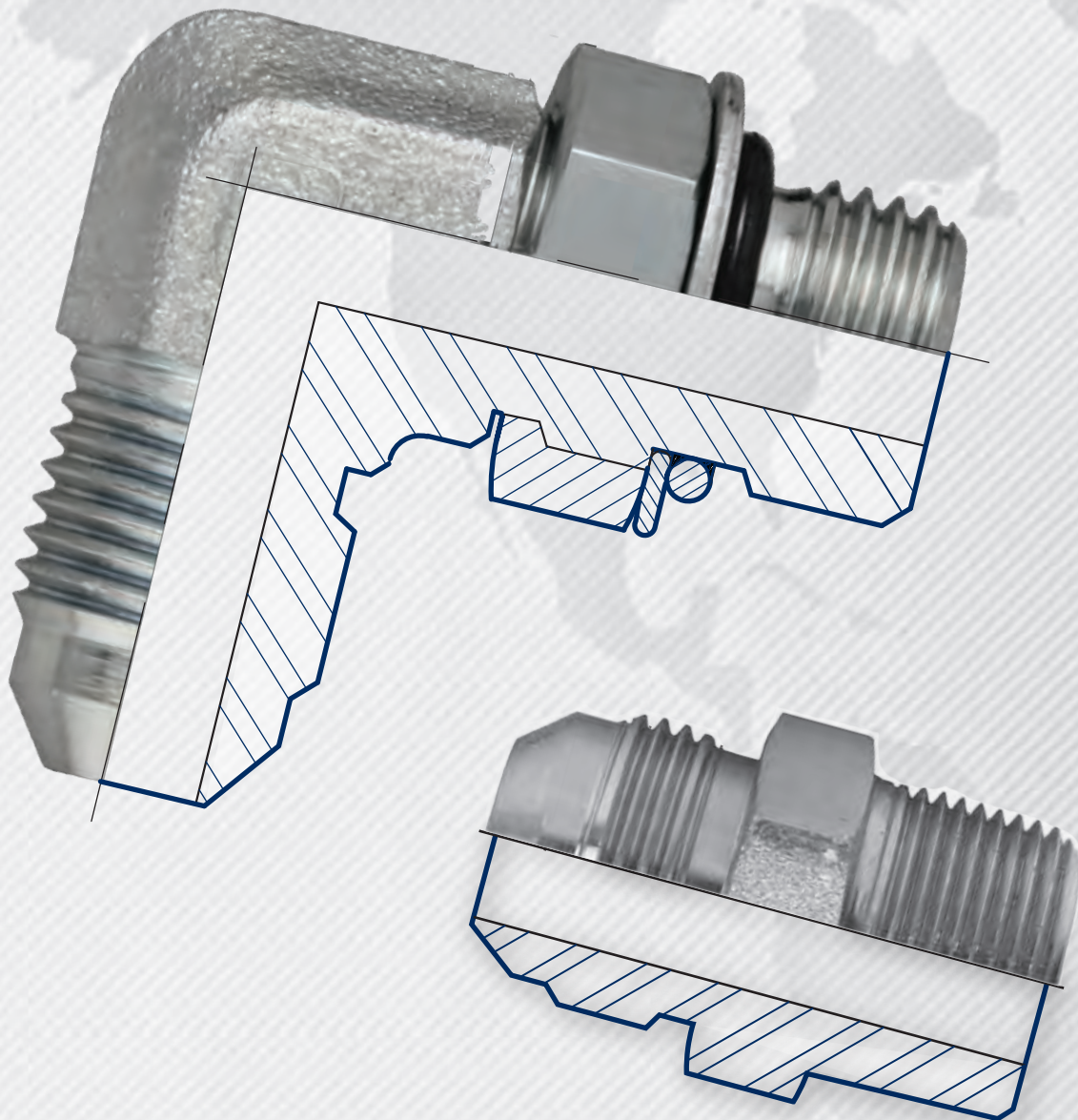


\$3.00 U.S.

PRESSURE CONNECTIONS CORP.

Your Quality Connection



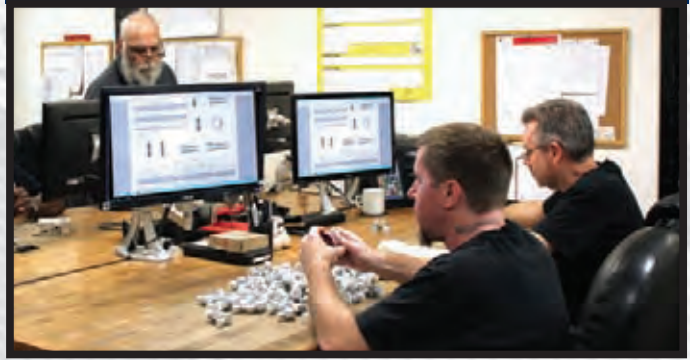
Steel Tube Fittings & Adaptors





Our trained Quality Assurance Personnel follow a rigid inspection program to ensure that our fittings meet or surpass the strictest requirements of SAE.

Quality Assurance Lab



Engineering

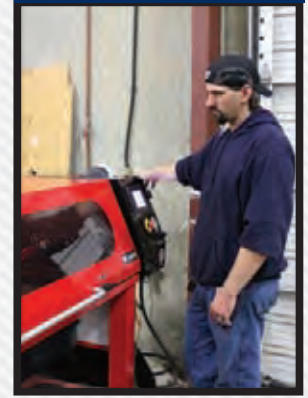


We design our products to the strictest requirements of SAE, and improve our designs as we solve problems or reflect the latest changes in SAE design. We can also design custom fittings to fit your needs.

Optical Comparator



Pressure Test Stand



Precision Instruments



All equipment is calibrated at regularly scheduled intervals. Records and instrument serial numbers are kept on file to guarantee the accuracy of every inspection.



Our Glastonbury Southern Gage trained personnel use only certified instrumentation and equipment in the quality process giving you leak free performance.



ISO 9001:2008*
Audit

"The Corrective Preventive Action program you've setup at Pressure Connections is top notch. It is one of the best I've seen."

ISO Auditor
W.J. Davis
Quality Assurance Systems Inc.

Coordinate Measuring Machine (CMM)



Only a CMM can verify that an OFS groove is manufactured to exact SAE J1453 specifications. We use a state-of-the-art CMM to measure the latest OFS "dovetail" and standard OFS groove designs.

"How can an OFS fitting leak?"

The Answer: Grooves that are too small or too large don't apply the correct pressure on the O-ring to seal properly.



Quality Symbol

PRESSURE CONNECTIONS CORP.

* ISO 9001:2015 Pending Summer 2018

Quality Assurance Points



Coordinate Measuring Machine - CMM

Male O-Ring Face Seal Groove Diameters: The CMM is the only way to identify and discard out of spec OFS grooves that will not give the correct *Fill & Squeeze* (1) for the O-ring to seal properly.

Internal Flares like Female JIC and Female JIC Swivel: The CMM enables us to identify and discard parts that have incorrect sealing angles.

Female O-Ring Boss Counter Bore Angles: The CMM identifies and discards the angles that will not give the proper *Fill & Squeeze* (1) of the O-ring for a proper seal.

Optical Comparator

The **QUADRA-CHEK 2000** is used to identify and discard out of spec JIC nose diameters and 37° angles.

Male JIC Nose Diameters: We discard small diameters that will distort the sealing surface and prevent a proper seal.

Male JIC 37° Angles: We reject the sealing angles that won't seal properly.

Fixed Pitch *Glastonbury Southern Gauge* Thread Gauges



Third-Party Calibration on a regular, computer-scheduled basis.

Long-Form Certifications for each newly purchased gauge & recalibration.

No-Go Gauges: No-Go gauges enable us to identify parts that have insufficient thread material. Insufficient threaded parts cannot reliably handle the PSI ratings set forth by SAE.

Go Gauges: Go gauges enable us to inspect and eliminate parts that would be difficult to install properly.

L1 / L2 Gauges: These gauges allow us to examine and discard male pipe threads that can bottom out and cause a spiral leak path.

6-Step Gauges: The 6-Step gauge facilitates inspecting and discarding parts that have flat threads that will not seal.

Calipers: Calipers assist in inspecting & discarding incorrect male O-ring diameters that can allow an improper *Fill & Squeeze* (1) or percentage of rubber in the hole.

Pressure Test Stand • Rockwell Hardness Tester • Profilometer

Profilometer - Electronically Measures Surface Finish or Smoothness

Male and Female JIC Flare, Female OFS Flat-Face, Female O-Ring Boss, and 30° chamfers.

Rockwell Hardness Tester

Tests the hardness of the steel to ensure tensile strength, which is needed to keep the connection tight.

Pressure Test Stand

Verifies burst pressure ratings.

To **Guarantee the Accuracy** of each inspection, all gauges and equipment are regularly calibrated to the strictest of ISO 9001:2008* specifications.

Our **Quality Assurance Lab** gauges and tests the parts both before and after they are plated. This ensures uniformity in the plating process. Finally, our shipping department carefully packages your order, to avoid thread damage in transit.

Should a problem arise, we will put in place a **Preventive Action** to resolve the problem. Our Quality Manager will solve it quickly, even if that means flying out to you or your customer. We won't just tell you to ship the parts back and try another batch.

Your Quality Connection



(1) *Fill & Squeeze Parker O-Ring Handbook ORD5700A, Pages 3-8 & 3-9*

* ISO 9001:2015 Pending Summer 2018

PRESSURE CONNECTIONS CORP.

Your Quality Connection

Pressure Connections has been in business since 1981 and is a certified ISO 9001:2008* Registered firm. We are dedicated to long-term customer relationships through **Our Business Philosophy, Our Vision, and Our Mission.**



Mission

To ship every order every day with **quality parts and quality packaging;** right parts, on time, every time.



Vision

To provide our customers with the highest **value** from excellent **service,** superior **quality,** and a competitive **price.**

We Support Urban Ministry

You support responsible urban ministries with every purchase from Pressure Connections, including Urban Concern, and Youth for Christ - City Life Center. Check them out on the web at www.urbanconcern.org and www.coyfc.org.



1-Year Warranty

PCC warrants to the customer that the equipment and parts (excluding wear parts) will be free from defects in material and workmanship under normal use and service for a period of three hundred sixty-five (365) days after delivery to customer, or 2,000 hours of normal use. Any warranty claims not submitted in writing by customer to PCC within the applicable warranty period and within thirty (30) days of discovery of defect will be deemed waived. The obligation of PCC shall be limited to the repair or replacement ex works facility designated by PCC (excluding shipping costs, to be paid by customer), of the equipment or such parts which PCC determines were defective in material or workmanship under normal storage, use and service. This warranty applies only to new equipment and parts and expressly excludes wear parts. This warranty shall not apply to items manufactured by others attached to or incorporated in the equipment and/or parts, or to which the equipment and/or parts are attached or incorporated, and customer's recourse for defects in such equipment and/or parts of others shall be exclusively against the manufacturer of the equipment and/or parts under the terms of the PCC's warranty. This limited warranty does not apply to failures or defects of the equipment components, and/or parts (including wear parts) due to ordinary wear and tear, neglect (including but not limited to improper maintenance and storage), accident, improper installation or operation, or modification not authorized in writing by PCC (including but not limited to use of unauthorized parts or attachments). Any alteration or modification of the equipment or parts, or attaching of any parts or equipment not manufactured by PCC or not intended to be attached to the equipment or parts, or maintenance, use or operation of the equipment or parts contrary to PCC's or the manufacturer's instructions, shall at PCC's election void this warranty. This limited warranty shall extend only to the customer and is not assignable. The exclusive remedy of customer under this warranty or otherwise in connection with the equipment and for parts, shall be repair or replacement of the equipment and/or parts in accordance with this paragraph, PCC's sole and absolute discretion

From Page 208: Section 7

Quality Assurance Department

We will provide a Certificate of Conformance upon request. A Variety of certifications are available. We are confident that our Quality Assurance program and personnel will be able to satisfy any quality concerns you or your customers may have.

Furthermore, we have established a Performance Team to handle written customer evaluations of our overall performance. This team is ready to respond

Certified ISO 9000



We are a certified ISO 9001:2008* Registered firm. Our Quality Assurance program is able to provide high quality fittings and service according to ISO 9000 principles. All of the documentation needed to satisfy your quality system requirements is on hand. At your request we will provide a Corrective Action Report and Evaluation (C.A.R.E). We also have Initial Sample Inspection and Final Inspection Reports.



We strive to provide you with the best value. Our Business Philosophy and personal convictions drive our commitment to excellence. We guarantee that you will be completely satisfied with the quality of our product(s). With an industry low PPM, our products are leak-free guaranteed and our excellent service makes us easy to do business with.

* ISO 9001:2015 Pending Summer 2018

Frequently Asked Questions

Need to Return Parts?

Just call and ask for a *Returned Goods Authorization (RGA)* form. We ask that the parts be securely packaged as they'll need to be in original condition upon our inspection.

A credit will be issued toward your next order minus a 20% processing and restocking fee. We cannot fulfill return requests for damaged items, special orders, unusually high demand orders, Price On Request (POR) orders, items purchased over one year, or items not originally purchased from us. Also, we are not able to accept returns larger than 5% of your total sales.

Need Parts Urgently?

We ship all orders received by *4:30 pm E.S.T.* the same day.

All orders ship F.O.B. (Freight on Board) Columbus, OH & Houston, TX

No Time to Compare Prices?

We'll compare our prices with your other source for you. Before placing your next order with someone else, fax it to us. We'll compare prices, check stock, and fax it back ASAP to show you the difference.

Need A Special Fitting?

We are competitive on special steel adapters. Our Engineering Department can design fittings to meet your needs. Special Order and Made to Order (MTO) runs have a 10% over-run or under-run variance, which is standard in manufacturing. The invoice will be adjusted accordingly.

Have A Shipment Problem?

Call, Fax, or Email us and we'll ship your replacement parts the very same day. If you need to return parts, we'll issue an RGA to make sure you receive a credit for the parts and reimburse you for the return shipping costs. We ask that all claims be made within 5 (FIVE) days of the receipt of the material.

Need to Cancel an Order?

All we ask is that you put it in writing. Special orders, unusually high demand orders, volume priced orders, Made to Order (MTO) and Price on Request (POR) orders are considered non-cancelable, but don't worry, we'll notify you in writing before we accept an order for a non-cancelable part.

Ordering Process

Use Your Own Part Numbers

To assist our customers we show the following in our Catalogs and Website.

- Pictures / Drawings
- Reference Numbers
- Crossover Charts

If you need assistance we're here to help so please call us for any inquiries regarding your order.

Descriptions, pictures, and crossover numbers are for reference only. We'll be glad to provide detailed information upon request. Pressure Connections cannot be held responsible for typographical or pictorial errors.

Pressure Connections Reserves the Right to Update Information Without Notice.
Images of Parts are Shown in Callout Order.

Simplified Ordering Process

Save time by ordering from us

- Large Inventory
- Use Your Own Part Numbers
- On Time Delivery
- Trained and Certified Team
- Live Person Answering the Phone
- 24-Hour Fax and Email

(Business Hours: 8:00 am - 6:00 pm EST. M-F)

Discounted Terms

Our terms are 1/2% 10 / Net 30 Days. Invoices are dated the day your parts are shipped. Remember, discounts apply to 'product only' for non-C.O.D. shipments.

We're Easy to do Business With!

TUBE ASSEMBLY

Steel - Stainless Steel - Brass - Aluminum - Copper - Hydraulic Tubing



1/4" – 1 1/4" O.D. | 0.120" Wall Thickness | 37° JIC Flare – O-Ring Face Seal

Ask About Our Tube Assembly Production

GagePort Series and Test Points

GagePort and Test Point Design	13–14, 19
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GagePort

Bulkhead Frame Couplings

Bulkhead Frame Couplings	20
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BH Frame
Couplings

37° JIC Flare (Nuts)

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JIC Nuts

Female Pipe Swivels (NPSM)

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Pipe Swivels

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Split Flanges

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37° JIC

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Bulkhead JIC

Beaded, Suction Hose Barbs

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Hose Barbs

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Pipe
Fittings

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O-Ring Boss

Female JIC Swivels

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JIC
Swivels

Flareless Fittings

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Flareless

O-Ring Face Seal Fittings

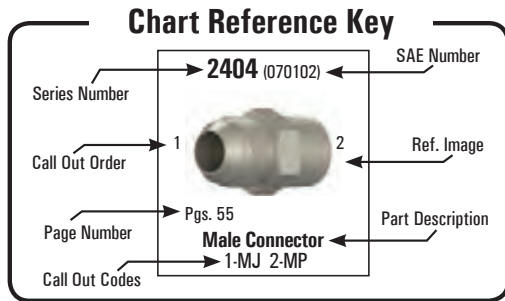
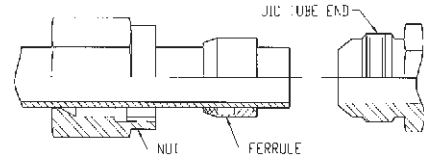
O-Ring Face Seal Design	175–176
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Face Seal

37° JIC Flare (Nuts)

302  Pg. 22 Short Flare Nut (No sleeve required)	304 (070111)  Pg. 23 Long Flare Nut (No sleeve required)	304C (070112)  Pg. 24 Tube Cap 1-FJ	306 (070118)  Pg. 25 Bulkhead Locknut (Use with #2700)	318 (070110)  Pg. 26 Tube Nut (Use with #319)	319 (070115)  Pg. 27 Tube Sleeve (Use with #318)	418  Pg. 29 Convert-A-Flare Nut (Use with #419)	419  Pg. 29 Convert-A-Flare Sleeve (Use with #418)
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Convert-A-Flare nut & ferrule design (418/419) allows you to convert any male 37° JIC fitting into a flareless tube fitting. Assembly is simplified as no special tools or flaring tools are needed.



Add Prefix SS- For Stainless Steel (Example: SS-2404)

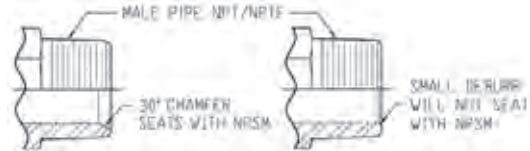


3D Models are available on request

Female Pipe Swivels (NPSM)

1404 (140130)  Pg. 32 MP x NPSM Adapter 1-MP 2-FPX	1404R  Pg. 33 RESTRICTOR MP x NPSM Adapter 1-MP 2-FPX	1405 (140131)  Pg. 34 FP x NPSM Adapter 1-FP 2-FPX	1501 (140230)  Pg. 35 MP x NPSM Elbow 1-MP 2-FPX	1501L  Pg. 36 MP x NPSM Elbow Long 1-MP 2-FPX	1501R  Pg. 37 RESTRICTOR MP x NPSM Elbow 1-MP 2-FPX	1502 (140231)  Pg. 38 FP x NPSM Elbow 1-FP 2-FPX	1503 (140330)  Pg. 39 MP x NPSM Elbow 1-MP 2-FPX
1504 (140331)  Pg. 40 FP x NPSM Elbow 1-FP 2-FPX	1601  Pg. 41 MP x NPSM Branch Tee 1-MP 2-FPX 3-FPX	1602  Pg. 42 FP x NPSM Branch Tee 1-FP 2-FPX 3-FPX	1603  Pg. 42 NPSM Pipe Tee 1-FPX 2-FPX 3-FPX	6900 (140157)  Pg. 152 MB x NPSM Adapter 1-MB 2-FPX	6901 (140257)  Pg. 153 MB x NPSM Elbow 1-MB 2-FPX	6902 (140357)  Pg. 154 MB x NPSM Elbow 1-MB 2-FPX	



















The NPSM Female Pipe Swivel has a 30° seat (flare) down inside of the swivel nut. This mates with a male pipe thread that has a 30° seat (chamfer) machined into the end of it. Connecting both 30° seats (flare & chamfer) together completes a metal-to-metal seal.



▶ Tube x Pipe Jumps	▶ Pressure Connections "Call Out" Thread Codes	▶ Call Out Sizes	▶ Prefix Options
See page 49 -02-02 -12-12 -03-02 -14-12 -04-02 -16-16 -05-02 -20-20 -06-04 -24-24 -08-06 -32-32 -10-08 Tube Only Sizes	BH = Bulkhead FB = Female O-Ring Boss FH61 = Code 61 Flange Head FH62 = Code 62 Flange Head FJ = Female JIC Flare FJX = Female JIC Swivel FOFS = Female OFS (rigid) FOFX = Female OFS Swivel FPX = Female Pipe Swivel (NPSM) FP = Female Pipe HS = Hose Barb or End MB = Male O-Ring Boss MJ = Male JIC Flare MP = Male Pipe MPX = Male Pipe Swivel OFS = O-Ring Face Seal WO = Weld On	-01 = 1/16" ◆ -10 = 5/8" ■ -02 = 1/8" -12 = 3/4" ■ -03 = 3/16" ■ -14 = 7/8" ■ -04 = 1/4" -16 = 1" ■ -05 = 5/16" ■ -20 = 1 1/4" ■ -06 = 3/8" -24 = 1 1/2" ■ -08 = 1/2" -32 = 2" ■ ◆ Pipe Thread Size Only ■ Tube Thread Size Only	C- = Flareless FS- = O-Ring Face Seal SS- = Stainless Steel 9- = Aluminum 35- = Assembled JIC ▶ Suffix Options -4 = Forged Elbows
























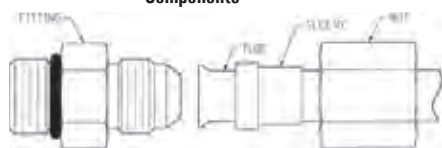

• Available in 316 Stainless Steel

Split Flange Adapters

1700  Pg. 45 Code 61 JIC Split Flange Adapter 1-MJ 2-FH61	1703  Pg. 46 Code 61 JIC Split Flange Elbow 1-MJ 2-FH61	1704  Pg. 47 Code 61 JIC Split Flange Elbow 1-MJ 2-FH61	1800  Pg. 48 Code 62 JIC Split Flange Adapter 1-MJ 2-FH62	1803  Pg. 48 Code 62 JIC Split Flange Elbow 1-MJ 2-FH62	1804  Pg. 49 Code 62 JIC Split Flange Elbow 1-MJ 2-FH62	4819  Pg. 80 100R4 Hose Barb x Code 61 Flange 1-HS 2-FH61	FS-1700  Pg. 179 Code 61 OFS Split Flange Adapter 1-OFS 2-FH61	
FS-1703  Pg. 179 Code 61 OFS Split Flange Elbow 1-OFS 2-FH61	FS-1704  Pg. 180 Code 61 OFS Split Flange Elbow 1-OFS 2-FH61	FS-1800  Pg. 181 Code 62 OFS Split Flange Adapter 1-OFS 2-FH62	FS-1803  Pg. 181 Code 62 OFS Split Flange Elbow 1-OFS 2-FH62	FS-1804  Pg. 182 Code 62 OFS Split Flange Elbow 1-OFS 2-FH62	610  Pg. 50 Flange O-Ring Code 61 & 62	61SF  Pg. 50 Split Flange Half Code 61	61SF-KIT  Pg. 50 Split Flange Kit Code 61	
62SF  Pg. 50 Split Flange Half Code 62	62SF-KIT  Pg. 50 Split Flange Kit Code 62	Split Flange Torque Values are on Pages 43–44						

See our Steel Crossover Chart on pages 204–207

37° JIC Flare

2403 (070101)  Pg. 53 Tube Union 1-MJ 2-MJ	2403LH (070119)  Pg. 54 Large Hex Union 1-MJ 2-MJ	2404 (070102)  Pgs. 55 Male Connector 1-MJ 2-MP	2404L / LL  Pg. 56 Male Connector Long 1-MJ 2-MP	2405 (070103)  Pg. 57 Female Connector 1-MJ 2-FP	2406 (070123)  Pg. 58 JIC Tube Reducer 1-FJ 2-MJ	2406R (070123)  Pg. 59 RESTRICTOR JIC Tube Reducer 1-FJ 2-MJ	2407 (070123)  Pg. 60 Insert Tube Reducer 1-FJ 2-MJ
2408 (070109)  Pg. 61 Tube Plug 1-MJ	2500 (070201)  Pg. 62 Union Elbow 1-MJ 2-MJ	2501 (070202)  Pgs. 63 Male Elbow 1-MJ 2-MP	2501L (071502)  Pg. 65 Male Elbow Long 1-MJ 2-MP	2501LL (071602)  Pg. 65 Male Elbow Double Long 1-MJ 2-MP	2502 (070203)  Pg. 66 Female Elbow 1-MJ 2-FP	2503 (070302)  Pg. 67 Male Elbow 1-MJ 2-MP	2504  Pg. 68 Union Elbow 1-MJ 2-MJ
2505  Pg. 68 Female Elbow 1-MJ 2-FP	2601 (070425)  Pg. 69 Male Branch Tee 1-MJ 2-MJ 3-MP	2602 (070427)  Pg. 70 Female Branch Tee 1-MJ 2-MJ 3-FP	2603 (070401)  Pg. 71 Union Tee 1-MJ 2-MJ 3-MJ	2605 (070424)  Pg. 72 Male Run Tee 1-MJ 2-MP 3-MJ	2606 (070426)  Pg. 73 Female Run Tee 1-MJ 2-FP 3-MJ	2650 (070501)  Pg. 74 Union Cross 1, 2, 3, 4-MJ	
Components 				Assembled 			











Bulkhead JIC

2700 (070601)  Pg. 76 Bulkhead Union 1-MJ 2-BH MJ	2701 (070701)  Pg. 77 Bulkhead Union Elbow 1-MJ 2-BH MJ	2702 (070801)  Pg. 78 Bulkhead Union Elbow 1-MJ 2-BH MJ	2703 (070959)  Pg. 79 Bulkhead Branch Tee 1-MJ 2-MJ 3-BH MJ	2704 (070958)  Pg. 79 Bulkhead Run Tee 1-MJ 2-BH MJ 3-MJ	2705  Pg. 80 Female Bulkhead Connector 1-FP 2-BH MJ	2706  Pg. 81 Male Bulkhead Connector 1-MP 2-BH MJ	306 (070118)  Pg. 25 Bulkhead Locknut
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All of our Bulkhead Fittings are available with a Locknut (306) assembled on the body, just add suffix "LN" to the series number.

• Available in **316 Stainless Steel**

Beaded & Suction Hose Barbs



























4404 (430160)  Pg. 83 Beaded Hose Barb x MP 1-HS 2-MP	4501 (430260)  Pg. 84 Beaded Hose Barb x MP 1-HS 2-MP	4503 (430360)  Pg. 85 Beaded Hose Barb x MP 1-HS 2-MP	4601 (430292)  Pg. 86 Beaded Hose Barb x MB 1-HS 2-MB	4603 (430392)  Pg. 87 Beaded Hose Barb x MB 1-HS 2-MB	4604 (430192)  Pg. 88 Beaded Hose Barb x MB 1-HS 2-MB	 Our Symbol of Quality	
4801  Pg. 89 100R4 Hose Barb x MP 1-HS 2-MP	4806  Pg. 89 100R4 Hose Barb x FJX 1-HS 2-FJX	4819  Pg. 90 100R4 Hose Barb x Code 61 Flange 1-HS 2-FH61	100R4 Suction Hose Barb Crimp Ferrules are on page 91 and can be used with Beaded Hose Barbs				



What Does ISO 9000 Require?































See details on page 210

Pipe Fittings

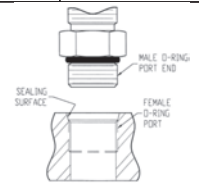
5000 (140138)  Pg. 94 Pipe Coupling 1-FP 2-FP	5404 (140137)  Pg. 95 Hex Pipe Nipple 1-MP 2-MP	5404N  Pg. 96 Seamless Pipe Nipple 1-MP (Both) 2-LENGTH	5405 (140139)  Pg. 98 Increase & Extension Connector 1-MP 2-FP	5406 (140140)  Pg. 99 Reducer Bushing 1-MP 2-FP	5406C  Pg. 100 Female Pipe Cap 1-FP	5406P (130109E)  Pg. 100 Hex Head Pipe Plug 1-MP	5407 (130109A)  Pg. 101 Square Head Pipe Plug 1-MP	
5408 (130109G)  Pg. 101 Square Socket Pipe Plug 1-MP	5409 (130109N)  Pg. 102 Hex Socket Pipe Plug 1-MP	9-5409  Pg. 102 Hex Socket Pipe Plug 1-MP	5410  Pg. 103 Flush Seal Pipe Plug 1-MP 7/8" Taper	5500  Pg. 104 Male Pipe Elbow 1-MP 2-MP	5501  Pg. 105 Male Pipe Elbow 1-MP 2-MP	5502 (140239)  Pg. 106 Street Elbow 1-MP 2-FP	5502C  Pg. 107 Compact Street "Dot" Ell 1-MP 2-FP	
5503 (140339)  Pg. 107 Street Elbow 1-FP 2-FP	5504 (140238)  Pg. 108 Female Pipe Elbow 1-FP 2-FP	5505 (140338)  Pg. 109 Female Pipe Elbow 1-FP 2-FP	5600  Pg. 109 Male Pipe Tee 1-MP 2-MP 3-MP	5601  Pg. 110 Female Pipe Branch Tee 1-MP 2-MP 3-FP	5602 (140424)  Pg. 110 Street Tee 1-MP 2-FP 3-FP	5603  Pg. 111 Female Pipe Run Tee 1-MP 2-FP 3-MP	5604 (140425)  Pg. 111 Male Pipe Branch Tee 1-FP 2-FP 3-MP	
5605 (140438)  Pg. 112 Female Pipe Tee 1-FP 2-FP 3-FP	5652  Pg. 112 Female Pipe Cross 1, 2, 3, 4-FP	Pipe Thread Assembly Instructions are on pages 92-93						

▶ Tube x Pipe Jumps See page 49 -02-02 -12-12 -03-02 -14-12 -04-02 -16-16 -05-02 -20-20 -06-04 -24-24 -08-06 -32-32 -10-08 Tube Only Sizes	▶ Pressure Connections "Call Out" Thread Codes BH = Bulkhead FP = Female Pipe FB = Female O-Ring Boss HS = Hose Barb or End FH61 = Code 61 Flange Head MB = Male O-Ring Boss FH62 = Code 62 Flange Head MJ = Male JIC Flare FJ = Female JIC Flare MP = Male Pipe FJX = Female JIC Swivel MPX = Male Pipe Swivel FOFS = Female OFS (rigid) OFS = O-Ring Face Seal FOFX = Female OFS Swivel WO = Weld On FPX = Female Pipe Swivel (NPSM)	▶ Call Out Sizes -01 = 1/16" ♦ -10 = 5/8" ■ -02 = 1/8" -12 = 3/4" ■ -03 = 3/16" ■ -14 = 7/8" ■ -04 = 1/4" -16 = 1" ■ -05 = 5/16" ■ -20 = 1 1/4" ■ -06 = 3/8" -24 = 1 1/2" ■ -08 = 1/2" -32 = 2" ■ ♦ Pipe Thread Size Only ■ Tube Thread Size Only	▶ Prefix Options C- = Flareless FS- = O-Ring Face Seal SS- = Stainless Steel 9- = Aluminum 35- = Assembled JIC ▶ Suffix Options -4 = Forged Elbows
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O-Ring Boss Fittings

6400 (070120)  Pg. 115 Straight Thread Connector 1-MJ 2-MB	6400L (071720)  Pg. 117 Straight Thread Connector Long 1-MJ 2-MB	6400R  Pg. 118 RESTRICTOR Str. Thread Connector 1-MJ 2-MB	6401  Pg. 119 Male ORB x Male Pipe 1-MB 2-MP	6402  Pg. 120 Swivel Nut Adaptor 1-MB 2-FJX	6404  Pg. 121 Female ORB x Male Pipe 1-FB 2-MP	6405  Pg. 122 Male ORB x Male Pipe 1-MB 2-FP	6407  Pg. 123 Male ORB Union 1-MB 2-MB (Adjustable)	
6408 (090109A)  Pg. 124 Hex Head ORB Plug 1-MB	6409 (090109B)  Pg. 125 Hex Socket ORB Plug 1-MB	6410  Pg. 126 ORB Reducer-Expander 1-MB 2-FB	6420  Pg. 128 Female ORB x Female Pipe 1-FB 2-FP	6425  Pg. 128 Female ORB Union 1-FB 2-FB	 Our Symbol of Quality			
6801 (070220)  Pg. 141 Straight Thread Elbow 1-MJ 2-MB	6801L (071520)  Pg. 143 Str Thr Elbow Long 1-MJ 2-MB	6801LL (071620)  Pg. 144 S T Elbow Double Long 1-MJ 2-MB	6801R  Pg. 145 RESTRICTOR Straight Thread Elbow 1-MJ 2-MB	6802 (070320)  Pg. 146 Straight Thread Elbow 1-MJ 2-MB	6803 (070429)  Pg. 147 ORB Branch Tee 1-MJ 2-MJ 3-MB	6804 (070428)  Pg. 148 ORB Run Tee 1-MJ 2-MB 3-MJ	6805  Pg. 149 ORB Female Elbow 1-MB 2-FP	
6805LL  Pg. 149 Double Long 1-MB 2-FP	6806  Pg. 150 ORB Male Elbow 1-MB 2-MP	6807  Pg. 150 ORB Union Elbow 1-MB 2-MB	6809  Pg. 151 Swivel Nut Elbow 1-MB 2-FJX	6815  Pg. 151 Straight Thread Elbow 1-MB 2-FB	6900 (140157)  Pg. 152 MB x NPSM Swivel 1-MB 2-FPX	6901 (140257)  Pg. 153 MB x NPSM Elbow 1-MB 2-FPX	6902 (140357)  Pg. 154 MB x NPSM Elbow 1-MB 2-FPX	

The O-Ring Boss and the 37° JIC Flare use the same threads. The difference is the way each thread seals. While the JIC seals on a metal-to-metal flare, the ORB seals on an O-Ring. We use a 90 durometer, Buna-N (Nitrile) O-Ring with Viton® as an option. An O-ring seal offers the best leak free connection. Viton® is a registered trademark of DuPont™

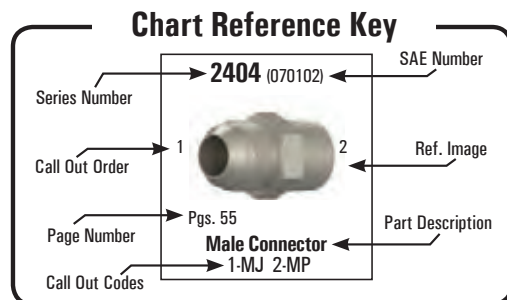


Female JIC Swivels

6500 (070221)  Pg. 131 Swivel Nut Elbow 1-MJ 2-FJX	6500BT  Pg. 132 Bent Tube Elbow 1-MJ 2-FJX	6500BTL  Pg. 132 Bent Tube Elbow Long 1-MJ 2-FJX	6501  Pg. 133 Swivel Nut Adapter 1-MP 2-FJX	6502 (070321)  Pg. 134 Swivel Nut Elbow 1-MJ 2-FJX	6502BT  Pg. 134 Bent Tube Elbow 1-MJ 2-FJX	6503  Pg. 135 Swivel Nut Elbow 1-FP 2-FJX	6504  Pg. 135 Swivel Nut Connector 1-MJ 2-FJX	
6505  Pg. 136 Swivel Nut Adapter 1-MP 2-FJX	6506  Pg. 137 Swivel Nut Adapter 1-FP 2-FJX	6565  Pg. 138 Swivel Nut Union 1-FJX 2-FJX	6600 (070433)  Pg. 138 Swivel Nut Branch Tee 1-MJ 2-MJ 3-FJX	6602 (070432)  Pg. 139 Swivel Nut Run Tee 1-MJ 2-FJX 3-MJ	The 37° Female JIC Swivel (FJX) is designed to accept a male 37° JIC Flare. No tube nut or sleeve is required as the swivel nut is permanently crimped onto the body.			


















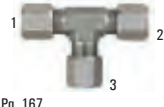












3D Models are available on request



























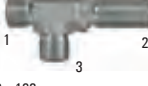















Add Prefix SS- For Stainless Steel (Example: SS-2404)

• Available in 316 Stainless Steel

Flareless Fittings

 Pg. 157 Flareless Cap 1-FF	 Pgs. 157 Flareless Nut	 Pg. 158 Flareless Ferrule Sleeve	 Pg. 159 Flareless Union 1-MF 2-MF	 Pg. 159 Large Hex Union 1-MF 2-MF	 Pg. 160 Male Connector 1-MF 2-MP	 Pg. 161 Female Connector 1-MF 2-FP	 Pg. 162 Flareless Tube Reducer 1-RTS 2-MF
 Pg. 162 Flareless Plug 1-MF	 Pgs. 163 Union Elbow 1-MF 2-MF	 Pg. 164 Male Elbow 1-MF 2-MP	 Pg. 165 Female Elbow 1-MF 2-FP	 Pg. 165 Male Elbow 1-MF 2-MP	 Pg. 166 Male Branch Tee 1-MF 2-MF 3-MP	 Pg. 166 Female Branch Tee 1-MF 2-MF 3-FP	 Pg. 167 Union Tee 1-MF 2-MF 3-MF
 Pg. 168 Male Run Tee 1-MF 2-MP 3-MF	 Pg. 168 Female Run Tee 1-MF 2-FP 3-MF	 Pg. 169 Bulkhead Union 1-MF 2-BH MF	 Pg. 169 Bulkhead Union Elbow 1-MF 2-BH MF	 Pg. 170 Straight Thrd Connector 1-MF 2-MB	 Pg. 171 Swivel Nut Elbow 1-MF 2-FFX	 Pg. 171 Swivel Nut Branch Tee 1-MF 2-MF 3-FFX	 Pg. 172 Swivel Nut Run Tee 1-MF 2-FFX 3-MF
 Pg. 173 Straight Thread Elbow 1-MF 2-MB	 Pg. 173 Straight Thread Elbow 1-MF 2-MB	 Pg. 174 ORB Branch Tee 1-MF 2-MF 3-MB	 Pg. 174 ORB Run Tee 1-MF 2-MB 3-MF	<p>Our Flareless Fittings come with the required Nuts and Ferrules assembled on the body, and are interchangeable with Parker Ferulok® and Eaton-Weatherhead Ermeto®. ® Registered Trademark</p>			

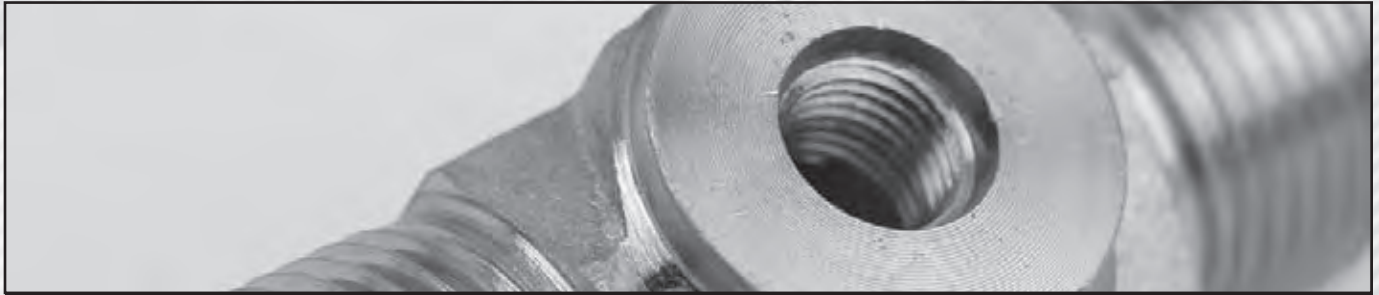
O-Ring Face Seal

 Pg. 177 OFS Cap 1-FOFX	 Pg. 177 OFS Bulkhead Locknut (Use with #FS-2700)	 Pg. 178 OFS Nut (Use with #FS-319)	 Pg. 178 OFS Braze Sleeve (Use with #FS-318)	 Pg. 179 Code 61 OFS Split Flange Adapter 1-OFS 2-FH61	 Pg. 179 Code 61 OFS Split Flange Elbow 1-OFS 2-FH61	 Pg. 180 Code 61 OFS Split Flange Elbow 1-OFS 2-FH61	 Pg. 181 Code 62 OFS Split Flange Adapter 1-OFS 2-FH62
 Pg. 181 Code 62 OFS Split Flange Elbow 1-OFS 2-FH62	 Pg. 182 Code 62 OFS Split Flange Elbow 1-OFS 2-FH62	 Pg. 183 OFS Tube Union 1-OFS 2-OFS	 Pg. 184 OFS Male Pipe Connector 1-OFS 2-MP	 Pg. 185 OFS Tube Reducer 1-FOFX 2-OFS	 Pg. 186 OFS Plug 1-OFS	 Pg. 187 OFS Union Elbow 1-OFS 2-OFS	 Pg. 188 OFS Male Elbow 1-OFS 2-MP
 Pg. 189 OFS Male Elbow 1-OFS 2-MP	 Pg. 189 OFS Male Run Tee 1-OFS 2-OFS 3-MP	 Pg. 190 OFS Union Tee 1-OFS 2-OFS 3-OFS	 Pg. 190 OFS Union Cross 1, 2, 3, 4-OFS	 Pg. 191 OFS Bulkhead Union 1-OFS 2-BH OFS	 Pg. 192 OFS Bulkhead Union Elbow 1-OFS 2-BH OFS	 Pg. 192 OFS Bulkhead Union Elbow 1-OFS 2-BH OFS	 Pg. 193 OFS Bulkhead Branch Tee 1-OFS 2-OFS 3-BH OFS
 Pg. 193 OFS Bulkhead Run Tee 1-OFS 2-BH OFS 3-OFS	 Pg. 194 OFS Straight Thread Connector 1-OFS 2-MB	 Pg. 195 OFS Straight Thread Connector Long 1-OFS 2-MB	 Pg. 196 Male OFS x Female JIC Swivel 1-OFS 2-FJX	 Pg. 196 Female OFS Swivel x Male ORB 1-FOFX 2-MB	 Pg. 197 OFS Swivel Nut Elbow 1-OFS 2-FOFX	 Pg. 197 OFS Swivel Nut Elbow 1-OFS 2-FOFX	 Pg. 198 OFS Swivel Nut Branch Tee 1-OFS 2-OFS 3-FOFX
 Pg. 198 OFS Swivel Nut Run Tee 1-OFS 2-FOFX 3-OFS	 Pg. 199 OFS Straight Thread Elbow 1-OFS 2-MB	 Pg. 200 OFS Straight Thread Elbow 1-OFS 2-MB	 Pg. 201 OFS Straight Thread Branch Tee 1-OFS 2-OFS 3-MB	 Pg. 201 OFS Straight Thread Run Tee 1-OFS 2-MB 3-OFS	 Pg. 202 OFS Swivel Nut Elbow 1-FOFX 2-MB	 Pg. 203 Male OFS x Male JIC 1-OFS 2-MJ	 Pg. 203 Female OFS Swivel x Male JIC 1-FOFX 2-MJ




All of our OFS Bulkhead Fittings are available with a Locknut (FS-306) assembled on the body, just add suffix "LN" to the series number.

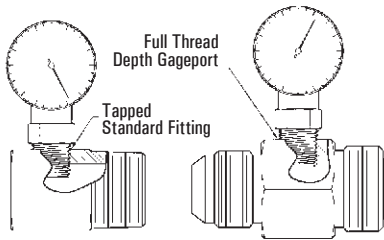
• Available in 316 Stainless Steel

GagePort Series



GagePort Series

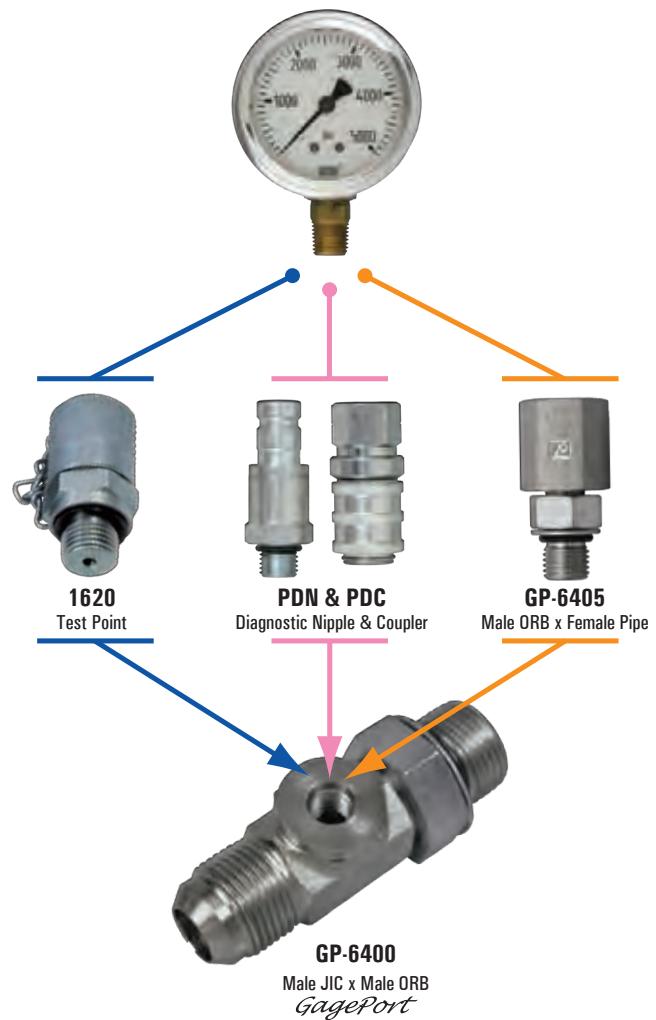
PCC Exclusive	GP-6405 Pg. 14  1 2 Male ORB x Female Pipe 1-MB 2-FP	GP-2403 Pg. 15  1 3 2 Male JIC Union 1-MJ 2-MJ 3-PORT	GP-6400 Pg. 16  1 3 2 Male JIC x Male ORB 1-MJ 2-MB 3-PORT	GP-6504 Pg. 17  1 3 2 Male JIC x Female JIC 1-MJ 2-FJX 3-PORT	GP-FS2406 Pg. 18  1 3 2 Male OFS x Female OFS 1-OFS 2-FOFX 3-PORT
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Our **GagePort Series** is a safe alternative compared to modifying or tapping common adapters, which forgings lack proper thread engagement, rendering them unsafe. Our GagePort Series offer full thread depth, high pressure pipe and o-ring boss ports that safely handle the pressures of today's hydraulic systems.

Test Point Connector Convenience

- # Install a High Pressure Port Anywhere
- # Up to 9,200 psi (4:1 Safety Factor)
- # 2-Way, 360° Gauge Adjustment
- # Diagnostic Nipples are a Cost Effective Way to Use One Gauge in Multiple Locations.

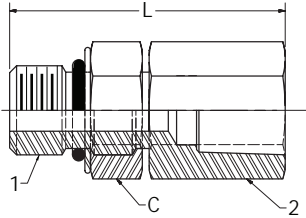


Test Points are on page 19.

GP-6405-P

GagePort Series GagePort - MB (Adj) x Pipe Port

Reference
PCC Exclusive



Part No.	Tube O.D.	1 Male ORB	2 Female NPTF	C Nut Hex	L Length	Operating Pressure
GP-6405-04-4P	1/4	7/16 - 20	1/4 - 18	5/8	1.67	7,400

4:1 Safety Factor

Diagram illustrating the GP-6405 adapter installed on a gauge. The diagram shows the gauge, the GP-6405 adapter, and any Gageport Adapter. Labels indicate:

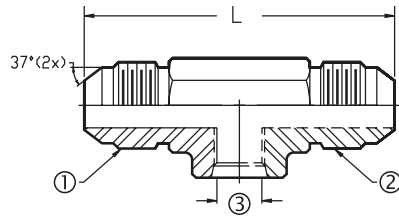
- Gauge
- Full 360° Horizontal alignment
- Pipe seal never needs to be broken
- GP-6405
- 360° Horizontal Adjustment
- Any Gageport Adapter
- Full 360° Vertical alignment

360° Horizontal Adjustment
GagePort Series GP-6405 provides a full 360° horizontal adjustment when inserted into an ORB port of any *GagePort* Adapter.

Test Points are on page 19

GP-2403

GagePort Series GagePort - MJ x MJ x ORB Port



Part No.	Tube O.D.	1 Male JIC	2 Male JIC	3 ORB Port	L Length	Operating Pressure
GP-2403-06-06-4 #	3/8	9/16 - 18	9/16 - 18	7/16 - 20	2.26	6,000
GP-2403-06-06-6 #	3/8	9/16 - 18	9/16 - 18	9/16 - 18	2.26	6,000
GP-2403-08-08-4 #	1/2	3/4 - 16	3/4 - 16	7/16 - 20	2.70	6,000
GP-2403-08-08-6 #	1/2	3/4 - 16	3/4 - 16	9/16 - 18	2.70	6,000
GP-2403-10-10-4 #	5/8	7/8 - 14	7/8 - 14	7/16 - 20	2.80	5,000
GP-2403-10-10-6 #	5/8	7/8 - 14	7/8 - 14	9/16 - 18	2.80	5,000
GP-2403-12-12-4 #	3/4	1 1/16 - 12	1 1/16 - 12	7/16 - 20	3.44	5,000
GP-2403-12-12-6 #	3/4	1 1/16 - 12	1 1/16 - 12	9/16 - 18	3.44	5,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

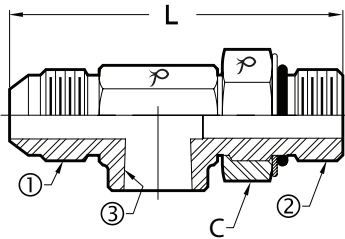
Part No.	Tube O.D.	1 Male JIC	2 Male JIC	3 NPTF Port	L Length	Operating Pressure
GP-2403-06-06-4P #	3/8	9/16 - 18	9/16 - 18	1/4 - 18	2.26	6,000
GP-2403-06-06-6P #	3/8	9/16 - 18	9/16 - 18	3/8 - 18	2.26	6,000
GP-2403-08-08-2P #	1/2	3/4 - 16	3/4 - 16	1/8 - 27	2.70	6,000
GP-2403-08-08-4P #	1/2	3/4 - 16	3/4 - 16	1/4 - 18	2.70	6,000
GP-2403-08-08-6P #	1/2	3/4 - 16	3/4 - 16	3/8 - 18	2.70	6,000
GP-2403-10-10-4P #	5/8	7/8 - 14	7/8 - 14	1/4 - 18	2.80	5,000
GP-2403-10-10-6P #	5/8	7/8 - 14	7/8 - 14	3/8 - 18	2.80	5,000
GP-2403-12-12-2P #	3/4	1 1/16 - 12	1 1/16 - 12	1/8 - 27	3.44	5,000
GP-2403-12-12-4P #	3/4	1 1/16 - 12	1 1/16 - 12	1/4 - 18	3.44	5,000
GP-2403-12-12-6P #	3/4	1 1/16 - 12	1 1/16 - 12	3/8 - 18	3.44	5,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

GP-6400

GagePort Series GagePort - MJ x MB x ORB Port



Part No.	Tube O.D.	1 Male JIC	2 Male ORB	3 ORB Port	C Nut Hex	L Length	Operating Pressure
GP-6400-06-06-4	3/8	9/16 - 18	9/16 - 18	7/16 - 20	3/4	2.48	6,000
GP-6400-06-06-6 #	3/8	9/16 - 18	9/16 - 18	9/16 - 18	3/4	2.48	6,000
GP-6400-08-08-4	1/2	3/4 - 16	3/4 - 16	7/16 - 20	15/16	2.74	6,000
GP-6400-08-08-6 #	1/2	3/4 - 16	3/4 - 16	9/16 - 18	15/16	2.74	6,000
GP-6400-10-10-4	5/8	7/8 - 14	7/8 - 14	7/16 - 20	1"	3.12	5,000
GP-6400-10-10-6 #	5/8	7/8 - 14	7/8 - 14	9/16 - 18	1"	3.12	5,000
GP-6400-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	7/16 - 20	1 3/8	3.76	5,000
GP-6400-12-12-6 #	3/4	1 1/16 - 12	1 1/16 - 12	9/16 - 18	1 3/8	3.76	5,000
GP-6400-16-16-4 #	1"	1 5/16 - 12	1 5/16 - 12	7/16 - 20	1 5/16	4.06	4,500

Minimum Order Quantity May Apply.

4:1 Safety Factor

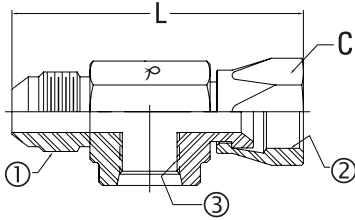
Part No.	Tube O.D.	1 Male JIC	2 Male ORB	3 NPTF Port	C Nut Hex	L Length	Operating Pressure
GP-6400-06-06-2P #	3/8	9/16 - 18	9/16 - 18	1/8 - 27	3/4	2.48	6,000
GP-6400-06-06-4P #	3/8	9/16 - 18	9/16 - 18	1/4 - 18	3/4	2.48	6,000
GP-6400-06-06-6P #	3/8	9/16 - 18	9/16 - 18	3/8 - 18	3/4	2.48	6,000
GP-6400-08-08-2P #	1/2	3/4 - 16	3/4 - 16	1/8 - 27	15/16	2.74	6,000
GP-6400-08-08-4P	1/2	3/4 - 16	3/4 - 16	1/4 - 18	15/16	2.74	6,000
GP-6400-08-08-6P #	1/2	3/4 - 16	3/4 - 16	3/8 - 18	15/16	2.74	6,000
GP-6400-10-10-2P #	5/8	7/8 - 14	7/8 - 14	1/8 - 27	1"	3.12	5,000
GP-6400-10-10-4P #	5/8	7/8 - 14	7/8 - 14	1/4 - 18	1"	3.12	5,000
GP-6400-10-10-6P #	5/8	7/8 - 14	7/8 - 14	3/8 - 18	1"	3.12	5,000
GP-6400-12-12-2P #	3/4	1 1/16 - 12	1 1/16 - 12	1/8 - 27	1 3/8	3.76	5,000
GP-6400-12-12-4P	3/4	1 1/16 - 12	1 1/16 - 12	1/4 - 18	1 3/8	3.76	5,000
GP-6400-12-12-6P #	3/4	1 1/16 - 12	1 1/16 - 12	3/8 - 18	1 3/8	3.76	5,000
GP-6400-12-12-8P #	3/4	1 1/16 - 12	1 1/16 - 12	3/4 - 14	1 3/8	3.76	5,000
GP-6400-16-16-4P #	1"	1 5/16 - 12	1 5/16 - 12	1/4 - 18	1 5/16	4.06	4,500

Minimum Order Quantity May Apply.

4:1 Safety Factor

GP-6504

GagePort Series GagePort - MJ x FJX x ORB Port



Part No.	Tube O.D.	1 Male JIC	2 Female JIC Swivel	3 ORB Port	C Nut Hex	L Length	Operating Pressure
GP-6504-04-04-4	1/4	7/16 - 20	7/16 - 20	7/16 - 20	9/16	2.28	6,000
GP-6504-04-04-6 #	1/4	7/16 - 20	7/16 - 20	9/16 - 18	9/16	2.28	6,000
GP-6504-06-06-4	3/8	9/16 - 18	9/16 - 18	7/16 - 20	11/16	2.40	6,000
GP-6504-06-06-6 #	3/8	9/16 - 18	9/16 - 18	9/16 - 18	11/16	2.40	6,000
GP-6504-08-08-4	1/2	3/4 - 16	3/4 - 16	7/16 - 20	7/8	2.62	6,000
GP-6504-08-08-6 #	1/2	3/4 - 16	3/4 - 16	9/16 - 18	7/8	2.75	6,000
GP-6504-10-10-4	5/8	7/8 - 14	7/8 - 14	7/16 - 20	1"	2.96	5,000
GP-6504-10-10-6 #	5/8	7/8 - 14	7/8 - 14	9/16 - 18	1"	2.96	5,000
GP-6504-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	7/16 - 20	1 1/4	3.45	5,000
GP-6504-12-12-6 #	3/4	1 1/16 - 12	1 1/16 - 12	9/16 - 18	1 1/4	3.45	5,000
GP-6504-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	7/16 - 20	1 1/2	4.05	4,000
GP-6504-16-16-6 #	1"	1 5/16 - 12	1 5/16 - 12	9/16 - 18	1 1/2	4.05	4,000
GP-6504-20-20-4	1 1/4	1 5/8 - 12	1 5/8 - 12	7/16 - 20	1 5/8	4.27	4,000
GP-6504-20-20-6 #	1 1/4	1 5/8 - 12	1 5/8 - 12	9/16 - 18	1 5/8	4.27	4,000

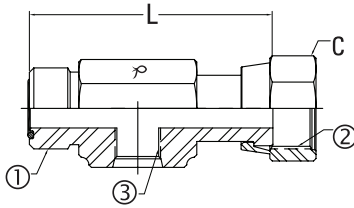
Part No.	Tube O.D.	1 Male JIC	2 Female JIC Swivel	3 NPTF Port	C Nut Hex	L Length	Operating Pressure
GP-6504-04-04-2P #	1/4	7/16 - 20	7/16 - 20	1/8 - 27	9/16	2.28	6,000
GP-6504-04-04-4P	1/4	7/16 - 20	7/16 - 20	1/4 - 18	9/16	2.28	6,000
GP-6504-04-04-6P #	1/4	7/16 - 20	7/16 - 20	3/8 - 18	9/16	2.28	6,000
GP-6504-06-06-2P #	3/8	9/16 - 18	9/16 - 18	1/8 - 27	11/16	2.40	6,000
GP-6504-06-06-4P	3/8	9/16 - 18	9/16 - 18	1/4 - 18	11/16	2.40	6,000
GP-6504-06-06-6P #	3/8	9/16 - 18	9/16 - 18	3/8 - 18	11/16	2.40	6,000
GP-6504-08-08-2P #	1/2	3/4 - 16	3/4 - 16	1/8 - 27	7/8	2.62	6,000
GP-6504-08-08-4P	1/2	3/4 - 16	3/4 - 16	1/4 - 18	7/8	2.62	6,000
GP-6504-08-08-6P #	1/2	3/4 - 16	3/4 - 16	3/8 - 18	7/8	2.75	6,000
GP-6504-10-10-2P #	5/8	7/8 - 14	7/8 - 14	1/8 - 27	1"	2.96	5,000
GP-6504-10-10-4P #	5/8	7/8 - 14	7/8 - 14	1/4 - 18	1"	2.96	5,000
GP-6504-10-10-6P #	5/8	7/8 - 14	7/8 - 14	3/8 - 18	1"	2.96	5,000
GP-6504-12-12-2P #	3/4	1 1/16 - 12	1 1/16 - 12	1/8 - 27	1 1/4	3.45	5,000
GP-6504-12-12-4P	3/4	1 1/16 - 12	1 1/16 - 12	1/4 - 18	1 1/4	3.45	5,000
GP-6504-12-12-6P #	3/4	1 1/16 - 12	1 1/16 - 12	3/8 - 18	1 1/4	3.45	5,000
GP-6504-16-16-2P #	1"	1 5/16 - 12	1 5/16 - 12	1/8 - 27	1 1/2	4.05	4,000
GP-6504-16-16-4P	1"	1 5/16 - 12	1 5/16 - 12	1/4 - 18	1 1/2	4.05	4,000
GP-6504-16-16-6P #	1"	1 5/16 - 12	1 5/16 - 12	3/8 - 18	1 1/2	4.05	4,000
GP-6504-20-20-2P #	1 1/4	1 5/8 - 12	1 5/8 - 12	1/8 - 27	1 5/8	4.27	4,000
GP-6504-20-20-4P #	1 1/4	1 5/8 - 12	1 5/8 - 12	1/4 - 18	1 5/8	4.27	4,000
GP-6504-20-20-6P #	1 1/4	1 5/8 - 12	1 5/8 - 12	3/8 - 18	1 5/8	4.27	4,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

GP-FS2406

GagePort Series
GagePort - FOFX x OFS x ORB Port



Part No.	Tube O.D.	1 Female OFS Swivel	2 Male OFS	3 NPTF Port	C Nut Hex	L Length	Operating Pressure
GP-FS2406-04-04-4	1/4	9/16 - 18	9/16 - 18	7/16 - 20	11/16	2.07	9,200
GP-FS2406-04-04-6 #	1/4	9/16 - 18	9/16 - 18	9/16 - 18	11/16	2.07	9,200
GP-FS2406-06-06-4	3/8	11/16 - 16	11/16 - 16	7/16 - 20	13/16	2.12	9,200
GP-FS2406-06-06-6 #	3/8	11/16 - 16	11/16 - 16	9/16 - 18	13/16	2.12	9,200
GP-FS2406-08-08-4	1/2	13/16 - 16	13/16 - 16	7/16 - 20	7/8	2.41	6,000
GP-FS2406-08-08-6	1/2	13/16 - 16	13/16 - 16	9/16 - 18	7/8	2.48	7,500
GP-FS2406-10-10-4	5/8	1 - 14	1 - 14	7/16 - 20	1 1/8	3.54	6,000
GP-FS2406-10-10-6 #	5/8	1 - 14	1 - 14	9/16 - 18	1 1/8	3.54	6,000
GP-FS2406-12-12-4	3/4	1 3/16 - 12	1 3/16 - 12	7/16 - 20	1 15/16	3.50	6,000
GP-FS2406-12-12-6	3/4	1 3/16 - 12	1 3/16 - 12	9/16 - 18	1 3/8	4.08	6,000
GP-FS2406-16-16-4	1"	1 7/16 - 12	1 7/16 - 12	7/16 - 20	1 5/8	4.29	6,000
GP-FS2406-16-16-6 #	1"	1 7/16 - 12	1 7/16 - 12	9/16 - 18	1 5/8	4.29	6,000
GP-FS2406-20-20-4 #	1 1/4	1 11/16 - 12	1 11/16 - 12	7/16 - 20	1 7/8	3.80	6,000
GP-FS2406-20-20-6 #	1 1/4	1 11/16 - 12	1 11/16 - 12	9/16 - 18	1 7/8	3.80	6,000

Part No.	Tube O.D.	1 Female OFS Swivel	2 Male OFS	3 ORB Port	C Nut Hex	L Length	Operating Pressure
GP-FS2406-04-04-2P #	1/4	9/16 - 18	9/16 - 18	1/8 - 27	11/16	2.07	9,200
GP-FS2406-04-04-4P	1/4	9/16 - 18	9/16 - 18	1/4 - 18	11/16	2.07	9,200
GP-FS2406-04-04-6P #	1/4	9/16 - 18	9/16 - 18	3/8 - 18	11/16	2.07	9,200
GP-FS2406-06-06-2P #	3/8	11/16 - 16	11/16 - 16	1/8 - 27	13/16	2.12	9,200
GP-FS2406-06-06-4P	3/8	11/16 - 16	11/16 - 16	1/4 - 18	13/16	2.12	9,200
GP-FS2406-06-06-6P #	3/8	11/16 - 16	11/16 - 16	3/8 - 18	13/16	2.12	9,200
GP-FS2406-08-08-2P #	1/2	13/16 - 16	13/16 - 16	1/8 - 27	15/16	2.41	9,200
GP-FS2406-08-08-4P	1/2	13/16 - 16	13/16 - 16	1/4 - 18	15/16	2.41	7,500
GP-FS2406-08-08-6P #	1/2	13/16 - 16	13/16 - 16	3/8 - 18	15/16	2.41	6,000
GP-FS2406-10-10-2P #	5/8	1 - 14	1 - 14	1/8 - 27	1 1/8	3.54	6,000
GP-FS2406-10-10-4P	5/8	1 - 14	1 - 14	1/4 - 18	1 1/8	3.54	6,000
GP-FS2406-10-10-6P #	5/8	1 - 14	1 - 14	3/8 - 18	1 1/8	3.54	6,000
GP-FS2406-12-12-2P #	3/4	1 3/16 - 12	1 3/16 - 12	1/8 - 27	1 3/8	4.08	6,000
GP-FS2406-12-12-4P	3/4	1 3/16 - 12	1 3/16 - 12	1/4 - 18	1 3/8	4.07	6,000
GP-FS2406-12-12-6P #	3/4	1 3/16 - 12	1 3/16 - 12	3/8 - 18	1 3/8	4.25	6,000
GP-FS2406-16-16-2P #	1"	1 7/16 - 12	1 7/16 - 12	1/8 - 27	1 5/8	4.29	6,000
GP-FS2406-16-16-4P #	1"	1 7/16 - 12	1 7/16 - 12	1/4 - 18	1 5/8	4.29	6,000
GP-FS2406-16-16-6P #	1"	1 7/16 - 12	1 7/16 - 12	3/8 - 18	1 5/8	4.29	6,000
GP-FS2406-20-20-2P #	1 1/4	1 11/16 - 12	1 11/16 - 12	1/8 - 27	1 7/8	3.80	6,000
GP-FS2406-20-20-4P #	1 1/4	1 11/16 - 12	1 11/16 - 12	1/4 - 18	1 7/8	3.80	4,000
GP-FS2406-20-20-6P #	1 1/4	1 11/16 - 12	1 11/16 - 12	3/8 - 18	1 7/8	3.80	6,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

Test Points



1215 Series



1620 Series



1620 Series (FJ)



1620 Series (BSP)

HYDROTECHNIK

Connect Under Pressure

Safe Access to High Pressure Systems

Sample Without Equipment

100% Leak Free Guaranteed

Environmentally Safe

Other Series, Materials and Configurations Available

Pioneering Technology – Innovative Solutions

Hydrotechnik's "Test with Confidence" philosophy is a long standing tradition. In 1964, the MINIMESS® - ball sealing threaded test point and plug-in coupling was invented and proved to be a major advance for pressure measurement for hydraulic systems. The benefits of this innovative development were significant because up till then, pressure measurements had been mainly carried out with the help of fixed mounted pressure gauges with enormous cost expenditures. Now, with Hydrotechnik Test Points, the use of pressure sensors and pressure gauges could be carried out (cost) efficiently and safely without any interruptions to plant operations.

Leakage-Free – New Sealing Technique

Hydrotechnik further developed the MINIMESS® Test Point and patented their "Leakage-Free" coupling. The added benefits lead to new applications like Water Protection Zones, and for the first time, gas applications. This established Hydrotechnik even further into the market.

p/T Coupling – Pressure / Temperature Testing Combined

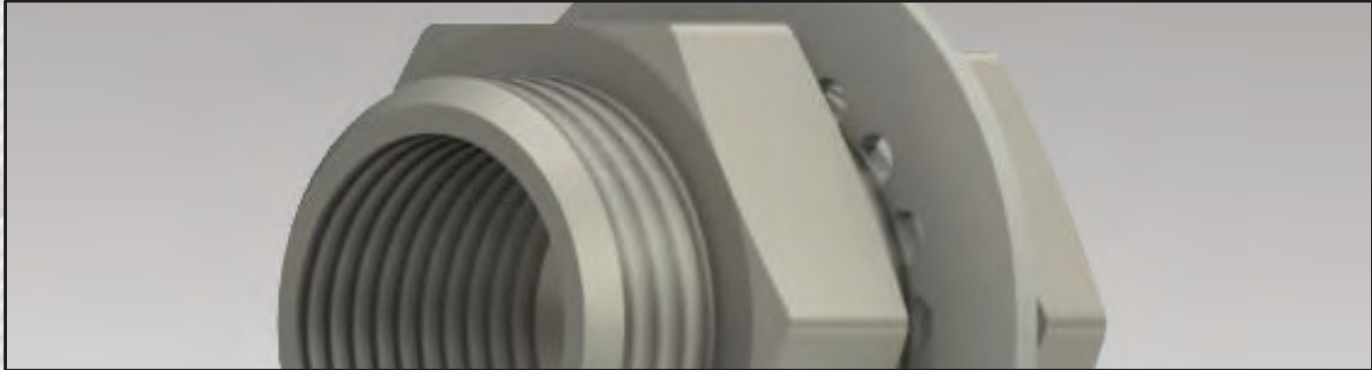
Hydrotechnik Test Points had been proven a million times over, but continued research and development for more innovative products lead to combining pressure testing with temperature testing. The result – the "p/T Test Point" was developed to meet the demands in the automation and robotic sectors. This new, lengthened design accepts a temperature probe that actually contacts the medium. Perfect heat transmission between the medium and the temperature sensor is now GUARANTEED.

Reliability – Quality – Future

Hydrotechnik's high quality standards, large process-security, and a "Leakage-Free" guarantee are ensured by a modern, automatic assembly process that includes leak testing for every test point.

Today, MINIMESS® Test points are the basic requirement for measuring and testing for manufacturing and industry worldwide.

Bulkhead Frame Couplings



Bulkhead Frame Couplings, also known as Terminal Bolts or Anchor Bolts (Fittings), connects a tube or a hose through a wall or barrier. On a truck or vehicle it's typically through the frame, hence the name.

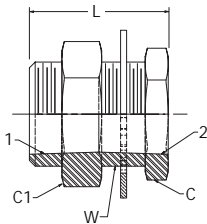
These Bulkhead Frame Coupling bodies are made of Steel or Brass. They come assembled with a specialized Steel "Star" Lock Washer that "bites" into both the barrier wall and the Steel or Brass Jam Nut. NPTF Dryseal pipe threads are standard allowing working pressures of up to 1,000 PSI (69 BAR), and a Working Temperature of -65° to +250° F (-54° to +121° C).

Assembly Procedures:

1. Remove the Bulkhead Jam Nut
2. Make sure the "Star" Lock Washer is still in place
3. Insert the coupling body through the frame (wall or barrier)
4. Finger tighten by hand
5. Tighten it more securely with a wrench
6. This completes the Bulkhead Frame Coupling installation
7. Now you're ready to connect the tube or hose

205 - 207

Bulkhead Pipe Fittings Bulkhead Frame Coupling

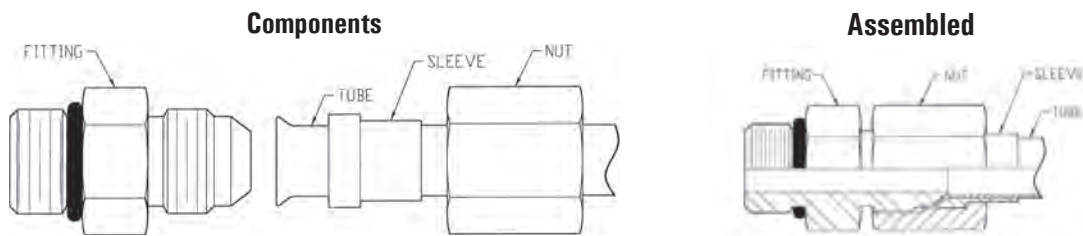


205-08-08-04-STL
(MP x MP w/ inside 1/4" FP)

Part No.	1 Female NPTF	2 Female NPTF	C Hex	C1 Nut Hex	L Length	W Bulkhead Thread
205-08-08-04-STL	1/2 - 14	1/2 - 14	1 1/4	1 1/4	2.88	1 - 14 UNS
207-04-04-STL	1/4 - 18	1/4 - 18	1"	1 1/8	1.50	3/4 - 16
207S-04-04-STL	1/4 - 18	1/4 - 18	1"	1 1/8	0.94	3/4 - 16
207-06-06-STL	3/8 - 18	3/8 - 18	1 1/8	1 1/4	1.31	1 - 14 UNS

Comes assembled with a star washer and a locknut.









37° JIC Flare (Nuts)



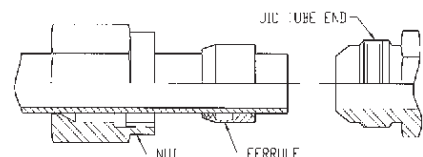
The 37° JIC (Joint Industrial Council) Flare is a reliable, straight thread, single-flare design that is used world-wide. It is popular in many applications and environments because it is compact and easy to assemble. It also features high holding power with low torque requirements. The 37° JIC connection consists of three pieces: the nut, the sleeve, and the fitting in a range of sizes from 1/8" up through 2". The sleeve not only absorbs vibration, but acts as a support to the flare during assembly and helps reduce the risk of twisting the tube. Since it is a metal-to-metal seal it can be reliably connected and reconnected multiple times. Because flaring is necessary, it is NOT recommended for thick wall tubing, and the tubing used should not be harder than Rockwell B65. **For assembly instructions see the 37° JIC Torque Values on pages 51–52, and the Female JIC Swivel details on pages 129–130.**

Hydraulic tube fittings are dimensionally standardized by SAE under J514, but because of differing manufacturing methods, and interpretation of conformance, actual performance will vary between brands. This is where our Quality Assurance Department sets us apart from other manufacturers. Pressure Connections takes great pride in each fitting we sell. Standard material for our 37° JIC Fittings is steel with a RoHS compliant 96-hour salt spray finish that exceeds the SAE 72-hour salt spray requirement. For details about our Quality Assurance Program please reference the inside front cover of this catalog.

37° JIC Flare (Nuts)

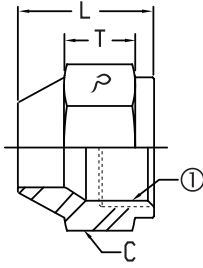
<p>302</p>  <p>Pg. 22 Short Flare Nut (No sleeve required)</p>	<p>304 (070111)</p>  <p>Pg. 23 Long Flare Nut (No sleeve required)</p>	<p>304C (070112)</p>  <p>Pg. 24 Tube Cap 1-FJ</p>	<p>306 (070118)</p>  <p>Pg. 25 Bulkhead Locknut (Use with #2700)</p>	<p>318 (070110)</p>  <p>Pg. 26 Tube Nut (Use with #319)</p>	<p>319 (070115)</p>  <p>Pg. 27 Tube Sleeve (Use with #318)</p>	<p>418</p>  <p>Pg. 29 Convert-A-Flare Nut (Use with #419)</p>	<p>419</p>  <p>Pg. 29 Convert-A-Flare Sleeve (Use with #418)</p>
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Convert-A-Flare nut & ferrule design (418/419) allows you to convert any male 37° JIC fitting into a flareless tube fitting. Assembly is simplified as no special tools or flaring tools are needed.



• Available in **316 Stainless Steel**

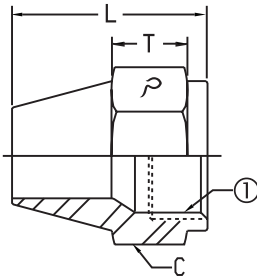
Reference
Weatherhead C5125
SAE J514



Part No.	Tube O.D.	1 Female JIC Swivel	C Hex	L Length	T Thickness
302-04 #	1/4	7/16 - 20	9/16	0.59	0.33
302-05 #	5/16	1/2 - 20	5/8	0.59	0.33
302-06 #	3/8	9/16 - 18	11/16	0.65	0.34
302-08 #	1/2	3/4 - 16	7/8	0.81	0.45
302-10 #	5/8	7/8 - 14	1"	0.94	0.52
302-12 #	3/4	1 1/16 - 12	1 1/4	1.14	0.64
302-14 #	7/8	1 3/16 - 12	1 3/8	1.20	0.69
302-16 #	1"	1 5/16 - 12	1 1/2	1.28	0.73
302-20 #	1 1/4	1 5/8 - 12	2"	1.44	0.73
302-24 #	1 1/2	1 7/8 - 12	2 1/4	1.56	0.83
302-32 #	2"	2 1/2 - 12	2 7/8	2.00	0.92

*# Minimum Order Quantity May Apply.

Reference
Aeroquip 221000
Weatherhead C5115
SAE 070111

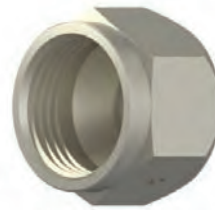
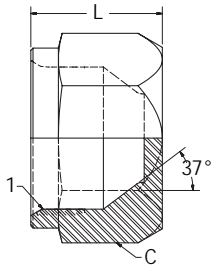


Part No.	Tube O.D.	1 Female JIC Swivel	C Hex	L Length	T Thickness
304-03	3/16	3/8 - 24	7/16	0.94	0.27
304-04	1/4	7/16 - 20	9/16	1.00	0.33
304-05	5/16	1/2 - 20	5/8	1.06	0.33
304-06	3/8	9/16 - 18	11/16	1.09	0.34
304-08	1/2	3/4 - 16	7/8	1.28	0.45
304-10	5/8	7/8 - 14	1"	1.48	0.52
304-12	3/4	1 1/16 - 12	1 1/4	1.66	0.64
304-14 #	7/8	1 3/16 - 12	1 3/8	1.81	0.69
304-16 #	1"	1 5/16 - 12	1 1/2	1.94	0.73
304-20 #	1 1/4	1 5/8 - 12	2"	2.19	0.73
304-24 #	1 1/2	1 7/8 - 12	2 1/4	2.31	0.83
304-32 #	2"	2 1/2 - 12	2 7/8	2.75	0.92

Minimum Order Quantity May Apply.

