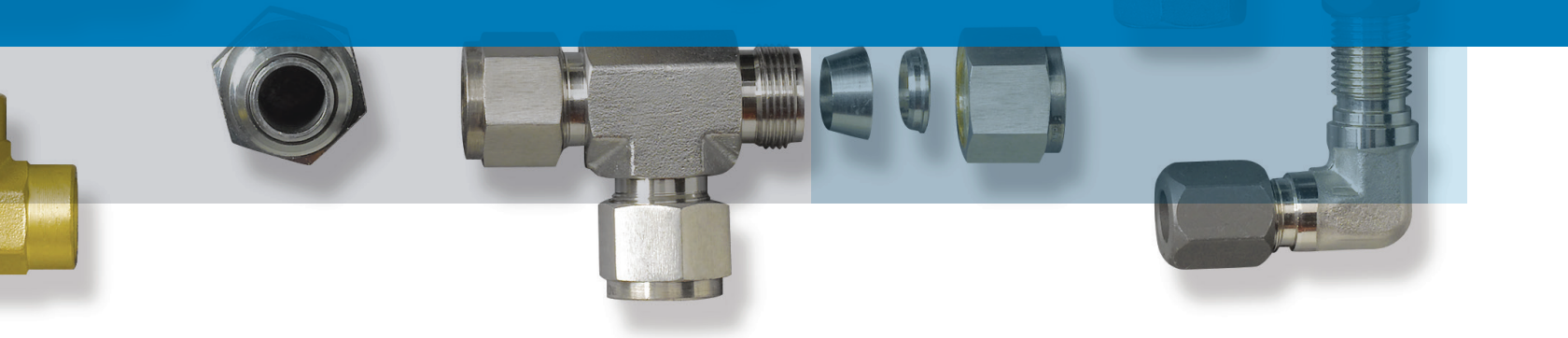




QUICK REFERENCE PRODUCT GUIDE

HYDRAULIC AND PNEUMATIC FITTINGS AND ADAPTERS



QUICK GUIDE INDEX

- 1** PARTS NOMENCLATURE / GLOSSARY OF DESCRIPTIONS
- 2-3** O-RING FACE SEAL FITTINGS
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- 15** TEST POINTS
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THREAD CHARTS • JIC - SAE • METRIC/INTERNATIONAL

DASH SIZE	2	3	4	5	6	7	8	10	12	14	16	20	24	32	40	48
Tube O.D.	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	2	2 1/2	3
Hose I.D.	1/8	3/16	1/4	5/16	3/8		1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	2	2 1/2	3
JIC 37-Flare Thread	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18		3/4-16	7/8-14	1 1/8-12	1 3/16-12	1 5/8-12	1 7/8-12	1 7/8-12	2 1/2-12	3-12	3 1/2-12
SAE O-Ring Thread	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18		3/4-16	7/8-14	1 1/8-12	1 3/16-12	1 5/8-12	1 7/8-12	1 7/8-12	2 1/2-12		
NPTF Pipe Thread	1/8-27		1/4-18		3/8-18		1/2-14		3/4-14		1-11 1/2	1 1/4-11 1/2	1 1/2-11 1/2	2-11 1/2	2 1/2-8	3-8
NPSM Swivel Thread	1/8-27		1/4-18		3/8-18		1/2-14		3/4-14		1-11 1/2	1 1/4-11 1/2	1 1/2-11 1/2	2-11 1/2		
Face Seal Thread			9/16-18		11/16-16		13/16-16	1-14	1 3/8-12	1 5/8-12	1 7/8-12	1 7/8-12	2-12	2 1/2-12		
Code 61 Flange Head O.D.							1.19		1.50		1.75	2.00	2.38	2.81	3.31	4.00
Code 62 Flange Head O.D.							1.25		1.62		1.88	2.12	2.50	3.12		
British Thread BSPP/BSPT	1/8-28		1/4-19		3/8-19		1/2-14		3/4-14		1-11	1 1/4-11	1 1/2-11			
Brake Thread			7/16-24		17/32-24		11/16-20	13/16-18	1-18							
SAE 45-Flare Thread	5/16-24	3/8-24	7/16-20	1/2-20	5/8-18	11/16-24	3/4-16	7/8-14	1 1/8-14							
Inverted Flare Thread	5/16-28	3/8-24	7/16-24	1/2-20	5/8-18	11/16-18	3/4-18	7/8-18	1 1/8-16							
Compression Thread	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18		3/4-16	7/8-14	1 1/8-12	1 3/16-12	1 5/8-12	1 7/8-12	1 7/8-12	2 1/2-12		
METRIC THREAD	10	12	14	16	18	20	22	24	26	27	30	33	36	42	48	
	M 10x1.0	M 12x1.5	M 14x1.5	M 16x1.5	M 18x1.5	M 20x1.5	M 22x1.5	M 24x1.5	M 26x1.5	M 27x2.0	M 30x2.0	M 33x2.0	M 36x2.0	M 42x2.0	M 48x2.0	

PARTS NOMENCLATURE

Brennan Industries, Inc.'s hydraulic tube fitting and adapter part numbers are constructed from symbols that identify the series, size, material and type of product. When ordering part numbers, begin by listing the series followed by the size and the material suffix. Sizes are measured in sixteenths of an inch (example: 4/16 or 4). The standard product is produced in steel and requires no material suffix. If ordering stainless steel products, add the suffix SS, and if you are ordering brass products, add the suffix B. Metric Bite Type Fittings are called out by tube size (in millimeters) i.e. 20mm Tube (S20), while Metric Port Fittings are called out by Thread O.D. and Thread Pitch (in millimeters) i.e. 30x2.0 or 30x1.5. BSPP fittings, while different from U.S. threads are still measured fractionally and are therefore called out by sixteenths of an inch.

2501-08-08-SS

This is a 2501 Series with a 1/2" male JIC tube and a 1/2" male pipe thread. The part number also indicates that the product is made of stainless steel.

2501-12-08-FG

This is a 2501 Series with a 3/4" male JIC tube and a 1/2" male pipe thread. The part number also indicates that the product was produced as a forged one-piece construction, steel adapter.

2501-04-04-B

This is a 2501 Series with a 1/4" male JIC tube and a 1/4" male pipe thread. The part number also indicates that the product is made of brass.

GLOSSARY OF DESCRIPTIONS

AORB: Adjustable O-ring Boss (NWO)

B: Brass

BHLN: Bulk Head Lock Nut

BSPP: British Standard Pipe Parallel (G Thread)

BSPPS: British Standard Pipe Parallel Swivel

BSPT: British Standard Pipe Taper (R Thread)

BT: Bite Type

BT: Bored Through Connector in Double Ferrule Series

BTS: Bite Type Swivel

BULN: Back-up Lock Nut (NWO)

BW: Butt Weld

C: (before number) Bite Type

C: (after number) Cap

COR: Captive O-Ring (Style DIN 3852, Form E)

C HEX: Width Across the Wrench

D: Aluminum

DKO: 24° Sealing Cone (Female Swivel) with O-Ring

E: Extra Light (Metric Fittings)

F: (before number) Flare-O

FBSPP: Female British Standard Pipe Parallel

FBSPT: Female British Standard Pipe Tapered

FBSPPS: Female British Standard Pipe Parallel Swivel

FFS: Female Face Seal

FFSS: Female Face Seal Swivel

FG: Forged Flats of the Hex

FIF: Female Inverted Flare

FJ: Female J.I.C.

FJIS: Female J.I.S.

FJS: Female J.I.C. Swivel

FK: Female Komatsu

FMS: Female Metric Swivel

FO: Flare-O

FORB: Female O-ring Boss

FP: Female Pipe

FPS: Female Pipe Swivel

FS: Face Seal

FSAES: Female SAE Swivel, 45° Seat

H: Hollow Hex O-ring Plug

HB: Hose Barb

HP: Hollow Hex Pipe Plug

I.D.: Inside Dimension

JIC: Joint Industrial Council, 37° Flare

JIS: Japanese Industrial Standard, 30° Flare

L: Light (7005-04-L06-12)

L: Long (6400-L-20-20-O)

LGTH: Length

LH: Large Hex

LL: Extra Long Drop

LLL: Extra Extra Long

LLLL: Extra Extra Extra Long

MAORB: Male Adjustable O-ring Boss (NWO)

MBT: Metric Bite Type

MBSPP: Male British Standard Pipe Parallel

MBSPPADJ: Male British Standard Pipe Parallel Adjustable

MBSPPAORB: Male British Standard Pipe Parallel Adjustable O-ring Boss

MBSPT: Male British Standard Pipe Tapered

MFS: Male Face Seal

MIFS: Male Inverted Flare Swivel

MJ: Male J.I.C.

MJIS: Male J.I.S.

