N	P	D	T	U
Acetone.....	P	P	G	G	L	P	G	G
Benzene.....	P	L	P	G	P	P	G	G
Carbon tetrachloride.....	P	L	L	L	P	P	G	G
Chloroform.....	P	P	P	L	P	P	G	G
Cyclohexanone.....	P	P	P	G	L	P	G	G
Dimethylformamide.....	P	P	L	N	G	N	N	N
Dioxane.....	N	N	P	G	L	N	N	N
Ethyl acetate.....	P	L	G	G	L	P	G	G
Ethyl alcohol (1).....	L	G	G	L	G	G	G	G
Ethyl ether.....	L	L	G	G	L	P	N	N
Ethylene glycol.....	G	G	G	G	G	G	N	N
Formaldehyde.....	G	G	G	G	L	N	N	N
Freon - 12'.....	L	L	G	G	L	N	G	G
Methyl alcohol.....	L	G	G	L	G	N	N	N
Methylene chloride.....	P	P	L	G	L	P	N	N
Methyl ethyl ketone.....	P	P	G	G	L	P	N	N
Naphthas (2).....	P	G	P	G	L	P	G	G
Tolulene.....	P	G	P	G	L	P	N	N
Triclorethylene.....	P	P	P	L	P	P	G	G
Turpentine.....	G	G	P	G	L	P	G	G
Xylene.....	P	G	P	G	L	P	N	N

HYDRAULIC FLUIDS:	F	U	E	N	P	D	T	U
Diester base grease.....	N	G	P	G	L	P	N	N
Petroleum base grease.....	G	G	L	G	L	P	N	N
Phosphate ester.....	L	P	P	G	G	N	N	N
Polyol ester.....	P	N	P	G	G	N	N	N
Water-glycol.....	G	G	G	G	G	N	N	N
SAE motor oils.....	G	G	G	G	G	N	N	N
Machine oil.....	G	G	L	G	L	N	N	N
MIL-L-7808 H.....	G	G	L	G	G	N	N	N
Brake Fluid.....	N	N	N	N	N	N	N	N



CONVERSION CHART

INFORMATION

Conversion chart

Fraction / Decimal / mm

Fraction	Decimal	mm
1/64	0.0156	0.3969
1/32	0.0313	0.7938
3/64	0.0469	1.1906
1/16	0.0625	1.5875
5/64	0.0781	1.9844
3/32	0.0938	2.3813
7/64	0.1094	2.7781
1/8	0.125	3.175
9/64	0.1406	3.5719
5/32	0.1563	3.9688
11/64	0.1719	4.3656
3/16	0.1875	4.7625
13/64	0.2031	5.1594
7/32	0.2188	5.5563
15/64	0.2344	5.9531
1/4	0.25	6.35
17/64	0.2656	6.7469
9/32	0.2813	7.1438
19/64	0.2969	7.5406
5/16	0.3125	7.9375
21/64	0.3281	8.3344
11/32	0.3438	8.7313
23/64	0.3594	9.1281
3/8	0.375	9.525
25/64	0.3906	9.9219
13/32	0.4063	10.3188
27/64	0.4219	10.7156
7/16	0.4375	11.1125
29/64	0.4531	11.5094
15/32	0.4688	11.9063
31/64	0.4844	12.3031
1/2	0.5	12.7

Fraction	Decimal	mm
33/64	0.5156	13.0969
17/32	0.5313	13.4938
35/64	0.5469	13.8906
9/16	0.5625	14.2875
37/64	0.5781	14.6844
19/32	0.5938	15.0813
39/64	0.6094	15.4781
5/8	0.625	15.875
41/64	0.6406	16.2719
21/32	0.6563	16.6688
43/64	0.6719	17.0656
11/16	0.6875	17.4625
45/64	0.7031	17.8594
23/32	0.7188	18.2563
47/64	0.7344	18.6531
3/4	0.75	19.05
49/64	0.7656	19.4469
25/32	0.7813	19.8438
51/64	0.7969	20.2406
13/16	0.8125	20.6375
53/64	0.8281	21.0344
27/32	0.8438	21.4313
55/64	0.8594	21.8281
7/8	0.875	22.225
57/64	0.8906	22.6219
29/32	0.9063	23.0188
59/64	0.9219	23.4156
15/16	0.9375	23.8125
61/64	0.9531	24.2094
31/32	0.9688	24.6063
63/64	0.9844	25.0031
1	1	25.4

