



PANAM[®]
ENGINEERING
BEYOND
LIMITS

JIC Fittings

Maximum Working Pressure upto
20000 psi (1378 bar)



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Introduction

PANAM[®] has emerged as renowned name in Global market for 'Instrumentation Fittings & Valves'. Since its inception in 1998 to present day, **PANAM**[®] has added new product every year and has broadened its product portfolio and its clientele base by supplying to potential customers worldwide. Key core values like Timely Delivery, Quality Consistency, Product Improvisation and after sales service has been instrumental in the phase wise evolution of company. Continuous improvement is the key to success, Customer feedback are taken with positive attitude and product are constantly groomed to a new quality and performance level to cope up with the competition. Our products are known for providing high-quality, high-reliability, low-cost options for the oil and gas industry. Over the year, the company has evolved from a product based company to a complete system solution provider. Over the coming years the entity of the company will attain state of the art operational efficiency for maintaining a competitive edge, with the advent increase in the utilization of its products in oil, gas and power sector.

PANAM[®] is having state of the art manufacturing facility span over an area of 65,000 sqft with a fleet of CNC machines, VMC machines, Semi-Automatic Lathe machines, High pressure test bench with SCADA control, Configuration centre for transmitters and dedicated R&D Team.

PANAM[®] is manufacturing a wide range of JIC Fittings and Instrumentation products in different sizes and materials like Stainless Steel & Other Alloys (e.g. Monel, Hastalloy, Duplex, Super Duplex etc. as per the customer's requirements).

PANAM[®] offers its products in various end connections like NPT, BSPP, BSPT, ISO Tapered, ISO Parallel, Tube & Pipe Socket Welded Ends, etc.

PANAM[®] meets and even exceeds the requirements of ASME and MSS Series Standards. All materials are supplied in compliance with ASTM Specifications and verified by NABL approved third party laboratories.

PANAM[®] JIC Fittings are 100% factory tested and are in compliance with NACE MR0175 & NACE MR0103 with Heat Code Traceability. Working pressure upto 20000 psi (1378 bar) and also available in higher ratings on request.

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19

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SAE 070221

20

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20

Adjustable Male Elbows
37° JIC x ISO Parallel



21

Adjustable Male Elbows
37° JIC x SAE/MS



SAE 070220

21

45° Male Elbows
37° JIC) x NPT



22

SAE 070302

Female Elbows
37° JIC x NPT



SAE 070203

22

Union Elbows
37° JIC



SAE 070201

23

Swivel Union Elbows
37° JIC Swivel x 37° JIC Swivel



23

Male Branch Tees
37° JIC x NPT



SAE 070425

24

Adjustable Male Branch Tees
37° JIC x ISO Parallel



25

Adjustable Male Branch Tees
37° JIC x SAE/MS



SAE 070429

25

Male Run Tees
37° JIC x NPT x 37° JIC



SAE 070424

26

Female Branch Tees
37° JIC x 37° JIC x NPT



SAE 070427

27

Female Run Tees
37° JIC x NPT x 37° JIC



SAE 070426

27

Union Tees
37° JIC



SAE 070401

28

Swivel Union Tees
37° JIC Swivel



28

Swivel Run Tees
37° JIC x 37° JIC x 37° JIC



SAE 070432

29

Swivel Branch Tees
37° JIC x 37° JIC x 37° JIC Swivel



SAE 070433

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Union Cross
37° JIC



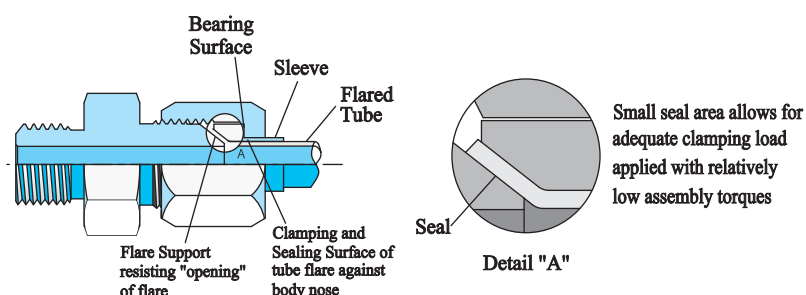
SAE 070501

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Other Products

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Design & Construction SAE-J514



The SAE 37° Flared Tube Fittings design is simple. It uses an easily produced flare at the tube end to seal and hold fluid under high pressure. The fitting consists of three pieces: the body, sleeve and nut. The tube end is flared at a 37° angle (74° included angle) and held between the fitting nose (seat) and the sleeve (support) with the nut as shown in Fig. providing a very effective (single) seal between the fitting nose and the tube flare.

The design of SAE 37° Flared Tube Fittings is very efficient. The fitting incorporates the smallest seal area of all fitting types. This seal area, as seen in Fig. is only slightly larger than the fluid flow area. The small seal area results in a compact design, low assembly torque, and a relatively high-pressure capability.

The primary difference between a two-piece flare fitting & the three piece design is the flare support sleeve. The support sleeve provides several key functions:

1. It provides a clamping surface for the tube flare.
2. It provides a bearing surface for the tube nut. The sleeve isolates the tube from the nut, minimizing the tube twist during a assembly, a common problem of 2-piece flare fitting designs.
3. It provides support to the tube flare. The tapered fitting nose tends to wedge open the tube flare during assembly. The sleeve helps to resist this expansion, thus eliminating the possibility of tube flare and sleeve jamming inside the nut. This eliminates any waste of applied torque and allows for easy disassembly.
4. It makes the fitting adaptable to metric tube merely by changing its inside diameter.

TUBE HANDLING

Scratches on the tube might cause leaks. It is, therefore, important to handle the tube carefully to reduce the risk of leaks. **1.** Tubes must not be dragged on the floor. **2.** Tubes must not be dragged out of a tubing rack, especially in cases of large OD tubes.

TUBE CUTTING

Two different methods can be used to cut tubes:- **1.** Tube cutter **2.** Hacksaw

TUBE CUTTER

To attain a leakfree connection, the tubing must be cut squarely. A good quality tube cutter with the appropriate blade for the tubing material is recommended. Do not try to reduce the time of cutting by taking deep cuts with each turn of the cutter. The end of the tube must be deburred to avoid damage to the fitting and to ensure that the tube reaches the bottom of the fitting.

HACKSAW CUTTING

In order to cut the tube with a hacksaw and to attain square ends, the tube must be cut with guide blocks. This method of cutting requires deburring of the tube ends.

WARNING

Do not hold the tube in a vise in the place where it will be inserted into the fitting. The vise will leave a mark on the tube that may cause leaks and might cause ovality.

Assembly Instructions



Before tightening the nut



After tightening the nut

1. Cut the tube to the proper length.
2. Slide the nut and sleeve onto the tube.
3. With a special flaring tool, form the flare to 37° dimension according to SAE J533.
4. Screw the nut onto the body until finger tight.
5. From this position, tighten the nut with a wrench 1/4" turn in order to make a leakproof metal-to-metal connection

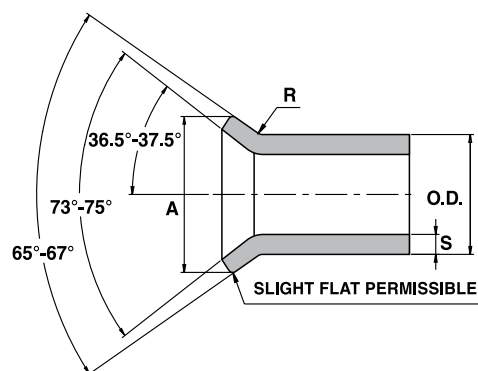
TUBING DATA FOR 37° FLARE THREE PIECE TUBE ASSEMBLY

In order to ensure maximum fitting reliability and performance, please take great care when selecting the tube for each application. Tubing should be a fully annealed, seamless and drawn, suitable for bending and flaring, according to standard ASTM-269, AISI 316 or 304.

QUALITY

Lengths of finished tubing should be reasonably straight and have smooth ends, free from burrs. Tubing should be free from scale and injurious defects, and it should have a workman like finish. Surface imperfections such as handling marks, die marks, or shallow pits will not be considered injurious defects provided the imperfections are within the tolerances specified for diameter and wall thickness. The removal of such imperfections is not required. (Quality SAE J524).

Flaring Operation



Flaring according to SAE J533

Nominal Tube O.D.	A Single Flare Diameter				R		S	
	inch		mm		inch	mm	inch	mm
	Max	Min	Max	Min	± 0.02	± 0.5		
1/8	0.20	0.18	5.08	4.58	0.03	0.8	0.035	0.88
3/16	0.28	0.26	7.11	6.61	0.03	0.8	0.035	0.88
1/4	0.36	0.34	9.14	8.64	0.03	0.8	0.065	1.65
5/16	0.43	0.40	10.92	10.16	0.03	0.8	0.065	1.65
3/8	0.49	0.46	12.44	11.69	0.04	1.0	0.065	1.65
1/2	0.66	0.63	16.76	16.01	0.06	1.5	0.083	2.10
5/8	0.79	0.76	20.06	19.31	0.06	1.5	0.095	2.41
3/4	0.95	0.92	24.13	23.37	0.08	2.0	0.109	2.76
7/8	1.07	1.04	27.17	26.42	0.08	2.0	0.109	2.76
1	1.20	1.17	30.48	29.72	0.09	2.3	0.120	3.04
1 1/8	1.38	1.35	35.05	34.92	0.09	2.3	0.120	3.04
1 1/4	1.51	1.48	38.35	37.60	0.09	2.3	0.120	3.04
1 1/2	1.73	1.70	43.94	43.18	0.11	2.8	0.120	3.04

DEBURRING PRIOR TO FLARING:- To ensure satisfactory flares are produced, it may be necessary to deburr the tube end prior to flaring. It is usually necessary to break the inside corner smoothly before single flaring, and some non-ferrous tubing to eliminate is normally required to eliminate the cut off burr which might otherwise create leakage paths across a substantial portion of the flare. It is acceptable to smoothly break the outside corner prior to single flaring, or both outside and inside corners prior to double flaring, on any tube material to minimize splitting.

Allowable Working Pressure Ratings (Capable of 4" to 1" Min Burst)

Nominal SAE Dash Size	Nominal Tube O.D.	37 ° Flare Straight Thread	Nominal Pipe Size	SAE Straight Threads Union & Bulkhead (psi)	Fittings with Pipe Threads (psi)
2	1/8	5/16-24	1/8	5000	5000
3	3/16	3/8-24	1/8	5000	5000
4	1/4	7/16-20	1/8	5000	5000
5	5/16	1/2-20	1/8	5000	5000
6	3/8	9/16-18	1/4	5000	5000
8	1/2	3/4-16	3/8	4500	4000
10	5/8	7/8-14	1/2	3500	3000
12	3/4	1 1/16-12	3/4	3500	3000
14	7/8	1 3/16-12	3/4	3000	2500
16	1	1 5/16-12	1	3000	2000
20	1 1/4	1 5/8-12	1 1/4	2500	1150
24	1 1/2	1 7/8-12	1 1/2	2000	1000
32	2	2 1/2-12	2	1500	1000

Working Pressure given are for low carbon steel material only, Specifications are subject to change with out prior notice.

Features

- Size Ranges from 1/16" to 2"
- To avoid galling threads are hardened with smooth surface which helps to extend the fitting service life.
- For smooth flow path elbows are designed with radius junction.
- All Fittings are marked with Size, Material and Heat code for easy source tracing.
- All threads are capped for protection and properly packaged
- Straight fittings are manufactured from bar stock & forged fittings are manufactured from forgings
- All pipe threads meet the requirement if ASME/ANSI B1.20.1 for tapered pipe threads (NPT)
- Working pressure meets the requirements of ANSI/ASME B31.3 at ambient temperature.



Ordering Information

PANAM

P - MC - 4J - 2J - SS

Fitting Type		P1 Size		P1 Type		P2, P3, and P4	Material	
MC	Male Connectors	1	1/16	N	NPT Threads	Specify as per P Type and P Size	SS	316 SS
FC	Female Connectors	2	1/8	R	ISO Tapered Threads		B	Brass
U	Unions	3	3/16	G	ISO Parallel Threads		CS	Carbon Steel
UL	Large Hex Unions	4	1/4	M	Metric Threads		Materials like Hastloy, Monel, Duplex 2205, Duplex 2507 etc are available upon request	
SU	Swivel Unions	5	5/16-24	S	SAE/MS Straight Threads			
RA	Reducing Adaptors	6	3/8 or 3/8-24	J	37° Flare			
S	Sleeves	7	7/16-20	JSWL	37° Swivel Type			
BU	Bulkhead Unions	8	1/2 or M8 x 1	A	Adjustable Type			
BLN	Bulkhead Lock Nuts	9	9/16-18					
N	Nuts	10	5/8 or M10 x 1					
TC	Tube Caps	12	3/4 or 3/4-16 or M12 x 1.5					
TCA	Tube Cap Assembly	14	7/8-14 or M14 x 1.5					
TP	Tube Plugs	16	1 or M16 x 1.5					
ME	Male Elbows	17	1 1/16-12					
AME	Adj. Male Elbows	18	M18 x 1.5					
LME	45° Male Elbows	19	1 3/16-12					
FE	Female Elbows	20	1 1/4 or M20 x 1.5					
UE	Union Elbows	21	1 5/16-12					
MBT	Male Branch Tees	22	M22 x 1.5					
AMBT	Adj. Male Branch Tees	24	1 1/2 or M24 x 1.5					
MRT	Male Run Tees	26	1 5/8-12					
FBT	Female Branch Tees	27	M27 x 2					
FRT	Female Run Tees	30	1 7/8-12 or M30 x 2					
UT	Union Tees	32	2					
SRT	Swivel Run Tees							
SBT	Swivel Branch Tees							
UC	Union Cross							

Installation Instructions

To ensure leak proof tight seal, **PANAM** recommends use of pipe thread sealant on all NPT threads. The most effective sealing method is the use of Teflon tape, Tape should be used on male NPT tapered threads. Clean both male and female tapered threads, wrap tape in direction of male tapered, cut off excess tape.