MKOM: Male Komatsu

M.M.: Millimeters

MM: Male Metric

MMADJ: Male Metric Adjustable

MMAORB: Male Metric Adjustable O-ring Boss use with ISO 6149

MMORR: Male Metric O-Ring and Retaining Ring

MORB: Male O-ring Boss

MP: Male Pipe

MS: Metric Swivel

N: Used as prefix for Instrumentation fittings series (N2404-04-04-SS)

N: Extended Length (5404-N-02x0.750)

N: Locknut for NWO Assembly (0306-N-03)

NBR: Assembled with Nut and Bite Ring

NPSM: American (formerly National) Pipe Straight Mechanical

NPTF: American (formerly National) Pipe Taper Fuel

NWO: Nut Washer O-ring (MAORB)

O: O-Ring

O.D.: Outside Dimension

ORB: O-Ring Boss

PC DOT: SAE DOT Push to Connect Fittings for Vehicle Applications

PCNY: Push to Connect Nylon Fittings

PCNB: Push to Connect Nickel-Plated Brass Fittings

PL: Push Lock

PLATE MAX: Recommended Maximum Plate Thickness After Assembling the Bulkhead with the 306 Locknut, 318 Nut & 319 Sleeve

P: Plug

S: Heavy (7005-04-S06-14)

S: Steel

SAE: Society of Automotive Engineering

SHP: Square Head Plug


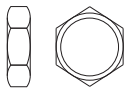




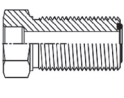
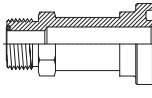
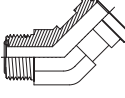
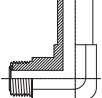
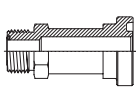
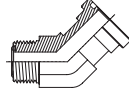
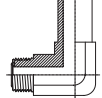
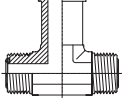
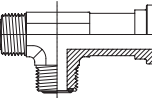
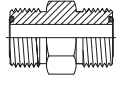
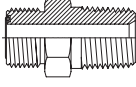

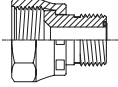

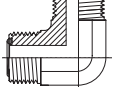
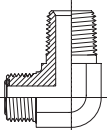
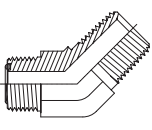
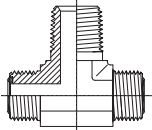
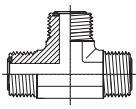
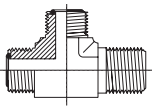
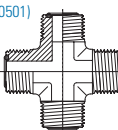
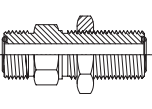
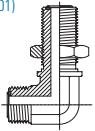
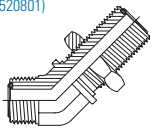
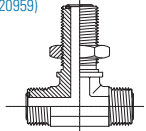
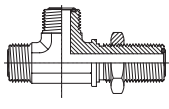
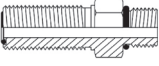
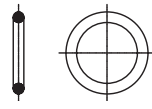
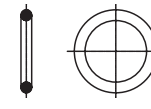

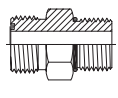
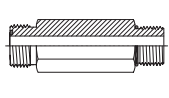
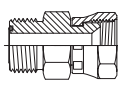
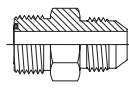

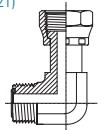
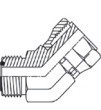
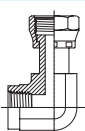
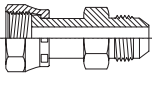
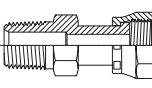
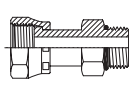
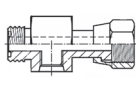
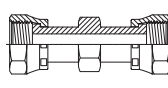
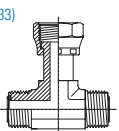
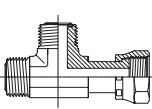
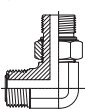
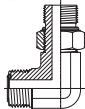
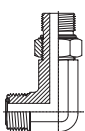
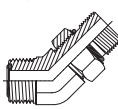

SS: Stainless Steel

TS: Tube Spud

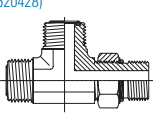
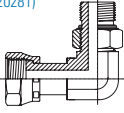
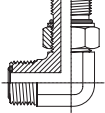
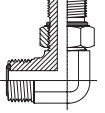
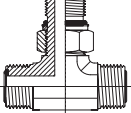
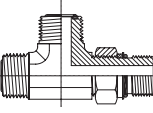
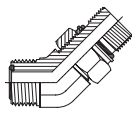
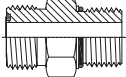
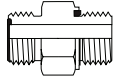
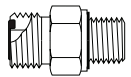
V: Versa Flare


Y FLATS: Width Across the Wrench Flats

O-RING FACE SEAL FITTINGS

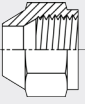
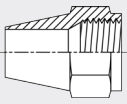
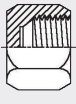
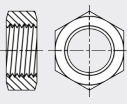
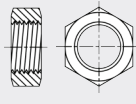
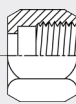
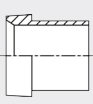

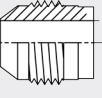


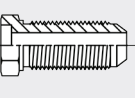






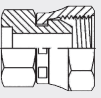



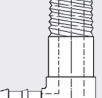
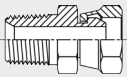
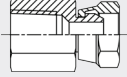
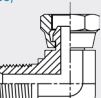
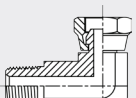

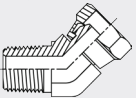
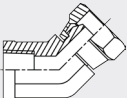
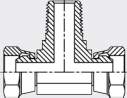
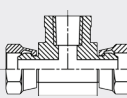
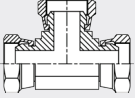
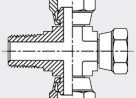

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(520118)  FS1700 MFS-Flange Straight Code 61	 FS1703 MFS-Flange 45° Code 61	 FS1704 MFS-Flange 90° Code 61	 FS1800 MFS-Flange Straight Code 62	 FS1803 MFS-Flange 45° Code 62	 FS1804 MFS-Flange 90° Code 62	 FS1805 MFS-MFS- Flange Tee Code 62
 FS1806 MFS-Flange Tee Code 62-MFS	(520101)  FS2403 MFS-MFS Straight	 FS2404 MFS-MP Straight	 FS2405 MFS-FP Straight	 FS2406 FFS-MFS Tube End Reducer	(520109)  FS2408 MFS Plug	(520201)  FS2500 MFS-MFS 90°
 FS2501 MFS-MP 90°	 FS2503 MFS-MP 45°	 FS2601 MFS-MFS-MP Tee	(520401)  FS2603 MFS-MFS-MFS Tee	 FS2605 MFS-MP-MFS Tee	(520501)  FS2650 MFS-MFS-MFS Cross	(520601)  FS2700* MFS-MFS- Bulkhead Union
(520701)  FS2701* MFS-MFS Bulkhead 90°	(520801)  FS2702* MFS-MFS Bulkhead 45°	(520959)  FS2703* MFS-MFS-MFS Bulkhead Tee	(520958)  FS2704* MFS-MFS-MFS Bulkhead Tee	 FS2764 FS Bulkhead- MORB Straight	(J15 Type CH)  FS4000 Buna O-Ring	 FS4001 Viton O-Ring
 FS6001 Silver Braze Ring	(520120)  FS6400-0 MFS-MORB Straight	(520122)  FS6400-L-0 MFS-MORB Straight Long	 FS6402 MFS-FJS Straight	 FS6403 MFS-MJ Straight	 FS6410 FORB-MFS	(520221)  FS6500 MFS-FFSS 90°
 FS6502 MFS-FFSS 45°	 FS6503 FP-FFSS 90°	(521520)  FS6504 FFSS-MJ Straight	 FS6505 MP-FFSS Straight	(521520)  FS6540 FFSS-MORB Straight	 FS6564 MFS FFSS-FORB Tee	 FS6565 FFSS-FFSS -Straight
(520433)  FS6600 MFS-MFS-FFSS Branch Tee	(520432)  FS6602 MFS-FFSS-MFS Run Tee	(520220)  FS6801-NWO MFS-MAORB 90°	(521520)  FS6801-L-NWO MFS- MAORB 90° Long	 FS6801-LL-NWO MFS- MAORB 90° X-Long	(520320)  FS6802-NWO MFS-MAORB 45°	(520429)  FS6803-NWO MFS-MFS-MAORB Tee

O-RING FACE SEAL FITTINGS CONTINUED

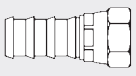

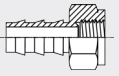


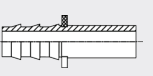
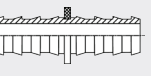

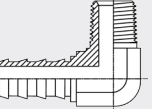
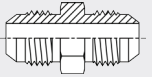
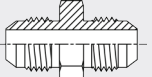
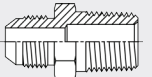
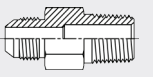
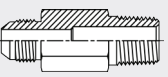
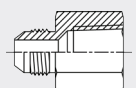
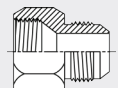
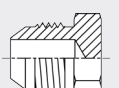
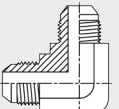
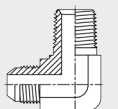
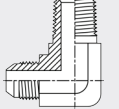
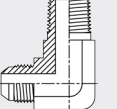
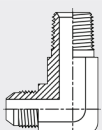
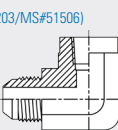
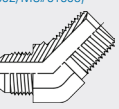
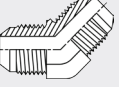
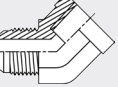
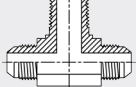
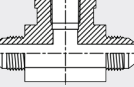
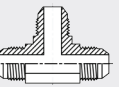
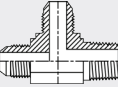
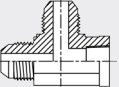
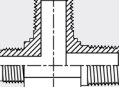
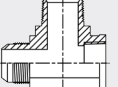
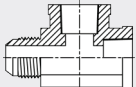
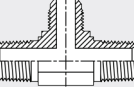
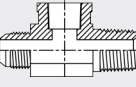
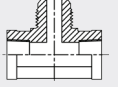
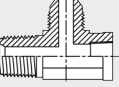
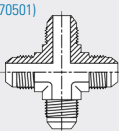
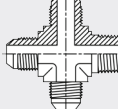
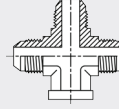
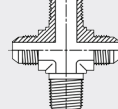
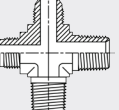
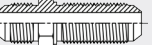

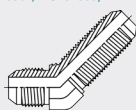
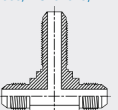
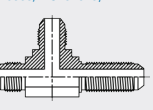
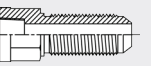
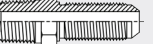
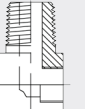





(520428)  FS6804-NWO MFS-MAORB-MFS Tee	(520281)  FS6809-NWO FFSS-MAORB 90°	 FS7202-NWO MFS-MBSPP 90°	 FS7205-NWO MMAORB 90° Elbow	 FS7210-NWO MFS-MFS-MMAORB Tee
 FS7215-NWO MFS-MMAORB-MFS Tee	 FS7300-NWO MFS-MMAORB 45° Elbow	 FS7640-0 MFS-MMORB ISO 614	 FS7701 MFS-MM STRAIGHT WITH CAPTIVE SEAL	 FS7709 MFS-MBSPP STRAIGHT WITH CAPTIVE SEAL

 * Insert "-LN" in part number to include lock nut when ordering bulkhead fittings.
Example: FS2700-LN-04-04.