	Midland	Parker	Tomco	Amflo	Breco	Milton	Dixon	Hansen	Foster
Industrial Interchange 1/4	28560	UC304F-4	UC2-16	C60		745			
	28579	UC304M-4	UC2-15	C61		746			
	28589	UC304M-6	UC2-20	C61-03					
	28551	B22A	M180	C20-01	B2CM1-B		DC2101	900	2903
	28552	B22	M181	C21	B2CM2-B	716M	DC21	1100	3103
	28553	B22E	M182	C21-03	B2CM3-B	719M	DC2103	1300	3303
	28539	B23A	M183	C20-21	B2CF1-B		DC2021	800	2803
	28540	B23	M184	C20	B2CF2-B	715M	DC20	1000	3003
	28541	B23E	M185	C20-23	B2CF3-B	718M	DC2023	1200	3203
	28562	B20-3B	M186	C20-42	B2CS2-B	717M	DC2042		
	28564	B20-5B	M187		B2CS3-B	717-6M	DC2044	1700	3703
	28565	B20-3BP	M189	C20-42L	B2CPS2-B	1717-4M	DC2042L	1600P	1513
	28566	B20-5BP	M190	C20-44L	B2CPS3-B	1717-6M	DC2044L	1700P	1713
	28545	H0C	1802	CP21-01	BB2M1-S	726	DCP2101	12	12-3
	28546	H2C	1804	CP21	BB2M2-S	727	DCP21	10	10-3
	28547	H2C-E	1806	CP21-03	BB2M3-S	733	DCP2103	14	14-3
	28533	H1C	1803	CP20-21	BB2F1-S	729	DCP2021	13	13-3
	28534	H3C	1805	CP20	BB2F2-S	728	DCP20	11	11-3
	28535	H3C-E	1807	CP20-23	BB2F3-S	732	DCP2023	15	15-3
	28557	H8C	1824	CP21-42	BB2S2-S	736	DCP2142	16	16-3
	28559	H9C	1826	CP21-44	BB2S3-S	736-6	DCP2144	17	17-3
	28558	H8CP	1850	CP21-42L	BB2PS2-S	1736-4	DCP2142L		51-3
	28561	H9CP	1860	CP21-44L	BB2PS3-S	1736-6	DCP2144L		71-3
	28515	B12A	A2180	C1-01	B2JM1-B		DC101	B21QS-12M	TF2903
	28516	B12	A2181	C1	B2JM2-B	786	DC1	B21QS-25M	TF3103
28517	B12E	A2182	C1-03	B2JM3-B	789	DC103	B21QS-37M	TF3303	
28506	B13A	A2183	C2-21	B2JF1-B		DC221	B21QS-12F	TF2803	
28507	B13	A2184	C2	B2JF2-B	785	DC2	B21QS-25F	TF3003	
28508	B13E	A2185	C2-23	B2JF3-B	788	DC223	B21QS-37F	TF3203	
28528	B10-3B	A2186	C2-42	B2JS2-B	786-4	DC242	B21QS-25H	TF3603	
28530	B10-5B	A2188	C2-44	B2JS3-B	786-6	DC244	B21QS-37H	TF3703	
28531	B10-3BP	A2189	C2-42L	B2JPS2-B	1786-4	DC242L	B21QS-25HP	TF1513	
28532	B10-5BP	A2190	C2-44L	B2JPS3-B	1786-6	DC244L	B21QS-37HP	TF1713	
28509	0C	2152	CP1-01	BJ2M1-S		DCP101		TF12	
28510	2C	2154	CP1	BJ2M2-S	783	DCP1	21AP-25M	TF10	
28511	2C-E	2156	CP1-03	BJ2M3-S		DCP103	21AP-37M	TF14	
28500	1C	2153	CP2-21	BJ2F1-S		DCP221		TF13	
28501	3C	2155	CP2	BJ2F2-S	784	DCP2	21AP-25F	TF11	
28502	3C-E		CP2-23	BJ2F3-S		DCP223	21AP-37F	TF15	
28518	8C	2164	CP1-42	BJ2S2-S	783-4	DCP142	21AP-25H	TF16	
28520	9C	2166	CP1-44	BJ2S3-S	783-6	DCP144	21AP-37H	TF17	
28521	8CP	2150	CP1-42L	BJ2PS2-S	1783-4	DCP142L		TF51	