Materials & Thread Relevant Standards

Material

Material	Bar Stock	Forging
316 SS	ASTM A276, ASME SA479, EN 1.4401	ASTM A182, ASME SA182, EN 1.4401
304 SS	ASTM A276, ASME SA479, EN 1.4301	ASTM A182, ASME SA182, EN 1.4301
Brass	ASME B16/ASTM B453	ASTM B283
Carbon Steel	ASTM A108	ASTM A105

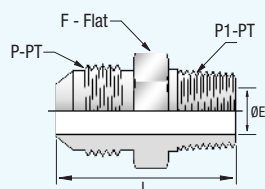
Thread Relevant Standards

NPT Threads	ASME B1.20.1, SAE AS71051
ISO Tapered Threads	ISO 7-1, BS 21, JIS B0203
ISO Parallel Threads	ISO 228, JIS B0202
SAE/MS	ASME B1.1, SAE J475
Metric	ISO 261

37° Flared Tube Fittings

Male Connectors - 37° JIC x NPT

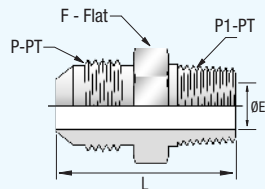
SAE 070102



Part No	Tube OD (P-PT)			(P1-PT) NPT	Dimensions		
	inch	mm	JIC / UNF		L	E	F
PMC-2J-2N-SS	1/8	3	5/16-24	1/8	28.2	1.6	11.1
PMC-3J-2N-SS	3/16	4	3/8-24	1/8	29.0	3.2	11.1
PMC-4J-2N-SS	1/4	6	7/16-20	1/8	31.0	4.4	12.7
PMC-4J-4N-SS	1/4	6	7/16-20	1/4	36.0	4.4	14.3
PMC-4J-8N-SS	1/4	6	7/16-20	1/2	42.7	4.4	22.2
PMC-5J-2N-SS	5/16	8	1/2-20	1/8	31.0	4.8	14.3
PMC-5J-4N-SS	5/16	8	1/2-20	1/4	36.1	6.0	14.3
PMC-6J-2N-SS	3/8	10	9/16-18	1/8	31.8	4.8	15.9
PMC-6J-4N-SS	3/8	10	9/16-18	1/4	36.3	7.1	15.9
PMC-6J-6N-SS	3/8	10	9/16-18	3/8	36.3	7.5	19.1
PMC-6J-8N-SS	3/8	10	9/16-18	1/2	42.5	7.5	22.2
PMC-8J-4N-SS	1/2	12	3/4-16	1/4	38.9	7.1	20.6
PMC-8J-6N-SS	1/2	12	3/4-16	3/8	38.9	9.9	20.6
PMC-8J-8N-SS	1/2	12	3/4-16	1/2	45.5	9.9	22.2
PMC-8J-12N-SS	1/2	12	3/4-16	3/4	47.0	9.9	28.6
PMC-10J-6N-SS	5/8	16	7/8-14	3/8	43.1	9.9	23.8
PMC-10J-8N-SS	5/8	16	7/8-14	1/2	48.0	12.3	23.8
PMC-10J-12N-SS	5/8	16	7/8-14	3/4	49.5	12.3	28.6
PMC-12J-12N-SS	3/4	18	1 1/16-12	3/4	52.3	15.5	28.6
PMC-12J-16N-SS	3/4	18	1 1/16-12	1	57.1	15.5	34.9
PMC-14J-12N-SS	7/8	22	1 3/16-12	3/4	53.1	18.3	31.8
PMC-16J-12N-SS	1	25	1 5/16-12	3/4	53.5	18.3	34.9
PMC-16J-16N-SS	1	25	1 5/16-12	1	58.4	21.5	34.9
PMC-20J-16N-SS	1 1/4	32	1 5/8-12	1	61.5	23.8	42.9
PMC-20J-20N-SS	1 1/4	32	1 5/8-12	1 1/4	62.2	27.5	42.9
PMC-24J-20N-SS	1 1/2	38	1 7/8-12	1 1/4	68.1	31.7	50.8
PMC-24J-24N-SS	1 1/2	38	1 7/8-12	1 1/2	68.1	33.0	50.8
PMC-32J-32N-SS	2	50	2 1/2-12	2	79.0	45.0	66.7

37° Flared Tube Fittings

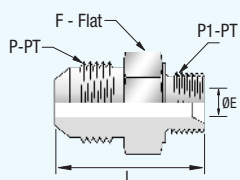
Male Connectors - 37° JIC x ISO Tapered



Part No	Tube OD (P-PT)			(P1-PT) BSPT	Dimensions		
	inch	mm	JIC / UNF		L	E	F
PMC-2J-2R-SS	1/8	3	5/16-24	1/8	28.2	1.6	11.1
PMC-3J-2R-SS	3/16	4	3/8-24	1/8	29.0	3.2	11.1
PMC-4J-2R-SS	1/4	6	7/16-20	1/8	31.0	4.4	12.7
PMC-4J-4R-SS	1/4	6	7/16-20	1/4	36.0	4.4	14.3
PMC-4J-8R-SS	1/4	6	7/16-20	1/2	42.7	4.4	22.2
PMC-5J-2R-SS	5/16	8	1/2-20	1/8	31.0	4.8	14.3
PMC-5J-4R-SS	5/16	8	1/2-20	1/4	36.1	6.0	14.3
PMC-6J-2R-SS	3/8	10	9/16-18	1/8	31.8	4.8	15.9
PMC-6J-4R-SS	3/8	10	9/16-18	1/4	36.3	7.1	15.9
PMC-6J-6R-SS	3/8	10	9/16-18	3/8	36.3	7.5	19.1
PMC-6J-8R-SS	3/8	10	9/16-18	1/2	42.5	7.5	22.2
PMC-8J-4R-SS	1/2	12	3/4-16	1/4	38.9	7.1	20.6
PMC-8J-6R-SS	1/2	12	3/4-16	3/8	38.9	9.9	20.6
PMC-8J-8R-SS	1/2	12	3/4-16	1/2	45.5	9.9	22.2
PMC-8J-12R-SS	1/2	12	3/4-16	3/4	47.0	9.9	28.6
PMC-10J-6R-SS	5/8	16	7/8-14	3/8	43.1	9.9	23.8
PMC-10J-8R-SS	5/8	16	7/8-14	1/2	48.0	12.3	23.8
PMC-10J-12R-SS	5/8	16	7/8-14	3/4	49.5	12.3	28.6
PMC-12J-12R-SS	3/4	18	1 1/16-12	3/4	52.3	15.5	28.6
PMC-12J-16R-SS	3/4	18	1 1/16-12	1	57.1	15.5	34.9
PMC-14J-12R-SS	7/8	22	1 3/16-12	3/4	53.1	18.3	31.8
PMC-16J-12R-SS	1	25	1 5/16-12	3/4	53.5	18.3	34.9
PMC-16J-16R-SS	1	25	1 5/16-12	1	58.4	21.5	34.9
PMC-20J-16R-SS	1 1/4	32	1 5/8-12	1	61.5	23.8	42.9
PMC-20J-20R-SS	1 1/4	32	1 5/8-12	1 1/4	62.2	27.5	42.9
PMC-24J-20R-SS	1 1/2	38	1 7/8-12	1 1/4	68.1	31.7	50.8
PMC-24J-24R-SS	1 1/2	38	1 7/8-12	1 1/2	68.1	33.0	50.8
PMC-32J-32R-SS	2	50	2 1/2-12	2	79.0	45.0	66.7

37° Flared Tube Fittings

Male Connectors - 37° JIC x ISO Parallel

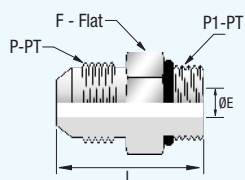


Part No	Tube OD (P-PT)			(P1-PT) BSPP	Dimensions		
	inch	mm	JIC / UNF		L	E	F
PMC-4J-2G-SS	1/4	6	7/16-20	1/8	28.7	1.5	17.0
PMC-4J-4G-SS	1/4	6	7/16-20	1/4	32.0	4.3	19.0
PMC-4J-6G-SS	1/4	6	7/16-20	3/8	33.0	4.3	22.0
PMC-4J-8G-SS	1/4	6	7/16-20	1/2	38.6	4.3	30.0
PMC-5J-4G-SS	5/16	8	1/2-20	1/4	32.0	4.3	19.0
PMC-5J-6G-SS	5/16	8	1/2-20	3/8	33.0	5.8	22.0
PMC-6J-4G-SS	3/8	10	9/16-18	1/4	32.0	4.3	19.0
PMC-6J-6G-SS	3/8	10	9/16-18	3/8	33.0	7.4	22.0
PMC-6J-8G-SS	3/8	10	9/16-18	1/2	38.6	7.4	30.0
PMC-8J-4G-SS	1/2	12	3/4-16	1/4	35.0	4.3	19.0
PMC-8J-6G-SS	1/2	12	3/4-16	3/8	36.0	7.4	22.0
PMC-8J-8G-SS	1/2	12	3/4-16	1/2	41.4	9.7	30.0
PMC-8J-12G-SS	1/2	12	3/4-16	3/4	42.4	9.7	36.0
PMC-10J-6G-SS	5/8	16	7/8-14	3/8	39.1	7.4	24.0
PMC-10J-8G-SS	5/8	16	7/8-14	1/2	43.9	9.7	30.0
PMC-12J-12G-SS	3/4	18	1 1/16-12	1/2	46.7	9.7	30.0
PMC-12J-12G-SS	3/4	18	1 1/16-12	3/4	47.5	15.2	36.0
PMC-12J-16G-SS	3/4	18	1 1/16-12	1	52.6	15.2	46.0
PMC-16J-12G-SS	1	25	1 5/16-12	3/4	48.5	15.2	36.0
PMC-16J-16G-SS	1	25	1 5/16-12	1	53.6	21.0	46.0
PMC-16J-20G-SS	1	25	1 5/16-12	1 1/4	55.1	21.0	50.0
PMC-20J-20G-SS	1 1/4	32	1 5/8-12	1 1/4	56.9	26.9	50.0
PMC-24J-20G-SS	1 1/2	38	1 7/8-12	1 1/4	60.4	26.9	50.0
PMC-24J-24G-SS	1 1/2	38	1 7/8-12	1 1/2	61.0	32.8	55.0

37° Flared Tube Fittings

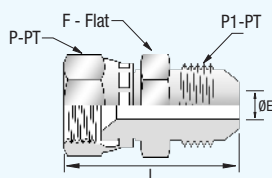
Male Connectors - 37° JIC x SAE / MS Straight

SAE 070120



Part No	Tube OD (P-PT)			(P1-PT) SAE / MS	Dimensions		
	inch	mm	JIC / UNF		L	E	F
PMC-2J-5S-SS	1/8	3	5/16-24	5/16-24	26.9	1.6	11.1
PMC-3J-6S-SS	3/16	4	3/8-24	3/8-24	27.9	3.2	12.7
PMC-4J-7S-SS	1/4	6	7/16-20	7/16-20	31.2	4.4	14.3
PMC-4J-8S-SS	1/4	6	7/16-20	1/2-20	31.2	4.4	15.9
PMC-4J-9S-SS	1/4	6	7/16-20	9/16-18	33.0	4.4	17.5
PMC-4J-12S-SS	1/4	6	7/16-20	3/4-16	34.8	4.4	22.2
PMC-5J-8S-SS	5/16	8	1/2-20	1/2-20	31.2	6.0	15.9
PMC-6J-9S-SS	3/8	10	9/16-18	9/16-18	33.0	7.5	17.5
PMC-6J-12S-SS	3/8	10	9/16-18	3/4-16	35.1	7.5	22.2
PMC-6J-14S-SS	3/8	10	9/16-18	7/8-14	38.1	7.5	25.4
PMC-8J-9S-SS	1/2	12	3/4-16	9/16-18	36.6	7.5	20.6
PMC-8J-12S-SS	1/2	12	3/4-16	3/4-16	37.6	9.9	22.2
PMC-8J-14S-SS	1/2	12	3/4-16	7/8-14	40.6	9.9	25.4
PMC-8J-17S-SS	1/2	12	3/4-16	1 1/16-12	44.7	9.9	31.8
PMC-10J-12S-SS	5/8	16	7/8-14	3/4-16	40.6	10.7	23.8
PMC-10J-14S-SS	5/8	16	7/8-14	7/8-14	43.2	12.3	25.4
PMC-10J-17S-SS	5/8	16	7/8-14	1 1/16-12	47.2	12.3	31.8
PMC-12J-12S-SS	3/4	18	1 1/16-12	3/4-16	45.2	10.7	28.6
PMC-12J-14S-SS	3/4	18	1 1/16-12	7/8-14	46.4	12.7	28.6
PMC-12J-17S-SS	3/4	18	1 1/16-12	1 1/16-12	50.0	15.5	31.8
PMC-12J-21S-SS	3/4	18	1 1/16-12	1 5/16-12	50.8	15.5	38.1
PMC-14J-19S-SS	7/8	22	1 3/16-12	1 3/16-12	50.5	18.3	34.9
PMC-14J-21S-SS	7/8	22	1 3/16-12	1 5/16-12	51.3	18.3	38.1
PMC-16J-17S-SS	1	25	1 5/16-12	1 1/16-12	51.1	16.7	34.9
PMC-16J-19S-SS	1	25	1 5/16-12	1 3/16-12	51.8	18.3	34.9
PMC-16J-21S-SS	1	25	1 5/16-12	1 5/16-12	51.8	21.5	38.1