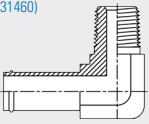
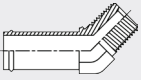
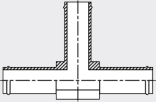
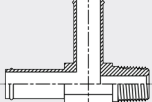
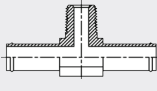
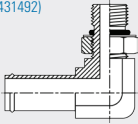
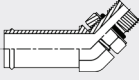
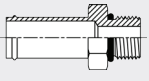
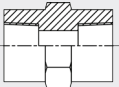
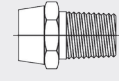
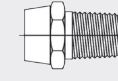
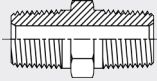
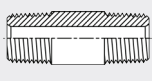
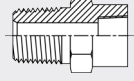
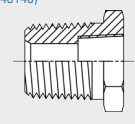

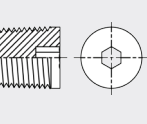
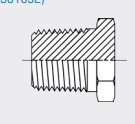
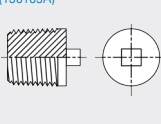
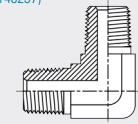
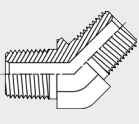
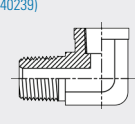
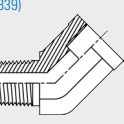
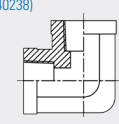
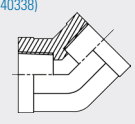
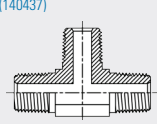
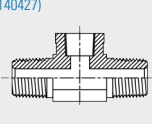
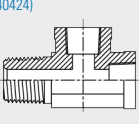
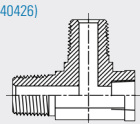
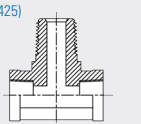
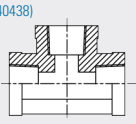
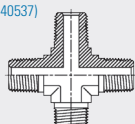
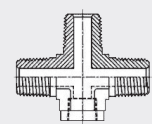
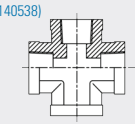
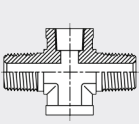
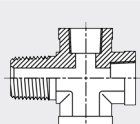
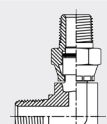
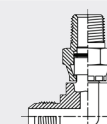
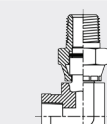

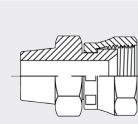
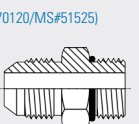
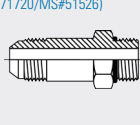
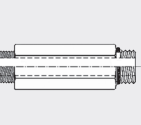
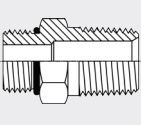
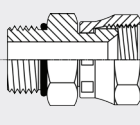
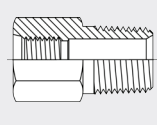
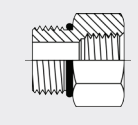
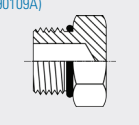
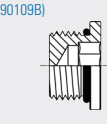
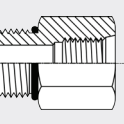
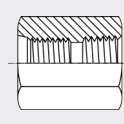
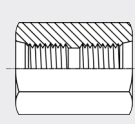
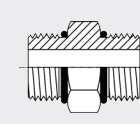
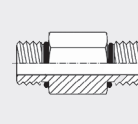
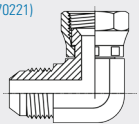
TUBE FITTINGS & ADAPTERS

 0302 Short Nut	(070111)  0304 Standard Nut	(070112)  0304-C JIC Cap Nut	(070118/MS #51860)  0306 BHLN	(070117)  0306-N BULN	(070110)  0318 JIC Tube Nut	(070115)  0319 JIC Tube Sleeve
 0403 Bore-MJ Straight	 0403-TS MJ Tube Spud	 0404 Bore-MP Straight	 0405 Bore-FP Straight	 0406 BORE-MJ Bulkhead Straight	 0500 Bore-MJ 90°	 0501 Bore-MP 90°
 0600 Bore-Bore-MJ Tee	 0601 Bore-Bore-MP Tee	 0602 Bore-Bore-FP	 0702 Bore-MJ-MJ Tee	 0800 Bore-FPS Straight	 0801 Bore-FPS 90°	 0900 Bore-FJS Straight
 0954 HB-MP 90° Elbow	 0954-L HB-MP 90° Elbow Long	(140130)  1404 MP-FPS Straight	(140131)  1405 FP-FPS Straight	(140230)  1501 MP-FPS 90°	 1501-L MP-FPS 90° Long	(140231)  1502 FP-FPS 90°
(140330)  1503 MP-FPS 45°	(140331)  1504 FP-FPS 45°	 1601 MP-FPS-FPS Tee	 1602 FP-FPS-FPS Tee	 1603 FPS-FPS-FPS Tee	 1604 MP-FPS-FPS-FPS Cross	(PL = Push Lock) Brass  2111 PL-FJS Straight

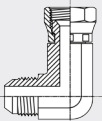
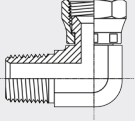
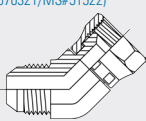
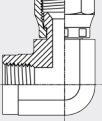
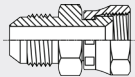
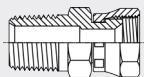
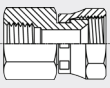
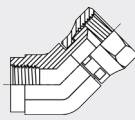
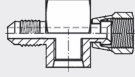
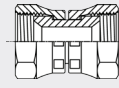
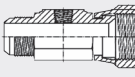
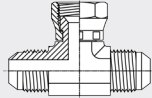
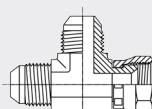
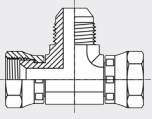
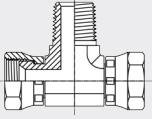
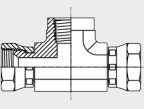
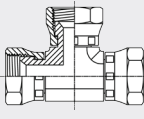
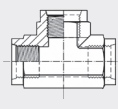
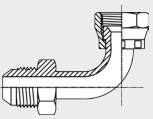
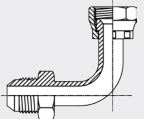

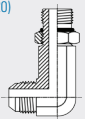
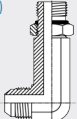
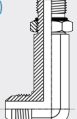
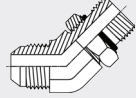
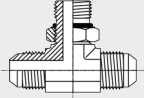
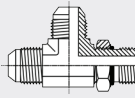
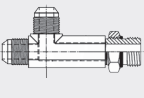
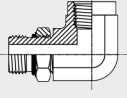
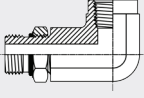
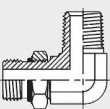
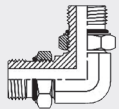
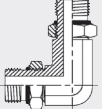
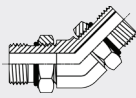
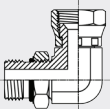
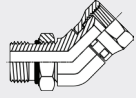
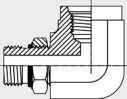
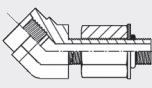
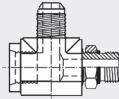
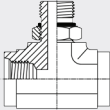

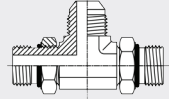
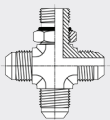
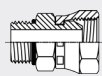
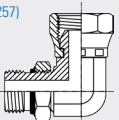
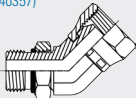
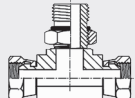


TUBE FITTINGS & ADAPTERS CONTINUED

 2112 PL-FSAES Straight	 2113 PL-MP Straight	 2114 PL-FIF Straight	 2115 PL-MIFS Straight	 2116 PL-MSAE Straight	 2117 PL-Stem Straight	 2118 PL-PL Straight
 2119 PL-FP Straight	 2120 PL-MP 90° Elbow	 2403 MJ-MJ Straight	 2403-LH MJ-MJ Straight Large Hex	 2404 MJ-MP Straight	 2404-L MJ-MP Straight Long	 2404-LL MJ-MP Straight X-Long
 2405 MJ-FP Straight	 2406 FJ-MJ Straight Reducer	 2408 MJ Plug	 2500 MJ-MJ 90°	 2501 MJ-MP 90°	 2501-L MJ-MP 90° Long	 2501-LL MJ-MP 90° X-Long
 2501-LLL MJ-MP 90° XX-Long	 2502 MJ-FP 90°	 2503 MJ-MP 45°	 2504 MJ-MJ 45°	 2505 MJ-FP 45°	 2601 MJ-MJ-MP Tee	 2602 MJ-MJ-FP Tee
 2603 MJ-MJ-MJ Tee	 2605 MJ-MP-MJ Tee	 2606 MJ-FP-MJ Tee	 2607 MJ-MP-MP Tee	 2608 MJ-FP-MP Tee	 2609 MJ-FP-FP Tee	 2610 MP-MP-MJ Tee
 2611 MJ-MP-FP Tee	 2612 FP-FP-MJ Tee	 2613 MP-FP-MJ Tee	 2650 MJ-MJ-MJ-MJ Cross	 2651 MJ-MP-MJ-MJ Cross	 2652 MJ-MJ-MJ-FP Cross	 2653 MJ-MJ-MP-MP Cross
 2654 MJ-MP-MJ-MP Cross	 2700 MJ-MJ Bulkhead Straight	 2701 MJ-MJ Bulkhead 90°	 2702 MJ-MJ Bulkhead 45°	 2703 MJ-MJ-MJ Bulkhead Branch Tee	 2704 MJ-MJ-MJ Bulkhead Run Tee	 2705 FP-MJ Bulkhead Straight
 2706 MP-MJ Bulkhead Straight	 3051 MP-FP Low Profile 90°	 3474-NWO MAORB-ORB Straight	 3474-LLL-NWO MAORB-MORB XLNG	 4000 Buna O-Ring	 4001 Viton O-Ring	 4404 HB-MP Straight