28522	9CP	2160	CP1-44L	BJ2PS3-S	1783-6	DCP144L		TF71	
28592		A102		B20M1-B					
28593	B52	A101	C45	B20M2-B	776	DC37	20AS-25M	210-3103	
28594	B52E	A107		B20M3-B		DC3703	20AS-37M	210-3303	
28583		A103		B20F1-B					
28584	B53	A100	C38B	B20F2-B	775	DC38	20AS25F	210-3003	
28585	B53E	A106		B20F3-B		DC3823	20AS37F	210-3203	
28601		A104		B20S2-B	776-4	DC3842			
28603		A105		B20S3-B	776-6	DC3844			
28586		202		B02M1-S				210-12	
28587	A2C	200	CP37	B02M2-S	777	DCP37	20AP-25M	210-10	
28577		302		B02F1-S					
28578	A3C	300	CP38	B02F2-S	778	DCP38		210-11	
28595	A8C	400	CP37-42	B02S2-S	777-7	DCP3742			
28597		500		B02S3-S	777-6	DCP3744			
28667	BST-1M	ST1M	CST1B	1STM1-B				12MS	
28665	BST-2M	ST2M	CST3B	2STM2-B	1762	STMC2	2-S15	25MS	
28666	BST-3M	ST3M	CST5B	3STM3-B		STMC3	3-S20	38MS	
28668	BST-4M	ST4M	CST7B	4STM4-B		STMC4	4-S25	50MS	
28669	BST-6M	ST6M				STMC6	6-S30	75MS	
28670	BST-8M	ST8M				STMC8	8-S35	100MS	
28671	BST-1	ST1	CST2B	1STF1-B				12FS	
28651	BST-2	ST2	CST4B	2STF2-B	1761	STFC2	2-S16	25FS	
28652	BST-3	ST3	CST6B	3STF3-B		STFC3	3-S21	38FS	
28672	BST-4	ST4	CST8B	4STF4-B		STFC4	4-S26	50FS	
28673	BST-6	ST6				STFC6	6-S31	75FS	
28674	BST-8	ST8				STFC8	8-S36	100FS	
28675	ST-N1M	SP1M-S	CPST1	ST1M1-S				12MP	
28639	ST-N2M	SP2M-S	CPST3	ST2M2-S	1763	STMP2	2-T15	25MP	
28640	ST-N3M	SP3M-S	CPST5	ST3M3-S		STMP3	3-T20	38MP	
28676	ST-N4M	SP4M-S	CPST7	ST4M4-S		STMP4	4-T25	50MP	
28677	ST-N6M	SP6M-S				STMP6	6-T30	75MP	
28678	ST-N8M	SP8M-S				STMP8	8-T35	100MP	
28688	ST-N1	SP1-S	CPST2	ST1F1-S					
28619	ST-N2	SP2-S	CPST4	ST2F2-S	1764	STFP2	2-T16	25FP	
28620	ST-N3	SP3-S	CPST6	ST3F3-S		STFP3	3-T21	38FP	
28679	ST-N4	SP4-S	CPST8	ST4F4-S		STFP4	4-T26	50FP	
28680	ST-N6	SP5-S				STFP6	6-T31	75FP	
28681	ST-N8	SP6-S				STFP8	8-T3	100FP	
28682		1102							
28683	B72	1101	C27	B-2LM2-B	794	DC27		LM3103	
28684	B73	1100	C28	B-2LF2-B	790	DC28		LM3003	
28685		1106							
28686	L2C	1109	CP27	B-L2M2-S	791	DCP27		LM10	
28687	L3C	1110	CP28	B-L2F2-S	792	DCP28		LM11	
98823	24C	T410	C25-02	B-3CM2-S	1834	DC2502	410	4104	
98824	24	T430	C25	B-3CM3-S	1836	DC25	430	4304	
98810	25C	T400	C26-22	B-3CF2-S	1833	DC2622	400	4004	
98811	25	T420	C26	B-3CF3-S	1835	DC26	420	4204	
98814	H0E	T40	CP25-02	B-B3M2-S	1839	DCP2502	40	40-4	
98815	H2E	T42	CP25	B-B3M3-S	1837	DCP25	42	42-4	
98801	H1E	T41	CP26-22	B-B3F2-S	1840	DCP2622	41	41-4	
98802	H3E	T43	CP26	B-B3F3-S	1838	DCP26	43	43-4	