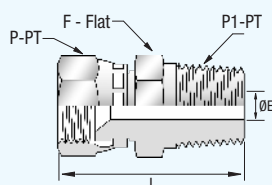
Male Connectors - 37° JIC Swivel x 37° JIC



Part No	Tube OD (P-PT)			(P1-PT) JIC	Dimensions		
	inch	mm	JIC/UNF		L	E	F
PMC-4JSWL-4J-SS	1/4	6	7/16-20	1/4	35.3	4.3	14.2
PMC-6JSWL-6J-SS	3/8	10	9/16-18	3/8	38.1	7.4	15.8
PMC-4JSWL-6J-SS	1/4	6	7/16-20	3/8	38.1	4.3	15.8
PMC-8JSWL-8J-SS	1/2	12	3/4-16	1/2	43.4	9.7	20.6
PMC-6JSWL-8J-SS	3/8	10	9/16-18	1/2	43.6	7.4	20.6
PMC-10JSWL-10J-SS	5/8	16	7/8-14	5/8	51.0	12.1	25.4
PMC-8JSWL-10J-SS	1/2	12	3/4-16	5/8	49.0	9.7	23.8
PMC-12JSWL-12J-SS	3/4	18	1 1/16-12	3/4	57.6	15.2	31.7
PMC-10JSWL-12J-SS	5/8	16	7/8-14	3/4	55.8	12.1	28.5
PMC-16JSWL-16J-SS	1	25	1 5/16-12	1	62.7	21.1	38.1
PMC-12JSWL-16J-SS	3/4	18	1 1/16-12	1	58.6	15.2	38.1
PMC-16JSWL-24J-SS	1	25	1 5/16-12	1 1/4	63.5	21.1	42.8

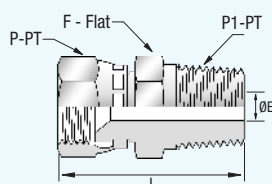
37° Flared Tube Fittings

Male Connectors - 37° JIC Swivel x NPT



Part No	Tube OD (P-PT)			(P1-PT) NPT	Dimensions		
	inch	mm	JIC/UNF		L	E	F
PMC-2JSWL-2N-SS	1/8	3	5/16-24	1/8	30.0	1.6	11.1
PMC-3JSWL-2N-SS	3/16	4	3/8-24	1/8	32.0	3.2	11.1
PMC-4JSWL-2N-SS	1/4	6	7/16-20	1/8	34.2	4.4	12.7
PMC-5JSWL-2N-SS	5/16	8	1/2-20	1/8	35.0	6.0	14.3
PMC-6JSWL-4N-SS	3/8	10	9/16-18	1/4	40.2	7.5	15.9
PMC-8JSWL-6N-SS	1/2	12	3/4-16	3/8	42.7	9.9	20.6
PMC-10JSWL-8N-SS	5/8	16	7/8-14	1/2	51.3	12.3	23.8
PMC-12JSWL-12N-SS	3/4	18	1 1/16-12	3/4	54.5	15.5	28.6
PMC-14JSWL-12N-SS	7/8	22	1 3/16-12	3/4	56.0	18.0	31.8
PMC-16JSWL-16N-SS	1	25	1 5/16-12	1	63.7	21.5	34.9
PMC-20JSWL-20N-SS	1 1/4	32	1 5/8-12	1 1/4	68.9	27.5	42.9
PMC-24JSWL-24N-SS	1 1/2	38	1 7/8-12	1 1/2	77.6	33.0	50.8
PMC-32JSWL-32N-SS	2	50	2 1/2-12	2	92.9	45.0	66.7

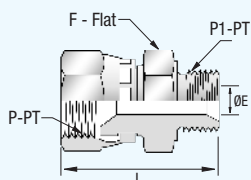
Male Connectors - 37° JIC Swivel x ISO Tapered



Part No	Tube OD (P-PT)			(P1-PT) BSPT	Dimensions		
	inch	mm	JIC/UNF		L	E	F
PMC-2JSWL-2R-SS	1/8	3	5/16-24	1/8	30.0	1.6	11.1
PMC-3JSWL-2R-SS	3/16	4	3/8-24	1/8	32.0	3.2	11.1
PMC-4JSWL-2R-SS	1/4	6	7/16-20	1/8	34.2	4.4	12.7
PMC-5JSWL-2R-SS	5/16	8	1/2-20	1/8	35.0	6.0	14.3
PMC-6JSWL-4R-SS	3/8	10	9/16-18	1/4	40.2	7.5	15.9
PMC-8JSWL-6R-SS	1/2	12	3/4-16	3/8	42.7	9.9	20.6
PMC-10JSWL-8R-SS	5/8	16	7/8-14	1/2	51.3	12.3	23.8
PMC-12JSWL-12R-SS	3/4	18	1 1/16-12	3/4	54.5	15.5	28.6
PMC-14JSWL-12R-SS	7/8	22	1 3/16-12	3/4	56.0	18.0	31.8
PMC-16JSWL-16R-SS	1	25	1 5/16-12	1	63.7	21.5	34.9
PMC-20JSWL-20R-SS	1 1/4	32	1 5/8-12	1 1/4	68.9	27.5	42.9
PMC-24JSWL-24R-SS	1 1/2	38	1 7/8-12	1 1/2	77.6	33.0	50.8
PMC-32JSWL-32R-SS	2	50	2 1/2-12	2	92.9	45.0	66.7

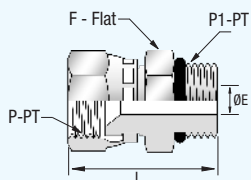
37° Flared Tube Fittings

Male Connectors - 37° JIC Swivel x ISO Parallel



Part No	Tube OD (P-PT)			(P1-PT) BSPP	Dimensions		
	inch	mm	JIC/UNF		L	E	F
PMC-4JSWL-2G-SS	1/4	6	7/16-20	1/8-28	24.0	1.5	14.0
PMC-4JSWL-4G-SS	1/4	6	7/16-20	1/4-19	29.0	4.3	19.0
PMC-5JSWL-2G-SS	5/16	8	1/2-20	1/8-28	25.0	1.5	14.0
PMC-5JSWL-4G-SS	5/16	8	1/2-20	1/4-19	29.0	4.3	19.0
PMC-6JSWL-4G-SS	3/8	10	9/16-18	1/4-19	30.0	7.4	19.0
PMC-6JSWL-6G-SS	3/8	10	9/16-18	3/8-19	31.0	7.4	22.0
PMC-8JSWL-6G-SS	1/2	12	3/4-16	3/8-19	33.0	7.4	22.0
PMC-8JSWL-4G-SS	1/2	12	3/4-16	1/4-19	33.0	4.3	19.0
PMC-10JSWL-8G-SS	5/8	16	7/8-14	1/2-14	37.0	9.7	27.0
PMC-10JSWL-6G-SS	5/8	16	7/8-14	3/8-19	35.0	7.4	22.0
PMC-12JSWL-12G-SS	3/4	18	1 1/16-12	3/4-14	42.0	15.2	32.0
PMC-12JSWL-8G-SS	3/4	18	1 1/16-12	1/2-14	40.0	9.7	27.0
PMC-16JSWL-16G-SS	1	25	1 5/16-12	1-11	45.0	21.1	41.0
PMC-16JSWL-12G-SS	1	25	1 5/16-12	3/4-14	43.0	15.2	36.0
PMC-20JSWL-20G-SS	1 1/4	32	1 5/8-12	1 1/4-11	52.0	26.9	50.0
PMC-20JSWL-16G-SS	1 1/4	32	1 5/8-12	1-11	54.0	21.0	41.0
PMC-24JSWL-24G-SS	1 1/2	38	1 7/8-12	1 1/2-11	58.0	32.8	55.0
PMC-24JSWL-20G-SS	1 1/2	38	1 7/8-12	1 1/4-11	60.0	26.9	50.0

Male Connectors - 37° JIC Swivel x SAE / MS

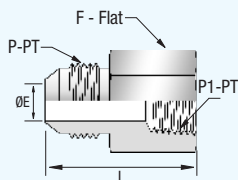


Part No	Tube OD (P-PT)			(P1-PT) SAE/MS	Dimensions		
	inch	mm	JIC/UNF		L	E	F
PMC-4JSWL-7S-SS	1/4	6	7/16-20	7/16-20	32.7	4.3	14.2
PMC-4JSWL-9S-SS	1/4	6	7/16-20	9/16-18	34.2	4.3	17.4
PMC-5JSWL-8S-SS	5/16	8	1/2-20	1/2-20	33.7	5.8	14.0
PMC-6JSWL-9S-SS	3/8	10	9/16-18	9/16-18	35.7	7.4	15.9
PMC-6JSWL-7S-SS	3/8	10	9/16-18	7/16-20	34.2	7.4	14.2
PMC-6JSWL-12S-SS	3/8	10	9/16-18	3/4-16	37.5	7.4	22.3
PMC-8JSWL-12S-SS	1/2	12	3/4-16	3/4-16	40.2	9.7	22.3
PMC-8JSWL-9S-SS	1/2	12	3/4-16	9/16-18	38.5	9.7	20.6
PMC-8JSWL-14S-SS	1/2	12	3/4-16	7/8-14	47.0	9.7	22.3
PMC-10JSWL-14S-SS	5/8	16	7/8-14	7/8-14	46.0	12.1	25.4
PMC-10JSWL-12S-SS	5/8	16	7/8-14	3/4-16	41.7	12.1	25.4
PMC-10JSWL-17S-SS	5/8	16	7/8-14	1 1/16-12	48.0	12.1	31.8
PMC-12JSWL-17S-SS	3/4	18	1 1/16-12	1 1/16-12	51.7	15.2	31.8
PMC-12JSWL-14S-SS	3/4	18	1 1/16-12	7/8-14	52.5	15.2	31.8
PMC-12JSWL-21S-SS	3/4	18	1 1/16-12	1 5/16-12	56.0	15.2	38.1
PMC-16JSWL-21S-SS	1	25	1 5/16-12	1 5/16-12	57.0	21.1	38.1
PMC-16JSWL-17S-SS	1	25	1 5/16-12	1 1/16-12	53.5	21.1	38.1
PMC-20JSWL-26S-SS	1 1/4	32	1 5/8-12	1 5/8-12	62.2	26.9	50.8

37° Flared Tube Fittings

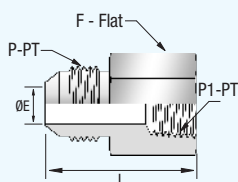
Female Connectors - 37° JIC x NPT

SAE 070103



Part No	Tube OD (P-PT)			(P1-PT) NPT	Dimensions		
	inch	mm	JIC / UNF		L	E	F
PFC-2J-2N-SS	1/8	3	5/16-12	1/8	28.4	1.6	14.3
PFC-3J-2N-SS	3/16	4	3/8-24	1/8	28.7	3.2	14.3
PFC-4J-2N-SS	1/4	6	7/16-20	1/8	30.2	4.4	14.3
PFC-4J-4N-SS	1/4	6	7/16-20	1/4	35.3	4.4	19.1
PFC-5J-2N-SS	5/16	8	1/2-20	1/8	29.7	6.0	14.3
PFC-5J-4N-SS	5/16	8	1/2-20	1/4	35.3	6.0	19.1
PFC-6J-4N-SS	3/8	10	9/16-18	1/4	35.6	7.5	19.1
PFC-6J-6N-SS	3/8	10	9/16-18	3/8	37.1	7.5	22.2
PFC-8J-6N-SS	1/2	12	3/4-16	3/8	39.6	9.9	22.2
PFC-8J-8N-SS	1/2	12	3/4-16	1/2	45.6	9.9	28.6
PFC-10J-8N-SS	5/8	16	7/8-14	1/2	48.0	12.3	28.6
PFC-12J-8N-SS	3/4	18	1 1/16-12	1/2	52.1	15.5	28.6
PFC-12J-12N-SS	3/4	18	1 1/16-12	3/4	52.3	15.5	34.9
PFC-14J-12N-SS	7/8	22	1 3/16-12	3/4	52.3	18.3	34.9
PFC-16J-16N-SS	1	25	1 5/16-12	1	59.7	21.5	41.3
PFC-20J-20N-SS	1 1/4	32	1 5/8-12	1 1/4	63.2	27.5	50.8
PFC-32J-24N-SS	2	38	2 1/2-12	1 1/2	66.5	33.0	60.3
PFC-32J-32N-SS	2	50	2 1/2-12	2	75.4	45.0	73.0

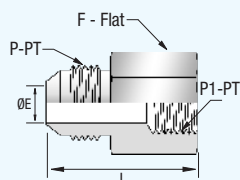
Female Connectors - 37° JIC x ISO Tapered



Part No	Tube OD (P-PT)			(P1-PT) BSPT	Dimensions		
	inch	mm	JIC / UNF		L	E	F
PFC-2J-2R-SS	1/8	3	5/16-12	1/8	28.4	1.6	14.3
PFC-3J-2R-SS	3/16	4	3/8-24	1/8	28.7	3.2	14.3
PFC-4J-2R-SS	1/4	6	7/16-20	1/8	30.2	4.4	14.3
PFC-4J-4R-SS	1/4	6	7/16-20	1/4	35.3	4.4	19.1
PFC-5J-2R-SS	5/16	8	1/2-20	1/8	29.7	6.0	14.3
PFC-5J-4R-SS	5/16	8	1/2-20	1/4	35.3	6.0	19.1
PFC-6J-4R-SS	3/8	10	9/16-18	1/4	35.6	7.5	19.1
PFC-6J-6R-SS	3/8	10	9/16-18	3/8	37.1	7.5	22.2
PFC-8J-6R-SS	1/2	12	3/4-16	3/8	39.6	9.9	22.2
PFC-8J-8R-SS	1/2	12	3/4-16	1/2	45.6	9.9	28.6
PFC-10J-8R-SS	5/8	16	7/8-14	1/2	48.0	12.3	28.6
PFC-12J-8R-SS	3/4	18	1 1/16-12	1/2	52.1	15.5	28.6
PFC-12J-12R-SS	3/4	18	1 1/16-12	3/4	52.3	15.5	34.9
PFC-14J-12R-SS	7/8	22	1 3/16-12	3/4	52.3	18.3	34.9
PFC-16J-16R-SS	1	25	1 5/16-12	1	59.7	21.5	41.3
PFC-20J-20R-SS	1 1/4	32	1 5/8-12	1 1/4	63.2	27.5	50.8
PFC-32J-24R-SS	2	38	2 1/2-12	1 1/2	66.5	33.0	60.3
PFC-32J-32R-SS	2	50	2 1/2-12	2	75.4	45.0	73.0