304C

Nuts and Sleeves Female JIC Cap

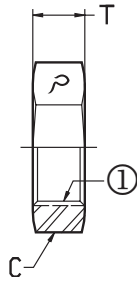


Reference
 Aeroquip 210292
 Parker Hose 06CP
 Parker Tube FNTX
 Weatherhead C5129
 SAE 070112

Part No.	Tube O.D.	1 Female JIC Swivel	C Hex	L Length	Operating Pressure
304C-02	1/8	5/16 - 24	3/8	0.50	7,500
304C-03	3/16	3/8 - 24	7/16	0.56	7,500
304C-04	1/4	7/16 - 20	9/16	0.59	7,500
304C-05	5/16	1/2 - 20	5/8	0.61	6,000
304C-06	3/8	9/16 - 18	11/16	0.63	6,000
304C-08	1/2	3/4 - 16	7/8	0.75	6,000
304C-10	5/8	7/8 - 14	1"	0.84	5,000
304C-12	3/4	1 1/16 - 12	1 1/4	0.91	5,000
304C-14	7/8	1 3/16 - 12	1 3/8	0.97	5,000
304C-16	1"	1 5/16 - 12	1 1/2	1.02	4,500
304C-20	1 1/4	1 5/8 - 12	2"	1.06	4,000
304C-24	1 1/2	1 7/8 - 12	2 1/4	1.19	3,000
304C-32	2"	2 1/2 - 12	2 7/8	1.44	2,000

• Available in **316 Stainless Steel**

4:1 Safety Factor



Reference
Aeroquip 210212
Parker Hose 53N
Parker Tube WLN
Weatherhead C5924
SAE 070118

Part No.	Tube O.D.	1 Tube Thread	C Hex	T Thickness
306-02 #	1/8	5/16 - 24	9/16	0.22
306-03	3/16	3/8 - 24	5/8	0.22
306-04	1/4	7/16 - 20	11/16	0.28
306-05	5/16	1/2 - 20	3/4	0.28
306-06	3/8	9/16 - 18	13/16	0.27
306-08	1/2	3/4 - 16	1"	0.31
306-10	5/8	7/8 - 14	1 1/8	0.36
306-12	3/4	1 1/16 - 12	1 3/8	0.41
306-14	7/8	1 3/16 - 12	1 1/2	0.41
306-16	1"	1 5/16 - 12	1 5/8	0.41
306-20	1 1/4	1 5/8 - 12	1 7/8	0.41
306-24	1 1/2	1 7/8 - 12	2 1/8	0.41
306-32 #	2"	2 1/2 - 12	2 3/4	0.41

• Available in **316 Stainless Steel**

"# Minimum Order Quantity May Apply.

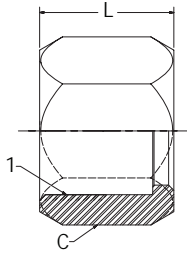
306E

Heavy Duty (Cold Headed) Bulkhead Locknut

Part No.	Tube O.D.	1 Tube Thread	C Hex	T Thickness
306E-04 #	1/4	7/16 - 20	11/16	0.28
306E-06 #	3/8	9/16 - 18	13/16	0.27
306E-08 #	1/2	3/4 - 16	1"	0.31

"# Minimum Order Quantity May Apply.

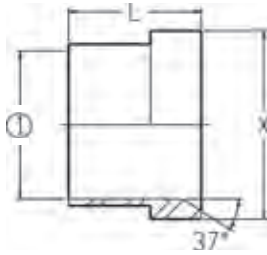
Reference
 Aeroquip 1290
 Parker Hose 06B
 Parker Tube BTX
 Weatherhead C5105
 SAE 070110



Part No.	Tube O.D.	1 Female JIC Swivel	C Hex	L Length
318-02 #	1/8	5/16 - 24	3/8	0.55
318-03	3/16	3/8 - 24	7/16	0.61
318-04	1/4	7/16 - 20	9/16	0.62
318-05	5/16	1/2 - 20	5/8	0.68
318-06	3/8	9/16 - 18	11/16	0.73
318-08	1/2	3/4 - 16	7/8	0.85
318-10	5/8	7/8 - 14	1"	0.98
318-12	3/4	1 1/16 - 12	1 1/4	1.03
318-14	7/8	1 3/16 - 12	1 3/8	1.09
318-16	1"	1 5/16 - 12	1 1/2	1.13
318-20	1 1/4	1 5/8 - 12	2"	1.23
318-24	1 1/2	1 7/8 - 12	2 1/4	1.42
318-32	2"	2 1/2 - 12	2 7/8	1.75

• Available in **316 Stainless Steel**

Minimum Order Quantity May Apply.



Reference
 Aeroquip 900605
 Parker Hose 06S
 Parker Tube TX
 Weatherhead C5165
 SAE 070115

Part No.	1 Tube O.D.	L Length	X Diameter
319-02	1/8	0.34	0.267
319-03	3/16	0.35	0.329
319-04	1/4	0.41	0.383
319-05	5/16	0.44	0.445
319-06	3/8	0.50	0.432
319-08	1/2	0.56	0.682
319-10	5/8	0.66	0.797
319-12	3/4	0.68	0.972
319-14	7/8	0.76	1.097
319-16	1"	0.78	1.222
319-20	1 1/4	0.91	1.534
319-24	1 1/2	1.12	1.784
319-32	2"	1.19	2.409

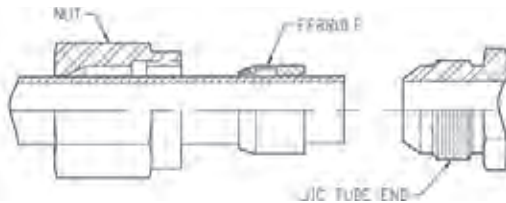
• Available in **316 Stainless Steel**

Convert-A-Flare

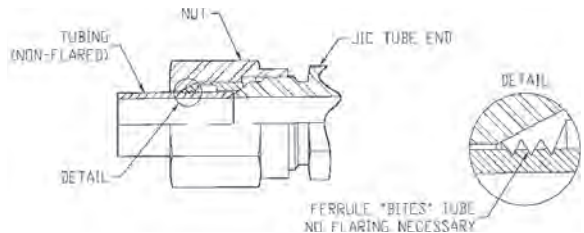


Nut & Ferrule (418 / 419) converts any 37° JIC into Flareless WITHOUT flaring the tube.

Components



Assembled



Convert-A-Flare Nuts and Ferrules allow you to convert any male 37° JIC fitting into a flareless tube fitting. Assembly is simplified because no special tools are required. Not even a flaring tool is needed since there is no need to flare the tube. Errors are minimized because the ferrule cannot be assembled in the wrong direction. All the sizes assemble in the same manner and on different tube wall thickness, although the tubing used should not be harder than Rockwell B65. You will effectively be able to **reduce your inventory**, because you will be utilizing your standard 37° JIC parts that you already have in stock. Save time and money by not ordering or stocking flareless fittings. For details about our Quality Assurance Program please reference the inside front cover of this catalog.

Convert-A-Flare Torque Values

Dash	Turns	Dash	Turns
-04	1 1/4	-12	1 1/2
-05	1 1/4	-16	1 1/2
-06	1 1/4	-20	1 1/2
-08	1 1/4	-24	1 1/2
-10	1 1/4	-32	1 1/2

The Turns Method assumes that the threads are lubricated with 10W hydraulic oil.

Assembly Steps With a Visual Check

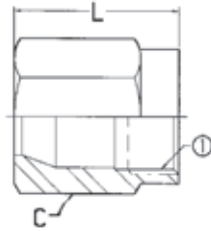
- 1) Tubing must be cut square and deburred inside and out. No Flaring required.
- 2) Clean the tubing and threads and lubricate all mating surfaces with 10W hydraulic oil.
- 3) Hand tighten the nut/ferrule (approx. 30 lb-in.).
- 4) Make alignment marks on the nut and fitting.
- 5) Proceed to tighten to the Turns value for the JIC.
- 6) When fully tightened make a 2nd set of alignment marks at the fully tightened position.

This completes a Convert-A-Flare connection with visual marks for a quick reference.

418

Nuts and Sleeves Convert-A-Flare Nut

Reference
Aeroquip FC2875



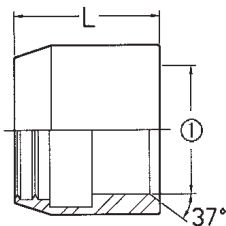
Part No.	Tube O.D.	1 Female JIC Swivel	C Hex	L Length
418-04	1/4	7/16 - 20	9/16	0.83
418-05 #	5/16	1/2 - 20	5/8	0.82
418-06	3/8	9/16 - 18	11/16	0.86
418-08	1/2	3/4 - 16	7/8	1.08
418-10	5/8	7/8 - 14	1"	1.12
418-12	3/4	1 1/16 - 12	1 1/4	1.36
418-16	1"	1 5/16 - 12	1 1/2	1.40
418-20 #	1 1/4	1 5/8 - 12	2"	1.80

Minimum Order Quantity May Apply.

419

Convert-A-Flare Sleeve

Reference
Aeroquip FF9605



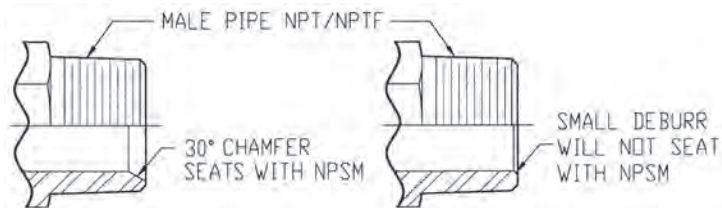
Part No.	Tube O.D.	1 Diameter	L Length
419-04	1/4	0.26	0.42
419-05 #	5/16	0.31	0.42
419-06	3/8	0.38	0.47
419-08	1/2	0.51	0.57
419-10	5/8	0.63	0.58
419-12	3/4	0.76	0.70
419-16	1"	1.01	0.70
419-20 #	1 1/4	1.25	1.00

Minimum Order Quantity May Apply.

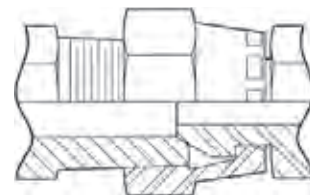
Female Pipe Swivels



30° Chamfer vs. Deburr



Assembled



The **NPSM [American (National) Standard Pipe Straight Mechanical] Female Pipe Swivel** was designed to eliminate hose stress from twisting during assembly and reduce the number of different hose fittings required. The NPSM design differs from the NPT and NPTF pipe thread design which seals on the threads themselves. The NPSM female pipe swivel seals on a 30° seat (flare) and is visible down inside of the swivel nut. This swivel nut is permanently attached to the body and mates with a male pipe thread that has a 30° seat (chamfer) machined into the end of it. The threads bring both 30° seats (flare and chamfer) together creating a metal-to-metal seal.

It should be noted that **not all NPT and NPTF male pipe threads have this 30° chamfer**. It is optional according to SAE standards under J514. **The 30° seat is a chamfer machined into the inside diameter of a male pipe thread and should not be confused with a relatively small deburr chamfer.**

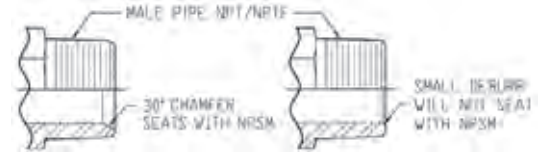
Our swivel nut design meets the strictest requirements of SAE. As manufacturers, SAE allows flexibility in the design and assembly process. Flexibility means options such as plating before or after assembly, crimping or pinning the nut during assembly, are all left to the manufacturer's discretion. Pressure Connections has spent a great deal of our research and development resources on our swivel nut design.

Standard material for our NPSM Female Pipe Swivels is steel with a RoHS compliant 96-hour salt spray finish that exceeds the SAE 72-hour salt spray requirement. For Pipe assembly instructions refer to pages 92–93. For details about our Quality Assurance Program please reference the inside front cover of this catalog.

Female Pipe Swivels (NPSM)

1404 (140130)  Pg. 32 MP x NPSM Adapter 1-MP 2-FPX	1404R  Pg. 33 RESTRICTOR MP x NPSM Adapter 1-MP 2-FPX	1405 (140131)  Pg. 34 FP x NPSM Adapter 1-FP 2-FPX	1501 (140230)  Pg. 35 MP x NPSM Elbow 1-MP 2-FPX	1501L  Pg. 36 MP x NPSM Elbow Long 1-MP 2-FPX	1501R  Pg. 37 RESTRICTOR MP x NPSM Elbow 1-MP 2-FPX	1502 (140231)  Pg. 38 FP x NPSM Elbow 1-FP 2-FPX	1503 (140330)  Pg. 39 MP x NPSM Elbow 1-MP 2-FPX
1504 (140331)  Pg. 40 FP x NPSM Elbow 1-FP 2-FPX	1601  Pg. 41 MP x NPSM Branch Tee 1-MP 2-FPX 3-FPX	1602  Pg. 42 FP x NPSM Branch Tee 1-FP 2-FPX 3-FPX	1603  Pg. 42 NPSM Pipe Tee 1-FPX 2-FPX 3-FPX	6900 (140157)  Pg. 152 MB x NPSM Adapter 1-MB 2-FPX	6901 (140257)  Pg. 153 MB x NPSM Elbow 1-MB 2-FPX	6902 (140357)  Pg. 154 MB x NPSM Elbow 1-MB 2-FPX	

The NPSM Female Pipe Swivel has a 30° seat (flare) down inside of the swivel nut. This mates with a male pipe thread that has a 30° seat (chamfer) machined into the end of it. Connecting both 30° seats (flare & chamfer) together completes a metal-to-metal seal.



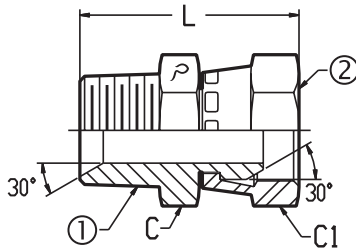
- Available in **316 Stainless Steel**



3D Models are available on request

1404

NPSM Female Pipe Swivels MP - NPSM Adaptor



Reference
Aeroquip 2045
Parker Hose 0107
Parker Tube 0107
Weatherhead 9205
SAE 140130

Part No.	1 Male NPTF	2 Female NPSM Swivel	C Hex	C1 Nut Hex	L Length	Operating Pressure
1404-02-02	1/8 - 27	1/8 - 27	9/16	9/16	1.08	5,000
1404L-02-02 # Lubrication #	1/8 - 27	1/8 - 27	1/2	1/2	1.00	
1404-02-04	1/8 - 27	1/4 - 18	11/16	11/16	1.24	5,000
1404-04-02	1/4 - 18	1/8 - 27	11/16	9/16	1.30	5,000
1404-04-04	1/4 - 18	1/4 - 18	11/16	11/16	1.42	5,000
1404-04-06	1/4 - 18	3/8 - 18	7/8	7/8	1.49	5,000
1404-04-08	1/4 - 18	1/2 - 14	3/4	1"	1.60	3,500
1404-06-04	3/8 - 18	1/4 - 18	11/16	11/16	1.55	4,000
1404-06-06	3/8 - 18	3/8 - 18	7/8	7/8	1.61	4,000
1404-06-08	3/8 - 18	1/2 - 14	1"	1"	1.66	3,500
1404-08-04	1/2 - 14	1/4 - 18	7/8	11/16	1.81	5,000
1404-08-06	1/2 - 14	3/8 - 18	7/8	7/8	1.86	3,500
1404-08-08	1/2 - 14	1/2 - 14	1"	1"	1.89	3,500
1404-08-12	1/2 - 14	3/4 - 14	1 1/4	1 1/4	2.08	2,200
1404-12-08	3/4 - 14	1/2 - 14	1 1/8	1"	1.87	2,200
1404-12-12	3/4 - 14	3/4 - 14	1 1/4	1 1/4	2.09	2,200
1404-12-16	3/4 - 14	1 - 11 1/2	1 1/2	1 1/2	2.14	2,000
1404-16-12	1 - 11 1/2	3/4 - 14	1 1/2	1 1/4	2.32	2,200
1404-16-16	1 - 11 1/2	1 - 11 1/2	1 1/2	1 1/2	2.35	2,000
1404-16-20	1 - 11 1/2	1 1/4 - 11 1/2	1 7/8	1 7/8	2.37	1,600
1404-20-16	1 1/4 - 11 1/2	1 - 11 1/2	1 7/8	1 1/2	2.39	1,600
1404-20-20	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 7/8	1 7/8	2.50	1,600
1404-20-24	1 1/4 - 11 1/2	1 1/2 - 11 1/2	2 1/8	2 1/8	2.49	1,300
1404-24-20	1 1/2 - 11 1/2	1 1/4 - 11 1/2	2 1/8	1 7/8	2.56	1,200
1404-24-24	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2 1/8	2 1/8	2.69	1,200
1404-32-32	2 - 11 1/2	2 - 11 1/2	2 5/8	2 5/8	2.75	1,100

• Available in **316 Stainless Steel**

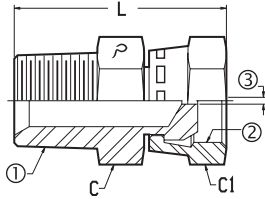
4:1 Safety Factor

*# Minimum Order Quantity May Apply.

1404R

NPSM Female Pipe Swivels MP - NPSM Adaptor RESTRICTOR

Reference
SAE J514



Part No.	1 Male NPTF	2 Female NPSM Swivel	3 Orifice	C Hex	C1 Nut Hex	L Length	Operating Pressure
1404R-02-02-.000 #	1/8 - 27	1/8 - 27	Blank	9/16	9/16	1.04	5,000
1404R-02-02-.032 #	1/8 - 27	1/8 - 27	1/32	9/16	9/16	1.03	5,000
1404R-02-02-.062 #	1/8 - 27	1/8 - 27	1/16	9/16	9/16	1.04	5,000
1404R-04-04-.000	1/4 - 18	1/4 - 18	Blank	11/16	11/16	1.49	5,000
1404R-04-04-.032	1/4 - 18	1/4 - 18	1/32	11/16	11/16	1.49	5,000
1404R-04-04-.062	1/4 - 18	1/4 - 18	1/16	11/16	11/16	1.49	5,000
1404R-06-06-.000	3/8 - 18	3/8 - 18	Blank	7/8	7/8	1.60	4,000
1404R-06-06-.032	3/8 - 18	3/8 - 18	1/32	7/8	7/8	1.60	4,000
1404R-06-06-.062	3/8 - 18	3/8 - 18	1/16	7/8	7/8	1.60	4,000
1404R-08-08-.000	1/2 - 14	1/2 - 14	Blank	1"	1"	1.92	3,500
1404R-08-08-.032	1/2 - 14	1/2 - 14	1/32	1"	1"	1.92	3,500
1404R-08-08-.062	1/2 - 14	1/2 - 14	1/16	1"	1"	1.92	3,500
1404R-08-08-.000 #	1/2 - 14	1/2 - 14	Blank	1"	1"	1.92	3,500
1404R-08-08-.032 #	1/2 - 14	1/2 - 14	1/32	1"	1"	1.92	3,500
1404R-08-08-.062 #	1/2 - 14	1/2 - 14	1/16	1"	1"	1.92	3,500
1404R-12-12-.000 #	3/4 - 14	3/4 - 14	Blank	1 1/4	1 1/4	2.08	2,200
1404R-12-12-.032 #	3/4 - 14	3/4 - 14	1/32	1 1/4	1 1/4	2.08	2,200
1404R-12-12-.062 #	3/4 - 14	3/4 - 14	1/16	1 1/4	1 1/4	2.08	2,200

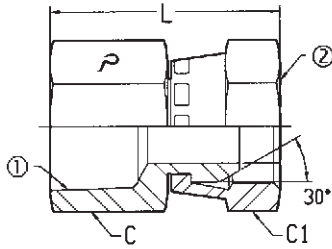
Minimum Order Quantity May Apply.

4:1 Safety Factor

1405

NPSM Female Pipe Swivels FP - NPSM Adaptor

Reference
Aeroquip 2046
Parker Hose 0207
Parker Tube 0207
Weatherhead 9255
SAE 140131



Part No.	1 Female NPTF	2 Female NPSM Swivel	C Hex	C1 Nut Hex	L Length	Operating Pressure
1405-02-02	1/8 - 27	1/8 - 27	9/16	9/16	1.02	5,000
1405-02-04	1/8 - 27	1/4 - 18	9/16	11/16	1.20	5,000
1405-04-02 #	1/4 - 18	1/8 - 27	11/16	9/16	1.34	5,000
1405-04-04	1/4 - 18	1/4 - 18	11/16	11/16	1.39	5,000
1405-04-06	1/4 - 18	3/8 - 18	11/16	7/8	1.45	4,000
1405-06-04	3/8 - 18	1/4 - 18	7/8	11/16	1.48	4,000
1405-06-06	3/8 - 18	3/8 - 18	7/8	7/8	1.56	4,000
1405-06-08	3/8 - 18	1/2 - 14	7/8	1"	1.55	3,500
1405-08-04 #	1/2 - 14	1/4 - 18	1"	11/16	1.72	5,000
1405-08-06	1/2 - 14	3/8 - 18	1"	7/8	1.80	3,500
1405-08-08	1/2 - 14	1/2 - 14	1"	1"	1.89	3,500
1405-08-12 #	1/2 - 14	3/4 - 14	1 1/4	1 1/4	2.00	2,200
1405-12-08	3/4 - 14	1/2 - 14	1 1/4	1"	1.85	2,200
1405-12-12	3/4 - 14	3/4 - 14	1 1/4	1 1/4	2.09	2,200
1405-12-16 #	3/4 - 14	1 - 11 1/2	1 1/2	1 1/2	2.09	2,000
1405-16-12 #	1 - 11 1/2	3/4 - 14	1 1/2	1 1/4	2.39	2,000
1405-16-16	1 - 11 1/2	1 - 11 1/2	1 1/2	1 1/2	2.38	2,000
1405-20-20	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 7/8	1 7/8	2.43	1,600
1405-24-24	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2 1/8	2 1/8	2.53	1,200
1405-32-32 #	2 - 11 1/2	2 - 11 1/2	2 5/8	2 5/8	2.67	1,100

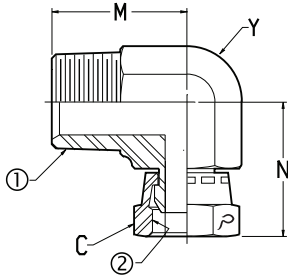
• Available in 316 Stainless Steel

4:1 Safety Factor

Minimum Order Quantity May Apply.

1501

NPSM Female Pipe Swivels MP - NPSM Elbow



Reference
Aeroquip 2047
Parker Hose 2107
Parker Tube 2107
Weatherhead 9405
SAE 140230

Part No.	1 Male NPTF	2 Female NPSM Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
1501-02-02-4	1/8 - 27	1/8 - 27	9/16	0.72	0.84	7/16	5,000
1501-02-04-4	1/8 - 27	1/4 - 18	11/16	1.00	0.97	7/16	5,000
1501-04-02-4	1/4 - 18	1/8 - 27	9/16	0.94	0.82	9/16	5,000
1501-04-04-4	1/4 - 18	1/4 - 18	11/16	1.10	0.98	9/16	5,000
1501-04-06-4	1/4 - 18	3/8 - 18	7/8	1.09	1.28	3/4	4,000
1501-04-08-4 #	1/4 - 18	1/2 - 14	1"	1.32	1.35	7/8	3,500
1501-06-04-4	3/8 - 18	1/4 - 18	11/16	1.19	1.11	3/4	4,000
1501-06-06-4	3/8 - 18	3/8 - 18	7/8	1.22	1.14	3/4	4,000
1501-06-08-4	3/8 - 18	1/2 - 14	1"	1.22	1.33	3/4	3,500
1501-08-04-4	1/2 - 14	1/4 - 18	11/16	1.28	1.22	7/8	5,000
1501-08-06-4	1/2 - 14	3/8 - 18	7/8	1.47	1.35	7/8	3,500
1501-08-08-4	1/2 - 14	1/2 - 14	1"	1.47	1.40	7/8	3,500
1501-08-08X-4 #	1/2 - 14	1/2 - 14	1"	1.25	1.25	7/8	3,500
1501-08-12-4	1/2 - 14	3/4 - 14	1 1/4	1.67	1.70	1 1/16	2,200
1501-12-04-4 #	3/4 - 14	1/4 - 18	11/16	1.51	1.41	1 1/16	2,200
1501-12-06-4 #	3/4 - 14	3/8 - 18	7/8	1.59	1.48	1 1/16	2,200
1501-12-08-4	3/4 - 14	1/2 - 14	1"	1.48	1.47	1 1/16	2,200
1501-12-12-4	3/4 - 14	3/4 - 14	1 1/4	1.59	1.65	1 1/16	2,200
1501-12-16-4	3/4 - 14	1 - 11 1/2	1 1/2	1.65	1.91	1 5/16	2,000
1501-16-08-4 #	1 - 11 1/2	1/2 - 14	1"	2.38	1.58	1 1/2	2,000
1501-16-12-4	1 - 11 1/2	3/4 - 14	1 1/4	1.97	1.82	1 5/16	2,000
1501-16-16-4	1 - 11 1/2	1 - 11 1/2	1 1/2	1.97	1.91	1 5/16	2,000
1501-16-20-4 #	1 - 11 1/2	1 1/4 - 11 1/2	1 7/8	2.14	2.27	1 5/8	1,600
1501-20-16-4	1 1/4 - 11 1/2	1 - 11 1/2	1 1/2	2.17	2.21	1 5/8	2,000
1501-20-20-4	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 7/8	2.33	2.22	1 5/8	1,600
1501-20-24-4 #	1 1/4 - 11 1/2	1 1/2 - 11 1/2	2 1/8	2.60	2.40	1 7/8	1,200
1501-24-20-4 #	1 1/2 - 11 1/2	1 1/4 - 11 1/2	1 7/8	2.64	2.31	1 7/8	1,200
1501-24-24-4	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2 1/8	2.52	2.35	1 7/8	1,200
1501-32-32-4 #	2 - 11 1/2	2 - 11 1/2	2 5/8	3.00	2.70	2 1/2	1,100

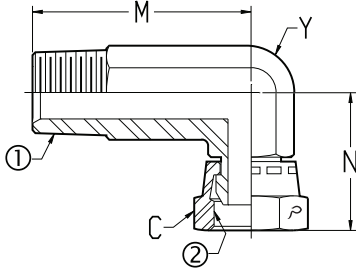
• Available in 316 Stainless Steel

4:1 Safety Factor

Minimum Order Quantity May Apply.

1501L

NPSM Female Pipe Swivels MP - NPSM Elbow Long



Reference
Parker Hose 5607
Parker Tube 5607
Weatherhead 9405
SAE J514

Part No.	1 Male NPTF	2 Female NPSM Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
1501L-02-02-4 #	1/8 - 27	1/8 - 27	9/16	1.25	0.85	7/16	5,000
1501L-04-04-4	1/4 - 18	1/4 - 18	11/16	2.25	1.16	9/16	5,000
1501L-06-06-4 #	3/8 - 18	3/8 - 18	7/8	2.76	1.70	3/4	4,000
1501L-08-06-4 #	1/2 - 14	3/8 - 18	7/8	2.75	1.26	7/8	3,500
1501L-08-08-4	1/2 - 14	1/2 - 14	1"	3.19	1.40	7/8	3,500
1501L-12-12-4 #	3/4 - 14	3/4 - 14	1 1/4	3.66	1.72	1 1/16	2,200

• Available in **316 Stainless Steel**

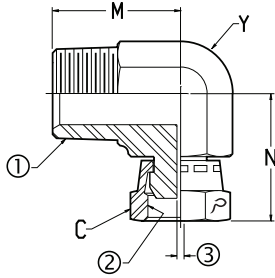
4:1 Safety Factor

Minimum Order Quantity May Apply.

1501R

NPSM Female Pipe Swivels MP - NPSM Elbow RESTRICTOR

Reference
SAE J514



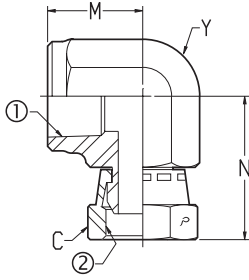
Part No.	1 Male NPTF	2 Female NPSM Swivel	3 Orifice	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
1501R-04-04-.000	1/4 - 18	1/4 - 18	Blank	11/16	1.10	0.98	9/16	5,000
1501R-04-04-.032	1/4 - 18	1/4 - 18	1/32	11/16	1.10	0.98	9/16	5,000
1501R-04-04-.040	1/4 - 18	1/4 - 18	#60	11/16	1.10	0.98	9/16	5,000
1501R-04-04-.062 #	1/4 - 18	1/4 - 18	1/16	11/16	1.10	0.98	9/16	5,000
1501R-06-06-.000 #	3/8 - 18	3/8 - 18	Blank	7/8	1.19	1.14	3/4	4,000
1501R-06-06-.032	3/8 - 18	3/8 - 18	1/32	7/8	1.19	1.14	3/4	4,000
1501R-06-06-.062	3/8 - 18	3/8 - 18	1/16	7/8	1.19	1.14	3/4	4,000
1501R-08-06-.000 #	1/2 - 14	3/8 - 18	Blank	7/8	1.47	1.25	7/8	3,500
1501R-08-08-.032	1/2 - 14	1/2 - 14	1/32	1"	1.47	1.40	7/8	3,500
1501R-08-08-.062	1/2 - 14	1/2 - 14	1/16	1"	1.47	1.40	7/8	3,500
1501R-08-08-.000 #	1/2 - 14	1/2 - 14	Blank	1"	1.47	1.40	7/8	3,500
1501R-08-08-.032 #	1/2 - 14	1/2 - 14	1/32	1"	1.47	1.40	7/8	3,500
1501R-08-08-.062 #	1/2 - 14	1/2 - 14	1/16	1"	1.47	1.40	7/8	3,500
1501R-12-12-.000 #	3/4 - 14	3/4 - 14	Blank	1 1/4	1.59	1.65	1 1/16	2,200
1501R-12-12-.032 #	3/4 - 14	3/4 - 14	1/32	1 1/4	1.59	1.65	1 1/16	2,200
1501R-12-12-.062 #	3/4 - 14	3/4 - 14	1/16	1 1/4	1.59	1.65	1 1/16	2,200

Minimum Order Quantity May Apply.

4:1 Safety Factor

1502

NPSM Female Pipe Swivels FP - NPSM Elbow



Reference
Aeroquip 2048
Parker Hose 2207
Parker Tube 2207
Weatherhead 9455
SAE 140231

Part No.	1 Female NPTF	2 Female NPSM Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
1502-02-02-4	1/8 - 27	1/8 - 27	9/16	0.66	0.95	9/16	5,000
1502-02-04-4 #	1/8 - 27	1/4 - 18	11/16	0.66	0.98	9/16	5,000
1502-04-02-4 #	1/4 - 18	1/8 - 27	9/16	0.78	0.96	3/4	5,000
1502-04-04-4	1/4 - 18	1/4 - 18	11/16	0.88	1.17	3/4	5,000
1502-04-06-4 #	1/4 - 18	3/8 - 18	7/8	0.94	1.26	7/8	4,000
1502-06-04-4	3/8 - 18	1/4 - 18	11/16	0.94	1.21	7/8	4,000
1502-06-06-4	3/8 - 18	3/8 - 18	7/8	0.94	1.26	7/8	4,000
1502-06-08-4	3/8 - 18	1/2 - 14	1"	1.07	1.53	7/8	3,500
1502-08-04-4 #	1/2 - 14	1/4 - 18	11/16	1.25	1.13	1"	5,000
1502-08-06-4 #	1/2 - 14	3/8 - 18	7/8	1.37	1.40	1 1/16	3,500
1502-08-08-4	1/2 - 14	1/2 - 14	1"	1.24	1.47	1 1/16	3,500
1502-08-12-4 #	1/2 - 14	3/4 - 14	1 1/4	1.35	1.82	1 5/16	2,200
1502-12-08-4	3/4 - 14	1/2 - 14	1"	1.36	1.75	1 5/16	2,200
1502-12-12-4	3/4 - 14	3/4 - 14	1 1/4	1.25	1.89	1 5/16	2,200
1502-12-16-4 #	3/4 - 14	1 - 11 1/2	1 1/2	1.32	2.10	1 5/8	2,000
1502-16-16-4	1 - 11 1/2	1 - 11 1/2	1 1/2	1.75	1.91	1 5/8	2,000
1502-20-20-4	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 7/8	1.70	2.20	1 7/8	1,600
1502-24-24-4	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2 1/8	2.08	2.83	2 1/2	1,200
1502-32-32-4 #	2 - 11 1/2	2 - 11 1/2	2 5/8	2.39	3.00	2 13/16	1,100

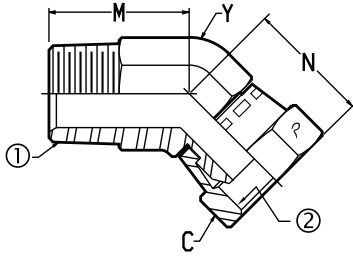
• Available in 316 Stainless Steel

4:1 Safety Factor

Minimum Order Quantity May Apply.

1503

NPSM Female Pipe Swivels MP - NPSM Elbow



Reference
Aeroquip 2049
Parker Hose 3107
Parker Tube 3107
Weatherhead 9355
SAE 140330

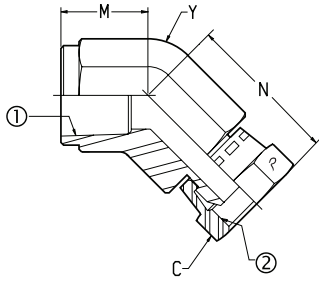
Part No.	1 Male NPTF	2 Female NPSM Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
1503-02-02-4	1/8 - 27	1/8 - 27	9/16	0.55	0.73	7/16	5,000
1503-02-04-4 #	1/8 - 27	1/4 - 18	11/16	0.67	0.91	9/16	5,000
1503-04-02-4 #	1/4 - 18	1/8 - 27	9/16	0.94	0.67	9/16	5,000
1503-04-04-4	1/4 - 18	1/4 - 18	11/16	0.94	0.92	9/16	5,000
1503-04-06-4 #	1/4 - 18	3/8 - 18	7/8	0.96	1.10	3/4	4,000
1503-06-04-4	3/8 - 18	1/4 - 18	11/16	0.79	1.04	3/4	5,000
1503-06-06-4	3/8 - 18	3/8 - 18	7/8	0.95	1.10	3/4	4,000
1503-06-08-4	3/8 - 18	1/2 - 14	1"	1.06	1.14	7/8	3,500
1503-08-04-4 #	1/2 - 14	1/4 - 18	11/16	1.17	1.09	7/8	5,000
1503-08-06-4	1/2 - 14	3/8 - 18	7/8	1.17	1.11	7/8	3,500
1503-08-08-4	1/2 - 14	1/2 - 14	1"	1.17	1.14	7/8	3,500
1503-08-12-4 #	1/2 - 14	3/4 - 14	1 1/4	1.20	1.29	1 1/16	2,200
1503-12-06-4 #	3/4 - 14	3/8 - 18	7/8	1.21	1.10	1 1/16	2,200
1503-12-08-4	3/4 - 14	1/2 - 14	1"	1.14	1.39	1 1/16	2,200
1503-12-12-4	3/4 - 14	3/4 - 14	1 1/4	1.20	1.37	1 1/16	2,200
1503-12-16-4 #	3/4 - 14	1 - 11 1/2	1 1/2	1.30	1.47	1 5/16	2,000
1503-16-12-4	1 - 11 1/2	3/4 - 14	1 1/4	1.33	1.83	1 5/16	2,000
1503-16-16-4	1 - 11 1/2	1 - 11 1/2	1 1/2	1.48	1.52	1 5/16	2,000
1503-16-20-4 #	1 - 11 1/2	1 1/4 - 11 1/2	1 7/8	1.75	1.52	1 5/8	1,600
1503-20-16-4	1 1/4 - 11 1/2	1 - 11 1/2	1 1/2	1.55	1.75	1 5/8	2,000
1503-20-20-4	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 7/8	1.75	1.74	1 5/8	1,600
1503-24-24-4	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2 1/8	1.94	1.82	1 7/8	1,200
1503-32-32-4 #	2 - 11 1/2	2 - 11 1/2	2 5/8	2.11	1.89	2 1/2	1,100

Minimum Order Quantity May Apply.

4:1 Safety Factor

1504

NPSM Female Pipe Swivels FP - NPSM Elbow



Reference
Aeroquip 2050
Parker Hose 3207
Parker Tube 3207
Weatherhead 9355
SAE 140331

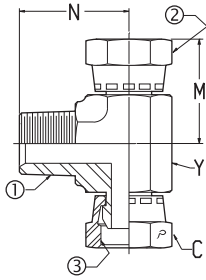
Part No.	1 Female NPTF	2 Female NPSM Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
1504-02-02-4 #	1/8 - 27	1/8 - 27	9/16	0.47	0.69	9/16	5,000
1504-04-04-4 #	1/4 - 18	1/4 - 18	11/16	0.91	0.94	3/4	5,000
1504-04-06-4 #	1/4 - 18	3/8 - 18	7/8	0.69	0.98	7/8	4,000
1504-06-04-4 #	3/8 - 18	1/4 - 18	11/16	1.00	0.95	7/8	4,000
1504-06-06-4 #	3/8 - 18	3/8 - 18	7/8	0.74	0.97	7/8	4,000
1504-08-06-4	1/2 - 14	3/8 - 18	7/8	1.04	1.38	1 1/16	3,500
1504-08-08-4 #	1/2 - 14	1/2 - 14	1"	0.93	1.17	1 1/16	3,500
1504-12-08-4 #	3/4 - 14	1/2 - 14	1"	1.25	1.31	1 5/16	2,200
1504-12-12-4	3/4 - 14	3/4 - 14	1 1/4	1.25	1.31	1 5/16	2,200
1504-16-12-4 #	1 - 11 1/2	3/4 - 14	1 1/4	1.50	1.49	1 5/8	2,000
1504-16-16-4	1 - 11 1/2	1 - 11 1/2	1 1/2	1.24	1.55	1 5/8	2,000
1504-20-20-4 #	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 7/8	1.33	2.27	1 7/8	1,600
1504-24-24-4 #	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2 1/8	1.46	1.97	2 1/2	1,200

*# Minimum Order Quantity May Apply.

4:1 Safety Factor

1601

NPSM Female Pipe Swivels MP - NPSM Branch Tee



Reference
Aeroquip 2254
Parker Hose 217T
Parker Tube 217T
Weatherhead 9406
SAE J514

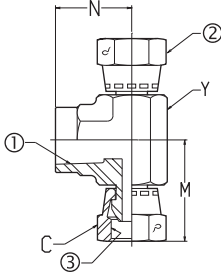
Part No.	1 Male NPTF	2-3 Female NPSM Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
1601-02-02-02-4 #	1/8 - 27	1/8 - 27	9/16	0.92	0.97	9/16	5,000
1601-04-04-04-4	1/4 - 18	1/4 - 18	11/16	1.15	1.04	9/16	5,000
1601-06-04-04-4 #	3/8 - 18	1/4 - 18	11/16	1.50	1.07	7/8	4,000
1601-06-06-06-4 #	3/8 - 18	3/8 - 18	7/8	1.19	1.25	3/4	4,000
1601-08-04-04-4 #	1/2 - 14	1/4 - 18	11/16	1.22	1.28	7/8	5,000
1601-08-06-06-4	1/2 - 14	3/8 - 18	7/8	1.75	1.19	7/8	3,500
1601-08-08-08-4	1/2 - 14	1/2 - 14	1"	1.47	1.40	7/8	3,500
1601-12-12-12-4	3/4 - 14	3/4 - 14	1 1/4	2.00	1.60	1 1/16	2,200
1601-12-16-16-4 #	3/4 - 14	1 - 11 1/2	1 1/2	1.75	1.83	1 5/16	2,000
1601-16-12-12-4 #	1 - 11 1/2	3/4 - 14	1 1/4	2.38	1.70	1 5/16	2,000
1601-16-16-16-4 #	1 - 11 1/2	1 - 11 1/2	1 1/2	2.05	1.86	1 5/16	2,000
1601-20-20-20-4 #	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 7/8	2.38	2.10	1 5/8	1,600
1601-24-24-24-4 #	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2 1/8	2.29	2.59	1 7/8	1,200

Minimum Order Quantity May Apply.

4:1 Safety Factor

1602

NPSM Female Pipe Swivels FP - NPSM Branch Tee



Reference
Aeroquip 2253
Parker Hose 227T
Parker Tube 227T
Weatherhead 9456
SAE J514

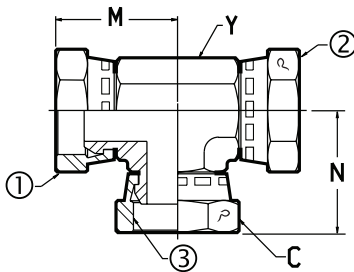
Part No.	1 Female NPTF	2-3 Female NPSM Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
1602-02-02-02-4 #	1/8 - 27	1/8 - 27	9/16	0.95	0.66	9/16	5,000
1602-04-04-04-4	1/4 - 18	1/4 - 18	11/16	1.17	0.88	3/4	5,000
1602-06-04-04-4 #	3/8 - 18	1/4 - 18	11/16	1.21	1.00	7/8	5,000
1602-06-06-06-4	3/8 - 18	3/8 - 18	7/8	1.20	1.00	7/8	4,000
1602-08-06-06-4	1/2 - 14	3/8 - 18	7/8	1.52	1.24	1 1/16	3,500
1602-08-08-08-4	1/2 - 14	1/2 - 14	1"	1.46	1.17	1 1/16	3,500
1602-12-08-08-4 #	3/4 - 14	1/2 - 14	1"	1.68	1.44	1 5/16	2,200
1602-12-12-12-4 #	3/4 - 14	3/4 - 14	1 1/4	1.81	1.44	1 5/16	2,200
1602-16-16-16-4 #	1 - 11 1/2	1 - 11 1/2	1 1/2	2.10	1.62	1 5/8	2,000
1602-20-20-20-4 #	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 7/8	2.09	2.00	1 7/8	1,600

Minimum Order Quantity May Apply.

4:1 Safety Factor

1603

NPSM Tee



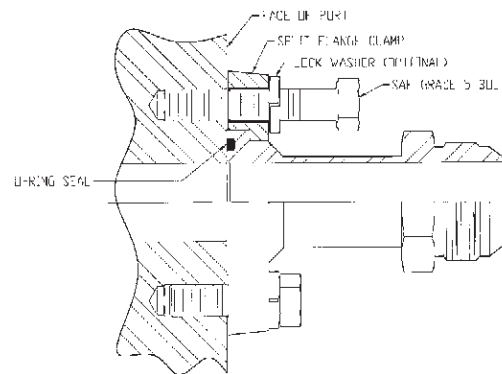
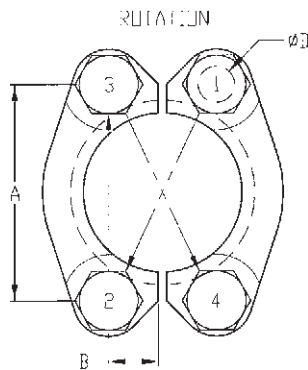
Reference
Aeroquip 2255
Parker Hose 077T
Parker Tube 077T
Weatherhead 9705
SAE J514

Part No.	1-2-3 Female NPSM Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
1603-02-02-02-4 #	1/8 - 27	9/16	0.89	0.89	7/16	5,000
1603-04-04-04-4	1/4 - 18	11/16	1.09	1.09	9/16	5,000
1603-06-06-06-4	3/8 - 18	7/8	1.15	1.15	3/4	4,000
1603-08-08-08-4	1/2 - 14	1"	1.36	1.36	7/8	3,500
1603-12-12-12-4	3/4 - 14	1 1/4	1.65	1.65	1 1/16	2,200
1603-16-16-16-4 #	1 - 11 1/2	1 1/2	1.92	1.92	1 5/16	2,000
1603-20-20-20-4 #	1 1/4 - 11 1/2	1 7/8	2.15	2.15	1 5/8	1,600

Minimum Order Quantity May Apply.

4:1 Safety Factor

Split Flange Adapters






















Pressure Connections offers **Split Flange Adapters** to convert Code 61 or Code 62 flange ports to JIC or O-ring Face Seal (OFS) connections. Ranging in sizes from 1/2" up to 2", these adapters are a convenient and cost effective way to replace expensive hose fittings. They not only make hose alignment easy, but once in place the hose assembly can be replaced with standard hose swivel ends. This eliminates the need for special part numbers and extra inventory. Hydraulic equipment can then be quickly interconnected while maintaining an unbroken split flange O-ring connection.

The **4-Bolt Flange Design** is used world-wide for connecting pumps and motors in hydraulic systems. Split flange halves work by clamping down on the port surface thereby compressing the O-ring into a metal groove in the flange head. The flange head makes metal-to-metal contact with the port surface, leaving no place for the O-ring to extrude or deform under pressure. There are no spiral leak paths, sealing compounds, or gasket misalignments to contaminate the system or get in the way of a leak-free connection in a 4-Bolt Flange Design. The components that make up the Code 61 and Code 62 flange design are standardized by SAE under J518. Those components are: the flange head adapter, a pair of 2-bolt split flange halves (clamps), four Grade 5 bolts and washers, and a 90 durometer O-ring. The flange port design divides the load into four bolts, which require less torque than other port designs of comparable size. The flange head hose assembly can be removed quickly by pivoting one of the split flange halves out of the way. Simply remove one of the split flange bolts and loosen the others.

Assembly is easy. Standard bolts are used (Grade 5 or better), so no special tools are required. First, make sure that the port surface and the flange head, including the O-ring groove, are free of nicks, dings, dirt, grit, or other foreign matter. Next, lubricate the O-ring with 10W hydraulic oil and insert it into the groove of the flange head. Then insert the four bolts with washers through the bolt holes of the split flange halves and thread them in to the port finger tight - the flange head should be centered in-between. Partially tighten each bolt according to the rotation diagram shown above until the specified torque values are obtained in the chart on page 41. This method will reduce the chance of pinching the O-ring and/or over flexing the flange. It should be noted that the split flange halves never actually touch the port surface. A clearance of 0.010" to 0.030" should always be measured after the torque values are reached. Only the flange head makes a metal-to-metal contact. Code 61 and Code 62 have different bolt patterns and are not interchangeable, except for the O-ring. Other brands also have similar dimensions to the SAE J518 flange design, but they are NOT interchangeable either.

Split Flange Adapters

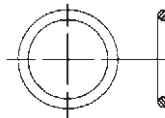
1700  Pg. 45 Code 61 JIC Split Flange Adapter 1-MJ 2-FH61	1703  Pg. 46 Code 61 JIC Split Flange Elbow 1-MJ 2-FH61	1704  Pg. 47 Code 61 JIC Split Flange Elbow 1-MJ 2-FH61	1800  Pg. 48 Code 62 JIC Split Flange Adapter 1-MJ 2-FH62	1803  Pg. 48 Code 62 JIC Split Flange Elbow 1-MJ 2-FH62	1804  Pg. 49 Code 62 JIC Split Flange Elbow 1-MJ 2-FH62	4819  Pg. 90 100R4 Hose Barb x Code 61 Flange 1-HS 2-FH61	FS-1700  Pg. 179 Code 61 OFS Split Flange Adapter 1-OFS 2-FH61	
FS-1703  Pg. 179 Code 61 OFS Split Flange Elbow 1-OFS 2-FH61	FS-1704  Pg. 180 Code 61 OFS Split Flange Elbow 1-OFS 2-FH61	FS-1800  Pg. 181 Code 62 OFS Split Flange Adapter 1-OFS 2-FH62	FS-1803  Pg. 181 Code 62 OFS Split Flange Elbow 1-OFS 2-FH62	FS-1804  Pg. 182 Code 62 OFS Split Flange Elbow 1-OFS 2-FH62	610  Pg. 50 Flange O-Ring Code 61 & 62	61SF ①  Pg. 50 Split Flange Half Code 61	61SF-KIT ①  Pg. 50 Split Flange Kit Code 61	
62SF ①  Pg. 50 Split Flange Half Code 62	62SF-KIT ①  Pg. 50 Split Flange Kit Code 62	 Our Symbol of Quality						

Flange Bolt Torque Values

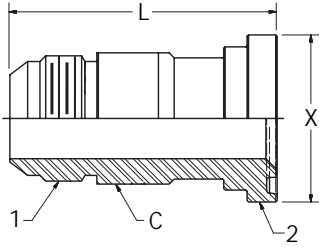
Code 61			Code 62		
lb.-ft.	Bolts	Size	lb.-ft.	Bolts	
		-08	-	-	
21-29	3/8 - 16	-12	26-34	3/8 - 16	
26-35	3/8 - 16	-16	26-50	7/16 - 14	
36-46	7/16 - 14	-20	63-75	1/2 - 13	
46-58	1/2 - 13	-24	117-153	5/8 - 11	
56-66	1/2 - 13	-32	-	-	

37° JIC Flare Torque Values are on pages 51-52
 O-Ring Face Seal Torque Values are on pages 175-176

① Split Flange Kits include the **Flange O-Ring (610)**, which is also sold separately.



Split Flange Halves, Kits, and Flange O-Rings are on page 50



Reference
 Aeroquip 500025/FF5239
 Parker Hose 15T3/4AH3
 Parker Tube XHQ1
 Weatherhead 500
 SAE J518

Part No.	Tube O.D.	1 Male JIC	2 Code 61 Flange Head	C Flats	L Length	X Diameter	Operating Pressure
1700-08-08-4	1/2	3/4 - 16	1/2	13/16	2.600	1.188	5,000
1700-08-12-4 #	1/2	3/4 - 16	3/4	1 1/8	2.750	1.500	5,000
1700-12-12-4	3/4	1 1/16 - 12	3/4	1 1/8	2.750	1.500	5,000
1700-12-16-4	3/4	1 1/16 - 12	1"	1 1/8	2.800	1.750	5,000
1700-12-20-4 #	3/4	1 1/16 - 12	1.25	1 3/8	2.800	2.000	4,000
1700-16-12-4	1"	1 5/16 - 12	3/4	1 3/8	2.770	1.500	5,000
1700-16-16-4	1"	1 5/16 - 12	1"	1 3/8	2.800	1.750	5,000
1700-16-20-4	1"	1 5/16 - 12	1.25	1 3/8	2.800	2.000	4,000
1700-16-24-4 #	1"	1 5/16 - 12	1.5	1 11/16	2.800	2.375	3,000
1700-16-32-4 #	1"	1 5/16 - 12	2"	1 11/16	3.310	2.812	3,000
1700-20-16-4	1 1/4	1 5/8 - 12	1"	1 11/16	2.800	1.750	5,000
1700-20-20-4	1 1/4	1 5/8 - 12	1.25	1 11/16	2.800	2.000	4,000
1700-20-24-4	1 1/4	1 5/8 - 12	1.5	2 1/8	3.490	2.375	3,000
1700-24-20-4 #	1 1/2	1 7/8 - 12	1.25	2"	3.410	2.000	4,000
1700-24-24-4	1 1/2	1 7/8 - 12	1.5	2"	3.500	2.375	3,000
1700-32-24-4 #	2"	2 1/2 - 12	1.5	2 5/8	4.210	2.375	3,000
1700-32-32-4	2"	2 1/2 - 12	2"	2 5/8	3.990	2.812	3,000

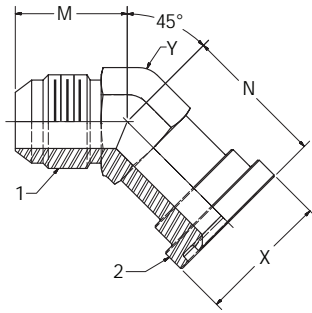
Split Flanges (61SF) and Kits (61SF-KIT) are on page 50.

4:1 Safety Factor

Minimum Order Quantity May Apply.

1703

Flanges Code 61 - MJ Split Flange Elbow



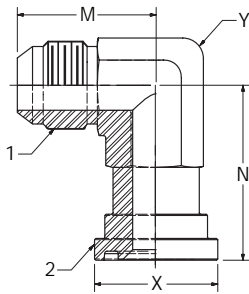
Reference
 Aeroquip 500023/FF5238
 Parker Hose 17T3/4FH3
 Parker Tube XVQ1
 Weatherhead 545
 SAE J518

Part No.	Tube O.D.	1 Male JIC	2 Code 61 Flange Head	M Length	N Length	X Diameter	Y Flats	Operating Pressure
1703-08-08-4 #	1/2	3/4 - 16	1/2	1.050	1.45	1.188	7/8	5,000
1703-12-12-4	3/4	1 1/16 - 12	3/4	1.270	1.62	1.500	1 1/16	5,000
1703-12-16-4 #	3/4	1 1/16 - 12	1"	1.500	1.85	1.750	1 5/16	5,000
1703-16-16-4	1"	1 5/16 - 12	1"	1.500	1.67	1.750	1 5/16	5,000
1703-20-20-4	1 1/4	1 5/8 - 12	1.25	1.600	2.05	2.000	1 5/8	5,000
1703-24-24-4 #	1 1/2	1 7/8 - 12	1.5	1.780	2.38	2.375	1 7/8	3,000
1703-32-32-4	2"	2 1/2 - 12	2"	2.200	2.94	2.812	2 1/2	3,000

Split Flanges (61SF) and Kits (61SF-KIT) are on page 50.

4:1 Safety Factor

Minimum Order Quantity May Apply.



Reference
 Aeroquip 500024/FF5162
 Parker Hose 19T3/4NH3
 Parker Tube XEQ1
 Weatherhead 590
 SAE J518

Part No.	Tube O.D.	1 Male JIC	2 Code 61 Flange Head	M Length	N Length	X Diameter	Y Flats	Operating Pressure
1704-08-08-4 #	1/2	3/4 - 16	1/2	1.660	2.10	1.188	7/8	5,000
1704-08-12-4 #	1/2	3/4 - 16	3/4	1.660	2.13	1.500	1 1/16	5,000
1704-12-12-4	3/4	1 1/16 - 12	3/4	1.690	2.13	1.500	1 1/16	5,000
1704-12-16-4	3/4	1 1/16 - 12	1"	1.800	2.37	1.750	1 5/16	5,000
1704-12-20-4 #	3/4	1 1/16 - 12	1.25	2.070	2.50	2.000	1 5/8	4,000
1704-12-24-4 #	3/4	1 1/16 - 12	1.5	2.350	3.50	2.375	1 7/8	3,000
1704-16-12-4	1"	1 5/16 - 12	3/4	1.660	2.13	1.500	1 5/16	5,000
1704-16-16-4	1"	1 5/16 - 12	1"	1.950	2.38	1.750	1 5/16	5,000
1704-16-20-4	1"	1 5/16 - 12	1.25	2.060	2.61	2.000	1 5/16	4,000
1704-16-24-4 #	1"	1 5/16 - 12	1.5	2.375	3.12	2.375	1 7/8	3,000
1704-20-16-4	1 1/4	1 5/8 - 12	1"	2.020	2.34	1.750	1 5/8	5,000
1704-20-20-4	1 1/4	1 5/8 - 12	1.25	2.030	2.64	2.000	1 5/8	4,000
1704-20-24-4	1 1/4	1 5/8 - 12	1.5	2.330	3.15	2.375	1 5/8	3,000
1704-24-20-4 #	1 1/2	1 7/8 - 12	1.25	2.190	2.63	2.000	1 7/8	4,000
1704-24-24-4	1 1/2	1 7/8 - 12	1.5	2.350	3.12	2.375	1 7/8	3,000
1704-24-32-4	1 1/2	1 7/8 - 12	2"	3.100	4.20	2.812	1 7/8	3,000
1704-32-24-4 #	2"	2 1/2 - 12	1.5	3.050	4.25	2.375	2 1/2	3,000
1704-32-32-4	2"	2 1/2 - 12	2"	3.060	4.25	2.812	2 1/2	3,000

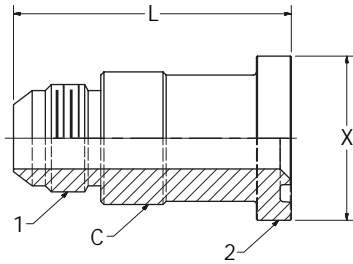
Split Flanges (61SF) and Kits (61SF-KIT) are on page 50.

4:1 Safety Factor

*# Minimum Order Quantity May Apply.

1800

Flanges Code 62 - MJ Split Flange



Reference
Aeroquip FF5541
Parker Hose 6AH3
Parker Tube XHQ2
Weatherhead 600
SAE J518

Part No.	Tube O.D.	1 Male JIC	2 Code 62 Flange Head	C Flats	L Length	X Diameter	Operating Pressure
1800-12-12-4	3/4	1 1/16 - 12	3/4	1 1/8	2.750	1.625	5,000
1800-12-16-4	3/4	1 1/16 - 12	1"	1 1/8	2.810	1.875	5,000
1800-16-12-4 #	1"	1 5/16 - 12	3/4	1 3/8	2.750	1.625	5,000
1800-16-16-4	1"	1 5/16 - 12	1"	1 3/8	2.800	1.875	5,000
1800-16-20-4	1"	1 5/16 - 12	1.25	1 3/8	3.350	2.125	4,000
1800-16-24-4 #	1"	1 5/16 - 12	1.5	1 3/8	3.070	2.500	3,000
1800-20-16-4 #	1 1/4	1 5/8 - 12	1"	1 11/16	3.500	1.875	5,000
1800-20-20-4	1 1/4	1 5/8 - 12	1.25	1 11/16	3.300	2.125	4,000
1800-20-24-4	1 1/4	1 5/8 - 12	1.5	1 11/16	3.500	2.500	3,000
1800-24-20-4 #	1 1/2	1 7/8 - 12	1.25	2"	3.660	2.125	4,000
1800-24-24-4	1 1/2	1 7/8 - 12	1.5	2"	3.520	2.500	3,000
1800-24-32-4 #	1 1/2	1 7/8 - 12	2"	2"	3.980	3.125	3,000
1800-32-24-4 #	2"	2 1/2 - 12	1.5	2 5/8	4.940	2.500	3,000
1800-32-32-4 #	2"	2 1/2 - 12	2"	2 5/8	4.240	3.125	3,000

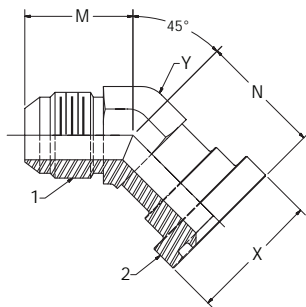
Split Flanges (62SF) and Kits (62SF-KIT) are on page 50.

4:1 Safety Factor

Minimum Order Quantity May Apply.

1803

Code 62 - MJ Split Flange Elbow



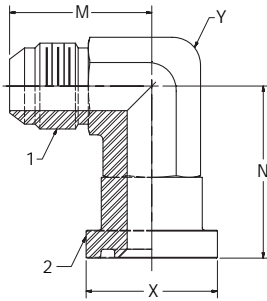
Reference
Aeroquip FF5539
Parker Hose 6FH3
Parker Tube XVQ2
Weatherhead 645
SAE J518

Part No.	Tube O.D.	1 Male JIC	2 Code 62 Flange Head	M Length	N Length	X Diameter	Y Flats	Operating Pressure
1803-12-12-4	3/4	1 1/16 - 12	3/4	1.340	1.52	1.625	1 11/16	5,000
1803-16-16-4	1"	1 5/16 - 12	1"	1.500	1.88	1.875	1 5/16	5,000
1803-20-20-4	1 1/4	1 5/8 - 12	1.25	1.590	2.04	2.125	1 7/8	4,000
1803-24-24-4 #	1 1/2	1 7/8 - 12	1.5	1.790	2.82	2.500	1 7/8	3,000
1803-32-32-4 #	2"	2 1/2 - 12	2"	2.220	3.00	3.125	2 1/2	3,000

Split Flanges (62SF) and Kits (62SF-KIT) are on page 50.

4:1 Safety Factor

Minimum Order Quantity May Apply.



Reference
 Aeroquip FF5540
 Parker Hose 6NH3
 Parker Tube XEQ2
 Weatherhead 690
 SAE J518

Part No.	Tube O.D.	1 Male JIC	2 Code 62 Flange Head	M Length	N Length	X Diameter	Y Flats	Operating Pressure
1804-08-08-4 #	1/2	3/4 - 16	1/2	1.720	2.14	1.250	7/8	5,000
1804-12-12-4	3/4	1 1/16 - 12	3/4	1.760	2.13	1.625	1 1/16	5,000
1804-12-16-4	3/4	1 1/16 - 12	1"	1.790	2.39	1.875	1 5/16	5,000
1804-16-12-4 #	1"	1 5/16 - 12	3/4	1.790	2.13	1.625	1 5/16	5,000
1804-16-16-4	1"	1 5/16 - 12	1"	2.110	2.39	1.875	1 5/16	5,000
1804-16-20-4	1"	1 5/16 - 12	1.25	2.060	2.760	2.125	1 5/16	4,000
1804-20-16-4 #	1 1/4	1 5/8 - 12	1"	2.080	2.35	1.875	1 5/8	5,000
1804-20-20-4	1 1/4	1 5/8 - 12	1.25	2.080	2.75	2.125	1 5/8	4,000
1804-20-24-4 #	1 1/4	1 5/8 - 12	1.5	2.310	3.23	2.500	1 5/8	4,000
1804-24-20-4 #	1 1/2	1 7/8 - 12	1.25	2.270	2.76	2.125	1 7/8	4,000
1804-24-24-4 #	1 1/2	1 7/8 - 12	1.5	2.310	3.25	2.500	1 7/8	3,000
1804-24-32-4 #	1 1/2	1 7/8 - 12	2"	3.060	4.25	3.125	2 1/2	3,000
1804-32-24-4 #	2"	2 1/2 - 12	1.5	3.060	4.25	2.500	2 1/2	3,000
1804-32-32-4	2"	2 1/2 - 12	2"	3.060	4.25	3.125	2 1/2	3,000

Split Flanges (62SF) and Kits (62SF-KIT) are on page 50.

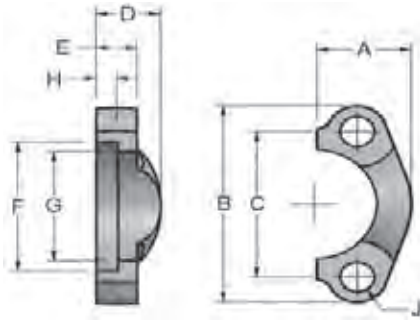
4:1 Safety Factor

Minimum Order Quantity May Apply.

61SF

Flanges Code 61 Split Flange Half

Reference
Aeroquip 449/FC2713
Parker Hose 50H/51H
Parker Tube FCS1
Weatherhead 251
SAE J518



Part No.	Tube O.D.	A	B	C	D	E	F	G	H	J	Bolt Size	Bolt Length
61SF-08	1/2	0.86	2.125	1.500	0.75	0.50	1.219	0.955	0.245	0.344	5/16-18	1.25
61SF-12	3/4	0.98	2.560	1.875	0.88	0.56	1.531	1.265	0.245	0.406	3/8-16	1.25
61SF-16	1"	1.11	2.750	2.062	0.94	0.62	1.781	1.515	0.295	0.406	3/8-16	1.25
61SF-20	1 1/4	1.39	3.120	2.312	0.88	0.56	2.031	1.720	0.295	0.469	7/16-14	1.50
61SF-24	1 1/2	1.58	3.690	2.750	1.00	0.62	2.406	2.000	0.295	0.531	1/2-13	1.50
61SF-32	2"	1.86	4.000	3.062	1.03	0.62	2.844	2.470	0.355	0.531	1/2-13	1.50
61SF-40	2 1/2	2.09	4.500	3.500	1.50	0.75	3.344	2.950	0.355	0.531	1/2-13	1.75
61SF-48	3"	2.53	5.315	4.188	1.62	0.88	4.031	3.580	0.355	0.656	5/8-11	1.75
61SF-56 #	3 1/2	2.70	6.000	4.750	1.12	0.88	4.531	4.030	0.422	0.656	5/8-11	2.00
61SF-64 #	4"	2.95	6.380	5.125	1.38	1.00	5.031	4.530	0.422	0.656	5/8-11	2.00

Minimum Order Quantity May Apply.

62SF

Code 62 Split Flange Half

Part No.	Tube O.D.	A	B	C	D	E	F	G	H	J	Bolt Size	Bolt Length
62SF-08 #	1/2	0.89	2.170	1.594	0.88	0.62	1.281	0.970	0.285	0.344	5/16-18	1.25
62SF-12	3/4	1.14	2.810	2.000	1.12	0.75	1.656	1.280	0.325	0.406	3/8-16	1.50
62SF-16	1"	1.33	3.190	2.250	1.31	0.94	1.906	1.530	0.355	0.469	7/16-14	1.75
62SF-20	1 1/4	1.48	3.750	2.625	1.50	1.06	2.156	1.750	0.385	0.531	1/2-13	1.75
62SF-24	1 1/2	1.83	4.440	3.125	1.69	1.19	2.531	2.030	0.475	0.656	5/8-11	2.25
62SF-32	2"	2.20	5.250	3.812	2.06	1.44	3.156	2.660	0.475	0.781	3/4-10	2.75

Minimum Order Quantity May Apply.

**Code 61 and Code 62 Split Flanges
are also available in Kits**



(61SF-KIT and 62SF-KIT)

**The same Flange O-Ring (610) is used by both the
Code 61 and Code 62 Split Flanges**

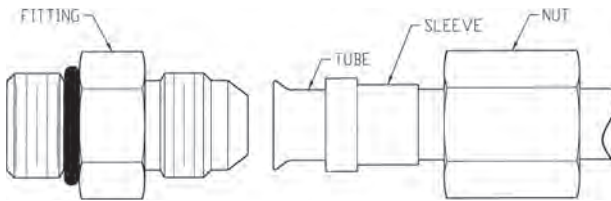


(sold separately)

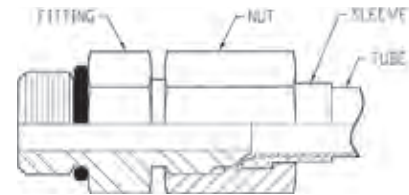
37° JIC Flare



Components



Assembled


























The 37° JIC (Joint Industrial Council) Flare is a reliable, straight thread, single-flare design that is used world-wide. It is popular in many applications and environments because it is compact and easy to assemble. It also features high holding power with low torque requirements. The 37° JIC connection consists of three pieces: the nut, the sleeve, and the fitting in a range of sizes from 1/8" up through 2". The sleeve not only absorbs vibration, but acts as a support to the flare during assembly and helps reduce the risk of twisting the tube. Since it is a metal-to-metal seal it can be reliably connected and reconnected multiple times. Because flaring is necessary, it is NOT recommended for thick wall tubing, and the tubing used should not be harder than Rockwell B65. **For assembly instructions see the 37° JIC Torque Values on pages 51–52, and the Female JIC Swivel details on pages 129–130.**

Hydraulic tube fittings are dimensionally standardized by SAE under J514, but because of differing manufacturing methods and interpretation of conformance, actual performance will vary between brands. This is where our Quality Assurance Department sets us apart from other manufacturers. Pressure Connections takes great pride in each fitting we sell. Standard material for our 37° JIC Fittings is steel with a RoHS compliant 96-hour salt spray finish that exceeds the SAE 72-hour salt spray requirement. For details about our Quality Assurance Program please reference the inside front cover of this catalog.

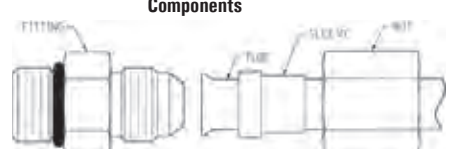


3D Models are available on request

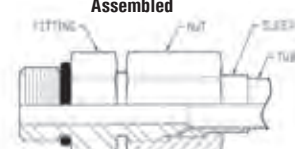
37° JIC Flare

<p>● 2403 (070101)</p>  <p>Pg. 53 Tube Union 1-MJ 2-MJ</p>	<p>● 2403LH (070119)</p>  <p>Pg. 54 Large Hex Union 1-MJ 2-MJ</p>	<p>● 2404 (070102)</p>  <p>Pgs. 55 Male Connector 1-MJ 2-MP</p>	<p>● 2404L / LL</p>  <p>Pg. 56 Male Connector Long 1-MJ 2-MP</p>	<p>● 2405 (070103)</p>  <p>Pg. 57 Female Connector 1-MJ 2-FP</p>	<p>● 2406 (070123)</p>  <p>Pg. 58 JIC Tube Reducer 1-FJ 2-MJ</p>	<p>● 2406R (070123)</p>  <p>Pg. 59 RESTRICTOR JIC Tube Reducer 1-FJ 2-MJ</p>	<p>● 2407 (070123)</p>  <p>Pg. 60 Insert Tube Reducer 1-FJ 2-MJ</p>
<p>● 2408 (070109)</p>  <p>Pg. 61 Tube Plug 1-MJ</p>	<p>● 2500 (070201)</p>  <p>Pg. 62 Union Elbow 1-MJ 2-MJ</p>	<p>● 2501 (070202)</p>  <p>Pgs. 63 Male Elbow 1-MJ 2-MP</p>	<p>● 2501L (071502)</p>  <p>Pg. 65 Male Elbow Long 1-MJ 2-MP</p>	<p>● 2501LL (071602)</p>  <p>Pg. 65 Male Elbow Double Long 1-MJ 2-MP</p>	<p>● 2502 (070203)</p>  <p>Pg. 66 Female Elbow 1-MJ 2-FP</p>	<p>● 2503 (070302)</p>  <p>Pg. 67 Male Elbow 1-MJ 2-MP</p>	<p>● 2504</p>  <p>Pg. 68 Union Elbow 1-MJ 2-MJ</p>
<p>● 2505</p>  <p>Pg. 68 Female Elbow 1-MJ 2-FP</p>	<p>● 2601 (070425)</p>  <p>Pg. 69 Male Branch Tee 1-MJ 2-MJ 3-MP</p>	<p>● 2602 (070427)</p>  <p>Pg. 70 Female Branch Tee 1-MJ 2-MJ 3-FP</p>	<p>● 2603 (070401)</p>  <p>Pg. 71 Union Tee 1-MJ 2-MJ 3-MJ</p>	<p>● 2605 (070424)</p>  <p>Pg. 72 Male Run Tee 1-MJ 2-MP 3-MJ</p>	<p>● 2606 (070426)</p>  <p>Pg. 73 Female Run Tee 1-MJ 2-FP 3-MJ</p>	<p>● 2650 (070501)</p>  <p>Pg. 74 Union Cross 1, 2, 3, 4-MJ</p>	

Components



Assembled



● Available in **316 Stainless Steel**

37° JIC Flare Torque Values

F.F.F.T.	Size	lb.-ft. min./max.
-	-02	6-7
-	-03	8-9
2	-04	11-12
2	-05	14-15
1 1/2	-06	18-20
1 1/2	-08	36-39
1 1/2	-10	57-63
1 1/4	-12	79-88
1	-14	94-103
1	-16	108-113
1	-20	127-133
1	-24	158-167
1	-32	245-258

Flats From Finger Tight (F.F.F.T.)
is a Turns Method that counts the number of hex flats past the finger tightened position.

Assembly Steps With a Visual Check

1. With the tube flared, make sure the tubing and threads are clean.
2. Lubricate the threads with 10W hydraulic oil.
3. Hand tighten the nut/sleeve (approx. 30 lb-in.).
4. Make alignment marks on the nut and fitting.
5. Proceed to tighten to F.F.F.T. or lb-ft. values.
6. When fully tightened make a 2nd set of alignment marks at the fully tightened position.

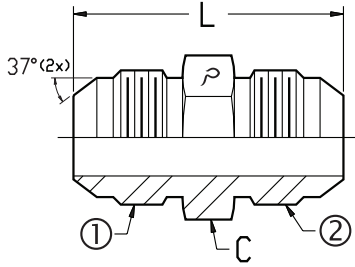
This completes a 37° JIC Flare connection with quick reference visual marks to monitor the nut if it has backed off.

- Torque values are for threads lubricated with 10W hydraulic oil.
- Sizes -02 through -08 are less tolerant to over-torque abuse.
- Over-torque abuse reduces the clamping force resulting in loss of seal and a reduction in flow.

● For Stainless Steel use the Maximum Value

2403

37° JIC Flare Fittings Tube Union



Reference
Aeroquip 2027
Parker Hose 0303
Parker Tube HTX
Weatherhead C5305
SAE 070101

Part No.	Tube O.D.	1 Male JIC	2 Male JIC	C Hex	L Length	Operating Pressure
2403-02-02 #	1/8	5/16 - 24	5/16 - 24	7/16	1.19	7,500
2403-03-03	3/16	3/8 - 24	3/8 - 24	7/16	1.23	7,500
2403-04-02 #	1/4 x 1/8	7/16 - 20	5/16 - 24	1/2	1.27	7,500
2403-04-03 #	1/4 x 3/16	7/16 - 20	3/8 - 24	1/2	1.30	7,500
2403-04-04	1/4	7/16 - 20	7/16 - 20	1/2	1.37	7,500
2403-05-04 #	5/16 x 1/4	1/2 - 20	7/16 - 20	9/16	1.37	6,000
2403-05-05	5/16	1/2 - 20	1/2 - 20	9/16	1.37	6,000
2403-06-04	3/8 x 1/4	9/16 - 18	7/16 - 20	5/8	1.40	6,000
2403-06-05	3/8 x 5/16	9/16 - 18	1/2 - 20	5/8	1.40	6,000
2403-06-06	3/8	9/16 - 18	9/16 - 18	5/8	1.41	6,000
2403-08-04 #	1/2 x 1/4	3/4 - 16	7/16 - 20	13/16	1.51	6,000
2403-08-06	1/2 x 3/8	3/4 - 16	9/16 - 18	13/16	1.52	6,000
2403-08-08	1/2	3/4 - 16	3/4 - 16	13/16	1.62	6,000
2403-10-04 #	5/8 x 1/4	7/8 - 14	7/16 - 20	15/16	1.67	5,000
2403-10-06 #	5/8 x 3/8	7/8 - 14	9/16 - 18	15/16	1.68	5,000
2403-10-08	5/8 x 1/2	7/8 - 14	3/4 - 16	15/16	1.78	5,000
2403-10-10	5/8	7/8 - 14	7/8 - 14	15/16	1.88	5,000
2403-12-04 #	3/4 x 1/4	1 1/16 - 12	7/16 - 20	1 1/8	1.85	5,000
2403-12-06 #	3/4 x 3/8	1 1/16 - 12	9/16 - 18	1 1/8	1.85	5,000
2403-12-08	3/4 x 1/2	1 1/16 - 12	3/4 - 16	1 1/8	1.95	5,000
2403-12-10	3/4 x 5/8	1 1/16 - 12	7/8 - 14	1 1/8	2.05	5,000
2403-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1 1/8	2.16	5,000
2403-14-12 #	7/8 x 3/4	1 3/16 - 12	1 1/16 - 12	1 1/4	2.18	5,000
2403-14-14	7/8	1 3/16 - 12	1 3/16 - 12	1 1/4	2.21	5,000
2403-16-10 #	1" x 5/8	1 5/16 - 12	7/8 - 14	1 3/8	2.10	4,000
2403-16-12	1" x 3/4	1 5/16 - 12	1 1/16 - 12	1 3/8	2.20	4,000
2403-16-16	1"	1 5/16 - 12	1 5/16 - 12	1 3/8	2.25	4,000
2403-20-12 #	1 1/4 x 3/4	1 5/8 - 12	1 1/16 - 12	1 11/16	2.34	4,000
2403-20-16	1 1/4 x 1"	1 5/8 - 12	1 5/16 - 12	1 11/16	2.38	4,000
2403-20-20	1 1/4	1 5/8 - 12	1 5/8 - 12	1 11/16	2.43	4,000
2403-24-16 #	1 1/2 x 1"	1 7/8 - 12	1 5/16 - 12	2"	2.58	3,000
2403-24-20 #	1 1/2 x 1 1/4	1 7/8 - 12	1 5/8 - 12	2"	2.62	3,000
2403-24-24	1 1/2	1 7/8 - 12	1 7/8 - 12	2"	2.75	3,000
2403-32-24 #	2" x 1 1/2	1 7/8 - 12	1 7/8 - 12	2 5/8	3.15	2,000
2403-32-32	2"	2 1/2 - 12	2 1/2 - 12	2 5/8	3.40	2,000

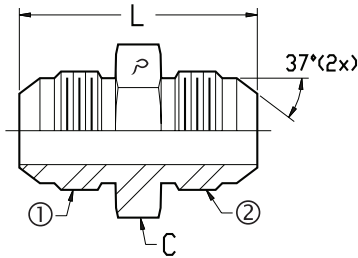
• Available in 316 Stainless Steel

4:1 Safety Factor

Minimum Order Quantity May Apply.