STRAIGHTS JIC FLARE 37°

INFORMATION

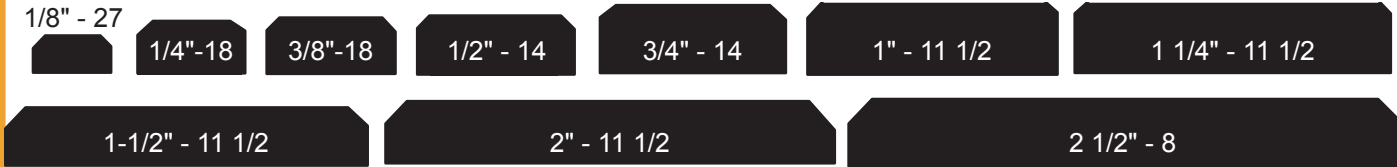
Thread Chart

DASH SIZE	2	3	4	5	6	7	8	10	12	14	16	20	24	32	40	48
O.D. TUBING SIZE	1/8	5/32	3/16	1/4	5/16	3/8	7/16	1/2	3/4	7/8	1	1-1/4	1-1/2	2	2-1/2	3
STANDARD PIPE SIZE N.P.T.F. (DRYSEAL)*	1/8-27		1/4-18		3/8-18		1/2-14		3/4-14		1-11 1/2	1 1/4-11 1/2	1 1/2-11 1/2	2-11 1/2	2 1/2 -8	3-8
S.A.E. 45° FLARE	5/16-24		7/16-20	1/2-20	5/8-18	11/16-16	3/4-16	7/8-14	1 1/16-14	1 1/4-12	1 3/8-12					
INVERTED FLARE	5/16-24		7/16-24	1/2-20	5/8-18	11/16-18	3/4-18	7/8-18	1 1/16-16							
J.I.C. 37° FLARE	5/16-24		7/16-20	1/2-20	9/16-18		3/4-16	7/8-14	1 1/16-12	1 3/16-12	1 5/16-12	1 5/8-12	1 7/8-12	2 1/2-12	3-12	3 1/2-12
COMPRESSION	5/16-24	5/16-24	7/16-24	1/2-24	9/16-24	5/8-24	11/16-20	13/16-18	1 -18	1 1/8-18						
FLARELESS																
COMPRESSION (PLASTIC TUBE)	5/16-24		3/8-24	7/16-24	1/2-24		11/16-20									
AIR BRAKE - PLASTIC TUBE			7/16-24		17/32-24		11/16-20	13/16-18	1 -18							
AIR BRAKE - COPPER TUBE			7/16-24	1/2-24	17/32-24		11/16-20	13/16-18	1 -18							
DOUBLE COMPRESSION	5/16-24		7/16-24	1/2-20	9/16-20		11/16-16									
STEEL																
COMPRESSION (HIGH PRESSURE)	5/16-24		7/16-20	1/2-20	9/16-18		3/4-16	7/8-14	1 1/16-12	1 3/16-12	1 5/16-12	1 5/8-12	1 7/8-12	2 1/2-12		
S.A.E. O-RING	5/16-24		7/16-20	1/2-20	9/16-18		3/4-16	7/8-14	1 1/16-12	1 3/16-12	1 5/16-12	1 5/8-12	1 7/8-12	2 1/2-12		
INTERNAL O-RING			1/2-20	9/16-18	5/8-18		7/8-14	1 -14	1 1/8-12	1 1/2-12	1 3/4-12	2 -12				
NPSM SWIVEL THREAD	1/8-27		1/4-18		3/8-18		1/2-14		3/4-14		1-11 1/2	1 1/4 -11 1/2	1 1/2 - 11 1/2	2-11 1/2		
FLAT FACE THREAD			9/16-18		11/16-16		13/16-16	1-14	1 3/16-12		1 7/16-12	1 11/16-12	2-12			
BRITISH THREAD BSPP/BSPT	1/8-28		1/4-19		3/8-19		1/2-14		3/4-14		1-11	1 1/4-11	1 1/2-11	2-11		
METRIC THREAD	10		14	16	18	20	22	24	26	27	30	33	36	42	48	
CODE 61			M12x1.5	M14x1.5	M16x1.5	M18x1.5	M20x1.5	M22x1.5	M24x1.5	M26x1.5	M27x2.0	M30x2.0	M33x2.0	M36x2.0	M42x2.0	M48x2.0
FLANGE HEAD O.D							1.19	1.335	1.50		1.75	2.00	2.38	2.81	3.31	4.00
CODE 62																
FLANGE HEAD O.D							1.25		1.62		1.88	2.12	2.50	3.12		