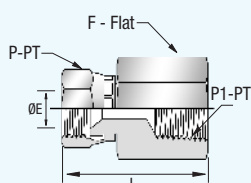
37° Flared Tube Fittings

Female Connectors - 37° JIC x ISO Parallel



Part No	Tube OD (P-PT)			(P1-PT) BSPP	Dimensions		
	inch	mm	JIC / UNF		L	E	F
PFC-4J-2G-SS	1/4	6	7/16-20	1/8-28	30.2	1.5	16.0
PFC-4J-4G-SS	1/4	6	7/16-20	1/4-19	35.3	4.3	19.0
PFC-5J-2G-SS	5/16	8	1/2-20	1/8-28	29.7	1.5	16.0
PFC-6J-4G-SS	3/8	10	9/16-18	1/4-19	35.6	4.3	19.0
PFC-6J-6G-SS	3/8	10	9/16-18	3/8-19	37.1	7.4	22.0
PFC-8J-6G-SS	1/2	12	3/4-16	3/8-19	39.6	7.4	22.0
PFC-8J-8G-SS	1/2	12	3/4-16	1/2-14	45.5	9.7	30.0
PFC-10J-8G-SS	5/8	16	7/8-14	1/2-14	48.0	9.7	30.0
PFC-12J-12G-SS	3/4	18	1 1/16-12	3/4-14	52.3	15.2	36.0
PFC-16J-16G-SS	1	25	1 5/16-12	1-11	59.7	21.1	46.0

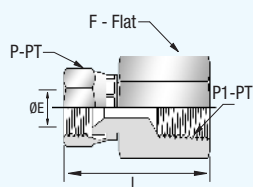
Female Connectors - 37° JIC Swivel x NPT



Part No	Tube OD (P-PT)			(P1-PT) NPT	Dimensions		
	inch	mm	JIC / INF		L	E	F
PFC-2JSWL-2N-SS	1/8	3	5/16-24	1/8	36.1	1.6	14.3
PFC-3JSWL-2N-SS	3/16	4	3/8-24	1/8	37.3	3.2	14.3
PFC-4JSWL-2N-SS	1/4	6	7/16-20	1/8	39.7	4.4	14.3
PFC-5JSWL-2N-SS	5/16	8	1/2-20	1/8	40.5	6.0	14.3
PFC-6JSWL-4N-SS	3/8	10	9/16-18	1/4	45.8	7.5	19.1
PFC-8JSWL-6N-SS	1/2	12	3/4-16	3/8	47.0	9.9	22.2
PFC-10JSWL-8N-SS	5/8	16	7/8-14	1/2	51.6	12.3	28.6
PFC-12JSWL-12N-SS	3/4	18	1 1/16-12	3/4	66.6	15.5	34.9
PFC-14JSWL-12N-SS	7/8	22	1 3/16-12	3/4	67.8	18.0	34.9
PFC-16JSWL-16N-SS	1	25	1 5/16-12	1	73.5	21.5	41.3
PFC-20JSWL-20N-SS	1 1/4	32	1 5/16-12	1 1/4	78.1	27.5	50.8
PFC-24JSWL-24N-SS	1 1/2	38	1 7/8-12	1 1/2	86.7	33.0	60.3
PFC-32JSWL-32N-SS	2	50	2 1/2-12	2	89.3	45.0	66.7

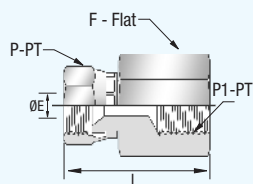
37° Flared Tube Fittings

Female Connectors - 37° JIC Swivel x ISO Tapered



Part No	Tube OD (P-PT)			(P1-PT) BSPT	Dimensions		
	inch	mm	JIC / INF		L	E	F
PFC-2JSWL-2R-SS	1/8	3	5/16-24	1/8	36.1	1.6	14.3
PFC-3JSWL-2R-SS	3/16	4	3/8-24	1/8	37.3	3.2	14.3
PFC-4JSWL-2R-SS	1/4	6	7/16-20	1/8	39.7	4.4	14.3
PFC-5JSWL-2R-SS	5/16	8	1/2-20	1/8	40.5	6.0	14.3
PFC-6JSWL-4R-SS	3/8	10	9/16-18	1/4	45.8	7.5	19.1
PFC-8JSWL-6R-SS	1/2	12	3/4-16	3/8	47.0	9.9	22.2
PFC-10JSWL-8R-SS	5/8	16	7/8-14	1/2	51.6	12.3	28.6
PFC-12JSWL-12R-SS	3/4	18	1 1/16-12	3/4	66.6	15.5	34.9
PFC-14JSWL-12R-SS	7/8	22	1 3/16-12	3/4	67.8	18.0	34.9
PFC-16JSWL-16R-SS	1	25	1 5/16-12	1	73.5	21.5	41.3
PFC-20JSWL-20R-SS	1 1/4	32	1 5/8-12	1 1/4	78.1	27.5	50.8
PFC-24JSWL-24R-SS	1 1/2	38	1 7/8-12	1 1/2	86.7	33.0	60.3
PFC-32JSWL-32R-SS	2	50	2 1/2-12	2	89.3	45.0	66.7

Female Connectors - 37° JIC Swivel x ISO Parallel

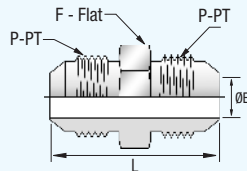


Part No	Tube OD (P-PT)			(P1-PT) BSPP	Dimensions		
	inch	mm	JIC / INF		L	E	F
PFC-2JSWL-2G-SS	1/8	3	5/16-24	1/8	36.1	1.6	14.3
PFC-3JSWL-2G-SS	3/16	4	3/8-24	1/8	37.3	3.2	14.3
PFC-4JSWL-2G-SS	1/4	6	7/16-20	1/8	39.7	4.4	14.3
PFC-5JSWL-2G-SS	5/16	8	1/2-20	1/8	40.5	6.0	14.3
PFC-6JSWL-4G-SS	3/8	10	9/16-18	1/4	45.8	7.5	19.1
PFC-8JSWL-6G-SS	1/2	12	3/4-16	3/8	47.0	9.9	22.2
PFC-10JSWL-8G-SS	5/8	16	7/8-14	1/2	51.6	12.3	28.6
PFC-12JSWL-12G-SS	3/4	18	1 1/16-12	3/4	66.6	15.5	34.9
PFC-14JSWL-12G-SS	7/8	22	1 3/16-12	3/4	67.8	18.0	34.9
PFC-16JSWL-16G-SS	1	25	1 5/16-12	1	73.5	21.5	41.3
PFC-20JSWL-20G-SS	1 1/4	32	1 5/8-12	1 1/4	78.1	27.5	50.8
PFC-24JSWL-24G-SS	1 1/2	38	1 7/8-12	1 1/2	86.7	33.0	60.3
PFC-32JSWL-32G-SS	2	50	2 1/2-12	2	89.3	45.0	66.7

37° Flared Tube Fittings

Unions - 37° JIC

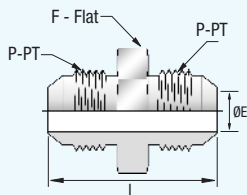
SAE 070101



Part No	Tube OD (P-PT)			Dimensions		
	inch	mm	JIC / UNF	L	E	F
PU-2J-SS	1/8	3	5/16-24	29.7	1.6	11.1
PU-3J-SS	3/16	4	3/8-24	31.2	3.2	11.1
PU-4J-SS	1/4	6	7/16-20	34.8	4.4	12.7
PU-5J-SS	5/16	8	1/2-20	34.8	6.0	14.3
PU-6J-SS	3/8	10	9/16-18	35.8	7.5	15.9
PU-8J-SS	1/2	12	3/4-16	41.1	9.9	20.6
PU-10J-SS	5/8	16	7/8-14	47.8	12.3	23.8
PU-12J-SS	3/4	18	1 1/16-12	54.9	15.5	28.6
PU-14J-SS	7/8	22	1 3/16-12	56.1	18.3	31.8
PU-16J-SS	1	25	1 5/16-12	57.2	21.5	34.9
PU-20J-SS	1 1/4	32	1 5/8-12	61.7	27.5	42.9
PU-24J-SS	1 1/2	38	1 7/8-12	69.8	33.0	50.8
PU-32J-SS	2	50	2 1/2-12	86.4	45.0	66.7

Large Hex Unions - 37° JIC

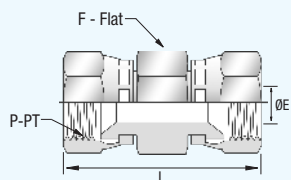
SAE 070119



Part No	Tube OD (P-PT)			Dimensions		
	inch	mm	JIC / UNF	L	E	F
PUL-2J-SS	1/8	3	5/16-24	29.7	1.6	14.3
PUL-3J-SS	3/16	4	3/8-24	31.2	3.2	15.9
PUL-4J-SS	1/4	6	7/16-20	34.8	4.4	17.5
PUL-5J-SS	5/16	8	1/2-20	34.8	6.0	19.1
PUL-6J-SS	3/8	10	9/16-18	35.8	7.5	20.6
PUL-8J-SS	1/2	12	3/4-16	41.1	9.9	25.4
PUL-10J-SS	5/8	16	7/8-14	47.8	12.3	28.6
PUL-12J-SS	3/4	18	1 1/16-12	54.9	15.5	34.9
PUL-14J-SS	7/8	22	1 3/16-12	56.1	18.3	38.1
PUL-16J-SS	1	25	1 5/16-12	57.2	21.5	41.3
PUL-20J-SS	1 1/4	32	1 5/8-12	61.7	27.5	47.6
PUL-24J-SS	1 1/2	38	1 7/8-12	69.8	33.0	54.0
PUL-32J-SS	2	50	2 1/2-12	86.4	45.0	69.9

37° Flared Tube Fittings

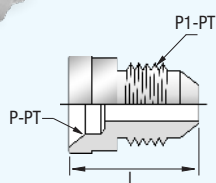
Swivel Union - 37° JIC Swivel x 37° JIC Swivel



Part No	Tube OD (P-PT)			Dimensions		
	inch	mm	JIC / INF	L	E	F
PSU-4JSWL-SS	1/4	6	7/16-20	37.6	4.4	14.3
PSU-6JSWL-SS	3/8	10	9/16-18	44.4	7.5	17.4
PSU-8JSWL-SS	1/2	12	3/4-16	51.3	9.9	22.2
PSU-10JSWL-SS	5/8	16	7/8-14	56.9	12.2	25.4
PSU-12JSWL-SS	3/4	18	1 1/16-12	61.7	15.4	31.8
PSU-16JSWL-SS	1	25	1 5/16-12	68.0	24.1	38.1

Reducing Adapters - 37° JIC

SAE 070123

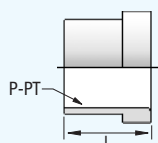


Part No	Tube OD (P-PT)			Tube OD (P1-PT)		Dimensions
	inch	mm	JIC / UNF	inch	mm	L
PRA-6J-4J-SS	3/8	10	7/16-20	1/4	6	24.6
PRA-8J-4J-SS	1/2	12	3/4-16	1/4	6	25.4
PRA-8J-6J-SS	1/2	12	3/4-16	3/8	10	25.4
PRA-10J-4J-SS	5/8	16	7/8-14	1/4	6	26.2
PRA-10J-6J-SS	5/8	16	7/8-14	3/8	10	26.2
PRA-12J-4J-SS	3/4	18	1 1/16-12	1/4	6	27.7
PRA-12J-6J-SS	3/4	18	1 1/16-12	3/8	10	27.7
PRA-12J-8J-SS	3/4	18	1 1/16-12	1/2	12	30.2
PRA-14J-6J-SS	7/8	22	1 3/16-12	3/8	10	28.7
PRA-14J-10J-SS	7/8	22	1 3/16-12	5/8	16	33.7
PRA-16J-4J-SS	1	25	1 5/16-12	1/4	6	31.0
PRA-16J-6J-SS	1	25	1 5/16-12	3/8	10	31.0
PRA-16J-8J-SS	1	25	1 5/16-12	1/2	12	32.3
PRA-16J-10J-SS	1	25	1 5/16-12	5/8	16	35.1
PRA-16J-12J-SS	1	25	1 5/16-12	3/4	18	37.3
PRA-20J-12J-SS	1 1/4	32	1 5/8-12	3/4	18	38.8
PRA-20J-16J-SS	1 1/4	32	1 5/8-12	1	25	40.3
PRA-24J-8J-SS	1 1/2	38	1 7/8-12	1/2	12	39.6
PRA-24J-12J-SS	1 1/2	38	1 7/8-12	3/4	18	41.4
PRA-24J-16J-SS	1 1/2	38	1 7/8-12	1	25	41.4
PRA-32J-24J-SS	2	50	2 1/2-12	1 1/2	38	48.5

37° Flared Tube Fittings

Sleeves - 37° JIC

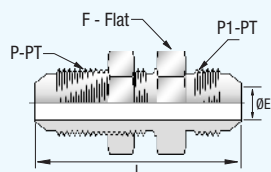
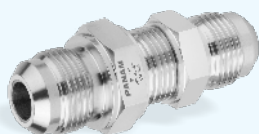
SAE 070115