2403LH

37° JIC Flare Fittings Large Hex Tube Union



Reference
Aeroquip 202712
Parker Hose 03L3
Parker Tube LHTX
Weatherhead C5306
SAE 070119

Part No.	Tube O.D.	1 Male JIC	2 Male JIC	C Hex	L Length	Operating Pressure
2403LH-04-04 #	1/4	7/16 - 20	7/16 - 20	11/16	1.37	7,500
2403LH-05-05 #	5/16	1/2 - 20	1/2 - 20	3/4	1.37	6,000
2403LH-06-06 #	3/8	9/16 - 18	9/16 - 18	13/16	1.41	6,000
2403LH-08-06 #	1/2 x 3/8	3/4 - 16	9/16 - 18	1"	1.52	6,000
2403LH-08-08 #	1/2	3/4 - 16	3/4 - 16	1"	1.62	6,000
2403LH-10-10 #	5/8	7/8 - 14	7/8 - 14	1 1/8	1.88	5,000
2403LH-12-12 #	3/4	1 1/16 - 12	1 1/16 - 12	1 3/8	2.16	5,000
2403LH-16-16 #	1"	1 5/16 - 12	1 5/16 - 12	1 5/8	2.25	4,000
2403LH-20-20 #	1 1/4	1 5/8 - 12	1 5/8 - 12	1 7/8	2.43	4,000
2403LH-24-24 #	1 1/2	1 7/8 - 12	1 7/8 - 12	2 1/8	2.75	3,000

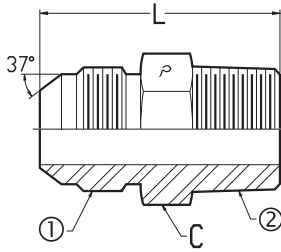
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

2404

37° JIC Flare Fittings Male Connector



Reference
Aeroquip 2021
Parker Hose 0103
Parker Tube FTX
Weatherhead C5205
SAE 070102

Part No.	Tube O.D.	1 Male JIC	2 Male NPTF	C Hex	L Length	Operating Pressure
2404-02-02	1/8	5/16 - 24	1/8 - 27	7/16	1.11	6,000
2404-03-02	3/16	3/8 - 24	1/8 - 27	7/16	1.14	6,000
2404-04-02	1/4	7/16 - 20	1/8 - 27	1/2	1.22	6,000
2404-04-04	1/4	7/16 - 20	1/4 - 18	9/16	1.42	6,000
2404-04-06	1/4	7/16 - 20	3/8 - 18	3/4	1.42	6,000
2404-04-08	1/4	7/16 - 20	1/2 - 14	7/8	1.68	6,000
2404-04-12	1/4	7/16 - 20	3/4 - 14	1 1/8	1.75	5,000
2404-05-02	5/16	1/2 - 20	1/8 - 27	9/16	1.22	6,000
2404-05-04	5/16	1/2 - 20	1/4 - 18	9/16	1.42	6,000
2404-05-06	5/16	1/2 - 20	3/8 - 18	3/4	1.42	6,000
2404-06-02	3/8	9/16 - 18	1/8 - 27	5/8	1.24	6,000
2404-06-04	3/8	9/16 - 18	1/4 - 18	5/8	1.43	6,000
2404-06-06	3/8	9/16 - 18	3/8 - 18	3/4	1.43	6,000
2404-06-08	3/8	9/16 - 18	1/2 - 14	7/8	1.69	6,000
2404-06-12	3/8	9/16 - 18	3/4 - 14	1 1/8	1.75	5,500
2404-08-02	1/2	3/4 - 16	1/8 - 27	13/16	1.34	6,000
2404-08-04	1/2	3/4 - 16	1/4 - 18	13/16	1.53	6,000
2404-08-06	1/2	3/4 - 16	3/8 - 18	13/16	1.53	6,000
2404-08-08	1/2	3/4 - 16	1/2 - 14	7/8	1.79	6,000
2404-08-12	1/2	3/4 - 16	3/4 - 14	1 1/8	1.85	5,500
2404-08-16	1/2	3/4 - 16	1 - 11 1/2	1 3/8	2.05	4,500
2404-10-04	5/8	7/8 - 14	1/4 - 18	15/16	1.70	5,000
2404-10-06	5/8	7/8 - 14	3/8 - 18	15/16	1.70	5,000
2404-10-08	5/8	7/8 - 14	1/2 - 14	15/16	1.89	5,000
2404-10-12	5/8	7/8 - 14	3/4 - 14	1 1/8	1.95	5,000
2404-10-16	5/8	7/8 - 14	1 - 11 1/2	1 3/8	2.15	4,500
2404-10-24 #	5/8	7/8 - 14	1 1/2 - 11 1/2	2"	2.35	3,000
2404-12-06	3/4	1 1/16 - 12	3/8 - 18	1 1/8	1.87	5,000
2404-12-08	3/4	1 1/16 - 12	1/2 - 14	1 1/8	2.06	5,000
2404-12-12	3/4	1 1/16 - 12	3/4 - 14	1 1/8	2.06	5,000
2404-12-16	3/4	1 1/16 - 12	1 - 11 1/2	1 3/8	2.25	5,000
2404-12-20	3/4	1 1/16 - 12	1 1/4 - 11 1/2	1 11/16	2.36	5,000
2404-12-24	3/4	1 1/16 - 12	1 1/2 - 11 1/2	2"	2.46	3,000
2404-14-08 #	7/8	1 3/16 - 12	1/2 - 14	1 1/4	2.09	5,000
2404-14-12	7/8	1 3/16 - 12	3/4 - 14	1 1/4	2.09	5,000
2404-16-08	1"	1 5/16 - 12	1/2 - 14	1 3/8	2.11	4,500

• Available in 316 Stainless Steel

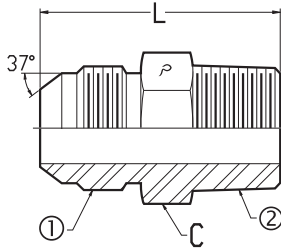
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4:1 Safety Factor

Minimum Order Quantity May Apply.

2404

37° JIC Flare Fittings Male Connector



Reference
Aeroquip 2021
Parker Hose 0103
Parker Tube FTX
Weatherhead C5205
SAE 070102

Continued from previous page.

Part No.	Tube O.D.	1 Male JIC	2 Male NPTF	C Hex	L Length	Operating Pressure
2404-16-12	1"	1 5/16 - 12	3/4 - 14	1 3/8	2.11	4,500
2404-16-16	1"	1 5/16 - 12	1 - 11 1/2	1 3/8	2.30	3,000
2404-16-20	1"	1 5/16 - 12	1 1/4 - 11 1/2	1 11/16	2.40	3,000
2404-16-24	1"	1 5/16 - 12	1 1/2 - 11 1/2	2"	2.51	3,000
2404-20-12 #	1 1/4	1 5/8 - 12	3/4 - 14	1 11/16	2.23	3,000
2404-20-16	1 1/4	1 5/8 - 12	1 - 11 1/2	1 11/16	2.42	3,000
2404-20-20	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	1 11/16	2.45	3,000
2404-20-24	1 1/4	1 5/8 - 12	1 1/2 - 11 1/2	2"	2.55	3,000
2404-24-16	1 1/2	1 7/8 - 12	1 - 11 1/2	2"	2.62	3,000
2404-24-20	1 1/2	1 7/8 - 12	1 1/4 - 11 1/2	2"	2.65	3,000
2404-24-24	1 1/2	1 7/8 - 12	1 1/2 - 11 1/2	2"	2.68	3,000
2404-24-32 #	1 1/2	1 7/8 - 12	2 - 11 1/2	2 1/2	2.86	2,000
2404-32-16 #	2"	2 1/2 - 12	1 - 11 1/2	2 5/8	3.02	2,000
2404-32-20 #	2"	2 1/2 - 12	1 1/4 - 11 1/2	2 5/8	3.05	2,000
2404-32-24 #	2"	2 1/2 - 12	1 1/2 - 11 1/2	2 5/8	3.18	2,000
2404-32-32	2"	2 1/2 - 12	2 - 11 1/2	2 5/8	3.11	2,000

• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

2404L

Male Connector Long

Part No.	Tube O.D.	1 Male JIC	2 Male NPTF	C Hex	L Length	Operating Pressure
2404L-04-02 #	1/4	7/16 - 20	1/8 - 27	1/2	1.81	6,000
2404LL-04-02	1/4	7/16 - 20	1/8 - 27	1/2	2.56	5,000
2404L-04-04 #	1/4	7/16 - 20	1/4 - 18	5/8	2.25	6,000
2404L-05-04 #	5/16	1/2 - 20	1/4 - 18	9/16	2.25	6,000
2404L-06-04	3/8	9/16 - 18	1/4 - 18	5/8	2.25	6,000
2404L-06-06 #	3/8	9/16 - 18	3/8 - 18	3/4	2.25	6,000
2404L-08-06 #	1/2	3/4 - 16	3/8 - 18	13/16	2.75	6,000
2404L-12-12 #	3/4	1 1/16 - 12	3/4 - 14	1 1/8	3.50	5,000
2404L-16-16 #	1"	1 5/16 - 12	1 - 11 1/2	1 3/8	4.00	3,000

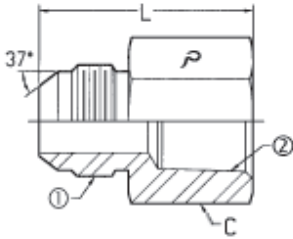
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

2405

37° JIC Flare Fittings Female Connector



Reference
Aeroquip 2022
Parker Hose 0203
Parker Tube GTX
Weatherhead C5255
SAE 070103

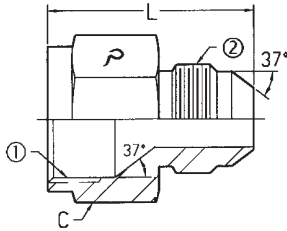
Part No.	Tube O.D.	1 Male JIC	2 Female NPTF	C Hex	L Length	Operating Pressure
2405-02-02	1/8	5/16 - 24	1/8 - 27	9/16	1.12	6,000
2405-03-02	3/16	3/8 - 24	1/8 - 27	9/16	1.13	6,000
2405-04-02	1/4	7/16 - 20	1/8 - 27	9/16	1.19	6,000
2405-04-04	1/4	7/16 - 20	1/4 - 18	3/4	1.39	6,000
2405-04-06	1/4	7/16 - 20	3/8 - 18	7/8	1.45	6,000
2405-05-02	5/16	1/2 - 20	1/8 - 27	9/16	1.17	6,000
2405-05-04	5/16	1/2 - 20	1/4 - 18	3/4	1.40	6,000
2405-06-02	3/8	9/16 - 18	1/8 - 27	5/8	1.19	6,000
2405-06-04	3/8	9/16 - 18	1/4 - 18	3/4	1.40	6,000
2405-06-06	3/8	9/16 - 18	3/8 - 18	7/8	1.46	6,000
2405-06-08	3/8	9/16 - 18	1/2 - 14	1 1/8	1.70	5,000
2405-08-04	1/2	3/4 - 16	1/4 - 18	13/16	1.55	6,000
2405-08-06	1/2	3/4 - 16	3/8 - 18	7/8	1.56	6,000
2405-08-08	1/2	3/4 - 16	1/2 - 14	1 1/8	1.79	5,000
2405-08-12	1/2	3/4 - 16	3/4 - 14	1 3/8	1.85	4,000
2405-10-06	5/8	7/8 - 14	3/8 - 18	15/16	1.67	5,000
2405-10-08	5/8	7/8 - 14	1/2 - 14	1 1/8	1.89	5,000
2405-10-12 #	5/8	7/8 - 14	3/4 - 14	1 3/8	1.95	4,000
2405-12-08	3/4	1 1/16 - 12	1/2 - 14	1 1/8	2.05	5,000
2405-12-12	3/4	1 1/16 - 12	3/4 - 14	1 3/8	2.06	4,000
2405-12-16 #	3/4	1 1/16 - 12	1 - 11 1/2	1 5/8	2.33	3,000
2405-14-12 #	7/8	1 3/16 - 12	3/4 - 14	1 3/8	2.06	4,000
2405-16-12	1"	1 5/16 - 12	3/4 - 14	1 3/8	2.13	4,000
2405-16-16	1"	1 5/16 - 12	1 - 11 1/2	1 5/8	2.35	3,000
2405-16-20 #	1"	1 5/16 - 12	1 1/4 - 11 1/2	2"	2.43	2,500
2405-20-16 #	1 1/4	1 5/8 - 12	1 - 11 1/2	1 11/16	2.47	3,000
2405-20-20	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	2"	2.49	2,500
2405-20-24 #	1 1/4	1 5/8 - 12	1 1/2 - 11 1/2	2 3/8	2.51	2,000
2405-24-20 #	1 1/2	1 7/8 - 12	1 1/4 - 11 1/2	2 3/8	2.59	2,500
2405-24-24	1 1/2	1 7/8 - 12	1 1/2 - 11 1/2	2 3/8	2.62	2,000
2405-32-24 #	2"	2 1/2 - 12	1 1/2 - 11 1/2	2 7/8	2.95	2,000
2405-32-32	2"	2 1/2 - 12	2 - 11 1/2	2 7/8	2.97	1,500

• Available in 316 Stainless Steel

4:1 Safety Factor

Minimum Order Quantity May Apply.

Reference
Aeroquip 2215
Parker Hose 0603
Parker Tube TRTX
Weatherhead C5015
SAE 070123



Part No.	Tube O.D.	1 Female JIC	2 Male JIC	C Hex	L Length	Operating Pressure
2406-04-03 #	1/4 x 3/16	7/16 - 20	3/8 - 24	9/16	1.05	6,000
2406-04-06	1/4 x 3/8	7/16 - 20	9/16 - 18	5/8	1.00	6,000
2406-05-04	5/16 x 1/4	1/2 - 20	7/16 - 20	5/8	1.19	6,000
2406-06-04	3/8 x 1/4	9/16 - 18	7/16 - 20	11/16	1.19	6,000
2406-06-05	3/8 x 5/16	9/16 - 18	1/2 - 20	11/16	1.19	6,000
2406-06-08	3/8 x 1/2	9/16 - 18	3/4 - 16	13/16	1.28	6,000
2406-08-04	1/2 x 1/4	3/4 - 16	7/16 - 20	7/8	1.34	6,000
2406-08-06	1/2 x 3/8	3/4 - 16	9/16 - 18	7/8	1.31	6,000
2406-08-10	1/2 x 5/8	3/4 - 16	7/8 - 14	15/16	1.34	5,000
2406-08-12	1/2 x 3/4	3/4 - 16	1 1/16 - 12	1 1/8	1.44	5,000
2406-10-04	5/8 x 1/4	7/8 - 14	7/16 - 20	1"	1.47	5,000
2406-10-06	5/8 x 3/8	7/8 - 14	9/16 - 18	1"	1.41	5,000
2406-10-08	5/8 x 1/2	7/8 - 14	3/4 - 16	1"	1.49	5,000
2406-10-12	5/8 x 3/4	7/8 - 14	1 1/16 - 12	1 1/8	1.58	5,000
2406-12-04	3/4 x 1/4	1 1/16 - 12	7/16 - 20	1 1/4	1.50	5,000
2406-12-06	3/4 x 3/8	1 1/16 - 12	9/16 - 18	1 1/4	1.48	5,000
2406-12-08	3/4 x 1/2	1 1/16 - 12	3/4 - 16	1 1/4	1.63	5,000
2406-12-10	3/4 x 5/8	1 1/16 - 12	7/8 - 14	1 1/4	1.68	5,000
2406-12-16	3/4 x 1"	1 1/16 - 12	1 5/16 - 12	1 3/8	1.82	4,000
2406-14-06 #	7/8 x 3/8	1 3/16 - 12	9/16 - 18	1 3/8	1.59	5,000
2406-14-08 #	7/8 x 1/2	1 3/16 - 12	3/4 - 16	1 3/8	1.69	5,000
2406-14-10 #	7/8 x 5/8	1 3/16 - 12	7/8 - 14	1 3/8	1.79	5,000
2406-14-12 #	7/8 x 3/4	1 3/16 - 12	1 1/16 - 12	1 3/8	1.89	5,000
2406-16-04	1" x 1/4	1 5/16 - 12	7/16 - 20	1 1/2	1.57	5,000
2406-16-06	1" x 3/8	1 5/16 - 12	9/16 - 18	1 1/2	1.58	4,000
2406-16-08	1" x 1/2	1 5/16 - 12	3/4 - 16	1 1/2	1.72	4,000
2406-16-10	1" x 5/8	1 5/16 - 12	7/8 - 14	1 1/2	1.81	4,000
2406-16-12	1" x 3/4	1 5/16 - 12	1 1/16 - 12	1 1/2	1.93	4,000
2406-16-14 #	1" x 7/8	1 5/16 - 12	1 3/16 - 12	1 1/2	1.91	4,000
2406-16-20	1"	1 5/16 - 12	1 5/8 - 12	1 11/16	1.70	4,000
2406-20-08 #	1 1/4 x 1/2	1 5/8 - 12	3/4 - 16	2"	1.76	4,000
2406-20-12	1 1/4 x 3/4	1 5/8 - 12	1 1/16 - 12	2"	1.98	4,000
2406-20-16	1 1/4 x 1"	1 5/8 - 12	1 5/16 - 12	2"	2.03	4,000
2406-20-24	1 1/4 x 1 1/2	1 5/8 - 12	1 7/8 - 12	2"	2.13	3,000
2406-24-08 #	1 1/2 x 1/2	1 7/8 - 12	3/4 - 16	2 1/4	1.85	3,000

• Available in **316 Stainless Steel**

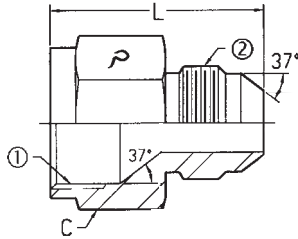
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4:1 Safety Factor

#" Minimum Order Quantity May Apply.

2406

37° JIC Flare Fittings JIC Tube Reducer



Reference
Aeroquip 2215
Parker Hose 0603
Parker Tube TRTX
Weatherhead C5015
SAE 070123

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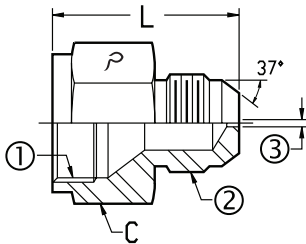
Part No.	Tube O.D.	1 Female JIC	2 Male JIC	C Hex	L Length	Operating Pressure
2406-24-10 #	1 1/2 x 5/8	1 7/8 - 12	7/8 - 14	2 1/4	1.95	3,000
2406-24-12	1 1/2 x 3/4	1 7/8 - 12	1 1/16 - 12	2 1/4	2.11	3,000
2406-24-16	1 1/2 x 1"	1 7/8 - 12	1 5/16 - 12	2 1/4	2.17	3,000
2406-24-20	1 1/2 x 1 1/4	1 7/8 - 12	1 5/8 - 12	2 1/4	2.21	3,000
2406-24-32	1 1/2 x 2"	1 7/8 - 12	2 1/2 - 12	2.625	2.40	2,000
2406-32-20	2" x 1 1/4	2 1/2 - 12	1 5/8 - 12	2 7/8	2.40	2,000
2406-32-24	2" x 1 1/2	2 1/2 - 12	1 7/8 - 12	2 7/8	2.64	2,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

2406R

JIC Tube Reducer RESTRICTOR



Reference
Parker Tube XHX7
SAE J514

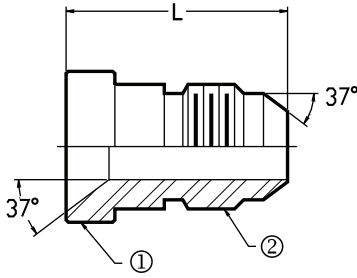
Part No.	Tube O.D.	1 Female JIC	2 Male JIC	3 Orifice	C Hex	L Length	Operating Pressure
2406R-04-04-.000 #	1/4	7/16 - 20	7/16 - 20	Blank	9/16	1.15	6,000
2406R-04-04-.015 #	1/4	7/16 - 20	7/16 - 20	1/64	9/16	1.15	6,000
2406R-04-04-.022 #	1/4	7/16 - 20	7/16 - 20	.55mm	9/16	1.15	6,000
2406R-04-04-.031	1/4	7/16 - 20	7/16 - 20	1/32	9/16	1.15	6,000
2406R-04-04-.043 #	1/4	7/16 - 20	7/16 - 20	#57	9/16	1.15	6,000
2406R-04-04-.062 #	1/4	7/16 - 20	7/16 - 20	1/16	9/16	1.15	6,000
2406R-06-06-.000	3/8	9/16 - 18	9/16 - 18	Blank	11/16	1.18	6,000
2406R-06-06-.031	3/8	9/16 - 18	9/16 - 18	1/32	11/16	1.18	6,000
2406R-06-06-.062	3/8	9/16 - 18	9/16 - 18	1/16	11/16	1.18	6,000
2406R-06-06-.094 #	3/8	9/16 - 18	9/16 - 18	3/32	11/16	1.18	6,000
2406R-08-08-.000	1/2	3/4 - 16	3/4 - 16	Blank	7/8	1.41	5,000
2406R-08-08-.031 #	1/2	3/4 - 16	3/4 - 16	1/32	7/8	1.41	5,000
2406R-08-08-.062	1/2	3/4 - 16	3/4 - 16	1/16	7/8	1.41	5,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

2407

37° JIC Flare Fittings JIC Tube Reducer INSERT



Reference
Aeroquip 221501
Parker Tube TRTXN
Weatherhead C5015
SAE 070123

Part No.	Tube O.D.	1 Female JIC	2 Male JIC	L Length	Operating Pressure
2407-06-04	3/8	9/16 - 18	7/16 - 20	0.97	6,000
2407-08-04 #	1/2	3/4 - 16	7/16 - 20	1.00	6,000
2407-08-06	1/2	3/4 - 16	9/16 - 18	1.00	6,000
2407-10-04 #	5/8	7/8 - 14	7/16 - 20	1.03	5,000
2407-10-06 #	5/8	7/8 - 14	9/16 - 18	1.03	5,000
2407-12-04 #	3/4	1 1/16 - 12	7/16 - 20	1.09	5,000
2407-12-06 #	3/4	1 1/16 - 12	9/16 - 18	1.09	5,000
2407-12-08 #	3/4	1 1/16 - 12	3/4 - 16	1.19	5,000
2407-16-04 #	1"	1 5/16 - 12	7/16 - 20	1.15	4,000
2407-16-06 #	1"	1 5/16 - 12	9/16 - 18	1.16	4,000
2407-16-08 #	1"	1 5/16 - 12	3/4 - 16	1.25	4,000
2407-16-10 #	1"	1 5/16 - 12	7/8 - 14	1.37	4,000
2407-16-12	1"	1 5/16 - 12	1 1/16 - 12	1.47	4,000
2407-20-08 #	1 1/4	1 5/8 - 12	3/4 - 16	1.34	4,000
2407-20-12 #	1 1/4	1 5/8 - 12	1 1/16 - 12	1.52	4,000
2407-20-16 #	1 1/4	1 5/8 - 12	1 5/16 - 12	1.54	4,000
2407-24-08 #	1 1/2	1 7/8 - 12	3/4 - 16	1.41	3,000
2407-24-10 #	1 1/2	1 7/8 - 12	7/8 - 14	1.51	3,000

• Available in **316 Stainless Steel**

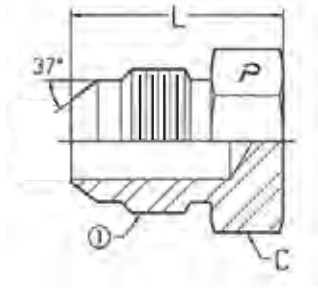
4:1 Safety Factor

Inserts into a JIC Tube Nut (318).

Minimum Order Quantity May Apply.

2408

37° JIC Flare Fittings Male JIC Plug



Reference
 Aeroquip 900599
 Parker Hose O3CP
 Parker Tube PNTX
 Weatherhead C5229
 SAE 070109

Part No.	Tube O.D.	1 Male JIC	C Hex	L Length	Operating Pressure
2408-02 #	1/8	5/16 - 24	7/16	0.70	7,500
2408-03 #	3/16	3/8 - 24	7/16	0.73	7,500
2408-04	1/4	7/16 - 20	1/2	0.80	7,500
2408-05	5/16	1/2 - 20	9/16	0.80	6,000
2408-06	3/8	9/16 - 18	5/8	0.84	6,000
2408-08	1/2	3/4 - 16	13/16	0.94	6,000
2408-10	5/8	7/8 - 14	15/16	1.10	5,000
2408-12	3/4	1 1/16 - 12	1 1/8	1.28	5,000
2408-14	7/8	1 3/16 - 12	1 1/4	1.31	5,000
2408-16	1"	1 5/16 - 12	1 3/8	1.33	4,500
2408-20	1 1/4	1 5/8 - 12	1 11/16	1.45	4,000
2408-24	1 1/2	1 7/8 - 12	2"	1.65	4,000
2408-32	2"	2 1/2 - 12	2 5/8	2.05	2,000

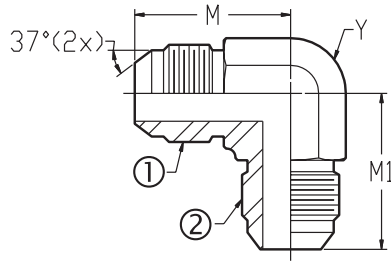
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

2500

37° JIC Flare Fittings Union Elbow



Reference
Aeroquip 2039
Parker Hose 2303
Parker Tube ETX
Weatherhead C5505
SAE 070201

Part No.	Tube O.D.	1 Male JIC	2 Male JIC	M Length	M1 Length	Y Flats	Operating Pressure
2500-03-03-4 #	3/16	3/8 - 24	3/8 - 24	0.83	0.83	7/16	7,500
2500-04-04-4	1/4	7/16 - 20	7/16 - 20	0.89	0.89	7/16	7,500
2500-05-05-4 #	5/16	1/2 - 20	1/2 - 20	0.95	0.95	9/16	6,000
2500-06-04-4 #	3/8	9/16 - 18	7/16 - 20	1.06	1.05	9/16	6,000
2500-06-06-4	3/8	9/16 - 18	9/16 - 18	1.06	1.06	9/16	6,000
2500-08-06-4	1/2	3/4 - 16	9/16 - 18	1.25	1.14	3/4	6,000
2500-08-08-4	1/2	3/4 - 16	3/4 - 16	1.25	1.25	3/4	6,000
2500-10-08-4 #	5/8	7/8 - 14	3/4 - 16	1.45	1.33	7/8	5,000
2500-10-10-4	5/8	7/8 - 14	7/8 - 14	1.45	1.45	7/8	5,000
2500-12-08-4	3/4	1 1/16 - 12	3/4 - 16	1.66	1.42	1 1/16	5,000
2500-12-10-4	3/4	1 1/16 - 12	7/8 - 14	1.66	1.54	1 1/16	5,000
2500-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1.66	1.66	1 1/16	5,000
2500-14-14-4 #	7/8	1 3/16 - 12	1 3/16 - 12	1.80	1.80	1 5/16	5,000
2500-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1.81	1.81	1 5/16	4,000
2500-20-20-4	1 1/4	1 5/8 - 12	1 5/8 - 12	2.06	2.06	1 5/8	4,000
2500-24-24-4	1 1/2	1 7/8 - 12	1 7/8 - 12	2.33	2.33	1 7/8	3,000
2500-32-32-4 #	2"	2 1/2 - 12	2 1/2 - 12	3.06	3.06	2 1/2	2,000

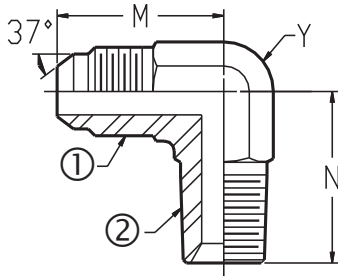
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

2501

37° JIC Flare Fittings Male Elbow



Reference
Aeroquip 2024
Parker Hose 2103
Parker Tube CTX
Weatherhead C5405
SAE 070202

Part No.	Tube O.D.	1 Male JIC	2 Male NPTF	M Length	N Length	Y Flats	Operating Pressure
2501-02-02-4	1/8	5/16 - 24	1/8 - 27	0.77	0.72	7/16	6,000
2501-03-02-4	3/16	3/8 - 24	1/8 - 27	0.83	0.72	7/16	6,000
2501-04-02-4	1/4	7/16 - 20	1/8 - 27	0.89	0.78	7/16	6,000
2501-04-04-4	1/4	7/16 - 20	1/4 - 18	1.05	1.09	9/16	6,000
2501-04-06-4	1/4	7/16 - 20	3/8 - 18	1.12	1.22	3/4	6,000
2501-04-08-4	1/4	7/16 - 20	1/2 - 14	1.21	1.47	7/8	6,000
2501-05-02-4	5/16	1/2 - 20	1/8 - 27	0.95	0.78	9/16	6,000
2501-05-04-4	5/16	1/2 - 20	1/4 - 18	1.05	1.09	9/16	6,000
2501-05-06-4 #	5/16	1/2 - 20	3/8 - 18	1.12	1.22	3/4	6,000
2501-06-02-4	3/8	9/16 - 18	1/8 - 27	1.06	0.90	9/16	6,000
2501-06-04-4	3/8	9/16 - 18	1/4 - 18	1.06	1.09	9/16	6,000
2501-06-06-4	3/8	9/16 - 18	3/8 - 18	1.14	1.22	3/4	6,000
2501-06-08-4	3/8	9/16 - 18	1/2 - 14	1.22	1.47	7/8	6,000
2501-06-12-4	3/8	9/16 - 18	3/4 - 14	1.31	1.59	1 1/16	4,000
2501-08-04-4	1/2	3/4 - 16	1/4 - 18	1.25	1.22	3/4	6,000
2501-08-06-4	1/2	3/4 - 16	3/8 - 18	1.25	1.22	3/4	6,000
2501-08-08-4	1/2	3/4 - 16	1/2 - 14	1.33	1.47	7/8	6,000
2501-08-12-4	1/2	3/4 - 16	3/4 - 14	1.42	1.59	1 1/16	4,000
2501-08-16-4	1/2	3/4 - 16	1 - 11 1/2	1.52	1.97	1 5/16	3,000
2501-10-06-4	5/8	7/8 - 14	3/8 - 18	1.45	1.28	7/8	5,000
2501-10-08-4	5/8	7/8 - 14	1/2 - 14	1.45	1.47	7/8	5,000
2501-10-12-4	5/8	7/8 - 14	3/4 - 14	1.54	1.59	1 1/16	4,000
2501-10-16-4	5/8	7/8 - 14	1 - 11 1/2	1.64	1.97	1 5/16	3,000
2501-12-06-4	3/4	1 1/16 - 12	3/8 - 18	1.66	1.40	1 1/16	4,000
2501-12-08-4	3/4	1 1/16 - 12	1/2 - 14	1.66	1.59	1 1/16	4,000
2501-12-12-4	3/4	1 1/16 - 12	3/4 - 14	1.66	1.59	1 1/16	4,000
2501-12-16-4	3/4	1 1/16 - 12	1 - 11 1/2	1.76	1.97	1 5/16	3,000
2501-12-20-4	3/4	1 1/16 - 12	1 1/4 - 11 1/2	1.97	2.38	1 5/8	2,500
2501-14-12-4 #	7/8	1 3/16 - 12	3/4 - 14	1.80	1.69	1 5/16	4,000
2501-16-08-4	1"	1 5/16 - 12	1/2 - 14	1.81	1.78	1 5/16	4,000
2501-16-12-4	1"	1 5/16 - 12	3/4 - 14	1.81	1.78	1 5/16	4,000
2501-16-16-4	1"	1 5/16 - 12	1 - 11 1/2	1.81	1.97	1 5/16	3,000
2501-16-20-4	1"	1 5/16 - 12	1 1/4 - 11 1/2	2.01	2.38	1 5/8	2,500
2501-16-24-4	1"	1 5/16 - 12	1 1/2 - 11 1/2	2.16	2.64	1 7/8	2,500

• Available in 316 Stainless Steel

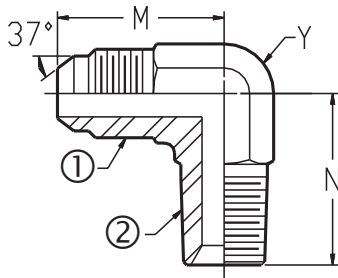
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4:1 Safety Factor

Minimum Order Quantity May Apply.

2501

37° JIC Flare Fittings Male Elbow



Reference
 Aeroquip 2024
 Parker Hose 2103
 Parker Tube CTX
 Weatherhead C5405
 SAE 071502

Continued from previous page.

Part No.	Tube O.D.	1 Male JIC	2 Male NPTF	M Length	N Length	Y Flats	Operating Pressure
2501-20-12-4 #	1 1/4	1 5/8 - 12	3/4 - 14	2.06	2.16	1 5/8	3,000
2501-20-16-4	1 1/4	1 5/8 - 12	1 - 11 1/2	2.06	2.35	1 5/8	3,000
2501-20-20-4	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	2.06	2.38	1 5/8	2,500
2501-20-24-4	1 1/4	1 5/8 - 12	1 1/2 - 11 1/2	2.20	2.64	1 7/8	2,500
2501-24-16-4	1 1/2	1 7/8 - 12	1 - 11 1/2	2.33	2.58	1 7/8	2,500
2501-24-20-4	1 1/2	1 7/8 - 12	1 1/4 - 11 1/2	2.33	2.61	1 7/8	2,500
2501-24-24-4	1 1/2	1 7/8 - 12	1 1/2 - 11 1/2	2.33	2.64	1 7/8	2,500
2501-32-24-4 #	2"	2 1/2 - 12	1 1/2 - 11 1/2	3.06	2.97	2 1/2	2,000
2501-32-32-4	2"	2 1/2 - 12	2 - 11 1/2	3.06	3.00	2 1/2	2,000

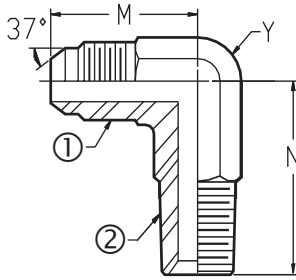
• Available in **316 Stainless Steel**

4:1 Safety Factor

*# Minimum Order Quantity May Apply.

2501L

37° JIC Flare Fittings Male Elbow Long



Reference
Aeroquip 202411
Parker Hose 5603
Parker Tube CCTX
Weatherhead C5425
SAE 071502

Part No.	Tube O.D.	1 Male JIC	2 Male NPTF	M Length	N Length	Y Flats	Operating Pressure
2501L-04-02-4	1/4	7/16 - 20	1/8 - 27	0.89	1.17	7/16	6,000
2501L-04-04-4	1/4	7/16 - 20	1/4 - 18	1.05	1.58	9/16	6,000
2501L-05-02-4 #	5/16	1/2 - 20	1/8 - 27	0.95	1.17	9/16	6,000
2501L-05-04-4 #	5/16	1/2 - 20	1/4 - 18	1.05	1.58	9/16	6,000
2501L-06-04-4	3/8	9/16 - 18	1/4 - 18	1.06	1.58	9/16	6,000
2501L-06-06-4	3/8	9/16 - 18	3/8 - 18	1.14	1.82	3/4	6,000
2501L-06-08-4 #	3/8	9/16 - 18	1/2 - 14	1.22	2.17	7/8	6,000
2501L-08-06-4	1/2	3/4 - 16	3/8 - 18	1.25	1.82	3/4	6,000
2501L-08-08-4	1/2	3/4 - 16	1/2 - 14	1.33	2.17	7/8	6,000
2501L-08-12-4	1/2	3/4 - 16	3/4 - 14	1.42	2.44	1 1/16	4,000
2501L-10-08-4	5/8	7/8 - 14	1/2 - 14	1.45	2.17	7/8	5,000
2501L-12-12-4	3/4	1 1/16 - 12	3/4 - 14	1.66	2.41	1 1/16	4,000
2501L-14-12-4 #	7/8	1 3/16 - 12	3/4 - 14	1.80	2.66	1 3/16	4,000
2501L-16-16-4 #	1"	1 5/16 - 12	1 - 11 1/2	1.81	3.01	1 5/16	3,000
2501L-20-20-4 #	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	2.06	3.01	1 5/8	2,500

Minimum Order Quantity May Apply.

4:1 Safety Factor

2501LL / 2501LLL

Male Elbow Extra Long

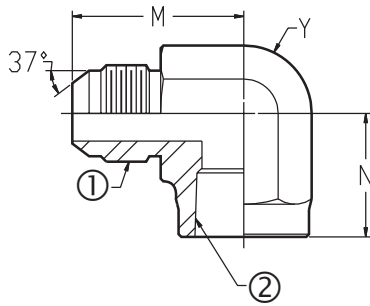
Part No.	Tube O.D.	1 Male JIC	2 Male NPTF	M Length	N Length	Y Flats	Operating Pressure
2501LL-04-02-4	1/4	7/16 - 20	1/8 - 27	0.89	1.56	7/16	6,000
2501LL-04-04-4	1/4	7/16 - 20	1/4 - 18	1.05	2.07	9/16	6,000
2501LL-05-02-4 #	5/16	1/2 - 20	1/8 - 27	0.95	1.63	9/16	6,000
2501LL-05-04-4 #	5/16	1/2 - 20	1/4 - 18	1.05	2.14	9/16	6,000
2501LL-06-04-4	3/8	9/16 - 18	1/4 - 18	1.06	2.07	9/16	6,000
2501LL-06-06-4	3/8	9/16 - 18	3/8 - 18	1.14	2.42	3/4	6,000
2501LL-06-08-4 #	3/8	9/16 - 18	1/2 - 14	1.22	2.84	7/8	6,000
2501LL-08-06-4	1/2	3/4 - 16	3/8 - 18	1.25	2.42	3/4	6,000
2501LL-08-08-4	1/2	3/4 - 16	1/2 - 14	1.33	2.87	7/8	6,000
2501LL-10-08-4 #	5/8	7/8 - 14	1/2 - 14	1.45	2.87	7/8	5,000
2501LL-12-08-4 #	3/4	1 1/16 - 12	1/2 - 14	1.66	3.28	1 1/16	4,000
2501LL-12-12-4	3/4	1 1/16 - 12	3/4 - 14	1.66	3.28	1 1/16	4,000
2501LL-16-16-4 #	1"	1 5/16 - 12	1 - 11 1/2	1.81	4.05	1 5/16	3,000
2501LL-20-20-4 #	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	2.06	4.94	1 5/8	2,500
2501LLL-04-02-4 #	1/4	7/16 - 20	1/8 - 27	0.89	2.31	7/16	6,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

2502

37° JIC Flare Fittings Female Elbow



Reference
Aeroquip 2025
Parker Hose 2203
Parker Tube DTX
Weatherhead C5455
SAE 070203

Part No.	Tube O.D.	1 Male JIC	2 Female NPTF	M Length	N Length	Y Flats	Operating Pressure
2502-02-02-4 #	1/8	5/16 - 24	1/8 - 27	1.00	0.66	9/16	6,000
2502-03-02-4 #	3/16	3/8 - 24	1/8 - 27	1.03	0.66	9/16	6,000
2502-04-02-4	1/4	7/16 - 20	1/8 - 27	1.08	0.66	9/16	6,000
2502-04-04-4	1/4	7/16 - 20	1/4 - 18	1.22	0.88	3/4	6,000
2502-04-06-4	1/4	7/16 - 20	3/8 - 18	1.29	1.02	7/8	4,500
2502-05-02-4 #	5/16	1/2 - 20	1/8 - 27	1.08	0.66	9/16	5,000
2502-05-04-4 #	5/16	1/2 - 20	1/4 - 18	1.10	0.88	3/4	5,000
2502-06-02-4 #	3/8	9/16 - 18	1/8 - 27	1.23	0.67	3/4	5,000
2502-06-04-4	3/8	9/16 - 18	1/4 - 18	1.23	0.88	3/4	5,000
2502-06-06-4	3/8	9/16 - 18	3/8 - 18	1.31	1.02	7/8	5,000
2502-06-08-4 #	3/8	9/16 - 18	1/2 - 14	1.41	1.23	1 1/16	3,500
2502-08-04-4 #	1/2	3/4 - 16	1/4 - 18	1.42	1.01	3/4	4,500
2502-08-06-4	1/2	3/4 - 16	3/8 - 18	1.42	1.02	7/8	4,500
2502-08-08-4	1/2	3/4 - 16	1/2 - 14	1.52	1.23	1 1/16	3,000
2502-10-08-4 #	5/8	7/8 - 14	1/2 - 14	1.64	1.23	1 1/16	3,000
2502-12-08-4 #	3/4	1 1/16 - 12	1/2 - 14	1.89	1.35	1 1/16	3,000
2502-12-12-4	3/4	1 1/16 - 12	3/4 - 14	1.89	1.36	1 5/16	3,000
2502-16-16-4	1"	1 5/16 - 12	1 - 11 1/2	2.17	1.62	1 5/8	2,200
2502-20-20-4 #	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	2.33	1.70	1 7/8	1,800
2502-24-24-4 #	1 1/2	1 7/8 - 12	1 1/2 - 11 1/2	2.89	2.08	2 1/2	1,500
2502-32-32-4	2"	2 1/2 - 12	2 - 11 1/2	3.30	2.39	2 13/16	1,200

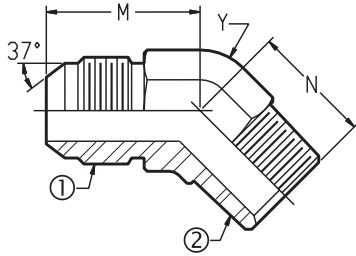
• Available in 316 Stainless Steel

4:1 Safety Factor

*# Minimum Order Quantity May Apply.

2503

37° JIC Flare Fittings Male Elbow



Reference
Aeroquip 2023
Parker Hose 3103
Parker Tube VTX
Weatherhead C5355
SAE 070302

Part No.	Tube O.D.	1 Male JIC	2 Male NPTF	M Length	N Length	Y Flats	Operating Pressure
2503-02-02-4 #	1/8	5/16 - 24	1/8 - 27	0.69	0.52	7/16	6,000
2503-03-02-4	3/16	3/8 - 24	1/8 - 27	0.69	0.52	7/16	6,000
2503-04-02-4	1/4	7/16 - 20	1/8 - 27	0.72	0.64	7/16	6,000
2503-04-04-4	1/4	7/16 - 20	1/4 - 18	0.82	0.86	9/16	6,000
2503-04-06-4	1/4	7/16 - 20	3/8 - 18	0.85	0.95	3/4	6,000
2503-04-08-4 #	1/4	7/16 - 20	1/2 - 14	0.87	1.17	7/8	6,000
2503-05-02-4	5/16	1/2 - 20	1/8 - 27	0.77	0.64	9/16	6,000
2503-05-04-4	5/16	1/2 - 20	1/4 - 18	0.82	0.86	9/16	6,000
2503-06-02-4	3/8	9/16 - 18	1/8 - 27	0.83	0.67	9/16	6,000
2503-06-04-4	3/8	9/16 - 18	1/4 - 18	0.83	0.86	9/16	6,000
2503-06-06-4	3/8	9/16 - 18	3/8 - 18	0.87	0.95	3/4	6,000
2503-06-08-4	3/8	9/16 - 18	1/2 - 14	0.88	1.17	7/8	6,000
2503-08-04-4	1/2	3/4 - 16	1/4 - 18	0.98	0.95	3/4	6,000
2503-08-06-4	1/2	3/4 - 16	3/8 - 18	0.98	0.95	3/4	6,000
2503-08-08-4	1/2	3/4 - 16	1/2 - 14	0.99	1.17	7/8	6,000
2503-08-12-4	1/2	3/4 - 16	3/4 - 14	1.04	1.20	1 1/16	4,000
2503-10-04-4 #	5/8	7/8 - 14	1/4 - 18	1.11	0.94	7/8	5,000
2503-10-06-4	5/8	7/8 - 14	3/8 - 18	1.11	0.98	7/8	5,000
2503-10-08-4	5/8	7/8 - 14	1/2 - 14	1.11	1.17	7/8	5,000
2503-10-12-4	5/8	7/8 - 14	3/4 - 14	1.16	1.20	1 1/16	4,000
2503-12-08-4	3/4	1 1/16 - 12	1/2 - 14	1.28	1.20	1 1/16	4,000
2503-12-12-4	3/4	1 1/16 - 12	3/4 - 14	1.28	1.20	1 1/16	4,000
2503-12-16-4	3/4	1 1/16 - 12	1 - 11 1/2	1.42	1.48	1 5/16	3,000
2503-14-12-4 #	7/8	1 3/16 - 12	3/4 - 14	1.39	1.27	1 5/16	4,000
2503-16-08-4 #	1"	1 5/16 - 12	1/2 - 14	1.47	1.29	1 5/16	4,000
2503-16-12-4	1"	1 5/16 - 12	3/4 - 14	1.47	1.26	1 5/16	4,000
2503-16-16-4	1"	1 5/16 - 12	1 - 11 1/2	1.47	1.48	1 5/16	3,000
2503-16-20-4	1"	1 5/16 - 12	1 1/4 - 11 1/2	1.54	1.67	1 5/8	2,500
2503-20-16-4	1 1/4	1 5/8 - 12	1 - 11 1/2	1.59	1.62	1 5/8	3,000
2503-20-20-4	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	1.59	1.67	1 5/8	2,500
2503-24-20-4 #	1 1/2	1 7/8 - 12	1 1/4 - 11 1/2	1.78	1.74	1 7/8	2,500
2503-24-24-4	1 1/2	1 7/8 - 12	1 1/2 - 11 1/2	1.78	1.77	1 7/8	2,500
2503-32-32-4	2"	2 1/2 - 12	2 - 11 1/2	2.22	2.11	2 1/2	2,000

• Available in 316 Stainless Steel

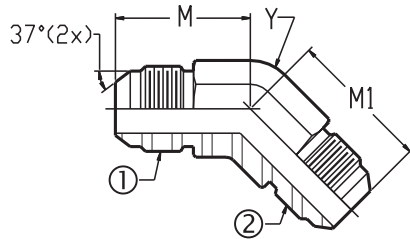
4:1 Safety Factor

Minimum Order Quantity May Apply.

2504

37° JIC Flare Fittings Union Elbow

Reference
SAE J514



Part No.	Tube O.D.	1 Male JIC	2 Female NPTF	M Length	M1 Length	Y Flats	Operating Pressure
2504-03-03-4 #	3/16	3/8 - 24	3/8 - 24	0.68	0.68	7/16	7,500
2504-04-04-4	1/4	7/16 - 20	7/16 - 20	0.72	0.72	7/16	7,500
2504-06-04-4 #	3/8	9/16 - 18	7/16 - 20	0.81	0.81	9/16	6,000
2504-06-06-4 #	3/8	9/16 - 18	9/16 - 18	0.87	0.87	9/16	6,000
2504-08-08-4	1/2	3/4 - 16	3/4 - 16	0.98	0.98	3/4	6,000
2504-10-10-4	5/8	7/8 - 14	7/8 - 14	1.11	1.11	7/8	5,000
2504-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1.28	1.28	1 1/16	5,000
2504-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1.47	1.47	1 5/16	4,000

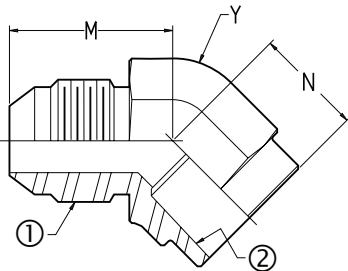
Minimum Order Quantity May Apply.

4:1 Safety Factor

2505

Female Elbow

Reference
SAE J514



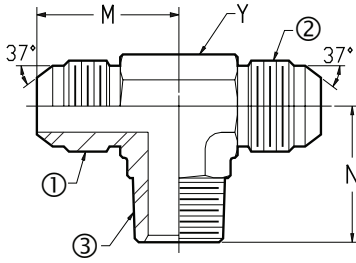
Part No.	Tube O.D.	1 Male JIC	2 Female NPTF	M Length	N Length	Y Flats	Operating Pressure
2505-06-04-4 #	3/8	9/16 - 18	1/4 - 18	0.87	0.69	3/4	5,000
2505-06-06-4 #	3/8	9/16 - 18	3/8 - 18	1.00	0.90	7/8	4,500
2505-08-06-4 #	1/2	3/4 - 16	3/8 - 18	1.00	0.67	7/8	4,500
2505-08-08-4 #	1/2	3/4 - 16	1/2 - 14	1.18	0.94	1 1/16	3,000
2505-12-12-4 #	3/4	1 1/16 - 12	3/4 - 14	1.42	1.00	1 5/16	3,000
2505-16-16-4 #	1"	1 5/16 - 12	1 - 11 1/2	1.59	1.44	1 5/8	1,800

Minimum Order Quantity May Apply.

4:1 Safety Factor

2601

37° JIC Flare Fittings Male Branch Tee



Reference
Aeroquip 2030
Parker Hose 213T
Parker Tube STX
Weatherhead C5605
SAE 070425

Part No.	Tube O.D.	1-2 Male JIC	3 Male NPTF	M Length	M1 Length	Y Flats	Operating Pressure
2601-03-03-02-4 #	3/16	3/8 - 24	1/8 - 27	0.83	0.72	7/16	6,000
2601-04-04-02-4	1/4	7/16 - 20	1/8 - 27	0.89	0.78	7/16	6,000
2601-04-04-04-4	1/4	7/16 - 20	1/4 - 18	1.05	1.09	9/16	6,000
2601-04-04-06-4 #	1/4	7/16 - 20	3/8 - 18	1.12	1.22	3/4	6,000
2601-05-05-02-4 #	5/16	1/2 - 20	1/8 - 27	0.95	0.78	9/16	6,000
2601-05-05-04-4 #	5/16	1/2 - 20	1/4 - 18	1.05	1.09	9/16	6,000
2601-06-06-04-4	3/8	9/16 - 18	1/4 - 18	1.06	1.09	9/16	6,000
2601-06-06-06-4	3/8	9/16 - 18	3/8 - 18	1.14	1.22	3/4	6,000
2601-06-06-08-4	3/8	9/16 - 18	1/2 - 14	1.22	1.47	7/8	6,000
2601-08-08-06-4	1/2	3/4 - 16	3/8 - 18	1.25	1.22	3/4	6,000
2601-08-08-08-4	1/2	3/4 - 16	1/2 - 14	1.33	1.47	7/8	6,000
2601-10-10-08-4	5/8	7/8 - 14	1/2 - 14	1.45	1.47	7/8	5,000
2601-12-12-08-4 #	3/4	1 1/16 - 12	1/2 - 14	1.66	1.59	1 1/16	5,000
2601-12-12-12-4	3/4	1 1/16 - 12	3/4 - 14	1.66	1.59	1 1/16	4,000
2601-14-14-12-4 #	7/8	1 3/16 - 12	3/4 - 14	1.81	1.72	1 5/16	4,000
2601-16-16-16-4	1"	1 5/16 - 12	1 - 11 1/2	1.81	1.97	1 5/16	3,000
2601-20-20-20-4	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	2.06	2.38	1 5/8	2,500
2601-32-32-32-4 #	2"	2 1/2 - 12	2 - 11 1/2	3.06	3.00	2 1/2	2,000

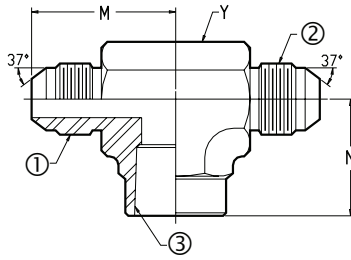
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

2602

37° JIC Flare Fittings Female Branch Tee



Reference
Aeroquip 2031
Parker Hose 223T
Parker Tube OTX
Weatherhead C5655
SAE 070427

Part No.	Tube O.D.	1-2 Male JIC	3 Female NPTF	M Length	N Length	Y Flats	Operating Pressure
2602-02-02-02-4 #	1/8	5/16 - 24	1/8 - 27	1.00	0.66	9/16	6,000
2602-04-04-02-4 #	1/4	7/16 - 20	1/8 - 27	1.08	0.66	9/16	6,000
2602-04-04-04-4	1/4	7/16 - 20	1/4 - 18	1.13	0.88	3/4	6,000
2602-06-06-04-4	3/8	9/16 - 18	1/4 - 18	1.23	0.88	3/4	4,500
2602-06-06-06-4	3/8	9/16 - 18	3/8 - 18	1.31	1.02	7/8	4,500
2602-08-08-06-4	1/2	3/4 - 16	3/8 - 18	1.42	1.02	7/8	4,500
2602-08-08-08-4	1/2	3/4 - 16	1/2 - 14	1.52	1.23	1 1/16	3,000
2602-10-10-08-4	5/8	7/8 - 14	1/2 - 14	1.64	1.23	1 1/16	3,000
2602-12-12-12-4	3/4	1 1/16 - 12	3/4 - 14	1.89	1.36	1 5/16	3,000
2602-16-16-16-4 #	1"	1 5/16 - 12	1 - 11 1/2	2.17	1.62	1 5/8	2,200
2602-20-20-20-4 #	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	2.33	1.70	1 7/8	1,800
2602-24-24-24-4 #	1 1/2	1 7/8 - 12	1 1/2 - 11 1/2	2.89	2.08	2 9/16	1,500

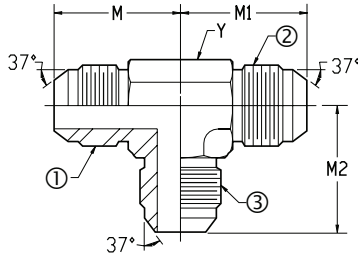
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

2603

37° JIC Flare Fittings Union Tee



Reference
Aeroquip 2033
Parker Hose 033T
Parker Tube JTX
Weatherhead C5705
SAE 070401

Part No.	Tube O.D.	1 Male JIC	2 Male JIC	3 Male JIC	M Length	M1 Length	M2 Length	Y Flats	Operating Pressure
2603-02-02-02-4 #	1/8	5/16 - 24	5/16 - 24	5/16 - 24	0.77	0.77	0.77	7/16	7,500
2603-03-03-03-4 #	3/16	3/8 - 24	3/8 - 24	3/8 - 24	0.83	0.83	0.83	7/16	7,500
2603-04-04-04-4	1/4	7/16 - 20	7/16 - 20	7/16 - 20	0.89	0.89	0.89	7/16	7,500
2603-05-05-05-4 #	5/16	1/2 - 20	1/2 - 20	1/2 - 20	0.95	0.95	0.95	9/16	6,000
2603-06-06-06-4	3/8	9/16 - 18	9/16 - 18	9/16 - 18	1.06	1.06	1.06	9/16	6,000
2603-06-06-08-4 #	3/8 x 1/2	9/16 - 18	9/16 - 18	3/4 - 16	1.14	1.14	1.25	3/4	6,000
2603-06-08-08-4 #	3/8 x 1/2	9/16 - 18	3/4 - 16	3/4 - 16	1.21	1.23	1.23	3/4	6,000
2603-08-08-08-4	1/2	3/4 - 16	3/4 - 16	3/4 - 16	1.25	1.25	1.25	3/4	6,000
2603-08-08-10-4 #	1/2 x 5/8	3/4 - 16	3/4 - 16	7/8 - 14	1.35	1.35	1.45	7/8	5,000
2603-08-08-12-4 #	1/2 x 3/4	3/4 - 16	3/4 - 16	1 1/16 - 12	1.42	1.42	1.66	1 1/16	5,000
2603-10-10-08-4 #	5/8 x 1/2	7/8 - 14	7/8 - 14	3/4 - 16	1.45	1.45	1.35	7/8	5,000
2603-10-10-10-4	5/8	7/8 - 14	7/8 - 14	7/8 - 14	1.45	1.45	1.45	7/8	5,000
2603-12-12-08-4	3/4 x 1/2	1 1/16 - 12	1 1/16 - 12	3/4 - 16	1.66	1.66	1.42	1 1/16	5,000
2603-12-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1 1/16 - 12	1.66	1.66	1.66	1 1/16	5,000
2603-14-14-14-4 #	7/8	1 3/16 - 12	1 3/16 - 12	1 3/16 - 12	1.80	1.80	1.80	1 5/16	5,000
2603-16-16-12-4	1" x 3/4	1 5/16 - 12	1 5/16 - 12	1 1/16 - 12	1.81	1.76	1.76	1 5/16	4,000
2603-16-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1 5/16 - 12	1.81	1.81	1.81	1 5/16	4,000
2603-20-20-20-4	1 1/4	1 5/8 - 12	1 5/8 - 12	1 5/8 - 12	2.06	2.06	2.06	1 5/8	4,000
2603-24-24-24-4	1 1/2	1 7/8 - 12	1 7/8 - 12	1 7/8 - 12	2.33	2.33	2.33	1 7/8	3,000

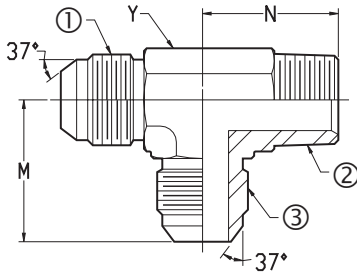
• Available in 316 Stainless Steel

4:1 Safety Factor

Minimum Order Quantity May Apply.

2605

37° JIC Flare Fittings Male Run Tee



Reference
Aeroquip 2028
Parker Hose 013T
Parker Tube RTX
Weatherhead C5755
SAE 070424

Part No.	Tube O.D.	1-3 Male JIC	2 Male NPTF	M Length	N Length	Y Flats	Operating Pressure
2605-03-02-03-4 #	3/16	3/8 - 24	1/8 - 27	0.83	0.72	7/16	6,000
2605-04-02-04-4 #	1/4	7/16 - 20	1/8 - 27	0.89	0.78	7/16	6,000
2605-04-04-04-4	1/4	7/16 - 20	1/4 - 18	1.05	1.09	9/16	6,000
2605-05-02-05-4 #	5/16	1/2 - 20	1/8 - 27	0.97	0.81	9/16	6,000
2605-06-04-06-4	3/8	9/16 - 18	1/4 - 18	1.06	1.09	9/16	6,000
2605-06-06-06-4	3/8	9/16 - 18	3/8 - 18	1.14	1.22	3/4	6,000
2605-06-08-06-4	3/8	9/16 - 18	1/2 - 14	1.22	1.47	7/8	6,000
2605-08-06-08-4	1/2	3/4 - 16	3/8 - 18	1.25	1.22	3/4	6,000
2605-08-08-08-4	1/2	3/4 - 16	1/2 - 14	1.33	1.47	7/8	6,000
2605-10-08-10-4	5/8	7/8 - 14	1/2 - 14	1.45	1.47	7/8	5,000
2605-12-12-12-4	3/4	1 1/16 - 12	3/4 - 14	1.66	1.59	1 1/16	4,000
2605-14-12-14-4 #	7/8	1 3/16 - 12	3/4 - 14	1.80	1.69	1 5/16	4,000
2605-16-16-16-4	1"	1 5/16 - 12	1 - 11 1/2	1.81	1.97	1 5/16	3,000
2605-20-20-20-4	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	2.06	2.38	1 5/8	2,500
2605-24-24-24-4 #	1 1/2	1 7/8 - 12	1 1/2 - 11 1/2	2.33	2.64	1 7/8	2,500
2605-32-32-32-4 #	2"	2 1/2 - 12	2 - 11 1/2	3.06	3.00	2 1/2	2,000

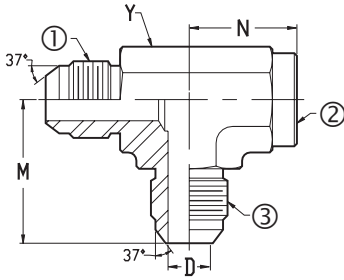
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

2606

37° JIC Flare Fittings Female Run Tee



Reference
Aeroquip 2029
Parker Hose 023T
Parker Tube MTX
Weatherhead C5805
SAE 070426

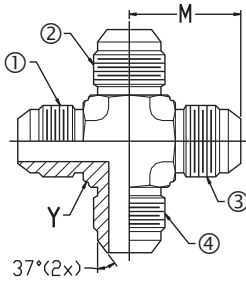
Part No.	Tube O.D.	1-3 Male JIC	2 Female NPTF	M Length	N Length	Y Flats	Operating Pressure
2606-04-02-04-4 #	1/4	7/16 - 20	1/8 - 27	1.08	0.66	9/16	5,000
2606-04-04-04-4 #	1/4	7/16 - 20	1/4 - 18	1.22	0.88	3/4	5,000
2606-06-04-06-4	3/8	9/16 - 18	1/4 - 18	1.23	0.88	3/4	5,000
2606-06-06-06-4	3/8	9/16 - 18	3/8 - 18	1.31	1.02	7/8	4,500
2606-08-04-08-4 #	1/2	3/4 - 16	1/4 - 18	1.42	1.02	7/8	4,500
2606-08-06-08-4	1/2	3/4 - 16	3/8 - 18	1.42	1.02	7/8	4,500
2606-08-08-08-4	1/2	3/4 - 16	1/2 - 14	1.52	1.23	1 1/16	3,000
2606-10-08-10-4 #	5/8	7/8 - 14	1/2 - 14	1.64	1.23	1 1/16	3,000
2606-12-12-12-4	3/4	1 1/16 - 12	3/4 - 14	1.89	1.36	1 5/16	3,000
2606-14-12-14-4 #	7/8	1 3/16 - 12	3/4 - 14	1.80	1.42	1 5/16	3,000
2606-16-16-16-4	1"	1 5/16 - 12	1 - 11 1/2	2.17	1.62	1 5/8	1,800
2606-20-20-20-4 #	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	2.33	1.70	1 7/8	2,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

2650

37° JIC Flare Fittings MJ Cross



Reference
 Aeroquip 2020
 Parker Hose 033X
 Parker Tube KTX
 Weatherhead C5955
 SAE 070501

Part No.	Tube O.D.	1-2-3-4 Male JIC	M Length	Y Flats	Operating Pressure
2650-04-04-04-04-4	1/4	7/16 - 20	0.89	7/16	7,500
2650-05-05-05-05-4 #	5/16	1/2 - 20	0.95	9/16	6,000
2650-06-06-06-06-4	3/8	9/16 - 18	1.06	9/16	6,000
2650-08-08-08-08-4	1/2	3/4 - 16	1.25	3/4	6,000
2650-10-10-10-10-4	5/8	7/8 - 14	1.45	7/8	5,000
2650-12-12-12-12-4 #	3/4	1 1/16 - 12	1.66	1 1/16	5,000
2650-16-16-16-16-4 #	1"	1 5/16 - 12	1.81	1 5/16	4,000
2650-20-20-20-20-4 #	1 1/4	1 5/8 - 12	2.06	1 5/8	4,000

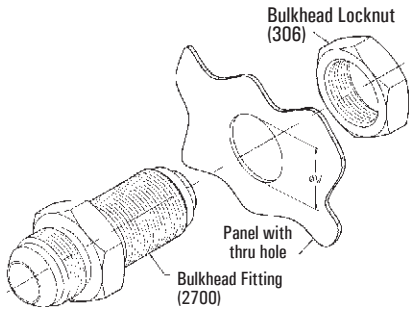
Minimum Order Quantity May Apply.

4:1 Safety Factor

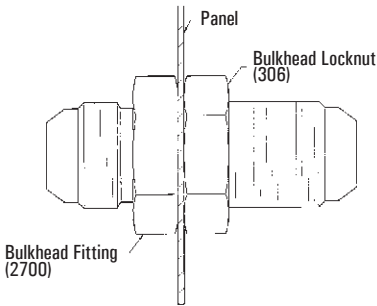
Bulkhead JIC



Components



Assembled



Bulkhead JIC fittings are designed to pass through a panel and secure with a locknut. Illustrated above is a series 2700 Bulkhead Union and series 306 Bulkhead Locknut. The panel hole should be drilled to the "W" diameter (Ø) specified for that size. Since the 37° JIC Bulkhead thread assembly procedures are the same as the standard 37° JIC thread, the assembly instructions on pages 51–52 should be followed. With the variety of bulkhead fittings that we offer you can have a hose, tube, or quick disconnect conveniently mounted for easy access.

Hydraulic tube fittings are dimensionally standardized by SAE under J514, but because of differing manufacturing methods and interpretation of conformance, actual performance will vary between brands. This is where our Quality Assurance Department sets us apart from many other manufacturers. Pressure Connections takes great pride in each fitting we sell. Standard material for our Bulkhead JIC is steel with a RoHS compliant 96-hour salt spray finish that exceeds the SAE 72-hour salt spray requirement. For details about our Quality Assurance Program please reference the inside front cover of this catalog.

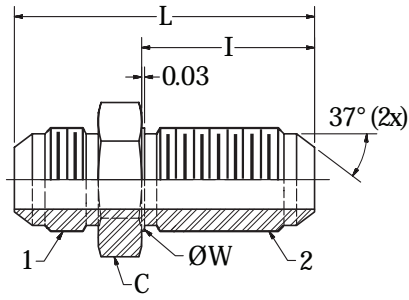
Bulkhead JIC

<ul style="list-style-type: none"> ● 306 (070118) <p>Pg. 25 Bulkhead Locknut (Use with #2700)</p>	<ul style="list-style-type: none"> ● 2700 (070601) <p>Pg. 76 Bulkhead Union 1-MJ 2-BH MJ</p>	<ul style="list-style-type: none"> ● 2701 (070701) <p>Pg. 77 Bulkhead Union Elbow 1-MJ 2-BH MJ</p>	<ul style="list-style-type: none"> ● 2702 (070801) <p>Pg. 78 Bulkhead Union Elbow 1-MJ 2-BH MJ</p>	<ul style="list-style-type: none"> ● 2703 (070959) <p>Pg. 79 Bulkhead Branch Tee 1-MJ 2-MJ 3-BH MJ</p>	<ul style="list-style-type: none"> ● 2704 (070958) <p>Pg. 79 Bulkhead Run Tee 1-MJ 2-BH MJ 3-MJ</p>	<ul style="list-style-type: none"> ● 2705 <p>Pg. 80 Female Bulkhead Connector 1-FP 2-BH MJ</p>	<ul style="list-style-type: none"> ● 2706 <p>Pg. 81 Male Bulkhead Connector 1-MP 2-BH MJ</p>
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● Available in **316 Stainless Steel**

2700

Bulkhead JIC Fittings Bulkhead Union



Reference
Aeroquip 2041
Parker Hose 0353
Parker Tube WTX
Weatherhead C5325
SAE 070601

Part No.	Tube O.D.	1 Male JIC	2 Bulkhead Male JIC	C Hex	I Assm.	L Length	Ø W Diameter	Operating Pressure
2700-02-02 #	1/8	5/16 - 24	5/16 - 24	9/16	1.11	1.87	0.31	7,500
2700-03-03	3/16	3/8 - 24	3/8 - 24	5/8	1.11	1.90	0.38	7,500
2700-04-04	1/4	7/16 - 20	7/16 - 20	11/16	1.20	2.07	0.44	7,500
2700-05-05 #	5/16	1/2 - 20	1/2 - 20	3/4	1.20	2.07	0.50	6,000
2700-06-06	3/8	9/16 - 18	9/16 - 18	13/16	1.28	2.18	0.56	6,000
2700-08-08	1/2	3/4 - 16	3/4 - 16	1"	1.44	2.44	0.75	6,000
2700-10-10	5/8	7/8 - 14	7/8 - 14	1 1/8	1.58	2.74	0.88	5,000
2700-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1 3/8	1.75	3.09	1.06	5,000
2700-14-14 #	7/8	1 3/16 - 12	1 3/16 - 12	1 1/2	1.75	3.12	1.19	5,000
2700-16-16	1"	1 5/16 - 12	1 5/16 - 12	1 5/8	1.75	3.14	1.31	4,000
2700-20-20	1 1/4	1 5/8 - 12	1 5/8 - 12	1 7/8	1.80	3.31	1.63	4,000
2700-24-24	1 1/2	1 7/8 - 12	1 7/8 - 12	2 1/8	1.81	3.52	1.88	3,000
2700-32-32 #	2"	2 1/2 - 12	2 1/2 - 12	2 3/4	2.09	4.20	2.38	2,000

For a Locknut (306) assembled on the body, just add suffix "LN" to the series number (example: 2700LN).

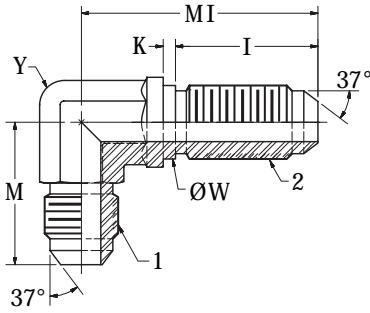
4:1 Safety Factor

• Available in **316 Stainless Steel**

Minimum Order Quantity May Apply.

2701

Bulkhead JIC Fittings Bulkhead Union Elbow



Reference
Aeroquip 2043
Parker Hose 2353
Parker Tube WETX
Weatherhead C5525
SAE 070701

Part No.	Tube O.D.	1 Male JIC	2 Bulkhead Male JIC	I Assm.	K Thickness	M Length	M1 Length	Ø W Diameter	Y Flats	Operating Pressure
2701-03-03-4	3/16	3/8 - 24	3/8 - 24	0.92	0.094	0.94	1.50	0.38	7/16	7,500
2701-04-04-4	1/4	7/16 - 20	7/16 - 20	1.02	0.094	0.97	1.59	0.44	7/16	7,500
2701-05-05-4	5/16	1/2 - 20	1/2 - 20	1.02	0.094	1.06	1.72	0.50	9/16	6,000
2701-06-06-4	3/8	9/16 - 18	9/16 - 18	1.09	0.094	1.09	1.81	0.56	9/16	6,000
2701-08-08-4	1/2	3/4 - 16	3/4 - 16	1.25	0.125	1.36	2.11	0.75	3/4	6,000
2701-10-10-4	5/8	7/8 - 14	7/8 - 14	1.39	0.125	1.56	2.39	0.88	7/8	5,000
2701-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1.56	0.125	1.78	2.67	1.06	1 1/16	4,000
2701-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1.56	0.125	1.94	2.80	1.31	1 5/16	4,000
2701-20-20-4 #	1 1/4	1 5/8 - 12	1 5/8 - 12	1.61	0.125	2.17	3.12	1.63	1 5/8	4,000

For a Locknut (306) assembled on the body, just add suffix "LN" to the series number (example: 2701LN).

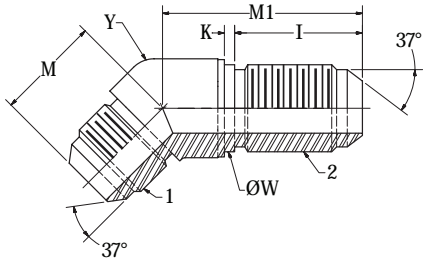
4:1 Safety Factor

- Available in **316 Stainless Steel**

Minimum Order Quantity May Apply.

2702

Bulkhead JIC Fittings Bulkhead Union Elbow



Reference
Aeroquip 2042
Parker Hose 3353
Parker Tube WNTX
Weatherhead TF5375
SAE 070801

Part No.	Tube O.D.	1 Male JIC	2 Bulkhead Male JIC	I Assm.	K Thickness	M Length	M1 Length	Ø W Diameter	Y Flats	Operating Pressure
2702-03-03-4 #	3/16	3/8 - 24	3/8 - 24	0.92	0.094	0.69	1.42	0.38	7/16	7,500
2702-04-04-4 #	1/4	7/16 - 20	7/16 - 20	1.02	0.094	0.77	1.53	0.44	7/16	7,500
2702-05-05-4 #	5/16	1/2 - 20	1/2 - 20	1.02	0.094	0.77	1.66	0.50	9/16	6,000
2702-06-06-4	3/8	9/16 - 18	9/16 - 18	1.09	0.094	0.83	1.67	0.56	9/16	6,000
2702-08-08-4	1/2	3/4 - 16	3/4 - 16	1.25	0.125	0.98	1.94	0.75	3/4	6,000
2702-10-10-4 #	5/8	7/8 - 14	7/8 - 14	1.39	0.125	1.11	2.17	0.88	7/8	6,000
2702-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1.56	0.125	1.28	2.44	1.06	1 1/16	5,000
2702-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1.56	0.125	1.47	2.56	1.31	1 5/16	4,000
2702-20-20-4 #	1 1/4	1 5/8 - 12	1 5/8 - 12	1.61	0.125	1.59	2.65	1.63	1 5/8	4,000

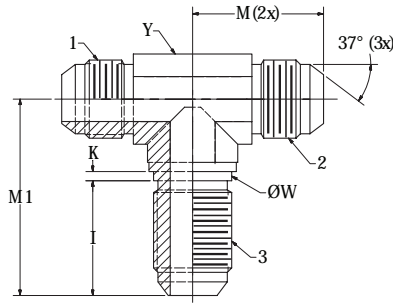
For a Locknut (306) assembled on the body, just add suffix "LN" to the series number (example: 2702LN).

4:1 Safety Factor

Minimum Order Quantity May Apply.

2703

Bulkhead JIC Fittings Bulkhead Branch Tee



Reference
Aeroquip 203002
Parker Hose 543T
Parker Tube WJTX
Weatherhead C5725
SAE 070959

Part No.	Tube O.D.	1-2 Male JIC	3 Bulkhead Male JIC	I Assm.	K Thickness	M Length	M1 Length	Ø W Diameter	Y Flats	Operating Pressure
2703-03-03-03-4	3/16	3/8 - 24	3/8 - 24	0.92	0.094	0.94	1.50	0.38	7/16	7,500
2703-04-04-04-4	1/4	7/16 - 20	7/16 - 20	1.02	0.094	0.97	1.59	0.44	7/16	7,500
2703-06-06-06-4	3/8	9/16 - 18	9/16 - 18	1.09	0.094	1.09	1.81	0.56	9/16	6,000
2703-08-08-08-4	1/2	3/4 - 16	3/4 - 16	1.25	0.125	1.36	2.11	0.75	3/4	6,000
2703-10-10-10-4	5/8	7/8 - 14	7/8 - 14	1.39	0.125	1.56	2.39	0.88	7/8	5,000
2703-12-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1.56	0.125	1.78	2.67	1.06	1 1/16	4,000
2703-16-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1.56	0.125	1.94	2.80	1.31	1 5/16	4,000

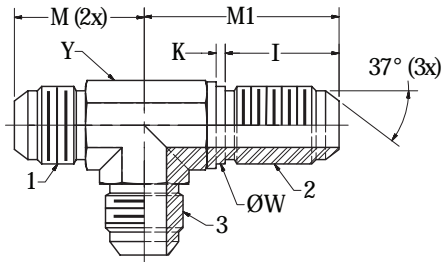
For a Locknut (306) assembled on the body, just add suffix "LN" to the series number (example: 2703LN).

4:1 Safety Factor

- Available in **316 Stainless Steel**

2704

Bulkhead Run Tee



Reference
Aeroquip FF1065
Parker Hose 533T
Parker Tube WJTX
Weatherhead C5726
SAE 070958

Part No.	Tube O.D.	1-3 Male JIC	2 Bulkhead Male JIC	I Assm.	K Thickness	M Length	M1 Length	Ø W Diameter	Y Flats	Operating Pressure
2704-03-03-03-4 #	3/16	3/8 - 24	3/8 - 24	0.92	0.094	0.94	1.50	0.38	7/16	7,500
2704-04-04-04-4	1/4	7/16 - 20	7/16 - 20	1.02	0.094	0.97	1.59	0.44	7/16	7,500
2704-06-06-06-4	3/8	9/16 - 18	9/16 - 18	1.09	0.094	1.09	1.81	0.56	9/16	6,000
2704-08-08-08-4	1/2	3/4 - 16	3/4 - 16	1.25	0.125	1.36	2.11	0.75	3/4	6,000
2704-10-10-10-4	5/8	7/8 - 14	7/8 - 14	1.39	0.125	1.56	2.39	0.88	7/8	5,000
2704-12-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1.56	0.125	1.78	2.67	1.06	1 1/16	5,000
2704-16-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1.56	0.125	1.94	2.80	1.31	1 5/16	4,000

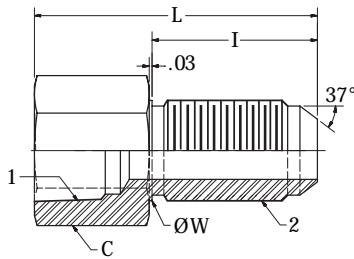
For a Locknut (306) assembled on the body, just add suffix "LN" to the series number (example: 2704LN).

4:1 Safety Factor

Minimum Order Quantity May Apply.