THREAD PROFILES

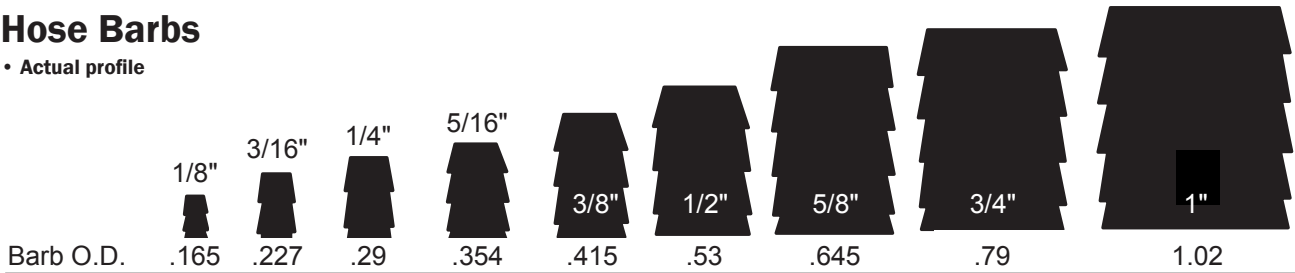
INFORMATION

Pipe Threads



Hose Barbs

• Actual profile



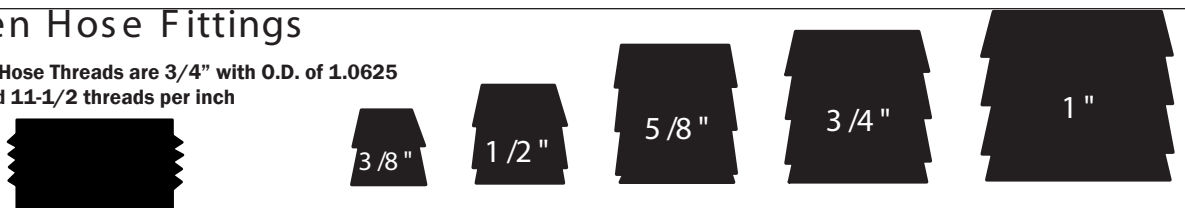
Push-On Barbs

• Actual profile

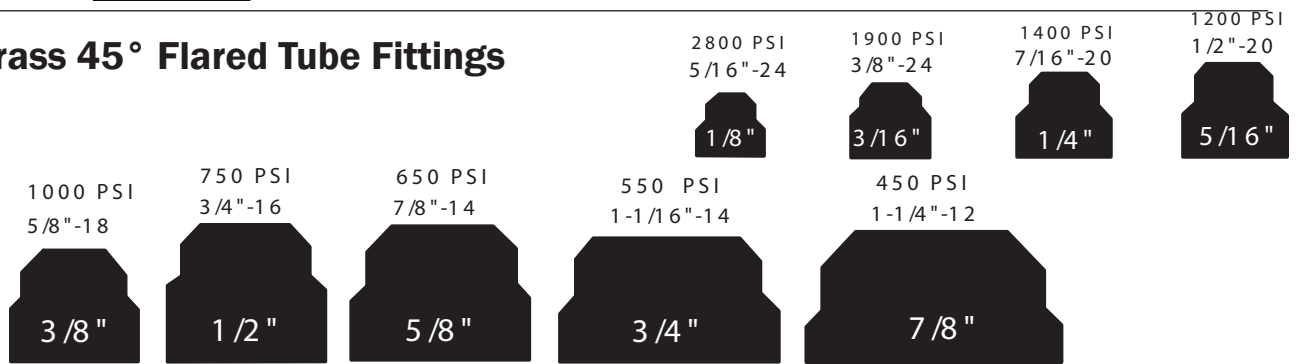


Garden Hose Fittings

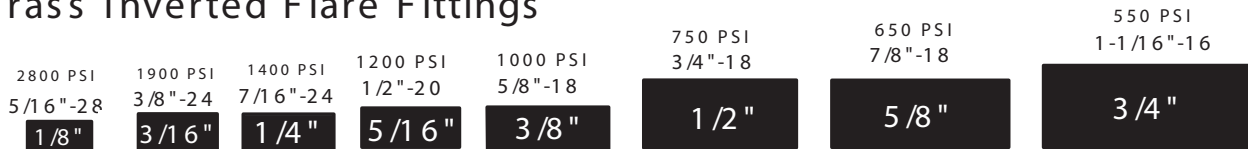
Male Garden Hose Threads are 3/4" with O.D. of 1.0625 and 11-1/2 threads per inch