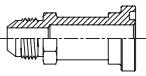
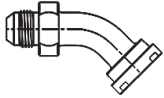
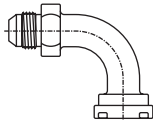
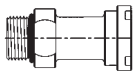
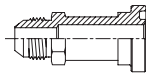
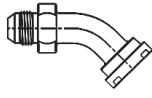
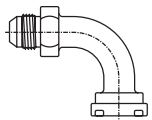
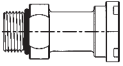
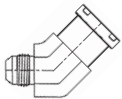
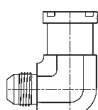

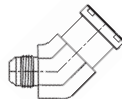
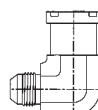

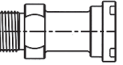
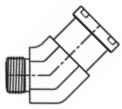
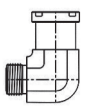
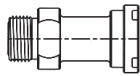
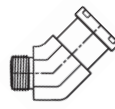
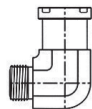






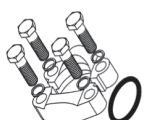
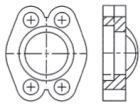
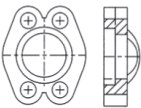
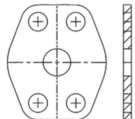
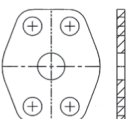






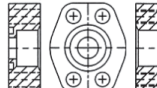
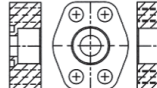
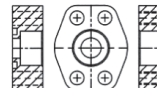
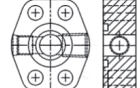
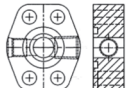
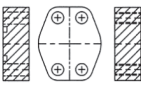
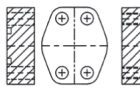
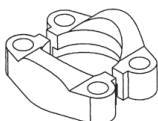
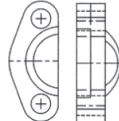
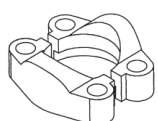
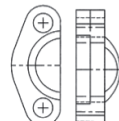
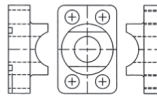
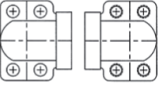
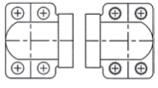
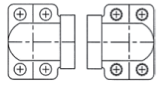
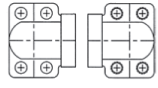
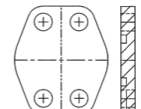
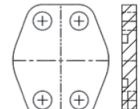

TUBE FITTINGS & ADAPTERS CONTINUED

(431460)  4501 HB-MP 90°	(430360)  4503 HB-MP 45°	 4504 HB-HB-HB Tee	 4505 HB-MP-HB Tee	 4506 HB-HB-MP Tee	(431492)  4601-NWO HB-MAORB 90°	(430392)  4603-NWO HB-MAORB 45°
(430192)  4604-O HB-MORB Straight	(140138)  5000 FP-FP Straight	 5304 MP-BW Weld-On Fitting 304 Stainless	 5316 MP-BW Weld-On Fitting 316 Stainless	(140137)  5404 MP-MP Hex Nipple	 5404-N MP-MP Straight Nipple Long	(140139)  5405 MP-FP Straight Expander
(140140)  5406 MP-FP Reducer Bushing	 5406-C Pipe Cap	 5406-HP Hollow Hex Pipe Plug	(130109E)  5406-P External Hex Pipe Plug	(130109A)  5406-SHP Square Head Pipe Plug	(140237)  5500 MP-MP 90° Elbow	 5501 MP-MP 45°
(140239)  5502 MP-FP 90° Street Elbow	(140339)  5503 MP-FP 45° Street Elbow	(140238)  5504 FP-FP 90° Elbow	(140338)  5505 FP-FP 45° Elbow	(140437)  5600 MP-MP-MP Tee	(140427)  5601 MP-MP-FP Tee	(140424)  5602 MP-FP-FP Street Tee
(140426)  5603 MP-FP-MP Tee	(140425)  5604 FP-FP-MP Branch Tee	(140438)  5605 FP-FP-FP Tee	(140537)  5650 MP-MP-MP-MP Cross	 5651 MP-MP-MP-FP Cross	(140538)  5652 FP-FP-FP-FP Cross	 5653 MP-MP-FP-FP Cross
 5655 MP-FP-FP-FP Cross	 5700 MP-MPS 90°	 5701 MJ-MPS 90°	 5702 FP-MPS 90°	 6000 Back-Up Washer	 6316 FJS-Weld Straight	(070120/MS#51525)  6400-O MJ-MORB Straight
(071720/MS#51526)  6400-L-O MJ-MORB Straight Long	 6400-LL-O MJ-MB-XX Long Hex	 6401-O MORB-MP Straight	 6402-O MORB-FJS Straight	 6404 FORB-MP Straight	 6405-O MORB-FP Straight	(090109A)  6408-O MORB External Hex Plug
(090109B)  6408-H-O MORB Hollow Hex Plug	 6410-O MORB-FORB Straight Reducer	 6420 FORB-FP Straight	 6425 FORB-FORB Straight	 6464-O MORB-MORB Straight	 6464-L-O MORB-MORB Long Straight	(070221)  6500 MJ-FJS 90°

TUBE FITTINGS & ADAPTERS CONTINUED

 6500-L MJ-FJS 90° Long	 6501 MP-FJS 90°	(070321/MS#51522)  6502 MJ-FJS 45°	 6503 FP-FJS 90°	 6504 MJ-FJS Straight	 6505 MP-FJS Straight	
 6506 FP-FJS Straight	 6507 FP-FJS 45°	 6564 Test Point MJ-FJS Straight w/04 FORB In HEX	 6565 FJS-FJS Straight	 6574 Test Point MJ-FJS Straight w/04 FP In HEX	(070433/MS#51524)  6600 MJ-MJ-FJS Tee	
(070432/MS#51524)  6602 MJ-FJS-MJ Tee	 6603 FJS-FJS-MJ Tee	 6604 FJS-FJS-MP Tee	 6605 FJS-FJS-FP Tee	 6606 FJS-FJS-FJS Tee	 6660 FORB-FORB-FORB Tee	
 6701 MJ-FJS Swept 90°	 6701-L MJ-FJS Swept 90° Long	(070220/MS#51527)  6801-NWO MJ-MAORB 90°	(071520)  6801-L-NWO MJ-MAORB 90° Long	(071620)  6801-LL-NWO MJ-MAORB 90° X-Long	(072120)  6801-LLL-NWO MJ-MAORB 90° XX-Long	
(070320/MS#51528)  6802-NWO MJ-MAORB 45°	(070429/MS#51529)  6803-NWO MJ-MJ- MAORB Branch Tee	(07048/MS#51530)  6804-NWO MJ-MAORB-MJ Run Tee	 6804-L-NWO MJ- MAORB-MJ Long Tee	 6805-NWO MAORB-FP 90°	 6805-L-NWO MAORB-FP 90° Long	
 6806-NWO MAORB-MP 90°	 6807-NWO MAORB-MAORB 90°	 6807-LL-NWO MAORB- MAORB 90° X-Long	 6808-NWO MAORB-MAORB 45°	 6809-NWO MAORB-FJS 90°	 6810-NWO MAORB-FJS 45°	
 6815-NWO MAORB-FORB 90°	 6818-NWO FORB-MAORB 45°	 6820-NWO FORB-MAORB-MJ Tee	 6832-NWO FORB-FORB- MAORB Tee	 6835-NWO MAORB FORB-FORB Tee	 6840-NWO MAORB- MAORB-MJ Tee	
 6850-NWO MJ-MJ- MAORB-MJ Cross	(140157)  6900-O MORB-FPS Straight	(140257)  6901-NWO MAORB-FPS 90°	(140357)  6902-NWO MAORB-FPS 45°	 6911-NWO FPS-FPS-MAORB Tee	 V0318 JIC-Flareless Nut	 V0319 JIC-Flareless Sleeve