2705

Bulkhead JIC Fittings Female Bulkhead Connector



Reference
Aeroquip 2239
Parker Hose 0253
Parker Tube WGTX
Weatherhead C5275
SAE J514

Part No.	Tube O.D.	1 Female NPTF	2 Bulkhead Male JIC	C Hex	I Assm.	L Length	Ø W Diameter	Operating Pressure
2705-02-04	1/4	1/8 - 27	7/16 - 20	11/16	1.20	1.84	0.44	6,000
2705-04-04	1/4	1/4 - 18	7/16 - 20	3/4	1.20	2.09	0.44	6,000
2705-04-06	3/8	1/4 - 18	9/16 - 18	13/16	1.28	2.12	0.56	6,000
2705-06-06	3/8	3/8 - 18	9/16 - 18	1"	1.28	2.17	0.56	6,000
2705-06-08	1/2	3/8 - 18	3/4 - 16	1"	1.44	2.34	0.75	6,000
2705-08-08	1/2	1/2 - 14	3/4 - 16	1 1/8	1.44	2.59	0.75	5,000
2705-08-10 #	5/8	1/2 - 14	7/8 - 14	1 1/8	1.58	2.71	0.88	5,000
2705-12-12	3/4	3/4 - 14	1 1/16 - 12	1 3/8	1.75	2.99	1.06	4,000
2705-12-14 #	7/8	3/4 - 14	1 3/16 - 12	1 3/8	1.75	2.92	1.19	4,000
2705-16-16	1"	1 - 11 1/2	1 5/16 - 12	1 5/8	1.75	3.25	1.31	3,000
2705-20-20 #	1 1/4	1 1/4 - 11 1/2	1 5/8 - 12	2"	1.80	3.22	1.63	2,500
2705-24-24 #	1 1/2	1 1/2 - 11 1/2	1 7/8 - 12	2 3/8	1.81	3.33	1.88	2,000

For a Locknut (306) assembled on the body, just add suffix "LN" to the series number (example: 2705LN).

4:1 Safety Factor

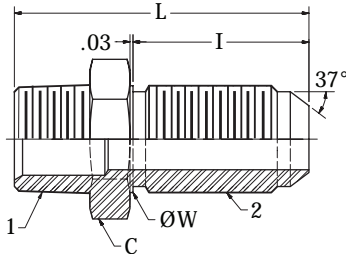
- Available in **316 Stainless Steel**

Minimum Order Quantity May Apply.

2706

Bulkhead JIC Fittings Male Bulkhead Connector

Reference
Parker Hose 0153
Parker Tube WFTX
SAE J514



Part No.	Tube O.D.	1 Male NPTF	2 Bulkhead Male JIC	C Hex	I Assm.	L Length	Ø W Diameter	Operating Pressure
2706-02-04 #	1/4	1/8 - 27	7/16 - 20	11/16	1.20	1.80	0.44	6,000
2706-04-04	1/4	1/4 - 18	7/16 - 20	11/16	1.20	2.03	0.44	6,000
2706-04-06	3/8	1/4 - 18	9/16 - 18	13/16	1.28	2.19	0.56	6,000
2706-06-06	3/8	3/8 - 18	9/16 - 18	13/16	1.28	2.22	0.56	6,000
2706-06-08	1/2	3/8 - 18	3/4 - 16	1"	1.44	2.42	0.75	6,000
2706-08-08	1/2	1/2 - 14	3/4 - 16	1"	1.44	2.60	0.75	6,000
2706-08-10	5/8	1/2 - 14	7/8 - 14	1 1/8	1.58	2.72	0.88	5,000
2706-12-12	3/4	3/4 - 14	1 1/16 - 12	1 3/8	1.75	2.93	1.06	5,000
2706-16-16	1"	1 - 11 1/2	1 5/16 - 12	1 5/8	1.75	3.11	1.31	4,500
2706-20-20	1 1/4	1 1/4 - 11 1/2	1 5/8 - 12	1 7/8	1.80	3.32	1.63	3,000
2706-24-24 #	1 1/2	1 1/2 - 11 1/2	1 7/8 - 12	2 1/8	1.81	3.44	1.88	3,000

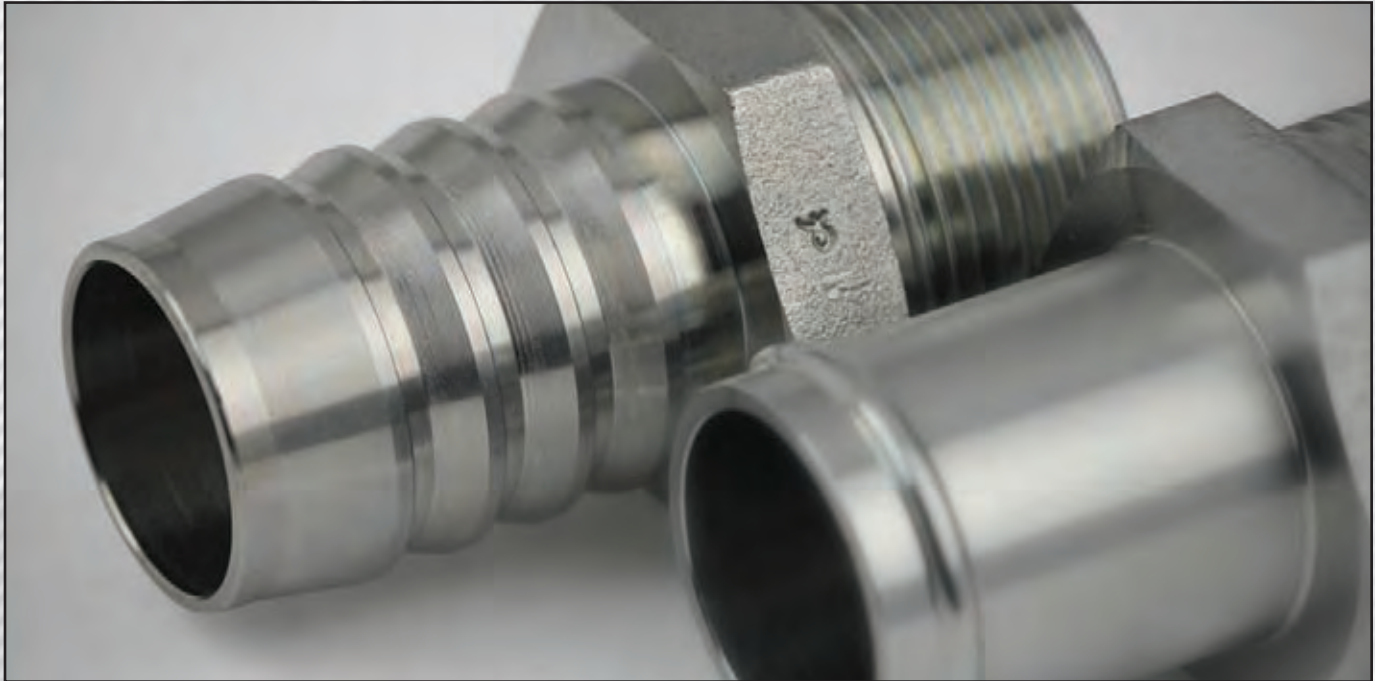
For a Locknut (306) assembled on the body, just add suffix "LN" to the series number (example: 2706LN).

4:1 Safety Factor

• Available in **316 Stainless Steel**

*# Minimum Order Quantity May Apply.

Steel Hose Barbs



Our Steel Hose Barbs, in Beaded and Suction Hose Barb styles, are for low pressure hydraulic applications. These steel hose barbs can be attached to a hose by means of a Hose Clamp or a Crimp Ferrule. The Working Pressures and Operating Temperatures are dependent on the hose they are attached to.

Beaded Hose Barbs










A hose barb is defined as one or more continuous ridges or bumps on a fitting that are used to grip the inside diameter of a tube (hose I.D.) and seal the connection. As a tube is installed on the fitting, it expands over the barb. Grip and seal occur as the tube tries to relax to its original inside diameter behind the barb.

100R4 Suction Hose Barbs

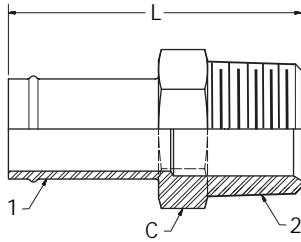
Our 100R4 Suction Hose Barbs match with our 'R4-G' Suction Hose - Return Line Hose, which is designed for low pressure hydraulic suction, vacuum, and return line service applications. This hose meets and exceeds the performance requirements of SAE 100R4 with a textile wrapped Double Steel Wire Helix reinforcement to resist crushing and kinking. The hose color is black with an antistatic cloth impression cover. It is for use with petroleum based hydraulic fluids, gasoline, water, diesel fuels, and lubricating oils. See our "Hydraulic Hose & Fittings" catalog for more details.

Pressure Connections takes great pride in each fitting we sell. Standard material for our Steel Hose Barbs is steel with a RoHS compliant 96-hour salt spray finish that exceeds the SAE 72-hour salt spray requirement. For details about our Quality Assurance Program please reference the inside front cover of this catalog.

Beaded & Suction Hose Barbs

 <p>Pg. 83 Beaded Hose Barb x MP 1-HS 2-MP</p>	 <p>Pg. 84 Beaded Hose Barb x MP 1-HS 2-MP</p>	 <p>Pg. 85 Beaded Hose Barb x MP 1-HS 2-MP</p>	 <p>Pg. 86 Beaded Hose Barb x MB 1-HS 2-MB</p>	 <p>Pg. 87 Beaded Hose Barb x MB 1-HS 2-MB</p>	 <p>Pg. 88 Beaded Hose Barb x MB 1-HS 2-MB</p>
 <p>Pg. 89 100R4 Hose Barb x MP 1-HS 2-MP</p>	 <p>Pg. 89 100R4 Hose Barb x FJX 1-HS 2-FJX</p>	 <p>Pg. 90 100R4 Hose Barb x Code 61 Flange 1-HS 2-FH61</p>	<p>100R4 Suction Hose Barb Crimp Ferrules are on page 91 and can be used with Beaded Hose Barbs</p>		

Reference
SAE 430160



Part No.	1 Beaded Barb	2 Male NPTF	C Hex	L Length
4404-04-02 #	1/4	1/8 - 27	7/16	2.10
4404-04-04	1/4	1/4 - 18	9/16	2.31
4404-05-02 #	5/16	1/8 - 27	7/16	2.16
4404-06-04	3/8	1/4 - 18	5/8	2.40
4404-06-06 #	3/8	3/8 - 18	3/4	2.35
4404-08-04 #	1/2	1/4 - 18	5/8	2.35
4404-08-06	1/2	3/8 - 18	3/4	2.31
4404-08-08	1/2	1/2 - 14	15/16	2.60
4404-10-06 #	5/8	3/8 - 18	7/8	2.31
4404-10-08	5/8	1/2 - 14	7/8	2.60
4404-10-12 #	5/8	3/4 - 14	1 1/8	2.63
4404-12-08	3/4	1/2 - 14	1"	2.60
4404-12-12	3/4	3/4 - 14	1 1/8	2.63
4404-12-16 #	3/4	1 - 11 1/2	1 3/8	2.86
4404-16-08 #	1"	1/2 - 14	1 1/8	2.64
4404-16-12	1"	3/4 - 14	1 1/4	3.10
4404-16-16	1"	1 - 11 1/2	1 3/8	2.93
4404-20-16	1 1/4	1 - 11 1/2	1 1/2	2.90
4404-20-20	1 1/4	1 1/4 - 11 1/2	1 3/4	2.93
4404-24-20 #	1 1/2	1 1/4 - 11 1/2	1 3/4	2.68
4404-24-24	1 1/2	1 1/2 - 11 1/2	2"	3.17
4404-32-32 #	2"	2 - 11 1/2	2 5/8	2.97

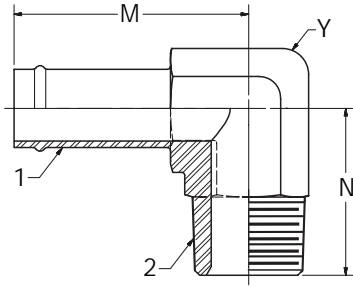
Crimp Ferrules are on page 91.

Minimum Order Quantity May Apply.

4501

Beaded Hose Barbs MP - Beaded Hose Barb Elbow

Reference
Aeroquip FF1162
SAE 430260



Part No.	1 Beaded Barb	2 Male NPTF	M Length	N Length	Y Flats
4501-04-02	1/4	1/8 - 27	1.75	0.78	7/16
4501-04-04 #	1/4	1/4 - 18	1.85	0.97	9/16
4501-06-04	3/8	1/4 - 18	1.95	1.13	9/16
4501-06-06	3/8	3/8 - 18	2.04	1.22	3/4
4501-06-08 #	3/8	1/2 - 14	2.04	1.39	7/8
4501-08-06 #	1/2	3/8 - 18	2.04	1.21	7/8
4501-08-08	1/2	1/2 - 14	2.07	1.47	7/8
4501-08-12 #	1/2	3/4 - 14	1.97	1.56	1 1/8
4501-10-06	5/8	3/8 - 18	2.06	1.21	7/8
4501-10-08	5/8	1/2 - 14	2.05	1.47	7/8
4501-12-06	3/4	3/8 - 18	2.06	1.47	7/8
4501-12-08 #	3/4	1/2 - 14	2.06	1.47	7/8
4501-12-12	3/4	3/4 - 14	2.25	1.60	1 1/16
4501-12-16 #	3/4	1 - 11 1/2	2.40	1.97	1 3/8
4501-16-12	1"	3/4 - 14	2.32	1.69	1 5/16
4501-16-16	1"	1 - 11 1/2	2.35	1.81	1 5/16
4501-20-12 #	1 1/4	3/4 - 14	2.50	1.69	1 3/8
4501-20-16 #	1 1/4	1 - 11 1/2	2.50	1.97	1 3/8
4501-20-20	1 1/4	1 1/4 - 11 1/2	2.60	2.45	1 5/8
4501-24-24	1 1/2	1 1/2 - 11 1/2	2.75	2.30	1 7/8
4501-32-32 #	2"	2 - 11 1/2	2.81	3.00	2 5/8

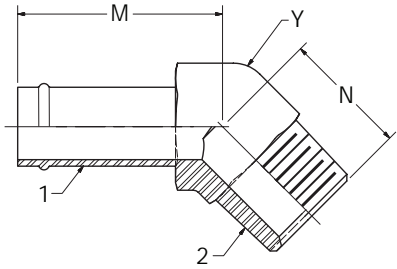
Crimp Ferrules are on page 91.

Minimum Order Quantity May Apply.

4503

Beaded Hose Barbs MP - Beaded Hose Barb Elbow

Reference
SAE 430360



Part No.	1 Beaded Barb	2 Male NPTF	M Length	N Length	Y Flats
4503-04-02 #	1/4	1/8 - 27	1.68	0.64	1/2
4503-04-04 #	1/4	1/4 - 18			
4503-05-02 #	5/16	1/8 - 27	1.63	0.64	1/2
4503-06-04 #	3/8	1/4 - 18	1.67	0.86	5/8
4503-06-06 #	3/8	3/8 - 18			
4503-08-06 #	1/2	3/8 - 18	1.83	0.98	3/4
4503-08-08 #	1/2	1/2 - 14	1.85	1.10	7/8
4503-10-06 #	5/8	3/8 - 18	1.67	0.95	13/16
4503-10-08	5/8	1/2 - 14	1.84	1.26	7/8
4503-12-08 #	3/4	1/2 - 14	1.90	1.15	15/16
4503-12-12	3/4	3/4 - 14	1.95	1.20	1 1/16
4503-12-16 #	3/4	1 - 11 1/2	2.00	1.50	1 5/16
4503-16-12 #	1"	3/4 - 14	1.95	1.20	1 11/16
4503-16-16 #	1"	1 - 11 1/2	2.00	1.50	1 5/16
4503-20-20	1 1/4	1 1/4 - 11 1/2	2.10	1.75	1 5/8
4503-24-24	1 1/2	1 1/2 - 11 1/2	2.10	1.77	1 7/8
4503-32-32 #	2"	2 - 11 1/2	2.20	2.11	2 1/2

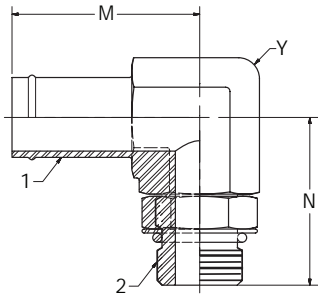
Crimp Ferrules are on page 91.

Minimum Order Quantity May Apply.

4601

Beaded Hose Barbs ORB - Beaded Hose Barb Elbow

Reference
Aeroquip FF1167
SAE 430292



Part No.	1 Beaded Barb	2 Male ORB	C Nut Hex	M Length	N Length	Y Flats
4601-04-04 #	1/4	7/16 - 20	9/16	1.75	1.03	7/16
4601-05-05 #	5/16	1/2 - 20	5/8	1.78	1.31	9/16
4601-06-04	3/8	7/16 - 20				
4601-06-06	3/8	9/16 - 18	11/16	1.85	1.24	9/16
4601-08-06 #	1/2	9/16 - 18	11/16	1.97	1.32	3/4
4601-08-08	1/2	3/4 - 16	7/8	1.95	1.40	3/4
4601-10-08 #	5/8	3/4 - 16	7/8	1.91	1.45	13/16
4601-10-10 #	5/8	7/8 - 14	1"	2.04	1.70	7/8
4601-10-12 #	5/8	1 1/16 - 12	1 3/8	2.20	2.00	1 1/16
4601-12-08	3/4	3/4 - 16	7/8	2.06	1.50	7/8
4601-12-10	3/4	7/8 - 14	1"	2.05	1.55	7/8
4601-12-12	3/4	1 1/16 - 12	1 1/4	2.17	1.95	1 1/16
4601-16-10 #	1"	7/8 - 14	1"	2.37	2.05	1 5/16
4601-16-12	1"	1 1/16 - 12	1 1/4	2.35	2.10	1 5/16
4601-16-16	1"	1 5/16 - 12	1 1/2	2.43	2.08	1 5/16
4601-16-20 #	1"	1 5/8 - 12	1 7/8	2.50	2.25	1 5/8
4601-20-16	1 1/4	1 5/16 - 12	1 1/2	2.72	2.23	1 5/8
4601-20-20	1 1/4	1 5/8 - 12	1 7/8	2.65	2.28	1 5/8
4601-20-24 #	1 1/4	1 7/8 - 12	2 1/8	2.50	2.39	2"
4601-24-20	1 1/2	1 5/8 - 12	1 7/8	2.50	2.25	1 5/8
4601-24-24	1 1/2	1 7/8 - 12	2 1/8	2.60	2.30	1 7/8
4601-32-32 #	2"	2 1/2 - 12	2 3/4	2.90	2.89	2 1/2

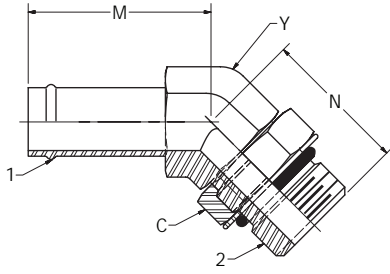
Crimp Ferrules are on page 91.

Minimum Order Quantity May Apply.

4603

Beaded Hose Barbs ORB - Beaded Hose Barb Elbow

Reference
Aeroquip FF1168
SAE 430392



Part No.	1 Beaded Barb	2 Male ORB	C Nut Hex	M Length	N Length	Y Flats
4603-04-04 #	1/4	7/16 - 20	9/16	1.70	1.05	1/2
4603-06-06 #	3/8	9/16 - 18	11/16	1.59	1.14	5/8
4603-08-08	1/2	3/4 - 16	7/8	1.82	1.30	3/4
4603-10-08 #	5/8	3/4 - 16	7/8	1.90	1.32	7/8
4603-10-10 #	5/8	7/8 - 14	1"	1.72	1.45	15/16
4603-12-08 #	3/4	1 1/16 - 12	7/8	1.62	1.30	13/16
4603-12-12	3/4	1 1/16 - 12	1 1/4	2.00	1.60	1 1/16
4603-16-12 #	1"	1 1/16 - 12	1 1/4	1.80	1.80	1 1/8
4603-16-16	1"	1 5/16 - 12	1 1/2	1.86	1.86	1 5/16
4603-20-16 #	1 1/4	1 5/8 - 12	1 1/2			
4603-20-20	1 1/4	1 5/8 - 12	1 7/8	2.06	1.89	1 5/8
4603-24-24	1 1/2	1 7/8 - 12	2 1/8	1.79	1.91	1 7/8
4603-32-32 #	2"	2 1/2 - 12	2 3/4	2.14	1.86	2 5/8

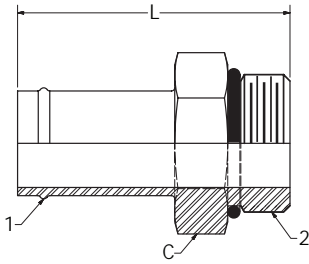
Crimp Ferrules are on page 91.

Minimum Order Quantity May Apply.

4604

Beaded Hose Barbs ORB - Beaded Hose Barb

Reference
SAE 430192



Part No.	1 Beaded Barb	2 Male ORB	C Hex	L Length
4604-04-04 #	1/4	7/16 - 20	9/16	2.17
4604-06-04	3/8	7/16 - 20	9/16	2.14
4604-06-06	3/8	9/16 - 18	11/16	2.23
4604-08-08	1/2	3/4 - 16	7/8	2.28
4604-10-10	5/8	7/8 - 14	1"	2.48
4604-12-08	3/4	3/4 - 16	1"	2.44
4604-12-12	3/4	1 1/16 - 12	1 1/4	2.60
4604-16-12	1"	1 1/16 - 12	1 1/4	2.56
4604-16-16	1"	1 5/16 - 12	1 1/2	2.60
4604-16-20 #	1"	1 5/8 - 12	1 7/8	2.70
4604-20-12 #	1 1/4	1 1/16 - 12	1 1/2	2.72
4604-20-16	1 1/4	1 5/16 - 12	1 1/2	2.72
4604-20-20	1 1/4	1 5/8 - 12	1 7/8	2.70
4604-24-20	1 1/2	1 5/8 - 12	1 7/8	2.50
4604-24-24	1 1/2	1 7/8 - 12	2 1/8	2.77
4604-32-32 #	2"	2 1/2 - 12	2 7/8	2.94

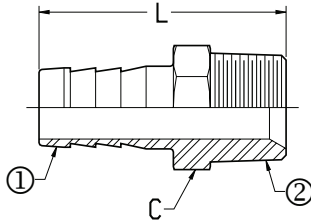
Crimp Ferrules are on page 91.

#" Minimum Order Quantity May Apply.

4801

Suction Hose Barbs MP - SUCTION Hose Barb

Reference
Parker Hose 0188
Parker Tube 0188
SAE 100R4 Hose



Part No.	1 R4 Hose Barb	2 Male NPTF	C Hex	L Length
4801-08-08	1/2	1/2 - 14	7/8	1.97
4801-12-12	3/4	3/4 - 14	1 1/16	2.45
4801-12-16 #	3/4	1 - 11 1/2	1 3/4	2.77
4801-16-16	1"	1 - 11 1/2	1 3/8	2.81
4801-20-20	1 1/4	1 1/4 - 11 1/2	1 3/4	3.18
4801-24-20	1 1/2	1 1/4 - 11 1/2	1 3/4	3.20
4801-24-24	1 1/2	1 1/2 - 11 1/2	2"	3.24
4801-32-32	2"	2 - 11 1/2	2 1/2	3.49

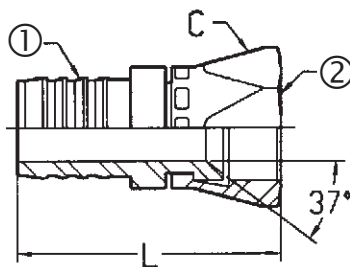
Crimp Ferrules are on page 91.

Minimum Order Quantity May Apply.

4806

FJX - SUCTION Hose Barb

Reference
Parker Hose 0688
Parker Tube 0688
SAE 100R4 Hose



Part No.	1 R4 Hose Barb	2 Female JIC Swivel	C Nut Hex	L Length
4806-08-08	1/2	3/4 - 16	7/8	2.11
4806-12-12	3/4	1 1/16 - 12	1 1/4	2.63
4806-12-16 #	3/4	1 5/16 - 12	1 1/2	2.84
4806-16-16	1"	1 5/16 - 12	1 1/2	2.88
4806-20-20	1 1/4	1 5/8 - 12	2"	3.44
4806-24-24	1 1/2	1 7/8 - 12	2 1/4	3.73
4806-32-32	2"	2 1/2 - 12	2 7/8	4.00

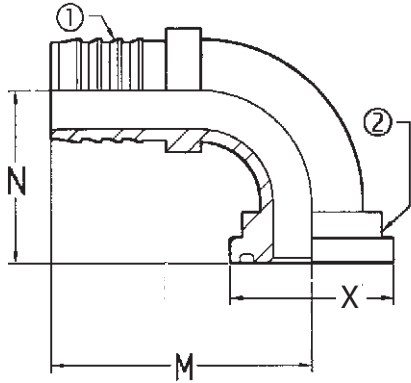
Crimp ferrules are on page 91.

Minimum Order Quantity May Apply.

4819

Suction Hose Barbs Code 61 Flange Head - SUCTION Hose Barb

Reference
Parker Hose 1988
Parker Tube 1988
SAE 100R4 Hose



Part No.	1 R4 Hose Barb	2 Code 61 Flange Head	M Length	N Length	X Diameter
4819-16-16 #	1"	1"	3.34	2.37	1.750
4819-20-20 #	1 1/4	1 1/4	3.80	2.50	2.000
4819-24-24 #	1 1/2	1 1/2	4.20	2.74	2.375
4819-32-32	2"	2"	4.86	3.19	2.812

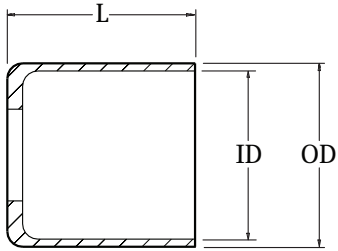
Crimp Ferrules are on page 91.

"#" Minimum Order Quantity May Apply.

4800CF

Suction Hose Barbs 100R4 Crimp Ferrule

Reference
Parker Tube 10081



Part No.	Inch Size	Dash Size	L Length	ID Inside Diameter	OD Outside Diameter
4800CF-12	3/4	-12	1.000	1.375	1.500
4800CF-16	1"	-16	1.125	1.625	1.750
4800CF-20	1 1/4	-20	1.520	1.870	2.000
4800CF-24	1 1/2	-24	1.560	2.152	2.250
4800CF-32	2"	-32	2.000	2.625	2.750

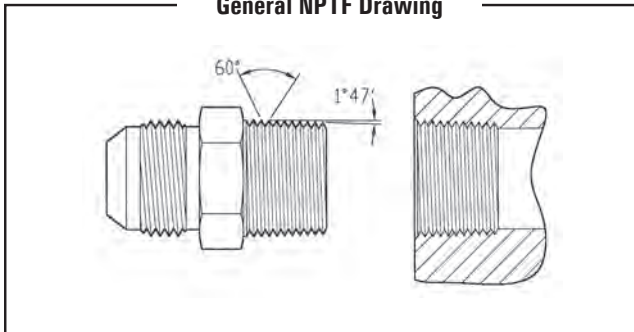
Use with Beaded Hose Barbs and 100R4 Suction Hose Barbs.

*Pressure Connections can make your Hose Assemblies for You
See our Hose and Hose Fittings Catalog*

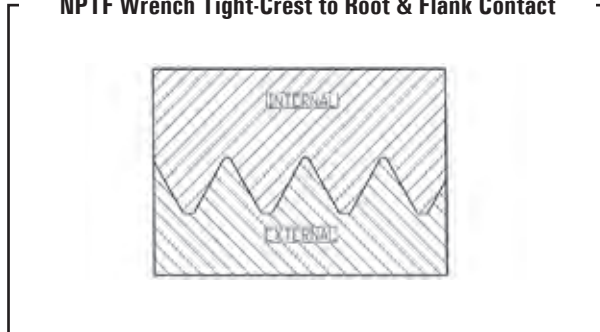
Pipe Fittings

Pipe Threads

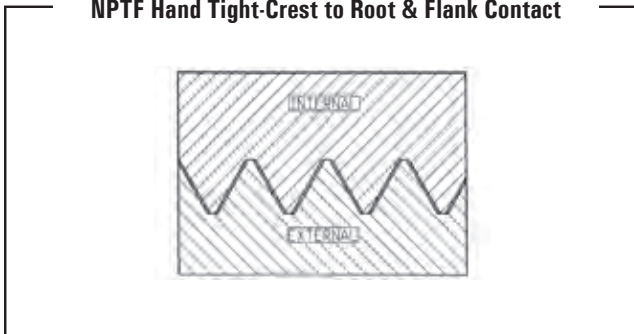
General NPTF Drawing



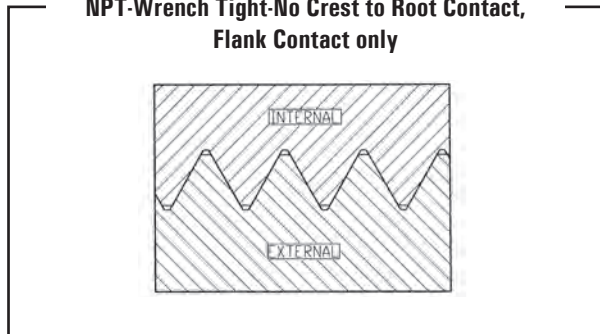
NPTF Wrench Tight-Crest to Root & Flank Contact



NPTF Hand Tight-Crest to Root & Flank Contact



NPT-Wrench Tight-No Crest to Root Contact, Flank Contact only



The Pipe Fitting has been with us since hydraulics first appeared on the scene and it is still with us today on applications all over the world. The difference is that today's pipe thread comes in many different Standards. The most common pipe threads in North America are designated as:

- NPT = American (National) Standard Pipe Taper
- NPTF = American (National) Standard Pipe Taper Fuel (Dryseal)

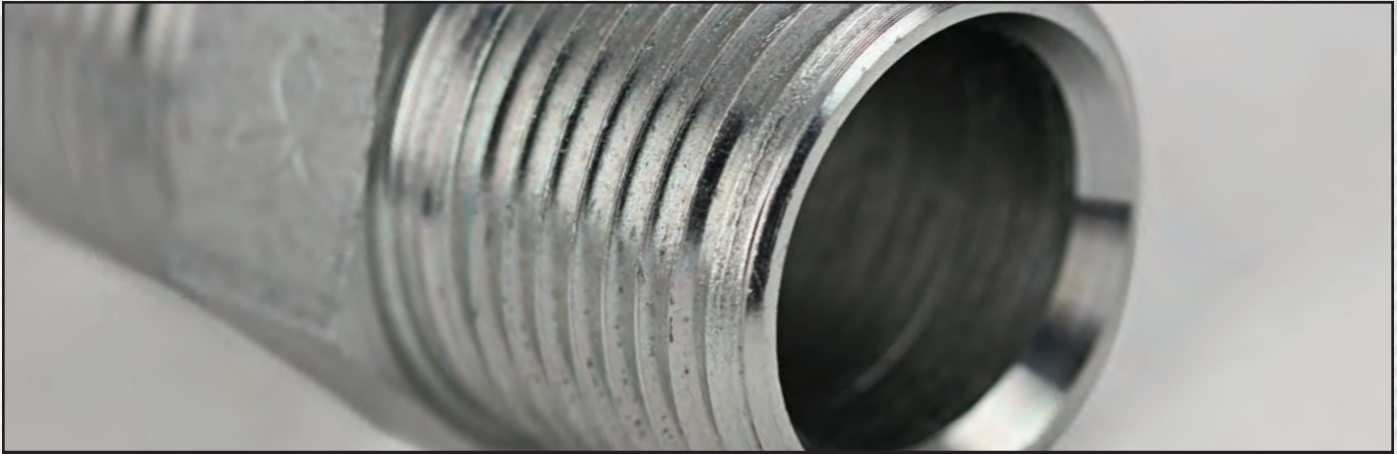
Both NPT and NPTF taper pipe threads seal by deformation of the threads. NPTF threads have a Dryseal designation with the Crest-Root contact designed so that no spiral leak path is left. Pressure Connections uses the NPTF thread, except where noted, because it has greater holding power and resistance to leakage. Although NPTF threads are designed to seal without the use of any pipe sealant, pipe sealant is normally used and recommended for added protection against leakage, galling, and spreading the torque evenly when tightening.

Sealant Paste Application: After making sure the threads are clean, evenly apply the paste over the threads exercising care not to leave any air pockets or bubbles. Be sure to leave the first 1/2 to 1-1/2 threads bare to avoid system contamination. *CAUTION: Do not use both paste and tape simultaneously.*







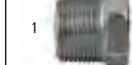




















Sealant Tape Application: After making sure the threads are clean, tightly wrap the tape in the *clockwise* direction overlapping half the width of the tape with each wrap. Apply no more than two plies per thread leaving the first two threads bare to avoid system contamination.

Pipe Thread Assembly: With proper sealant applied, tighten the pipe threads **2-3 Full Turns** past finger tight on sizes up to 1/2" with **Larger Sizes** being **1.5 – 2.5 Full Turns** past finger tight. To obtain a correct alignment for elbows and tees follow these instructions and then continue tightening to the desired point. Be careful NOT to accidentally back off or loosen a pipe thread to obtain the correct alignment because this may result in a spiral leak path. It should be noted that a pipe thread is NOT recommended for vibration or temperature cycling environments. Pipe threads should also be limited to ONE use in high pressure hydraulic applications.

Hydraulic Pipe Fittings are dimensionally standardized by SAE under J514, but due to differing manufacturing methods, and interpretation of conformance, actual performance will vary between brands. This is where our Quality Assurance Department sets us apart from many other manufacturers. Pressure Connections takes great pride in each fitting we sell. Standard material for our Pipe Fittings is steel with a RoHS compliant 96-hour salt spray finish that exceeds the SAE 72-hour salt spray requirement. For details about our Quality Assurance Program please reference the inside front cover of this catalog.



Pipe Fittings

<p>● 5000 (140138)</p>  <p>Pg. 94 Pipe Coupling 1-FP 2-FP</p>	<p>● 5404 (140137)</p>  <p>Pg. 95 Hex Pipe Nipple 1-MP 2-MP</p>	<p>● 5404N</p>  <p>Pg. 96 Seamless Pipe Nipple 1-MP (Both) 2-LENGTH</p>	<p>● 5405 (140139)</p>  <p>Pg. 98 Increase & Extension Connector 1-MP 2-FP</p>	<p>● 5406 (140140)</p>  <p>Pg. 99 Reducer Bushing 1-MP 2-FP</p>	<p>5406C</p>  <p>Pg. 100 Female Pipe Cap 1-FP</p>	<p>● 5406P (130109E)</p>  <p>Pg. 100 Hex Head Pipe Plug 1-MP</p>	<p>● 5407 (130109A)</p>  <p>Pg. 101 Square Head Pipe Plug 1-MP</p>
<p>5408 (130109G)</p>  <p>Pg. 101 Square Socket Pipe Plug 1-MP</p>	<p>● 5409 (130109N)</p>  <p>Pg. 102 Hex Socket Pipe Plug 1-MP</p>	<p>9-5409</p>  <p>Pg. 102 Aluminum Hex Socket Pipe Plug 1-MP</p>	<p>5410</p>  <p>Pg. 103 Flush Seal Pipe Plug 1-MP 7/8" Taper</p>	<p>● 5500</p>  <p>Pg. 104 Male Pipe Elbow 1-MP 2-MP</p>	<p>5501</p>  <p>Pg. 105 Male Pipe Elbow 1-MP 2-MP</p>	<p>● 5502 (140239)</p>  <p>Pg. 106 Street Elbow 1-MP 2-FP</p>	<p>● 5502C</p>  <p>Pg. 107 Compact Street "Dot" Ell 1-MP 2-FP</p>
<p>● 5503 (140339)</p>  <p>Pg. 107 Street Elbow 1-MP 2-FP</p>	<p>● 5504 (140238)</p>  <p>Pg. 108 Female Pipe Elbow 1-FP 2-FP</p>	<p>5505 (140338)</p>  <p>Pg. 109 Female Pipe Elbow 1-FP 2-FP</p>	<p>● 5600</p>  <p>Pg. 109 Male Pipe Tee 1-MP 2-MP 3-MP</p>	<p>5601</p>  <p>Pg. 110 Female Pipe Branch Tee 1-MP 2-MP 3-FP</p>	<p>● 5602 (140424)</p>  <p>Pg. 110 Street Tee 1-MP 2-FP 3-FP</p>	<p>● 5603</p>  <p>Pg. 111 Female Pipe Run Tee 1-MP 2-FP 3-MP</p>	<p>● 5604 (140425)</p>  <p>Pg. 111 Male Pipe Branch Tee 1-FP 2-FP 3-MP</p>
<p>● 5605 (140438)</p>  <p>Pg. 112 Female Pipe Tee 1-FP 2-FP 3-FP</p>	<p>5652</p>  <p>Pg. 112 Female Pipe Cross 1, 2, 3, 4-FP</p>	 <p>Our Symbol of Quality</p>					

- Available in **316 Stainless Steel**

Pipe Points

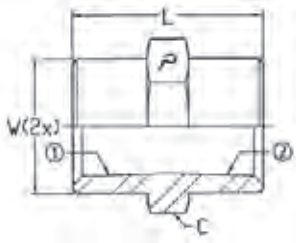
- Since **Pipe Threads Crush** to create a seal, they should be limited to one use only, unless the application is low pressure.
- To prevent **System Contamination** avoid placing sealant on the first two threads.
- We recommend **Anaerobic Pipe Sealant** for the best pipe seal.
- Teflon® tape should be wrapped around the threads a maximum of two times and should NOT be used with anaerobic pipe sealant

Teflon® is a Registered Trademark of DuPont™



3D Models are available on request

Reference
Aeroquip 2096
Parker Hose Q202
Parker Tube GG
Weatherhead C3309
SAE 140138



Part No.	1 Female NPTF	2 Female NPTF	C Hex	L Length	W Diameter	Operating Pressure
5000-02-02	1/8 - 27	1/8 - 27	5/8	0.75	0.63	6,000
5000-04-02	1/4 - 18	1/8 - 27	3/4	1.13	0.75	6,000
5000-04-04	1/4 - 18	1/4 - 18	3/4	1.13	0.75	6,000
5000-06-02 #	3/8 - 18	1/8 - 27	7/8	1.03	0.88	6,000
5000-06-04	3/8 - 18	1/4 - 18	7/8	1.13	0.88	6,000
5000-06-06	3/8 - 18	3/8 - 18	7/8	1.13	0.88	6,000
5000-08-04	1/2 - 14	1/4 - 18	1 1/8	1.51	1.13	5,000
5000-08-06	1/2 - 14	3/8 - 18	1 1/8	1.50	1.13	5,000
5000-08-08	1/2 - 14	1/2 - 14	1 1/8	1.50	1.13	5,000
5000-12-04	3/4 - 14	1/4 - 18	1 3/8	1.40	1.38	4,000
5000-12-06	3/4 - 14	3/8 - 18	1 3/8	1.53	1.38	4,000
5000-12-08	3/4 - 14	1/2 - 14	1 3/8	1.53	1.38	4,000
5000-12-12	3/4 - 14	3/4 - 14	1 3/8	1.53	1.38	4,000
5000-16-08 #	1 - 11 1/2	1/2 - 14	1 5/8	1.89	1.63	3,000
5000-16-12	1 - 11 1/2	3/4 - 14	1 5/8	1.89	1.63	3,000
5000-16-16	1 - 11 1/2	1 - 11 1/2	1 5/8	1.89	1.63	3,000
5000-20-16	1 1/4 - 11 1/2	1 - 11 1/2	2"	1.93	2.00	2,500
5000-20-20	1 1/4 - 11 1/2	1 1/4 - 11 1/2	2"	1.93	2.00	2,500
5000-24-24	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2 3/8	1.93	2.38	2,000
5000-32-32	2 - 11 1/2	2 - 11 1/2	2 7/8	1.96	2.87	1,500

• Available in **316 Stainless Steel**

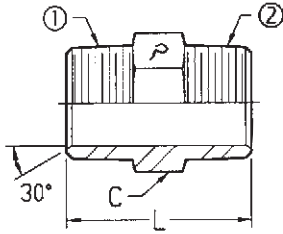
4:1 Safety Factor

Minimum Order Quantity May Apply.

5404

Pipe Fittings Hex Pipe Nipple

Reference
Aeroquip 2083
Parker Hose 0101
Parker Tube FF
Weatherhead C3069
SAE 140137



Part No.	1 Male NPTF	2 Male NPTF	C Hex	L Length	Operating Pressure
5404-02-02	1/8 - 27	1/8 - 27	7/16	1.06	6,000
5404-04-02	1/4 - 18	1/8 - 27	5/8	1.26	6,000
5404-04-04	1/4 - 18	1/4 - 18	5/8	1.45	6,000
5404-04-04X	1/4 - 18	1/4 - 18	5/8	1.45	6,000
5404-06-02	3/8 - 18	1/8 - 27	3/4	1.26	6,000
5404-06-04	3/8 - 18	1/4 - 18	3/4	1.45	6,000
5404-06-04X #Dual Chamfer	3/8 - 18	1/4 - 18	3/4	1.45	6,000
5404-06-06	3/8 - 18	3/8 - 18	3/4	1.45	6,000
5404-06-06X #Dual Chamfer #	3/8 - 18	3/8 - 18	3/4	1.45	6,000
5404-08-02 #	1/2 - 14	1/8 - 27	7/8	1.52	6,000
5404-08-04	1/2 - 14	1/4 - 18	7/8	1.70	6,000
5404-08-06	1/2 - 14	3/8 - 18	7/8	1.70	6,000
5404-08-08	1/2 - 14	1/2 - 14	7/8	1.89	6,000
5404-12-02 #	3/4 - 14	1/8 - 27	1 1/8	1.59	6,000
5404-12-04 #	3/4 - 14	1/4 - 18	1 1/8	1.78	5,500
5404-12-06	3/4 - 14	3/8 - 18	1 1/8	1.77	5,500
5404-12-08	3/4 - 14	1/2 - 14	1 1/8	1.96	5,500
5404-12-12	3/4 - 14	3/4 - 14	1 1/8	1.96	5,500
5404-16-08	1 - 11 1/2	1/2 - 14	1 3/8	2.09	4,500
5404-16-12	1 - 11 1/2	3/4 - 14	1 3/8	2.15	4,500
5404-16-16	1 - 11 1/2	1 - 11 1/2	1 3/8	2.34	4,500
5404-20-04 #	1 1/4 - 11 1/2	1/4 - 18	1 3/4	1.99	3,000
5404-20-12	1 1/4 - 11 1/2	3/4 - 14	1 3/4	2.26	3,000
5404-20-16	1 1/4 - 11 1/2	1 - 11 1/2	1 3/4	2.45	3,000
5404-20-20	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 3/4	2.48	3,000
5404-24-12 #	1 1/2 - 11 1/2	3/4 - 14	2"	2.36	3,000
5404-24-16	1 1/2 - 11 1/2	1 - 11 1/2	2"	2.55	3,000
5404-24-20	1 1/2 - 11 1/2	1 1/4 - 11 1/2	2"	2.58	3,000
5404-24-24	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2"	2.61	3,000
5404-32-16 #	2 - 11 1/2	1 - 11 1/2	2 1/2	2.73	2,000
5404-32-20 #	2 - 11 1/2	1 1/4 - 11 1/2	2 1/2	2.76	2,000
5404-32-24	2 - 11 1/2	1 1/2 - 11 1/2	2 1/2	2.79	2,000
5404-32-32	2 - 11 1/2	2 - 11 1/2	2 1/2	2.82	2,000

• Available in 316 Stainless Steel

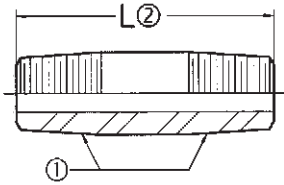
4:1 Safety Factor

*# Minimum Order Quantity May Apply.

5404N

Pipe Fittings Seamless Pipe Nipple

Reference
Aeroquip 2084
SAE J514



Part No.	1 Male NPTF	2 Length	L Length	Operating Pressure
5404N-02-CLOSE	1/8 - 27	0.79	3/4	6,000
5404N-02-1.5	1/8 - 27	1.50	1 1/2	6,000
5404N-02-2	1/8 - 27	2.00	2"	6,000
5404N-02-2.5 #	1/8 - 27	2.50	2 1/2	6,000
5404N-02-3 #	1/8 - 27	3.00	3"	6,000
5404N-02-3.5 #	1/8 - 27	3.50	3 1/2	6,000
5404N-02-4 #	1/8 - 27	4.00	4"	6,000
5404N-02-4.5 #	1/8 - 27	4.50	4 1/2	6,000
5404N-02-5 #	1/8 - 27	5.00	5"	6,000
5404N-02-5.5 #	1/8 - 27	5.50	5 1/2	6,000
5404N-02-6 #	1/8 - 27	6.00	6"	6,000
5404N-04-CLOSE	1/4 - 18	0.94	15/16	6,000
5404N-04-1.5	1/4 - 18	1.50	1 1/2	6,000
5404N-04-2	1/4 - 18	2.00	2"	6,000
5404N-04-2.5	1/4 - 18	2.50	2 1/2	6,000
5404N-04-3	1/4 - 18	3.00	3"	6,000
5404N-04-3.5 #	1/4 - 18	3.50	3 1/2	6,000
5404N-04-4	1/4 - 18	4.00	4"	6,000
5404N-04-4.5 #	1/4 - 18	4.50	4 1/2	6,000
5404N-04-5 #	1/4 - 18	5.00	5"	6,000
5404N-04-5.5 #	1/4 - 18	5.50	5 1/2	6,000
5404N-04-6 #	1/4 - 18	6.00	6"	6,000
5404N-06-CLOSE	3/8 - 18	1.00	1"	6,000
5404N-06-1.5	3/8 - 18	1.50	1 1/2	6,000
5404N-06-2	3/8 - 18	2.00	2"	6,000
5404N-06-2.5 #	3/8 - 18	2.50	2 1/2	6,000
5404N-06-3	3/8 - 18	3.00	3"	6,000
5404N-06-3.5 #	3/8 - 18	3.50	3 1/2	6,000
5404N-06-4	3/8 - 18	4.00	4"	6,000
5404N-06-4.5 #	3/8 - 18	4.50	4 1/2	6,000
5404N-06-5 #	3/8 - 18	5.00	5"	6,000
5404N-06-5.5 #	3/8 - 18	5.50	5 1/2	6,000
5404N-06-6 #	3/8 - 18	6.00	6"	6,000
5404N-08-CLOSE	1/2 - 14	1.21	1 1/4	6,000
5404N-08-1.5	1/2 - 14	1.50	1 1/2	6,000
5404N-08-2	1/2 - 14	2.00	2"	6,000

• Available in **316 Stainless Steel**

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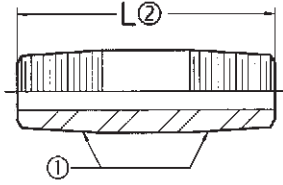
4:1 Safety Factor

#" Minimum Order Quantity May Apply.

5404N

Pipe Fittings Seamless Pipe Nipple

Reference
Aeroquip 2084
SAE J514



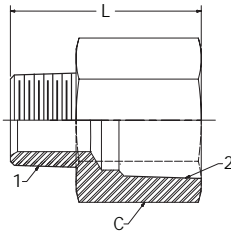
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Part No.	1 Male NPTF	2 Length	L Length	Operating Pressure
5404N-08-2.5	1/2 - 14	2.50	2 1/2	5,500
5404N-08-3	1/2 - 14	3.00	3"	5,500
5404N-08-3.5 #	1/2 - 14	3.50	3 1/2	5,500
5404N-08-4	1/2 - 14	4.00	4"	5,500
5404N-08-4.5	1/2 - 14	4.50	4 1/2	5,500
5404N-08-5	1/2 - 14	5.00	5"	5,500
5404N-08-5.5 #	1/2 - 14	5.50	5 1/2	5,500
5404N-08-6 #	1/2 - 14	6.00	6"	5,500
5404N-12-CLOSE	3/4 - 14	1.37	1 3/8	5,500
5404N-12-1.5 #	3/4 - 14	1.50	1 1/2	5,500
5404N-12-2	3/4 - 14	2.00	2"	4,500
5404N-12-2.5 #	3/4 - 14	2.50	2 1/2	4,500
5404N-12-3	3/4 - 14	3.00	3"	4,500
5404N-12-3.5 #	3/4 - 14	3.50	3 1/2	4,500
5404N-12-4	3/4 - 14	4.00	4"	4,500
5404N-12-4.5 #	3/4 - 14	4.50	4 1/2	4,500
5404N-12-5 #	3/4 - 14	5.00	5"	4,500
5404N-12-5.5 #	3/4 - 14	5.50	5 1/2	4,500
5404N-12-6 #	3/4 - 14	6.00	6"	4,500
5404N-16-CLOSE	1 - 11 1/2	1.63	1 5/8	4,500
5404N-16-2 #	1 - 11 1/2	2.00	2"	4,500
5404N-16-2.5 #	1 - 11 1/2	2.50	2 1/2	4,000
5404N-16-3 #	1 - 11 1/2	3.00	3"	3,500
5404N-16-3.5 #	1 - 11 1/2	3.50	3 1/2	3,500
5404N-16-4 #	1 - 11 1/2	4.00	4"	3,500
5404N-16-4.5 #	1 - 11 1/2	4.50	4 1/2	3,500
5404N-16-5 #	1 - 11 1/2	5.00	5"	3,500
5404N-16-5.5 #	1 - 11 1/2	5.50	5 1/2	3,500
5404N-16-6 #	1 - 11 1/2	6.00	6"	3,500
5404N-20-CLOSE	1 1/4 - 11 1/2	1.94	1 15/16	3,000
5404N-20-2 #	1 1/4 - 11 1/2	2.00	2"	3,000
5404N-20-2.5 #	1 1/4 - 11 1/2	2.50	2 1/2	3,000
5404N-20-3 #	1 1/4 - 11 1/2	3.00	3"	3,000
5404N-20-3.5 #	1 1/4 - 11 1/2	3.50	3 1/2	3,000
5404N-20-4 #	1 1/4 - 11 1/2	4.00	4"	3,000
5404N-24-CLOSE #	1 1/2 - 11 1/2	1.75	1 3/4	3,000

• Available in 316 Stainless Steel

4:1 Safety Factor

Minimum Order Quantity May Apply.



Reference
Aeroquip 2040
Parker Hose 0201
Parker Tube FG
Weatherhead C3209
SAE 140139

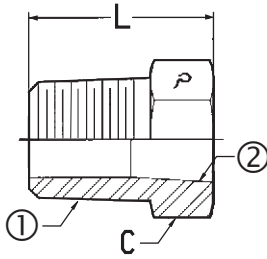
Part No.	1 Male NPTF	2 Female NPTF	C Hex	L Length	Operating Pressure
5405-02-02	1/8 - 27	1/8 - 27	5/8	1.04	6,000
5405-02-04	1/8 - 27	1/4 - 18	3/4	1.21	6,000
5405-02-06	1/8 - 27	3/8 - 18	7/8	1.25	6,000
5405-02-08 #	1/8 - 27	1/2 - 14	1 1/8	1.50	5,000
5405-04-02 #	1/4 - 18	1/8 - 27	5/8	1.02	6,000
5405-04-04	1/4 - 18	1/4 - 18	3/4	1.39	6,000
5405-04-06	1/4 - 18	3/8 - 18	7/8	1.44	6,000
5405-04-08	1/4 - 18	1/2 - 14	1 1/8	1.70	5,000
5405-04-12 #	1/4 - 18	3/4 - 14	1 3/8	1.93	4,000
5405-06-04	3/8 - 18	1/4 - 18	3/4	1.25	6,000
5405-06-06	3/8 - 18	3/8 - 18	7/8	1.44	6,000
5405-06-08	3/8 - 18	1/2 - 14	1 1/8	1.68	5,000
5405-06-12	3/8 - 18	3/4 - 14	1 3/8	1.76	4,000
5405-08-04 #	1/2 - 14	1/4 - 18	7/8	1.50	6,000
5405-08-06 #	1/2 - 14	3/8 - 18	7/8	1.85	5,000
5405-08-08	1/2 - 14	1/2 - 14	1 1/8	1.87	5,000
5405-08-12	1/2 - 14	3/4 - 14	1 3/8	1.93	4,000
5405-08-16	1/2 - 14	1 - 11 1/2	1 5/8	2.20	3,000
5405-12-06	3/4 - 14	3/8 - 18	1 1/8	1.50	5,000
5405-12-08 #	3/4 - 14	1/2 - 14	1 1/8	1.57	5,000
5405-12-12	3/4 - 14	3/4 - 14	1 3/8	1.93	4,000
5405-12-16	3/4 - 14	1 - 11 1/2	1 5/8	2.18	3,000
5405-12-20 #	3/4 - 14	1 1/4 - 11 1/2	2"	2.32	2,500
5405-16-08 #	1 - 11 1/2	1/2 - 14	1 3/8	1.62	3,000
5405-16-12	1 - 11 1/2	3/4 - 14	1 3/8	2.12	3,000
5405-16-16	1 - 11 1/2	1 - 11 1/2	1 5/8	2.37	3,000
5405-16-20	1 - 11 1/2	1 1/4 - 11 1/2	2"	2.46	2,500
5405-16-24 #	1 - 11 1/2	1 1/2 - 11 1/2	2 3/8	2.54	2,000
5405-20-12 #	1 1/4 - 11 1/2	3/4 - 14	2"	1.38	2,500
5405-20-16 #	1 1/4 - 11 1/2	1 - 11 1/2	1 3/4	2.50	2,500
5405-20-20 #	1 1/4 - 11 1/2	1 1/4 - 11 1/2	2"	2.49	2,500
5405-20-24	1 1/4 - 11 1/2	1 1/2 - 11 1/2	2 3/8	2.50	2,000
5405-20-32 #	1 1/4 - 11 1/2	2 - 11 1/2	2 7/8	2.65	1,500
5405-24-20 #	1 1/2 - 11 1/2	1 1/4 - 11 1/2	2"	2.52	2,500
5405-24-24 #	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2 3/8	2.53	2,000
5405-24-32 #	1 1/2 - 11 1/2	2 - 11 1/2	2 7/8	2.63	1,500
5405-32-32 #	2 - 11 1/2	2 - 11 1/2	2 7/8	2.66	1,500

• Available in 316 Stainless Steel

4:1 Safety Factor

Minimum Order Quantity May Apply.

Reference
Aeroquip 2081
Parker Hose 0102
Parker Tube PTR
Weatherhead C3109
SAE 140140



Part No.	1 Male NPTF	2 Female NPTF	C Hex	L Length	Operating Pressure
5406-04-02	1/4 - 18	1/8 - 27	5/8	0.85	6,000
5406-06-02	3/8 - 18	1/8 - 27	3/4	0.85	6,000
5406-06-04	3/8 - 18	1/4 - 18	3/4	0.85	6,000
5406-08-02	1/2 - 14	1/8 - 27	7/8	1.10	6,000
5406-08-04	1/2 - 14	1/4 - 18	7/8	1.10	6,000
5406-08-06	1/2 - 14	3/8 - 18	7/8	1.10	6,000
5406-12-02	3/4 - 14	1/8 - 27	1 1/8	1.17	6,000
5406-12-04	3/4 - 14	1/4 - 18	1 1/8	1.17	6,000
5406-12-06	3/4 - 14	3/8 - 18	1 1/8	1.17	5,000
5406-12-08	3/4 - 14	1/2 - 14	1 1/8	1.17	4,500
5406-16-04	1 - 11 1/2	1/4 - 18	1 3/8	1.36	4,500
5406-16-06	1 - 11 1/2	3/8 - 18	1 3/8	1.36	5,000
5406-16-08	1 - 11 1/2	1/2 - 14	1 3/8	1.36	4,500
5406-16-12	1 - 11 1/2	3/4 - 14	1 3/8	1.36	4,000
5406-20-04 #	1 1/4 - 11 1/2	1/4 - 18	1 3/4	1.47	3,000
5406-20-06 #	1 1/4 - 11 1/2	3/8 - 18	1 3/4	1.49	3,000
5406-20-08	1 1/4 - 11 1/2	1/2 - 14	1 3/4	1.47	3,000
5406-20-12	1 1/4 - 11 1/2	3/4 - 14	1 3/4	1.47	3,000
5406-20-16	1 1/4 - 11 1/2	1 - 11 1/2	1 3/4	1.47	3,000
5406-24-04 #	1 1/2 - 11 1/2	1/4 - 18	2"	1.57	3,000
5406-24-06 #	1 1/2 - 11 1/2	3/8 - 18	2"	1.57	3,000
5406-24-08	1 1/2 - 11 1/2	1/2 - 14	2"	1.57	3,000
5406-24-12	1 1/2 - 11 1/2	3/4 - 14	2"	1.57	3,000
5406-24-16	1 1/2 - 11 1/2	1 - 11 1/2	2"	1.57	3,000
5406-24-20	1 1/2 - 11 1/2	1 1/4 - 11 1/2	2"	1.57	2,500
5406-32-06 #	2 - 11 1/2	3/8 - 18	2 1/2	1.75	2,000
5406-32-08 #	2 - 11 1/2	1/2 - 14	2 1/2	1.75	2,000
5406-32-12	2 - 11 1/2	3/4 - 14	2 1/2	1.75	2,000
5406-32-16	2 - 11 1/2	1 - 11 1/2	2 1/2	1.75	2,000
5406-32-20	2 - 11 1/2	1 1/4 - 11 1/2	2 1/2	1.75	2,000
5406-32-24	2 - 11 1/2	1 1/2 - 11 1/2	2 1/2	1.75	2,000

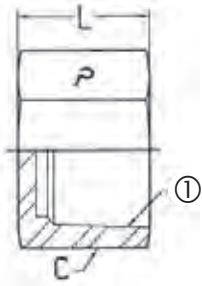
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

5406C

Pipe Fittings Female Pipe Cap



Reference
SAE J514

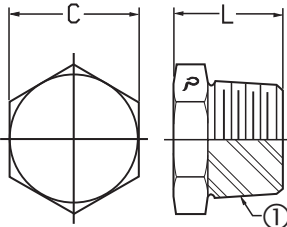
Part No.	1 Female NPT	C Hex	L Length	Operating Pressure
5406C-02	1/8 - 27	9/16	0.75	6,000
5406C-04	1/4 - 18	3/4	0.91	6,000
5406C-06	3/8 - 18	7/8	1.03	6,000
5406C-08	1/2 - 14	1 1/16	1.34	6,000
5406C-12	3/4 - 14	1 1/4	1.44	4,800
5406C-16 #	1 - 11 1/2	1 5/8	1.68	3,600
5406C-24 #	1 1/2 - 11 1/2	2 3/8	1.92	2,400

Minimum Order Quantity May Apply.

4:1 Safety Factor

5406P

Hex Head Plug - MP



Reference
Aeroquip 2082
Parker Tube HP
Weatherhead C3159
SAE 130109E

Part No.	1 Male NPT	C Hex	L Length	Operating Pressure
5406P-01	1/16 - 27	5/16	0.53	6,000
5406P-02	1/8 - 27	7/16	0.56	6,000
5406P-04	1/4 - 18	9/16	0.74	6,000
5406P-06	3/8 - 18	11/16	0.77	6,000
5406P-08	1/2 - 14	7/8	0.96	6,000
5406P-12	3/4 - 14	1 1/16	1.05	5,500
5406P-16	1 - 11 1/2	1 5/16	1.25	5,500
5406P-20	1 1/4 - 11 1/2	1 3/4	1.47	5,000
5406P-24	1 1/2 - 11 1/2	2"	1.57	3,000
5406P-32	2 - 11 1/2	2 1/2	1.75	2,500

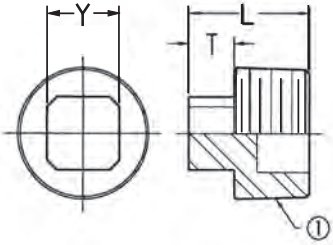
• Available in **316 Stainless Steel**

4:1 Safety Factor

5407

Pipe Fittings Square Head Plug

Reference
Parker Tube SHP
Weatherhead C3179
SAE 130109A



Part No.	1 Male NPT	L Length	T Thickness	Y Square Head	Operating Pressure
5407-01 #	1/16 - 27	0.53	0.19	7/32	6,000
5407-02	1/8 - 27	0.61	0.24	9/32	6,000
5407-04	1/4 - 18	0.83	0.29	3/8	6,000
5407-06	3/8 - 18	0.82	0.31	7/16	6,000
5407-08	1/2 - 14	1.10	0.38	9/16	6,000
5407-12	3/4 - 14	1.15	0.44	5/8	6,000
5407-16	1 - 11 1/2	1.37	0.52	1 1/16	5,500
5407-20	1 1/4 - 11 1/2	1.43	0.58	15/16	5,000
5407-24	1 1/2 - 11 1/2	1.49	0.64	1 1/8	3,000
5407-32	2 - 11 1/2	1.68	0.72	1 5/16	2,500

• Available in **316 Stainless Steel**

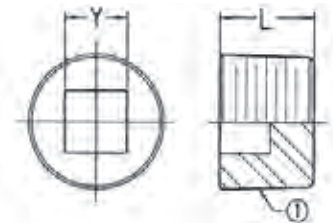
4:1 Safety Factor

Minimum Order Quantity May Apply.

5408

Square Socket Plug

Reference
SAE 130109G



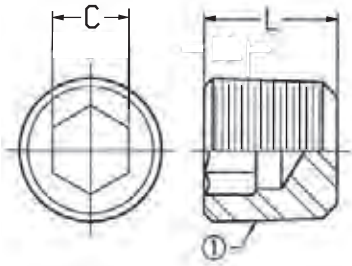
Part No.	1 Male NPT	L Length	Y Square Socket	Operating Pressure
5408-02	1/8 - 27	0.30	3/16	6,000
5408-04	1/4 - 18	0.45	1/4	6,000
5408-06	3/8 - 18	0.46	5/16	6,000
5408-08	1/2 - 14	0.61	3/8	6,000
5408-12	3/4 - 14	0.64	1/2	5,500
5408-16	1 - 11 1/2	0.77	1/2	5,500
5408-20	1 1/4 - 11 1/2	0.82	3/4	5,000
5408-24	1 1/2 - 11 1/2	0.84	3/4	3,000
5408-32 #	2 - 11 1/2	0.89	7/8	2,500

Minimum Order Quantity May Apply.

4:1 Safety Factor

5409

Pipe Fittings Hex Socket Plug



Reference
Aeroquip 2222
Parker Hose 01HP
Parker Tube HHP
Weatherhead C3169
SAE 130109N

Part No.	1 Male NPT	C Hex Socket	L Length	Operating Pressure
5409-01	1/16 - 27	5/32	0.30	6,000
5409-02	1/8 - 27	3/16	0.30	6,000
5409-04	1/4 - 18	1/4	0.41	6,000
5409-04-Y #Yellow #	1/4 - 18	1/4	0.41	6,000
5409-06	3/8 - 18	5/16	0.47	6,000
5409-06-Y #Yellow #	3/8 - 18	5/16	0.47	6,000
5409-08	1/2 - 14	3/8	0.61	6,000
5409-08-Y #Yellow	1/2 - 14	3/8	0.61	6,000
5409-12	3/4 - 14	9/16	0.65	5,500
5409-16	1 - 11 1/2	5/8	0.77	5,500
5409-20	1 1/4 - 11 1/2	3/4	0.77	5,000
5409-24	1 1/2 - 11 1/2	3/4	0.83	3,000
5409-32	2 - 11 1/2	1"	0.92	2,500

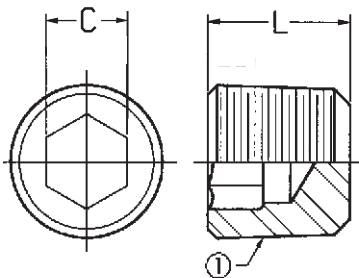
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

9-5409

ALUMINUM Hex Socket Plug

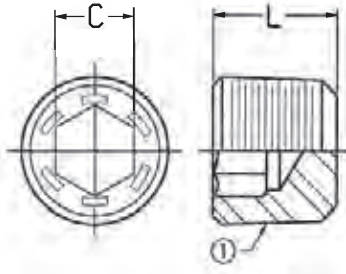


Reference
SAE 130109N

Part No.	1 Male NPT	C Hex Socket	L Length
9-5409-02	1/8 - 27	3/16	0.30
9-5409-04	1/4 - 18	1/4	0.42
9-5409-06	3/8 - 18	5/16	0.42
9-5409-08	1/2 - 14	3/8	0.54
9-5409-12	3/4 - 14	9/16	0.62
9-5409-16 #	1 - 11 1/2	5/8	0.75

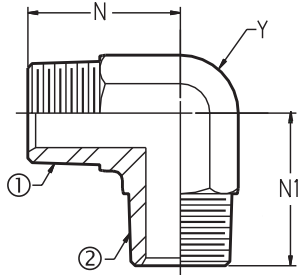
Minimum Order Quantity May Apply.

4:1 Safety Factor



Part No.	1 Male 7/8 Taper	C Hex Socket	L Length	Operating Pressure
5410-01	1/16 - 27	5/32	0.25	6,000
5410-02	1/8 - 27	3/16	0.25	6,000
5410-04	1/4 - 18	1/4	0.40	6,000
5410-06	3/8 - 18	5/16	0.40	6,000
5410-08	1/2 - 14	3/8	0.52	6,000
5410-12	3/4 - 14	9/16	0.52	6,000

4:1 Safety Factor



Reference
Aeroquip 2085
Parker Hose 2101
Parker Tube CR
Weatherhead C3529
SAE J514

Part No.	1 Male NPTF	2 Male NPTF	N Length	N1 Length	Y Flats	Operating Pressure
5500-02-02-4	1/8 - 27	1/8 - 27	0.78	0.78	7/16	6,000
5500-04-02-4	1/4 - 18	1/8 - 27	1.09	0.90	9/16	6,000
5500-04-04-4	1/4 - 18	1/4 - 18	1.09	1.09	9/16	6,000
5500-06-04-4	3/8 - 18	1/4 - 18	1.22	1.22	3/4	6,000
5500-06-06-4	3/8 - 18	3/8 - 18	1.22	1.22	3/4	6,000
5500-08-04-4 #	1/2 - 14	1/4 - 18	1.50	1.30	7/8	6,000
5500-08-06-4	1/2 - 14	3/8 - 18	1.47	1.28	7/8	6,000
5500-08-08-4	1/2 - 14	1/2 - 14	1.47	1.47	7/8	6,000
5500-12-08-4	3/4 - 14	1/2 - 14	1.59	1.47	1 1/16	4,000
5500-12-12-4	3/4 - 14	3/4 - 14	1.59	1.59	1 1/16	4,000
5500-16-12-4	1 - 11 1/2	3/4 - 14	1.97	1.78	1 5/16	3,000
5500-16-16-4	1 - 11 1/2	1 - 11 1/2	1.97	1.97	1 5/16	3,000
5500-20-20-4	1 1/4 - 11 1/2	1 1/4 - 11 1/2	2.22	2.22	1 5/8	2,500
5500-24-24-4	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2.67	2.67	1 7/8	2,500
5500-32-32-4 #	2 - 11 1/2	2 - 11 1/2	3.00	3.00	2 1/2	1,800

• Available in **316 Stainless Steel**

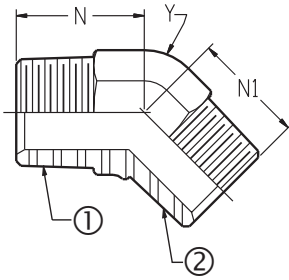
4:1 Safety Factor

Minimum Order Quantity May Apply.

5501

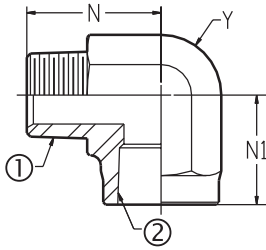
Pipe Fittings Male Pipe Elbow

Reference
Aeroquip 2247
SAE J514



Part No.	1 Male NPTF	2 Male NPTF	N Length	N1 Length	Y Flats	Operating Pressure
5501-02-02-4	1/8 - 27	1/8 - 27	0.64	0.64	7/16	6,000
5501-04-04-4	1/4 - 18	1/4 - 18	0.86	0.86	9/16	6,000
5501-06-06-4	3/8 - 18	3/8 - 18	0.95	0.95	3/4	6,000
5501-08-08-4	1/2 - 14	1/2 - 14	1.18	1.18	7/8	6,000
5501-12-12-4	3/4 - 14	3/4 - 14	1.38	1.38	1 1/16	4,000
5501-16-16-4	1 - 11 1/2	1 - 11 1/2	1.48	1.48	1 5/16	3,000

4:1 Safety Factor



Reference
Aeroquip 2089
Parker Hose 2102
Parker Tube CD
Weatherhead C3409
SAE 140239

Part No.	1 Male NPTF	2 Female NPTF	N Length	N1 Length	Y Flats	Operating Pressure
5502-02-02-4	1/8 - 27	1/8 - 27	0.78	0.66	9/16	6,000
5502-02-04-4	1/8 - 27	1/4 - 18	0.90	0.88	3/4	6,000
5502-04-02-4	1/4 - 18	1/8 - 27	1.09	0.66	9/16	6,000
5502-04-04-4	1/4 - 18	1/4 - 18	1.09	0.88	3/4	6,000
5502-04-06-4	1/4 - 18	3/8 - 18	1.22	1.02	7/8	4,500
5502-06-04-4	3/8 - 18	1/4 - 18	1.22	0.88	3/4	5,000
5502-06-06-4	3/8 - 18	3/8 - 18	1.22	1.02	7/8	4,500
5502-06-08-4	3/8 - 18	1/2 - 14	1.28	1.23	1 1/16	3,000
5502-08-04-4 #	1/2 - 14	1/4 - 18	1.49	1.00	7/8	3,000
5502-08-06-4	1/2 - 14	3/8 - 18	1.47	1.01	7/8	4,500
5502-08-08-4	1/2 - 14	1/2 - 14	1.47	1.23	1 1/16	3,000
5502-08-12-4	1/2 - 14	3/4 - 14	1.58	1.36	1 5/16	4,500
5502-12-08-4	3/4 - 14	1/2 - 14	1.59	1.23	1 1/16	3,000
5502-12-12-4	3/4 - 14	3/4 - 14	1.59	1.36	1 5/16	3,000
5502-12-16-4	3/4 - 14	1 - 11 1/2	1.81	1.62	1 5/8	2,200
5502-16-12-4	1 - 11 1/2	3/4 - 14	2.14	1.39	1 5/16	2,200
5502-16-16-4	1 - 11 1/2	1 - 11 1/2	1.97	1.62	1 5/8	2,200
5502-20-12-4 #	1 1/4 - 11 1/2	3/4 - 14	2.38	1.45	1 5/8	1,800
5502-20-16-4 #	1 1/4 - 11 1/2	1 - 11 1/2	2.25	1.63	1 5/8	1,800
5502-20-20-4	1 1/4 - 11 1/2	1 1/4 - 11 1/2	2.38	1.70	1 7/8	1,800
5502-24-24-4	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2.64	2.08	2 9/16	1,800
5502-32-32-4	2 - 11 1/2	2 - 11 1/2	3.00	2.39	2 13/16	1,200

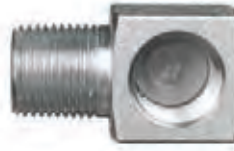
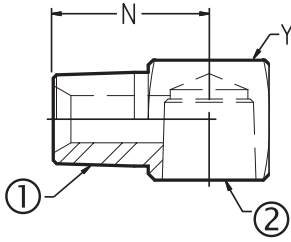
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

5502C

Pipe Fittings Compact Street Dot Ell



Part No.	1 Male NPTF	2 Female NPTF	N Length	Y Flats	Operating Pressure
5502C-02-02	1/8 - 27	1/8 - 27	0.78	5/8	5,000
5502C-04-04	1/4 - 18	1/4 - 18	1.09	7/8	5,000
5502C-06-04 #	3/8 - 18	1/4 - 18	1.22	3/4	4,000
5502C-06-06	3/8 - 18	3/8 - 18	1.12	7/8	4,000
5502C-08-06 #	1/2 - 14	3/8 - 18	1.19	7/8	3,500
5502C-08-08	1/2 - 14	1/2 - 14	1.44	1 1/8	3,500
5502C-12-12 #	3/4 - 14	3/4 - 14	1.55	1 3/8	2,200

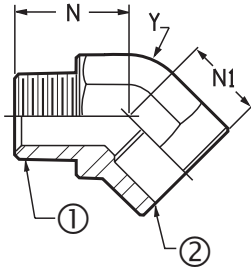
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

5503

Pipe Fittings Street Elbow



Reference
Aeroquip 2088
Parker Hose 3102
Parker Tube CD45
Weatherhead C3359
SAE 140339

Part No.	1 Male NPTF	2 Female NPTF	N Length	N1 Length	Y Flats	Operating Pressure
5503-02-02-4	1/8 - 27	1/8 - 27	0.72	0.47	9/16	6,000
5503-04-04-4	1/4 - 18	1/4 - 18	1.05	0.63	3/4	6,000
5503-06-06-4	3/8 - 18	3/8 - 18	1.06	0.72	7/8	4,500
5503-08-08-4	1/2 - 14	1/2 - 14	1.34	0.91	1 1/16	3,000
5503-12-12-4	3/4 - 14	3/4 - 14	1.38	0.97	1 5/16	3,000
5503-16-16-4	1 - 11 1/2	1 - 11 1/2	1.72	1.12	1 5/8	1,800
5503-20-20-4	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1.80	1.63	1 7/8	1,500
5503-24-24-4 #	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2.06	1.69	2 9/16	1,500

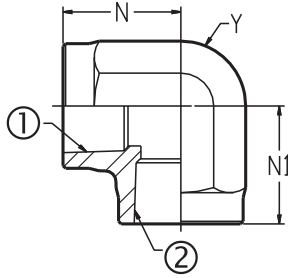
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

5504

Pipe Fittings Female Pipe Elbow



Reference
Aeroquip 2087
Parker Hose 2202
Parker Tube DD
Weatherhead C3509
SAE 140238

Part No.	1 Female NPTF	2 Female NPTF	N Length	N1 Length	Y Flats	Operating Pressure
5504-02-02-4	1/8 - 27	1/8 - 27	0.66	0.66	9/16	6,000
5504-04-02-4	1/4 - 18	1/8 - 27	0.88	0.67	3/4	6,000
5504-04-04-4	1/4 - 18	1/4 - 18	0.88	0.88	3/4	6,000
5504-06-04-4	3/8 - 18	1/4 - 18	1.02	1.01	7/8	4,500
5504-06-06-4	3/8 - 18	3/8 - 18	1.02	1.02	7/8	4,500
5504-08-04-4 #	1/2 - 14	1/4 - 18	1.23	1.00	1 1/16	3,000
5504-08-06-4	1/2 - 14	3/8 - 18	1.23	1.23	1 1/16	3,000
5504-08-08-4	1/2 - 14	1/2 - 14	1.23	1.23	1 1/16	3,000
5504-12-08-4 #	3/4 - 14	1/2 - 14	1.36	1.35	1 5/16	3,000
5504-12-12-4	3/4 - 14	3/4 - 14	1.36	1.36	1 5/16	3,000
5504-16-12-4 #	1 - 11 1/2	3/4 - 14	1.62	1.62	1 5/8	2,200
5504-16-16-4	1 - 11 1/2	1 - 11 1/2	1.62	1.62	1 5/8	2,200
5504-20-12-4 #	1 1/4 - 11 1/2	3/4 - 14	1.70	1.61	1 7/8	1,800
5504-20-20-4	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1.70	1.70	1 7/8	1,800
5504-24-24-4	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2.08	2.08	2 9/16	1,500
5504-32-32-4 #	2 - 11 1/2	2 - 11 1/2	2.39	2.39	2 13/16	1,200

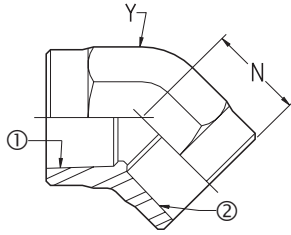
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

5505

Pipe Fittings Female Pipe Elbow



Reference
Parker Hose 4202
Parker Tube DD45
Weatherhead C3559
SAE 140338

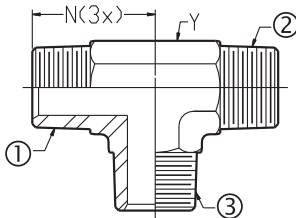
Part No.	1 Female NPTF	2 Female NPTF	N Length	Y Flats	Operating Pressure
5505-02-02-4 #	1/8 - 27	1/8 - 27	0.50	9/16	6,000
5505-04-04-4	1/4 - 18	1/4 - 18	0.69	3/4	6,000
5505-06-06-4	3/8 - 18	3/8 - 18	0.75	7/8	4,500
5505-08-08-4	1/2 - 14	1/2 - 14	0.94	1 1/16	3,000
5505-12-12-4	3/4 - 14	3/4 - 14	1.00	1 5/16	3,000
5505-16-16-4	1 - 11 1/2	1 - 11 1/2	1.19	1 5/8	1,800
5505-20-20-4 #	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1.44	1 7/8	1,800

Minimum Order Quantity May Apply.