Part No	Part No	Tube OD (P-PT)			Dimensions
		inch	JIC / NPT	mm	L
PS-2J-SS	PS-3M-SS	1/8	5/16-24	3	8.6
PS-3J-SS	PS-4M-SS	3/16	3/8-24	4	8.6
PS-4J-SS	PS-6M-SS	1/4	7/16-20	6	10.4
PS-5J-SS	PS-8M-SS	5/16	1/2-20	8	11.2
PS-6J-SS	PS-10M-SS	3/8	9/16-18	10	12.7
PS-8J-SS	PS-12M-SS	1/2	3/4-16	12	14.2
PS-10J-SS	PS-16M-SS	5/8	7/8-14	16	16.8
PS-12J-SS	PS-18M-SS	3/4	1 1/16-12	18	17.3
PS-14J-SS	PS-22M-SS	7/8	1 3/16-12	22	19.3
PS-16J-SS	PS-25M-SS	1	1 5/16-12	25	19.8
PS-20J-SS	PS-32M-SS	1 1/4	1 5/8-12	32	23.1
PS-24J-SS	PS-38M-SS	1 1/2	1 7/8-12	38	28.4
PS-32J-SS	PS-50M-SS	2	2 1/2-12	50	30.2

Bulkhead Unions - 37° JIC

SAE 070601

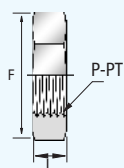
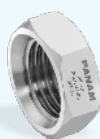


Part No	Tube OD (P-PT)			Dimensions		
	inch	mm	JIC / UNF	L	E	F
PBU-3J-SS	3/16	4	3/8-24	48.3	3.2	15.9
PBU-4J-SS	1/4	6	7/16-20	52.6	4.4	17.5
PBU-5J-SS	5/16	8	1/2-20	52.6	6.0	19.1
PBU-6J-SS	3/8	10	9/16-18	55.4	7.5	20.6
PBU-8J-SS	1/2	12	3/4-16	62.0	9.9	25.4
PBU-10J-SS	5/8	16	7/8-14	69.6	12.3	28.6
PBU-12J-SS	3/4	18	1 1/16-12	78.5	15.5	34.9
PBU-14J-SS	7/8	22	1 3/16-12	79.2	18.3	38.1
PBU-16J-SS	1	25	1 5/16-12	79.8	21.5	41.3
PBU-20J-SS	1 1/4	32	1 5/8-12	84.1	27.5	47.6
PBU-24J-SS	1 1/2	38	1 7/8-12	89.4	33.0	54.0
PBU-32J-SS	2	50	2 1/2-12	106.7	45.0	69.9

37° Flared Tube Fittings

Bulkhead Lock Nuts - 37° JIC

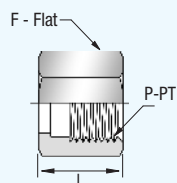
SAE 070118



Part No	Tube OD (P-PT)			Dimensions	
	inch	mm	JIC / UNF	L	F
PBLN-3J-SS	3/16	4	3/8-24	5.6	15.9
PBLN-4J-SS	1/4	6	7/16-20	7.1	17.5
PBLN-5J-SS	5/16	8	1/2-20	7.1	19.1
PBLN-6J-SS	3/8	10	9/16-18	6.9	20.6
PBLN-8J-SS	1/2	12	3/4-16	7.9	25.4
PBLN-10J-SS	5/8	16	7/8-14	9.1	28.6
PBLN-12J-SS	3/4	18	1 1/16-12	10.4	34.9
PBLN-14J-SS	7/8	22	1 3/16-12	10.4	38.1
PBLN-16J-SS	1	25	1 5/16-22	10.4	41.3
PBLN-20J-SS	1 1/4	32	1 5/8-12	10.4	47.6
PBLN-24J-SS	1 1/2	38	1 7/8-12	10.4	54.0
PBLN-32J-SS	2	50	2 1/2-12	10.4	69.9

Nuts - 37° JIC

SAE 070110

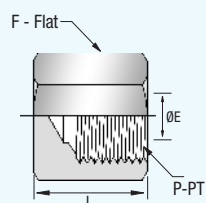


Part No	Tube OD (P-PT)			Dimensions	
	inch	mm	JIC / UNF	L	F
PN-2J-SS	1/8	3	5/16-24	14.0	9.5
PN-3J-SS	3/16	4	3/8-24	15.5	11.1
PN-4J-SS	1/4	6	7/16-20	15.8	14.3
PN-5J-SS	5/16	8	1/2-20	17.3	15.9
PN-6J-SS	3/8	10	9/16-18	18.5	17.5
PN-8J-SS	1/2	12	3/4-16	21.6	22.2
PN-10J-SS	5/8	16	7/8-14	24.9	25.4
PN-12J-SS	3/4	18	1 1/16-12	26.2	31.8
PN-14J-SS	7/8	22	1 3/16-12	27.7	34.9
PN-16J-SS	1	25	1 5/16-12	28.7	38.1
PN-20J-SS	1 1/4	32	1 5/8-12	31.2	50.8
PN-24J-SS	1 1/2	38	1 7/8-12	36.1	57.2
PN-32J-SS	2	50	2 1/2-12	44.5	73.0

37° Flared Tube Fittings

Tube Caps - 37° JIC

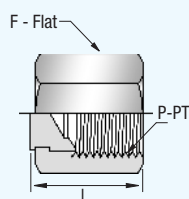
SAE 070109



Part No	Tube OD (P-PT)			Dimensions		
	inch	mm	JIC / UNF	L	E	F
PTC-2J-SS	1/8	3	5/16-24	12.7	1.6	9.5
PTC-3J-SS	3/16	4	3/8-24	14.3	3.2	11.1
PTC-4J-SS	1/4	6	7/16-20	15.1	4.4	14.3
PTC-5J-SS	5/16	8	1/2-20	15.5	6.0	15.9
PTC-6J-SS	3/8	10	9/16-18	15.9	7.5	17.5
PTC-8J-SS	1/2	12	3/4-16	19.1	9.9	22.2
PTC-10J-SS	5/8	16	7/8-14	21.4	12.3	25.4
PTC-12J-SS	3/4	18	1 1/16-12	23.0	15.5	31.8
PTC-14J-SS	7/8	22	1 3/16-12	24.6	18.3	34.9
PTC-16J-SS	1	25	1 5/16-12	25.8	21.5	38.1
PTC-20J-SS	1 1/4	32	1 5/8-12	27.0	27.5	50.8
PTC-24J-SS	1 1/2	38	1 7/8-12	30.2	33.0	57.2
PTC-32J-SS	2	50	2 1/2-12	36.5	45.0	73.0

Tube Cap Assembly - 37° JIC

SAE 070112A

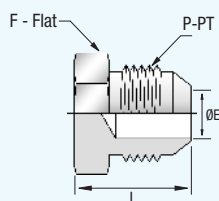


Part No	Tube OD (P-PT)			Dimensions	
	inch	mm	JIC / UNF	L	F
PTCA-2J-SS	1/8	3	5/16-24	15.3	9.5
PTCA-3J-SS	3/16	4	3/8-24	16.8	11.1
PTCA-4J-SS	1/4	6	7/16-20	17.1	14.3
PTCA-5J-SS	5/16	8	1/2-20	19.5	15.9
PTCA-6J-SS	3/8	10	9/16-18	20.5	17.5
PTCA-8J-SS	1/2	12	3/4-16	23.9	22.2
PTCA-10J-SS	5/8	16	7/8-14	27.1	25.4
PTCA-12J-SS	3/4	18	1 1/16-12	31.6	31.8
PTCA-14J-SS	7/8	22	1 3/16-12	32.0	34.9
PTCA-16J-SS	1	25	1 5/16-12	32.8	38.1
PTCA-20J-SS	1 1/4	32	1 5/8-12	35.4	50.8
PTCA-24J-SS	1 1/2	38	1 7/8-12	43.2	57.2
PTCA-32J-SS	2	50	2 1/2-12	52.6	73.0

37° Flared Tube Fittings

Tube Plugs - 37° JIC

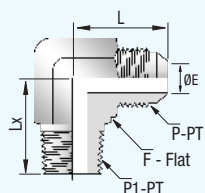
SAE 070112



Part No	Tube OD (P-PT)			Dimensions		
	inch	mm	JIC / UNF	L	E	F
PTP-2J-SS	1/8	3	5/16-24	17.8	1.6	11.1
PTP-3J-SS	3/16	4	3/8-24	18.5	3.2	11.1
PTP-4J-SS	1/4	6	7/16-20	20.3	4.4	12.7
PTP-5J-SS	5/16	8	1/2-20	20.3	6.0	14.3
PTP-6J-SS	3/8	10	9/16-18	21.3	7.5	15.9
PTP-8J-SS	1/2	12	3/4-16	23.9	9.9	20.6
PTP-10J-SS	5/8	16	7/8-14	27.9	12.3	23.8
PTP-12J-SS	3/4	18	1 1/16-12	32.5	15.5	28.6
PTP-14J-SS	7/8	22	1 3/16-12	33.3	18.3	31.8
PTP-16J-SS	1	25	1 5/16-12	33.8	21.5	34.9
PTP-20J-SS	1 1/4	32	1 5/8-12	36.8	27.5	42.9
PTP-24J-SS	1 1/2	38	1 7/8-12	41.9	33.0	50.8
PTP-32J-SS	2	50	2 1/2-12	52.1	45.0	66.7

Male Elbows - 37° JIC x NPT

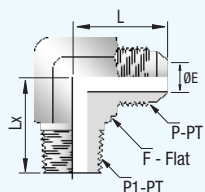
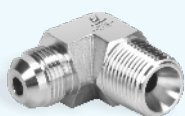
SAE 070202



Part No	Tube OD (P-PT)			(P1-PT) NPT	Dimensions			
	inch	mm	JIC / UNF		L	E	F	Lx
PME-2J-2N-SS	1/8	3	5/16-24	1/8	19.6	1.6	11.1	18.3
PME-3J-2N-SS	3/16	4	3/8-24	1/8	21.1	3.2	11.1	18.3
PME-4J-2N-SS	1/4	6	7/16-20	1/8	22.6	4.4	12.7	19.8
PME-4J-4N-SS	1/4	6	7/16-20	1/4	26.9	4.4	14.3	27.7
PME-5J-2N-SS	5/16	8	1/2-20	1/8	24.1	4.8	14.3	19.8
PME-5J-4N-SS	5/16	8	1/2-20	1/4	26.9	6.0	14.3	27.7
PME-6J-2N-SS	3/8	10	9/16-18	1/8	26.9	4.8	14.3	22.8
PME-6J-4N-SS	3/8	10	9/16-18	1/4	26.9	7.1	14.3	27.7
PME-6J-6N-SS	3/8	10	9/16-18	3/8	29.0	7.5	17.5	31.0
PME-6J-8N-SS	3/8	10	9/16-18	1/2	31.2	7.5	20.6	37.3
PME-8J-4N-SS	1/2	12	3/4-16	1/4	31.8	7.1	20.6	31.0
PME-8J-6N-SS	1/2	12	3/4-16	3/8	31.8	9.9	20.6	31.0
PME-8J-8N-SS	1/2	12	3/4-16	1/2	33.7	9.9	20.6	37.3
PME-8J-12N-SS	1/2	12	3/4-16	3/4	36.0	9.0	25.4	40.4
PME-10J-6N-SS	5/8	16	7/8-14	3/8	36.8	9.9	20.6	33.0
PME-10J-8N-SS	5/8	16	7/8-14	1/2	36.8	12.3	20.6	37.3
PME-10J-12N-SS	5/8	16	7/8-14	3/4	38.9	12.3	25.4	40.4
PME-12J-12N-SS	3/4	18	1 1/16-12	3/4	42.2	15.5	27.0	40.4
PME-12J-16N-SS	3/4	18	1 1/16-12	1	42.2	15.5	31.8	50.4
PME-14J-12N-SS	7/8	22	1 3/16-12	3/4	45.7	18.3	31.8	42.9
PME-16J-12N-SS	1	25	1 5/16-12	3/4	46.0	18.3	34.9	45.2
PME-16J-16N-SS	1	25	1 5/16-12	1	46.0	21.5	34.9	50.0
PME-20J-16N-SS	1 1/4	32	1 5/8-12	1	52.3	23.8	42.9	59.6
PME-20J-20N-SS	1 1/4	32	1 5/8-12	1 1/4	52.3	27.5	42.9	60.5
PME-24J-24N-SS	1 1/2	38	1 7/8-12	1 1/2	59.2	33.0	50.8	67.1
PME-32J-32N-SS	2	50	2 1/2-12	2	77.7	45.0	63.5	76.2