HYDRAULIC FLANGES / ACCESSORIES

 1700 MJ-Flange Straight Code 61	 1703 MJ-Flange 45° Code 61	 1704 MJ-Flange 90° Code 61	 1710 MB-Flange Straight Code 61	 1800 MJ-Flange Straight Code 62	 1803 MJ-Flange 45° Code 62	 1804 MJ-Flange 90° Code 62
 1810 MB-Flange Straight Code 62	 1703FG MJ-Flange 45° Code 61	 1704FG MJ-Flange 90° Code 61	 1724 Flange Plug Code 61	 1803FG MJ-Flange 45° Code 62	 1804FG MJ-Flange 90° Code 62	 1824 Flange Plug Code 62
 FS1700 MFS-Flange Straight Code 61	 FS1703FG MFS-Flange 45° Code 61	 FS1704FG MFS-Flange 90° Code 61	 FS1800 MFS-Flange Straight Code 62	 FS1803FG MFS-Flange 45° Code 62	 FS1804FG MFS-Flange 90° Code 62	 1900-61 Hex Head Mounting Kit
 1900-62 Hex Head Mounting Kit	 1900-M Hex Head Mounting Kit Metric	 1901 Split Flange Kit Code 61	 1901-M Split-Flange Kit Code 61 (Metric Bolt Holes)	 1902 Split Flange Kit Code 62	 1902-M Split-Flange Kit Code 62 (Metric Bolt Holes)	 1903/1904-61 Captive Flange
 1903/1904-62 Captive Flange	 1914-61 Connector Plate	 1914-62 Connector Plate	 1927/1928-61 NPTF Port Block	 1927/1928-62 NPTF Port Block	 1929/1930-61 SAE Port Block	 1929/1930-62 SAE Port Block
 1933/1934 Flat Socket Block - Pipe 500 psi	 1935/1936-61 Flat Socket Block - Pipe	 1935/1936-62 Flat Socket Block - Pipe	 1937/1938-61 Flat Socket Block - Tube	 1937/1938-62 Flat Socket Block - Tube	 1940-61 Gauge Port Spacer	 1940-62 Gauge Port Spacer
 1942/1943-61 Plug Block	 1942/1943-62 Plug Block	 1951-61 Split Flange	 1951-H Flange Half	 1952-62 Split Flange	 1952-H Flange Half	 1959-P Saddle Connector
 1965-61 SAE Elbow	 1965-62 SAE Elbow	 1967-61 NPTF Elbow	 1967-62 NPTF Elbow	 1979-61 Shipping Plate	 1979-62 Shipping Plate	 1990-61 Socket Head Mounting Kit

HYDRAULIC FLANGES / ACCESSORIES CONTINUED



1990-62
Socket Head
Mounting Kit



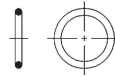
1990-M
Socket Head Mounting
Kit Metric



3300/3301-61 Tube
Braze Flange Head
Connector



3300/3301-62 Tube
Braze Flange Head
Connector



4005
Flange O-Ring

ADDITIONAL AVAILABLE PRODUCTS

1910, CODES 61 & 62 Tube Weld Socket Flange Connector
1911, CODES 61 & 62 Pipe Weld Socket Flange Connector
1912-0, CODE 61 SAE Flange Connector
1912-P, CODE 61 NPTF Flange Connector
1915, 1917 & 1919, CODES 61 & 62 Butt Weld Connector-
 Various Pipe Schedules

FLARELESS BITE TYPE FITTINGS

(080112/MS#51590)



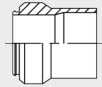
C0304-C
Cap Nut

(080110/MS#51823)

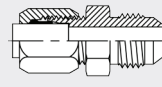


C0318
Nut

(080115A/MS#51825A)



C0319
Ferrule



C2402
BT-MJ Straight

(080101/MS#51814)



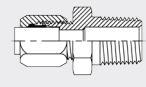
C2403
BT-BT Tube Union Straight

(080119/MS#51856)



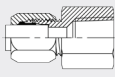
C2403-LH
BT-BT Tube Union Large
Hex Straight

(080102/MS#51819)



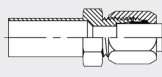
C2404
BT-MP Adapter Straight

(080103)



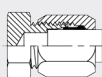
C2405
BT-FP Adapter Straight

(080109)



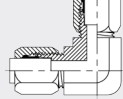
C2406
Tube-BT Reducer

(080109)



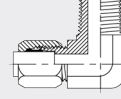
C2408
Plug

(080201/MS#51820)



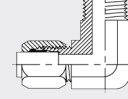
C2500
BT-BT Elbow 90°

(080202/MS#51815)



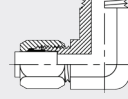
C2501
BT-MP Elbow 90°

(081502)



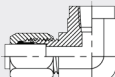
C2501-L
BT-MP Elbow 90° Long

(081602)



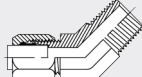
C2501-LL
BT-MP Elbow 90° X-Long

(080203/MS#51813)



C2502
BT-FP Elbow 90°

(080302/MS#51817)



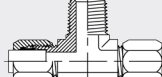
C2503
BT-MP Elbow 45°

(080425/MS#51815)



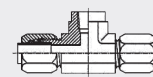
C2504
BT-BT Elbow 45°

(080427/MS#51821)



C2601
BT-BT-MP Tee

(080401/MS#51811)



C2602
BT-BT-FP Tee

(080401/MS#51811)



C2603
BT-BT Tee

(080424/MS#51824)



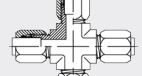
C2605
BT-MP Tee

(080426/MS#51822)



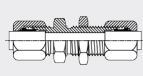
C2606
BT-FP Tee

(080501/MS#51894)



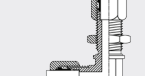
C2650
BT-BT-BT Tee

(080701/MS#51855)



C2700
BT-BT Bulkhead Union

(08081)



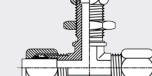
C2701
BT-BT Bulkhead Union 90°

(08081)



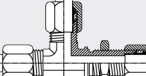
C2702
BT-BT Bulkhead Union 45°

(080959)



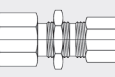
C2703 BT-BT
Bulkhead Branch Tee

(080958)



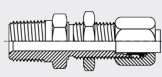
C2704
BT-BT Bulkhead Tee

(080120/MS#51843)



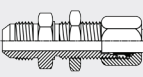
C2705
FP-BT Bulkhead

(080122)



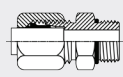
C2706
MP-BT Bulkhead

(080220/MS#51839)



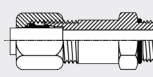
C2707
MJ-BT Bulkhead

(080320/MS#51842)



C6400-0
BT-MORB Straight

(080429/MS#51841)



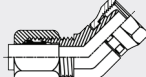
C6400-L-0
BT-MORB Long Straight

(080221/MS#51852)



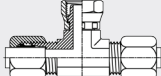
C6500
BT-BTS 90° Elbow

(080321)



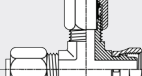
C6502
BT-BTS 45° Elbow

(080433/MS#51853)



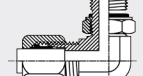
C6600
BT-BT Tee

(0808432/MS#51854)



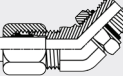
C6602
BT-BTS Tee

(080220/MS#51839)



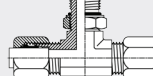
C6801-NWO
BT-MAORB 90°

(080320/MS#51842)



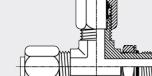
C6802-NWO
BT-MAORB 45°

(080429/MS#51841)



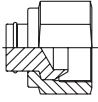
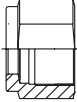


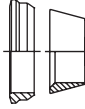
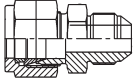
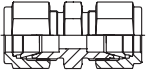
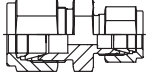
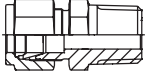
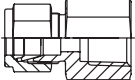
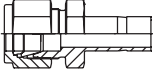

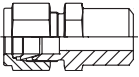

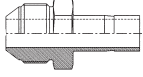
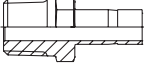
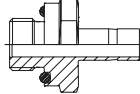
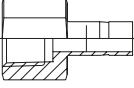
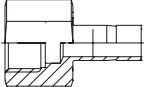

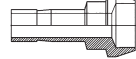
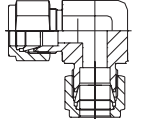
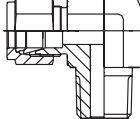
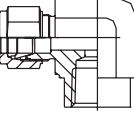
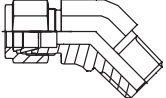
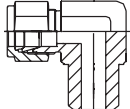
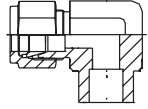
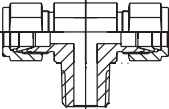
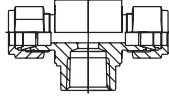
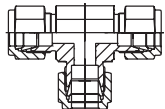
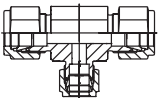
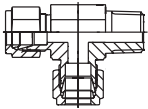
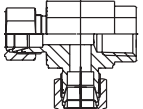

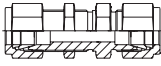
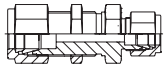
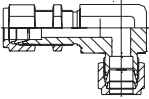
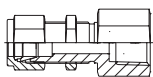
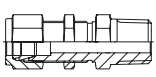
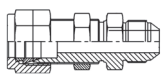
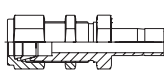
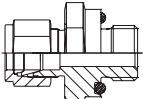
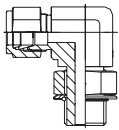
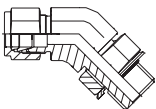
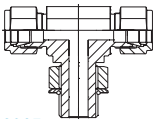
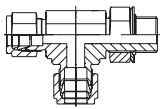
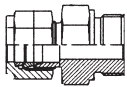

C6803-NWO
BT-BT-MAORB Tee

(080428/MS#51892)

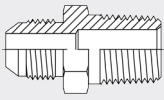


C6804-NWO
BT-MAORB Tee

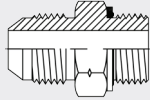
INSTRUMENTATION

 N0304 Plug	 N0318 Nut	 N0319-B Back Ferrule	 N0319-F Front Ferrule	 N0319-S Ferrule Set	 N2402 Male JIC Connector
 N2403 Union	 N2403 Reducing Union	 N2404 Male Connector*	 N2405 Female Connector	 N2406 Reducer	 N2408 Cap
 N2425 Butt Weld Male Connector	 N2426 Socket Weld Male Connector	 N2427 Male JIC Adapter	 N2428 Male Adapter	 N2429 O-Seal Male Adapter	 N2430 Female Adapter
 N2431 Female Gauge Adapter	 N2440 Port Connector	 N2440 Reducing Port Connector	 N2500 Union Elbow	 N2501 Male Elbow	 N2502 Female Elbow
 N2503 45° Male Elbow	 N2525 Butt Weld Male Elbow	 N2526 Socket Weld Male Elbow	 N2601 Male Branch Tee	 N2602 Female Branch Tee	 N2603 Union Tee
 N2603 Reducing Union Tee	 N2605 Male Run Tee	 N2606 Female Run Tee	 N2650 Cross	 N2700-LN Bulkhead Union	 N2700-LN Bulkhead Reducing Union
 N2701-LN Bulkhead Union Elbow	 N2705-LN Bulkhead Female Connector	 N2706-LN Bulkhead Male Connector	 N2707-LN Bulkhead Male JIC	 N2709-LN Bulkhead Reducer	 N6400 O Seal Male Connector
 N6801 90° Positionable Elbow	 N6802 45° Positionable Male Elbow	 N6803 Positionable Male Branch Tee	 N6804 Positionable Male Run Tee	 N7002 BSPP Male Connector	 *Bored Through Male Connectors for Thermocouples are available. Example: N2404-04-04-BT-SS.