4:1 Safety Factor

5600

Male Pipe Tee



Reference
Aeroquip 2257
Parker Tube RRS
SAE 514

Part No.	1-2-3 Male NPTF	N Length	Y Flats	Operating Pressure
5600-02-02-02-4 #	1/8 - 27	0.81	7/16	6,000
5600-04-04-04-4	1/4 - 18	1.09	9/16	6,000
5600-06-06-06-4	3/8 - 18	1.22	3/4	6,000
5600-08-08-08-4	1/2 - 14	1.47	7/8	6,000
5600-12-12-12-4	3/4 - 14	1.59	1 1/16	4,000
5600-16-16-16-4 #	1 - 11 1/2	1.97	1 5/16	3,000
5600-20-20-20-4 #	1 1/4 - 11 1/2	2.22	1 5/8	2,500

• Available in 316 Stainless Steel

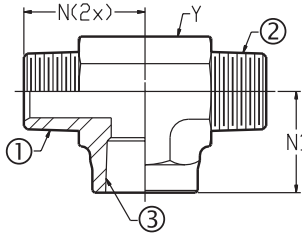
4:1 Safety Factor

Minimum Order Quantity May Apply.

5601

Pipe Fittings Female Pipe Branch Tee

Reference
Aeroquip 2256
SAE 514



Part No.	1-2 Male NPTF	3 Female NPTF	N Length	N1 Length	Y Flats	Operating Pressure
5601-02-02-02-4 #	1/8 - 27	1/8 - 27	0.78	0.66	9/16	6,000
5601-04-04-04-4	1/4 - 18	1/4 - 18	1.09	0.88	3/4	6,000
5601-06-06-06-4	3/8 - 18	3/8 - 18	1.22	1.02	7/8	4,500
5601-08-08-08-4	1/2 - 14	1/2 - 14	1.47	1.23	1 1/16	3,000
5601-12-12-12-4	3/4 - 14	3/4 - 14	1.59	1.36	1 5/16	3,000
5601-16-16-16-4 #	1 - 11 1/2	1 - 11 1/2	1.97	1.63	1 5/8	1,800
5601-20-20-20-4 #	1 1/4 - 11 1/2	1 1/4 - 11 1/2	2.38	1.70	1 7/8	1,500
5601-24-24-24-4 #	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2.64	2.08	2 1/2	1,800

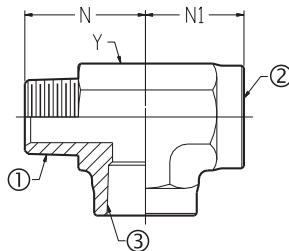
Minimum Order Quantity May Apply.

4:1 Safety Factor

5602

Street Tee

Reference
Aeroquip 2092
Parker Hose 012T
Parker Tube MRO
Weatherhead C3759
SAE 140424



Part No.	1 Male NPTF	2-3 Female NPTF	N Length	N1 Length	Y Flats	Operating Pressure
5602-02-02-02-4	1/8 - 27	1/8 - 27	0.78	0.66	9/16	6,000
5602-04-04-04-4	1/4 - 18	1/4 - 18	1.09	0.88	3/4	6,000
5602-06-06-06-4	3/8 - 18	3/8 - 18	1.22	1.02	7/8	4,500
5602-08-08-08-4	1/2 - 14	1/2 - 14	1.47	1.23	1 1/16	3,000
5602-12-12-12-4	3/4 - 14	3/4 - 14	1.59	1.38	1 5/16	3,000
5602-16-16-16-4	1 - 11 1/2	1 - 11 1/2	1.97	1.62	1 5/8	2,200
5602-20-20-20-4	1 1/4 - 11 1/2	1 1/4 - 11 1/2	2.38	1.70	1 7/8	1,800
5602-24-24-24-4 #	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2.64	2.08	2 9/16	1,500

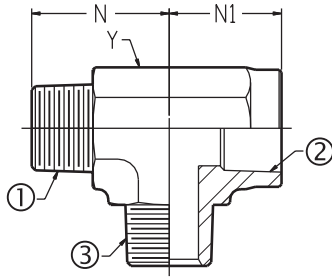
• Available in 316 Stainless Steel

4:1 Safety Factor

Minimum Order Quantity May Apply.

5603

Pipe Fittings Female Pipe Run Tee



Reference
Aeroquip 2093
Weatherhead C3805
SAE J514

Part No.	1-3 Male NPTF	2 Female NPTF	N Length	N1 Length	Y Flats	Operating Pressure
5603-02-02-02-4 #	1/8 - 27	1/8 - 27	0.78	0.66	9/16	6,000
5603-04-04-04-4	1/4 - 18	1/4 - 18	1.09	0.88	3/4	6,000
5603-06-06-06-4	3/8 - 18	3/8 - 18	1.22	1.02	7/8	4,500
5603-08-08-08-4	1/2 - 14	1/2 - 14	1.47	1.23	1 1/16	3,000
5603-12-12-12-4	3/4 - 14	3/4 - 14	1.59	1.36	1 5/16	3,000
5603-16-16-16-4	1 - 11 1/2	1 - 11 1/2	1.97	1.63	1 5/8	1,800
5603-24-24-24-4 #	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2.64	2.08	2 9/16	1,500

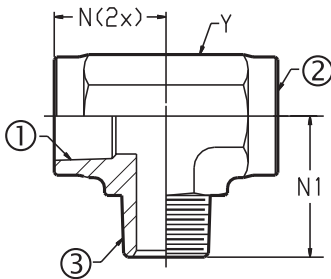
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

5604

Male Pipe Branch Tee



Reference
Aeroquip 2091
Parker Hose 212T
Parker Tube MMS
Weatherhead C3609
SAE 140425

Part No.	1 Female NPTF	2 Female NPTF	3 Male NPTF	N Length	N1 Length	Y Flats	Operating Pressure
5604-02-02-02-4	1/8 - 27	1/8 - 27	1/8 - 27	0.66	0.78	9/16	6,000
5604-04-04-04-4	1/4 - 18	1/4 - 18	1/4 - 18	0.88	1.09	3/4	6,000
5604-06-06-06-4	3/8 - 18	3/8 - 18	3/8 - 18	1.02	1.22	7/8	4,500
5604-08-08-08-4	1/2 - 14	1/2 - 14	1/2 - 14	1.23	1.47	1 1/16	3,000
5604-12-12-08-4 #	3/4 - 14	3/4 - 14	1/2 - 14	1.36	1.59	1 5/16	3,000
5604-12-12-12-4	3/4 - 14	3/4 - 14	3/4 - 14	1.36	1.59	1 5/16	3,000
5604-16-16-16-4	1 - 11 1/2	1 - 11 1/2	1 - 11 1/2	1.62	1.97	1 5/8	1,800
5604-20-20-20-4 #	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1.70	2.38	1 7/8	1,500
5604-24-24-24-4 #	1 1/2 - 11 1/2	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2.08	2.64	2 9/16	1,500

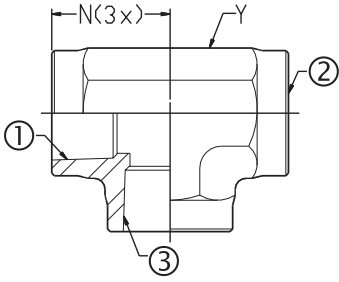
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

5605

Pipe Fittings Female Pipe Tee



Reference
 Aeroquip 2090
 Parker Hose 022T
 Parker Tube MMO
 Weatherhead C3709
 SAE 140438

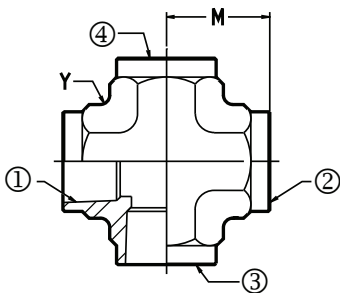
Part No.	1-2-3 Female NPTF	N Length	Y Flats	Operating Pressure
5605-02-02-02-4	1/8 - 27	0.66	9/16	6,000
5605-04-04-04-4	1/4 - 18	0.88	3/4	6,000
5605-06-06-06-4	3/8 - 18	1.02	7/8	4,500
5605-08-08-08-4	1/2 - 14	1.23	1 1/16	3,000
5605-12-12-12-4	3/4 - 14	1.36	1 5/16	3,000
5605-16-16-16-4	1 - 11 1/2	1.62	1 5/8	2,200
5605-20-20-20-4	1 1/4 - 11 1/2	1.70	1 7/8	1,800
5605-24-24-24-4	1 1/2 - 11 1/2	2.08	2 9/16	1,500
5605-32-32-32-4	2 - 11 1/2	2.39	2 13/16	1,200

• Available in 316 Stainless Steel

4:1 Safety Factor

5652

Female Pipe Cross

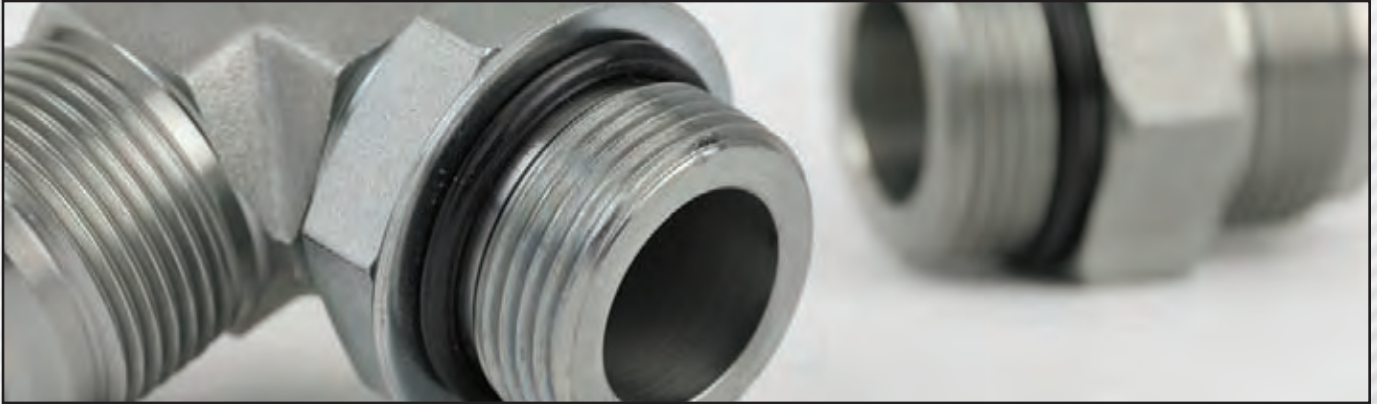


Reference
 Aeroquip 2080
 Parker Hose 022X
 Parker Tube KMM00
 Weatherhead C3959
 SAE J514

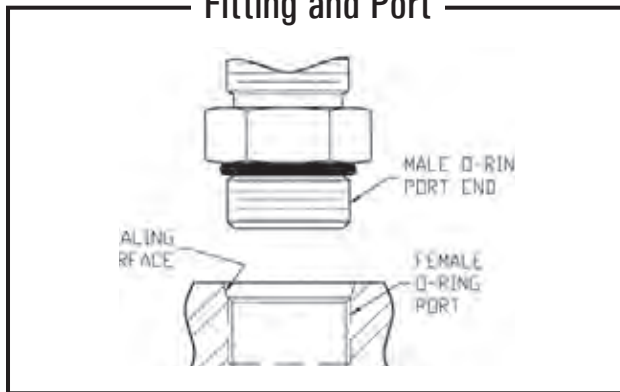
Part No.	1-2-3-4 Female NPTF	M Length	Y Flats	Operating Pressure
5652-02-02-02-02-4	1/8 - 27	0.66	9/16	6,000
5652-04-04-04-04-4	1/4 - 18	0.88	3/4	6,000
5652-06-06-06-06-4	3/8 - 18	1.02	7/8	4,500
5652-08-08-08-08-4	1/2 - 14	1.23	1 1/16	3,000
5652-12-12-12-12-4	3/4 - 14	1.36	1 5/16	3,000
5652-16-16-16-16-4	1 - 11 1/2	1.62	1 5/8	1,800

4:1 Safety Factor

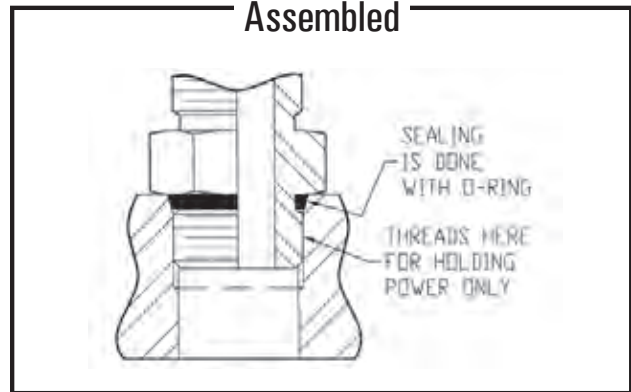
O-Ring Boss Fittings



Fitting and Port

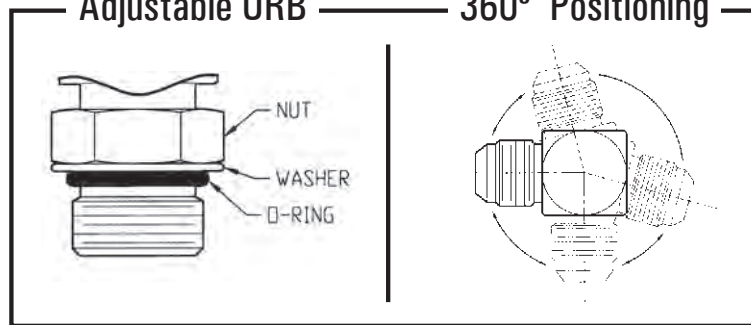


Assembled



Adjustable ORB

360° Positioning

































Pressure Connections uses a **90 durometer, Buna-N (Nitrile) O-ring**, with other compounds available upon request. The threads of the SAE straight thread O-Ring Boss (ORB) and the straight thread 37° JIC Flare are the same threads. The difference is the way each thread seals. While the JIC seals on a metal-to-metal flare, the ORB seals on an O-ring. This type of seal offers the best leak free connection, even if small nicks and dings are found on the sealing surfaces of the ports. This O-ring connection is highly recommended for medium and high pressure systems, and is excellent in vibration and/or temperature cycling environments. Since the seal takes place at the O-ring and not the threads, the fitting can be used multiple times. Simply replace the O-ring and it is ready for service again. Pressure Connections uses specially designed mandrels, or cones, to ensure that the threads never damage the o-ring during installation.

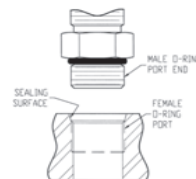
The **elbows and tees** have an **adjustable ORB thread** that allows **360° positioning** when tightening for an easy connection.

O-Ring Boss Fittings are dimensionally standardized by SAE under J514, but because of differing manufacturing methods, and interpretation of conformance, actual performance will vary between brands. This is where our Quality Assurance Department sets us apart from other manufacturers. Pressure Connections takes great pride in each fitting we sell. Standard material for our O-Ring Boss Fittings is steel with a RoHS compliant 96-hour salt spray finish that exceeds the SAE 72-hour salt spray requirement. For details about our Quality Assurance Program please reference the inside front cover of this catalog.

O-Ring Boss Fittings

 <p>6400 (070120) Pg. 115 Straight Thread Connector 1-MJ 2-MB</p>	 <p>6400L (071720) Pg. 117 Straight Thread Connector Long 1-MJ 2-MB</p>	 <p>6400R Pg. 118 RESTRICTOR Str. Thread Connector 1-MJ 2-MB</p>	 <p>6401 Pg. 119 Male ORB x Male Pipe 1-MB 2-MP</p>	 <p>6402 Pg. 120 Swivel Nut Adaptor 1-MB 2-FJX</p>	 <p>6404 Pg. 121 Female ORB x Male Pipe 1-FB 2-MP</p>	 <p>6405 Pg. 122 Male ORB x Male Pipe 1-MB 2-FP</p>	 <p>6407 Pg. 123 Male ORB Union 1-MB 2-MB (Adjustable)</p>	
 <p>6408 (090109A) Pg. 124 Hex Head ORB Plug 1-MB</p>	 <p>6409 (090109B) Pg. 125 Hex Socket ORB Plug 1-MB</p>	 <p>6410 Pg. 126 ORB Reducer-Expander 1-MB 2-FB</p>	 <p>6420 Pg. 128 Female ORB x Female Pipe 1-FB 2-FP</p>	 <p>6425 Pg. 128 Female ORB Union 1-FB 2-FB</p>	 <p>Our Symbol of Quality</p>			
 <p>6801 (070220) Pg. 141 Straight Thread Elbow 1-MJ 2-MB</p>	 <p>6801L (071520) Pg. 143 Str Thr Elbow Long 1-MJ 2-MB</p>	 <p>6801LL (071620) Pg. 144 Elbow Double Long 1-MJ 2-MB</p>	 <p>6801R Pg. 145 RESTRICTOR Straight Thread Elbow 1-MJ 2-MB</p>	 <p>6802 (070320) Pg. 146 Straight Thread Elbow 1-MJ 2-MB</p>	 <p>6803 (070429) Pg. 147 ORB Branch Tee 1-MJ 2-MJ 3-MB</p>	 <p>6804 (070428) Pg. 148 ORB Run Tee 1-MJ 2-MB 3-MJ</p>	 <p>6805 Pg. 149 ORB Female Elbow 1-MB 2-FP</p>	
 <p>6805LL Pg. 149 Double Long 1-MB 2-FP</p>	 <p>6806 Pg. 150 ORB Male Elbow 1-MB 2-MP</p>	 <p>6807 Pg. 150 ORB Union Elbow 1-MB 2-MB</p>	 <p>6809 Pg. 151 Swivel Nut Elbow 1-MB 2-FJX</p>	 <p>6815 Pg. 151 Straight Thread Elbow 1-MB 2-FB</p>	 <p>6900 (140157) Pg. 152 MB x NPSM Swivel 1-MB 2-FPX</p>	 <p>6901 (140257) Pg. 153 MB x NPSM Elbow 1-MB 2-FPX</p>	 <p>6902 (140357) Pg. 154 MB x NPSM Elbow 1-MB 2-FPX</p>	

The O-Ring Boss and the 37° JIC Flare use the same threads. The difference is the way each thread seals. While the JIC seals on a metal-to-metal flare, the ORB seals on an O-Ring. We use a 90 durometer, Buna-N (Nitrile) O-Ring with Viton® as an option. An O-ring seal offers the best leak free connection. Viton® is a Registered Trademark of DuPont™



● Available in 316 Stainless Steel

O-Ring Boss Torque Values

Size lb-ft min./max.

-02	=	6-7
-03	=	8-10
-04	=	13-15
-05	=	17-21
-06	=	22-25
-08	=	40-43
-10	=	43-57
-12	=	68-75
-14	=	90-99
-16	=	112-123
-20	=	146-200
-24	=	154-215
-32	=	218-290

O-Ring Boss Assembly

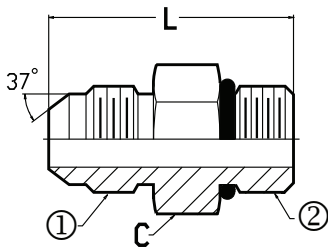
1. Inspect the components and make sure the port, O-ring, sealing surfaces, and threads are clean, and free of damage.
2. **Install an O-ring** if needed. Take special care not to cut it on the threads. We install our O-rings with special mandrels, or cones.
3. **Lubricate** the threads and O-ring with 10W hydraulic oil.
4. For an adjustable ORB, completely **back off the locknut / washer**.
5. **Hand tighten** the fitting until it contacts the port spotface.
6. Proceed to **tighten** the proper specified torque value.

This completes an O-Ring Boss connection.

● For Stainless Use Maximum Torque Values.

6400

O-Ring Boss Fittings Straight Thread Connector



Reference
Aeroquip 202702
Parker Hose 0503
Parker Tube F50X
Weatherhead C5315
SAE 070120

Part No.	Tube O.D.	1 Male JIC	2 Male ORB	C Hex	L Length	Operating Pressure
6400-02-02	1/8	5/16 - 24	5/16 - 24	7/16	1.06	7,500
6400-03-03	3/16	3/8 - 24	3/8 - 24	1/2	1.10	7,500
6400-04-02	1/4	7/16 - 20	5/16 - 24	9/16	1.17	7,500
6400-04-03	1/4	7/16 - 20	3/8 - 24	9/16	1.17	7,500
6400-04-04	1/4	7/16 - 20	7/16 - 20	9/16	1.23	7,500
6400-04-05	1/4	7/16 - 20	1/2 - 20	5/8	1.23	6,000
6400-04-06	1/4	7/16 - 20	9/16 - 18	11/16	1.29	6,000
6400-04-08	1/4	7/16 - 20	3/4 - 16	7/8	1.37	6,000
6400-04-10	1/4	7/16 - 20	7/8 - 14	1"	1.49	5,000
6400-04-12	1/4	7/16 - 20	1 1/16 - 12	1 1/4	1.66	5,000
6400-05-04	5/16	1/2 - 20	7/16 - 20	9/16	1.23	6,000
6400-05-05	5/16	1/2 - 20	1/2 - 20	5/8	1.23	6,000
6400-05-06	5/16	1/2 - 20	9/16 - 18	11/16	1.27	6,000
6400-05-08 #	5/16	1/2 - 20	3/4 - 16	7/8	1.37	6,000
6400-05-10 #	5/16	1/2 - 20	7/8 - 14	1"	1.49	5,000
6400-06-04	3/8	9/16 - 18	7/16 - 20	5/8	1.27	6,000
6400-06-05	3/8	9/16 - 18	1/2 - 20	5/8	1.27	6,000
6400-06-06	3/8	9/16 - 18	9/16 - 18	11/16	1.30	6,000
6400-06-08	3/8	9/16 - 18	3/4 - 16	7/8	1.38	6,000
6400-06-10	3/8	9/16 - 18	7/8 - 14	1"	1.50	5,000
6400-06-12	3/8	9/16 - 18	1 1/16 - 12	1 1/4	1.66	5,000
6400-06-16	3/8	9/16 - 18	1 5/16 - 12	1 1/2	1.68	4,500
6400-08-04	1/2	3/4 - 16	7/16 - 20	13/16	1.49	6,000
6400-08-05 #	1/2	3/4 - 16	1/2 - 20	13/16	1.49	6,000
6400-08-06	1/2	3/4 - 16	9/16 - 18	13/16	1.44	6,000
6400-08-08	1/2	3/4 - 16	3/4 - 16	7/8	1.48	6,000
6400-08-10	1/2	3/4 - 16	7/8 - 14	1"	1.60	5,000
6400-08-12	1/2	3/4 - 16	1 1/16 - 12	1 1/4	1.76	5,000
6400-08-16	1/2	3/4 - 16	1 5/16 - 12	1 1/2	1.79	4,500
6400-10-06	5/8	7/8 - 14	9/16 - 18	15/16	1.71	5,000
6400-10-08	5/8	7/8 - 14	3/4 - 16	15/16	1.64	5,000
6400-10-10	5/8	7/8 - 14	7/8 - 14	1"	1.70	5,000
6400-10-12	5/8	7/8 - 14	1 1/16 - 12	1 1/4	1.86	5,000
6400-10-14 #	5/8	7/8 - 14	1 3/16 - 12	1 3/8	1.86	5,000
6400-10-16	5/8	7/8 - 14	1 5/16 - 12	1 1/2	1.89	4,500
6400-10-20 #	5/8	7/8 - 14	1 5/8 - 12	1 7/8	2.08	4,000
6400-12-06	3/4	1 1/16 - 12	9/16 - 18	1 1/4	1.86	5,000

• Available in 316 Stainless Steel

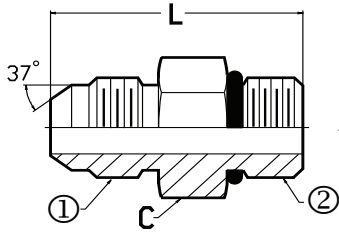
Continued on next page.

4:1 Safety Factor

Minimum Order Quantity May Apply.

PRESSURE CONNECTIONS CORP.

Reference
Aeroquip 202702
Parker Hose 0503
Parker Tube F50X
Weatherhead C5315
SAE 070120



Continued from previous page.

Part No.	Tube O.D.	1 Male JIC	2 Male ORB	C Hex	L Length	Operating Pressure
6400-12-08	3/4	1 1/16 - 12	3/4 - 16	1 1/8	1.94	5,000
6400-12-10	3/4	1 1/16 - 12	7/8 - 14	1 1/8	1.88	5,000
6400-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.97	5,000
6400-12-14	3/4	1 1/16 - 12	1 3/16 - 12	1 3/8	1.96	5,000
6400-12-16	3/4	1 1/16 - 12	1 5/16 - 12	1 1/2	1.99	4,500
6400-12-20	3/4	1 1/16 - 12	1 5/8 - 12	1 7/8	2.08	4,000
6400-14-12 #	7/8	1 3/16 - 12	1 1/16 - 12	1 1/4	1.99	5,000
6400-14-14	7/8	1 3/16 - 12	1 3/16 - 12	1 3/8	1.99	5,000
6400-14-16 #	7/8	1 3/16 - 12	1 5/16 - 12	1 1/2	2.02	4,500
6400-16-08	1"	1 5/16 - 12	3/4 - 16	1 3/8	2.01	4,500
6400-16-10	1"	1 5/16 - 12	7/8 - 14	1 3/8	2.07	4,500
6400-16-12	1"	1 5/16 - 12	1 1/16 - 12	1 3/8	2.04	4,500
6400-16-14	1"	1 5/16 - 12	1 3/16 - 12	1 3/8	2.04	4,500
6400-16-16	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	2.04	4,500
6400-16-20	1"	1 5/16 - 12	1 5/8 - 12	1 7/8	2.12	3,000
6400-16-24	1"	1 5/16 - 12	1 7/8 - 12	2 1/8	2.20	4,000
6400-20-10 #	1 1/4	1 5/8 - 12	7/8 - 14	1 11/16	2.20	4,000
6400-20-12	1 1/4	1 5/8 - 12	1 1/16 - 12	1 11/16	2.30	4,000
6400-20-16	1 1/4	1 5/8 - 12	1 5/16 - 12	1 11/16	2.33	4,000
6400-20-20	1 1/4	1 5/8 - 12	1 5/8 - 12	1 7/8	2.17	4,000
6400-20-24	1 1/4	1 5/8 - 12	1 7/8 - 12	2 1/8	2.24	3,000
6400-24-16 #	1 1/2	1 7/8 - 12	1 5/16 - 12	2"	2.53	3,000
6400-24-20	1 1/2	1 7/8 - 12	1 5/8 - 12	2"	2.53	3,000
6400-24-24	1 1/2	1 7/8 - 12	1 7/8 - 12	2 1/8	2.37	3,000
6400-24-32	1 1/2	1 7/8 - 12	2 1/2 - 12	2 3/4	2.53	2,000
6400-32-24	2"	2 1/2 - 12	1 7/8 - 12	2 5/8	2.74	2,000
6400-32-32	2"	2 1/2 - 12	2 1/2 - 12	2 3/4	2.78	2,000

• Available in **316 Stainless Steel**

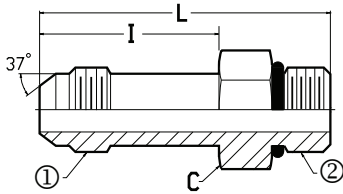
4:1 Safety Factor

#" Minimum Order Quantity May Apply.

6400L

O-Ring Boss Fittings Straight Thread Conn Long

Reference
Aeroquip 202713
Parker Hose 5E03
Parker Tube FF50X
Weatherhead C5316
SAE 070120



Part No.	Tube O.D.	1 Male JIC	2 Male ORB	C Hex	I Length	L Length	Operating Pressure
6400L-04-04	1/4	7/16 - 20	7/16 - 20	9/16	1.39	2.08	7,500
6400L-05-05 #	5/16	1/2 - 20	1/2 - 20	5/8	1.45	2.14	6,000
6400L-06-06	3/8	9/16 - 18	9/16 - 18	11/16	1.56	2.31	6,000
6400L-06-08	3/8	9/16 - 18	3/4 - 16	7/8	1.82	2.60	6,000
6400L-08-08	1/2	3/4 - 16	3/4 - 16	7/8	1.88	2.70	6,000
6400L-10-10	5/8	7/8 - 14	7/8 - 14	1"	2.09	3.04	5,000
6400L-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	2.50	3.61	5,000
6400L-14-14 #	7/8	1 3/16 - 12	1 3/16 - 12	1 3/8	2.69	3.80	4,500
6400L-16-16	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	2.84	3.98	4,000
6400L-20-20 #	1 1/4	1 5/8 - 12	1 5/8 - 12	1 7/8	3.47	4.69	3,000
6400L-24-24 #	2"	1 7/8 - 12	1 7/8 - 12	2 1/8	_____	5.17	3,000

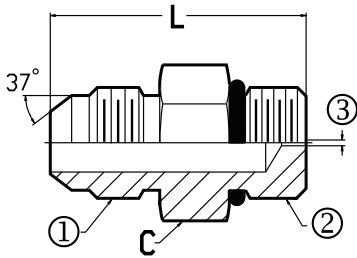
Minimum Order Quantity May Apply.

4:1 Safety Factor

6400R

O-Ring Boss Fittings Straight Thread Connector RESTRICTOR

Reference
SAE J514



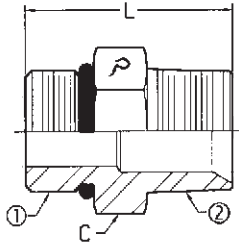
Part No.	Tube O.D.	1 Male JIC	2 Male ORB	3 Orifice	C Hex	L Length	Operating Pressure
6400R-04-04-.000 #	1/4	7/16 - 20	7/16 - 20	Blank	9/16	1.23	7,500
6400R-04-04-.031 #	1/4	7/16 - 20	7/16 - 20	1/32	9/16	1.23	7,500
6400R-04-04-.042	1/4	7/16 - 20	7/16 - 20	#58	9/16	1.23	7,500
6400R-04-04-.062	1/4	7/16 - 20	7/16 - 20	1/16	9/16	1.23	7,500
6400R-04-06-.031	1/4	7/16 - 20	9/16 - 18	1/32	11/16	1.29	6,000
6400R-04-06-.042 #	1/4	7/16 - 20	9/16 - 18	#58	11/16	1.29	6,000
6400R-04-06-.046 #	1/4	7/16 - 20	9/16 - 18	#56	11/16	1.29	6,000
6400R-04-06-.062 #	1/4	7/16 - 20	9/16 - 18	1/16	11/16	1.29	6,000
6400R-06-06-.000 #	3/8	9/16 - 18	9/16 - 18	Blank	11/16	1.30	6,000
6400R-06-06-.031	3/8	9/16 - 18	9/16 - 18	1/32	11/16	1.30	6,000
6400R-06-06-.045 #	3/8	9/16 - 18	9/16 - 18	1.15mm	11/16	1.30	6,000
6400R-06-06-.052	3/8	9/16 - 18	9/16 - 18	#55	11/16	1.30	6,000
6400R-06-06-.062	3/8	9/16 - 18	9/16 - 18	1/16	11/16	1.30	6,000
6400R-06-06-.078	3/8	9/16 - 18	9/16 - 18	5/64	11/16	1.30	6,000
6400R-06-08-.000	3/8	9/16 - 18	3/4 - 16	Blank	7/8	1.38	6,000
6400R-06-08-.031	3/8	9/16 - 18	3/4 - 16	1/32	7/8	1.38	6,000
6400R-06-08-.035 #	3/8	9/16 - 18	3/4 - 16	#65	7/8	1.38	6,000
6400R-06-08-.055	3/8	9/16 - 18	3/4 - 16	#54	7/8	1.38	6,000
6400R-06-08-.062	3/8	9/16 - 18	3/4 - 16	1/16	7/8	1.38	6,000
6400R-06-08-.082 #	3/8	9/16 - 18	3/4 - 16	#45	7/8	1.38	6,000
6400R-06-08-.125	3/8	9/16 - 18	3/4 - 16	1/8	7/8	1.38	6,000
6400R-08-08-.000 #	1/2	3/4 - 16	3/4 - 16	Blank	7/8	1.48	6,000
6400R-08-08-.031 #	1/2	3/4 - 16	3/4 - 16	1/32	7/8	1.48	6,000
6400R-08-08-.062	1/2	3/4 - 16	3/4 - 16	1/16	7/8	1.48	6,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

6401

O-Ring Boss Fittings Male O-Ring Boss x Male Pipe



Reference
Parker Tube F50F
Weatherhead C3249
SAE J514

Part No.	Tube O.D.	1 Male ORB	2 Male NPTF	C Hex	L Length	Operating Pressure
6401-04-02		7/16 - 20	1/8 - 27	9/16	1.04	6,000
6401-04-04		7/16 - 20	1/4 - 18	9/16	1.24	6,000
6401-05-02 #		1/2 - 20	1/8 - 27	5/8	1.02	6,000
6401-05-04		1/2 - 20	1/4 - 18	5/8	1.20	6,000
6401-06-02 #		9/16 - 18	1/8 - 27	11/16	1.04	6,000
6401-06-04		9/16 - 18	1/4 - 18	11/16	1.28	6,000
6401-06-06		9/16 - 18	3/8 - 18	3/4	1.22	6,000
6401-06-08		9/16 - 18	1/2 - 14	7/8	1.53	6,000
6401-08-04		3/4 - 16	1/4 - 18	7/8	1.38	6,000
6401-08-06		3/4 - 16	3/8 - 18	7/8	1.36	6,000
6401-08-08		3/4 - 16	1/2 - 14	7/8	1.56	6,000
6401-08-12		3/4 - 16	3/4 - 14	1 1/8	1.78	5,500
6401-10-06		7/8 - 14	3/8 - 18	1"	1.46	6,000
6401-10-08		7/8 - 14	1/2 - 14	1"	1.56	6,000
6401-10-12		7/8 - 14	3/4 - 14	1 1/8	1.64	5,000
6401-12-06		1 1/16 - 12	3/8 - 18	1 1/8	1.55	5,000
6401-12-08 #		1 1/16 - 12	1/2 - 14	1 1/4	1.84	5,000
6401-12-12		1 1/16 - 12	3/4 - 14	1 1/4	1.73	5,000
6401-12-16		1 1/16 - 12	1 - 11 1/2	1 3/8	2.02	4,500
6401-14-12 #		1 3/16 - 12	3/4 - 14	1 1/4	1.73	4,500
6401-16-12		1 5/16 - 12	3/4 - 14	1 1/2	1.95	4,500
6401-16-16		1 5/16 - 12	1 - 11 1/2	1 1/2	2.05	4,500
6401-20-20		1 5/8 - 12	1 1/4 - 11 1/2	1 7/8	2.18	3,000
6401-24-16 #		1 7/8 - 12	1 - 11 1/2	2 1/8	2.20	3,000
6401-24-24		1 7/8 - 12	1 1/2 - 11 1/2	2 1/8	2.28	2,000
6401-32-32		2 1/2 - 12	2 - 11 1/2	2 3/4	2.26	2,000

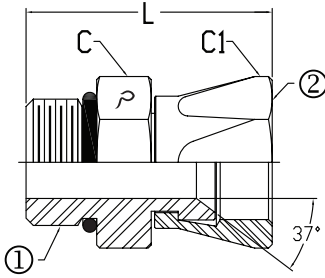
• Available in 316 Stainless Steel

4:1 Safety Factor

Minimum Order Quantity May Apply.

6402

O-Ring Boss Fittings Male O-Ring Boss x Female JIC Swivel



Reference
Aeroquip 2266
Parker Tube F650X
Weatherhead C5216
SAE J514

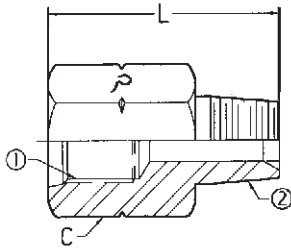
Part No.	Tube O.D.	1 Male ORB	2 Female JIC Swivel	C Body Hex	C1 Nut Hex	L Length	Operating Pressure
6402-04-04	1/4	7/16 - 20	7/16 - 20	9/16	9/16	1.32	7,500
6402-04-06	3/8	7/16 - 20	9/16 - 18	9/16	11/16	1.41	6,000
6402-06-04	1/4	9/16 - 18	7/16 - 20	11/16	9/16	1.37	6,000
6402-06-06	3/8	9/16 - 18	9/16 - 18	11/16	11/16	1.50	6,000
6402-06-08	1/2	9/16 - 18	3/4 - 16	3/4	7/8	1.60	5,000
6402-08-06	3/8	3/4 - 16	9/16 - 18	7/8	11/16	1.57	5,000
6402-08-08	1/2	3/4 - 16	3/4 - 16	7/8	7/8	1.66	5,000
6402-10-08	1/2	7/8 - 14	3/4 - 16	1"	7/8	1.76	5,000
6402-10-10	5/8	7/8 - 14	7/8 - 14	1"	1"	1.98	5,000
6402-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1 1/4	2.07	5,000
6402-16-12	3/4	1 5/16 - 12	1 1/16 - 12	1 1/2	1 1/4	2.19	3,600
6402-16-16	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1 1/2	2.22	3,600
6402-20-20	1 1/4	1 5/8 - 12	1 5/8 - 12	1 7/8	2"	2.62	3,000
6402-24-24	1 1/2	1 7/8 - 12	1 7/8 - 12	2 1/8	2 1/4	2.77	3,000

• Available in **316 Stainless Steel**

4:1 Safety Factor

6404

O-Ring Boss Fittings Female O-Ring Boss x Male Pipe



Reference
Aeroquip 2246
Parker Tube FHG5
Weatherhead C3239
SAE J514

Part No.	Tube O.D.	1 Female ORB	2 Male NPTF	C Hex	L Length	Operating Pressure
6404-04-02	1/4	7/16 - 20	1/8 - 27	11/16	1.15	6,000
6404-04-04	1/4	7/16 - 20	1/4 - 18	11/16	1.34	6,000
6404-05-02 #	5/16	1/2 - 20	1/8 - 27	3/4	1.14	6,000
6404-06-04	3/8	9/16 - 18	1/4 - 18	3/4	1.33	6,000
6404-06-06	3/8	9/16 - 18	3/8 - 18	7/8	1.38	6,000
6404-06-08	3/8	9/16 - 18	1/2 - 14	7/8	1.44	6,000
6404-08-06	1/2	3/4 - 16	3/8 - 18	1"	1.50	5,000
6404-08-08	1/2	3/4 - 16	1/2 - 14	1"	1.64	5,000
6404-10-06 #	5/8	7/8 - 14	3/8 - 18	1 1/4	1.63	4,500
6404-10-08	5/8	7/8 - 14	1/2 - 14	1 1/4	1.81	4,500
6404-12-12	3/4	1 1/16 - 12	3/4 - 14	1 3/8	1.97	4,500
6404-12-16 #	3/4	1 1/16 - 12	1 - 11 1/2	1 7/8	2.02	4,500
6404-16-12 #	1"	1 5/16 - 12	3/4 - 14	1 7/8	1.99	3,500
6404-16-16	1"	1 5/16 - 12	1 - 11 1/2	1 7/8	2.16	3,500
6404-16-20 #	1"	1 5/16 - 12	1 1/4 - 11 1/2	1 11/16	2.23	3,000
6404-20-20 #	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	2"	2.25	3,000
6404-24-24 #	1 1/2	1 7/8 - 12	1 1/2 - 11 1/2	2 1/4	2.28	2,000

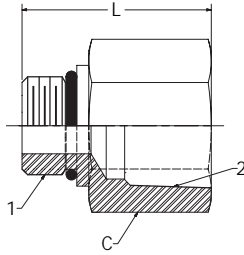
Minimum Order Quantity May Apply.

4:1 Safety Factor

6405

O-Ring Boss Fittings Male O-Ring Boss x Female Pipe

Reference
Aeroquip 2216
Parker Hose 0502
Parker Tube F50G
Weatherhead C3269
SAE J514



Part No.	1 Male ORB	2 Female NPTF	C Hex	L Length	Operating Pressure
6405-04-02	7/16 - 20	1/8 - 27	9/16	1.00	6,000
6405-04-04 #	7/16 - 20	1/4 - 18	3/4	1.23	6,000
6405-04-06 # #Expander	7/16 - 20	3/8 - 18	7/8	1.28	6,000
6405-05-02	1/2 - 20	1/8 - 27	5/8	0.93	6,000
6405-05-04 #	1/2 - 20	1/4 - 18	3/4	1.21	6,000
6405-06-02	9/16 - 18	1/8 - 27	11/16	1.00	6,000
6405-06-04 #	9/16 - 18	1/4 - 18	3/4	1.22	6,000
6405-06-06 #	9/16 - 18	3/8 - 18	7/8	1.28	6,000
6405-06-08 # #Expander	9/16 - 18	1/2 - 14	1 1/8	1.56	5,000
6405-08-04	3/4 - 16	1/4 - 18	7/8	1.21	6,000
6405-08-06	3/4 - 16	3/8 - 18	7/8	1.28	6,000
6405-08-08 #	3/4 - 16	1/2 - 14	1 1/8	1.59	5,000
6405-08-12 # #Expander	3/4 - 16	3/4 - 14	1 3/8	1.72	4,000
6405-10-04	7/8 - 14	1/4 - 18	1"	0.81	5,000
6405-10-06	7/8 - 14	3/8 - 18	1"	1.31	5,000
6405-10-08 #	7/8 - 14	1/2 - 14	1 1/8	1.61	5,000
6405-10-12 # #Expander	7/8 - 14	3/4 - 14	1 3/8	1.71	4,000
6405-12-04 #	1 1/16 - 12	1/4 - 18	1 1/4	1.00	5,000
6405-12-06	1 1/16 - 12	3/8 - 18	1 1/4	1.50	5,000
6405-12-08	1 1/16 - 12	1/2 - 14	1 1/4	1.64	5,000
6405-12-12	1 1/16 - 12	3/4 - 14	1 3/8	1.75	4,000
6405-12-16 #	1 1/16 - 12	1 - 11 1/2	1 5/8	2.05	3,000
6405-14-08	1 3/16 - 12	1/2 - 14	1 3/8	1.52	5,000
6405-14-12	1 3/16 - 12	3/4 - 14	1 3/8	1.69	4,000
6405-16-04 #	1 5/16 - 12	1/4 - 18	1 1/2	1.10	4,000
6405-16-06	1 5/16 - 12	3/8 - 18	1 1/2	1.13	4,000
6405-16-08	1 5/16 - 12	1/2 - 14	1 1/2	1.64	4,000
6405-16-12	1 5/16 - 12	3/4 - 14	1 1/2	1.64	4,000
6405-16-16	1 5/16 - 12	1 - 11 1/2	1 5/8	1.99	3,000
6405-16-20 # #Expander	1 5/16 - 12	1 1/4 - 11 1/2	2"	2.15	2,500
6405-20-12	1 5/8 - 12	3/4 - 14	1 7/8	1.00	3,000
6405-20-16	1 5/8 - 12	1 - 11 1/2	1 7/8	1.00	3,000
6405-20-20 #	1 5/8 - 12	1 1/4 - 11 1/2	2"	2.00	2,500
6405-20-24 # #Expander	1 5/8 - 12	1 1/2 - 11 1/2	2 3/8	2.30	2,500
6405-24-12 #	1 7/8 - 12	3/4 - 14	2 1/8	1.00	3,000
6405-24-16	1 7/8 - 12	1 - 11 1/2	2 1/8	1.00	3,000

• Available in **316 Stainless Steel**

* This part has a Step (Shoulder) Shown Above.

Continued on next page.

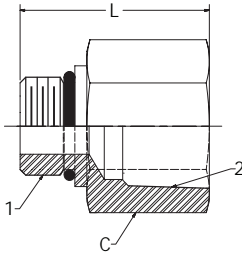
4:1 Safety Factor

#" Minimum Order Quantity May Apply.

6405

O-Ring Boss Fittings Male O-Ring Boss x Female Pipe

Reference
Aeroquip 2216
Parker Hose 0502
Parker Tube F50G
Weatherhead C3269
SAE J514



Continued from previous page.

Part No.	1 Male ORB	2 Female NPTF	C Hex	L Length	Operating Pressure
6405-24-20	1 7/8 - 12	1 1/4 - 11 1/2	2 1/8	1.94	3,000
6405-24-24	1 7/8 - 12	1 1/2 - 11 1/2	2 3/8	2.16	2,500
6405-32-20 #	2 1/2 - 12	1 1/4 - 11 1/2	2 3/4	2.00	2,000
6405-32-24	2 1/2 - 12	1 1/2 - 11 1/2	2 3/4	2.00	2,000
6405-32-32 #	2 1/2 - 12	2 - 11 1/2	2 7/8	2.10	2,000

• Available in **316 Stainless Steel**

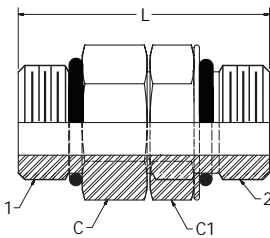
4:1 Safety Factor

Minimum Order Quantity May Apply.

6407

Male O-Ring Boss Union

Reference
Parker Hose 0505
Parker Tube F50HA0
Weatherhead C5314
SAE J514



Part No.	1 Male ORB	2 Male ORB	C Body Hex	C1 Nut Hex	L Length	Operating Pressure
6407-04-04	7/16 - 20	7/16 - 20	9/16	9/16	1.46	6,000
6407-06-06	9/16 - 18	9/16 - 18	11/16	11/16	1.41	6,000
6407-08-08	3/4 - 16	3/4 - 16	7/8	7/8	1.56	6,000
6407-10-10	7/8 - 14	7/8 - 14	1"	1"	2.04	5,000
6407-12-12	1 1/16 - 12	1 1/16 - 12	1 1/4	1 1/4	2.34	5,000
6407-16-16	1 5/16 - 12	1 5/16 - 12	1 1/2	1 1/2	2.36	4,000
6407-20-20	1 5/8 - 12	1 5/8 - 12	1 7/8	1 7/8	2.32	4,000
6407-24-24	1 7/8 - 12	1 7/8 - 12	2 1/8	2 1/8	2.42	3,000
6407-32-32 #	2 1/2 - 12	2 1/2 - 12	2 3/4	2 3/4	2.13	2,000

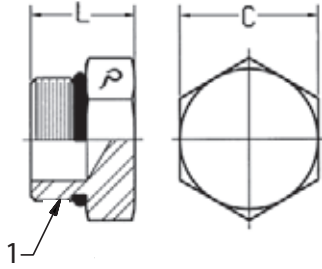
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

6408

O-Ring Boss Fittings Hex Head O-Ring Boss Plug



Reference
 Aeroquip 900598
 Parker Hose O5CP
 Parker Tube P50N
 Weatherhead C7237
 SAE 090109A

Part No.	1 Male ORB	C Hex	L Length	Operating Pressure
6408-02	5/16 - 24	7/16	0.60	7,500
6408-03	3/8 - 24	1/2	0.60	7,500
6408-04	7/16 - 20	9/16	0.67	7,500
6408-05	1/2 - 20	5/8	0.67	6,000
6408-06	9/16 - 18	11/16	0.73	6,000
6408-08	3/4 - 16	7/8	0.80	6,000
6408-10	7/8 - 14	1"	0.93	6,000
6408-12	1 1/16 - 12	1 1/4	1.09	6,000
6408-14	1 3/16 - 12	1 3/8	1.09	5,500
6408-16	1 5/16 - 12	1 1/2	1.12	5,500
6408-20	1 5/8 - 12	1 7/8	1.20	4,000
6408-24	1 7/8 - 12	2 1/8	1.27	3,000
6408-32	2 1/2 - 12	2 3/4	1.43	2,000

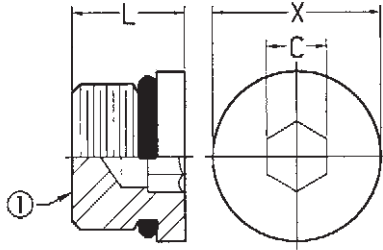
Available with Viton® o-ring, add suffix "V" (6408-02V).

4:1 Safety Factor

- Available in **316 Stainless Steel**

6409

O-Ring Boss Fittings Hex Socket O-Ring Boss Plug



Reference
 Aeroquip FF2138
 Parker Hose O5HP
 Parker Tube HP50N
 Weatherhead C7238
 SAE 090109B

Part No.	1 Male ORB	C Hex Socket	L Length	X Diameter	Operating Pressure
6409-02	5/16 - 24	1/8	0.41	7/16	6,000
6409-03	3/8 - 24	1/8	0.41	1/2	6,000
6409-04	7/16 - 20	3/16	0.48	9/16	6,000
6409-05	1/2 - 20	3/16	0.48	5/8	6,000
6409-06	9/16 - 18	1/4	0.51	11/16	6,000
6409-08	3/4 - 16	5/16	0.59	7/8	6,000
6409-10	7/8 - 14	3/8	0.66	1"	6,000
6409-12	1 1/16 - 12	9/16	0.78	1 1/4	6,000
6409-14	1 3/16 - 12	9/16	0.78	1 3/8	5,500
6409-16	1 5/16 - 12	5/8	0.78	1 1/2	5,500
6409-20	1 5/8 - 12	3/4	0.78	1 7/8	4,000
6409-24	1 7/8 - 12	3/4	0.78	2 1/8	3,000
6409-32	2 1/2 - 12	3/4	0.78	2 3/4	2,000

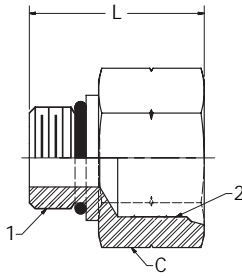
Available with Viton® o-ring, add suffix "V" (6409-02V).

4:1 Safety Factor

- Available in **316 Stainless Steel**

6410

O-Ring Boss Fittings O-Ring Boss Reducer-Expander



Reference
Aeroquip FF1010
Parker Hose 0510
Parker Tube F50G5
Weatherhead C7033
SAE J514

Part No.	1 Male ORB	2 Female ORB	C Hex	L Length	Operating Pressure
6410-02-04 #	5/16 - 24	7/16 - 20	11/16	1.03	7,500
6410-04-04 #	7/16 - 20	7/16 - 20	11/16	1.08	7,500
6410-04-06 #Expander	7/16 - 20	9/16 - 18	13/16	1.19	6,000
6410-05-04 #	1/2 - 20	7/16 - 20	11/16	1.07	6,000
6410-06-04	9/16 - 18	7/16 - 20	11/16	1.05	6,000
6410-06-06 #	9/16 - 18	9/16 - 18	13/16	1.18	6,000
6410-06-08 # #Expander	9/16 - 18	3/4 - 16	1"	1.38	4,000
6410-08-04	3/4 - 16	7/16 - 20	7/8	0.79	6,000
6410-08-06	3/4 - 16	9/16 - 18	7/8	1.19	6,000
6410-08-08 #	3/4 - 16	3/4 - 16	1"	1.39	4,000
6410-08-10 # #Expander	3/4 - 16	7/8 - 14	1 1/8	1.58	5,000
6410-08-12 # #Expander	3/4 - 16	1 1/16 - 12	1 3/8	1.70	3,000
6410-10-04	7/8 - 14	7/16 - 20	1"	0.81	5,000
6410-10-06	7/8 - 14	9/16 - 18	1"	0.81	5,000
6410-10-08	7/8 - 14	3/4 - 16	1"	1.38	5,000
6410-10-12 # #Expander	7/8 - 14	1 1/16 - 12	1 3/8	1.71	4,500
6410-12-04	1 1/16 - 12	7/16 - 20	1 1/4	1.07	5,000
6410-12-06	1 1/16 - 12	9/16 - 18	1 1/4	1.07	5,000
6410-12-08	1 1/16 - 12	3/4 - 16	1 1/4	1.09	5,000
6410-12-10	1 1/16 - 12	7/8 - 14	1 1/4	1.56	5,000
6410-12-12 #	1 1/16 - 12	1 1/16 - 12	1 3/8	1.77	3,000
6410-12-16 # #Expander	1 1/16 - 12	1 5/16 - 12	1 5/8	1.83	3,500
6410-14-06 #	1 3/16 - 12	9/16 - 18	1 3/8	1.08	4,500
6410-14-10 #	1 3/16 - 12	7/8 - 14	1 3/8	1.56	3,500
6410-14-12	1 3/16 - 12	1 1/16 - 12	1 3/8	1.83	3,500
6410-14-16 # #Expander	1 3/16 - 12	1 5/16 - 12	1 5/8	1.83	3,500
6410-16-08	1 5/16 - 12	3/4 - 16	1 1/2	1.12	4,500
6410-16-10 #	1 5/16 - 12	7/8 - 14	1 1/2	1.12	4,500
6410-16-12	1 5/16 - 12	1 1/16 - 12	1 1/2	1.72	4,500
6410-16-14 #	1 5/16 - 12	1 3/16 - 12	1 1/2	1.74	3,000
6410-16-16 #	1 5/16 - 12	1 5/16 - 12	1 5/8	1.78	3,500
6410-16-20 # #Expander	1 5/16 - 12	1 5/8 - 12	2 1/8	2.13	2,000
6410-16-24 # #Expander	1 5/16 - 12	1 7/8 - 12	2 1/2	2.12	3,000

* This part has a Step (Shoulder) Shown Above.

Continued on next page.

4:1 Safety Factor

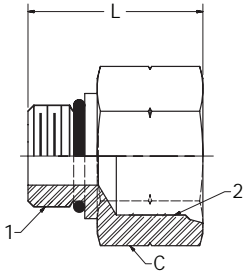
• Available in **316 Stainless Steel**

Minimum Order Quantity May Apply.

6410

O-Ring Boss Fittings

O-Ring Boss Reducer-Expander



Reference
 Aeroquip FF1010
 Parker Hose O510
 Parker Tube F50G5
 Weatherhead C7033
 SAE J514

Continued from previous page.

Part No.	1 Male ORB	2 Female ORB	C Hex	L Length	Operating Pressure
6410-20-10 #	1 5/8 - 12	7/8 - 14	1 7/8	1.00	4,000
6410-20-12	1 5/8 - 12	1 1/16 - 12	1 7/8	1.00	4,000
6410-20-16	1 5/8 - 12	1 5/16 - 12	1 7/8	1.00	4,000
6410-20-24 # #Expander	1 5/8 - 12	1 7/8 - 12	2 3/8	2.03	2,000
6410-24-10 #	1 7/8 - 12	7/8 - 14	2 1/8	1.00	3,000
6410-24-12	1 7/8 - 12	1 1/16 - 12	2 1/8	1.00	3,000
6410-24-16	1 7/8 - 12	1 5/16 - 12	2 1/8	1.00	3,000
6410-24-20	1 7/8 - 12	1 5/8 - 12	2 1/8	1.75	3,000
6410-32-20	2 1/2 - 12	1 5/8 - 12	2 3/4	1.00	2,000
6410-32-24	2 1/2 - 12	1 7/8 - 12	2 3/4	1.80	2,000

• Available in **316 Stainless Steel**

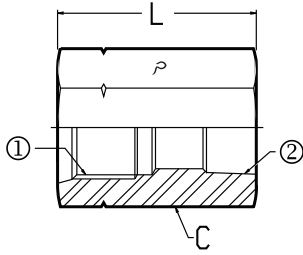
4:1 Safety Factor

Minimum Order Quantity May Apply.

6420

O-Ring Boss Fittings Female O-Ring Boss x Female Pipe

Reference
SAE J514



Part No.	1 Female ORB	2 Female NPTF	C Hex	L Length	Operating Pressure
6420-06-06	9/16 - 18	3/8 - 18	7/8	1.30	6,000
6420-08-06 #	3/4 - 16	3/8 - 18	1"	1.42	4,000
6420-08-08	3/4 - 16	1/2 - 14	1"	1.42	4,000
6420-10-08	7/8 - 14	1/2 - 14	1 1/8	1.60	4,000

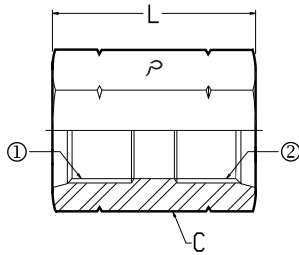
Minimum Order Quantity May Apply.

4:1 Safety Factor

6425

O-Ring Boss Fittings Female O-Ring Boss Coupling

Reference
SAE J514



Part No.	1 Female ORB	2 Female ORB	C Hex	L Length	Operating Pressure
6425-08-08	3/4 - 16	3/4 - 16	1 1/16	1.42	6,000
6425-10-08 #	7/8 - 14	3/4 - 16	1 1/8	1.42	4,500
6425-10-10	7/8 - 14	7/8 - 14	1 1/8	1.45	4,500
6425-12-12 #	1 5/16 - 12	1 5/16 - 12	1 3/8	1.97	4,500

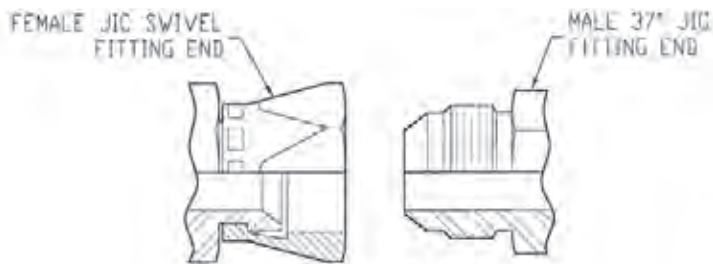
Minimum Order Quantity May Apply.

4:1 Safety Factor

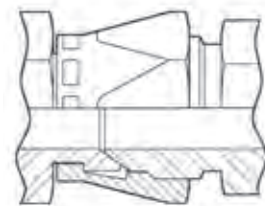
Female JIC Swivels



Components
















Assembled



The 37° Female JIC Swivel (FJX) is designed to accept a male 37° JIC Flare. No tube nut or sleeve is required because the swivel nut is permanently crimped onto the body containing a female 37° flare. Female JIC Swivels use the same torque values as the Male 37° JIC Flares, which are found on **pages 52 and 130**. Our swivel nut design meets the strict requirements of SAE. However, SAE allows manufacturer's discretion when designing swivel nut fittings. All of our swivel nuts maintain the proper clearance to "turn freely" as SAE stipulates.

Female JIC Swivels are dimensionally standardized by SAE under J514, but because of differing manufacturing methods, and interpretation of conformance, actual performance will vary between brands. This is where our Quality Assurance Department sets us apart from other manufacturers. Pressure Connections takes great pride in each fitting we sell. Standard material for our Female JIC Swivels is steel with a RoHS compliant 96-hour salt spray finish that exceeds the SAE 72-hour salt spray requirement. For details about our Quality Assurance Program please reference the inside front cover of this catalog.

Female JIC Swivels

 Pg. 131 6500 (070221) Swivel Nut Elbow 1-MJ 2-FJX	 Pg. 132 6500BT Bent Tube Elbow 1-MJ 2-FJX	 Pg. 132 6500BTL Bent Tube Elbow Long 1-MJ 2-FJX	 Pg. 133 6501 Swivel Nut Adapter 1-MP 2-FJX	 Pg. 134 6502 (070321) Swivel Nut Elbow 1-MJ 2-FJX	 Pg. 134 6502BT Bent Tube Elbow 1-MJ 2-FJX	 Pg. 135 6503 Swivel Nut Elbow 1-FP 2-FJX	 Pg. 135 6504 Swivel Nut Connector 1-MJ 2-FJX
 Pg. 136 6505 Swivel Nut Adapter 1-MP 2-FJX	 Pg. 137 6506 Swivel Nut Adapter 1-FP 2-FJX	 Pg. 138 6565 Swivel Nut Union 1-FJX 2-FJX	 Pg. 138 6600 (070433) Swivel Nut Branch Tee 1-MJ 2-MJ 3-FJX	 Pg. 139 6602 (070432) Swivel Nut Run Tee 1-MJ 2-FJX 3-MJ	The 37° Female JIC Swivel (FJX) is designed to accept a male 37° JIC flare. No tube nut or sleeve is required as the swivel nut is permanently crimped onto the body.		

• Available in 316 Stainless Steel

37° JIC Flare Torque Values

F.F.F.T.	Size	lb.-ft. min./max.
-	-02	6-7
-	-03	8-9
2	-04	11-12
2	-05	14-15
1 1/2	-06	18-20
1 1/2	-08	36-39
1 1/2	-10	57-63
1 1/4	-12	79-88
1	-14	94-103
1	-16	108-113
1	-20	127-133
1	-24	158-167
1	-32	245-258

For Stainless Steel Use the Maximum Value

Flats From Finger Tight (F.F.F.T.) is a Turns Method that counts the number of hex flats past the finger tightened position.

Assembly Steps With a Visual Check

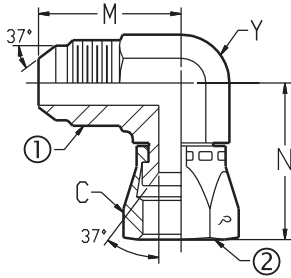
1. With the tube flared, make sure the tubing and threads are clean.
2. Lubricate the threads with 10W hydraulic oil.
3. Hand tighten the nut/sleeve (approx. 30 lb-in.).
4. Make alignment marks on the nut and fitting.
5. Proceed to tighten to F.F.F.T. or lb-ft. values.
6. When fully tightened make a 2nd set of alignment marks at the fully tightened position.

This completes a 37° JIC Flare connection with quick reference visual marks to monitor the nut if it has backed off.

- Torque values specified are for threads lubricated with 10W hydraulic oil.
- Remember sizes -02 through -08 are less tolerant to over-torque abuse.
- Over-torque abuse reduces the clamping force resulting in loss of seal and a reduction in flow.



3D Models are available on request



Reference
Aeroquip 2071
Parker Hose 2703/3903
Parker Tube C6X
Weatherhead C5506
SAE 070221

Part No.	Tube O.D.	1 Male JIC	2 Female JIC Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6500-03-03-4	3/16	3/8 - 24	3/8 - 24	1/2	0.83	1.00	7/16	7,500
6500-04-04-4	1/4	7/16 - 20	7/16 - 20	9/16	0.89	1.00	7/16	7,500
6500-04-06-4 #	1/4 x 3/8	7/16 - 20	9/16 - 18	11/16	1.05	1.25	9/16	5,000
6500-05-05-4	5/16	1/2 - 20	1/2 - 20	5/8	0.95	1.06	9/16	6,000
6500-06-04-4	3/8 x 1/4	9/16 - 18	7/16 - 20	9/16	1.06	1.24	9/16	5,000
6500-06-06-4	3/8	9/16 - 18	9/16 - 18	11/16	1.06	1.25	9/16	5,000
6500-06-08-4	3/8 x 1/2	9/16 - 18	3/4 - 16	7/8	1.14	1.38	3/4	5,000
6500-08-06-4	1/2 x 3/8	3/4 - 16	9/16 - 18	11/16	1.25	1.27	3/4	5,000
6500-08-08-4	1/2	3/4 - 16	3/4 - 16	7/8	1.25	1.38	3/4	5,000
6500-08-10-4	1/2 x 5/8	3/4 - 16	7/8 - 14	1"	1.33	1.62	7/8	5,000
6500-08-12-4	1/2 x 5/8	3/4 - 16	1 1/16 - 12	1 1/4	1.42	1.75	1 1/16	5,000
6500-10-08-4 #	5/8 x 1/2	7/8 - 14	3/4 - 16	7/8	1.45	1.50	7/8	5,000
6500-10-10-4	5/8	7/8 - 14	7/8 - 14	1"	1.45	1.62	7/8	5,000
6500-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.66	1.75	1 1/16	5,000
6500-12-16-4	3/4 x 1"	1 1/16 - 12	1 5/16 - 12	1 1/2	1.76	2.00	1 5/16	3,600
6500-14-14-4	7/8	1 3/16 - 12	1 3/16 - 12	1 3/8	1.80	1.78	1 5/16	4,000
6500-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.81	2.00	1 5/16	3,600
6500-20-20-4	1 1/4	1 5/8 - 12	1 5/8 - 12	2"	2.06	2.29	1 5/8	3,600
6500-24-24-4	1 1/2	1 7/8 - 12	1 7/8 - 12	2 1/4	2.33	2.59	1 7/8	2,500
6500-32-32-4	2"	2 1/2 - 12	2 1/2 - 12	2 7/8	3.06	3.38	2 1/2	1,500

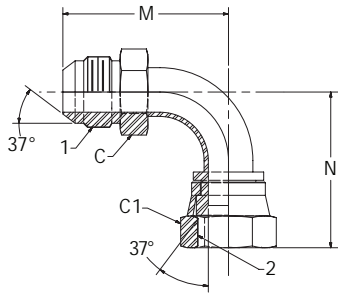
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

6500BT

Female JIC Swivels Swivel Nut BENT TUBE Elbow



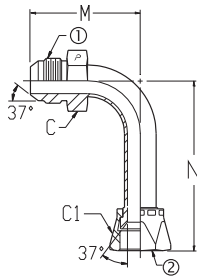
Reference
Aeroquip 500454
Parker Hose 39T3
SAE J514

Part No.	Tube O.D.	1 Male JIC	2 Female JIC Swivel	C Body Hex	C1 Nut Hex	M Length	N Length	Operating Pressure
6500BT-04-04	1/4	7/16 - 20	7/16 - 20	1/2	9/16	1.36	1.38	5,000
6500BT-06-06	3/8	9/16 - 18	9/16 - 18	5/8	11/16	1.63	1.50	5,000
6500BT-08-08	1/2	3/4 - 16	3/4 - 16	13/16	7/8	1.99	1.86	5,000
6500BT-10-10	5/8	7/8 - 14	7/8 - 14	15/16	1"	2.39	2.14	4,000
6500BT-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1 1/8	1 1/4	2.83	2.50	4,000
6500BT-16-16	1"	1 5/16 - 12	1 5/16 - 12	1 3/8	1 1/2	3.63	2.79	3,500
6500BT-20-20	1 1/4	1 5/8 - 12	1 5/8 - 12	1 11/16	2"	4.03	3.26	2,000

4:1 Safety Factor

6500BTL

Swivel Nut BENT ELBOW Long



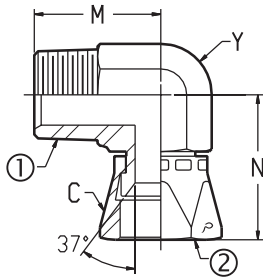
Reference
Aeroquip 504095
Parker Hose 41T3
SAE J514

Part No.	Tube O.D.	1 Male JIC	2 Female JIC Swivel	C Hex	C1 Nut Hex	M Length	N Length	Operating Pressure
6500BTL-04-04	1/4	7/16 - 20	7/16 - 20	1/2	9/16	2.18	1.38	5,000
6500BTL-06-06	3/8	9/16 - 18	9/16 - 18	5/8	11/16	2.66	1.50	5,000
6500BTL-08-08	1/2	3/4 - 16	3/4 - 16	13/16	7/8	3.37	1.86	5,000
6500BTL-10-10	5/8	7/8 - 14	7/8 - 14	15/16	1"	3.90	2.14	4,000
6500BTL-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1 1/8	1 1/4	4.89	2.50	4,000
6500BTL-16-16	1"	1 5/16 - 12	1 5/16 - 12	1 3/8	1 1/2	5.83	2.79	3,500
6500BTL-20-20	1 1/4	1 5/8 - 12	1 5/8 - 12	1 11/16	2"	7.10	3.26	2,000

4:1 Safety Factor

6501

Female JIC Swivels Swivel Nut Male Elbow



Reference
Aeroquip 2250
Parker Tube X6EF
Weatherhead C5406
SAE J514

Part No.	Tube O.D.	1 Male NPTF	2 Female JIC Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6501-02-04-4	1/4	1/8 - 27	7/16 - 20	9/16	0.78	1.01	7/16	6,000
6501-04-04-4	1/4	1/4 - 18	7/16 - 20	9/16	1.09	1.05	9/16	6,000
6501-04-06-4	3/8	1/4 - 18	9/16 - 18	11/16	1.06	1.27	9/16	5,000
6501-06-06-4	3/8	3/8 - 18	9/16 - 18	11/16	1.22	1.26	3/4	5,000
6501-06-08-4	1/2	3/8 - 18	3/4 - 16	7/8	1.22	1.34	3/4	5,000
6501-08-08-4	1/2	1/2 - 14	3/4 - 16	7/8	1.47	1.48	7/8	5,000
6501-08-10-4	5/5	1/2 - 14	7/8 - 14	1"	1.47	1.62	7/8	5,000
6501-12-12-4	3/4	3/4 - 14	1 1/16 - 12	1 1/4	1.50	1.68	1 1/16	4,000
6501-16-16-4	1"	1 - 11 1/2	1 5/16 - 12	1 1/2	1.97	2.01	1 5/16	3,000
6501-20-20-4	1 1/4	1 1/4 - 11 1/2	1 5/8 - 12	2"	2.38	2.33	1 5/8	2,500
6501-24-24-4 #	1 1/2	1 1/2 - 11 1/2	1 7/8 - 12	2 1/4	2.64	2.70	1 7/8	2,500

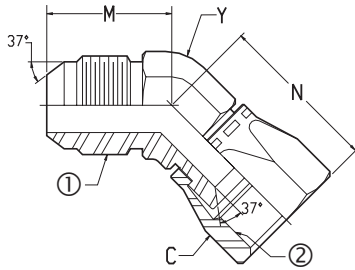
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

6502

Female JIC Swivels Swivel Nut Elbow



Reference
Aeroquip 2070
Parker Hose 3703
Parker Tube V6X
Weatherhead C5356
SAE 070321

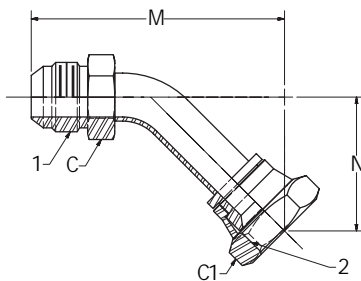
Part No.	Tube O.D.	1 Male JIC	2 Female JIC Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6502-04-04-4	1/4	7/16 - 20	7/16 - 20	9/16	0.72	0.94	7/16	7,500
6502-05-05-4	5/16	1/2 - 20	1/2 - 20	5/8	0.77	1.00	9/16	5,000
6502-06-06-4	3/8	9/6 - 18	9/6 - 18	11/16	0.83	1.12	9/16	5,000
6502-08-08-4	1/2	3/4 - 16	3/4 - 16	7/8	0.98	1.28	3/4	5,000
6502-10-10-4	5/8	7/8 - 14	7/8 - 14	1"	1.11	1.44	7/8	5,000
6502-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.33	1.50	1 1/16	5,000
6502-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.47	1.75	1 5/16	3,600
6502-20-20-4	1 1/4	1 5/8 - 12	1 5/8 - 12	2"	1.59	2.01	1 5/8	3,600
6502-24-24-4	1 1/2	1 7/8 - 12	1 7/8 - 12	2 1/4	1.78	2.27	1 7/8	2,500
6502-32-32-4	2"	2 1/2 - 12	2 1/2 - 12	2 7/8	2.22	2.91	2 1/2	1,500

• Available in 316 Stainless Steel

4:1 Safety Factor

6502BT

Swivel Nut BENT TUBE Elbow



Reference
SAE J514

Part No.	Tube O.D.	1 Male JIC	2 Female JIC Swivel	C Body Hex	C1 Nut Hex	M Length	N Length	Operating Pressure
6502BT-04-04 #	1/4	7/16 - 20	7/16 - 20	1/2	9/16	2.12	0.98	5,000
6502BT-06-06 #	3/8	9/16 - 18	9/16 - 18	5/8	11/16	2.65	1.36	5,000
6502BT-08-08 #	1/2	3/4 - 16	3/4 - 16	13/16	7/8	2.97	1.47	5,000
6502BT-10-10	5/8	7/8 - 14	7/8 - 14	15/16	1"	3.37	1.45	4,000
6502BT-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1 1/8	1 1/4	3.88	2.05	4,000
6502BT-16-16 #	1"	1 5/16 - 12	1 5/16 - 12	1 3/8	1 1/2	4.47	2.17	3,500
6502BT-20-20 #	1 1/4	1 5/8 - 12	1 5/8 - 12	2"	1 11/16	4.84	2.44	2,000

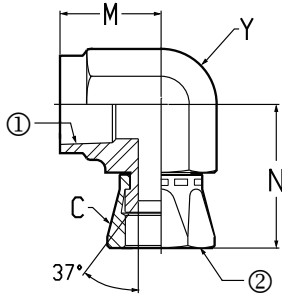
Minimum Order Quantity May Apply.

4:1 Safety Factor

6503

Female JIC Swivels Swivel Nut Female Elbow

Reference
SAE J514



Part No.	Tube O.D.	1 Male JIC	2 Female JIC Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6503-04-04-4	1/4	1/4 - 18	7/16 - 20	9/16	0.88	1.18	3/4	6,000
6503-06-06-4	3/8	3/8 - 18	9/16 - 18	11/16	1.02	1.41	7/8	4,500
6503-06-08-4 #	1/2	3/8 - 18	3/4 - 16	7/8	1.02	1.50	7/8	4,500
6503-08-08-4	1/2	1/2 - 14	3/4 - 16	7/8	1.24	1.52	1 1/16	3,000
6503-12-12-4	3/4	3/4 - 14	1 1/16 - 12	1 1/4	1.36	1.87	1 5/16	3,000

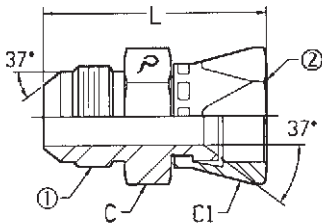
Minimum Order Quantity May Apply.

4:1 Safety Factor

6504

Swivel Nut Connector

Reference
SAE J514



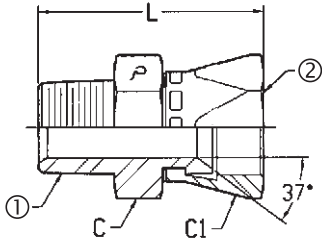
Part No.	Tube O.D.	1 Male JIC	2 Female JIC Swivel	C Hex	C1 Nut Hex	L Length	Operating Pressure
6504-04-04	1/4	7/16 - 20	7/16 - 20	1/2	9/16	1.53	7,500
6504-06-06	3/8	9/16 - 18	9/16 - 18	5/8	11/16	1.62	5,000
6504-06-08 #	3/8 x 1/2	9/16 - 18	3/4 - 16	11/16	7/8	1.69	5,000
6504-08-06 #	1/2 x 3/8	3/4 - 16	9/16 - 18	13/16	11/16	1.72	5,000
6504-08-08	1/2	3/4 - 16	3/4 - 16	13/16	7/8	1.84	5,000
6504-10-10	5/8	7/8 - 14	7/8 - 14	1"	1"	2.14	5,000
6504-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1 1/8	1 1/4	2.26	5,000
6504-16-16	1"	1 5/16 - 12	1 5/16 - 12	1 3/8	1 1/2	2.45	3,600
6504-20-20	1 1/4	1 5/8 - 12	1 5/8 - 12	1 11/16	2"	2.66	3,600

Minimum Order Quantity May Apply.

4:1 Safety Factor

6505

Female JIC Swivels Swivel Nut Male Adaptor



Reference
Aeroquip 2018
Parker Hose 0106
Parker Tube F6X
Weatherhead C9100
SAE J514

Part No.	Tube O.D.	1 Male NPTF	2 Female JIC Swivel	C Body Hex	C1 Nut Hex	L Length	Operating Pressure
6505-02-04	1/4	1/8 - 27	7/16 - 20	9/16	9/16	1.35	6,000
6505-02-05 #	5/16	1/8 - 27	1/2 - 20	9/16	5/8	1.39	6,000
6505-02-06 #	3/8	1/8 - 27	9/16 - 18	9/16	11/16	1.45	5,000
6505-04-04	1/4	1/4 - 18	7/16 - 20	5/8	9/16	1.54	6,000
6505-04-05	5/16	1/4 - 18	1/2 - 20	9/16	5/8	1.57	6,000
6505-04-06	3/8	1/4 - 18	9/16 - 18	9/16	11/16	1.63	5,000
6505-06-06	3/8	3/8 - 18	9/16 - 18	13/16	11/16	1.63	5,000
6505-06-08	1/2	3/8 - 18	3/4 - 16	7/8	7/8	1.78	5,000
6505-06-10	5/8	3/8 - 18	7/8 - 14	7/8	1"	1.85	5,000
6505-08-08	1/2	1/2 - 14	3/4 - 16	7/8	7/8	1.97	5,000
6505-08-10	5/8	1/2 - 14	7/8 - 14	1"	1"	2.29	5,000
6505-08-12	3/4	1/2 - 14	1 1/16 - 12	1 1/8	1 1/4	2.12	5,000
6505-12-12	3/4	3/4 - 14	1 1/16 - 12	1 1/4	1 1/4	2.15	5,000
6505-12-16	1"	3/4 - 14	1 5/16 - 12	1 3/8	1 1/2	2.45	3,600
6505-16-16	1"	1 - 11 1/2	1 5/16 - 12	1 1/2	1 1/2	2.50	3,600
6505-20-20	1 1/4	1 1/4 - 11 1/2	1 5/8 - 12	1 11/16	2"	2.85	3,000
6505-24-24	1 1/2	1 1/2 - 11 1/2	1 7/8 - 12	2"	2 1/4	2.92	2,500

• Available in 316 Stainless Steel

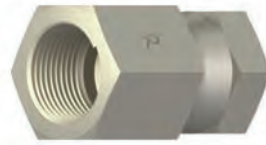
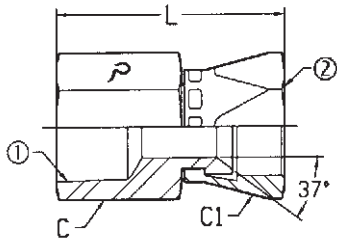
4:1 Safety Factor

Minimum Order Quantity May Apply.