37° Flared Tube Fittings

Male Elbow - 37° JIC x ISO Tapered

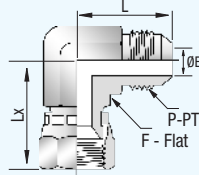


Part No	Tube OD (P-PT)			(P1-PT) BSPT	Dimensions			
	inch	mm	JIC / UNF		L	E	F	Lx
PME-2J-2R-SS	1/8	3	5/16-24	1/8	19.6	1.6	11.1	18.3
PME-3J-2R-SS	3/16	4	3/8-24	1/8	21.1	3.2	11.1	18.3
PME-4J-2R-SS	1/4	6	7/16-20	1/8	22.6	4.4	12.7	19.8
PME-4J-4R-SS	1/4	6	7/16-20	1/4	26.9	4.4	14.3	27.7
PME-5J-2R-SS	5/16	8	1/2-20	1/8	24.1	4.8	14.3	19.8
PME-5J-4R-SS	5/16	8	1/2-20	1/4	26.9	6.0	14.3	27.7
PME-6J-2R-SS	3/8	10	9/16-18	1/8	26.9	4.8	14.3	22.8
PME-6J-4R-SS	3/8	10	9/16-18	1/4	26.9	7.1	14.3	27.7
PME-6J-6R-SS	3/8	10	9/16-18	3/8	29.0	7.5	17.5	31.0
PME-6J-8R-SS	3/8	10	9/16-18	1/2	31.2	7.5	20.6	37.3
PME-8J-4R-SS	1/2	12	3/4-16	1/4	31.8	7.1	20.6	31.0
PME-8J-6R-SS	1/2	12	3/4-16	3/8	31.8	9.9	20.6	31.0
PME-8J-8R-SS	1/2	12	3/4-16	1/2	33.7	9.9	20.6	37.3
PME-8J-12R-SS	1/2	12	3/4-16	3/4	36.0	9.0	25.4	40.4
PME-10J-6R-SS	5/8	16	7/8-14	3/8	36.8	9.9	20.6	33.0
PME-10J-8R-SS	5/8	16	7/8-14	1/2	36.8	12.3	20.6	37.3
PME-10J-12R-SS	5/8	16	7/8-14	3/4	38.9	12.3	25.4	40.4
PME-12J-12R-SS	3/4	18	1 1/16-12	3/4	42.2	15.5	27.0	40.4
PME-12J-16R-SS	3/4	18	1 1/16-12	1	42.2	15.5	31.8	50.4
PME-14J-12R-SS	7/8	22	1 3/16-12	3/4	45.7	18.3	31.8	42.9
PME-16J-12R-SS	1	25	1 5/16-12	3/4	46.0	18.3	34.9	45.2
PME-16J-16R-SS	1	25	1 5/16-12	1	46.0	21.5	34.9	50.0
PME-20J-16R-SS	1 1/4	32	1 5/8-12	1	52.3	23.8	42.9	59.6
PME-20J-20R-SS	1 1/4	32	1 5/8-12	1 1/4	52.3	27.5	42.9	60.5
PME-24J-24R-SS	1 1/2	38	1 7/8-12	1 1/2	59.2	33.0	50.8	67.1
PME-32J-32R-SS	2	50	2 1/2-12	2	77.7	45.0	63.5	76.2

37° Flared Tube Fittings

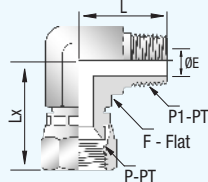
Swivel Male Elbow - 37° JIC x 37° JIC Swivel

SAE 070221



Part No	Tube OD (P-PT)			Dimensions			
	inch	mm	JIC / UNF	L	E	F	Lx
PME-2J-2JSWL-SS	1/8	3	5/16-24	19.6	1.6	11.1	24.6
PME-3J-3JSWL-SS	3/16	4	3/8-24	21.1	3.2	11.1	25.4
PME-4J-4JSWL-SS	1/4	6	7/16-20	22.6	4.4	12.7	25.4
PME-5J-5JSWL-SS	5/16	8	1/2-20	24.1	6.0	14.3	26.9
PME-6J-6JSWL-SS	3/8	10	9/16-18	26.9	7.5	14.3	31.8
PME-8J-8JSWL-SS	1/2	12	3/4-16	31.8	9.9	20.6	35.1
PME-10J-10JSWL-SS	5/8	16	7/8-14	36.8	12.3	20.6	41.1
PME-12J-12JSWL-SS	3/4	18	1 1/16-12	42.2	15.5	27.0	44.4
PME-14J-14JSWL-SS	7/8	22	1 3/16-12	45.7	18.3	31.8	45.2
PME-16J-16JSWL-SS	1	25	1 5/16-12	46.0	21.5	34.9	50.8
PME-20J-20JSWL-SS	1 1/4	32	1 5/8-12	52.3	27.5	42.9	58.7
PME-24J-24JSWL-SS	1 1/2	38	1 7/8-12	59.2	33.0	50.8	65.8
PME-32J-32JSWL-SS	2	50	2 1/2-12	77.7	45.0	63.5	85.9

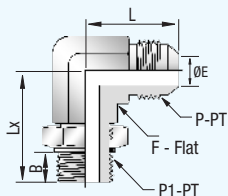
Swivel Male Elbow - 37° JIC Swivel x NPT



Part No	Tube OD (P-PT)			(P1-PT)	Dimensions			
	inch	mm	JIC / UNF	NPT	L	E	F	Lx
PME-4JSWL-2N-SS	1/4	6	7/16-20	1/8	25.4	1.6	14.3	16.8
PME-4JSWL-4N-SS	1/4	6	7/16-20	1/4	26.2	3.2	14.3	16.8
PME-6JSWL-4N-SS	3/8	10	9/16-18	1/4	27.4	4.4	14.3	16.8
PME-6JSWL-6N-SS	3/8	10	9/16-18	3/8	30.9	4.4	20.6	22.4
PME-8JSWL-6N-SS	1/2	12	3/4-16	3/8	27.4	6.0	14.3	16.8
PME-8JSWL-8N-SS	1/2	12	3/4-16	1/2	30.9	6.0	20.6	22.4
PME-10JSWL-8N-SS	5/8	16	7/8-14	1/2	26.9	7.5	15.9	16.8
PME-12JSWL-12N-SS	3/4	18	3/4-16	3/4	31.2	7.5	20.6	22.4
PME-16JSWL-16N-SS	1	25	1 5/16-12	1	33.2	7.5	23.8	25.9

37° Flared Tube Fittings

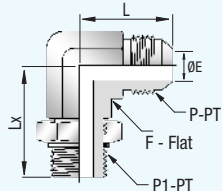
Adjustable Male Elbows - 37° JIC x ISO Parallel



Part No	Tube OD (P-PT)			(P1-PT) BSPP	Dimensions			
	inch	mm	JIC / UNF		L	E	F	Lx
PAME-4J-2G-SS	1/4	6	7/16-20	1/8	22.6	1.5	11.0	26.2
PAME-4J-4G-SS	1/4	6	7/16-20	1/4	22.6	4.3	14.0	31.8
PAME-5J-2G-SS	5/16	8	1/2-20	1/8	24.1	1.5	13.0	27.7
PAME-5J-4G-SS	5/16	8	1/2-20	1/4	26.6	4.3	14.0	31.8
PAME-5J-6G-SS	5/16	8	1/2-20	3/8	28.5	5.8	19.0	36.8
PAME-6J-4G-SS	3/8	10	9/16-18	1/4	26.9	4.3	14.0	31.8
PAME-6J-6G-SS	3/8	10	9/16-18	3/8	29.0	7.4	19.0	36.8
PAME-8J-4G-SS	1/2	12	3/4-16	1/4	31.8	4.3	19.0	36.8
PAME-8J-6G-SS	1/2	12	3/4-16	3/8	31.8	7.4	19.0	36.8
PAME-8J-8G-SS	1/2	12	3/4-16	1/2	33.8	9.7	22.0	43.2
PAME-10J-6G-SS	5/8	16	7/8-14	3/8	36.8	7.4	22.0	37.1
PAME-10J-8G-SS	5/8	16	7/8-14	1/2	36.8	9.7	22.0	43.2
PAME-10J-12G-SS	5/8	16	7/8-14	3/4	39.2	12.1	27.0	49.3
PAME-12J-8G-SS	3/4	18	1 1/16-12	1/2	42.2	9.7	27.0	49.3
PAME-12J-12G-SS	3/4	18	1 1/16-12	3/4	42.2	15.2	27.0	49.3
PAME-12J-16G-SS	3/4	18	1 1/16-12	1	44.7	15.2	33.0	52.1
PAME-16J-12G-SS	1	25	1 5/16-12	3/4	46.0	15.2	33.0	48.2
PAME-16J-16G-SS	1	25	1 5/16-12	1	46.0	21.1	33.0	52.1
PAME-20J-16G-SS	1 1/4	32	1 5/8-12	1	52.3	21.1	41.0	57.2
PAME-20J-20G-SS	1 1/4	32	1 5/8-12	1 1/4	52.3	26.9	41.0	57.2
PAME-24J-20G-SS	1 1/2	38	1 7/8-12	1 1/4	59.2	26.9	48.0	60.7
PAME-24J-24G-SS	1 1/2	38	1 7/8-12	1 1/2	59.2	32.8	48.0	60.7

Adjustable Male Elbows - 37° JIC x SAE / MS

SAE 070220

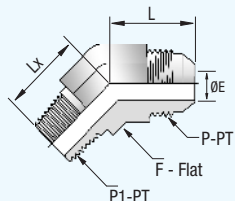
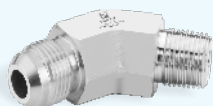


Part No	Tube OD (P-PT)			(P1-PT) SAE/MS	Dimensions			
	inch	mm	JIC / UNF		L	E	F	Lx
PAME-2J-5S-SS	1/8	3	5/16-24	5/16-24	19.6	1.6	11.1	23.9
PAME-3J-6S-SS	3/16	4	3/8-24	3/8-24	21.1	3.2	11.1	23.9
PAME-4J-7S-SS	1/4	6	7/16-20	7/16-20	22.6	4.4	12.7	26.2
PAME-5J-8S-SS	5/16	8	1/2-20	1/2-20	24.1	6.0	14.3	28.7
PAME-6J-9S-SS	3/8	10	9/16-18	9/16-18	26.9	7.5	15.9	31.8
PAME-8J-12S-SS	1/2	12	3/4-16	3/4-16	31.8	9.9	20.6	36.8
PAME-10J-14S-SS	5/8	16	7/8-14	7/8-14	36.8	12.3	23.8	43.2
PAME-12J-17S-SS	3/4	18	1 1/16-12	1 1/16-12	42.2	15.5	31.8	49.3
PAME-14J-19S-SS	7/8	22	1 3/16-12	1 3/16-12	45.7	18.3	31.8	50.8
PAME-16J-21S-SS	1	25	1 5/16-12	1 5/16-12	46.0	21.5	34.9	52.1
PAME-20J-22S-SS	1 1/4	32	1 5/8-12	1 5/8-12	52.3	27.5	42.9	57.2
PAME-24J-30S-SS	1 1/2	38	1 7/8-12	1 7/8-12	59.2	33.0	50.8	60.7
PAME-32J-40S-SS	2	50	2 1/2-12	2 1/2-12	77.7	45.0	63.5	73.4

37° Flared Tube Fittings

45° Male Elbows - 37° JIC x NPT

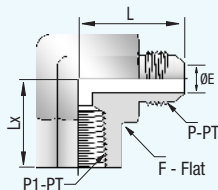
SAE 070302



Part No	Tube OD (P-PT)			(P1-PT) NPT	Dimensions			
	inch	mm	JIC / UNF		L	E	F	Lx
PLME-2J-2N-SS	1/8	3	5/16-24	1/8	17.5	1.6	11.1	13.2
PLME-3J-2N-SS	3/16	4	3/8-24	1/8	17.5	3.2	11.1	13.2
PLME-4J-2N-SS	1/4	6	7/16-20	1/8	18.3	4.4	12.7	16.3
PLME-5J-2N-SS	5/16	8	1/2-20	1/8	19.6	4.8	14.3	16.3
PLME-6J-4N-SS	3/8	10	9/16-18	1/4	21.1	7.1	14.3	21.8
PLME-8J-6N-SS	1/2	12	3/4-16	3/8	24.9	9.9	17.5	24.1
PLME-10J-8N-SS	5/8	16	7/8-14	1/2	28.2	12.3	20.6	29.7
PLME-12J-12N-SS	3/4	18	1 1/16-12	3/4	32.5	15.5	27.0	30.5
PLME-14J-12N-SS	7/8	22	1 3/16-12	3/4	36.8	18.3	31.8	33.0
PLME-16J-16N-SS	1	25	1 5/16-12	1	37.3	21.5	34.9	37.6
PLME-20J-20N-SS	1 1/4	32	1 5/8-12	1 1/4	40.4	27.5	42.9	42.4
PLME-24J-24N-SS	1 1/2	38	1 7/8-12	1 1/2	45.2	33.0	50.8	45.0
PLME-32J-32N-SS	2	50	2 1/2-12	2	56.4	45.0	63.5	53.6

Female Elbows - 37° JIC x NPT

SAE 070203

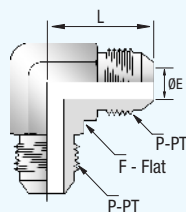


Part No	Tube OD (P-PT)			(P1-PT) NPT	Dimensions			
	inch	mm	JIC / UNF		L	E	F	Lx
PFE-2J-2N-SS	1/8	3	5/16-24	1/8	25.4	1.6	14.3	16.8
PFE-3J-2N-SS	3/16	4	3/8-24	1/8	26.2	3.2	14.3	16.8
PFE-4J-2N-SS	1/4	6	7/16-20	1/8	27.4	4.4	14.3	16.8
PFE-4J-4N-SS	1/4	6	7/16-20	1/4	30.9	4.4	20.6	22.4
PFE-5J-2N-SS	5/16	8	1/2-20	1/8	27.4	6.0	14.3	16.8
PFE-5J-4N-SS	5/16	8	1/2-20	1/4	30.9	6.0	20.6	22.4
PFE-6J-2N-SS	3/8	10	9/16-18	1/8	26.9	7.5	15.9	16.8
PFE-6J-4N-SS	3/8	10	9/16-18	1/4	31.2	7.5	20.6	22.4
PFE-6J-6N-SS	3/8	10	9/16-18	3/8	33.2	7.5	23.8	25.9
PFE-8J-4N-SS	1/2	12	3/4-16	1/4	31.6	9.9	20.6	22.4
PFE-8J-6N-SS	1/2	12	3/4-16	3/8	36.1	9.9	23.8	25.9
PFE-8J-8N-SS	1/2	12	3/4-16	1/2	36.1	9.9	27.0	31.2
PFE-10J-8N-SS	5/8	16	7/8-14	1/2	41.7	12.3	27.0	31.2
PFE-12J-8N-SS	3/4	18	1 1/16-12	1/2	42.1	15.5	31.8	31.2
PFE-12J-12N-SS	3/4	18	1 1/16-12	3/4	48.0	15.5	34.9	34.5
PFE-14J-12N-SS	7/8	22	1 3/16-12	3/4	47.2	18.3	34.9	36.1
PFE-16J-16N-SS	1	25	1 5/16-12	1	55.1	21.5	42.9	41.1
PFE-20J-20N-SS	1 1/4	32	1 5/8-12	1 1/4	59.2	27.5	50.8	43.2
PFE-24J-24N-SS	1 1/2	38	1 7/8-12	1 1/2	73.4	33.0	63.5	52.8
PFE-32J-32N-SS	2	50	2 1/2-12	2	83.8	45.0	63.5	60.7