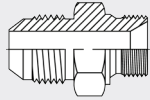
CONVERSION ADAPTERS



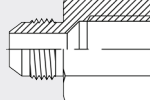
7000
MJ-MBSPT



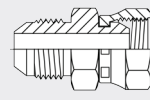
7001
MJ-MMORR



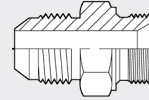
7002
MJ-MBSPP



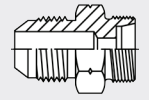
7003
MJ-FBSPP



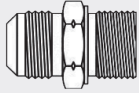
7004
MJ-FBSPPS



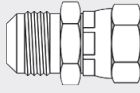
7005
MJ-MM Metric Port



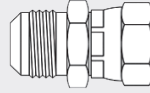
7005-L MJ-MM
Light Metric (Dual)



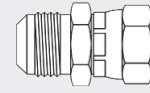
7005-S MJ-MM
Heavy Metric (Dual)



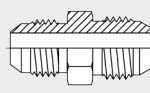
7007
MJ-FMS Metric



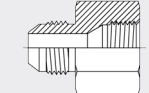
7007-L
M-JIC-MET-FEM-Light



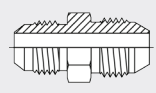
7007-S
M-JIC-MET-FEM-Heavy



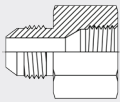
7008
MJ-MJIS Union



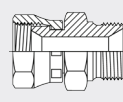
7008-F
MJ-FJIS*



7009
Komatsu MJ-MK Union



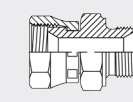
7009-F
Komatsu MJ-FK*



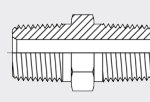
7022
FJS-MBSPP



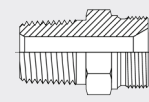
7023
FJS-FBSPPS



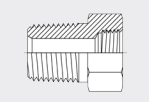
7025
FJS-MM Metric



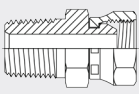
7030
MP-MBSPT Nipple



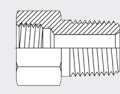
7032
MP-MBSPP



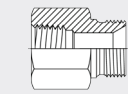
7033
MP-FBSPP



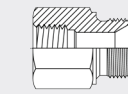
7034
MP-FBSPPS



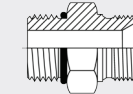
7040
FP-MBSPT



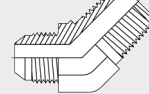
7042
FP-MBSPP



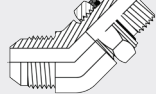
7045
FP-MM Metric



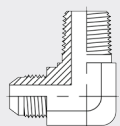
7062
MORB-MBSPP



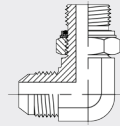
7100
MJ-MBSPT 45° Elbow



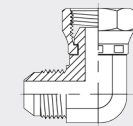
7102-NWO
MJ-MBSPPADJ 45°



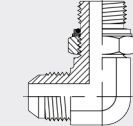
7200
MJ-MBSPT 90° Elbow



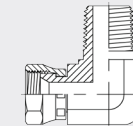
7202-NWO
MJ-MBSPPADJ 90°



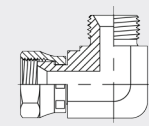
7204
MJ-MBSPPADJ 90°



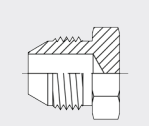
7205-NWO
MJ-MMADJ 90° Elbow



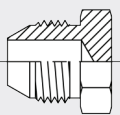
7220
FJS-MBSPT 90° Elbow



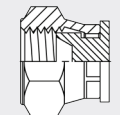
7222
FJS-MBSPP 90° Elbow



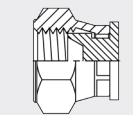
7588-P
MJIS Plug



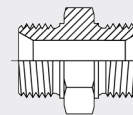
7599-P
Komatsu MK Plug



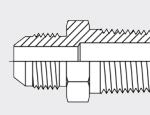
7688-C
FJIS Cap



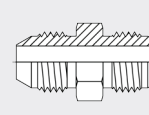
7699-C
Komatsu FK Cap



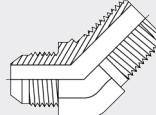
8055
Metric MM-MM Nipple



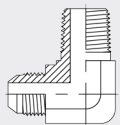
8080
MJIS-MBSPT



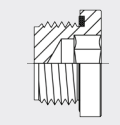
8088
MJIS-MJIS Union



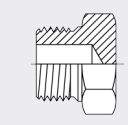
8180
MJIS-MBSPT 45° Elbow



8280
MJIS-MBSPT 90° Elbow



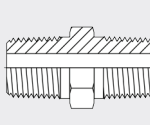
8555-H Metric MM Hollow
Hex Plug



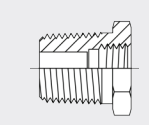
8555-P
Metric Plug



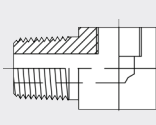
8800
Metric Bonded Seal



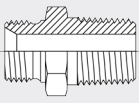
9000
MBSPT-MBSPT Nipple



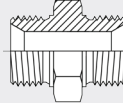
9001
MBSPT-FBSPT Bushing



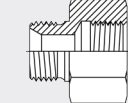
9002
MBSPT 90° Elbow



9020
MBSPP-MBSPT Straight



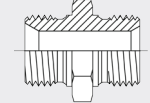
9022
MBSPP-MBSPP Nipple



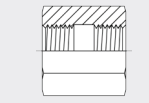
9023 MBSPP-FBSPP
w/60° Seat



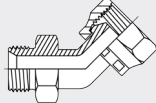
9024
MBSPP-FBSPPS



9025 Metric MBSPP-MM
Nipple

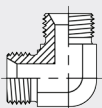
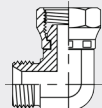
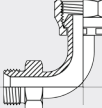
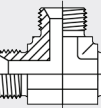
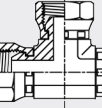




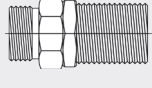

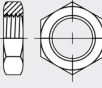


9033
FBSPP-FBSPP Coupling




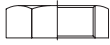

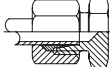







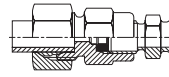

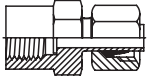
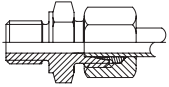
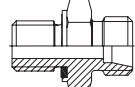
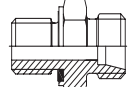
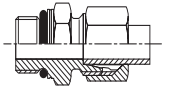
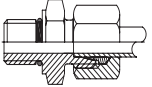


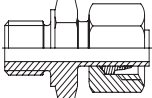
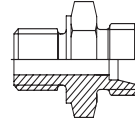
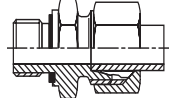
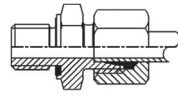
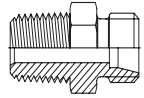
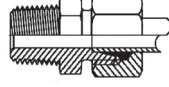
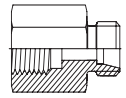
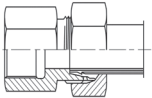
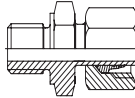
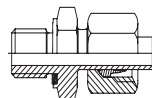
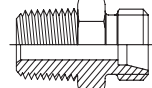
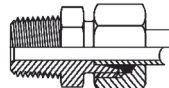
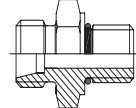
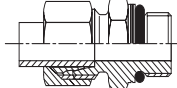
9124 MBSPP-FBSPPS
Swept 45°

CONVERSION ADAPTERS CONTINUED

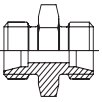
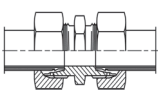
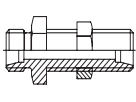
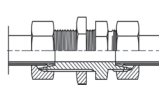
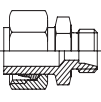
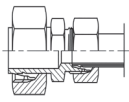
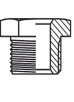
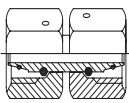
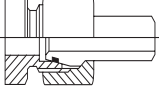
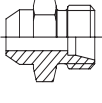
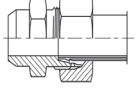
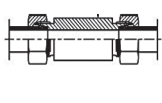
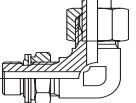
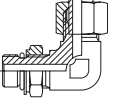
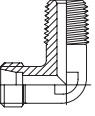
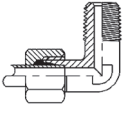
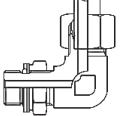
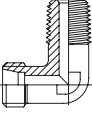
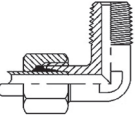
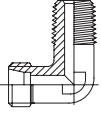
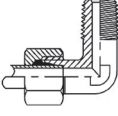
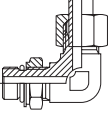
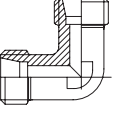
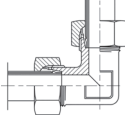
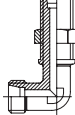
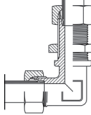
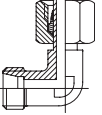
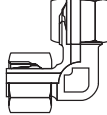
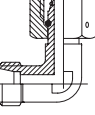
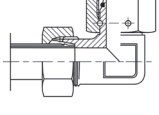
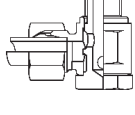
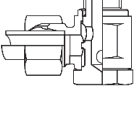
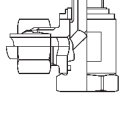
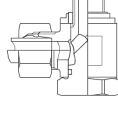
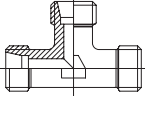