6506

Female JIC Swivels Swivel Nut Female Adaptor

Reference
Aeroquip 2242
Parker Tube G6X
SAE J514



Part No.	Tube O.D.	1 Female NPTF	2 Female JIC Swivel	C Body Hex	C1 Nut Hex	L Length	Operating Pressure
6506-02-04	1/4	1/8 - 27	7/16 - 20	9/16	9/16	1.27	6,000
6506-04-04	1/4	1/4 - 18	7/16 - 20	3/4	9/16	1.49	6,000
6506-04-06	3/8	1/4 - 18	9/16 - 18	3/4	11/16	1.58	5,000
6506-06-06	3/8	3/8 - 18	9/16 - 18	7/8	11/16	1.67	5,000
6506-06-08	1/2	3/8 - 18	3/4 - 16	7/8	7/8	1.74	5,000
6506-06-10 #	5/8	3/8 - 18	7/8 - 14	7/8	1"	1.90	5,000
6506-08-06	3/8	1/2 - 14	9/16 - 18	1 1/8	11/16	1.95	5,000
6506-08-08	1/2	1/2 - 14	3/4 - 16	1"	7/8	1.91	5,000
6506-08-10	5/8	1/2 - 14	7/8 - 14	1"	1"	2.04	5,000
6506-12-10 #	5/8	3/4 - 14	7/8 - 14	1 3/8	1"	2.11	4,000
6506-12-12	3/4	3/4 - 14	1 1/16 - 12	1 3/8	1 1/4	2.59	4,000
6506-12-14 #	3/4	3/4 - 14	1 3/16 - 12	1 3/8	1 3/8	2.24	4,000
6506-16-16	1"	1 - 11 1/2	1 5/16 - 12	1 5/8	1 1/2	2.58	3,000
6506-20-20	1 1/4	1 1/4 - 11 1/2	1 5/8 - 12	2"	2"	2.86	2,500
6506-24-24	1 1/2	1 1/2 - 11 1/2	1 7/8 - 12	2 3/8	2 1/4	2.92	2,000

• Available in 316 Stainless Steel

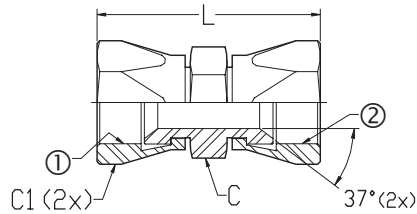
4:1 Safety Factor

Minimum Order Quantity May Apply.

6565

Female JIC Swivels Swivel Nut Union

Reference
Parker Tube H6X
SAE J514



Part No.	Tube O.D.	1 Female JIC Swivel	2 Female JIC Swivel	C Body Hex	C1 Nut Hex	L Length	Operating Pressure
6565-04-04	1/4	7/16 - 20	7/16 - 20	1/2	9/16	1.60	7,500
6565-06-06	3/8	9/16 - 18	9/16 - 18	5/8	11/16	1.84	6,000
6565-08-08	1/2	3/4 - 16	3/4 - 16	13/16	7/8	2.07	6,000
6565-10-10 #	5/8	7/8 - 14	7/8 - 14	1"	1"	2.46	5,000
6565-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1 1/8	1 1/4	2.50	5,000
6565-16-16	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1 1/2	2.74	4,000

• Available in **316 Stainless Steel**

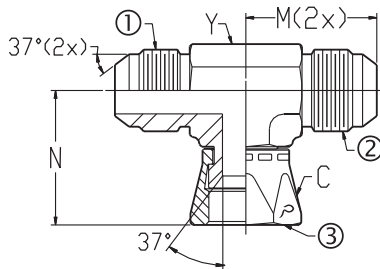
4:1 Safety Factor

Minimum Order Quantity May Apply.

6600

Swivel Nut Branch Tee

Reference
Aeroquip 203101
Parker Hose 393T
Parker Tube S6X
Weatherhead C5407
SAE 070433



Part No.	Tube O.D.	1-2 Male JIC	3 Female JIC Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6600-03-03-03-4 #	3/16	3/8 - 24	3/8 - 24	7/16	0.83	1.00	7/16	7,500
6600-04-04-04-4	1/4	7/16 - 20	7/16 - 20	9/16	0.89	1.00	7/16	7,500
6600-05-05-05-4 #	5/16	1/2 - 20	1/2 - 20	5/8	0.95	1.06	9/16	6,000
6600-06-06-06-4	3/8	9/16 - 18	9/16 - 18	11/16	1.06	1.25	9/16	5,000
6600-08-08-08-4	1/2	3/4 - 16	3/4 - 16	7/8	1.25	1.38	3/4	5,000
6600-10-10-10-4	5/8	7/8 - 14	7/8 - 14	1"	1.45	1.62	7/8	5,000
6600-12-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.66	1.75	1 1/16	5,000
6600-16-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.81	2.00	1 5/16	3,600
6600-20-20-20-4	1 1/4	1 5/8 - 12	1 5/8 - 12	2"	2.06	2.21	1 5/8	3,600
6600-24-24-24-4	1 1/2	1 7/8 - 12	1 7/8 - 12	2 1/4	2.33	2.59	1 7/8	2,500

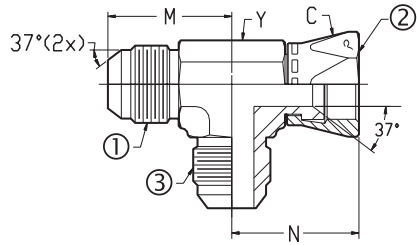
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

6602

Female JIC Swivels Swivel Nut Run Tee



Reference
 Aeroquip 203102
 Parker Hose 063T
 Parker Tube R6X
 Weatherhead C5706
 SAE 070432

Part No.	Tube O.D.	1-3 Male JIC	2 Female JIC Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6602-04-04-04-4	1/4	7/16 - 20	7/16 - 20	9/16	0.89	1.00	7/16	7,500
6602-05-05-05-4	5/16	1/2 - 20	1/2 - 20	5/8	0.95	1.06	9/16	6,000
6602-06-06-06-4	3/8	9/16 - 18	9/16 - 18	11/16	1.06	1.25	9/16	5,000
6602-08-08-08-4	1/2	3/4 - 16	3/4 - 16	7/8	1.25	1.38	3/4	5,000
6602-10-10-10-4	5/8	7/8 - 14	7/8 - 14	1"	1.45	1.62	7/8	5,000
6602-12-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.66	1.75	1 1/16	5,000
6602-14-14-14-4 #	7/8	1 3/16 - 12	1 3/16 - 12	1 3/8	1.80	1.78	1 5/16	4,000
6602-16-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.81	2.00	1 5/16	3,600
6602-20-20-20-4	1 1/4	1 5/8 - 12	1 5/8 - 12	2"	2.06	2.31	1 5/8	3,600
6602-24-24-24-4	1 1/2	1 7/8 - 12	1 7/8 - 12	2 1/4	2.33	2.59	1 7/8	2,500

• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

O-Ring Boss Fittings

Fitting and Port

Assembled

Adjustable ORB

360° Positioning

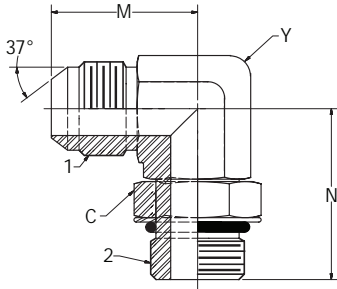
Pressure Connections uses a **90 durometer, Buna-N (Nitrile) O-ring**, with other compounds available upon request. The threads of the SAE straight thread O-Ring Boss (ORB) and the straight thread 37° JIC Flare are the same threads. The difference is the way each thread seals. While the JIC seals on a metal-to-metal flare, the ORB seals on an O-ring. This type of seal offers the best leak free connection, even if small nicks and dings are found on the sealing surfaces of the ports. This O-ring connection is highly recommended for medium and high pressure systems, and is excellent in vibration and/or temperature cycling environments. Since the seal takes place at the O-ring and not the threads, the fitting can be used multiple times. Simply replace the O-ring and it is ready for service again. Pressure Connections uses specially designed mandrels, or cones, to ensure that the threads never damage the o-ring during installation. The **elbows and tees** have an **adjustable ORB thread** that allows **360° positioning** when tightening for an easy connection. For details about our Quality Assurance Program please reference the inside front cover of this catalog.

O-Ring Boss Fittings							
<p>● 6400 (070120)</p> <p>Pg. 115 Straight Thread Connector 1-MJ 2-MB</p>	<p>6400L (071720)</p> <p>Pg. 117 Straight Thread Connector Long 1-MJ 2-MB</p>	<p>6400R</p> <p>Pg. 118 RESTRICTOR Str. Thread Connector 1-MJ 2-MB</p>	<p>● 6401</p> <p>Pg. 119 Male ORB x Male Pipe 1-MB 2-MP</p>	<p>● 6402</p> <p>Pg. 120 Swivel Nut Adaptor 1-MB 2-FJX</p>	<p>6404</p> <p>Pg. 121 Female ORB x Male Pipe 1-FB 2-MP</p>	<p>● 6405</p> <p>Pg. 122 Male ORB x Male Pipe 1-MB 2-FP</p>	<p>● 6407</p> <p>Pg. 123 Male ORB Union 1-MB 2-MB (Adjustable)</p>
<p>● 6408 (090109A)</p> <p>Pg. 124 Hex Head ORB Plug 1-MB</p>	<p>● 6409 (090109B)</p> <p>Pg. 125 Hex Socket ORB Plug 1-MB</p>	<p>● 6410</p> <p>Pg. 126 ORB Reducer-Expander 1-MB 2-FB</p>	<p>6420</p> <p>Pg. 128 Female ORB x Female Pipe 1-FB 2-FB</p>	<p>6425</p> <p>Pg. 128 Female ORB Union 1-FB 2-FB</p>	<p style="text-align: center;">Our Symbol of Quality</p>		
<p>● 6801 (070220)</p> <p>Pg. 141 Straight Thread Elbow 1-MJ 2-MB</p>	<p>6801L (071520)</p> <p>Pg. 143 Str Thr Elbow Long 1-MJ 2-MB</p>	<p>6801LL (071620)</p> <p>Pg. 144 Elbow Double Long 1-MJ 2-MB</p>	<p>6801R</p> <p>Pg. 145 RESTRICTOR Straight Thread Elbow 1-MJ 2-MB</p>	<p>● 6802 (070320)</p> <p>Pg. 146 Straight Thread Elbow 1-MJ 2-MB</p>	<p>● 6803 (070429)</p> <p>Pg. 147 ORB Branch Tee 1-MJ 2-MJ 3-MB</p>	<p>● 6804 (070428)</p> <p>Pg. 148 ORB Run Tee 1-MJ 2-MB 3-MJ</p>	<p>6805</p> <p>Pg. 149 ORB Female Elbow 1-MB 2-FP</p>
<p>6805LL</p> <p>Pg. 149 Double Long 1-MB 2-FP</p>	<p>6806</p> <p>Pg. 150 ORB Male Elbow 1-MB 2-MP</p>	<p>6807</p> <p>Pg. 150 ORB Union Elbow 1-MB 2-MB</p>	<p>6809</p> <p>Pg. 151 Swivel Nut Elbow 1-MB 2-FJX</p>	<p>6815</p> <p>Pg. 151 Straight Thread Elbow 1-MB 2-FB</p>	<p>6900 (140157)</p> <p>Pg. 152 MB x NPSM Swivel 1-MB 2-FPX</p>	<p>6901 (140257)</p> <p>Pg. 153 MB x NPSM Elbow 1-MB 2-FPX</p>	<p>6902 (140357)</p> <p>Pg. 154 MB x NPSM Elbow 1-MB 2-FPX</p>
<p>The O-Ring Boss and the 37° JIC Flare use the same threads. The difference is the way each thread seals. While the JIC seals on a metal-to-metal flare, the ORB seals on an O-Ring. We use a 90 durometer, Buna-N (Nitrile) O-Ring with Viton® as an option. An O-ring seal offers the best leak free connection. Viton® is a Registered Trademark of DuPont™</p>							

● Available in **316 Stainless Steel**

6801

O-Ring Boss Elbows and Tees Straight Thread Elbow



Reference
Aeroquip 2062
Parker Hose 2503
Parker Tube C50X
Weatherhead C5515
SAE 070220

Part No.	Tube O.D.	1 Male JIC	2 Male ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6801-02-02-4	1/8	5/16 - 24	5/16 - 24	7/16	0.78	0.94	7/16	6,000
6801-03-03-4	3/16	3/8 - 24	3/8 - 24	1/2	0.83	0.94	7/16	6,000
6801-04-02-4	1/4	7/16 - 20	5/16 - 24	7/16	0.89	0.92	7/16	6,000
6801-04-04-4	1/4	7/16 - 20	7/16 - 20	9/16	0.89	1.03	7/16	6,000
6801-04-05-4	1/4	7/16 - 20	1/2 - 20	5/8	0.95	1.13	9/16	6,000
6801-04-06-4	1/4	7/16 - 20	9/16 - 18	11/16	1.05	1.25	9/16	6,000
6801-04-08-4	1/4	7/16 - 20	3/4 - 16	7/8	1.12	1.45	3/4	6,000
6801-05-04-4	5/16	1/2 - 20	7/16 - 20	9/16	0.95	1.13	9/16	6,000
6801-05-05-4	5/16	1/2 - 20	1/2 - 20	5/8	0.95	1.13	9/16	6,000
6801-05-06-4	5/16	1/2 - 20	9/16 - 18	11/16	1.05	1.25	9/16	6,000
6801-06-04-4	3/8	9/16 - 18	7/16 - 20	9/16	1.06	1.19	9/16	6,000
6801-06-05-4	3/8	9/16 - 18	1/2 - 20	5/8	1.06	1.19	9/16	6,000
6801-06-06-4	3/8	9/16 - 18	9/16 - 18	11/16	1.06	1.25	9/16	6,000
6801-06-08-4	3/8	9/16 - 18	3/4 - 16	7/8	1.14	1.45	3/4	6,000
6801-06-10-4	3/8	9/16 - 18	7/8 - 14	1"	1.23	1.70	7/8	5,000
6801-06-12-4	3/8	9/16 - 18	1 1/16 - 12	1 1/4	1.31	1.94	1 1/16	6,000
6801-08-04-4	1/2	3/4 - 16	7/16 - 20	9/16	1.25	1.26	3/4	6,000
6801-08-06-4	1/2	3/4 - 16	9/16 - 18	11/16	1.25	1.32	3/4	6,000
6801-08-08-4	1/2	3/4 - 16	3/4 - 16	7/8	1.25	1.45	3/4	6,000
6801-08-10-4	1/2	3/4 - 16	7/8 - 14	1"	1.34	1.70	7/8	5,000
6801-08-12-4	1/2	3/4 - 16	1 1/16 - 12	1 1/4	1.42	1.94	1 1/16	5,000
6801-08-16-4	1/2	3/4 - 16	1 5/16 - 12	1 1/2	1.52	2.05	1 5/16	4,000
6801-10-06-4 #	5/8	7/8 - 14	9/16 - 18	11/16	1.45	1.41	7/8	5,000
6801-10-08-4	5/8	7/8 - 14	3/4 - 16	7/8	1.45	1.58	7/8	5,000
6801-10-10-4	5/8	7/8 - 14	7/8 - 14	1"	1.45	1.70	7/8	5,000
6801-10-12-4	5/8	7/8 - 14	1 1/16 - 12	1 1/4	1.54	1.94	1 1/16	5,000
6801-10-16-4	5/8	7/8 - 14	1 5/16 - 12	1 1/2	1.64	2.05	1 5/16	4,000
6801-12-06-4 #	3/4	1 1/16 - 12	9/16 - 18	11/16	1.66	1.49	1 1/16	5,000
6801-12-08-4	3/4	1 1/16 - 12	3/4 - 16	7/8	1.66	1.62	1 1/16	5,000
6801-12-10-4	3/4	1 1/16 - 12	7/8 - 14	1"	1.66	1.78	1 1/16	5,000
6801-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.66	1.94	1 1/16	5,000
6801-12-14-4	3/4	1 1/16 - 12	1 3/16 - 12	1 3/8	1.77	2.00	1 5/16	5,000

• Available in 316 Stainless Steel

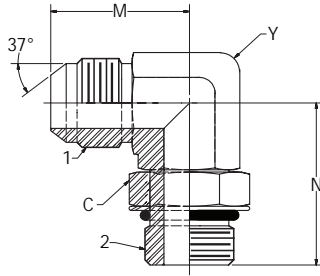
Continued on next page.

4:1 Safety Factor

Minimum Order Quantity May Apply.

6801

O-Ring Boss Elbows and Tees Straight Thread Elbow



Reference
Aeroquip 2062
Parker Hose 2503
Parker Tube C50X
Weatherhead C5515
SAE 070220

Continued from previous page.

Part No.	Tube O.D.	1 Male JIC	2 Male ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6801-12-16-4	3/4	1 1/16 - 12	1 5/16 - 12	1 1/2	1.76	2.05	1 5/16	4,000
6801-12-20-4	3/4	1 1/16 - 12	1 5/8 - 12	1 7/8	1.97	2.25	1 5/8	4,000
6801-14-14-4 #	7/8	1 3/16 - 12	1 3/16 - 12	1 3/8	1.80	2.00	1 5/16	5,000
6801-16-08-4 #	1"	1 5/16 - 12	3/4 - 16	7/8	1.81	1.76	1 5/16	4,000
6801-16-10-4	1"	1 5/16 - 12	7/8 - 14	1"	1.81	1.89	1 5/16	4,000
6801-16-12-4	1"	1 5/16 - 12	1 1/16 - 12	1 1/4	1.81	2.05	1 5/16	4,000
6801-16-14-4 #	1"	1 5/16 - 12	1 3/16 - 12	1 3/8	1.81	2.05	1 5/16	4,000
6801-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.81	2.05	1 5/16	4,000
6801-16-20-4	1"	1 5/16 - 12	1 5/8 - 12	1 7/8	2.01	2.25	1 5/8	4,000
6801-20-12-4 #	1 1/4	1 5/8 - 12	1 1/16 - 12	1 1/4	2.06	2.25	1 5/8	4,000
6801-20-16-4 #	1 1/4	1 5/8 - 12	1 5/16 - 12	1 1/2	2.06	2.25	1 5/8	4,000
6801-20-20-4	1 1/4	1 5/8 - 12	1 5/8 - 12	1 7/8	2.06	2.25	1 5/8	4,000
6801-20-24-4	1 1/4	1 5/8 - 12	1 7/8 - 12	2 1/8	2.20	2.39	1 7/8	3,000
6801-24-20-4	1 1/2	1 7/8 - 12	1 5/8 - 12	1 7/8	2.33	2.39	1 7/8	3,000
6801-24-24-4	1 1/2	1 7/8 - 12	1 7/8 - 12	2 1/8	2.33	2.39	1 7/8	3,000
6801-32-32-4	2"	2 1/2 - 12	2 1/2 - 12	2 3/4	3.06	2.89	2 1/2	2,000

• Available in 316 Stainless Steel

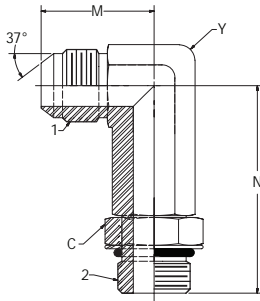
4:1 Safety Factor

Minimum Order Quantity May Apply.

6801L

O-Ring Boss Elbows and Tees

Straight Thread Elbow Long



Reference
Aeroquip 200209
Parker Tube CC50X
Weatherhead C5515LL
SAE 071620

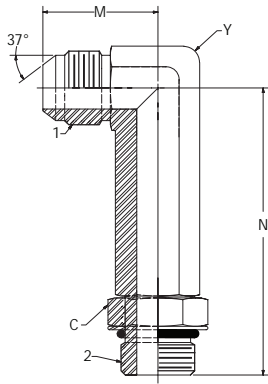
Part No.	Tube O.D.	1 Male JIC	2 Male ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6801L-02-02-4 #	1/8	5/16 - 24	5/16 - 24	7/16	0.77	1.31	7/16	6,000
6801L-03-03-4 #	3/16	3/8 - 24	3/8 - 24	1/2	0.83	1.39	7/16	6,000
6801L-04-04-4	1/4	7/16 - 20	7/16 - 20	9/16	0.89	1.54	7/16	6,000
6801L-05-05-4 #	5/16	1/2 - 20	1/2 - 20	5/8	0.95	1.57	9/16	6,000
6801L-06-06-4	3/8	9/16 - 18	9/16 - 18	11/16	1.06	1.66	9/16	6,000
6801L-08-08-4	1/2	3/4 - 16	3/4 - 16	7/8	1.25	1.97	3/4	6,000
6801L-08-10-4 #	1/2	3/4 - 16	7/8 - 14	1"	1.33	2.26	7/8	5,000
6801L-10-10-4 #	5/8	7/8 - 14	7/8 - 14	1"	1.45	2.26	7/8	5,000
6801L-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.66	2.62	1 1/16	5,000
6801L-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.81	3.06	1 5/16	4,000
6801L-20-20-4 #	1 1/4	1 5/8 - 12	1 5/8 - 12	1 7/8	2.06	3.48	1 5/8	4,000
6801L-24-24-4 #	1 1/2	1 7/8 - 12	1 7/8 - 12	2 1/8	2.33	3.93	1 7/8	3,000
6801L-32-32-4 #	2"	2 1/2 - 12	2 1/2 - 12	2 3/4	3.06	4.46	2 5/8	2,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

6801LL

O-Ring Boss Elbows and Tees Straight Thread Elbow Extra Long



Part No.	Tube O.D.	1 Male JIC	2 Male ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6801LL-02-02-4 #	1/8	5/16 - 24	5/16 - 24	7/16	0.77	1.47	7/16	6,000
6801LL-03-03-4 #	3/16	3/8 - 24	3/8 - 24	1/2	0.83	1.53	7/16	6,000
6801LL-04-04-4	1/4	7/16 - 20	7/16 - 20	9/16	0.89	1.73	7/16	6,000
6801LL-05-05-4 #	5/16	1/2 - 20	1/2 - 20	5/8	0.95	1.86	9/16	6,000
6801LL-06-04-4 #	3/8	9/16 - 18	7/16 - 20	9/16	1.06	1.73	9/16	6,000
6801LL-06-06-4	3/8	9/16 - 18	9/16 - 18	11/16	1.06	2.08	9/16	6,000
6801LL-06-08-4 #	3/8	9/16 - 18	3/4 - 16	7/8	1.14	2.48	3/4	6,000
6801LL-08-08-4	1/2	3/4 - 16	3/4 - 16	7/8	1.25	2.48	3/4	6,000
6801LLL-08-08-4 #	1/2	3/4 - 16	3/4 - 16	7/8	1.25	3.53	3/4	6,000
6801LL-08-10-4	1/2	3/4 - 16	7/8 - 14	1"	1.38	2.89	7/8	5,000
6801LL-10-10-4	5/8	7/8 - 14	7/8 - 14	1"	1.45	2.89	7/8	5,000
6801LL-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.66	3.34	1 1/16	5,000
6801LL-14-14-4 #	7/8	1 3/16 - 12	1 3/16 - 12	1 3/8	1.80	3.56	1 5/16	5,000
6801LL-16-16-4 #	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.81	3.72	1 5/16	4,000
6801LL-20-20-4 #	1 1/4	1 5/8 - 12	1 5/8 - 12	1 7/8	2.06	4.41	1 5/8	4,000
6801LL-24-24-4 #	1 1/2	1 7/8 - 12	1 7/8 - 12	2 1/8	2.33	4.81	1 7/8	3,000

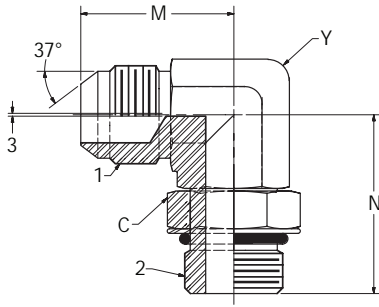
Minimum Order Quantity May Apply.

4:1 Safety Factor

6801R

O-Ring Boss Elbows and Tees Straight Thread Elbow RESTRICTOR

Reference
SAE J514



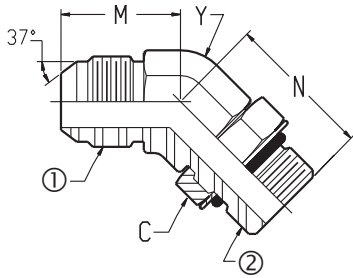
Part No.	Tube O.D.	1 Male JIC	2 Male ORB	3 Orifice	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6801R-04-04-.062 #	1/4	7/16 - 20	7/16 - 20	1/16	9/16	0.89	1.03	7/16	6,000
6801R-06-06-.000 #	3/8	9/16 - 18	9/16 - 18	Blank	11/16	1.06	1.25	9/16	6,000
6801R-06-06-.031	3/8	9/16 - 18	9/16 - 18	1/32	11/16	1.06	1.25	9/16	6,000
6801R-06-06-.057	3/8	9/16 - 18	9/16 - 18	1.45mm	11/16	1.06	1.25	9/16	6,000
6801R-06-06-.062 #	3/8	9/16 - 18	9/16 - 18	1/16	11/16	1.06	1.25	9/16	6,000
6801R-08-08-.031 #	1/2	3/4 - 16	3/4 - 16	1/32	7/8	1.25	1.45	3/4	5,000
6801R-08-08-.062 #	1/2	3/4 - 16	3/4 - 16	1/16	7/8	1.25	1.45	3/4	5,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

6802

O-Ring Boss Elbows and Tees Straight Thread Elbow



Reference
Aeroquip 2061
Parker Hose 3503
Parker Tube V50X
Weatherhead C5365
SAE 070320

Part No.	Tube O.D.	1 Male JIC	2 Male ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6802-04-04-4	1/4	7/16 - 20	7/16 - 20	9/16	0.72	1.05	7/16	6,000
6802-04-05-4 #	1/4	7/16 - 20	1/2 - 20	5/8	0.77	1.05	9/16	6,000
6802-04-06-4	1/4	7/16 - 20	9/16 - 18	11/16	0.82	1.14	9/16	6,000
6802-05-04-4 #	5/16	1/2 - 20	7/16 - 20	9/16	0.77	1.05	9/16	6,000
6802-05-05-4	5/16	1/2 - 20	1/2 - 20	5/8	0.77	1.05	9/16	6,000
6802-05-06-4 #	5/16	1/2 - 20	9/16 - 18	11/16	0.82	1.14	9/16	6,000
6802-06-04-4	3/8	9/16 - 18	7/16 - 20	9/16	0.83	1.08	9/16	6,000
6802-06-05-4	3/8	9/16 - 18	1/2 - 20	5/8	0.83	1.13	9/16	6,000
6802-06-06-4	3/8	9/16 - 18	9/16 - 18	11/16	0.83	1.14	9/16	6,000
6802-06-08-4	3/8	9/16 - 18	3/4 - 16	7/8	0.86	1.30	3/4	6,000
6802-06-10-4	3/8	9/16 - 18	7/8 - 14	1"	0.88	1.52	7/8	6,000
6802-08-06-4	1/2	3/4 - 16	9/16 - 18	11/16	0.98	1.09	3/4	6,000
6802-08-08-4	1/2	3/4 - 16	3/4 - 16	7/8	0.98	1.30	3/4	6,000
6802-08-10-4	1/2	3/4 - 16	7/8 - 14	1"	1.00	1.52	7/8	5,000
6802-08-12-4	1/2	3/4 - 16	1 1/16 - 12	1 1/4	1.04	1.73	1 1/16	5,000
6802-10-08-4	5/8	7/8 - 14	3/4 - 16	7/8	1.11	1.36	7/8	5,000
6802-10-10-4	5/8	7/8 - 14	7/8 - 14	1"	1.11	1.52	7/8	5,000
6802-10-12-4	5/8	7/8 - 14	1 1/16 - 12	1 1/4	1.16	1.73	1 1/16	5,000
6802-12-08-4	3/4	1 1/16 - 12	3/4 - 16	7/8	1.28	1.49	1 1/16	5,000
6802-12-10-4	3/4	1 1/16 - 12	7/8 - 14	1"	1.28	1.58	1 1/16	5,000
6802-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.28	1.73	1 1/16	5,000
6802-12-16-4	3/4	1 1/16 - 12	1 5/16 - 12	1 1/2	1.42	1.86	1 5/16	4,000
6802-14-14-4 #	7/8	1 3/16 - 12	1 3/16 - 12	1 3/8	1.45	1.86	1 1/4	5,000
6802-16-12-4	1"	1 5/16 - 12	1 1/16 - 12	1 1/4	1.47	1.86	1 5/16	4,000
6802-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.47	1.86	1 5/16	4,000
6802-16-20-4	1"	1 5/16 - 12	1 5/8 - 12	1 7/8	1.54	1.91	1 5/8	4,000
6802-20-16-4	1 1/4	1 5/8 - 12	1 5/16 - 12	1 1/2	1.59	1.91	1 5/8	4,000
6802-20-20-4	1 1/4	1 5/8 - 12	1 5/8 - 12	1 7/8	1.59	1.91	1 5/8	4,000
6802-20-24-4	1 1/4	1 5/8 - 12	1 7/8 - 12	2 1/8	1.65	1.91	1 7/8	3,000
6802-24-24-4	1 1/2	1 7/8 - 12	1 7/8 - 12	2 1/8	1.78	1.91	1 7/8	3,000
6802-32-32-4 #	2"	2 1/2 - 12	2 1/2 - 12	2 3/4	2.22	1.86	2 1/2	2,000

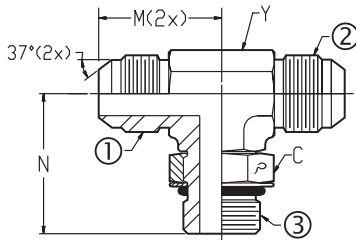
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

6803

O-Ring Boss Elbows and Tees Straight Thread Branch Tee



Reference
 Aeroquip 203003
 Parker Hose 253T
 Parker Tube S50X
 Weatherhead C5715
 SAE 070429

Part No.	Tube O.D.	1-2 Male JIC	3 Male ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6803-04-04-04-4	1/4	7/16 - 20	7/16 - 20	9/16	0.89	1.03	7/16	6,000
6803-04-04-06-4 #	1/4 x 3/8	7/16 - 20	9/16 - 18	11/16	1.05	1.25	9/16	6,000
6803-05-05-05-4 #	5/16	1/2 - 20	1/2 - 20	5/8	0.97	1.13	9/16	6,000
6803-06-06-06-4	3/8	9/16 - 18	9/16 - 18	11/16	1.06	1.25	9/16	6,000
6803-06-06-08-4	3/8 x 1/2	9/16 - 18	3/4 - 16	7/8	1.14	1.45	3/4	6,000
6803-08-08-06-4 #	1/2 x 3/8	3/4 - 16	9/16 - 18	11/16	1.25	1.32	3/4	6,000
6803-08-08-08-4	1/2	3/4 - 16	3/4 - 16	7/8	1.25	1.45	3/4	6,000
6803-08-08-10-4	1/2 x 5/8	3/4 - 16	7/8 - 14	1"	1.31	1.70	7/8	5,000
6803-08-08-12-4 #	1/2 x 3/4	3/4 - 16	1 1/16 - 12	1 1/4	1.42	1.94	1 1/16	5,000
6803-10-10-08-4 #	5/8 x 1/2	7/8 - 14	3/4 - 16	1"	1.45	1.58	7/8	5,000
6803-10-10-10-4	5/8	7/8 - 14	7/8 - 14	1"	1.45	1.70	7/8	5,000
6803-12-12-10-4 #	3/4 x 5/8	1 1/16 - 12	7/8 - 14	1"	1.66	1.78	1 1/16	5,000
6803-12-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.66	1.94	1 1/16	5,000
6803-12-12-16-4	3/4 x 1"	1 1/16 - 12	1 5/16 - 12	1 1/2	1.76	2.05	1 5/16	4,000
6803-16-16-12-4 #	1" x 3/4	1 5/16 - 12	1 1/16 - 12	1 1/4	1.81	2.05	1 5/16	4,000
6803-16-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.81	2.05	1 5/16	4,000
6803-20-20-20-4 #	1 1/4	1 5/8 - 12	1 5/8 - 12	1 7/8	2.06	2.25	1 5/8	4,000

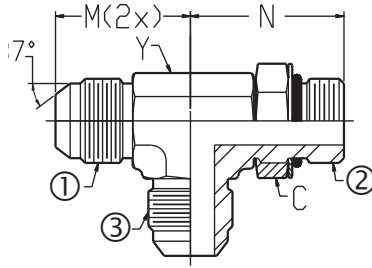
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

6804

O-Ring Boss Elbows and Tees Straight Thread Run Tee



Reference
 Aeroquip 203005
 Parker Hose 053T
 Parker Tube R50X
 Weatherhead C5716
 SAE 074028

Part No.	Tube O.D.	1 Male JIC	2 Male ORB	3 Male JIC	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6804-04-04-04-4	1/4	7/16 - 20	7/16 - 20	7/16 - 20	9/16	0.89	1.03	7/16	6,000
6804-04-06-04-4	1/4 x 3/8	7/16 - 20	9/16 - 18	7/16 - 20	11/16	1.05	1.25	9/16	6,000
6804-05-05-05-4	5/16	1/2 - 20	1/2 - 20	1/2 - 20	5/8	0.95	1.13	9/16	6,000
6804-06-04-06-4 #	3/8 x 1/4	9/16 - 18	7/16 - 20	9/16 - 18	9/16	1.06	1.25	9/16	6,000
6804-06-06-06-4	3/8	9/16 - 18	9/16 - 18	9/16 - 18	11/16	1.06	1.25	9/16	6,000
6804-06-08-06-4	3/8 x 1/2	9/16 - 18	3/4 - 16	9/16 - 18	7/8	1.15	1.45	3/4	6,000
6804-08-06-08-4 #	1/2 x 3/8	3/4 - 16	9/16 - 18	3/4 - 16	11/16	1.25	1.32	3/4	6,000
6804-08-08-08-4	1/2	3/4 - 16	3/4 - 16	3/4 - 16	7/8	1.25	1.45	3/4	6,000
6804-08-10-08-4	1/2 x 5/8	3/4 - 16	7/8 - 14	3/4 - 16	1"	1.33	1.70	7/8	5,000
6804-10-10-10-4	5/8	7/8 - 14	7/8 - 14	7/8 - 14	1"	1.45	1.70	7/8	5,000
6804-10-12-10-4 #	5/8 x 3/4	7/8 - 14	1 1/16 - 12	7/8 - 14	1 1/4	1.53	1.94	1 1/16	5,000
6804-12-10-12-4 #	3/4 x 5/8	1 1/16 - 12	7/8 - 14	1 1/16 - 12	1"	1.66	1.78	1 1/16	5,000
6804-12-12-12-4	3/4	1 1/16 - 12	1 1/16 - 12	1 1/16 - 12	1 1/4	1.66	1.94	1 1/16	5,000
6804-12-12-16-4 #	3/4 x 1"	1 1/16 - 12	1 1/16 - 12	1 5/16 - 12	1 1/4	1.81	2.05	1 5/16	4,000
6804-16-16-16-4	1"	1 5/16 - 12	1 5/16 - 12	1 5/16 - 12	1 1/2	1.81	2.05	1 5/16	4,000
6804-20-20-20-4	1 1/4	1 5/8 - 12	1 5/8 - 12	1 5/8 - 12	1 7/8	2.06	2.25	1 5/8	4,000
6804-24-24-24-4 #	1 1/2	1 7/8 - 12	1 7/8 - 12	1 7/8 - 12	2 1/8	2.33	2.39	1 7/8	3,000

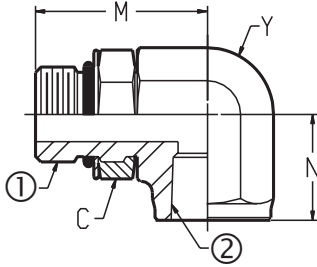
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

6805

O-Ring Boss Elbows and Tees O-Ring Boss Female Elbow



Reference
Aeroquip 206801
Parker Tube AOEG
Weatherhead C3459
SAE J514

Part No.	1 Male ORB	2 Female NPTF	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6805-04-02-4	7/16 - 20	1/8 - 27	9/16	1.09	0.66	9/16	6,000
6805-04-04-4	7/16 - 20	1/4 - 18	9/16	1.17	0.88	3/4	6,000
6805-06-04-4	9/16 - 18	1/4 - 18	11/16	1.34	0.63	3/4	6,000
6805-06-06-4	9/16 - 18	3/8 - 18	11/16	1.38	0.71	7/8	4,500
6805-08-06-4	3/4 - 16	3/8 - 18	7/8	1.50	1.03	7/8	4,500
6805-08-08-4	3/4 - 16	1/2 - 14	7/8	1.56	1.23	1 1/16	3,000
6805-08-12-4 #	3/4 - 16	3/4 - 14	7/8	1.80	1.11	1 5/16	3,000
6805-10-08-4	7/8 - 14	1/2 - 14	1"	1.81	1.20	1 1/16	3,000
6805-10-12-4 #	7/8 - 14	3/4 - 14	1"	1.81	1.36	1 5/16	3,000
6805-12-12-4	1 1/16 - 12	3/4 - 14	1 1/4	2.00	0.81	1 5/16	3,000
6805-14-12-4 #	1 3/16 - 12	3/4 - 14	1 3/8	2.06	1.42	1 5/16	3,000
6805-16-16-4	1 5/16 - 12	1 - 11 1/2	1 1/2	2.25	1.62	1 5/8	1,800
6805-20-20-4	1 5/8 - 12	1 1/4 - 11 1/2	1 7/8	2.38	1.70	1 7/8	1,500
6805-32-32-4 #	2 1/2 - 12	2 - 11 1/2	2 3/4	3.00	2.38	2 13/16	1,200

Minimum Order Quantity May Apply.

4:1 Safety Factor

6805LL

O-Ring Boss Female Elbow Double Long

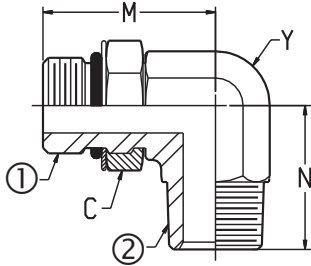
Part No.	1 Male ORB	2 Female NPTF	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6805LL-08-06-4 #	3/4 - 16	3/8 - 18	7/8	2.92	0.66	7/8	4,500
6805LL-10-08-4 #	7/8 - 14	1/2 - 14	1"	3.56	0.99	1 1/16	3,000
6805LL-12-12-4 #	1 1/16 - 12	3/4 - 14	1 1/4	4.13	1.36	1 5/16	3,000
6805LL-16-16-4 #	1 5/16 - 12	1 - 11 1/2	1 1/2	4.63	1.62	1 5/8	1,800

Minimum Order Quantity May Apply.

4:1 Safety Factor

6806

O-Ring Boss Elbows and Tees O-Ring Boss Male Elbow



Reference
Weatherhead C3569
SAE J514

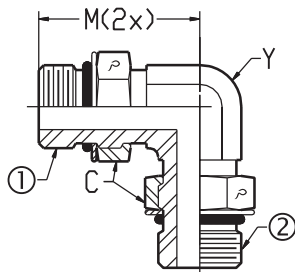
Part No.	1 Male ORB	2 Male NPTF	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6806-04-02-4 #	7/16 - 20	1/8 - 27	9/16	1.05	0.78	7/16	5,000
6806-04-04-4	7/16 - 20	1/4 - 18	9/16	1.15	1.08	9/16	5,000
6806-06-04-4	9/16 - 18	1/4 - 18	11/16	1.25	1.09	9/16	6,000
6806-06-06-4	9/16 - 18	3/8 - 18	11/16	1.32	1.21	3/4	6,000
6806-08-06-4	3/4 - 16	3/8 - 18	7/8	1.43	1.22	3/4	6,000
6806-08-08-4	3/4 - 16	1/2 - 14	7/8	1.49	1.46	7/8	6,000
6806-10-08-4	7/8 - 14	1/2 - 14	1"	1.70	1.47	7/8	5,000
6806-12-12-4	1 1/16 - 12	3/4 - 14	1 1/4	1.92	1.60	1 1/16	4,000
6806-16-16-4 #	1 5/16 - 12	1 - 11 1/2	1 1/2	2.03	1.97	1 5/16	3,000
6806-20-20-4 #	1 5/8 - 12	1 1/4 - 11 1/2	1 7/8	2.25	2.38	1 5/8	2,500

Minimum Order Quantity May Apply.

4:1 Safety Factor

6807

O-Ring Boss Union Elbow



Reference
SAE J514

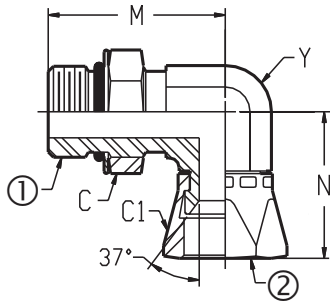
Part No.	1 Male ORB	2 Male ORB	C Nut Hex	M Length	Y Flats	Operating Pressure
6807-04-04-4	7/16 - 20	7/16 - 20	9/16	1.04	7/16	6,000
6807-06-06-4	9/16 - 18	9/16 - 18	11/16	1.25	9/16	6,000
6807-08-08-4	3/4 - 16	3/4 - 16	7/8	1.45	3/4	6,000
6807-10-10-4 #	7/8 - 14	7/8 - 14	1"	2.04	7/8	5,000
6807-12-12-4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.94	1 1/16	5,000
6807-16-16-4	1 5/16 - 12	1 5/16 - 12	1 1/2	2.05	1 5/16	4,000
6807-20-20-4	1 5/8 - 12	1 5/8 - 12	1 7/8	2.25	1 5/8	4,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

6809

O-Ring Boss Elbows and Tees Swivel Nut Boss Elbow



Reference
Parker Tube AOEX6
SAE J514

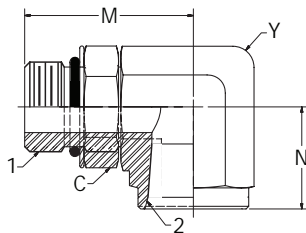
Part No.	1 Male ORB	2 Female JIC Swivel	C Nut Hex	C1 Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6809-04-04-4	7/16 - 20	7/16 - 20	9/16	9/16	1.03	0.94	7/16	6,000
6809-06-06-4	9/16 - 18	9/16 - 18	11/16	11/16	1.22	1.23	9/16	5,000
6809-08-06-4	3/4 - 16	9/16 - 18	7/8	11/16	1.45	1.23	3/4	5,000
6809-08-08-4	3/4 - 16	3/4 - 16	7/8	7/8	1.45	1.38	3/4	5,000
6809-10-10-4	7/8 - 14	7/8 - 14	1"	1"	1.70	1.62	7/8	5,000
6809-12-12-4	1 1/16 - 12	1 1/16 - 12	1 1/4	1 1/4	1.94	1.75	1 1/16	5,000
6809-16-16-4	1 5/16 - 12	1 5/16 - 12	1 1/2	1 1/2	2.05	2.01	1 5/16	3,600
6809-20-20-4 #	1 5/8 - 12	1 5/8 - 12	1 7/8	2"	2.25	2.31	1 5/8	3,600

Minimum Order Quantity May Apply.

4:1 Safety Factor

6815

Straight Thread Female Elbow



Reference
Parker Tube AOEG5
SAE J514

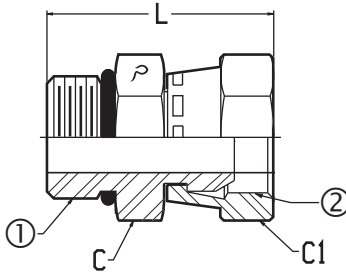
Part No.	1 Male ORB	2 Female ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6815-04-04-4	7/16 - 20	7/16 - 20	9/16	1.23	0.63	3/4	6,000
6815-06-06-4	9/16 - 18	9/16 - 18	11/16	1.38	1.01	7/8	5,000
6815-08-06-4 #	3/4 - 16	9/16 - 18	7/8	1.50	0.75	7/8	5,000
6815-08-08-4	3/4 - 16	3/4 - 16	7/8	1.59	1.08	1 1/16	5,000
6815-10-10-4 #	7/8 - 14	7/8 - 14	1"	1.81	1.02	1 1/16	4,500
6815-12-12-4	1 1/16 - 12	1 1/16 - 12	1 1/4	2.00	1.21	1 5/16	3,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

6900

O-Ring Boss Fittings x NPSM ORB - NPSM Adaptor



Reference
Aeroquip 2066
Parker Hose 0507
Parker Tube 0507
Weatherhead 9315
SAE 140157

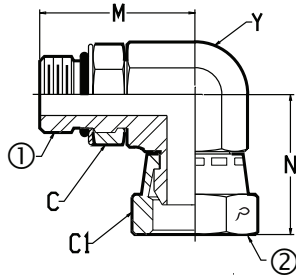
Part No.	1 Male ORB	2 Female NPSM Swivel	C Body Hex	C1 Nut Hex	L Length	Operating Pressure
6900-04-02 #	7/16 - 20	1/8 - 27	9/16	9/16	1.06	5,000
6900-04-04	7/16 - 20	1/4 - 18	9/16	11/16	1.29	5,000
6900-04-06	7/16 - 20	3/8 - 18	11/16	7/8	1.34	4,000
6900-05-04 #	1/2 - 20	1/4 - 18	5/8	11/16	1.28	5,000
6900-06-04	9/16 - 18	1/4 - 18	11/16	11/16	1.29	4,000
6900-06-06	9/16 - 18	3/8 - 18	11/16	7/8	1.37	4,000
6900-06-08	9/16 - 18	1/2 - 14	3/4	1"	1.57	3,500
6900-08-04	3/4 - 16	1/4 - 18	7/8	11/16	1.44	5,000
6900-08-06	3/4 - 16	3/8 - 18	7/8	7/8	1.53	3,500
6900-08-08	3/4 - 16	1/2 - 14	7/8	1"	1.51	3,500
6900-08-12 #	3/4 - 16	3/4 - 14	1"	1 1/4	1.81	2,200
6900-10-06	7/8 - 14	3/8 - 18	1"	7/8	1.59	4,000
6900-10-08	7/8 - 14	1/2 - 14	1"	1"	1.66	3,500
6900-10-12	7/8 - 14	3/4 - 14	1"	1 1/4	1.95	2,200
6900-12-08	1 1/16 - 12	1/2 - 14	1 1/4	1"	1.72	4,000
6900-12-12	1 1/16 - 12	3/4 - 14	1 1/4	1 1/4	1.97	3,500
6900-12-16	1 1/16 - 12	1 - 11 1/2	1 1/2	1 1/2	2.02	2,000
6900-14-12 #	1 3/16 - 12	3/4 - 14	1 3/8	1 1/4	1.92	2,300
6900-16-12	1 5/16 - 12	3/4 - 14	1 1/2	1 1/4	2.06	2,000
6900-16-16	1 5/16 - 12	1 - 11 1/2	1 1/2	1 1/2	2.03	2,000
6900-16-20 #	1 5/16 - 12	1 1/4 - 11 1/2	1 3/4	1 7/8	2.32	1,600
6900-20-16	1 5/8 - 12	1 - 11 1/2	1 7/8	1 1/2	2.18	1,200
6900-20-20	1 5/8 - 12	1 1/4 - 11 1/2	1 7/8	1 7/8	2.21	1,200
6900-24-24 #	1 7/8 - 12	1 1/2 - 11 1/2	2 1/8	2 1/8	2.39	1,200
6900-32-32 #	2 1/2 - 12	2 - 11 1/2	2 3/4	2 5/8	2.38	1,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

6901

O-Ring Boss Fittings x NPSM ORB - NPSM Elbow



Reference
Aeroquip 2068
Parker Hose 2507
Parker Tube 2507
Weatherhead 9515
SAE 140257

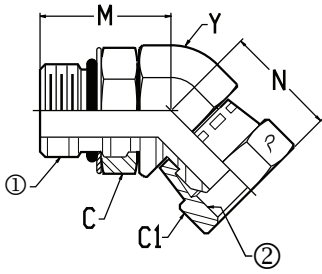
Part No.	1 Male ORB	2 Female NPSM Swivel	C Nut Hex	C1 Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6901-04-04-4	7/16 - 20	1/4 - 18	9/16	11/16	1.11	1.12	7/16	5,000
6901-04-06-4	7/16 - 20	3/8 - 18	9/16	7/8	1.28	1.23	9/16	4,000
6901-06-04-4	9/16 - 18	1/4 - 18	11/16	11/16	1.19	1.12	9/16	4,000
6901-06-06-4	9/16 - 18	3/8 - 18	11/16	7/8	1.25	1.10	9/16	4,000
6901-06-08-4	9/16 - 18	1/2 - 14	11/16	1"	1.41	1.29	3/4	3,500
6901-08-04-4	3/4 - 16	1/4 - 18	7/8	11/16	1.45	1.16	3/4	5,000
6901-08-06-4	3/4 - 16	3/8 - 18	7/8	7/8	1.49	1.34	3/4	3,500
6901-08-08-4	3/4 - 16	1/2 - 14	7/8	1"	1.46	1.28	3/4	3,500
6901-08-12-4	3/4 - 16	3/4 - 14	7/8	1 1/4	1.62	1.65	1 1/16	2,200
6901-10-06-4	7/8 - 14	3/8 - 18	1"	7/8	1.70	1.26	7/8	4,000
6901-10-08-4	7/8 - 14	1/2 - 14	1"	1"	1.62	1.44	7/8	3,500
6901-10-12-4	7/8 - 14	3/4 - 14	1"	1 1/4	1.78	1.61	1 1/16	2,200
6901-12-06-4 #	1 1/16 - 12	3/8 - 18	1 1/4	7/8	1.94	1.45	1 1/16	4,000
6901-12-08-4	1 1/16 - 12	1/2 - 14	1 1/4	1"	1.94	1.50	1 1/16	2,200
6901-12-12-4	1 1/16 - 12	3/4 - 14	1 1/4	1 1/4	1.94	1.69	1 1/16	2,200
6901-12-16-4	1 1/16 - 12	1 - 11 1/2	1 1/4	1 1/2	2.08	1.91	1 3/16	2,000
6901-14-12-4 #	1 3/16 - 12	3/4 - 14	1 3/8	1 1/4	2.00	1.81	1 5/16	2,200
6901-16-12-4	1 5/16 - 12	3/4 - 14	1 1/2	1 1/4	2.08	1.89	1 5/16	2,000
6901-16-16-4	1 5/16 - 12	1 - 11 1/2	1 1/2	1 1/2	2.08	1.86	1 5/16	2,000
6901-16-20-4	1 5/16 - 12	1 1/4 - 11 1/2	1 1/2	1 7/8	2.45	2.21	1 5/8	2,000
6901-20-16-4 #	1 5/8 - 12	1 - 11 1/2	1 7/8	1 1/2	2.25	2.10	1 5/8	2,000
6901-20-20-4	1 5/8 - 12	1 1/4 - 11 1/2	1 7/8	1 7/8	2.23	2.18	1 5/8	2,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

6902

O-Ring Boss Fittings x NPSM ORB - NPSM Elbow



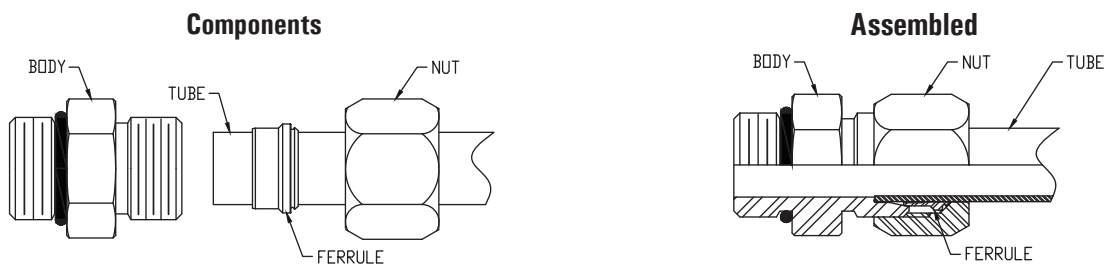
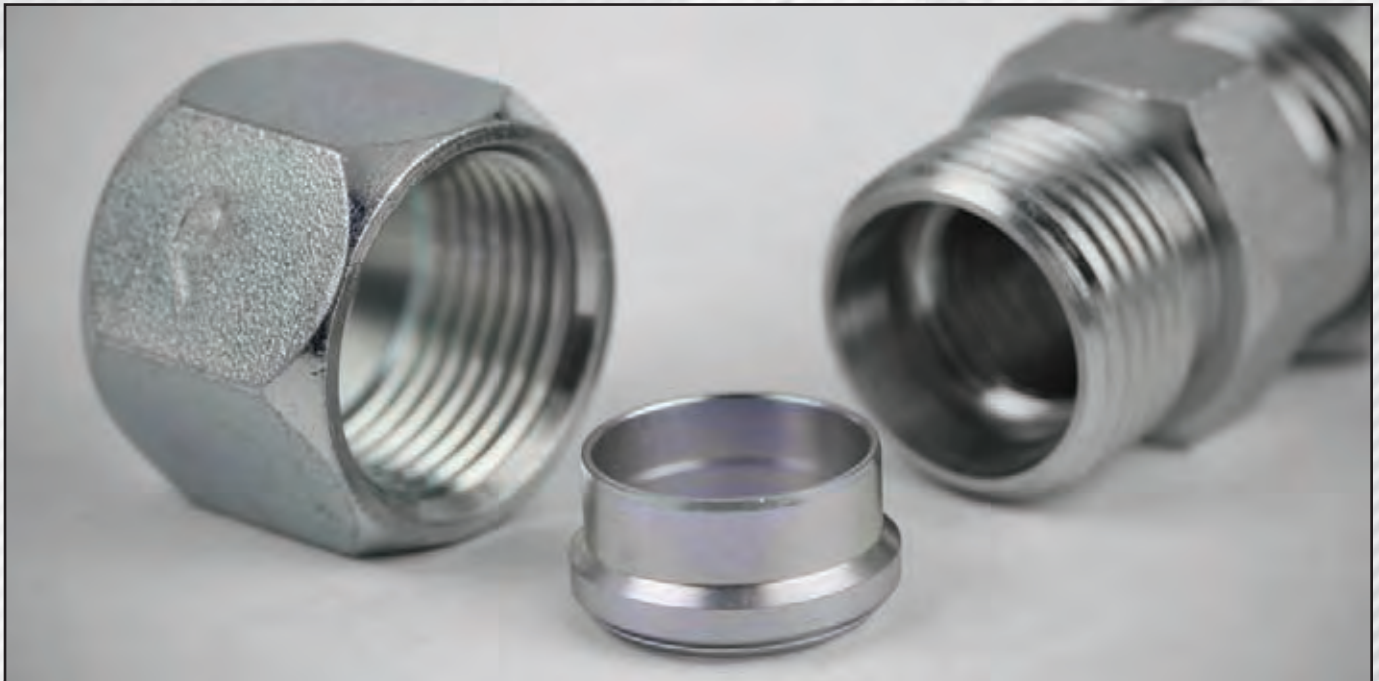
Reference
Aeroquip 2067
Parker Hose 3507
Parker Tube 3507
Weatherhead 9365
SAE 140357

Part No.	1 Male ORB	2 Female NPSM Swivel	C Nut Hex	C1 Nut Hex	M Length	N Length	Y Flats	Operating Pressure
6902-04-04-4	7/16 - 20	1/4 - 18	9/16	11/16	1.05	0.79	7/16	5,000
6902-06-04-4	9/16 - 18	1/4 - 18	11/16	11/16	1.11	0.94	9/16	4,000
6902-06-06-4	9/16 - 18	3/8 - 18	11/16	7/8	1.14	1.03	9/16	4,000
6902-08-06-4	3/4 - 16	3/8 - 18	7/8	7/8	1.30	1.02	3/4	3,500
6902-08-08-4	3/4 - 16	1/2 - 14	7/8	1"	1.30	1.18	3/4	3,500
6902-10-06-4	7/8 - 14	3/8 - 18	1"	7/8	1.50	0.98	7/8	4,000
6902-10-08-4 #	7/8 - 14	1/2 - 14	1"	1"	1.52	1.17	7/8	3,500
6902-10-12-4	7/8 - 14	3/4 - 14	1"	1 1/4	1.60	1.25	1 1/16	2,300
6902-12-08-4	1 1/16 - 12	1/2 - 14	1 1/4	1"	1.73	1.20	1 1/16	2,200
6902-12-12-4	1 1/16 - 12	3/4 - 14	1 1/4	1 1/4	1.73	1.37	1 1/16	2,200
6902-16-12-4	1 5/16 - 12	3/4 - 14	1 1/2	1 1/4	1.86	1.37	1 5/16	2,200
6902-16-16-4	1 5/16 - 12	1 - 11 1/2	1 1/2	1 1/2	1.86	1.52	1 5/16	2,000
6902-20-20-4 #	1 5/8 - 12	1 1/4 - 11 1/2	1 7/8	1 7/8	1.87	1.81	1 5/8	2,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

Flareless Fittings



Our Flareless fittings are interchangeable with **Parker Ferulok**® (style A ferrule) and **Eaton-Weatherhead Ermeto**® (style B ferrule) fittings. Also called "Compression Grip", or "Bite Type" fittings, This fitting provides a compact connection that is reliable, durable, and reusable.

The Flareless connection is a 3-piece design consisting of; the Nut, the Ferrule, also called a Sleeve, and the Body. It is popular for a variety of applications and environments world wide, not only because it is reliable and easy to assemble, but because the Flareless connection holds pressure so well that the tubing fails before the Flareless connection comes apart.

As the Flareless nut screws onto the body it slides the ferrule along the tube and presses it into the internal 24° cone of the body. As the hardened ferrule is being compressed into the body it bites 360° into the O.D. of the tube forcing the tube to also seat against the body. This creates a high pressure seal that is excellent against vibration as the connection force is distributed over multiple points, which dampen vibrations that can cause a connection to come loose.
















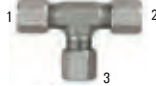












No special tools are required as NO flare is needed. Therefore, it is recommended for a wide range of seamless, medium to extra-heavy wall tubing with a maximum hardness of Rockwell B72. Steel and stainless steel tubing is the most common, but aluminum, copper, monel, titanium, and plastic tubing can be used as well.

Our Flareless Fittings come complete with nuts and ferrules assembled on the bodies, which also protect the threads.

See the *Flareless Assembly Instructions* on page 156.

Flareless Fittings are dimensionally standardized by SAE under J514, but because of differing manufacturing methods and interpretation of conformance, actual performance will vary between brands. This is where our Quality Assurance Department sets us apart from other manufacturers. Pressure Connections takes great pride in each fitting we sell. Standard material for our Flareless Fittings is steel with a RoHS compliant 96-hour salt spray finish that exceeds the SAE 72-hour salt spray requirement. For details about our Quality Assurance Program please reference the inside front cover of this catalog.

Flareless Fittings

C-304C (080112)  Pg. 157 Flareless Cap 1-FF	C-318 (080110)  Pgs. 157 Flareless Nut	C-319 (080115)  Pg. 158 Flareless Ferrule-Sleeve	C-2403 (080101)  Pg. 159 Flareless Union 1-MF 2-MF	C-2403LH (080119)  Pg. 159 Large Hex Union 1-MF 2-MF	C-2404 (080102)  Pg. 160 Male Connector 1-MF 2-MP	C-2405 (080103)  Pg. 161 Female Connector 1-MF 2-FP	C-2406 (080123)  Pg. 162 Flareless Tube Reducer 1-RTS 2-MF
C-2408 (080109)  Pg. 162 Flareless Plug 1-MF	C-2500 (080201)  Pgs. 163 Union Elbow 1-MF 2-MF	C-2501 (080202)  Pg. 164 Male Elbow 1-MF 2-MP	C-2502 (080203)  Pg. 165 Female Elbow 1-MF 2-FP	C-2503 (080302)  Pg. 165 Male Elbow 1-MF 2-MP	C-2601 (080425)  Pg. 166 Male Branch Tee 1-MF 2-MF 3-MP	C-2602 (080427)  Pg. 166 Female Branch Tee 1-MF 2-MF 3-FP	C-2603 (080401)  Pg. 167 Union Tee 1-MF 2-MF 3-MF
C-2605 (080424)  Pg. 168 Male Run Tee 1-MF 2-MP 3-MF	C-2606 (080426)  Pg. 168 Female Run Tee 1-MF 2-FP 3-MF	C-2700 (080601)  Pg. 169 Bulkhead Union 1-MF 2-BH MF	C-2701 (080701)  Pg. 169 Bulkhead Union Elbow 1-MF 2-BH MF	C-6400 (080120)  Pg. 170 Straight Thrd Connector 1-MF 2-MB	C-6500 (080221)  Pg. 171 Swivel Nut Elbow 1-MF 2-FFX	C-6600 (080433)  Pg. 171 Swivel Nut Branch Tee 1-MF 2-MF 3-FFX	C-6602 (080432)  Pg. 172 Swivel Nut Run Tee 1-MF 2-FFX 3-MF
C-6801 (080220)  Pg. 173 Straight Thread Elbow 1-MF 2-MB	C-6802 (080320)  Pg. 173 Straight Thread Elbow 1-MF 2-MB	C-6803 (080429)  Pg. 174 ORB Branch Tee 1-MF 2-MF 3-MB	C-6804 (080428)  Pg. 174 ORB Run Tee 1-MF 2-MB 3-MF	Our Flareless Fittings come with the required Nuts and Ferrules assembled on the body, and are interchangeable with Parker Ferulok® and Eaton-Weatherhead Ermeto®. © Registered Trademark			

● Available in **316 Stainless Steel**

Flareless Assembly Instructions

- Select tubing that meets the recommended SAE requirements for Flareless fittings and also meets the parameters per your environment and application. See table below.
- Cut the tubing** reasonably square (+/- 1°). A tubing cutter is NOT recommended for hard tubing like steel and stainless steel as this creates an internal burr, which is hard to remove, and causes a restriction in flow.
- Lubricate** the threads and the ferrule with 10W hydraulic oil.
- Slide the Nut** onto the tube and **then the Ferrule**, both oriented per the diagram on page 158.
- "Set" the Ferrule** onto the tube by inserting the tube into the pre-set tool, or fitting body, and threading the nut on finger tight. A pre-set tool is for setting the ferrule onto the tube prior to assembly. Continue by making a visual mark on the nut, and while pressing the tube firmly against the tool or fitting, tighten the nut another 1-3/4 turns from finger-tight.
- An **Inspection** should be made after the initial assembly to ensure that the ferrule has been properly "set" onto the tube. Disassemble the connection and make sure that the ferrule is "biting" into the tube properly.
- With the ferrule properly "set" onto the tube re-tighten the connection to finger tight, and then wrench-tighten another 1/3 – 1/2 of a turn. It is important to use the same nut-ferrule-body matched set to achieve a good connection. **This completes a Flareless connection.**

Caution: A Flareless connection cannot be checked by wrench torque, as a proper connection depends on the movement of the ferrule into the 24° cone of the body in order to effectively "bite" into the tube. This is why Pressure Connections only uses hardened ferrules.

FFX: Female Flareless Swivels assemble to finger tight and then wrench-tighten another 3/4 of a turn from finger tight for all sizes.

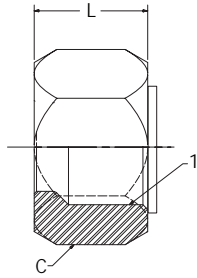
Tubing Wall Thickness Steel / Stainless Steel min. – max.

-04 = 0.028–0.065	-10 = 0.058–0.120
-06 = 0.035–0.095	-12 = 0.065–0.120
-08 = 0.049–0.120	-16 = 0.083–0.148

C-304C

Flareless Fittings Flareless Cap

Reference
Parker Tube FNU
Weatherhead 7129
SAE 080112



Part No.	Tube O.D.	1 Female Flareless	C Hex	L Length	Operating Pressure
C-304C-04 #	1/4	7/16 - 20	9/16	0.73	6,000
C-304C-06	3/8	9/16 - 18	11/16	0.80	6,000
C-304C-08 #	1/2	3/4 - 16	7/8	0.87	5,000
C-304C-10 #	5/8	7/8 - 14	1"	0.98	5,000
C-304C-12 #	3/4	1 1/16 - 12	1 1/4	1.00	4,500
C-304C-16 #	1"	1 5/16 - 12	1 1/2	1.08	4,000
C-304C-20 #	1 1/4	1 5/8 - 12	2"	1.11	3,000

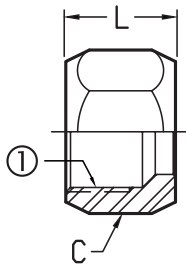
Minimum Order Quantity May Apply.

4:1 Safety Factor

C-318

Flareless Tube Nut

Reference
Parker Tube BU
Weatherhead 7105
SAE 080110



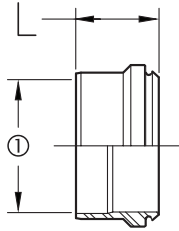
Part No.	Tube O.D.	1 Female Flareless	C Hex	L Length
C-318-02 #	1/8	5/16 - 24	3/8	0.53
C-318-03 #	3/16	3/8 - 24	7/16	0.61
C-318-04	1/4	7/16 - 20	9/16	0.70
C-318-05 #	5/16	1/2 - 20	5/8	0.72
C-318-06	3/8	9/16 - 18	11/16	0.75
C-318-08	1/2	3/4 - 16	7/8	0.84
C-318-10	5/8	7/8 - 14	1"	0.92
C-318-12	3/4	1 1/16 - 12	1 1/4	0.97
C-318-14 #	7/8	1 3/16 - 12	1 3/8	1.00
C-318-16	1"	1 5/16 - 12	1 1/2	1.05
C-318-20 #	1 1/4	1 5/8 - 12	2"	1.05
C-318-24 #	1 1/2	1 7/8 - 12	2 1/4	1.03
C-318-32 #	2"	2 1/2 - 12	2 7/8	1.12

Minimum Order Quantity May Apply.

C-319

Flareless Fittings Flareless Tube Ferrule

Reference
Parker Tube TU
Weatherhead 7165
SAE 080115

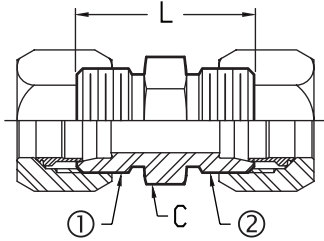


Part No.	Tube O.D.	1 Diameter	L Length
C-319-02 #	1/8	0.130	0.290
C-319-03 #	3/16	0.190	0.330
C-319-04	1/4	0.367	0.36
C-319-05 #	5/16	0.320	0.370
C-319-06	3/8	0.492	0.47
C-319-08	1/2	0.663	0.43
C-319-10	5/8	0.780	0.44
C-319-12	3/4	0.925	0.48
C-319-14 #	7/8	0.880	0.480
C-319-16	1"	1.187	0.48
C-319-20 #	1 1/4	1.260	0.480
C-319-24 #	1 1/2	1.510	0.480
C-319-32 #	2"	2.010	0.510

Minimum Order Quantity May Apply.

C-2403

Flareless Fittings Flareless Union



Reference
Parker Tube HBU
Weatherhead 7305
SAE 080101

Part No.	Tube O.D.	1 Male Flareless	2 Male Flareless	C Hex	L Length	Operating Pressure
C-2403-02-02 #	1/8	5/16 - 24	5/16 - 24	7/16	1.02	6,000
C-2403-03-03 #	3/16	3/8 - 24	3/8 - 24	7/16	1.11	6,000
C-2403-04-04	1/4	7/16 - 20	7/16 - 20	1/2	1.18	6,000
C-2403-05-05 #	5/16	1/2 - 20	1/2 - 20	9/16	1.18	6,000
C-2403-06-04 #	3/8 x 1/4	9/16 - 18	7/16 - 20	5/8	1.22	6,000
C-2403-06-06	3/8	9/16 - 18	9/16 - 18	5/8	1.24	6,000
C-2403-08-06 #	1/2 x 3/8	3/4 - 16	9/16 - 18	13/16	—	5,000
C-2403-08-08	1/2	3/4 - 16	3/4 - 16	13/16	1.42	5,000
C-2403-10-10	5/8	7/8 - 14	7/8 - 14	15/16	1.61	5,000
C-2403-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1 1/8	1.81	4,500
C-2403-14-14 #	7/8	1 3/16 - 12	1 3/16 - 12	1 1/4	1.81	4,000
C-2403-16-16	1"	1 5/16 - 12	1 5/16 - 12	1 3/8	1.81	4,000
C-2403-20-20 #	1 1/4	1 5/8 - 12	1 5/8 - 12	1 11/16	1.89	3,000
C-2403-32-32 #	2"	2 1/2 - 12	2 1/2 - 12	2 5/8	2.11	1,500

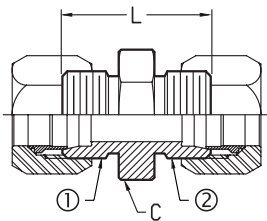
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

C-2403LH

Flareless Large Hex Union



Reference
Parker Tube LHBU
Weatherhead 7306
SAE 080119

Part No.	Tube O.D.	1 Male Flareless	2 Male Flareless	C Hex	L Length	Operating Pressure
C-2403LH-04-04 #	1/4	7/16 - 20	7/16 - 20	11/16	1.19	6,000
C-2403LH-06-06 #	3/8	9/16 - 18	9/16 - 18	13/16	1.23	6,000
C-2403LH-08-06 #	1/2 x 3/8	3/4 - 16	9/16 - 18	1"	1.33	5,000
C-2403LH-08-08 #	1/2	3/4 - 16	3/4 - 16	1"	1.42	5,000
C-2403LH-10-10 #	5/8	7/8 - 14	7/8 - 14	1 1/8	1.61	5,000
C-2403LH-12-12 #	3/4	1 1/16 - 12	1 1/16 - 12	1 3/8	1.81	4,500
C-2403LH-16-16 #	1"	1 5/16 - 12	1 5/16 - 12	1 5/8	1.81	4,000

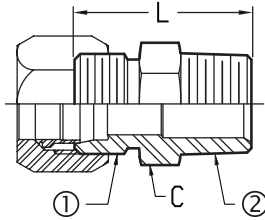
Minimum Order Quantity May Apply.

4:1 Safety Factor

C-2404

Flareless Fittings Flareless Male Connector

Reference
Parker Tube FBU
Weatherhead 7205
SAE 080102



Part No.	Tube O.D.	1 Male Flareless	2 Male NPTF	C Hex	L Length	Operating Pressure
C-2404-02-02 #	1/8	5/16 - 24	1/8 - 27	7/16	1.03	5,000
C-2404-02-04 #	1/8	5/16 - 24	1/4 - 18	9/16	1.25	5,000
C-2404-03-02 #	3/16	3/8 - 24	1/8 - 27	7/16	1.09	5,000
C-2404-04-02	1/4	7/16 - 20	1/8 - 27	1/2	1.12	5,000
C-2404-04-04	1/4	7/16 - 20	1/4 - 18	9/16	1.33	5,000
C-2404-04-06	1/4	7/16 - 20	3/8 - 18	3/4	1.33	5,000
C-2404-04-08	1/4	7/16 - 20	1/2 - 14	7/8	1.58	5,000
C-2404-05-02 #	5/16	1/2 - 20	1/8 - 27	9/16	1.12	5,000
C-2404-05-04 #	5/16	1/2 - 20	1/4 - 18	9/16	1.34	5,000
C-2404-06-02 #	3/8	9/16 - 18	1/8 - 27	5/8	1.16	5,000
C-2404-06-04	3/8	9/16 - 18	1/4 - 18	5/8	1.34	5,000
C-2404-06-06	3/8	9/16 - 18	3/8 - 18	3/4	1.35	5,000
C-2404-06-08	3/8	9/16 - 18	1/2 - 14	15/16	1.60	5,000
C-2404-08-04 #	1/2	3/4 - 16	1/4 - 18	13/16	1.44	5,000
C-2404-08-06	1/2	3/4 - 16	3/8 - 18	13/16	1.44	5,000
C-2404-08-08	1/2	3/4 - 16	1/2 - 14	7/8	1.69	5,000
C-2404-08-12	1/2	3/4 - 16	3/4 - 14	1 1/8	1.75	4,000
C-2404-10-06	5/8	7/8 - 14	3/8 - 18	15/16	1.56	4,500
C-2404-10-08	5/8	7/8 - 14	1/2 - 14	15/16	1.75	4,500
C-2404-12-08 #	3/4	1 1/16 - 12	1/2 - 14	1 1/8	1.88	4,000
C-2404-12-12	3/4	1 1/16 - 12	3/4 - 14	1 1/8	1.88	4,000
C-2404-14-12 #	7/8	1 3/16 - 12	3/4 - 14	1 1/4	1.88	3,000
C-2404-16-12 #	1"	1 5/16 - 12	3/4 - 14	1 3/8	1.88	3,000
C-2404-16-16	1"	1 5/16 - 12	1 - 11 1/2	1 3/8	2.08	3,000
C-2404-20-20 #	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	1 11/16	2.19	2,500
C-2404-24-24 #	1 1/2	1 7/8 - 12	1 1/2 - 11 1/2	2"	2.28	2,500
C-2404-32-32 #	2"	2 1/2 - 12	2 - 11 1/2	2 3/4	2.47	2,000

• Available in 316 Stainless Steel

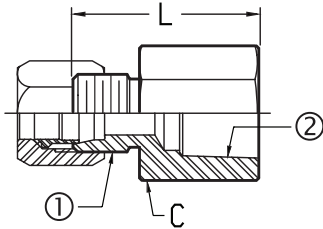
4:1 Safety Factor

Minimum Order Quantity May Apply.

C-2405

Flareless Fittings Flareless Female Connector

Reference
Parker Tube GBU
Weatherhead 7255
SAE 080103



Part No.	Tube O.D.	1 Male Flareless	2 Female NPTF	C Hex	L Length	Operating Pressure
C-2405-02-02 #	1/8	5/16 - 24	1/8 - 27	9/16	1.05	5,000
C-2405-03-02 #	3/16	3/8 - 24	1/8 - 27	9/16	1.07	5,000
C-2405-04-02 #	1/4	7/16 - 20	1/8 - 27	9/16	1.09	5,000
C-2405-04-04	1/4	7/16 - 20	1/4 - 18	3/4	1.29	5,000
C-2405-05-02 #	5/16	1/2 - 20	1/8 - 27	9/16	1.08	5,000
C-2405-06-04 #	3/8	9/16 - 18	1/4 - 18	3/4	1.31	5,000
C-2405-06-06 #	3/8	9/16 - 18	3/8 - 18	7/8	1.34	5,000
C-2405-08-04 #	1/2	3/4 - 16	1/4 - 18	7/8	1.46	5,000
C-2405-08-06 #	1/2	3/4 - 16	3/8 - 18	7/8	1.47	5,000
C-2405-08-08	1/2	3/4 - 16	1/2 - 14	1 1/8	1.70	5,000
C-2405-10-08 #	5/8	7/8 - 14	1/2 - 14	1 1/8	1.77	4,500
C-2405-12-12 #	3/4	1 1/16 - 12	3/4 - 14	1 3/8	1.89	4,000
C-2405-14-12 #	7/8	1 3/16 - 12	3/4 - 14	1 3/8	1.86	3,000
C-2405-16-16 #	1"	1 5/16 - 12	1 - 11 1/2	1 5/8	2.13	3,000
C-2405-20-20 #	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	2"	2.22	2,500

• Available in **316 Stainless Steel**

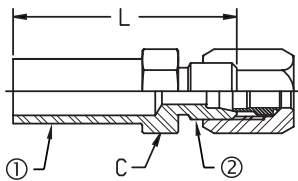
4:1 Safety Factor

*# Minimum Order Quantity May Apply.