37° Flared Tube Fittings

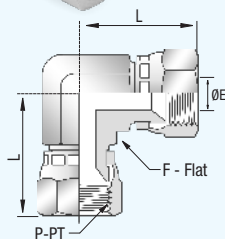
Union Elbows - 37° JIC

SAE 070201



Part No	Tube OD (P-PT)			Dimensions		
	inch	mm	JIC / UNF	L	E	F
PUE-2J-SS	1/8	3	5/16-24	19.6	1.6	11.1
PUE-3J-SS	3/16	4	3/8-24	21.1	3.2	11.1
PUE-4J-SS	1/4	6	7/16-20	22.6	4.4	12.7
PUE-5J-SS	5/16	8	1/2-20	24.1	6.0	14.3
PUE-6J-SS	3/8	10	9/16-18	26.9	7.5	14.3
PUE-8J-SS	1/2	12	3/4-16	31.8	9.9	20.6
PUE-10J-SS	5/8	16	7/8-14	36.8	12.3	20.6
PUE-12J-SS	3/4	18	1 1/16-12	42.2	15.5	27.0
PUE-14J-SS	7/8	22	1 3/16-12	45.7	18.3	31.8
PUE-16J-SS	1	25	1 5/16-12	46.0	21.5	34.9
PUE-20J-SS	1 1/4	32	1 5/8-12	52.3	27.5	42.9
PUE-24J-SS	1 1/2	38	1 7/8-12	59.2	33.0	50.8
PUE-32J-SS	2	50	2 1/2-12	77.7	45.0	63.5

Swivel Union Elbows - 37° JIC Swivel x 37° JIC Swivel

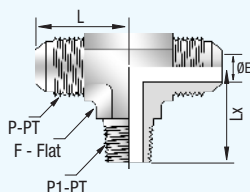


Part No	Tube OD (P-PT)			Dimensions		
	inch	mm	JIC / UNF	L	E	F
PUE-4JSWL-SS	1/4	6	7/16-20	30.5	4.7	14.0
PUE-6JSWL-SS	3/8	10	9/16-20	33.0	7.9	19.0
PUE-8JSWL-SS	1/2	12	3/4-16	38.8	11.1	22.0
PUE-10JSWL-SS	5/8	16	7/8-14	39.4	14.3	22.0
PUE-12JSWL-SS	3/4	18	1 1/16-12	42.3	16.7	27.0
PUE-16JSWL-SS	1	25	1 5/16-12	49.0	22.2	33.0
PUE-20JSWL-SS	1 1/4	32	1 5/8-12	58.2	28.6	41.0
PUE-24JSWL-SS	1 1/2	38	1 7/8-12	63.3	33.3	48.0

37° Flared Tube Fittings

Male Branch Tees - 37° JIC x NPT

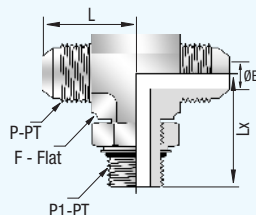
SAE 070425



Part No	Tube OD (P-PT)			(P1-PT) NPT	Dimensions			
	inch	mm	JIC / UNF		L	E	F	Lx
PMBT-2J-2N-SS	1/8	3	5/16-24	1/8	19.6	1.6	11.1	18.3
PMBT-3J-2N-SS	3/16	4	3/8-24	1/8	21.1	3.2	11.1	18.3
PMBT-4J-2N-SS	1/4	6	7/16-20	1/8	22.6	4.4	12.7	19.8
PMBT-4J-4N-SS	1/4	6	7/16-20	1/4	26.9	4.4	14.3	27.7
PMBT-5J-2N-SS	5/16	8	1/2-20	1/8	24.1	4.8	14.3	19.8
PMBT-5J-4N-SS	5/16	8	1/2-20	1/4	26.9	6.0	14.3	27.7
PMBT-6J-2N-SS	3/8	10	9/16-18	1/8	26.9	4.8	14.3	22.8
PMBT-6J-4N-SS	3/8	10	9/16-18	1/4	26.9	7.1	14.3	27.7
PMBT-6J-6N-SS	3/8	10	9/16-18	3/8	29.0	7.5	17.5	31.0
PMBT-6J-8N-SS	3/8	10	9/16-18	1/2	31.2	7.5	20.6	37.3
PMBT-8J-4N-SS	1/2	12	3/4-16	1/4	31.8	7.1	20.6	31.0
PMBT-8J-6N-SS	1/2	12	3/4-16	3/8	31.8	9.9	20.6	31.0
PMBT-8J-8N-SS	1/2	12	3/4-16	1/2	33.7	9.9	20.6	37.3
PMBT-8J-12N-SS	1/2	12	3/4-16	3/4	36.0	9.0	25.4	40.4
PMBT-10J-6N-SS	5/8	16	7/8-14	3/8	36.8	9.9	20.6	33.0
PMBT-10J-8N-SS	5/8	16	7/8-14	1/2	36.8	12.3	20.6	37.3
PMBT-10J-12N-SS	5/8	16	7/8-14	3/4	38.9	12.3	25.4	40.4
PMBT-12J-12N-SS	3/4	18	1 1/16-12	3/4	42.2	15.5	27.0	40.4
PMBT-12J-16N-SS	3/4	18	1 1/16-12	1	42.2	15.5	31.8	50.4
PMBT-14J-12N-SS	7/8	22	1 3/16-12	3/4	45.7	18.3	31.8	42.9
PMBT-16J-12N-SS	1	25	1 5/16-12	3/4	46.0	18.3	34.9	45.2
PMBT-16J-16N-SS	1	25	1 5/16-12	1	46.0	21.5	34.9	50.0
PMBT-20J-16N-SS	1 1/4	32	1 5/8-12	1	52.3	23.8	42.9	59.6
PMBT-20J-20N-SS	1 1/4	32	1 5/8-12	1 1/4	52.3	27.5	42.9	60.5
PMBT-24J-24N-SS	1 1/2	38	1 7/8-12	1 1/2	59.2	33.0	50.8	67.1
PMBT-32J-32N-SS	2	50	2 1/2-12	2	77.7	45.0	63.5	76.2

37° Flared Tube Fittings

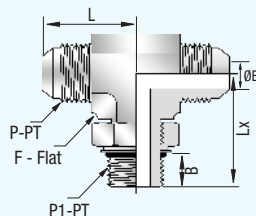
Adjustable Male Branch Tees - 37° JIC x ISO Parallel



Part No	Tube OD (P-PT)			(P1-PT) BSPP	Dimensions			
	inch	mm	JIC / UNF		L	E	F	Lx
PAMBT-4J-2G-SS	1/4	6	7/16-20	1/8	22.6	1.5	11.0	26.2
PAMBT-6J-4G-SS	3/8	10	9/16-18	1/4	26.9	4.3	14.0	31.8
PAMBT-8J-6G-SS	1/2	12	3/4-16	3/8	31.8	7.4	19.0	36.8
PAMBT-10J-8G-SS	5/8	16	7/8-14	1/2	36.8	9.7	22.2	43.2
PAMBT-12J-12G-SS	3/4	18	1 1/16-12	3/4	42.2	15.2	27.0	49.3
PAMBT-16J-16G-SS	1	25	1 5/16-12	1	46.0	21.1	33.0	52.1

Adjustable Male Branch Tees

SAE 070429

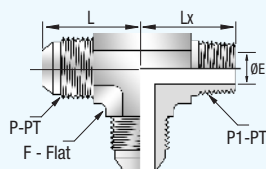


Part No	Tube OD (P-PT)			(P1-PT) SAE/MS	Dimensions			
	inch	mm	JIC / UNF		L	E	F	Lx
PAMBT-2J-5A-SS	1/8	3	5/16-24	5/16-24	19.6	1.6	11.1	23.9
PAMBT-3J-6A-SS	3/16	4	3/8-24	3/8-24	21.1	3.2	11.1	23.9
PAMBT-4J-7A-SS	1/4	6	7/16-20	7/16-20	22.6	4.4	12.7	26.2
PAMBT-5J-8A-SS	5/16	8	1/2-20	1/2-20	24.1	6.0	14.3	28.7
PAMBT-6J-9A-SS	3/8	10	9/16-18	9/16-18	26.9	7.5	15.9	31.8
PAMBT-8J-12A-SS	1/2	12	3/4-16	3/4-16	31.8	9.9	20.6	36.8
PAMBT-10J-14A-SS	5/8	16	7/8-14	7/8-14	36.8	12.3	23.8	43.2
PAMBT-12J-17A-SS	3/4	18	1 1/16-12	1 1/16-12	42.2	15.5	31.8	49.3
PAMBT-14J-19A-SS	7/8	22	1 3/16-12	1 3/16-12	45.7	18.3	31.8	50.8
PAMBT-16J-21A-SS	1	25	1 5/16-12	1 5/16-12	46.0	21.5	34.9	52.1
PAMBT-20J-22A-SS	1 1/4	32	1 5/8-12	1 5/8-12	52.3	27.5	42.9	57.2
PAMBT-24J-30A-SS	1 1/2	38	1 7/8-12	1 7/8-12	59.2	33.0	50.8	60.7
PAMBT-32J-40A-SS	2	50	2 1/2-12	2 1/2-12	77.7	45.0	63.5	73.4

37° Flared Tube Fittings

Male Run Tees - 37° JIC x NPT x 37° JIC

SAE 070424

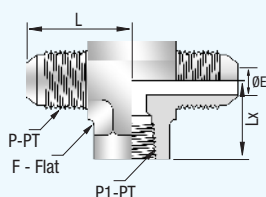


Part No	Tube OD (P-PT)			(P1-PT) NPT	Dimensions			
	inch	mm	JIC / UNF		L	E	F	Lx
PMRT-2J-2N-SS	1/8	3	5/16-24	1/8	19.6	1.6	11.1	18.3
PMRT-3J-2N-SS	3/16	4	3/8-24	1/8	21.1	3.2	11.1	18.3
PMRT-4J-2N-SS	1/4	6	7/16-20	1/8	22.6	4.4	12.7	19.8
PMRT-4J-4N-SS	1/4	6	7/16-20	1/4	26.9	4.4	14.3	27.7
PMRT-5J-2N-SS	5/16	8	1/2-20	1/8	24.1	4.8	14.3	19.8
PMRT-5J-4N-SS	5/16	8	1/2-20	1/4	26.9	6.0	14.3	27.7
PMRT-6J-2N-SS	3/8	10	9/16-18	1/8	26.9	4.8	14.3	22.8
PMRT-6J-4N-SS	3/8	10	9/16-18	1/4	26.9	7.1	14.3	27.7
PMRT-6J-6N-SS	3/8	10	9/16-18	3/8	29.0	7.5	17.5	31.0
PMRT-6J-8N-SS	3/8	10	9/16-18	1/2	31.2	7.5	20.6	37.3
PMRT-8J-4N-SS	1/2	12	3/4-16	1/4	31.8	7.1	20.6	31.0
PMRT-8J-6N-SS	1/2	12	3/4-16	3/8	31.8	9.9	20.6	31.0
PMRT-8J-8N-SS	1/2	12	3/4-16	1/2	33.7	9.9	20.6	37.3
PMRT-8J-12N-SS	1/2	12	3/4-16	3/4	36.0	9.9	25.4	40.4
PMRT-10J-6N-SS	5/8	16	7/8-14	3/8	36.8	9.9	20.6	33.0
PMRT-10J-8N-SS	5/8	16	7/8-14	1/2	36.8	12.3	20.6	37.3
PMRT-10J-12N-SS	5/8	16	7/8-14	3/4	38.9	12.3	25.4	40.4
PMRT-12J-12N-SS	3/4	18	1 1/16-12	3/4	42.2	15.5	27.0	40.4
PMRT-12J-16N-SS	3/4	18	1 1/16-12	1	42.2	15.5	31.8	50.4
PMRT-14J-12N-SS	7/8	22	1 3/16-12	3/4	45.7	18.3	31.8	42.9
PMRT-16J-12N-SS	1	25	1 5/16-12	3/4	46.0	18.3	34.9	45.2
PMRT-16J-16N-SS	1	25	1 5/16-12	1	46.0	21.5	34.9	50.0
PMRT-20J-16N-SS	1 1/4	32	1 5/8-12	1	52.3	23.8	42.9	59.6
PMRT-20J-20N-SS	1 1/4	32	1 5/8-12	1 1/4	52.3	27.5	42.9	60.5
PMRT-24J-24N-SS	1 1/2	38	1 7/8-12	1 1/2	59.2	33.0	50.8	67.1
PMRT-32J-32N-SS	2	50	2 1/2-12	2	77.7	45.0	63.5	76.2