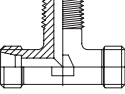
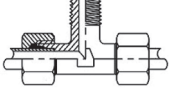
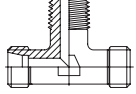
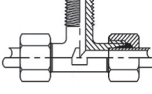
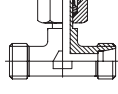

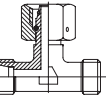
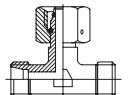

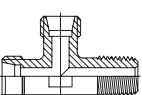

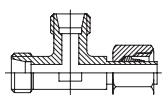

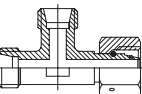

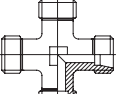
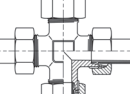

 9222 MBSPP 90°	 9224 MBSPP-FBSPPS 90°	 9224-L MBSPP-FBSPPS 90° Long	 9322 MBSPP-MBSPP-MBSPP	 9344 FBSPP-FBSPP-FBSPP Tee	 9500-P MBSPT Plug
 9522-H MBSPP Hollow Hex Plug	 9522-P MBSPP Hollow Hex Plug	 9644-C FBSPP Cap	 9722-LN MBSPP-MBSPP Bulkhead/LOCKNUT	 9900 British Bonded Seal	 9925 BSPP-Locknut

 *Swivel style available upon request. Also available 9621-NWO MBSPP60° - MBSPPAORR 90° Adj. Elbow.

METRIC BITE TYPE

 D8000 Reinforcing Sleeve	 D8002 Met. Bulkhead Lock Nut	 D8003 Blanking Cap-DKO	 D8004 Tube End Plug	 D8005 Single Bite Ring	 D8006 Double Bite Ring	 D8007 DiNova Bite Ring
 D8008 Tube Nut	 D8009 37°/24° Metric Flare Insert	 D8010 37° Metric Flare Sleeve	 D8011 37° Metric Flare Nut	 D8020 MPT-FBSPP (Rigid) Gauge Coupling Body Only	 D8020-NBR MBT-FBSPP (Rigid) Gauge Coupling	 D8021 FMS-FBSPP (Rigid) Gauge Coupling
 D8030-NBR MBT-MM Form B	 D8031-MBT-MMCOR Straight Body Only	 D8031-O-NBR MBT-MMCOR Straight	 D8032 MBT-MMISO 6149 Body Only	 D8032-O-NBR MBT-MMISO 6149	 D8033-NBR MBT-Met. Taper Strt.	 D8034-NBR MBT-F. Met. (Rigid)
 D8036-O FMS-MMCOR Straight	 D8040 MBT-MBSPP Form B	 D8041 MBT-MBSPPCOR Straight Body Only	 D8041-O-NBR MBT-MBSPPCOR Strt.	 D8043 MBT-MBSPT Straight Body Only	 D8043-NBR MBT-MBSPT Straight	 D8044 MBT-FBSPP (Rigid) Body Only
 D8044-NBR MBT-FBSPP (Rigid)	 D8045 MBT-MBSPP Form E Male Stud Standpipe	 D8046-O FMS-MBSPPCOR Strt.	 D8050 MBT-MP Straight Body Only	 D8050-NBR MBT-MP Straight	 D8051 MBT-MORB Straight Body Only	 D8051-O-NBR MBT-MORB Straight

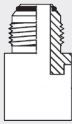
METRIC BITE TYPE CONTINUED

 D8060 MBT-MBT Straight Union Body Only	 D8060-NBR MBT-MBT Straight Union	 D8061-LN MBT-MBT Bulkhead Straight Body Only	 D8061-LN-NBR MBT-MBT Bulkhead Strt.	 D8062 FMS-MBT Straight Standpipe Reducer	 D8062-NBR FMS-MBT Straight Standpipe Reducer	 D8064 Met. Internal Coupling Nut
 D8067 F. SWV CPLG-DKO	 D8096 Straight Weld Nipple	 D8097 MBT Butt Weld Straight	 D8097-NBR MBT-Butt Weld Strt.	 D8098-NBR MBT-Butt Weld Bulkhead	 D8231-NWO-NBR MMISO 6149 90° Adj. Elbow	 D8232-NWO-NBR MMISO 6149 90° Adj. Elbow
 D8233 MBT-Metric Taper 90° Elbow Body Only	 D8233-NBR MBT-Met. Taper 90° Elbow	 D8241-NWO-NBR MBSPORR 90° Adj. Elbow	 D8243 MBT-MBSPT 90° Elbow Body Only	 D8243-NBR MBT-MBSPT 90° Elbow	 D8250 MBT-MP 90° Elbow Body Only	 D8250-NBR MBT-MP 90° Elbow
 D8251-NWO-NBR MAORB 90° Adj. Elbow	 D8260 MBT-MBT Equal Elbow Body Only	 D8260-NBR MBT-MBT Equal Elbow	 D8261 MBT-MBT Bulkhead 90° Body Only	 D8261-LN-NBR MBT-MBT Bulkhead 90°	 D8263 MBT-FMS 90° Adj. Elbow Body Only	 D8263-NBR MBT-FMS 90° Adj. Elbow
 D8269 MBT-FMS Adj. 90-DKO Body Only	 D8269-NBR MBT-FMS Adj. 90-DKO	 D8290-NBR Met. Para- llel Low Press. Banjo	 D8291-NBR BSPP Low Press Banjo Elbow	 D8292-NBR Met. Parallel High Press. Banjo Elbow	 D8293-NBR BSPP High Pressure Banjo Elbow	 D8360 MBT-MBT-MBT Equal Tee Body Only
 D8360-NBR MBT-MBT- MBT Equal Tee	 D8433 MBT-MBT-MK BR. Tee Body Only	 D8433-NBR MBT-MBT-MK BR. Tee	 D8443 MBT-MBT-MBSPT BR. Tee Body Only	 D8443-NBR MBT-MBT- MBSPT BR. Tee	 D8463 MBT-MBT-FMS Adj. Branch Tee Body Only	 D8463-NBR MBT-MBT- FMS Adj. Branch Tee
 D8469 MBT-MBT-FMS Adj. BR. Tee-DKO Body Only	 D8469-NBR MBT-MBT- FMS Adj. BR. Tee-DKO	 D8533-NBR MBT-MK- MBT Run Tee	 D8543 MBT-MBSPT-MBT Run Tee Body Only	 D8543-NBR MBT- MBSPT-MBT Run Tee	 D8563 MBT-FMS-MBT-Adj. Run Tee Body Only	 D8563-NBR MBT-FMS- MBT Adj. Run Tee
 D8569 MBT-FMS-MBT Adj. Run Tee Body Only	 D8569-NBR MBT-FMS- MBT Adj. Run Tee	 D8660 MBT Equal Cross Body Only	 D8660-NBR MBT Equal Cross	 Metric Bite Type Fittings are also available as body only by omitting the NBR suffix.		

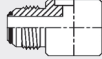
FLARE-O



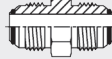
F2403
Bore-FO Straight



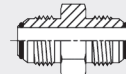
F2500
Bore-FO



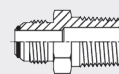
F2600
Bore-Bore-FO



F2403
FO-FO Straight



F2403-LH FO-FO
Straight Large Hex



F2404
FO-MP Straight



F2405
FO-FP Straight



F2406
FJ-FO Straight Reducer
Insert Only



F2406
FJ-FO Straight Reducer
Non-Swivel



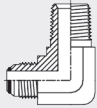
F2406
FJ-FO Straight Reducer
Nut and Insert



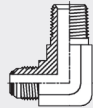
F2408
FO Plug



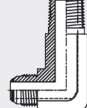
F2500
FO-FO 90°



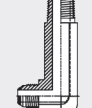
F2501
FO-MP 90°



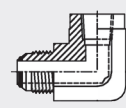
F2501-L
FO-MP 90° Long



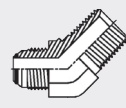
F2501-LL
FO-MP 90° X-Long



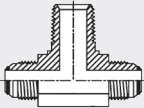
F2501-LLL
FO-MP 90° XX-Long



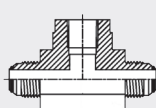
F2502
FO-FP 90°



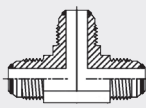
F2503
FO-MP 45°



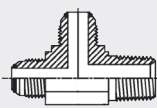
F2601
FO-FO-MP Tee



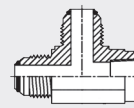
F2602
FO-FO-FP Tee



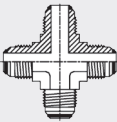
F2603
FO-FO-FO Tee



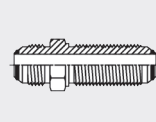
F2605
FO-MP-FO Tee



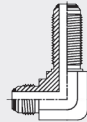
F2606
FO-FP-FO Tee



F2650
FO-FO-FO-FO Cross



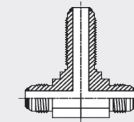
F2700
FO-FO Bulkhead Straight



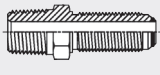
F2701
FO-FO Bulkhead 90°



F2702
FO-FO Bulkhead 45°



F2703
FO-FO-FO Bulkhead Tee



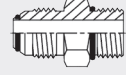
F2706 MP-FO
Bulkhead Straight



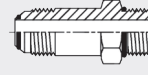
F4003
Flare-O Buna



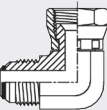
F4004
Flare-O Viton



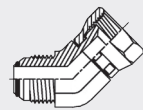
F6400-0
FO-MORB Straight



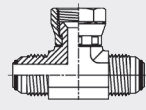
F6400-L-0
FO-MORB Straight



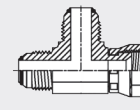
F6500
FO-FJS 90°



F6502
FO-FJS 45°



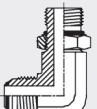
F6600
FO-FO-FJS Tee



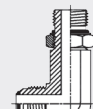
F6802
FO-FJS-FO Tee



F6801-NWO
FO-MAORB 90°



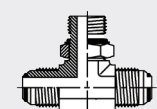
F6801-L-NWO
FO-MAORB 90° Long



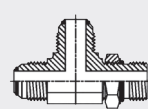
F6801-LL-NWO
FO-MAORB 90° X-Long



F6802-NWO
FO-MAORB 45°



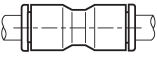
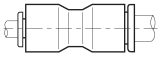
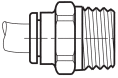
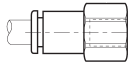
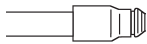
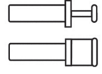