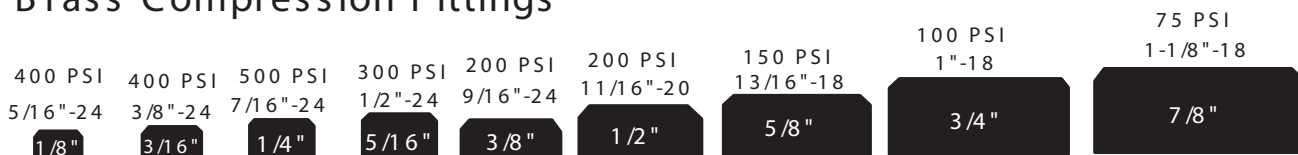
Brass 45° Flared Tube Fittings



Brass Inverted Flare Fittings



Brass Compression Fittings



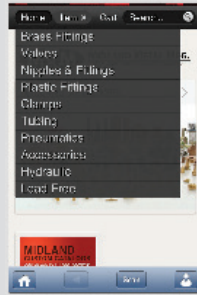
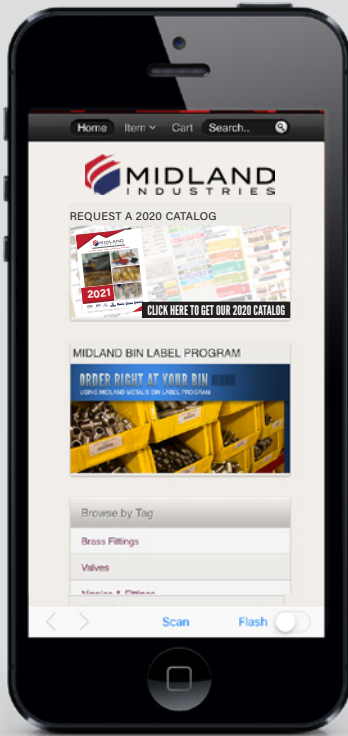
Tubing O.D. Size



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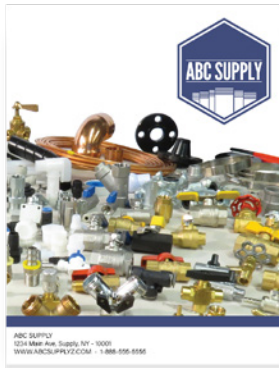
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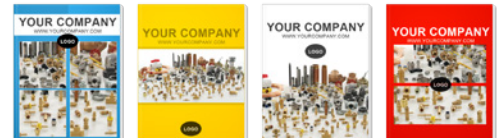
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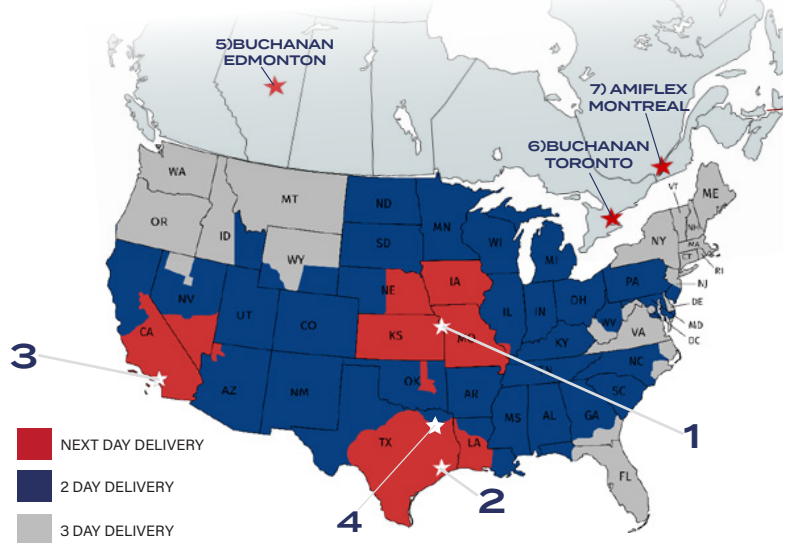
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