37° Flared Tube Fittings

Female Branch Tees - 37° JIC x 37° JIC x NPT

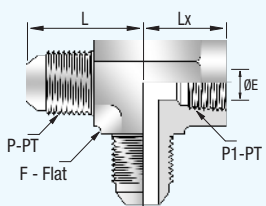
SAE 070427



Part No	Tube OD (P-PT)			(P1-PT) NPT	Dimensions			
	inch	mm	JIC / UNF		L	E	F	Lx
PFBT-2J-2N-SS	1/8	3	5/16-24	1/8	25.4	1.6	14.3	16.8
PFBT-3J-2N-SS	3/16	4	3/8-24	1/8	26.2	3.2	14.3	16.8
PFBT-4J-2N-SS	1/4	6	7/16-20	1/8	27.4	4.4	14.3	16.8
PFBT-4J-4N-SS	1/4	6	7/16-20	1/4	30.9	4.4	20.6	22.4
PFBT-5J-2N-SS	5/16	8	1/2-20	1/8	27.4	6.0	14.3	16.8
PFBT-5J-4N-SS	5/16	8	1/2-20	1/4	30.9	6.0	20.6	22.4
PFBT-6J-2N-SS	3/8	10	9/16-18	1/8	26.9	7.5	15.9	16.8
PFBT-6J-4N-SS	3/8	10	9/16-18	1/4	31.2	7.5	20.6	22.4
PFBT-6J-6N-SS	3/8	10	9/16-18	3/8	33.2	7.5	23.8	25.9
PFBT-8J-4N-SS	1/2	12	3/4-16	1/4	31.6	9.9	20.6	22.4
PFBT-8J-6N-SS	1/2	12	3/4-16	3/8	36.1	9.9	23.8	25.9
PFBT-8J-8N-SS	1/2	12	3/4-16	1/2	36.1	9.9	27.0	31.2
PFBT-10J-8N-SS	5/8	16	7/8-14	1/2	41.7	12.3	27.0	31.2
PFBT-12J-8N-SS	3/4	18	1 1/16-12	1/2	42.1	15.5	31.8	31.2
PFBT-12J-12N-SS	3/4	18	1 1/16-12	3/4	48.0	15.5	34.9	34.5
PFBT-14J-12N-SS	7/8	22	1 3/16-12	3/4	47.2	18.3	34.9	36.1
PFBT-16J-16N-SS	1	25	1 5/16-12	1	55.1	21.5	42.9	41.1
PFBT-20J-20N-SS	1 1/4	32	1 5/8-12	1 1/4	59.2	27.5	50.8	43.2
PFBT-24J-24N-SS	1 1/2	38	1 7/8-12	1 1/2	73.4	33.0	63.5	52.8
PFBT-32J-32N-SS	2	50	2 1/2-12	2	83.8	45.0	63.5	60.7

Female Run Tees - 37° JIC x NPT x 37° JIC

SAE 070426

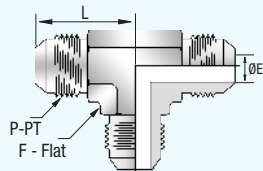


Part No	Tube OD (P-PT)			(P1-PT) NPT	Dimensions			
	inch	mm	JIC / UNF		L	E	F	Lx
PFRT-2J-2N-SS	1/8	3	5/16-24	1/8	25.4	1.6	14.3	16.8
PFRT-3J-2N-SS	3/16	4	3/8-24	1/8	26.2	3.2	14.3	16.8
PFRT-4J-2N-SS	1/4	6	7/16-20	1/8	27.4	4.4	14.3	16.8
PFRT-4J-4N-SS	1/4	6	7/16-20	1/4	30.9	4.4	20.6	22.4
PFRT-5J-2N-SS	5/16	8	1/2-20	1/8	27.4	6.0	14.3	16.8
PFRT-5J-4N-SS	5/16	8	1/2-20	1/4	30.9	6.0	20.6	22.4
PFRT-6J-2N-SS	3/8	10	9/16-18	1/8	26.9	7.5	15.9	16.8
PFRT-6J-4N-SS	3/8	10	9/16-18	1/4	31.2	7.5	20.6	22.4
PFRT-6J-6N-SS	3/8	10	9/16-18	3/8	33.2	7.5	23.8	25.9
PFRT-8J-4N-SS	1/2	12	3/4-16	1/4	31.6	9.9	20.6	22.4
PFRT-8J-6N-SS	1/2	12	3/4-16	3/8	36.1	9.9	23.8	25.9
PFRT-8J-8N-SS	1/2	12	3/4-16	1/2	36.1	9.9	27.0	31.2
PFRT-10J-8N-SS	5/8	16	7/8-14	1/2	41.7	12.3	27.0	31.2
PFRT-12J-8N-SS	3/4	18	1 1/16-12	1/2	42.1	15.5	31.8	31.2
PFRT-12J-12N-SS	3/4	18	1 1/16-12	3/4	48.0	15.5	34.9	34.5
PFRT-14J-12N-SS	7/8	22	1 3/16-12	3/4	47.2	18.3	34.9	36.1
PFRT-16J-16N-SS	1	25	1 5/16-12	1	55.1	21.5	42.9	41.1
PFRT-20J-20N-SS	1 1/4	32	1 5/8-12	1 1/4	59.2	27.5	50.8	43.2
PFRT-24J-24N-SS	1 1/2	38	1 7/8-12	1 1/2	73.4	33.0	63.5	52.8
PFRT-32J-32N-SS	2	50	2 1/2-12	2	83.8	45.0	63.5	60.7

37° Flared Tube Fittings

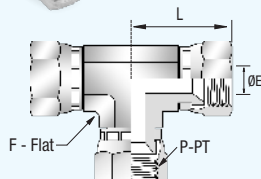
Union Tees - 37° JIC

SAE 070401



Part No	Tube OD (P-PT)			Dimensions		
	inch	mm	JIC / UNF	L	E	F
PUT-2J-SS	1/8	3	5/16-24	19.6	1.6	11.1
PUT-3J-SS	3/16	4	3/8-24	21.1	3.2	11.1
PUT-4J-SS	1/4	6	7/16-20	22.6	4.4	12.7
PUT-5J-SS	5/16	8	1/2-20	24.1	6.0	14.3
PUT-6J-SS	3/8	10	9/16-18	26.9	7.5	14.3
PUT-8J-SS	1/2	12	3/4-16	31.8	9.9	20.6
PUT-10J-SS	5/8	16	7/8-14	36.8	12.3	20.6
PUT-12J-SS	3/4	18	1 1/16-12	42.2	15.5	27.0
PUT-14J-SS	7/8	22	1 3/16-12	45.7	18.0	31.8
PUT-16J-SS	1	25	1 5/16-12	46.0	21.5	34.9
PUT-20J-SS	1 1/4	32	1 5/8-12	52.3	27.5	42.9
PUT-24J-SS	1 1/2	38	1 7/8-12	59.2	33.0	50.8
PUT-32J-SS	2	50	2 1/2-12	77.7	45.0	63.5

Swivel Union Tees - 37° JIC Swivel

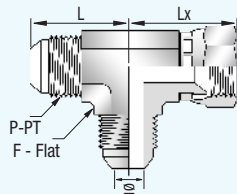


Part No	Tube OD (P-PT)			Dimensions		
	inch	mm	JIC / UNF	L	E	F
PUT-4JSWL-SS	1/4	6	7/16-20	25.4	4.4	11.1
PUT-6JSWL-SS	3/8	10	9/16-18	31.8	7.5	14.3
PUT-8JSWL-SS	1/2	12	3/4-16	35.0	9.9	19.1
PUT-10JSWL-SS	5/8	16	7/8-14	41.1	12.2	19.1
PUT-12JSWL-SS	3/4	18	1 1/16-12	44.5	15.4	27.0
PUT-16JSWL-SS	1	25	1 5/16-12	50.8	21.4	30.2

37° Flared Tube Fittings

Swivel Run Tees - 37° JIC x 37° JIC Swivel x 37° JIC

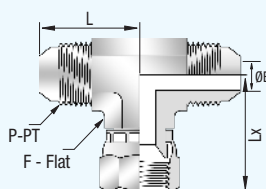
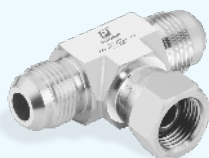
SAE 070432



Part No	Tube OD (P-PT)			Dimensions			
	inch	mm	JIC / UNF	L	E	F	Lx
PSRT-2J-2JSWL-SS	1/8	3	5/16-24	19.6	1.6	11.1	24.6
PSRT-3J-3JSWL-SS	3/16	4	3/8-24	21.1	3.2	11.1	25.4
PSRT-4J-4JSWL-SS	1/4	6	7/16-20	22.6	4.4	12.7	25.4
PSRT-5J-5JSWL-SS	5/16	8	1/2-20	24.1	6.0	14.3	26.9
PSRT-6J-6JSWL-SS	3/8	10	9/16-18	26.9	7.5	14.3	31.8
PSRT-8J-8JSWL-SS	1/2	12	3/4-16	31.8	9.9	20.6	35.1
PSRT-10J-10JSWL-SS	5/8	16	7/8-14	36.8	12.3	20.6	41.1
PSRT-12J-12JSWL-SS	3/4	18	1 1/16-12	42.2	15.5	27.0	44.4
PSRT-14J-14JSWL-SS	7/8	22	1 3/16-12	45.7	18.3	31.8	45.2
PSRT-16J-16JSWL-SS	1	25	1 5/16-12	46.0	21.5	34.9	50.8
PSRT-20J-20JSWL-SS	1 1/4	32	1 5/8-12	52.3	27.5	42.9	58.7
PSRT-24J-24JSWL-SS	1 1/2	38	1 7/8-12	59.2	33.0	50.8	65.8
PSRT-32J-32JSWL-SS	2	50	2 1/2-12	77.7	45.0	63.5	85.9

Swivel Branch Tees - 37° JIC x 37° JIC x 37° JIC Swivel

SAE 070433

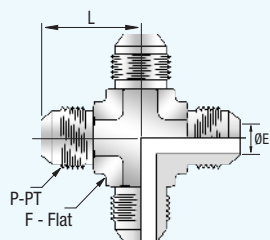


Part No	Tube OD (P-PT)			Dimensions			
	inch	mm	JIC / UNF	L	E	F	Lx
PSBT-2J-2JSWL-SS	1/8	3	5/16-24	19.6	1.6	11.1	24.6
PSBT-3J-3JSWL-SS	3/16	4	3/8-24	21.1	3.2	11.1	25.4
PSBT-4J-4JSWL-SS	1/4	6	7/16-20	22.6	4.4	12.7	25.4
PSBT-5J-5JSWL-SS	5/16	8	1/2-20	24.1	6.0	14.3	26.9
PSBT-6J-6JSWL-SS	3/8	10	9/16-18	26.9	7.5	15.9	31.8
PSBT-8J-8JSWL-SS	1/2	12	3/4-16	31.8	9.9	20.6	35.1
PSBT-10J-10JSWL-SS	5/8	16	7/8-14	36.8	12.3	23.8	41.1
PSBT-12J-12JSWL-SS	3/4	18	1 1/16-12	42.2	15.5	27.0	44.4
PSBT-14J-14JSWL-SS	7/8	22	1 3/16-12	45.7	18.3	31.8	45.2
PSBT-16J-16JSWL-SS	1	25	1 5/16-12	46.0	21.5	34.9	50.8
PSBT-20J-20JSWL-SS	1 1/4	32	1 5/8-12	52.3	27.5	42.9	58.7
PSBT-24J-24JSWL-SS	1 1/2	38	1 7/8-12	59.2	33.0	50.8	65.8
PSBT-32J-32JSWL-SS	2	50	2 1/2-12	77.7	45.0	63.5	85.9

37° Flared Tube Fittings

Union Cross - 37° JIC

SAE 070501



Part No	Tube OD (P-PT) Flare			Dimensions		
	inch	mm	JIC / UNF	L	E	F
PUC-2J-SS	1/8	3	5/16-24	19.6	1.6	11.1
PUC-3J-SS	3/16	4	3/8-24	21.1	3.2	11.1
PUC-4J-SS	1/4	6	7/16-20	22.6	4.4	12.7
PUC-5J-SS	5/16	8	1/2-20	24.1	6.0	14.3
PUC-6J-SS	3/8	10	9/16-18	26.9	7.5	14.3
PUC-8J-SS	1/2	12	3/4-16	31.8	9.9	20.6
PUC-10J-SS	5/8	16	7/8-14	36.8	12.3	20.6
PUC-12J-SS	3/4	18	1 1/16-12	42.2	15.5	27.0
PUC-14J-SS	7/8	22	1 3/16-12	45.7	18.3	31.8
PUC-16J-SS	1	25	1 5/16-12	46.0	21.5	34.9
PUC-20J-SS	1 1/4	32	1 5/8-12	52.3	27.5	42.9
PUC-24J-SS	1 1/2	38	1 7/8-12	59.2	33.0	50.8
PUC-32J-SS	2	50	2 1/2-12	77.7	45.0	63.5

Other Products



2-3-5 VALVE MANIFOLDS



BELLOW SEAL VALVES



GAUGE ROOT VALVES



NEEDLE VALVES



HP NEEDLE VALVES



BALL VALVES



HP BALL VALVES



DOUBLE BLOCK & BLEED VALVES



MONO FLANGE VALVES



CHECK VALVES



RELIEF VALVES



FILTERS



TUBE FITTINGS



PIPE FITTINGS



HP PIPE FITTINGS



SWIVEL FITTINGS



JIC FITTINGS



WELD FITTINGS



HIGH PRESSURE FITTINGS



GAUGE SAVERS



PRESSURE GAUGES



TEMPERATURE GAUGES



PRESSURE TRANSMITTERS



TEMPERATURE TRANSMITTERS



PRESSURE REGULATORS



CONDENSATE POTS



AIR HEADERS



GRAB SAMPLING SYSTEM



PRE-FABRICATED HOOK UPS



FLANGE ADAPTERS



SWIVEL GAUGE ADAPTERS



THERMOWELLS



BLEED PLUGS



DIE-ELECTRIC FITTINGS



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