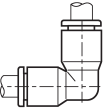
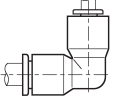
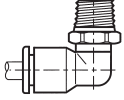
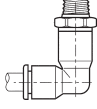
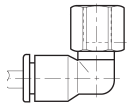
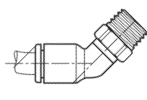
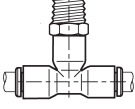
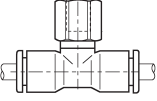
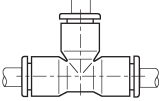
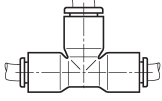
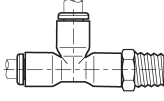
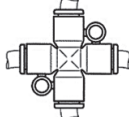
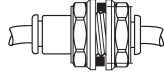
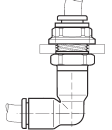
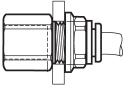
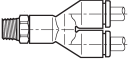
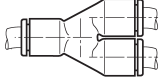
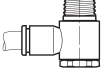

F6803-NWO
FO-FO-MAORB Tee



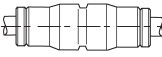
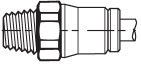
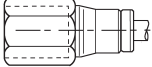
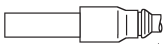

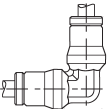
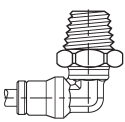
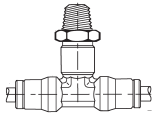
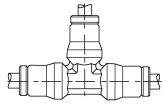
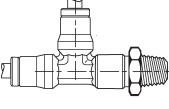
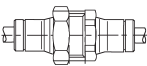
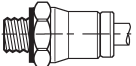
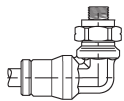
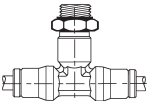
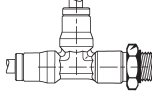

F6804-NWO
FO-MAORB-FO Tee

PUSH-TO-CONNECT

NYLON PUSH-TO-CONNECT FITTINGS FOR INDUSTRIAL APPLICATIONS - PCNY SERIES (METRIC - PCNYM)


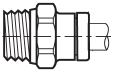
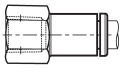
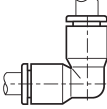
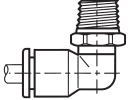
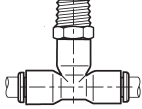
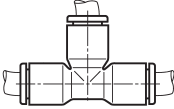
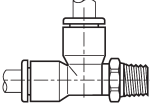
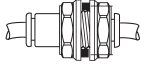
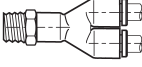
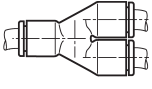
 2403 Union - Fractional Inch Tube To Tube	 2403 Unequal Union - Fractional Inch Tube To Tube	 2404 Male Connector - Fractional Inch Tube To Male NPT	 2405 Straight Female Connector - Fractional Inch Tube To NPT	 2406 Plug-in Reducer	 2408 Plug	 2428 Standpipe
 2500 Union Elbow - Fractional Inch Tube To Tube	 2500 Unequal Union Elbow - Fractional Inch Tube To Tube	 2501 Male Elbow - Fractional Inch Tube To Male NPT	 2501-L Extended Male Elbow - Fractional Inch Tube To Male NPT	 2502 Female Elbow - Fractional Inch Tube To NPT	 2503 45° Male Elbow - Fractional Inch Tube To Male NPT or UNF	 2601 Male Branch Tee - Fractional Inch Tube To Male NPT or UNF To Tube
 2602 Female Branch Tee - Fractional Inch Tube To Male NPT	 2603 Tee - Fractional Inch Tube To Tube To Tube	 2603 Unequal Tee - Fractional Inch Tube To Tube To Tube	 2605 Male Run Tee - Fractional Inch Tube To Tube To Male NPT or UNF	 2650 Cross	 2700 Bulkhead Union - Tube To Tube	 2701 Equal Bulkhead Elbow - Tube To Tube
 2705 Female Bulkhead Connector - Tube To NPT	 2801 "Y" Male - Fractional Inch Tube To NPT	 2803 "Y" - Fractional Inch Tube To Tube	 2805 Banjo - Fractional Inch Tube To NPT	 Brennan Tubing PC1094, 1/8", 1/4" and 3/8" sizes are stock in black or white in 100 ft. rolls.		

NICKEL-PLATED BRASS PUSH-TO-CONNECT FITTINGS FOR INDUSTRIAL APPLICATIONS - PCNB SERIES (METRIC - PCNBM)


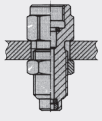
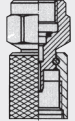





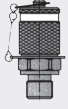



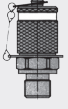
 2403 Straight Union - Fractional Inch Tube To Tube	 2404 Male Connector - Fractional Inch Tube To NPT	 2405 Female Connector - Fractional Inch Tube To NPT	 2406 Plug-in Reducer	 2428 Standpipe
 2500 Union Elbow - Fractional Inch Tube To Tube	 2501 Male Elbow - Fractional Inch Tube To NPT	 2601 Male Branch Tee - Fractional Inch Tube To NPT To Tube	 2603 Tee - Fractional Inch Tube To Tube	 2605 Male Run Tee - Fractional Inch Tube To Tube To NPT
 2700 Bulkhead Connector - Fractional Inch Tube To Tube	 6400 Male Connector - Fractional Inch Tube To UNF	 6801 Male Elbow - Fractional Inch Tube To UNF	 6803 Male Branch Tee - Fractional Inch Tube To UNF To Tube	 6804 Male Run Tee - Fractional Inch Tube To Tube To UNF
 Brennan Tubing PC1094, 1/8", 1/4" and 3/8" sizes are stock in black or white in 100 ft. rolls.				

PUSH-TO-CONNECT CONTINUED

SAE AND DOT PUSH-TO-CONNECT FITTINGS FOR VEHICLE APPLICATIONS - PCDT SERIES

 <p>2403 Union - Fractional Inch Tube To Tube</p>	 <p>2404 Male Connector - Fractional Inch Tube To Male NPT</p>	 <p>2405 Straight Female Connector - Fractional Inch Tube To NPT</p>	 <p>2500 Union Elbow - Fractional Inch Tube To Tube</p>
 <p>2501 Male Elbow - Fractional Inch Tube To Male NPT</p>	 <p>2601 Male Branch Tee - Fractional Inch Tube To Male NPT</p>	 <p>2603 Union Tee - Fractional Inch Tube To Tube To Tube</p>	 <p>2605 Male Run Tee - Fractional Inch Tube To Male NPT</p>
 <p>2700 Bulkhead Union - Fractional Inch</p>	 <p>2801 "Y" Male Connector - Fractional Inch Tube To NPT</p>	 <p>2803 Union "Y" - Fractional Inch Tube To Tube</p>	<p>▲ Brennan Tubing PC1094, 1/8", 1/4" and 3/8" sizes are stock in black or white in 100 ft. rolls.</p>

TEST POINTS

 <p>TEST HOSE DTH Series</p>	 <p>GAUGE ADAPTER DGA Series</p>	 <p>DIRECT GAUGE ADAPTER DDG Series</p>	 <p>PRESSURE GAUGE DG Series</p>
 <p>SINGLE GAUGE KIT DGK-S</p>	 <p>DOUBLE GAUGE KIT DGK-D</p>	 <p>TRIPLE GAUGE KIT DGK-T</p>	 <p>DP-2404 TPS-MNPT</p>
 <p>DP-6400 TPS-MORB</p>	 <p>DP-6504 TPS-FJS</p>	 <p>DP-7002 TPS-MBSPT</p>	 <p>DP-7002-PO TPS-MMETRIC</p>
 <p>DP-7005 TPS-MBSPP</p>	<p>▲ Other test Points available: TPT-362 Series MJ-FJS-FNPTF TPT-369 Series MJ-FJS-FORB</p>		

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If you have a design challenge that involves hydraulic fittings, Brennan will help. Chances are, we've already developed a fitting for a similar requirement. The solution could be as easy as modifying an existing fitting to meet your specific requirements. Or, we can start from scratch to develop a solution.

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In the early years, only about 300 different connectors were being manufactured. Today, with *over 40,000 line items in inventory*, Brennan offers the most complete line of hydraulic tube fittings, adapters and related products available anywhere in the world.

Whether you need steel, stainless steel or brass standards or specials, *we have the fittings you need* on the shelf and in sizes ranging from 1/16" to 3". If you need something custom, our Engineered Solutions team can make it for you quickly.

In addition to our 6 well stocked, *full service domestic USA distribution centers*, Brennan is also a recognized quality global manufacturer of hydraulic fittings and adapters with international distribution centers in Canada, China and the UK.

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Brennan's international reputation for excellence has contributed to our rapid growth. Despite this growth we remain a family owned business making sure our *customers still receive personal attention* by our experienced sales and customer service representatives.

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