C-2406

Flareless Fittings Flareless Tube Reducer

Reference
Parker Tube TTRBU
Weatherhead 7015
SAE 080123



Part No.	Tube O.D.	1 Female Flareless	2 Male Flareless	C Hex	L Length	Operating Pressure
C-2406-06-04 #	3/8 x 1/4	9/16 - 18	7/16 - 20	1/2	1.61	6,000
C-2406-08-04 #	1/2 x 1/4	3/4 - 16	7/16 - 20	9/16	1.73	5,000
C-2406-08-06 #	1/2 x 3/8	3/4 - 16	9/16 - 18	5/8	1.77	5,000
C-2406-10-08 #	5/8 x 1/2	7/8 - 14	3/4 - 16	13/16	1.95	4,500
C-2406-12-06 #	3/4 x 3/8	1 1/16 - 12	9/16 - 18	13/16	1.94	4,500
C-2406-12-08 #	3/4 x 1/2	1 1/16 - 12	3/4 - 16	13/16	2.03	4,500
C-2406-16-08 #	1" x 1/2	1 5/16 - 12	3/4 - 16	1 1/16	2.05	4,000
C-2406-16-12 #	1" x 3/4	1 5/16 - 12	1 1/16 - 12	1 1/8	2.25	4,000

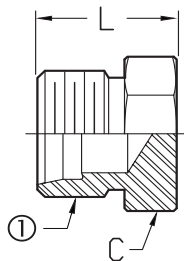
*# Minimum Order Quantity May Apply.

4:1 Safety Factor

C-2408

Flareless Tube Plug

Reference
Parker Tube PNU
Weatherhead 7229
SAE 080109



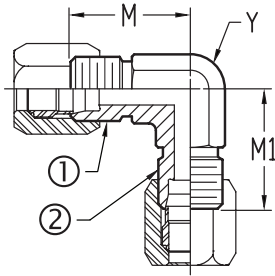
Part No.	Tube O.D.	1 Male Flareless	C Hex	L Length	Operating Pressure
C-2408-02 #	1/8	5/16 - 24	7/16	0.63	6,000
C-2408-04 #	1/4	7/16 - 20	1/2	0.72	6,000
C-2408-05 #	5/16	1/2 - 20	9/16	0.72	6,000
C-2408-06 #	3/8	9/16 - 18	5/8	0.75	6,000
C-2408-08 #	1/2	3/4 - 16	13/16	0.85	5,000
C-2408-10 #	5/8	7/8 - 14	15/16	0.97	5,000
C-2408-12 #	3/4	1 1/16 - 12	1 1/8	1.09	4,500
C-2408-16 #	1"	1 5/16 - 12	1 3/8	1.09	4,000

*# Minimum Order Quantity May Apply.

4:1 Safety Factor

C-2500

Flareless Fittings Flareless Union Elbow



Reference
Parker Tube EBU
Weatherhead 7505
SAE 080201

Part No.	Tube O.D.	1 Male Flareless	2 Male Flareless	M Length	M1 Length	Y Flats	Operating Pressure
C-2500-04-02 #	1/4 x 1/8	7/16 - 20	5/16 - 24	0.89	0.78	7/16	5,000
C-2500-04-04 #	1/4	7/16 - 20	7/16 - 20	0.89	0.89	7/16	5,000
C-2500-05-05	5/16	1/2 - 20	1/2 - 20	0.95	0.95	9/16	5,000
C-2500-06-06	3/8	9/16 - 18	9/16 - 18	1.05	1.05	9/16	5,000
C-2500-08-08 #	1/2	3/4 - 16	3/4 - 16	1.25	1.25	3/4	5,000
C-2500-10-10 #	5/8	7/8 - 14	7/8 - 14	1.42	1.42	7/8	4,500
C-2500-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1.58	1.58	1 1/16	4,000
C-2500-14-14 #	7/8	1 3/16 - 12	1 3/16 - 12	1.66	1.66	1 5/16	3,000
C-2500-16-16 #	1"	1 5/16 - 12	1 5/16 - 12	1.73	1.73	1 5/16	3,000
C-2500-20-20 #	1 1/4	1 5/8 - 12	1 5/8 - 12	1.89	1.89	1 5/8	2,500
C-2500-24-24 #	1 1/2	1 7/8 - 12	1 7/8 - 12	2.02	2.02	1 7/8	2,000

• Available in **316 Stainless Steel**

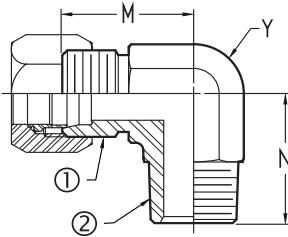
4:1 Safety Factor

*# Minimum Order Quantity May Apply.

C-2501

Flareless Fittings Flareless Male Elbow

Reference
Parker Tube CBU
Weatherhead 7405
SAE 080202



Part No.	Tube O.D.	1 Male Flareless	2 Male NPTF	M Length	N Length	Y Flats	Operating Pressure
C-2501-02-02	1/8	5/16 - 24	1/8 - 27	0.78	0.72	7/16	5,000
C-2501-03-02	3/16	3/8 - 24	1/8 - 27	0.84	0.72	7/16	5,000
C-2501-04-02	1/4	7/16 - 20	1/8 - 27	0.95	0.78	7/16	5,000
C-2501-04-04	1/4	7/16 - 20	1/4 - 18	1.09	1.09	9/16	5,000
C-2501-05-02	5/16	1/2 - 20	1/8 - 27	0.95	0.81	9/16	5,000
C-2501-05-04 #	5/16	1/2 - 20	1/4 - 18	1.03	1.09	9/16	5,000
C-2501-06-02 #	3/8	9/16 - 18	1/8 - 27	1.05	0.88	9/16	5,000
C-2501-06-04	3/8	9/16 - 18	1/4 - 18	1.05	1.09	9/16	5,000
C-2501-06-06	3/8	9/16 - 18	3/8 - 18	1.14	1.22	3/4	5,000
C-2501-06-08 #	3/8	9/16 - 18	1/2 - 14	1.23	1.47	7/8	5,000
C-2501-08-04 #	1/2	3/4 - 16	1/4 - 18	1.25	1.16	3/4	5,000
C-2501-08-06	1/2	3/4 - 16	3/8 - 18	1.25	1.22	3/4	5,000
C-2501-08-08	1/2	3/4 - 16	1/2 - 14	1.35	1.47	7/8	5,000
C-2501-10-06 #	5/8	7/8 - 14	3/8 - 18	1.42	1.28	7/8	4,500
C-2501-10-08	5/8	7/8 - 14	1/2 - 14	1.42	1.47	7/8	4,500
C-2501-12-08 #	3/4	1 1/16 - 12	1/2 - 14	1.58	1.59	1 1/16	4,000
C-2501-12-12	3/4	1 1/16 - 12	3/4 - 14	1.58	1.59	1 1/16	4,000
C-2501-14-12 #	7/8	1 3/16 - 12	3/4 - 14	1.66	1.69	1 5/16	3,000
C-2501-16-12 #	1"	1 5/16 - 12	3/4 - 14	1.73	1.78	1 5/16	3,000
C-2501-16-16	1"	1 5/16 - 12	1 - 11 1/2	1.73	1.97	1 5/16	3,000
C-2501-20-20 #	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	1.89	2.38	1 5/8	2,500
C-2501-24-24 #	1 1/2	1 7/8 - 12	1 1/2 - 11 1/2	2.02	2.64	1 7/8	2,500
C-2501-32-32 #	2"	2 1/2 - 12	2 - 11 1/2	2.45	3.00	2 1/2	2,000

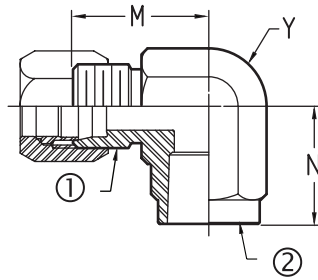
• Available in 316 Stainless Steel

4:1 Safety Factor

Minimum Order Quantity May Apply.

C-2502

Flareless Fittings Flareless Female Elbow



Reference
Parker Tube DBU
Weatherhead 7455
SAE 080203

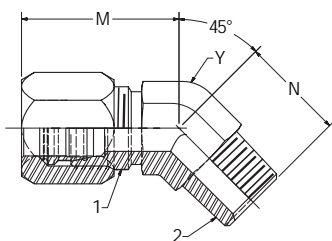
Part No.	Tube O.D.	1 Male Flareless	2 Female NPTF	M Length	N Length	Y Flats	Operating Pressure
C-2502-04-02 #	1/4	7/16 - 20	1/8 - 27	0.89	0.66	9/16	5,000
C-2502-04-04 #	1/4	7/16 - 20	1/4 - 18	1.03	0.88	3/4	5,000
C-2502-06-04 #	3/8	9/16 - 18	1/4 - 18	1.05	0.88	3/4	5,000
C-2502-06-06 #	3/8	9/16 - 18	3/8 - 18	1.13	1.02	7/8	4,500
C-2502-08-06 #	1/2	3/4 - 16	3/8 - 18	1.23	1.02	7/8	3,000
C-2502-08-08	1/2	3/4 - 16	1/2 - 14	1.34	1.23	1 1/16	3,000
C-2502-10-08 #	5/8	7/8 - 14	1/2 - 14	1.42	1.23	1 1/16	3,000
C-2502-12-12 #	3/4	1 1/16 - 12	3/4 - 14	1.58	1.36	1 5/16	3,000
C-2502-14-12 #	7/8	1 3/16 - 12	3/4 - 14	1.62	1.42	1 5/16	3,000
C-2502-16-16 #	1"	1 5/16 - 12	1 - 11 1/2	1.73	1.63	1 5/8	1,700

Minimum Order Quantity May Apply.

4:1 Safety Factor

C-2503

Flareless Male Elbow



Reference
Parker Tube VBU
Weatherhead 7355
SAE 080302

Part No.	Tube O.D.	1 Male Flareless	2 Male NPTF	M Length	N Length	Y Flats	Operating Pressure
C-2503-04-02 #	1/4	7/16 - 20	1/8 - 27	0.70	0.64	7/16	5,000
C-2503-04-04 #	1/4	7/16 - 20	1/4 - 18	0.81	0.86	9/16	5,000
C-2503-05-02 #	5/16	1/2 - 20	1/8 - 27	0.75	0.66	9/16	5,000
C-2503-06-04	3/8	9/16 - 18	1/4 - 18	0.83	0.86	9/16	5,000
C-2503-08-06 #	1/2	3/4 - 16	3/8 - 18	0.98	0.95	3/4	5,000
C-2503-10-08 #	5/8	7/8 - 14	1/2 - 14	1.08	1.17	7/8	4,500
C-2503-12-12 #	3/4	1 1/16 - 12	3/4 - 14	1.27	1.20	1 1/16	4,000
C-2503-16-16 #	1"	1 5/16 - 12	1 - 11 1/2	1.36	1.48	1 5/16	3,000

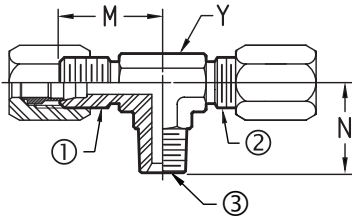
Minimum Order Quantity May Apply.

4:1 Safety Factor

C-2601

Flareless Fittings Flareless Male Branch Tee

Reference
Parker Tube SBU
Weatherhead 7605
SAE 080425



Part No.	Tube O.D.	1-2 Male Flareless	3 Male NPTF	M Length	N Length	Y Flats	Operating Pressure
C-2601-04-04-02 #	1/4	7/16 - 20	1/8 - 27	0.89	0.78	7/16	5,000
C-2601-04-04-04 #	1/4	7/16 - 20	1/4 - 18	1.03	1.09	9/16	5,000
C-2601-05-05-02 #	5/16	1/2 - 20	1/8 - 27	0.95	0.81	9/16	5,000
C-2601-06-06-04 #	3/8	9/16 - 18	1/4 - 18	1.05	1.09	9/16	5,000
C-2601-08-08-06 #	1/2	3/4 - 16	3/8 - 18	1.25	1.22	3/4	5,000
C-2601-08-08-08 #	1/2	3/4 - 16	1/2 - 14	1.34	1.47	7/8	5,000
C-2601-10-10-08 #	5/8	7/8 - 14	1/2 - 14	1.42	1.47	7/8	4,500
C-2601-12-12-12 #	3/4	1 1/16 - 12	3/4 - 14	1.58	1.59	1 1/16	4,000
C-2601-16-16-16 #	1"	1 5/16 - 12	1 - 11 1/2	1.73	1.97	1 5/16	3,000

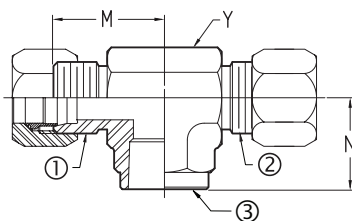
Minimum Order Quantity May Apply.

4:1 Safety Factor

C-2602

Flareless Fittings Flareless Female Branch Tee

Reference
Parker Tube OBU
Weatherhead 7655
SAE 080427



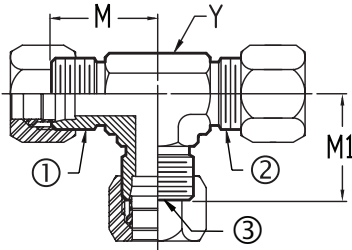
Part No.	Tube O.D.	1-2 Male Flareless	3 Female NPTF	M Length	N Length	Y Flats	Operating Pressure
C-2602-04-04-02 #	1/4	7/16 - 20	1/8 - 27	0.89	0.66	9/16	5,000
C-2602-04-04-04 #	1/4	7/16 - 20	1/4 - 18	1.03	0.88	3/4	5,000
C-2602-06-06-04 #	3/8	9/16 - 18	1/4 - 18	1.05	0.88	3/4	5,000
C-2602-08-08-06 #	1/2	3/4 - 16	3/8 - 18	1.23	1.02	7/8	3,000
C-2602-10-10-08 #	5/8	7/8 - 14	1/2 - 14	1.42	1.23	1 1/16	3,000
C-2602-12-12-12 #	3/4	1 1/16 - 12	3/4 - 14	1.58	1.36	1 5/16	3,000
C-2602-14-14-12 #	7/8	1 3/16 - 12	3/4 - 14	1.62	1.42	1 5/16	3,000
C-2602-16-16-16 #	1"	1 5/16 - 12	1 - 11 1/2	1.73	1.62	1 5/8	1,700
C-2602-20-20-20 #	1 1/4	1 5/8 - 12	1 1/4 - 11 1/2	2.08	1.70	1 7/8	1,500

Minimum Order Quantity May Apply.

4:1 Safety Factor

C-2603

Flareless Fittings Flareless Union Tee



Reference
Parker Tube JBU
Weatherhead 7705
SAE 080401

Part No.	Tube O.D.	1-2 Male Flareless	3 Male Flareless	M Length	M1 Length	Y Flats	Operating Pressure
C-2603-03-03-03 #	3/16	3/8 - 24	3/8 - 24	0.84	0.84	7/16	5,000
C-2603-04-04-04	1/4	7/16 - 20	7/16 - 20	0.89	0.89	7/16	5,000
C-2603-05-05-05 #	5/16	1/2 - 20	1/2 - 20	0.95	0.95	9/16	5,000
C-2603-06-06-06	3/8	9/16 - 18	9/16 - 18	1.05	1.05	9/16	5,000
C-2603-08-08-08	1/2	3/4 - 16	3/4 - 16	1.25	1.25	3/4	5,000
C-2603-10-10-08 #	5/8	7/8 - 14	7/8 - 14	1.42	1.42	7/8	4,500
C-2603-10-10-10 #	5/8	7/8 - 14	7/8 - 14	1.42	1.42	7/8	4,500
C-2603-12-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1.58	1.58	1 1/16	4,000
C-2603-14-14-14 #	7/8	1 3/16 - 12	1 3/16 - 12	1.66	1.66	1 5/16	3,000
C-2603-16-16-16 #	1"	1 5/16 - 12	1 5/16 - 12	1.73	1.73	1 5/16	3,000

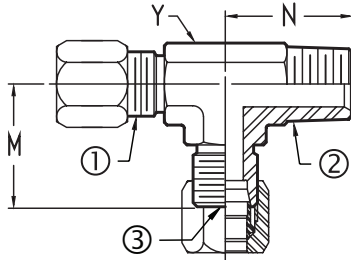
• Available in **316 Stainless Steel**

4:1 Safety Factor

Minimum Order Quantity May Apply.

C-2605

Flareless Fittings Flareless Male Run Tee



Reference
Parker Tube RBU
Weatherhead 7755
SAE 080424

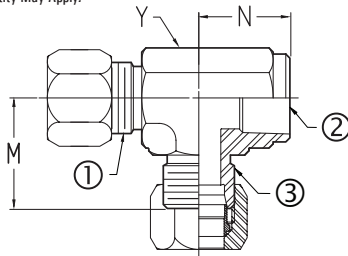
Part No.	Tube O.D.	1-3 Male Flareless	2 Male NPTF	M Length	N Length	Y Flats	Operating Pressure
C-2605-04-02-04 #	1/4	7/16 - 20	1/8 - 27	0.89	0.78	7/16	5,000
C-2605-04-04-04	1/4	7/16 - 20	1/4 - 18	1.03	1.09	9/16	5,000
C-2605-06-04-06 #	3/8	9/16 - 18	1/4 - 18	1.05	1.09	9/16	5,000
C-2605-06-06-06 #	3/8	9/16 - 18	3/8 - 18	1.14	1.22	3/4	5,000
C-2605-08-06-08 #	1/2	3/4 - 16	3/8 - 18	1.25	1.22	3/4	5,000
C-2605-08-08-08	1/2	3/4 - 16	1/2 - 14	1.35	1.47	7/8	5,000
C-2605-10-08-10 #	5/8	7/8 - 14	1/2 - 14	1.42	1.47	7/8	4,500
C-2605-12-12-12 #	3/4	1 1/16 - 12	3/4 - 14	1.58	1.59	1 1/16	4,000
C-2605-16-16-16 #	1"	1 5/16 - 12	1 - 11 1/2	1.73	1.97	1 5/16	3,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

C-2606

Flareless Fittings Flareless Female Run Tee



Reference
Parker Tube MBU
Weatherhead 7805
SAE 080426

Minimum Order Quantity May Apply.

Part No.	Tube O.D.	1-3 Male Flareless	2 Female NPTF	M Length	N Length	Y Flats	Operating Pressure
C-2606-04-02-04 #	1/4	7/16 - 20	1/8 - 27	0.89	0.66	9/16	5,000
C-2606-04-04-04 #	1/4	7/16 - 20	1/4 - 18	1.03	0.88	3/4	5,000
C-2606-06-04-06 #	3/8	9/16 - 18	1/4 - 18	1.05	0.88	3/4	5,000
C-2606-08-06-08 #	1/2	3/4 - 16	3/8 - 18	1.23	1.02	7/8	3,000
C-2606-10-08-10 #	5/8	7/8 - 14	1/2 - 14	1.42	1.23	1 1/16	3,000
C-2606-12-12-12 #	3/4	1 1/16 - 12	3/4 - 14	1.58	1.36	1 5/16	3,000
C-2606-16-16-16 #	1"	1 5/16 - 12	1 - 11 1/2	1.73	1.62	1 5/8	1,700

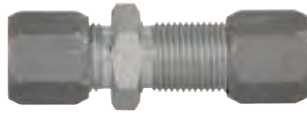
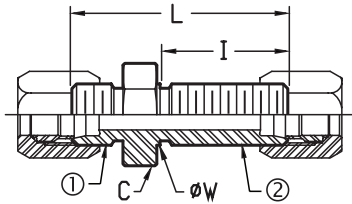
Minimum Order Quantity May Apply.

4:1 Safety Factor

C-2700

Flareless Fittings Flareless Bulkhead Union

Reference
Parker Tube WBU
Weatherhead 7325
SAE 080601



Part No.	Tube O.D.	1 Male Flareless	2 Male Bulkhead Flareless	C Hex	I Assm.	L Length	Ø W Diameter	Operating Pressure
C-2700-04-04 #	1/4	7/16 - 20	7/16 - 20	11/16	1.12	1.89	0.44	7,500
C-2700-06-06 #	3/8	9/16 - 18	9/16 - 18	13/16	1.17	1.98	0.56	6,000
C-2700-08-08 #	1/2	3/4 - 16	3/4 - 16	1"	1.31	2.22	0.75	6,000
C-2700-10-10 #	5/8	7/8 - 14	7/8 - 14	1 1/8	1.45	2.48	0.88	5,000
C-2700-12-12 #	3/4	1 1/16 - 12	1 1/16 - 12	1 3/8	1.56	2.72	1.06	5,000
C-2700-16-16 #	1"	1 5/16 - 12	1 5/16 - 12	1 5/8	1.56	2.72	1.31	4,000

For a Locknut (306) assembled on the body, just add suffix "LN" to the series number (example: C-2700LN).

4:1 Safety Factor

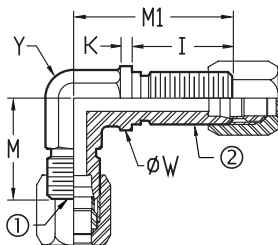
• Available in **316 Stainless Steel**

"#" Minimum Order Quantity May Apply.

C-2701

Flareless Bulkhead Union

Reference
Parker Tube WEBU
Weatherhead 7525
SAE 080701



Part No.	Tube O.D.	1 Male Flareless	2 Male Bulkhead Flareless	I Assm.	K Thick	M Length	M1 Length	Ø W Diameter	Y Flats	Operating Pressure
C-2701-04-04 #	1/4	7/16 - 20	7/16 - 20	0.94	0.094	0.95	1.52	0.44	7/16	5,000
C-2701-06-06 #	3/8	9/16 - 18	9/16 - 18	0.98	0.094	1.08	1.70	0.56	9/16	5,000
C-2701-08-08 #	1/2	3/4 - 16	3/4 - 16	1.12	0.125	1.33	1.97	0.75	3/4	5,000
C-2701-10-10 #	5/8	7/8 - 14	7/8 - 14	1.27	0.125	1.52	2.27	0.88	7/8	4,500
C-2701-12-12 #	3/4	1 1/16 - 12	1 1/16 - 12	1.38	0.125	1.64	2.48	1.06	1 1/16	4,000
C-2701-16-16 #	1"	1 5/16 - 12	1 5/16 - 12	1.38	0.125	1.73	2.61	1.31	1 5/16	3,000

For a Locknut (306) assembled on the body, just add suffix "LN" to the series number (example: C-2701LN).

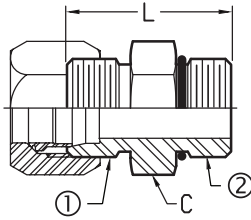
4:1 Safety Factor

"#" Minimum Order Quantity May Apply.

C-6400

Flareless Fittings Flareless Straight Thread Connector

Reference
Parker Tube F5BU
Weatherhead 7315
SAE 080120



Part No.	Tube O.D.	1 Male Flareless	2 Male ORB	C Hex	L Length	Operating Pressure
C-6400-03-03 #	3/16	3/8 - 24	3/8 - 24	1/2	1.05	5,000
C-6400-04-04	1/4	7/16 - 20	7/16 - 20	9/16	1.13	5,000
C-6400-04-05	1/4	7/16 - 20	1/2 - 20	5/8	1.13	5,000
C-6400-04-06	1/4	7/16 - 20	9/16 - 18	11/16	1.19	5,000
C-6400-05-05 #	5/16	1/2 - 20	1/2 - 20	5/8	1.13	5,000
C-6400-06-06	3/8	9/16 - 18	9/16 - 18	11/16	1.22	5,000
C-6400-06-08	3/8	9/16 - 18	3/4 - 16	7/8	1.29	5,000
C-6400-08-08	1/2	3/4 - 16	3/4 - 16	7/8	1.38	5,000
C-6400-08-10	1/2	3/4 - 16	7/8 - 14	1"	1.51	5,000
C-6400-08-12	1/2	3/4 - 16	1 1/16 - 12	1 1/4	1.67	4,500
C-6400-10-10	5/8	7/8 - 14	7/8 - 14	1"	1.57	5,000
C-6400-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.78	4,500
C-6400-12-16	3/4	1 1/16 - 12	1 5/16 - 12	1 1/2	1.81	4,000
C-6400-14-14 #	7/8	1 3/16 - 12	1 3/16 - 12	1 3/8	1.81	3,000
C-6400-16-12 #	1"	1 5/16 - 12	1 1/16 - 12	1 3/8	1.81	4,000
C-6400-16-16	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.82	4,000
C-6400-20-20 #	1 1/4	1 5/8 - 12	1 5/8 - 12	1 7/8	1.91	3,000
C-6400-24-24 #	1 1/2	1 7/8 - 12	1 7/8 - 12	2 1/8	1.97	3,000
C-6400-32-32 #	2"	2 1/2 - 12	2 1/2 - 12	2 3/4	2.13	2,000

• Available in **316 Stainless Steel**

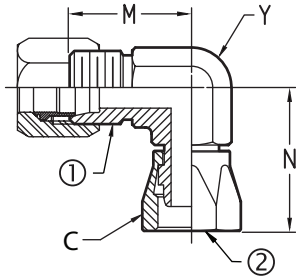
4:1 Safety Factor

Minimum Order Quantity May Apply.

C-6500

Flareless Fittings Flareless Straight Thread Elbow

Reference
Parker Tube C6BU
Weatherhead
SAE 080221



Part No.	Tube O.D.	1 Male Flareless	2 Female Flareless Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
C-6500-04-04 #	1/4	7/16 - 20	7/16 - 20	9/16	0.89	1.00	7/16	5,000
C-6500-06-06 #	3/8	9/16 - 18	9/16 - 18	11/16	1.05	1.25	9/16	5,000
C-6500-08-08 #	1/2	3/4 - 16	3/4 - 16	7/8	1.25	1.38	3/4	5,000
C-6500-10-10 #	5/8	7/8 - 14	7/8 - 14	1"	1.42	1.62	7/8	4,500
C-6500-12-12 #	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.58	1.75	1 1/16	4,000
C-6500-16-16 #	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.89	2.00	1 5/16	3,600

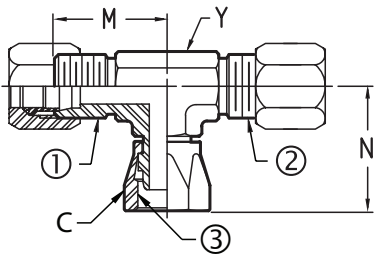
Minimum Order Quantity May Apply.

4:1 Safety Factor

C-6600

Flareless Fittings Flareless Swivel Nut Branch Tee

Reference
Parker Tube S6BU
Weatherhead
SAE 080433



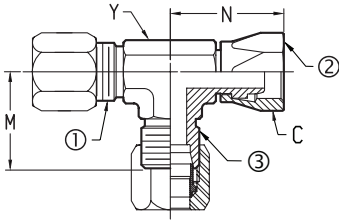
Part No.	Tube O.D.	1-2 Male Flareless	3 Female Flareless Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
C-6600-04-04-04 #	1/4	7/16 - 20	7/16 - 20	9/16	0.89	1.00	7/16	5,000
C-6600-06-06-06	3/8	9/16 - 18	9/16 - 18	11/16	1.05	1.28	9/16	5,000
C-6600-08-08-08	1/2	3/4 - 16	3/4 - 16	7/8	1.25	1.47	3/4	5,000
C-6600-12-12-12 #	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.58	1.75	1 1/16	4,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

C-6602

Flareless Fittings Flareless Swivel Nut Branch Tee



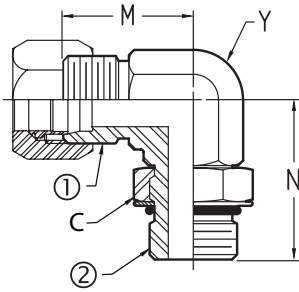
Part No.	Tube O.D.	1-3 Male Flareless	2 Female Flareless Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
C-6602-04-04-04 #	1/4	7/16 - 20	7/16 - 20	9/16	0.89	1.00	7/16	5,000
C-6602-06-06-06 #	3/8	9/16 - 18	9/16 - 18	11/16	1.05	1.25	9/16	5,000
C-6602-08-08-08 #	1/2	3/4 - 16	3/4 - 16	7/8	1.25	1.38	3/4	5,000
C-6602-12-12-12 #	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.58	1.75	1 1/16	4,000
C-6602-16-16-16 #	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.73	2.00	1 5/16	3,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

C-6801

Flareless Fittings Flareless Straight Thread Elbow



Reference
Parker Tube C5BU
Weatherhead 7515
SAE 080220

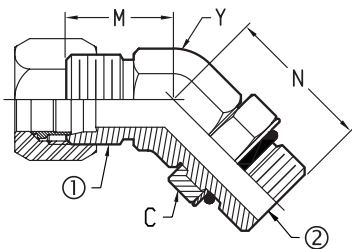
Part No.	Tube O.D.	1 Male Flareless	2 Male ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
C-6801-04-04	1/4	7/16 - 20	7/16 - 20	9/16	0.89	1.03	7/16	5,000
C-6801-04-06	1/4	7/16 - 20	9/16 - 18	11/16	1.03	1.25	9/16	5,000
C-6801-05-05 #	5/16	1/2 - 20	1/2 - 20	5/8	0.95	1.13	9/16	5,000
C-6801-06-06	3/8	9/16 - 18	9/16 - 18	11/16	1.05	1.25	9/16	5,000
C-6801-06-08	3/8	9/16 - 18	3/4 - 16	7/8	1.16	1.45	3/4	5,000
C-6801-08-08	1/2	3/4 - 16	3/4 - 16	7/8	1.25	1.45	3/4	5,000
C-6801-08-10	1/2	3/4 - 16	7/8 - 14	1"	1.35	1.70	7/8	4,500
C-6801-08-12 #	1/2	3/4 - 16	1 1/16 - 12	1 1/4	1.58	1.94	1 1/16	4,000
C-6801-10-10	5/8	7/8 - 14	7/8 - 14	1"	1.42	1.70	7/8	4,500
C-6801-12-12	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.58	1.94	1 1/16	4,000
C-6801-16-12 #	1"	1 5/16 - 12	1 1/16 - 12	1 1/4	1.73	2.05	1 5/16	3,000
C-6801-16-16	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.73	2.05	1 5/16	3,000
C-6801-20-20 #	1 1/4	1 5/8 - 12	1 5/8 - 12	1 7/8	1.89	2.25	1 5/8	2,500

Minimum Order Quantity May Apply.

4:1 Safety Factor

C-6802

Flareless Straight Thread Elbow



Reference
Parker Tube V5BU
Weatherhead 73653
SAE 080320

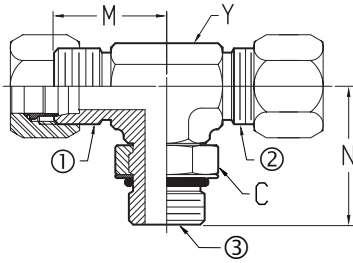
Part No.	Tube O.D.	1 Male Flareless	2 Male ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
C-6802-04-04 #	1/4	7/16 - 20	7/16 - 20	9/16	0.70	1.05	7/16	5,000
C-6802-06-06 #	3/8	9/16 - 18	9/16 - 18	11/16	0.83	1.14	9/16	5,000
C-6802-08-08 #	1/2	3/4 - 16	3/4 - 16	7/8	0.98	1.30	3/4	5,000
C-6802-12-12 #	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.27	1.73	1 1/16	4,000
C-6802-16-16 #	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.36	1.86	1 5/16	3,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

C-6803

Flareless Fittings Flareless ORB Branch Tee



Reference
Parker Tube S5BU
Weatherhead 7715
SAE 080429

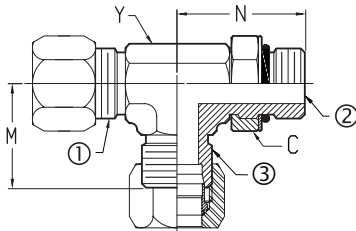
Part No.	Tube O.D.	1-2 Male Flareless	3 Male ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
C-6803-04-04-04 #	1/4	7/16 - 20	7/16 - 20	9/16	0.89	1.03	7/16	5,000
C-6803-06-06-06 #	3/8	9/16 - 18	9/16 - 18	11/16	1.05	1.25	9/16	5,000
C-6803-08-08-08	1/2	3/4 - 16	3/4 - 16	7/8	1.25	1.45	3/4	5,000
C-6803-12-12-12 #	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.58	1.94	1 1/16	4,000
C-6803-16-16-16 #	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.73	2.05	1 5/16	3,000

"#" Minimum Order Quantity May Apply.

4:1 Safety Factor

C-6804

Flareless ORB Run Tee



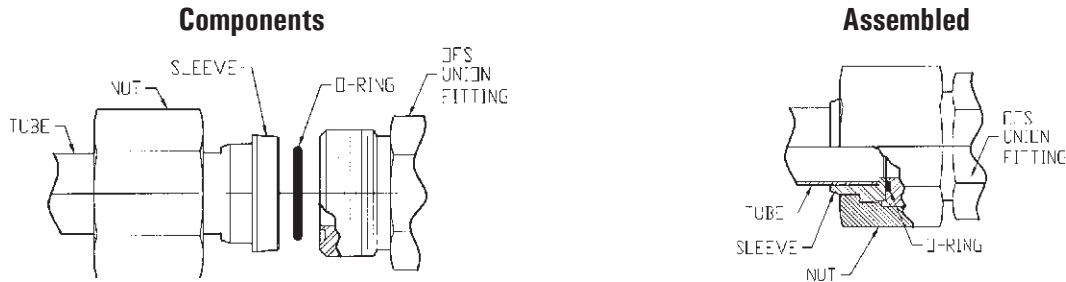
Reference
Parker Tube R5BU
Weatherhead 7716
SAE 080428

Part No.	Tube O.D.	1-3 Male Flareless	2 Male ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
C-6804-04-04-04 #	1/4	7/16 - 20	7/16 - 20	9/16	0.89	1.03	7/16	5,000
C-6804-06-06-06 #	3/8	9/16 - 18	9/16 - 18	11/16	1.05	1.25	9/16	5,000
C-6804-08-08-08 #	1/2	3/4 - 16	3/4 - 16	7/8	1.25	1.45	3/4	5,000
C-6804-10-10-10 #	5/8	7/8 - 14	7/8 - 14	1"	1.42	1.70	7/8	4,500
C-6804-12-12-12 #	3/4	1 1/16 - 12	1 1/16 - 12	1 1/4	1.58	1.94	1 1/16	4,000
C-6804-16-16-16 #	1"	1 5/16 - 12	1 5/16 - 12	1 1/2	1.73	2.05	1 5/16	3,000

"#" Minimum Order Quantity May Apply.

4:1 Safety Factor

O-Ring Face Seal Design

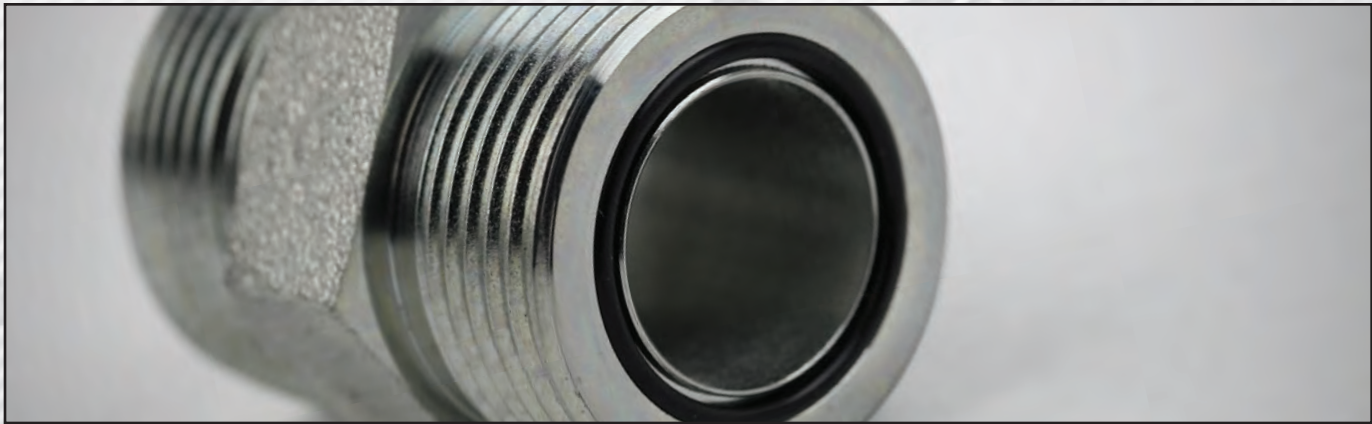


O-Ring Face Seal (OFS) fittings were designed to eliminate leakage problems and still handle the greater pressure of today's hydraulic systems, and are dimensionally standardized in SAE J1453. An OFS connection uses a **Buna-N, 90 Durometer O-ring** that seats into a groove in the face of the fitting. As the connection is tightened the o-ring compresses against a flat-face sleeve that is brazed onto the end of a tube, and makes a metal-to-metal seal creating a cavity that supports the o-ring. The sleeve also prevents twisting of the tube and supports it during the assembly process.









































In addition, as the assembly is being tightened, a noticeable rise in torque is realized that deters over-torque abuse and avoids distortion. This is why the OFS design can be used multiple times by just simply replacing the o-ring. Standard material is steel with a RoHS compliant 96-hour salt spray finish that exceeds the SAE 72-hour salt spray requirement. See **"How can an OFS fitting leak?"** on the inside front cover of this catalog.

Assembly Steps:

1. **Inspect the tubing** to make sure that it is free of defects, nicks, dings, scratches, etc.
2. **Cut off the tube** square $\pm 1^\circ$. A tubing cutter is highly recommended to ensure the cut off is square.
3. **De-burr the inside and outside of the tube** and make sure the tube is free of debris. When de-burring, make sure an angle of no more than 45° by 0.020" on the outside of the tube appears.
4. **Prepare the tube end, braze sleeve, and silver braze ring** by dipping them all in a cleaning solvent.
5. **Polish a 1/2" of the outside of the tube** using an aluminum-free, silicon carbide emery cloth and dust it off afterwards. Avoid touching it as any impurities such as oil, grease, and oxidation will impair the flow of silver, and reduce the strength of the braze joint.
6. **Slide the nut onto the tube and secure the tube in a vise** for brazing in an upright position. This will allow gravity to pull the braze sleeve down on the tube as the silver braze ring melts.
7. **Apply a high temperature flux** ($+700^\circ$ to $+1800^\circ$ F) to the outside of the tube and the inside of the braze sleeve socket where the tube slips in. Flux must be applied to any area that is to be heated or needs to be clean for a proper braze joint. Verify that the braze sleeve is free of rust.
8. **Insert the silver braze ring** into the braze sleeve socket and slip the braze sleeve onto the prepared tube end. Braze rings come in both preformed sizes and wire rolls that are at least 45% silver alloy. Cut a section of wire that is just shy of 3 times the braze sleeve socket diameter and bend it in to a circle.
9. **Completely coat the assembly with additional flux.** Flux prevents oxidation of the metal during the heating process and cleans the surfaces to help the silver flow evenly throughout the braze joint. It also serves as a temperature monitor as heat is applied.
10. **Begin the brazing process.** A single flame torch can be used, however, a multiple flamed torch is recommended for sizes 3/4" and up. Adjust the flame to a blue base with an occasional yellow flicker. Direct the base of the flame at the braze sleeve so that the assembly will heat up evenly. Due to different expansion rates the tubing and the braze sleeve should be of the same material. As the assembly heats up, and the silver braze ring begins to melt, the braze sleeve will drop on the tube and become fully seated. Slight force may be needed.
11. After the silver flows throughout the joint remove the flame so as not to char the flux. **Allow to cool for approximately 10 seconds and then cool the assembly by dipping it into hot water** ($+140^\circ$ to $+180^\circ$ F). This will crack the flux residue for removal with a wire brush, but be careful not to scratch the flat face. If a post braze cleaner, or flux remover, has been added to the water it may cause premature rusting. **Therefore, neutralize them by dipping the assembly in a cleaning solvent** afterwards. A light coating of penetrating oil can also be applied.
12. A **final inspection of the braze joint** should reveal a silver fillet all the way around the tube/braze sleeve. Silver braze should also be found in the other end of the braze sleeve without any excess on the flat-face. A void in the fillet could mean a leak path and an excess of silver on the flat-face will interfere with a good seal. Small amounts of excess can be sanded, but if the flat-face cannot be restored it will have to be re-brazed using a new braze sleeve.
13. Now that the connection is ready to be made, **inspect the components** for dirt, grit, nicks, dings, and scratches, etc. that might interfere with a good seal.
14. **Lubricate the O-ring and the threads** with 10W hydraulic oil and insert the O-ring into its groove (Ours are pre-installed).
15. With the nut already slid onto the tube, position the sleeve flat-face up to the O-ring on the fitting and **hand tighten the nut onto the threads.**
16. **Torque to the specified value** to complete the connection.



O-Ring Face Seal

FS-304C (520112)  1 Pg. 177 OFS Cap 1-FOFX	FS-306 (520118)  1 Pg. 177 OFS Bulkhead Locknut (Use with #FS-2700)	FS-318 (520110)  1 Pg. 178 OFS Nut (Use with #FS-319)	FS-319 (520115)  1 Pg. 178 OFS Braze Sleeve (Use with #FS-318)	FS-1700  1 Pg. 179 Code 61 OFS Split Flange Adapter 1-OFS 2-FH61	FS-1703  1 Pg. 179 Code 61 OFS Split Flange Elbow 1-OFS 2-FH61	FS-1704  1 Pg. 180 Code 61 OFS Split Flange Elbow 1-OFS 2-FH61	FS-1800  1 Pg. 181 Code 62 OFS Split Flange Adapter 1-OFS 2-FH62
FS-1803  1 Pg. 181 Code 62 OFS Split Flange Elbow 1-OFS 2-FH62	FS-1804  1 Pg. 182 Code 62 OFS Split Flange Elbow 1-OFS 2-FH62	FS-2403 (520101)  1 Pg. 183 OFS Tube Union 1-OFS 2-OFS	FS-2404  1 Pg. 184 OFS Male Pipe Connector 1-OFS 2-MP	FS-2406 (520123)  1 Pg. 185 OFS Tube Reducer 1-FOFX 2-OFS	FS-2408 (520109)  1 Pg. 186 OFS Plug 1-OFS	FS-2500 (520201)  1 Pg. 187 OFS Union Elbow 1-OFS 2-OFS	FS-2501  1 Pg. 188 OFS Male Elbow 1-OFS 2-MP
FS-2503  1 Pg. 189 OFS Male Elbow 1-OFS 2-MP	FS-2601  1 Pg. 189 OFS Male Run Tee 1-OFS 2-OFS 3-MP	FS-2603 (520401)  1 Pg. 190 OFS Union Tee 1-OFS 2-OFS 3-OFS	FS-2650 (520501)  1 Pg. 190 OFS Union Cross 1, 2, 3, 4-OFS	FS-2700 (520601)  1 Pg. 191 OFS Bulkhead Union 1-OFS 2-BH OFS	FS-2701 (520701)  1 Pg. 192 OFS Bulkhead Union Elbow 1-OFS 2-BH OFS	FS-2702 (520801)  1 Pg. 192 OFS Bulkhead Union Elbow 1-OFS 2-BH OFS	FS-2703 (520959)  1 Pg. 193 OFS Bulkhead Branch Tee 1-OFS 2-OFS 3-BH OFS
FS-2704 (520958)  1 Pg. 193 OFS Bulkhead Run Tee 1-OFS 2-BH OFS 3-OFS	FS-6400 (520120)  1 Pg. 194 OFS Straight Thread Connector 1-OFS 2-MB	FS-6400L (520122)  1 Pg. 195 OFS Straight Thread Connector Long 1-OFS 2-MB	FS-6402  1 Pg. 196 Male OFS x Female JIC Swivel 1-OFS 2-FJX	FS-6412 (520181)  1 Pg. 196 Female OFS Swivel x Male ORB 1-FOFX 2-MB	FS-6500 (520221)  1 Pg. 197 OFS Swivel Nut Elbow 1-OFS 2-FOFX	FS-6502  1 Pg. 197 OFS Swivel Nut Elbow 1-OFS 2-FOFX	FS-6600 (520433)  1 Pg. 198 OFS Swivel Nut Branch Tee 1-OFS 2-OFS 3-FOFX
FS-6602 (520432)  1 Pg. 198 OFS Swivel Nut Run Tee 1-OFS 2-FOFX 3-OFS	FS-6801 (520220)  1 Pg. 199 OFS Straight Thread Elbow 1-OFS 2-MB	FS-6802 (520320)  1 Pg. 200 OFS Straight Thread Elbow 1-OFS 2-MB	FS-6803 (520429)  1 Pg. 201 OFS Straight Thread Branch Tee 1-OFS 2-OFS 3-MB	FS-6804 (520428)  1 Pg. 201 OFS Straight Thread Run Tee 1-OFS 2-MB 3-OFS	FS-6809 (520281)  1 Pg. 202 OFS Swivel Nut Elbow 1-FOFX 2-MB	FS-7403  1 Pg. 203 Male OFS x Male JIC 1-OFS 2-MJ	FS-7504  1 Pg. 203 Female OFS Swivel x Male JIC 1-FOFX 2-MJ

Torque Values & Flats From Finger Tight

Dash	Torque	Flats	F.F.F.T
Size	lb-ft	OFS	FOFX
-04	18	1/4 - 1/2	1/2 - 3/4
-06	20	1/4 - 1/2	1/2 - 3/4
-08	40	1/4 - 1/2	1/2 - 3/4
-10	60	1/4 - 1/2	1/2 - 3/4
-12	85	1/4 - 1/2	1/3 - 1/2
-16	110	1/4 - 1/2	1/3 - 1/2
-20	140	1/4 - 1/2	1/3 - 1/2
-24	180	1/4 - 1/2	1/3 - 1/2

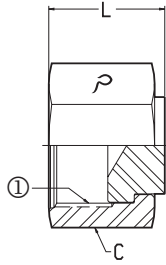
Lubricate Threads with 10W Hydraulic Oil.

Brazing

As the Temperature Rises...	
+212° F	Water Boils Off
+600° F	Flux Starts to Bubble
+800° F	Flux Becomes Translucent
+1100° F	Flux Thins and Becomes Clear and Dark
+1125° F	Silver Braze Ring Melts
+1140° F	Silver Flows Easily Throughout the Joint Allowing the Braze Sleeve to Drop and be Fully Seated. At This Point the Metal Will Take on a Dark Reddish Look.

FS-304C

O-Ring Face Seal Fittings Female OFS Swivel Cap



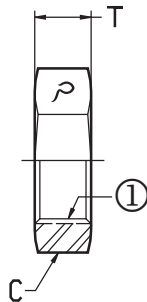
Reference
Aeroquip FF986304
Parker Tube FNL
Weatherhead 4129
SAE 520112

Part No.	Tube O.D.	1 Female OFS	C Hex	L Length	Operating Pressure
FS-304C-04	1/4	9/16 - 18	11/16	0.58	9,200
FS-304C-06	3/8	11/16 - 16	13/16	0.67	9,200
FS-304C-08	1/2	13/16 - 16	15/16	0.83	9,200
FS-304C-10	5/8	1 - 14	1 1/8	0.93	6,000
FS-304C-12	3/4	1 3/16 - 12	1 3/8	1.02	6,000
FS-304C-16	1"	1 7/16 - 12	1 5/8	1.10	6,000
FS-304C-20	1 1/4	1 11/16 - 12	1 7/8	1.10	6,000
FS-304C-24	1 1/2	2 - 12	2 1/4	1.10	5,000

4:1 Safety Factor

FS-306

OFS Bulkhead Locknut

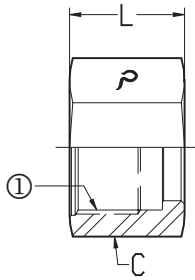


Reference
Aeroquip FF976804
Parker Tube WLNL
Weatherhead 4924
SAE 520118

Part No.	1 Tube Thread	C Hex	T Thickness
FS-306-04	9/16 - 18	13/16	0.27
FS-306-06	11/16 - 16	1"	0.31
FS-306-08	13/16 - 16	1 1/8	0.35
FS-306-10	1 - 14	1 5/16	0.42
FS-306-12	1 3/16 - 12	1 1/2	0.41
FS-306-16	1 7/16 - 12	1 3/4	0.41
FS-306-20	1 11/16 - 12	2"	0.41
FS-306-24	2 - 12	2 3/8	0.41

FS-318

O-Ring Face Seal Fittings OFS Tube Nut

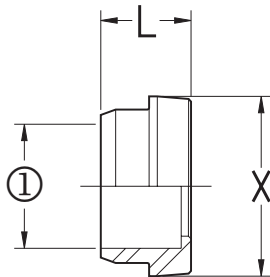


Reference
Aeroquip FC232604
Parker Tube BL
Weatherhead 4105
SAE 520110

Part No.	Tube O.D.	1 Female OFS	C Hex	L Length
FS-318-04	1/4	9/16 - 18	11/16	0.59
FS-318-06	3/8	11/16 - 16	13/16	0.67
FS-318-08	1/2	13/16 - 16	15/16	0.79
FS-318-10	5/8	1 - 14	1 1/8	0.94
FS-318-12	3/4	1 3/16 - 12	1 3/8	1.04
FS-318-16	1"	1 7/16 - 12	1 5/8	1.08
FS-318-20	1 1/4	1 11/16 - 12	1 7/8	1.08
FS-318-24	1 1/2	2 - 12	2 1/4	1.08

FS-319

OFS Tube Sleeve



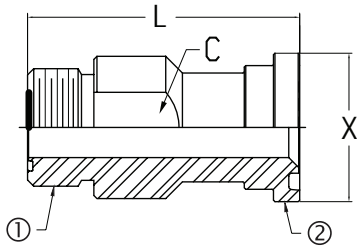
Reference
Aeroquip FC122904
Parker Tube TL
Weatherhead 4165
SAE 520115

Part No.	1 Tube O.D.	L Length	X Diameter
FS-319-04	1/4	0.37	0.502
FS-319-06	3/8	0.37	0.620
FS-319-08	1/2	0.37	0.745
FS-319-10	5/8	0.41	0.923
FS-319-12	3/4	0.55	1.097
FS-319-16	1"	0.61	1.347
FS-319-20	1 1/4	0.61	1.597
FS-319-24	1 1/2	0.61	1.910

FS-1700

O-Ring Face Seal Fittings Code 61 - OFS Split Flange

Reference
Aeroquip FF5943T1212
Parker Hose 4AJM
Parker Tube LOHQ1
SAE J1453/518



Part No.	Tube O.D.	1 Male OFS	2 Code 61 Flange Head	C Flats	L Length	X Diameter	Operating Pressure
FS-1700-12-12-4	3/4	1 3/16 - 12	3/4	1 1/4	2.750	1.500	5,000
FS-1700-12-16-4 #	3/4	1 3/16 - 12	1"	1 1/4	2.800	1.750	5,000
FS-1700-16-12-4 #	1"	1 7/16 - 12	3/4	1 1/2	2.750	1.500	5,000
FS-1700-16-16-4	1"	1 7/16 - 12	1"	1 1/2	2.800	1.750	5,000
FS-1700-16-20-4 #	1"	1 7/16 - 12	1 1/4	1 1/2	2.810	2.000	4,000
FS-1700-20-16-4 #	1 1/4	1 11/16 - 12	1"	1 7/8	2.810	1.750	5,000
FS-1700-20-20-4 #	1 1/4	1 11/16 - 12	1 1/4	1 7/8	2.800	2.000	4,000
FS-1700-20-24-4 #	1 1/4	1 11/16 - 12	1 1/2	1 7/8	3.500	2.375	3,000
FS-1700-24-20-4 #	1 1/2	2 - 12	1 1/4	2 1/8	3.500	2.000	4,000
FS-1700-24-24-4 #	1 1/2	2 - 12	1 1/2	2 1/8	3.500	2.375	3,000
FS-1700-24-32-4 #	1 1/2	2 - 12	2"	2 5/8	3.330	2.812	3,000

Split Flanges (61SF) and Kits (61SF-KIT) are on page 50.

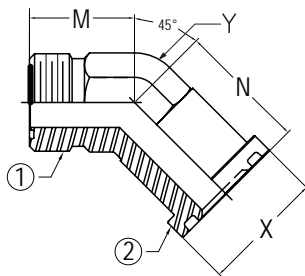
4:1 Safety Factor

Minimum Order Quantity May Apply.

FS-1703

Code 61 - OFS Split Flange Elbow

Reference
Aeroquip FF6001T1212
Parker Hose 4FJM
Parker Tube LOVQ1
SAE J1453/518



Part No.	Tube O.D.	1 Male OFS	2 Code 61 Flange Head	M Length	N Length	X Diameter	Y Flats	Operating Pressure
FS-1703-12-12-4 #	3/4	1 3/16 - 12	3/4	1.280	1.58	1.500	1 1/16	5,000
FS-1703-16-16-4 #	1"	1 7/16 - 12	1"	1.470	1.85	1.750	1 5/16	5,000
FS-1703-20-20-4	1 1/4	1 11/16 - 12	1 1/4	1.590	2.04	2.000	1 5/8	4,000
FS-1703-24-24-4 #	1 1/2	2 - 12	1 1/2	1.780	2.38	2.375	1 7/8	3,000

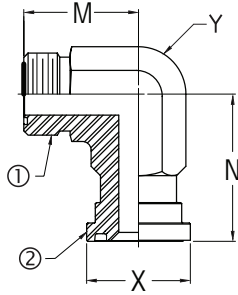
Split Flanges (61SF) and Kits (61ZSF-KIT) are on page 50.

4:1 Safety Factor

Minimum Order Quantity May Apply.

FS-1704

O-Ring Face Seal Fittings Code 61 - OFS Split Flange Elbow



Reference
Aeroquip FF5946T1212
Parker Hose 4NJM
Parker Tube LOE01
SAE J1453/518

Part No.	Tube O.D.	1 Male OFS	2 Code 61 Flange Head	M Length	N Length	X Diameter	Y Flats	Operating Pressure
FS-1704-12-12-4 #	3/4	1 3/16 - 12	3/4	1.660	2.13	1.500	1 3/16	5,000
FS-1704-12-16-4 #	3/4	1 3/16 - 12	1"	1.650	2.37	1.750	1 7/16	5,000
FS-1704-16-12-4 #	1"	1 7/16 - 12	3/4	1.750	2.16	1.500	1 7/16	5,000
FS-1704-16-16-4	1"	1 7/16 - 12	1"	1.810	2.37	1.750	1 7/16	5,000
FS-1704-16-20-4 #	1"	1 7/16 - 12	1 1/4	2.060	2.62	2.000	1 5/8	4,000
FS-1704-20-16-4 #	1 1/4	1 11/16 - 12	1"	1.850	2.37	1.750	1 7/16	5,000
FS-1704-20-20-4	1 1/4	1 11/16 - 12	1 1/4	2.060	2.62	2.000	1 5/8	4,000
FS-1704-20-24-4 #	1 1/4	1 11/16 - 12	1 1/2	2.330	3.15	2.375	1 5/8	3,000
FS-1704-24-20-4 #	1 1/2	2 - 12	1 1/4	2.060	2.62	2.000	1 7/8	4,000
FS-1704-24-24-4 #	1 1/2	2 - 12	1 1/2	1.950	3.12	2.375	1 7/8	3,000
FS-1704-24-32-4 #	1 1/2	2 - 12	2"	2.330	3.62	2.812	1 7/8	3,000

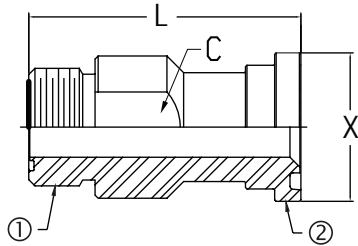
Split Flanges (61SF) and Kits (61SF-KIT) are on page 50.

4:1 Safety Factor

*# Minimum Order Quantity May Apply.

FS-1800

O-Ring Face Seal Fittings Code 62 - OFS Split Flange



Reference
Aeroquip FF5943T0808
Parker Hose 6AJM
Parker Tube LOHQ2
SAE J1453/518

Part No.	Tube O.D.	1 Male OFS	2 Code 62 Flange Head	C Flats	L Length	X Diameter	Operating Pressure
FS-1800-08-08-4 #	1/2	13/16 - 16	1/2	1 1/2	2.580	1.250	6,000
FS-1800-12-12-4 #	3/4	1 3/16 - 12	3/4	1 1/4	2.750	1.625	6,000
FS-1800-12-16-4	3/4	1 3/16 - 12	1"	1 1/4	2.810	1.875	6,000
FS-1800-16-12-4 #	1"	1 7/16 - 12	3/4	1 1/2	2.810	1.625	6,000
FS-1800-16-16-4	1"	1 7/16 - 12	1"	1 1/2	2.810	1.875	6,000
FS-1800-16-20-4 #	1"	1 7/16 - 12	1 1/4	1 1/2	3.050	2.125	5,000
FS-1800-20-16-4 #	1 1/4	1 11/16 - 12	1"	1 7/8	3.210	1.875	6,000
FS-1800-20-20-4 #	1 1/4	1 11/16 - 12	1 1/4	1 7/8	3.480	2.125	5,000
FS-1800-20-24-4 #	1 1/4	1 11/16 - 12	1 1/2	1 3/4	3.500	2.500	4,500
FS-1800-24-20-4 #	1 1/2	2 - 12	1 1/4	2 1/8	3.310	2.125	5,000
FS-1800-24-24-4 #	1 1/2	2 - 12	1 1/2	2 1/8	3.500	2.500	4,500
FS-1800-24-32-4 #	1 1/2	2 - 12	2"	2 7/8	3.580	3.125	3,000

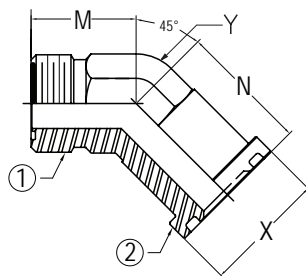
Split Flanges (62SF) and Kits (62SF-KIT) are on page 50.

4:1 Safety Factor

*# Minimum Order Quantity May Apply.

FS-1803

Code 62 - OFS Split Flange Elbow



Reference
Aeroquip FF6002T1212
Parker Hose 6FJM
Parker Tube LOVQ2
SAE J1453/518

Part No.	Tube O.D.	1 Male OFS	2 Code 62 Flange Head	M Length	N Length	X Diameter	Y Flats	Operating Pressure
FS-1803-12-12-4 #	3/4	1 3/16 - 12	3/4	1.280	1.58	1.625	1 3/16	6,000
FS-1803-16-16-4 #	1"	1 7/16 - 12	1"	1.470	1.85	1.875	1 7/16	6,000
FS-1803-20-20-4 #	1 1/4	1 11/16 - 12	1 1/4	1.590	2.04	2.125	1 3/8	5,000
FS-1803-24-24-4 #	1 1/2	2 - 12	1 1/2	1.780	2.38	2.500	1 7/8	4,500

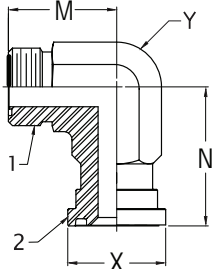
Split Flanges (62SF) and Kits (62SF-KIT) are on page 50.

4:1 Safety Factor

*# Minimum Order Quantity May Apply.

FS-1804

O-Ring Face Seal Fittings Code 62 - OFS Split Flange Elbow



Reference
Aeroquip FF5945T0812
Parker Hose 6NJM
Parker Tube LOEQ2
SAE J1453/518

Part No.	Tube O.D.	1 Male OFS	2 Code 62 Flange Head	M Length	N Length	X Diameter	Y Flats	Operating Pressure
FS-1804-12-08-4 #	3/4	1 3/16 - 12	1/2	1.650	2.14	1.250	1 3/16	6,000
FS-1804-12-12-4 #	3/4	1 3/16 - 12	3/4	1.660	2.13	1.625	1 3/16	6,000
FS-1804-12-16-4	3/4	1 3/16 - 12	1"	1.810	2.37	1.875	1 7/16	6,000
FS-1804-16-12-4 #	1"	1 7/16 - 12	3/4	1.650	2.12	1.625	1 7/16	6,000
FS-1804-16-16-4	1"	1 7/16 - 12	1"	1.810	2.37	1.875	1 7/16	6,000
FS-1804-16-20-4 #	1"	1 7/16 - 12	1 1/4	2.110	2.75	2.125	1 5/8	5,000
FS-1804-20-16-4 #	1 1/4	1 11/16 - 12	1"	1.810	2.37	1.875	1 7/16	6,000
FS-1804-20-20-4	1 1/4	1 11/16 - 12	1 1/4	2.060	2.76	2.125	1 5/8	5,000
FS-1804-20-24-4 #	1 1/4	1 11/16 - 12	1 1/2	2.330	3.15	2.500	1 7/8	4,500
FS-1804-24-20-4 #	1 1/2	2 - 12	1 1/4	2.060	2.76	2.125	1 7/8	5,000
FS-1804-24-24-4 #	1 1/2	2 - 12	1 1/2	2.330	3.15	2.500	1 7/8	4,500
FS-1804-24-32-4 #	1 1/2	2 - 12	2"	tba	tba	3.125	1 7/8	3,000

Split Flanges (62SF) and Kits (62SF-KIT) are on page 50.

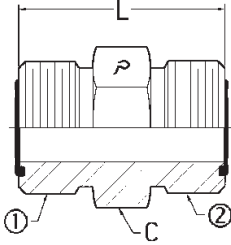
4:1 Safety Factor

*# Minimum Order Quantity May Apply.

FS-2403

O-Ring Face Seal Fittings OFS Tube Union

Reference
Aeroquip FF2000T0404
Parker Tube HLO
Weatherhead 4305
SAE 520101



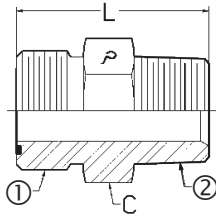
Part No.	Tube O.D.	1 Male OFS	2 Male OFS	C Hex	L Length	Operating Pressure
FS-2403-04-04	1/4	9/16 - 18	9/16 - 18	5/8	1.08	9,200
FS-2403-06-04	3/8 x 1/4	11/16 - 16	9/16 - 18	3/4	1.17	9,200
FS-2403-06-06	3/8	11/16 - 16	11/16 - 16	3/4	1.22	9,200
FS-2403-08-06	1/2 x 3/8	13/16 - 16	11/16 - 16	7/8	1.33	9,200
FS-2403-08-08	1/2	13/16 - 16	13/16 - 16	7/8	1.39	9,200
FS-2403-10-08	5/8 x 1/2	1 - 14	13/16 - 16	1 1/16	1.57	6,000
FS-2403-10-10	5/8	1 - 14	1 - 14	1 1/16	1.68	6,000
FS-2403-12-08	3/4 x 1/2	1 3/16 - 12	13/16 - 16	1 1/4	1.69	6,000
FS-2403-12-10 #	3/4 x 5/8	1 3/16 - 12	1 - 14	1 1/4	1.80	6,000
FS-2403-12-12	3/4	1 3/16 - 12	1 3/16 - 12	1 1/4	1.86	6,000
FS-2403-16-12	1" x 3/4	1 7/16 - 12	1 3/16 - 12	1 1/2	1.92	6,000
FS-2403-16-16	1"	1 7/16 - 12	1 7/16 - 12	1 1/2	1.94	6,000
FS-2403-20-16	1 1/4 x 1"	1 11/16 - 12	1 7/16 - 12	1 3/4	2.02	6,000
FS-2403-20-20	1 1/4	1 11/16 - 12	1 11/16 - 12	1 3/4	2.02	6,000
FS-2403-24-20	1 1/2 X 1 1/4	2 - 12	1 11/16 - 12	2 1/8	2.09	5,000
FS-2403-24-24	1 1/2	2 - 12	2 - 12	2 1/8	2.09	5,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-2404

O-Ring Face Seal Fittings OFS Male Pipe Connector



Reference
Aeroquip FF2031T0402
Parker Tube FLO
Weatherhead 4205
SAE J1453

Part No.	Tube O.D.	1 Male OFS	2 Male NPTF	C Hex	L Length	Operating Pressure
FS-2404-04-02	1/4	9/16 - 18	1/8 - 27	5/8	1.07	6,000
FS-2404-04-04	1/4	9/16 - 18	1/4 - 18	5/8	1.26	6,000
FS-2404-04-06	1/4	9/16 - 18	3/8 - 18	3/4	1.32	6,000
FS-2404-06-02	3/8	11/16 - 16	1/8 - 27	3/4	1.07	6,000
FS-2404-06-04	3/8	11/16 - 16	1/4 - 18	3/4	1.25	6,000
FS-2404-06-06	3/8	11/16 - 16	3/8 - 18	3/4	1.34	6,000
FS-2404-06-08	3/8	11/16 - 16	1/2 - 14	7/8	1.55	6,000
FS-2404-08-04	1/2	13/16 - 16	1/4 - 18	7/8	1.48	6,000
FS-2404-08-06	1/2	13/16 - 16	3/8 - 18	7/8	1.48	6,000
FS-2404-08-08	1/2	13/16 - 16	1/2 - 14	7/8	1.64	6,000
FS-2404-08-12	1/2	13/16 - 16	3/4 - 14	1 1/8	1.69	6,000
FS-2404-10-06	5/8	1 - 14	3/8 - 18	1 1/16	1.57	6,000
FS-2404-10-08	5/8	1 - 14	1/2 - 14	1 1/16	1.82	6,000
FS-2404-10-12 #	5/8	1 - 14	3/4 - 14	1 1/16	1.82	5,500
FS-2404-12-08	3/4	1 3/16 - 12	1/2 - 14	1 1/4	1.93	6,000
FS-2404-12-12	3/4	1 3/16 - 12	3/4 - 14	1 1/4	1.93	5,500
FS-2404-12-16	3/4	1 3/16 - 12	1 - 11 1/2	1 3/8	2.13	4,500
FS-2404-16-12	1"	1 7/16 - 12	3/4 - 14	1 1/2	2.00	5,500
FS-2404-16-16	1"	1 7/16 - 12	1 - 11 1/2	1 1/2	2.19	4,500
FS-2404-16-20 #	1"	1 7/16 - 12	1 1/4 - 11 1/2	1 11/16	2.30	3,000
FS-2404-20-08 #	1 1/4	1 11/16 - 12	1/2 - 14	1 3/4	2.13	4,500
FS-2404-20-16 #	1 1/4	1 11/16 - 12	1 - 11 1/2	1 3/4	2.27	4,500
FS-2404-20-20	1 1/4	1 11/16 - 12	1 1/4 - 11 1/2	1 3/4	2.30	3,000
FS-2404-24-24 #	1 1/2	2 - 12	1 1/2 - 11 1/2	2 1/8	2.40	3,000

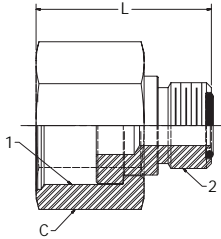
Minimum Order Quantity May Apply.

4:1 Safety Factor

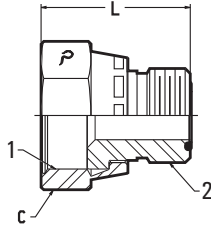
FS-2406

O-Ring Face Seal Fittings OFS Tube Reducer

Reference
Aeroquip FF2281T0604
Parker Tube TRLO
Weatherhead 4213
SAE 520123



Nut Style



Crimp Style *



Nut Style



Crimp Style *

Part No.	Tube O.D.	1 Female OFS Swivel	2 Male OFS	C Nut Hex	L Length	Operating Pressure
FS-2406-06-04 #	3/8 x 1/4	11/16 - 16	9/16 - 18	13/16	1.15	9,200
FS-2406-06-06 #	3/8	11/16 - 16	11/16 - 16	13/16	1.20	9,200
FS-2406-08-04	1/2 x 1/4	13/16 - 16	9/16 - 18	15/16	1.29	9,200
FS-2406-08-06 #	1/2 x 3/8	13/16 - 16	11/16 - 16	15/16	1.31	9,200
FS-2406-10-06 #	5/8 x 3/8	1 - 14	11/16 - 16	1 1/8	1.49	6,000
FS-2406-10-08	5/8 x 1/2	1 - 14	13/16 - 16	1 1/8	1.54	6,000
FS-2406-12-06 #	3/4 x 3/8	1 3/16 - 12	11/16 - 16	1 3/8	1.57	6,000
FS-2406-12-08	3/4 x 1/2	1 3/16 - 12	13/16 - 16	1 3/8	1.66	6,000
FS-2406-12-10 #	3/4 x 5/8	1 3/16 - 12	1 - 14	1 3/8	1.73	6,000
FS-2406-16-08	1" x 1/2	1 7/16 - 12	13/16 - 16	1 5/8	1.73	6,000
FS-2406-16-12 #	1" x 3/4	1 7/16 - 12	1 3/16 - 12	1 5/8	1.30	6,000
FS-2406-20-16 #	1 1/4 x 1"	1 11/16 - 12	1 7/16 - 12	1 7/8	2.09	5,000
FS-2406-20-24 #	1 1/4 x 1 1/2	1 11/16 - 12	2 - 12	1 7/8	2.47	5,000
FS-2406-24-20 #	1 1/2 x 1 1/4	2 - 12	1 11/16 - 12	2 1/4	1.91	5,000

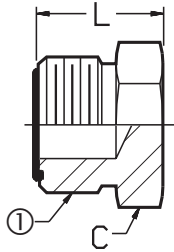
* Crimp Style Nut

4:1 Safety Factor

Minimum Order Quantity May Apply.

FS-2408

O-Ring Face Seal Fittings O-Ring Face Seal Plug



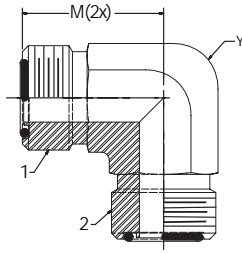
Reference
Aeroquip FF976704
Parker Tube PNLO
Weatherhead 4229
SAE 520109

Part No.	Tube O.D.	1 Male OFS	C Hex	L Length	Operating Pressure
FS-2408-04	1/4	9/16 - 18	5/8	0.66	9,200
FS-2408-06	3/8	11/16 - 16	3/4	0.75	9,200
FS-2408-08	1/2	13/16 - 16	7/8	0.85	9,200
FS-2408-10	5/8	1 - 14	1 1/16	1.02	6,000
FS-2408-12	3/4	1 3/16 - 12	1 1/4	1.08	6,000
FS-2408-16	1"	1 7/16 - 12	1 1/2	1.10	6,000
FS-2408-20	1 1/4	1 11/16 - 12	1 3/4	1.10	6,000
FS-2408-24	1 1/2	2 - 12	2 1/8	1.10	6,000

4:1 Safety Factor

FS-2500

O-Ring Face Seal Fittings OFS Union Elbow



Reference
Aeroquip FF2035T0404
Parker Tube ELO
Weatherhead 4505
SAE 520201

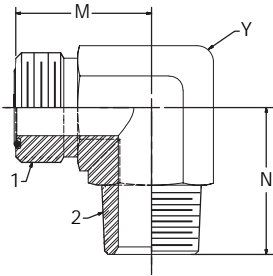
Part No.	Tube O.D.	1 Male OFS	2 Male OFS	M Length	Y Flats	Operating Pressure
FS-2500-04-04-4 #	1/4	9/16 - 18	9/16 - 18	0.85	9/16	9,200
FS-2500-06-06-4 #	3/8	11/16 - 16	11/16 - 16	0.98	11/16	9,200
FS-2500-08-08-4	1/2	13/16 - 16	13/16 - 16	1.10	3/4	9,200
FS-2500-10-10-4	5/8	1 - 14	1 - 14	1.31	1 1/16	6,000
FS-2500-12-12-4	3/4	1 3/16 - 12	1 3/16 - 12	1.47	1 3/16	6,000
FS-2500-16-16-4	1"	1 7/16 - 12	1 7/16 - 12	1.64	1 7/16	6,000
FS-2500-20-20-4	1 1/4	1 11/16 - 12	1 11/16 - 12	1.76	1 5/8	6,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-2501

O-Ring Face Seal Fittings OFS Male Elbow



Reference
Aeroquip FF2032T0402
Parker Tube CLO
Weatherhead 4405
SAE J1453

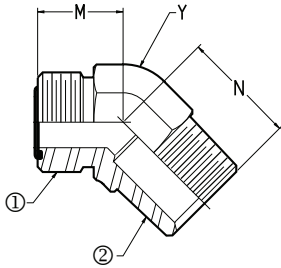
Part No.	Tube O.D.	1 Male OFS	2 Male NPTF	M Length	N Length	Y Flats	Operating Pressure
FS-2501-04-02-4 #	1/4	9/16 - 18	1/8 - 27	0.85	0.80	9/16	6,000
FS-2501-04-04-4	1/4	9/16 - 18	1/4 - 18	0.85	1.12	9/16	6,000
FS-2501-04-06-4 #	1/4	9/16 - 18	3/8 - 18	0.97	1.22	3/4	6,000
FS-2501-04-08-4 #	1/4	9/16 - 18	1/2 - 14	0.97	1.47	7/8	6,000
FS-2501-06-04-4	3/8	11/16 - 16	1/4 - 18	0.98	1.09	3/4	6,000
FS-2501-06-06-4	3/8	11/16 - 16	3/8 - 18	0.98	1.22	3/4	6,000
FS-2501-06-08-4	3/8	11/16 - 16	1/2 - 14	1.15	1.47	7/8	6,000
FS-2501-08-04-4 #	1/2	13/16 - 16	1/4 - 18	1.10	1.22	3/4	6,000
FS-2501-08-06-4	1/2	13/16 - 16	3/8 - 18	1.10	1.22	3/4	6,000
FS-2501-08-08-4	1/2	13/16 - 16	1/2 - 14	1.10	1.47	7/8	6,000
FS-2501-08-12-4 #	1/2	13/16 - 16	3/4 - 14	1.32	1.59	1 1/16	4,000
FS-2501-10-08-4 #	5/8	1 - 14	1/2 - 14	1.31	1.47	1 1/16	6,000
FS-2501-10-12-4 #	5/8	1 - 14	3/4 - 14	1.41	1.59	1 3/16	4,000
FS-2501-10-16-4 #	5/8	1 - 14	1 - 11 1/2	1.60	1.92	1 5/16	3,000
FS-2501-12-08-4 #	3/4	1 3/16 - 12	1/2 - 14	1.47	1.59	1 3/16	6,000
FS-2501-12-12-4	3/4	1 3/16 - 12	3/4 - 14	1.47	1.59	1 3/16	4,000
FS-2501-12-16-4 #	3/4	1 3/16 - 12	1 - 11 1/2	1.62	1.97	1 5/16	3,000
FS-2501-16-12-4 #	1"	1 7/16 - 12	3/4 - 14	1.64	1.78	1 7/16	4,000
FS-2501-16-16-4	1"	1 7/16 - 12	1 - 11 1/2	1.64	1.97	1 7/16	3,000
FS-2501-20-16-4 #	1 1/4	1 11/16 - 12	1 - 11 1/2	1.72	2.36	1 5/8	3,000
FS-2501-20-20-4	1 1/4	1 11/16 - 12	1 1/4 - 11 1/2	1.76	2.38	1 5/8	2,500

Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-2503

O-Ring Face Seal Fittings OFS Male Elbow



Reference
Aeroquip FF2093T0404
Parker Tube VLO
Weatherhead 4355
SAE J1453

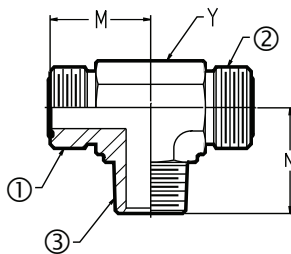
Part No.	Tube O.D.	1 Male OFS	2 Male NPTF	M Length	N Length	Y Flats	Operating Pressure
FS-2503-04-04-4 #	1/4	9/16 - 18	1/4 - 18	0.68	0.86	9/16	6,000
FS-2503-06-04-4 #	3/8	11/16 - 16	1/4 - 18	0.74	0.87	3/4	6,000
FS-2503-06-06-4 #	3/8	11/16 - 16	3/8 - 18	0.74	0.87	3/4	6,000
FS-2503-08-08-4	1/2	13/16 - 16	1/2 - 14	0.86	1.17	7/8	6,000
FS-2503-10-08-4 #	5/8	1 - 14	1/2 - 14	0.92	1.17	1 1/16	6,000
FS-2503-12-12-4 #	3/4	1 3/16 - 12	3/4 - 14	1.02	1.30	1 5/16	4,000
FS-2503-16-16-4 #	1"	1 7/16 - 12	1 - 11 1/2	1.18	1.48	1 7/16	3,000
FS-2503-20-20-4 #	1 1/4	1 11/16 - 12	1 1/4 - 11 1/2	1.26	1.67	1 5/8	2,500

Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-2601

OFS Male Branch Tee



Reference
Aeroquip FF2001T0604
Parker Tube SLO
Weatherhead 4605
SAE J1453

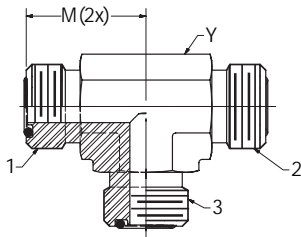
Part No.	Tube O.D.	1-2 Male OFS	3 Male NPTF	M Length	N Length	Y Flats	Operating Pressure
FS-2601-06-06-04-4 #	3/8	11/16 - 16	1/4 - 18	0.99	1.10	3/4	6,000
FS-2601-06-06-06-4 #	3/8	11/16 - 16	3/8 - 18	0.98	1.22	3/4	6,000
FS-2601-08-08-06-4 #	1/2	13/16 - 16	3/8 - 18	1.10	1.22	3/4	6,000
FS-2601-08-08-08-4 #	1/2	13/16 - 16	1/2 - 14	1.10	1.47	7/8	6,000
FS-2601-12-12-12-4	3/4	1 3/16 - 12	3/4 - 14	1.43	1.55	1 3/16	4,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-2603

O-Ring Face Seal Fittings OFS Union Tee



Reference
Aeroquip FF1898T0404
Parker Tube JLO
Weatherhead 4705
SAE 520401

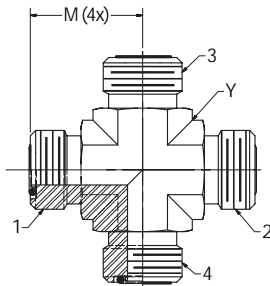
Part No.	Tube O.D.	1-2-3 Male OFS	M Length	Y Flats	Operating Pressure
FS-2603-04-04-04-4	1/4	9/16 - 18	0.85	9/16	9,200
FS-2603-06-06-06-4	3/8	11/16 - 16	0.98	3/4	9,200
FS-2603-08-08-08-4	1/2	13/16 - 16	1.10	3/4	9,200
FS-2603-10-10-10-4	5/8	1 - 14	1.31	1 1/16	6,000
FS-2603-12-12-12-4	3/4	1 3/16 - 12	1.47	1 3/16	6,000
FS-2603-16-16-16-4	1"	1 7/16 - 12	1.64	1 7/16	6,000
FS-2603-20-20-20-4 #	1 1/4	1 11/16 - 12	1.76	1 5/8	5,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-2650

OFS Union Cross



Reference
Parker Tube KLO
Weatherhead 4955
SAE 520501

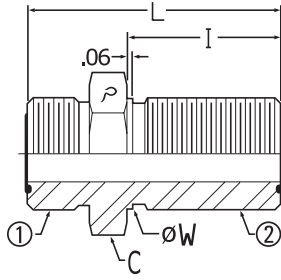
Part No.	Tube O.D.	1-2-3-4 Male OFS	M Length	Y Flats	Operating Pressure
FS-2650-04-04-04-04-4 #	1/4	9/16 - 18	0.85	9/16	9,200
FS-2650-06-06-06-06-4 #	3/8	11/16 - 16	0.98	3/4	9,200
FS-2650-08-08-08-08-4 #	1/2	13/16 - 16	1.13	3/4	9,200
FS-2650-10-10-10-10-4 #	5/8	1 - 14	1.31	1 5/8	6,000
FS-2650-12-12-12-12-4 #	3/4	1 3/16 - 12	1.48	1 3/16	6,000
FS-2650-16-16-16-16-4 #	1"	1 7/16 - 12	1.40	1 7/16	6,000
FS-2650-20-20-20-20-4 #	1 1/4	1 11/16 - 12	1.76	1 5/8	5,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-2700

O-Ring Face Seal Fittings OFS Bulkhead Union



Reference
Aeroquip FF1994T0404
Parker Tube WLO
Weatherhead 4325
SAE 520601

Part No.	Tube O.D.	1 Male OFS	2 Bulkhead Male OFS	C Hex	I Assembled	L Length	Ø W Diameter	Operating Pressure
FS-2700-04-04	1/4	9/16 - 18	9/16 - 18	13/16	1.24	1.90	0.56	9,200
FS-2700-06-06	3/8	11/16 - 16	11/16 - 16	1"	1.34	2.09	0.69	9,200
FS-2700-08-08	1/2	13/16 - 16	13/16 - 16	1 1/8	1.44	2.30	0.81	9,200
FS-2700-10-10	5/8	1 - 14	1 - 14	1 5/16	1.60	2.62	1.00	6,000
FS-2700-12-12	3/4	1 3/16 - 12	1 3/16 - 12	1 1/2	1.64	2.72	1.19	6,000
FS-2700-16-16	1"	1 7/16 - 12	1 7/16 - 12	1 3/4	1.66	2.76	1.44	6,000
FS-2700-20-20	1 1/4	1 11/16 - 12	1 11/16 - 12	2"	1.66	2.76	1.69	6,000
FS-2700-24-24 #	1 1/2	2 - 12	2 - 12	2 3/8	1.66	2.76	2.00	5,000

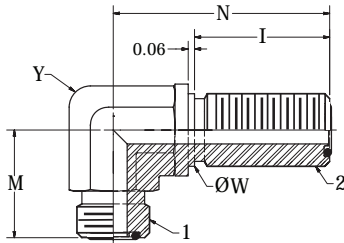
For an OFS Locknut (FS-306) assembled on the body, just add suffix "LN" to the series number (example: FS-2700LN).

4:1 Safety Factor

Minimum Order Quantity May Apply.

FS-2701

O-Ring Face Seal Fittings OFS Bulkhead Union Elbow



Reference
Aeroquip FF2030T0404
Parker Tube WELO
Weatherhead 4525
SAE 520701

Part No.	Tube O.D.	1 Male OFS	2 Bulkhead Male OFS	I Assembled	M Length	N Length	Ø W Diameter	Y Flats	Operating Pressure
FS-2701-04-04-4	1/4	9/16 - 18	9/16 - 18	1.24	0.89	1.85	0.56	9/16	9,200
FS-2701-06-06-4	3/8	11/16 - 16	11/16 - 16	1.34	1.02	2.05	0.69	3/4	9,200
FS-2701-08-08-4	1/2	13/16 - 16	13/16 - 16	1.44	1.14	2.18	0.81	3/4	9,200
FS-2701-10-10-4 #	5/8	1 - 14	1 - 14	1.60	1.36	2.48	1.00	1 1/16	6,000
FS-2701-12-12-4	3/4	1 3/16 - 12	1 3/16 - 12	1.64	1.52	2.65	1.19	1 3/16	6,000
FS-2701-16-16-4	1"	1 7/16 - 12	1 7/16 - 12	1.66	1.67	2.80	1.44	1 7/16	6,000
FS-2701-20-20-4	1 1/4	1 11/16 - 12	1 11/16 - 12	1.66	1.79	3.09	1.69	1 5/8	6,000
FS-2701-24-24-4 #	1 1/2	2 - 12	2 - 12	1.66	1.95	3.13	2.00	1 7/8	5,000

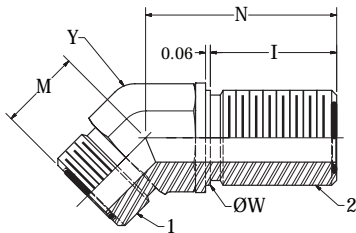
For an OFS Locknut (FS-306) assembled on the body, just add suffix "LN" to the series number (example: FS-2701LN).

4:1 Safety Factor

Minimum Order Quantity May Apply.

FS-2702

O-Ring Face Seal Fittings



Reference
Aeroquip FF2144T0404
Parker Tube WNLO
Weatherhead 4375
SAE 520801

Part No.	Tube O.D.	1 Male OFS	2 Bulkhead Male OFS	I Assembled	M Length	N Length	Ø W Diameter	Y Flats	Operating Pressure
FS-2702-04-04-4 #	1/4	9/16 - 18	9/16 - 18	1.24	0.63	1.73	0.56	9/16	9,200
FS-2702-06-06-4	3/8	11/16 - 16	11/16 - 16	1.34	0.74	1.91	0.69	3/4	9,200
FS-2702-08-08-4	1/2	13/16 - 16	13/16 - 16	1.44	0.80	2.01	0.81	3/4	9,200
FS-2702-10-08-4 #	5/8	1 - 14	13/16 - 16	1.44	0.92	2.13	0.81	1 1/16	6,000
FS-2702-10-10-4 #	5/8	1 - 14	1 - 14	1.60	0.92	2.23	1.00	1 1/16	6,000
FS-2702-12-12-4	3/4	1 3/16 - 12	1 3/16 - 12	1.64	1.02	2.39	1.19	1 3/16	6,000
FS-2702-16-16-4	1"	1 7/16 - 12	1 7/16 - 12	1.66	1.18	2.57	1.44	1 7/16	6,000

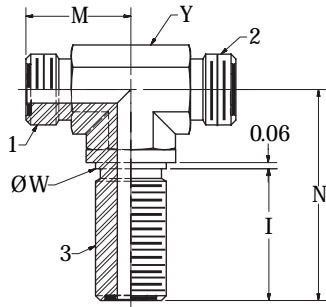
For an OFS Locknut (FS-306) assembled on the body, just add suffix "LN" to the series number (example: FS-2702LN).

4:1 Safety Factor

Minimum Order Quantity May Apply.

FS-2703

O-Ring Face Seal Fittings OFS Bulkhead Branch Tee



Reference
Aeroquip FF2174T0404
Parker Tube WJLO
SAE 520959

Part No.	Tube O.D.	1-2 Male OFS	3 Bulkhead Male OFS	I Assembled	M Length	N Length	Ø W Diameter	Y Flats	Operating Pressure
FS-2703-04-04-04-4 #	1/4	9/16 - 18	9/16 - 18	1.24	0.89	1.85	0.56	9/16	9,200
FS-2703-06-06-06-4	3/8	11/16 - 16	11/16 - 16	1.34	1.02	2.05	0.69	3/4	9,200
FS-2703-08-08-08-4 #	1/2	13/16 - 16	13/16 - 16	1.44	1.14	2.18	1.00	3/4	9,200
FS-2703-10-10-10-4 #	5/8	1 - 14	1 - 14	1.60	1.36	2.48	1.19	1 1/16	6,000
FS-2703-12-12-12-4 #	3/4	1 3/16 - 12	1 3/16 - 12	1.64	1.52	2.65	1.44	1 3/16	6,000
FS-2703-16-16-16-4 #	1"	1 7/16 - 12	1 7/16 - 12	1.66	1.67	2.80	1.69	1 7/16	6,000

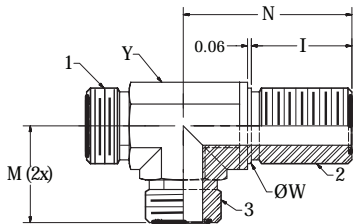
For an OFS Locknut (FS-306) assembled on the body, just add suffix "LN" to the series number (example: FS-2703LN).

4:1 Safety Factor

Minimum Order Quantity May Apply.

FS-2704

OFS Bulkhead Run Tee



Reference
Aeroquip FF2033T0404
Parker Tube WJLO
Weatherhead 4726
SAE 520958

Part No.	Tube O.D.	1-3 Male OFS	2 Bulkhead Male OFS	I Assembled	M Length	N Length	Ø W Diameter	Y Flats	Operating Pressure
FS-2704-04-04-04-4 #	1/4	9/16 - 18	9/16 - 18	1.24	0.89	1.85	0.56	9/16	9,200
FS-2704-06-06-06-4	3/8	11/16 - 16	11/16 - 16	1.34	1.02	2.05	0.69	3/4	9,200
FS-2704-08-08-08-4	1/2	13/16 - 16	13/16 - 16	1.38	1.14	2.18	0.81	3/4	9,200
FS-2704-10-10-10-4 #	5/8	1 - 14	1 - 14	1.60	1.36	2.48	1.00	1 1/16	6,000
FS-2704-12-12-12-4 #	3/4	1 3/16 - 12	1 3/16 - 12	1.64	1.52	2.65	1.19	1 3/16	6,000
FS-2704-16-16-16-4 #	1"	1 7/16 - 12	1 7/16 - 12	1.66	1.67	2.80	1.44	1 7/16	6,000
FS-2704-24-24-24-4 #	1 1/2	2 - 12	2 - 12	1.66	1.95	3.13	2.00	1 7/8	4,000

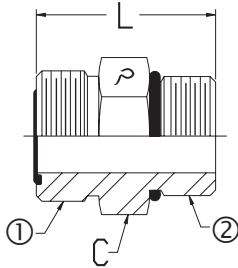
For an OFS Locknut (FS-306) assembled on the body, just add suffix "LN" to the series number (example: FS-2704LN).

4:1 Safety Factor

Minimum Order Quantity May Apply.

FS-6400

O-Ring Face Seal Fittings OFS Straight Thread Connector



Reference
Aeroquip FF1852T0403
Parker Tube F50LO
Weatherhead 4315
SAE 520120

Part No.	Tube O.D.	1 Male OFS	2 Male ORB	C Hex	L Length	Operating Pressure
FS-6400-04-03 #	1/4	9/16 - 18	3/8 - 24	5/8	0.70	9,200
FS-6400-04-04	1/4	9/16 - 18	7/16 - 20	5/8	1.13	9,200
FS-6400-04-05 #	1/4	9/16 - 18	1/2 - 20	5/8	1.13	9,200
FS-6400-04-06	1/4	9/16 - 18	9/16 - 18	3/4	1.20	9,200
FS-6400-04-08	1/4	9/16 - 18	3/4 - 16	7/8	1.32	9,200
FS-6400-06-04	3/8	11/16 - 16	7/16 - 20	3/4	1.34	9,200
FS-6400-06-06	3/8	11/16 - 16	9/16 - 18	3/4	1.25	9,200
FS-6400-06-08	3/8	11/16 - 16	3/4 - 16	7/8	1.38	9,200
FS-6400-06-10	3/8	11/16 - 16	7/8 - 14	1"	1.53	9,200
FS-6400-06-12	3/8	11/16 - 16	1 1/16 - 12	1 1/4	1.69	9,200
FS-6400-08-06	1/2	13/16 - 16	9/16 - 18	7/8	1.47	9,200
FS-6400-08-08	1/2	13/16 - 16	3/4 - 16	7/8	1.44	9,200
FS-6400-08-10	1/2	13/16 - 16	7/8 - 14	1"	1.59	6,000
FS-6400-08-12	1/2	13/16 - 16	1 1/16 - 12	1 1/4	1.75	6,000
FS-6400-08-16	1/2	13/16 - 16	1 5/16 - 12	1 1/2	1.79	6,000
FS-6400-10-08	5/8	1 - 14	3/4 - 16	1 1/16	1.78	6,000
FS-6400-10-10	5/8	1 - 14	7/8 - 14	1 1/16	1.70	6,000
FS-6400-10-12	5/8	1 - 14	1 1/16 - 12	1 1/4	1.86	6,000
FS-6400-12-08	3/4	1 3/16 - 12	3/4 - 16	1 1/4	1.91	6,000
FS-6400-12-10	3/4	1 3/16 - 12	7/8 - 14	1 1/4	1.99	6,000
FS-6400-12-12	3/4	1 3/16 - 12	1 1/16 - 12	1 1/4	1.92	6,000
FS-6400-12-16	3/4	1 3/16 - 12	1 5/16 - 12	1 1/2	1.96	6,000
FS-6400-16-12	1"	1 7/16 - 12	1 1/16 - 12	1 1/2	2.14	6,000
FS-6400-16-16	1"	1 7/16 - 12	1 5/16 - 12	1 1/2	1.98	6,000
FS-6400-16-20	1"	1 7/16 - 12	1 5/8 - 12	1 7/8	2.06	6,000
FS-6400-20-16	1 1/4	1 11/16 - 12	1 5/16 - 12	1 7/8	2.28	6,000
FS-6400-20-20	1 1/4	1 11/16 - 12	1 5/8 - 12	1 7/8	2.06	6,000
FS-6400-20-24	1 1/4	1 11/16 - 12	1 7/8 - 12	2 1/8	2.13	5,000
FS-6400-24-20	1 1/2	2 - 12	1 5/8 - 12	2 1/8	2.33	5,000
FS-6400-24-24	1 1/2	2 - 12	1 7/8 - 12	2 1/8	2.13	5,000

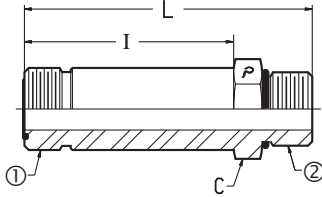
Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-6400L

O-Ring Face Seal Fittings OFS Straight Thread Connector Long

Reference
 Aeroquip FF1854T0404
 Parker Tube FF50LO
 Weatherhead 4316
 SAE 520122



Part No.	Tube O.D.	1 Male OFS	2 Male ORB	C Hex	I Hex	L Length	Operating Pressure
FS-6400L-04-04 #	1/4	9/16 - 18	7/16 - 20	5/8	_____	2.07	9,200
FS-6400L-06-06	3/8	11/16 - 16	9/16 - 18	3/4	1.46	2.27	9,200
FS-6400L-08-08 #	1/2	13/16 - 16	3/4 - 16	7/8	1.75	2.67	9,200
FS-6400L-10-10 #	5/8	1 - 14	7/8 - 14	1 1/16	2.07	3.13	6,000
FS-6400L-12-12	3/4	1 3/16 - 12	1 1/16 - 12	1 1/4	2.52	3.76	6,000
FS-6400L-16-16 #	1"	1 7/16 - 12	1 5/16 - 12	1 1/2	2.87	4.13	6,000
FS-6400L-20-20 #	1 1/4	1 11/16 - 12	1 5/8 - 12	1 3/4	_____	4.76	6,000
FS-6400L-24-24 #	1 1/2	2 - 12	1 7/8 - 12	2 1/8	_____	5.26	6,000

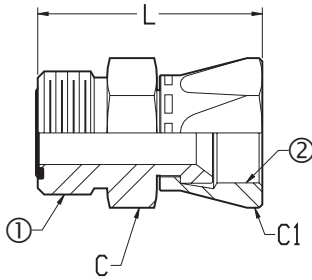
Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-6402

O-Ring Face Seal Fittings Male OFS x Female JIC Swivel

Reference
Parker Tube LOHX6
SAE J1453



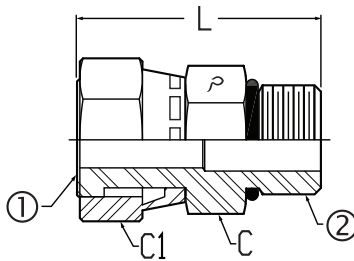
Part No.	Tube O.D.	1 Male OFS	2 Female JIC Swivel	C Body Hex	C1 Nut Hex	L Length	Operating Pressure
FS-6402-04-04	1/4	9/16 - 18	7/16 - 20	5/8	9/16	1.36	7,500
FS-6402-06-06	3/8	11/16 - 16	9/16 - 18	3/4	11/16	1.56	5,000
FS-6402-08-08	1/2	13/16 - 16	3/4 - 16	7/8	7/8	1.63	5,000
FS-6402-10-10	5/8	1 - 14	7/8 - 14	1 1/16	1"	2.04	5,000
FS-6402-12-12	3/4	1 3/16 - 12	1 1/16 - 12	1 1/4	1 1/4	2.21	5,000

4:1 Safety Factor

FS-6412

Fem OFS Swivel x Male O-Ring Boss

Reference
Aeroquip FF2130T0404
Parker Tube F650L
SAE 520181



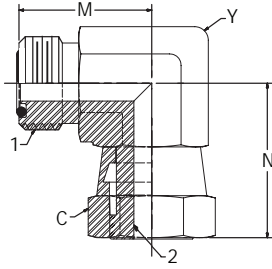
Part No.	Tube O.D.	1 Female OFS Swivel	2 Male ORB	C Body Hex	C1 Nut Hex	L Length	Operating Pressure
FS-6412-04-04 #	1/4	9/16 - 18	7/16 - 20	5/8	11/16	1.46	9,200
FS-6412-06-06	3/8	11/16 - 16	9/16 - 18	3/4	13/16	1.58	9,200
FS-6412-08-08	1/2	13/16 - 16	3/4 - 16	7/8	15/16	1.94	9,200
FS-6412-10-10 #	5/8	1 - 14	7/8 - 14	1 1/16	1 1/8	2.12	6,000
FS-6412-12-12	3/4	1 3/16 - 12	1 1/16 - 12	1 1/4	1 3/8	2.35	6,000
FS-6412-16-16	1"	1 7/16 - 12	1 5/16 - 12	1 1/2	1 5/8	2.66	6,000
FS-6412-20-20	1 1/4	1 11/16 - 12	1 5/8 - 12	1 7/8	1 7/8	2.66	5,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-6500

O-Ring Face Seal Fittings OFS Swivel Nut Elbow



Reference
Aeroquip FF2098T0404
Parker Tube C6LO
Weatherhead 4506
SAE 520221

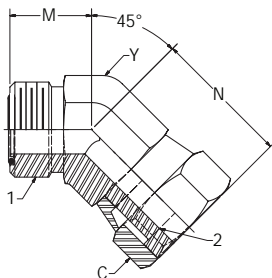
Part No.	Tube O.D.	1 Male OFS	2 Female OFS Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
FS-6500-04-04-4	1/4	9/16 - 18	9/16 - 18	11/16	0.85	1.04	9/16	9,200
FS-6500-06-06-4	3/8	11/16 - 16	11/16 - 16	13/16	0.98	1.15	3/4	9,200
FS-6500-06-08-4 #	3/8	11/16 - 16	13/16 - 16	15/16	1.10	1.50	3/4	9,200
FS-6500-08-06-4 #	1/2	13/16 - 16	11/16 - 16	13/16	1.10	1.33	3/4	9,200
FS-6500-08-08-4	1/2	13/16 - 16	13/16 - 16	15/16	1.10	1.49	3/4	9,200
FS-6500-10-10-4	5/8	1 - 14	1 - 14	1 1/8	1.31	1.62	1 1/16	6,000
FS-6500-12-08-4 #	3/4	1 3/16 - 12	13/16 - 16	15/16	1.46	1.65	1 3/16	6,000
FS-6500-12-12-4	3/4	1 3/16 - 12	1 3/16 - 12	1 3/8	1.47	1.82	1 3/16	6,000
FS-6500-16-16-4	1"	1 7/16 - 12	1 7/16 - 12	1 5/8	1.64	2.10	1 7/16	6,000
FS-6500-20-20-4	1 1/4	1 11/16 - 12	1 11/16 - 12	1 7/8	1.76	2.29	1 5/8	5,000
FS-6500-24-24-4	1 1/2	2 - 12	2 - 12	2 1/4	1.92	2.99	1 7/8	4,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-6502

OFS Swivel Nut Elbow



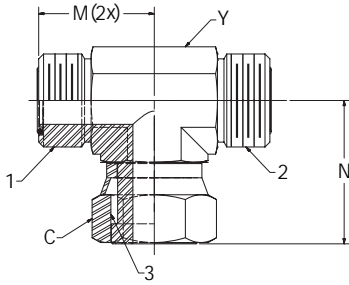
Reference
Parker Tube V50LO
SAE J1453

Part No.	Tube O.D.	1 Male OFS	2 Female OFS Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
FS-6502-08-08-4	1/2	13/16 - 16	13/16 - 16	15/16	0.80	1.49	3/4	9,200
FS-6502-12-12-4	3/4	1 3/16 - 12	1 3/16 - 12	1 3/8	1.02	1.73	1 3/16	6,000

4:1 Safety Factor

FS-6600

O-Ring Face Seal Fittings OFS Swivel Nut Branch Tee



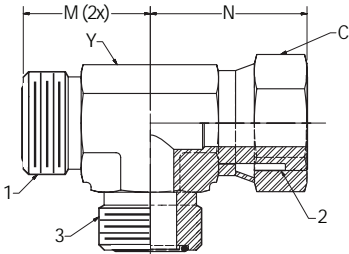
Reference
Aeroquip FF1857T0404
Parker Tube S6LO
Weatherhead 4707
SAE 520433

Part No.	Tube O.D.	1-2 Male OFS	3 Female OFS Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
FS-6600-04-04-04-4	1/4	9/16 - 18	9/16 - 18	11/16	0.85	1.04	9/16	9,200
FS-6600-06-06-06-4	3/8	11/16 - 16	11/16 - 16	13/16	0.98	1.15	3/4	9,200
FS-6600-08-08-08-4	1/2	13/16 - 16	13/16 - 16	15/16	1.10	1.49	3/4	9,200
FS-6600-10-10-10-4	5/8	1 - 14	1 - 14	1 1/8	1.31	1.62	1 1/16	6,000
FS-6600-12-12-12-4	3/4	1 3/16 - 12	1 3/16 - 12	1 3/8	1.47	1.82	1 3/16	6,000
FS-6600-16-16-16-4	1"	1 7/16 - 12	1 7/16 - 12	1 5/8	1.64	2.10	1 7/16	6,000
FS-6600-20-20-20-4	1 1/4	1 11/16 - 12	1 11/16 - 12	1 7/8	1.76	2.29	1 5/8	5,000

4:1 Safety Factor

FS-6602

OFS Swivel Nut Run Tee



Reference
Aeroquip FF2114T0404
Parker Tube R6LO
Weatherhead 4706
SAE 520432

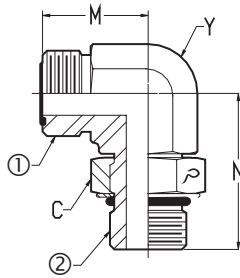
Part No.	Tube O.D.	1-3 Male OFS	2 Female OFS Swivel	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
FS-6602-04-04-04-4	1/4	9/16 - 18	9/16 - 18	11/16	0.85	1.04	9/16	9,200
FS-6602-06-06-06-4	3/8	11/16 - 16	11/16 - 16	13/16	0.98	1.15	3/4	9,200
FS-6602-08-08-08-4	1/2	13/16 - 16	13/16 - 16	15/16	1.10	1.49	3/4	9,200
FS-6602-10-10-10-4	5/8	1 - 14	1 - 14	1 1/8	1.31	1.62	1 1/16	6,000
FS-6602-12-12-12-4	3/4	1 3/16 - 12	1 3/16 - 12	1 3/8	1.47	1.82	1 3/16	6,000
FS-6602-16-16-16-4	1"	1 7/16 - 12	1 7/16 - 12	1 5/8	1.64	2.10	1 7/16	6,000
FS-6602-20-20-20-4	1 1/4	1 11/16 - 12	1 11/16 - 12	1 7/8	1.76	2.29	1 5/8	5,000
FS-6602-24-24-24-4 #	1 1/2	2 - 12	2 - 12	2 1/4	1.92	2.41	1 7/8	4,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-6801

O-Ring Face Seal Fittings OFS Straight Thread Elbow



Reference
Aeroquip FF1868T0404
Parker Tube C50LO
Weatherhead 4515
SAE 520220

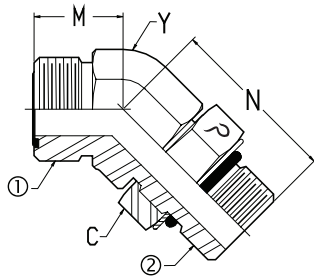
Part No.	Tube O.D.	1 Male OFS	2 Male ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
FS-6801-04-04-4	1/4	9/16 - 18	7/16 - 20	5/8	0.85	1.29	9/16	6,000
FS-6801-04-06-4	1/4	9/16 - 18	9/16 - 18	3/4	0.85	1.45	3/4	6,000
FS-6801-04-08-4 #	1/4	9/16 - 18	3/4 - 16	15/16	0.97	1.60	3/4	6,000
FS-6801-06-04-4	3/8	11/16 - 16	7/16 - 20	5/8	0.98	1.37	3/4	6,000
FS-6801-06-06-4	3/8	11/16 - 16	9/16 - 18	3/4	0.98	1.45	3/4	6,000
FS-6801-06-08-4	3/8	11/16 - 16	3/4 - 16	15/16	1.04	1.60	3/4	6,000
FS-6801-06-10-4	3/8	11/16 - 16	7/8 - 14	1 1/16	1.15	1.97	1 1/16	6,000
FS-6801-06-12-4	3/8	11/16 - 16	1 1/16 - 12	1 3/8	1.25	2.17	1 3/16	6,000
FS-6801-08-06-4	1/2	13/16 - 16	9/16 - 18	3/4	1.10	1.45	3/4	6,000
FS-6801-08-08-4	1/2	13/16 - 16	3/4 - 16	15/16	1.10	1.60	3/4	6,000
FS-6801-08-10-4	1/2	13/16 - 16	7/8 - 14	1 1/16	1.21	1.97	1 1/16	6,000
FS-6801-08-12-4	1/2	13/16 - 16	1 1/16 - 12	1 3/8	1.32	2.17	1 3/16	6,000
FS-6801-10-08-4	5/8	1 - 14	3/4 - 16	15/16	1.31	1.80	1 1/16	6,000
FS-6801-10-10-4	5/8	1 - 14	7/8 - 14	1 1/16	1.31	1.97	1 1/16	6,000
FS-6801-10-12-4	5/8	1 - 14	1 1/16 - 12	1 3/8	1.31	2.17	1 3/16	6,000
FS-6801-12-08-4	3/4	1 3/16 - 12	3/4 - 16	15/16	1.47	1.84	1 3/16	6,000
FS-6801-12-10-4	3/4	1 3/16 - 12	7/8 - 14	1 1/16	1.47	2.01	1 3/16	6,000
FS-6801-12-12-4	3/4	1 3/16 - 12	1 1/16 - 12	1 3/8	1.47	2.17	1 3/16	6,000
FS-6801-12-16-4	3/4	1 3/16 - 12	1 5/16 - 12	1 5/8	1.62	2.35	1 7/16	5,500
FS-6801-16-12-4	1"	1 7/16 - 12	1 1/16 - 12	1 3/8	1.64	2.32	1 7/16	6,000
FS-6801-16-16-4	1"	1 7/16 - 12	1 5/16 - 12	1 5/8	1.64	2.35	1 7/16	5,500
FS-6801-16-20-4	1"	1 7/16 - 12	1 5/8 - 12	1 7/8	1.76	2.45	1 5/8	4,000
FS-6801-20-16-4	1 1/4	1 11/16 - 12	1 5/16 - 12	1 5/8	1.76	2.45	1 5/8	4,000
FS-6801-20-20-4	1 1/4	1 11/16 - 12	1 5/8 - 12	1 7/8	1.76	2.45	1 5/8	4,000
FS-6801-24-24-4	1 1/2	2 - 12	1 7/8 - 12	2 1/8	1.92	2.59	1 7/8	4,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-6802

O-Ring Face Seal Fittings OFS Straight Thread Elbow



Reference
Aeroquip FF2068T0404
Parker Tube V50LO
Weatherhead 436
SAE 520320

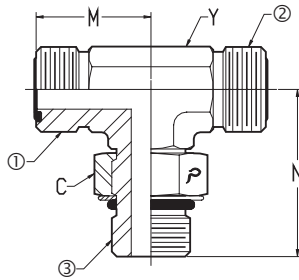
Part No.	Tube O.D.	1 Male OFS	2 Male ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
FS-6802-04-04-4	1/4	9/16 - 18	7/16 - 20	5/8	0.63	1.18	9/16	6,000
FS-6802-04-06-4	1/4	9/16 - 18	9/16 - 18	3/4	0.68	1.30	3/4	6,000
FS-6802-06-04-4 #	3/8	11/16 - 16	7/16 - 20	5/8	0.74	1.22	3/4	6,000
FS-6802-06-06-4	3/8	11/16 - 16	9/16 - 18	3/4	0.74	1.30	3/4	6,000
FS-6802-06-08-4	3/8	11/16 - 16	3/4 - 16	15/16	0.74	1.43	3/4	6,000
FS-6802-08-06-4	1/2	13/16 - 16	9/16 - 18	3/4	0.80	1.30	3/4	6,000
FS-6802-08-08-4	1/2	13/16 - 16	3/4 - 16	15/16	0.80	1.43	3/4	6,000
FS-6802-08-10-4	1/2	13/16 - 16	7/8 - 14	1 1/16	0.91	1.76	1 1/16	6,000
FS-6802-10-08-4	5/8	1 - 14	3/4 - 16	15/16	0.93	1.57	1 1/16	6,000
FS-6802-10-10-4	5/8	1 - 14	7/8 - 14	1 1/16	0.92	1.76	1 1/16	6,000
FS-6802-10-12-4	5/8	1 - 14	1 1/16 - 12	1 3/8	0.96	1.97	1 3/16	6,000
FS-6802-12-10-4	3/4	1 3/16 - 12	7/8 - 14	1 1/16	1.02	1.81	1 3/16	6,000
FS-6802-12-12-4	3/4	1 3/16 - 12	1 1/16 - 12	1 3/8	1.02	1.97	1 3/16	6,000
FS-6802-12-16-4 #	3/4	1 3/16 - 12	1 5/16 - 12	1 5/8	1.16	2.06	1 7/16	5,500
FS-6802-16-12-4	1"	1 7/16 - 12	1 1/16 - 12	1 3/8	1.18	2.03	1 7/16	6,000
FS-6802-16-16-4	1"	1 7/16 - 12	1 5/16 - 12	1 5/8	1.18	2.06	1 7/16	5,500
FS-6802-16-20-4 #	1"	1 7/16 - 12	1 5/8 - 12	1 7/8	1.26	2.11	1 5/8	4,000
FS-6802-20-20-4	1 1/4	1 11/16 - 12	1 5/8 - 12	1 7/8	1.26	2.11	1 5/8	4,000
FS-6802-24-24-4	1 1/2	2 - 12	1 7/8 - 12	2 1/8	1.45	2.11	1 7/8	4,000

Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-6803

O-Ring Face Seal Fittings OFS Straight Thread Branch Tee



Reference
Aeroquip FF1861T0404
Parker Tube S50LO
Weatherhead 4715
SAE 520429

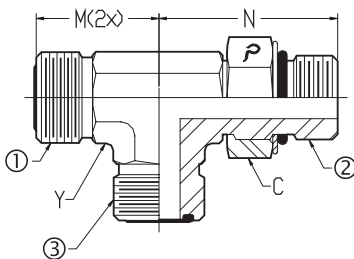
Part No.	Tube O.D.	1-2 Male OFS	3 Male ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
FS-6803-04-04-04-4 #	1/4	9/16 - 18	7/16 - 20	5/8	0.85	1.29	9/16	6,000
FS-6803-06-06-06-4	3/8	11/16 - 16	9/16 - 18	3/4	0.98	1.45	3/4	6,000
FS-6803-08-08-08-4	1/2	13/16 - 16	3/4 - 16	15/16	1.10	1.60	3/4	6,000
FS-6803-10-10-10-4 #	5/8	1 - 14	7/8 - 14	1 1/16	1.31	1.97	1 1/16	6,000
FS-6803-12-12-12-4	3/4	1 3/16 - 12	1 1/16 - 12	1 3/8	1.47	2.17	1 3/16	6,000
FS-6803-16-16-16-4 #	1"	1 7/16 - 12	1 5/16 - 12	1 5/8	1.64	2.35	1 7/16	5,500

Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-6804

OFS Straight Thread Run Tee



Reference
Aeroquip FF1865T0404
Parker Tube R50LO
Weatherhead 4716
SAE 520428

Part No.	Tube O.D.	1-3 Male OFS	2 Male ORB	C Nut Hex	M Length	N Length	Y Flats	Operating Pressure
FS-6804-04-04-04-4	1/4	9/16 - 18	7/16 - 20	5/8	0.85	1.29	9/16	6,000
FS-6804-04-06-04-4 #	1/4	9/16 - 18	9/16 - 18	3/4	0.90	1.45	3/4	6,000
FS-6804-06-06-06-4	3/8	11/16 - 16	9/16 - 18	3/4	0.98	1.45	3/4	6,000
FS-6804-08-06-08-4 #	1/2	13/16 - 16	9/16 - 18	3/4	1.10	1.44	3/4	6,000
FS-6804-08-08-08-4	ww1/2	13/16 - 16	3/4 - 16	15/16	1.10	1.60	3/4	6,000
FS-6804-08-12-08-4 #	1/2	13/16 - 16	1 1/16 - 12	1 3/8	1.32	2.17	1 3/16	6,000
FS-6804-10-10-10-4	5/8	1 - 14	7/8 - 14	1 1/16	1.31	1.97	1 1/16	6,000
FS-6804-12-12-12-4	3/4	1 3/16 - 12	1 1/16 - 12	1 3/8	1.47	2.17	1 3/16	6,000
FS-6804-16-16-16-4	1"	1 7/16 - 12	1 5/16 - 12	1 5/8	1.64	2.35	1 7/16	5,500
FS-6804-20-20-20-4 #	1 1/4	1 11/16 - 12	1 5/8 - 12	1 7/8	1.76	2.45	1 5/8	4,000

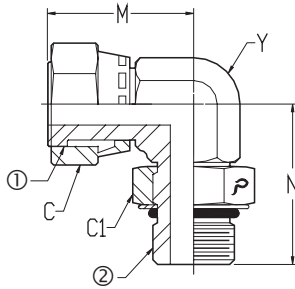
Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-6809

O-Ring Face Seal Fittings OFS Swivel Nut Elbow

Reference
SAE 520281



Part No.	Tube O.D.	1 Female OFS Swivel	2 Male ORB	C Nut Hex	C1 Nut Hex	M Length	N Length	Y Flats	Operating Pressure
FS-6809-04-04-4 #	1/4	9/16 - 18	7/16 - 20	11/16	5/8	1.04	1.29	9/16	6,000
FS-6809-06-06-4	3/8	11/16 - 16	9/16 - 18	13/16	3/4	1.15	1.45	3/4	6,000
FS-6809-08-08-4 #	1/2	13/16 - 16	3/4 - 16	15/16	15/16	1.49	1.60	3/4	6,000
FS-6809-10-10-4 #	5/8	1 - 14	7/8 - 14	1 1/8	1 1/16	0.48	1.62	1 1/16	6,000
FS-6809-12-12-4 #	3/4	1 3/16 - 12	1 1/16 - 12	1 3/8	1 3/8	1.82	2.17	1 3/16	6,000
FS-6809-16-16-4 #	1"	1 7/16 - 12	1 5/16 - 12	1 5/8	1 5/8	2.10	2.35	1 7/16	5,500
FS-6809-20-20-4 #	1 1/4	1 11/16 - 12	1 5/8 - 12	1 7/8	1 7/8	2.29	2.45	1 5/8	4,000

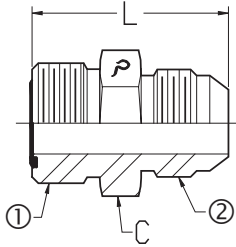
Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-7403

O-Ring Face Seal Fittings Male OFS x Male JIC

Reference
SAE J1453/J514



Part No.	Tube O.D.	1 Male OFS	2 Male JIC	C Hex	L Length	Operating Pressure
FS-7403-04-04	1/4	9/16 - 18	7/16 - 20	5/8	1.25	7,500
FS-7403-06-06	3/8	11/16 - 16	9/16 - 18	3/4	1.35	6,000
FS-7403-08-08	1/2	13/16 - 16	3/4 - 16	7/8	1.55	6,000
FS-7403-10-10	5/8	1 - 14	7/8 - 14	1 1/16	1.83	5,000
FS-7403-12-12	3/4	1 3/16 - 12	1 1/16 - 12	1 1/4	2.05	5,000
FS-7403-16-16	1"	1 7/16 - 12	1 5/16 - 12	1 1/2	2.16	4,000
FS-7403-20-20 #	1 1/4	1 11/16 - 12	1 5/8 - 12	1 3/4	2.25	4,000

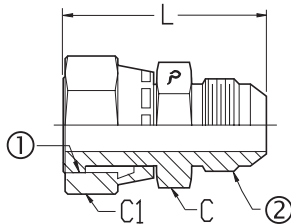
Minimum Order Quantity May Apply.

4:1 Safety Factor

FS-7504

Female OFS Swivel x Male JIC

Reference
SAE J1453



Part No.	Tube O.D.	1 Female OFS Swivel	2 Male JIC	C Body Hex	C1 Nut Hex	L Length	Operating Pressure
FS-7504-04-04	1/4	9/16 - 18	7/16 - 20	5/8	11/16	1.49	7,500
FS-7504-06-06	3/8	11/16 - 16	9/16 - 18	3/4	13/16	1.68	6,000
FS-7504-08-08	1/2	13/16 - 16	3/4 - 16	7/8	15/16	1.75	6,000
FS-7504-10-10	5/8	1 - 14	7/8 - 14	1 1/16	1 1/8	2.19	5,000
FS-7504-12-12	3/4	1 3/16 - 12	1 1/16 - 12	1 1/4	1 3/8	2.30	5,000
FS-7504-16-16	1"	1 7/16 - 12	1 5/16 - 12	1 1/2	1 5/8	2.50	4,000
FS-7504-20-20	1 1/4	1 11/16 - 12	1 5/8 - 12	1 11/16	1 7/8	2.81	4,000

4:1 Safety Factor

Crossover Chart

-(R) Designates a Reversal in Sizing

Use the Search feature on our Website

Competitor	PCC	Competitor	PCC	Competitor	PCC	Competitor	PCC
070101	2403-	140140	5406-	0588-	4805-	1290-	318-
070102	2404-	140157	6900-	05CP-	6408-	130109A	5407-
070103	2405-	140230	1501-	05HP-	6409-	130109E	5406P-
070109	2408-	140231	1502-	0603-	2406-	130109G	5408-
070110	318-	140238	5504-	063T-	6602-	130109N	5409-
070112	304C-	140239	5502-	0688-	4806-	140257	6901-
070115	319-	140330	1503-	06B-	318-	140331	1504-
070118	306-	140338	5505-	06CP-	304C-	1588-	4815-
070119	2403LH-	140339	5503-	06S-	319-	15T3-	1700-(R)
070120	6400-	140357	6902-	070111	304-	4AH3-	1700-(R)
070123	2406-	140424	5602-	070426	2606-	1788-	4817-
070123	2407-	140425	5604-	071520	6801L-	17T3-	1703-(R)
070201	2500-	140438	5605-	071620	6801LL-	4FH3-	1703-(R)
070202	2501-	0101-	5404-(R)	071720	6400L-	1988-	4819-
070203	2502-	0102-	5406-	072120	6801LLL-	19T3-	1704-(R)
070220	6801-	0103-	2404-(R)	077T-	1603-	4NH3-	1704-(R)
070221	6500-	0106-	6505-	080101	C-2403-	2018-	6505-
070302	2503-	0107-	1404-	080102	C-2404-	2020-	2650-
070320	6802-	012T-	5602-	080103	C-2405-	2021-	2404-(R)
070321	6502-	013T-	2605-(R)	080109	C-2408-	202113-	2404L-(R)
070401	2603-	0153-	2706-(R)	080110	C-318-	202114-	2404LL-(R)
070424	2605-	0188-	4801-	080115	C-319-	2022-	2405-(R)
070425	2601-	01CP-	5406P-	080118	C-306-	2023-	2503-(R)
070427	2602-	01HP-	5409-	080119	C-2403LH-	2024-	2501-(R)
070428	6804-	0201-	5405-(R)	080120	C-6400-	202411-	2501L-(R)
070429	6803-	0202-	5000-(R)	080123	C-2406-	202413-	2501LL-(R)
070432	6602-	0203-	2405-(R)	080201	C-2500-	202414-	2501LLL-(R)
070433	6600-	0207-	1405-	080202	C-2501-	2025-	2502-(R)
070501	2650-	0207-	1405-	080202	C-6600-	2027-	2403-
070601	2700-	022T-	5605-	080203	C-2502-	202702-	6400-(R)
070601	2700LN-	022X-	5652-	080220	C-6801-	202712-	2403LH-
070701	2701-	023T-	2606-	080221	C-6500-	202713-	6400L-(R)
070701	2701LN-	0253-	2705LN-	080302	C-2503-	2028-	2605-(R)
070801	2702-	0303-	2403-	080320	C-6802-	2029-	2606-(R)
070801	2702LN-	033T-	2603-	080401	C-2603-	2030-	2601-(R)
070958	2704-	033X-	2650-	080424	C-2605-	203002-	2703LN-
070958	2704LN-	0353-	2700LN-	080425	C-2601-	203002-1-	2703-
070959	2703-	0388-	4803-	080426	C-2606-	203003-	6803-(R)
070959	2703LN-	03CP-	2408-	080427	C-2602-	203005-	6804-(R)
071502	2501L-	03L3-	2403LH-	080428	C-6804-	203008-	2704LN-
071602	2501LL-	0502-	6405-	080429	C-6803-	2031-	2602-(R)
140130	1404-	0503-	6400-(R)	080432	C-6602-	203101-	6600-(R)
140131	1405-	0505-	6407-	080501	C-2650-	203102-	6602-(R)
140137	5404-	0507-	6900-	080601	C-2700-	2033-	2603-(R)
140138	5000-	0510-	6410-	090109A	6408-	2039-	2500-
140139	5405-	053T-	6804-	090109B	6409-	2040-	5405-

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-(R) Designates a Reversal in Sizing

Crossover Chart

Competitor	PCC	Competitor	PCC	Competitor	PCC	Competitor	PCC
2041-	2700LN-(R)	2203-	2502-(R)	4105x	FS-318-	500025-	1700-(R)
2041-1-	2700-(R)	2207-	1502-	4129x	FS-304C-	FF5239-	1700-(R)
2042-	2702LN-(R)	221000-	304-	4165x	FS-319-	500454-	6500BT-(R)
2042-1-	2702-(R)	2215-	2406-	41T3-	6500BTL-	504095-	6500BTL-(R)
2043-	2701LN-(R)	221501-	2407-	4202-	5505-	5050HK-	61SF-KIT-
2043-1-	2701-(R)	2216-	6405-(R)	4205x	FS-2404-	5151HK-	61SF-KIT-
2045-	1404-(R)	2222-	5409-	4213x	FS-6504-	51H-	61SF-
2046-	1405-(R)	2239-	2705-	4229x	FS-2408-	50H	61SF-
2047-	1501-(R)	2239-	2705LN-	430160	4404-	520101	FS-2403-
2048-	1502-(R)	223T-	2602-(R)	430192	4604-	520109	FS-2408-
2049-	1503-(R)	2240-	2706LN-	430260	4501-	520110	FS-318-
2050-	1504-(R)	2242-	6506-	430292	4601-	520112	FS-304C-
2061-	6802-(R)	2246-	6404-(R)	430360	4503-	520115	FS-319-
2062-	6801-(R)	2247-	5501-	430392	4603-	520118	FS-306-
206209-	6801LL-(R)	2249-	5701-(R)	4305x	FS-2403-	520120	FS-6400-
2066-	6900-(R)	2250-	6501-	4315x	FS-6400-	520122	FS-6400L-
2067-	6902-(R)	2251-	5700-(R)	4316x	FS-6400L-	520123	FS-2406-
2068-	6901-(R)	2252-	5702-(R)	4325x	FS-2700-	520181	FS-6412-
206801-	6805-(R)	2253-	1602-(R)	4355x	FS-2503-	520201	FS-2500-
206804-	6805LL-(R)	2254-	1601-(R)	4365x	FS-6802-	520220	FS-6801-
2070-	6502-	2255-	1603-	4375x	FS-2702-	520221	FS-6500-
2071-	6500-(R)	2256-	5601-	4405x	FS-2501-	520281	FS-6809-
2080-	5652-	2257-	5600-	449-74446-	61SF-	520320	FS-6802-
2081-	5406-	22617-	3-900	FC2713-	61SF-	520401	FS-2603-
2082-	5406P-	2266-	6402-	4505x	FS-2500-	520428	FS-6804-
2083-	5404-	227T-	1602-	4506x	FS-6500-	520429	FS-6803-
2084-	5404N-	2303-	2500-	4515x	FS-6801-	520432	FS-6602-
2085-	5500-	2353-	2701LN-	4525x	FS-2701-	520433	FS-6600-
2087-	5504-	2503-	6801-(R)	4535x	FS-6809-	520501	FS-2650-
2088-	5503-(R)	2507-	6901-	4629x	FS-900	520601	FS-2700-
2089-	5502-	2507-	6901-	4705x	FS-2603-	520701	FS-2701-
2090-	5605-	253T-	6803-	4706x	FS-6602-	520801	FS-2702-
2091-	5604-(R)	3102-	5503-	4707x	FS-6600-	520958	FS-2704-
2092-	5602-	3103-	2503-(R)	4715x	FS-6803-	520959	FS-2703-
2093-	5603-	3107-	1503-	4716x	FS-6804-	521520	FS-6801L-
2096-	5000-	3207-	1504-	4726x	FS-2704-	533T-	2704LN-
2101-	5500-	3353-	2702LN-	4924x	FS-306-	53N-	306-
2102-	5502-	3503-	6802-(R)	4955x	FS-2650-	543T-	2703LN-
210212-	306-	3507-	6902-	4AJM-	FS-1700-(R)	545__	1703-
210292-	304C-	3507-	6902-	4FJM-	FS-1703-(R)	5507-	FS-6901L-
2103-	2501-(R)	3703-	6502-	4NJM-	FS-1704-(R)	5507-	FS-6901L-
2107-	1501-	3-900	3-900	500__	1700-	5603-	2501L-(R)
212T-	5604-	3903-	6500-	500023-	1703-(R)	5607-	1501L-
213T-	2601-(R)	393T-	6600-	FF5238-	1703-(R)	5607-	1501L-
217T-	1601-	39T3-	6500BT-	500024-	1704-(R)	5703-	2501LL-(R)
2202-	5504-	4015x	FS-2406-	FF5162-	1704-(R)	590__	1704-

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Crossover Chart

-(R) Designates a Reversal in Sizing

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Competitor	PCC	Competitor	PCC	Competitor	PCC	Competitor	PCC
5E03-	6400L-	9255x	1405-(R)	C5105x	318-	-C50L0	FS-6801-
600__	1800-	9315x	6900-	C5115x	304-	-C50X	6801-
645__	1803-	9355x	1503-(R)	C5125x	302-	-C6BU	C-6500-
690__	1804-	9365x	6902-	C5129x	304C-	-C6L0	FS-6500-
6AH3-	1800-(R)	9385x	1504-(R)	C5165x	319-	-C6X	6500-
6AJM-	FS-1800-(R)	9405x	1501-(R)	C5205x	2404-	-CBU	C-2501-
6FH3-	1803-(R)	9405xLL	1501L-(R)	C5216x	6402-(R)	-CC5BU	C-6801L-
6FJM-	FS-1803-(R)	9406x	1601-(R)	C5229x	2408-	-CC50L0	FS-6801L-
6NH3-	1804-(R)	9435x	5701-	C5255x	2405-	-CC50X	6801LL-
6NJM-	FS-1804-(R)	9455-	1502-(R)	C5256x	6506-(R)	-CCCTX	2501LL-
7015x	C-2406-	9456-	1602-(R)	C5275x	2705-(R)	-CCTX	2501L-
7033x	6410-	9515x	6901-	C5305x	2403-	-CD	5502-
7105x	C-318-	9705x	1603-	C5306x	2403LH-	-CD45	5503-
711509-	3-900	AOE4G	6805LL-	C5314x	6407-	-CLO	FS-2501-
711510-	610-	AOE4G	6805LL-	C5315x	6400-	-CR	5500-
7129x	C-304C-	AOEG	6805-	C5316x	6400L-	-CTX	2501-
7165x	C-319-	AOEG	6805-	C5325x	2700-	-DBU	C-2502-
7205x	C-2404-	AOEG5	6815-	C5355x	2503-	-DD	5504-
7229x	C-2408-	AOEX6	6809-(R)	C5356x	6502-	-DD45	5505-
7237x	6408-	BL	FS-318-	C5365x	6802-	-DTX	2502-
7238x	6409-	BTX	318-	C5375x	2702-	-EBU	C-2500-
7255x	C-2405-	BU	C-318-	C5405x	2501-	-ELO	FS-2500-
7305x	C-2403-	C3069x	5404-	C5406-	6501-(R)	-ETX	2500-
7306x	C-2403LH-	C3109x	5406-	C5425x	2501L-	-F50G5	6410-
7315x	C-6400-	C3159x	5406P-	C5435x	2501LL-	-F5BU	C-6400-
7355x	C-2503-	C3169x	5409-	C5455x	2502-	-F50F	6401-
7365x	C-6802-	C3179x	5407-	C5505x	2500-	-F50G	6405-
7405x	C-2501-	C3209x	5405-(R)	C5506x	6500-	-F50HA0	6407-
7455x	C-2502-	C3239x	6404-	C5515LLx	6801LL-	-F50L0	FS-6400-
7505x	C-2500-	C3249x	6401-	C5515Lx	6801L-	-F50X	6400-
7515x	C-6801-	C3269x	6405-	C5515x	6801-	-F650L	FS-6412-
7605x	C-2601-	C3309x	5000-	C5525x	2701-	-F650X	6402-(R)
7629x	3-900	C3359x	5503-	C5605x	2601-	-F6X	6505-(R)
7655x	C-2602-	C3409x	5502-	C5655x	2602-	-FBU	C-2404-
7705x	C-2603-	C3459x	6805-	C5705x	2603-	FC1229	FS-319-
7715x	C-6803-	C3469x	6805LL-	C5706x	6602-	FC2326	FS-318-
7716x	C-6804-	C3509x	5504-	C5707x	6600-	FC2875-	418-
7755x	C-2605-	C3529x	5500-	C5715x	6803-	FC3425_449	62SF-
7805x	C-2606-	C3559x	5505-	C5716x	6804-	-FCS1	61SF-
7924x	306-	C3569x	6806-	C5725x	2703-	-FCS2	62SF-
7955x	C-2650-	C3609x	5604-	C5726x	2704-	-FF	5404-
900598-	6408-	C3709x	5605-	C5755x	2605-	FF1010-	6410-
900599-	2408-	C3759x	5602-	C5805x	2606-	FF1065-	2704-
900605-	319-	C3805x	5603-	C5924x	306-	FF1162-	4501-
9100x	6505-(R)	C3959x	5652-	C5955x	2650-	FF1167-	4601-
9205x	1404-(R)	C5015x	2406-	C5BU	C-6801-	FF1168-	4603-

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-(R) Designates a Reversal in Sizing

Crossover Chart

Competitor	PCC	Competitor	PCC	Competitor	PCC	Competitor	PCC
FF1852T	FS-6400	FTX	2404	R50LO	FS-6804	WJTX-WLN	2704LN
FF1854T	FS-6400L	GGX	6506(R)	R50X	6804	WJTX	2703
FF1857T	FS-6600	GBU	C-2405	R6BU	C-6602	WJTX-WLN	2703LN
FF1861T	FS-6803	GG	5000	R6LO	FS-6602	WLN	306
FF1865T	FS-6804	GLO	FS-2405	R6X	6602	WLN	C-306
FF1868T	FS-6801	GTX	2405	RBU	C-2605	WLN	FS-306
FF1898T	FS-2603	H6X	6565	RRS	5600	WLO	FS-2700
FF1994T	FS-2700	HBU	C-2403	RTX	2605	WNLO	FS-2702
FF2000T	FS-2403	HFH	62SF	S5BU	C-6803	WNTX	2702
FF2001T	FS-2601	HFHFHK	62SF-KIT	S50LO	FS-6803	WNTX-WLN	2702LN
FF2030T	FS-2701	HHP	5409	S50X	6803	WTX	2700
FF2031T	FS-2404	HL6	FS-6565	S6BU	C-6600	WTX-WLN	2700LN
FF2032T	FS-2501	HLO	FS-2403	S6LO	FS-6600	x251	61SF
FF2035T	FS-2500	HP	5406P	S6X	6600	x252	610
FF2068T	FS-6802	HP50N	6409	SBU	C-2601	x262	62SF
FF2093T	FS-2503	HTX	2403	SFK	61SF-KIT	X6EF	6501-(R)
FF2098T	FS-6500	JBU	C-2603	SFK62	62SF-KIT	XEQ1	1704
FF2114T	FS-6602	JLO	FS-2603	SHP	5407	XEQ2	1804
FF2130T	FS-6412	JTX	2603	SLO	FS-2601	XHL6	FS-6504
FF2138	6409	KBU	C-2650	STX	2601	XHLO	FS-7403
FF2209T	FS-6504	KLO	FS-2650	TL	FS-319	XHQ1	1700
FF2281T	FS-2406	KMM00	5652	TRBU	C-2406	XHQ2	1800
FF5539	1803-(R)	KTX	2650	TRLO	FS-2406	XHX6	6504
FF5540	1804-(R)	LHBU	C-2403LH	TRTX	2406	XHX7	2406R
FF5541	1800-(R)	LHTX	2403LH	TRTXN	2407	XVQ1	1703
FF5943T	FS-1800-(R)	LOEQ1	FS-1704	TU	C-319	XVQ2	1803
FF5945T	FS-1804-(R)	LOEQ2	FS-1804	TX	319		
FF5946T	FS-1704-(R)	LOHL6	FS-2406R	V5BU	C-6802		End of Steel Crossover.
FF50LO	FS-6400L	LOHQ1	FS-1700	V50LO	FS-6802		
FF50X	6400L	LOHQ2	FS-1800	V50X	6802		
FF6001T	FS-1703-(R)	LOHX6	FS-6402	V6BU	C-6502		
FF6002T	FS-1803-(R)	LOVQ1	FS-1703	V6LO	FS-6502		
FF9605	419	LOVQ2	FS-1803	V6X	6502		
FF9767	FS-2408	MBU	C-2606	VBU	C-2503		
FF9768	FS-306	MMO	5605	VLO	FS-2503		
FF9863	FS-304C	MMS	5604-(R)	VTX	2503		
FFF	5404L	MRO	5602	WBU	C-2700		
FFTX	2404L	MTX	2606	WEBU	C-2701		
FFTX	2404L	OBU	C-2602	WELO	FS-2701		
FG	5405-(R)	OTX	2602	WETX	2701		
FHG5	6404	P50N	6408	WETX-WLN	2701LN		
FLO	FS-2404	PNLO	FS-2408	WFTX	2706-(R)		
FLOR	610	PNTX	2408	WGTX	2705-(R)		
FNL	FS-304C	PNU	C-2408	WGTX-WLN	2705LN-(R)		
FNTX	304C	PTR	5406	WJJLO	FS-2704		
FNU	C-304C	R5BU	C-6804	WJTX	2704		

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PRESSURE CONNECTIONS CORP. TERMS OF SALE

The following Terms of Sale ("Terms and Conditions") are a part of the sales contract ("Contract") between Pressure Connections Corp. (PCC) and Customer for the sale of Equipment and/or Parts and the provision of any ancillary services (collectively "Equipment" and/or "Parts") described on the face side of this form. The Contract between with Customer consists solely of the form of Quotation received from PCC, if any, PCC's Invoice, these Terms and Conditions, and any other documents expressly incorporated into the Quotation; **The acceptance by Customer of delivery of the Equipment and/or Parts (whether or not Customer signs the acknowledgment on the face hereof) will be Customer's agreement to the Contract and these Terms and Conditions, to the exclusion of any prior, additional or different terms or conditions.**

1. Prices and Terms of Payment

- Unless otherwise stated in this Contract, PCC's price quotations are subject to Customer acceptance within thirty (30) days, and may be withdrawn or canceled by PCC at any time after such date or before receipt of written notice of acceptance. Orders will be billed at prices in effect at time of shipment unless otherwise so stated in the Contract.
- This Contract is subject to final approval (including credit approval) and acceptance by PCC's home office and is not binding on PCC until signed by an authorized officer of PCC and such written acceptance is delivered to Customer.
- Prices do not include (and Customer shall pay when due) federal, state or local sales, use, excise, or other taxes, tariffs, or duties.
- Customer shall make all payments, without any setoff or deduction, on the term of 1/2% 10, Net 30 Days, interest on any delinquent balance at a rate of the lesser of 1 1/2% for every 30 day period of delinquency or the maximum rate permitted by law. Customer shall pay all attorneys' fees, court costs, and all other costs incurred by PCC in collecting past due accounts, including interest on such amounts at the rate provided above.
- In the event Purchaser cancels the order, all amounts previously paid by Purchaser shall be retained by Seller as liquidated damages.

2. Delivery

- Shipping dates are estimates only. PCC will use commercially reasonable efforts to ship by the date specified, but shall not be liable to Customer for any delay in delivering the Equipment and/or Parts (including any resulting incidental or consequential damages). Shipping dates shall in any event be extended for delays, such as but not limited to acts of God, fires, strikes, transportation delays, delays of PCC's vendors, or any other cause beyond PCC's reasonable control. If shipment or delivery of Equipment and/or Parts is delayed by or at the request of Customer, payment will become due in full thirty (30) days from the date such Equipment and/or Parts is ready for shipment. In such event, Customer shall pay on demand storage charges and other incidental expenses incurred by PCC as a result of the delay in addition to any interest on late payment. Shipment from stock is subject to availability.
- Unless otherwise stated in the Contract, the Equipment and/or Parts will be delivered to Customer Ex Works PCC's designated point of shipment, and Customer shall make all arrangements (and shall pay all costs) for transportation, handling and installation of the Equipment and/or Parts after delivery.
- Instructions for any special shipping, packing, or handling services must be given by Customer in writing at the time of placing the order. Customer will pay all costs for such services.

3. Cancellation

- Customer may cancel the Contract prior to delivery only upon written approval by PCC and upon payment by Customer to PCC of the following charges:
- For Equipment and/or Parts to be fabricated by PCC or its subcontractors, specialty, custom, or made to order Equipment and/or Parts, Customer shall pay to PCC on demand all direct and indirect costs (including without limitation engineering, product development, and allocable overhead and administrative costs) incurred by PCC or such subcontractor in performing under the Contract, as determined by PCC, prior to written notice of cancellation, plus profit in an amount equal to twenty percent (20%) of all such direct and indirect costs; provided that the liability of Customer shall not exceed the purchase price for the Equipment and/or Parts provided in this Contract.
 - For stock item, PCC's loss of profit as reasonably determined by PCC.
 - Any deposits or progress payments made by Customer on Equipment and/or Parts will be retained by PCC and applied to such cancellation charges. Customer acknowledges that any cancellation charges payable by Customer hereunder are not a penalty but are a reasonable approximation of the economic loss to PCC resulting from cancellation.

4. Proprietary Information

All specifications, drawings, designs, manufacturing data and all other data furnished by or belonging to PCC, or pertaining to Equipment and Parts, and all terms of sale ("Information") are trade secrets and proprietary information of PCC. Customer will not use or disclose (and will take steps to prevent its employees and contractors from using or disclosing) the Information except as specifically authorized by PCC.

5. Security Interest and Insurance

As security for payment of all amounts due PCC under this Contract, Customer hereby grants to PCC a security interest in the Equipment and/or Parts and all proceeds or products thereof and replacements or substitutions therefor, and PCC shall have all rights of a secured party under the Uniform Commercial Code in effect from time to time in the State of Ohio or any other applicable jurisdiction or any successor law or laws of like effect. Customer shall sign, and/or hereby authorizes PCC to prepare and file all financing statements and other documents which PCC may deem necessary or desirable to perfect such security interest in any public office. Until full and irrevocable payment for the Equipment and/or Parts, Customer shall maintain replacement value insurance covering the Equipment and/or Parts against loss of damage from any cause with PCC named as insured or co-insured to the extent of the unpaid purchase price.

6. Governmental Requirements; Industry Standards

PCC does not represent or warrant that the equipment and/or parts comply or will comply with any particular federal, state, or local statutes, regulations, or requirements of any type, including but not limited to occupation safety (e.g., OSHA or MSHA) requirements, environmental requirements, any electrical codes, or any voluntary industry standards. Since applications of the equipment and/or parts vary, customer shall be solely responsible for compliance with all such federal, state, and local statutes, regulations, or requirements of any type, and with any voluntary industry standards, and customer will indemnify and hold PCC harmless from any claims by third parties (including employees of customer) related to such compliance or to operation or use of the equipment and/or parts, including court costs and attorneys' fees.

7. Limited Warranty / Exclusive Remedy

PCC warrants to the customer that the equipment and parts (excluding wear parts) will be free from defects in material and workmanship under normal use and service for a period of three hundred sixty-five (365) days after delivery to customer, or 2,000 hours of normal use. Any warranty claims not submitted in writing by customer to PCC within the applicable warranty period and within thirty (30) days of discovery of defect will be deemed waived. The obligation of PCC shall be limited to the repair or replacement ex works facility designated by PCC (excluding shipping costs, to be paid by customer), of the equipment or such parts which PCC determines were defective in material or workmanship

under normal storage, use and service. This warranty applies only to new equipment and parts and expressly excludes wear parts. This warranty shall not apply to items manufactured by others attached to or incorporated in the equipment and/or parts, or to which the equipment and/or parts are attached or incorporated, and customer's recourse for defects in such equipment and/or parts of others shall be exclusively against the manufacturer of the equipment and/or parts under the terms of the PCC's warranty. This limited warranty does not apply to failures or defects of the equipment components, and/or parts (including wear parts) due to ordinary wear and tear, neglect (including but not limited to improper maintenance and storage), accident, improper installation or operation, or modification not authorized in writing by PCC (including but not limited to use of unauthorized parts or attachments). Any alteration or modification of the equipment or parts, or attaching of any parts or equipment not manufactured by PCC or not intended to be attached to the equipment or parts, or maintenance, use or operation of the equipment or parts contrary to PCC's or the manufacturer's instructions, shall at PCC's election void this warranty. This limited warranty shall extend only to the customer and is not assignable. The exclusive remedy of customer under this warranty or otherwise in connection with the equipment and for parts, shall be repair or replacement of the equipment and/or parts in accordance with this paragraph, PCC's sole and absolute discretion.

8. Limitation of Liability

PCC's liability (and the exclusive remedy of customer) under this warranty for any alleged defect or failure of the equipment and/or parts (including results of operation of the equipment and/or parts, and whether resulting from defects, failures, or errors in design, materials or workmanship, or otherwise) is limited as provided in 7 above. PCC shall not be liable to customer for any direct, indirect, or consequential damages in connection with the equipment and/or parts or otherwise in connection with this contract, including but not limited to damages resulting from delays; loss of use of property; results of use of the equipment and/or parts; losses of income, profit or production; or increased costs of operation, or damages to other property arising in connection with the equipment and/or parts.

9. Exclusion of Expressed / Implied Warranties

Except as provided in paragraph 7 above, PCC disclaims any and all express and implied warranties in any way relating to the equipment and/or parts, including without limitation any implied warranties of merchantability or fitness for a particular purpose.

10. Dispute Resolution / Arbitration Procedure

- Except as provided herein, all disputes relating to this Contract or to the Equipment and/or Parts in any way ("Dispute") shall be resolved by arbitration in accordance with the Commercial Arbitration Rules of the American Arbitration Association ("AAA"), and judgment upon the award rendered in the arbitration may be entered in any court having jurisdiction. The parties also agree that the AAA Optional Rules for Emergency Measures of Protection shall apply to the proceedings. The arbitration shall be conducted and the award made in Franklin County, Ohio before a single arbitrator. The arbitrator shall be selected from a list of approved arbitrators maintained by the Association of Equipment Manufacturers ("AEM") or its successor. If the AAA is unable to furnish a list of potential arbitrators satisfying such requirements, PCC shall supply Customer a list of at least five (5) such persons from which the arbitrator shall be selected by Customer. Any award shall be final and binding on the parties. The arbitrator shall include in the award the costs and attorneys' fees incurred by the prevailing party in the arbitration.
- Notwithstanding the above, the arbitration provisions in Paragraph 10(a) above shall not apply, at PCC's sole option, including in circumstances in which Customer has already served a demand for arbitration upon PCC, to any one or more claims or actions against Customer by PCC in connection with (i) collection of any amounts due PCC by Customer for the Equipment and/or Parts or otherwise under this Contract, including but not limited to interest on such amounts and attorneys' fees as provided above, (ii) enforcement by PCC of any security interest in the Equipment and/or Parts and/or the proceeds thereof under this Contract or otherwise under applicable law, or (iii) exercise by PCC of any and all remedies available to it in law or in equity in connection with actions described in (i) and (ii) above, including without limitation foreclosure and replevin. Any actions described in this Paragraph 10(b) are referred to as "Excluded Actions." PCC may at PCC's option maintain any such Excluded Actions in any state or federal court in the State of Ohio described in Paragraph 12 or in any other court having jurisdiction over Customer, and the parties hereto irrevocably consent to the jurisdiction of such courts in connection with Excluded Actions and agree that any such courts are a proper venue for any such Excluded Actions.

11. Entire Agreement

The Contract is the entire agreement of the parties relating to the Equipment and/or Parts and supersedes all prior discussions, correspondence or agreements (whether written or oral). The contract may not be amended nor any terms added, deleted, or changed except in writing signed by the parties and expressly stated to be an amendment. The Contract shall inure to the benefit of and be binding on the parties and their respective successors and assigns. Any execution by PCC of a document submitted by Customer in connection with Equipment and/or Parts shall not constitute acceptance by PCC of any such additional or conflicting terms, or any modification of this Contract, but only acknowledgment of receipt of such document.

12. Governing Law; Jurisdiction

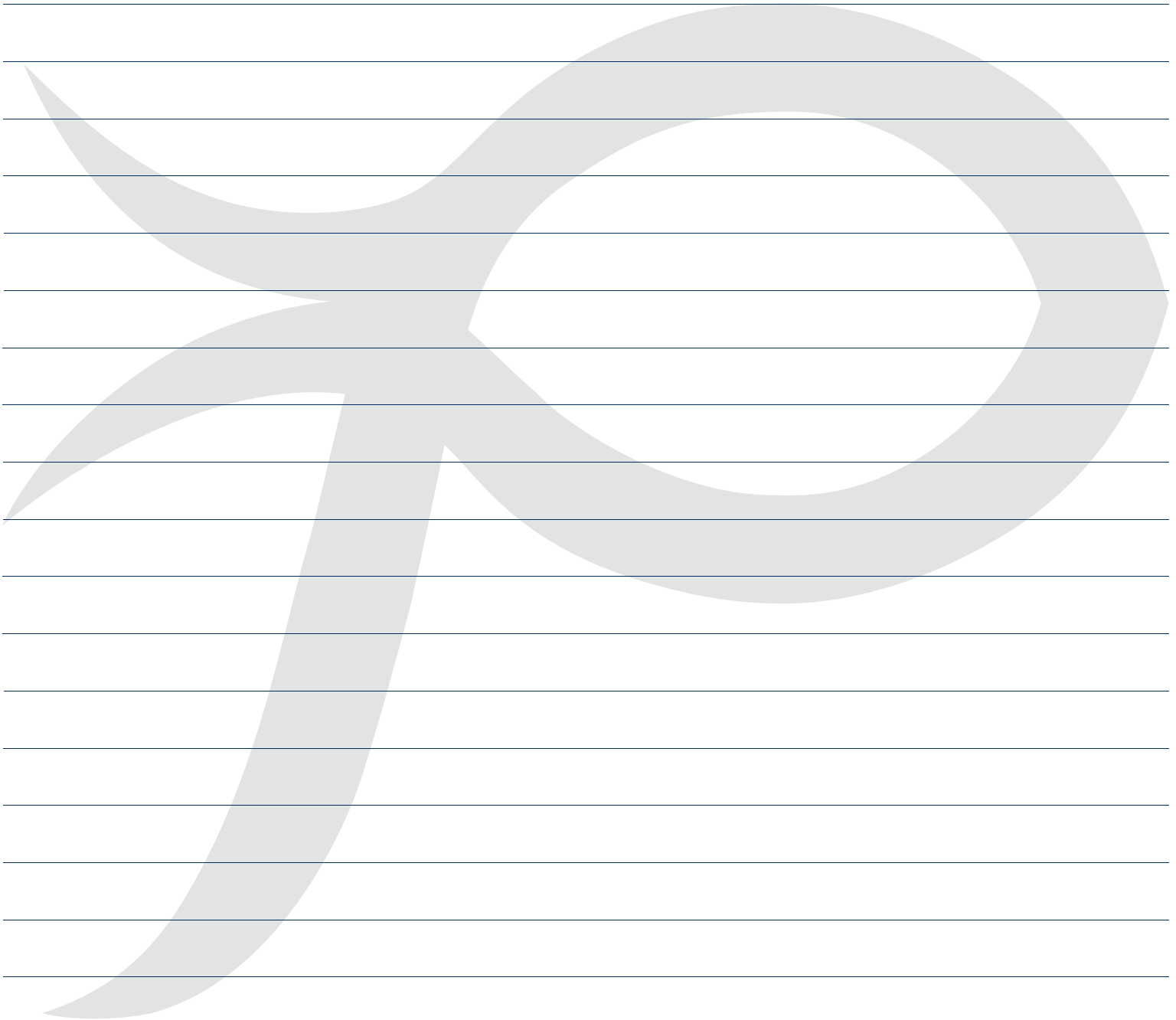
This Contract shall be interpreted in accordance with and its performance shall be governed by the laws of the State of Ohio without regard to conflict of laws principles. The parties hereby agree that the state courts located in the State of Ohio or the United States District Court for the Southern District of Ohio, Eastern Division, shall have exclusive jurisdiction over any action or suit between the parties (including any action to compel arbitration or to enforce an arbitration award) in connection with this Contract or the Equipment and/or Parts, and the parties hereto irrevocably consent to the jurisdiction of such courts in connection with such action or suit, and agree that any such courts are a proper venue for any such action or suit. Notwithstanding the above, any Excluded Actions may be maintained by PCC in any state or federal court having jurisdiction over Customer or such Excluded Actions.

PRESSURE CONNECTIONS CORP.

610 Claycraft Rd. Columbus, OH 43230

Phone (614) 863-6930 • Fax (614) 864-1327

www.PressureConnections.com



ISO 9000 Requirements

ISO 9001:2008* Audit:

"Pressure Connections is a really exceptional example of ISO 9001 at work. In regards to quality management, you guys have that one thousand and ten percent."

James Mitchell
ISO Auditor, Quality Assurance
Systems Inc

What Does ISO 9000 Certified Mean?

"The Quality Assurance standard (ISO 9001:2008*) lays down the requirements that a quality system should meet, but *does not dictate how they should be achieved.*" -Institute of Quality Assurance (IQA)

In other words, **achievement** will vary from one company to another. Pressure Connections has laid down the strictest requirements for us to meet and achieve the highest quality for our customers. **This supports our Business Philosophy, Vision, and Mission.**

(Ref. www.pressureconnections.com - See About Us)

What does ISO 9000 Require?

What does ISO 9000 Require?	Pressure Connections Standard	ISO 9000 Standard
1. How Many Trained Quality Assurance Personnel are required?	7 Full Time	1 Part Time
2. How many dollars in Thread Gauges are required?	\$300,000	\$0
3. Is a Coordinate Measuring Machine (CMM) required?	Yes	No
4. Is a Comparator required?	Yes	No
5. Is a Rockwell Hardness Tester required?	Yes	No
6. Is a Profilometer (Surface Finish Tester) required?	Yes	No
7. Is a Pressure Test Stand required?	Yes	No
8. Do O-Rings need to be installed with O-Ring Mandrels?	Yes	No

Quality Assurance Department

We will provide a Certificate of Conformance upon request. A Variety of certifications are available. We are confident that our Quality Assurance program and personnel will be able to satisfy any quality concerns you or your customers may have. Furthermore, we have established a Performance Team to handle written customer evaluations of our overall performance. This team is ready to respond to customer quality and service issues.

Every employee strives to provide you with the best all-around value. Our Conduct Code and personal convictions drive our commitment to excellence. We guarantee that you will be completely satisfied with the quality of our product or we'll issue a Return Goods Authorization form for a full refund. Our goal is to make it easy to do business with us.

At Pressure Connections, ISO 9000 is more than just a certificate. It is a quality system applied to our daily practices enabling us to continually improve our processes.

We are an ISO 9000 (9001:2008*) registered firm. We will provide you with the documentation needed to satisfy your quality system requirements. At your request, we will provide a Corrective Action Report and Evaluation (C.A.R.E). We also have Initial Sample Inspection, In-Process and Final Inspection Reports.



* ISO 9001:2015 Pending Summer 2018

Product Lines

Hose & Fittings



Steel Adapters



Brass Fittings



OD Couplings



316 Stainless



Live Swivels



Push-To-Connects
& DOT Fittings



Metric & BSP



Valves



Pneumatics



GagePorts & Test Points



Custom Kits



Cylinders





We are a certified ISO 9001:2008* Registered firm. Our Quality Assurance program is able to provide high quality fittings and service according to ISO 9000 principles. All of the documentation needed to satisfy your quality system requirements is on hand. At your request we will provide a Corrective Action Report and Evaluation (C.A.R.E.). We also have Initial Sample Inspection and Final Inspection Reports.

* ISO 9001:2015 Pending Summer 2018



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