

37° Flare Fittings (SAE J514)

The best partner for value creation
We support the innovations of customer

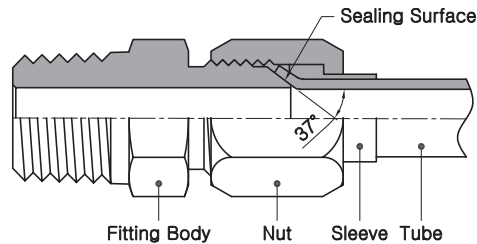


04



Catalogue No. S-LOK Mar.2024

Design Standards



- S-LOK 37° flare fittings consists of body, sleeve and nut and meets the requirements of SAE J514 and ISO 8434-2 standards.
- Tapered threads meet the requirements of ASME B 1.20.1 (NPT), ISO 7/1, BS 21 (BSPT), JIS B 0203 (PT).
- Parallel threads meet the requirements of ASME B 1.1 (UN/UNF), ISO 228/1, BS 2799 (BSPP), JIS B 0202 (PF).

Material Standards

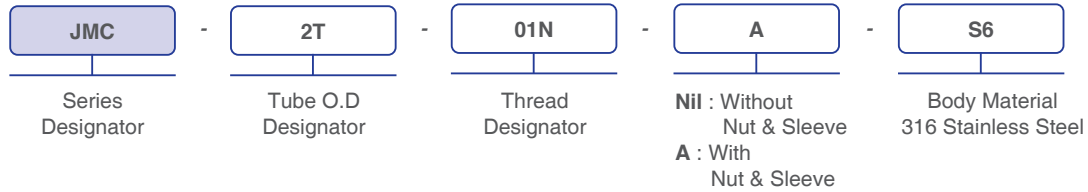
Materials / Material designator	Body		Nut & Sleeve	Applicable Tubing Spec.
	Bar Stock	Forging		
Stainless Steel 316/316L / S6	ASTM A276/A479 Type 316/316L	ASTM A182 F316/F316L	ASTM A276/A479 Type 316/316L	ASTM A269/A213
Carbon Steel / CS	ASTM A108 JIS G4051 S45C	ASTM A105 JIS G4051 S45C	ASTM A108 JIS G4051 S45C	ASTM A179/A161

Working Pressure Ratings

SAE Dash Size	Tube O.D.		SAE Thread	Union & Bulkhead		Fitting with Female Swivel		Fitting with Pipe Thread	
	inch	mm		psi	bar	psi	bar	psi	bar
2	1/8	3	5/16 - 24	5000	345	5000	345	5000	345
3	3/16	4	3/8 - 24	5000	345	5000	345	5000	345
4	1/4	6	7/16 - 20	5000	345	4500	310	5000	345
5	5/16	8	1/2 - 20	5000	345	4000	275	5000	345
6	3/8	10	9/16 - 18	5000	345	4000	275	4000	275
8	1/2	12	3/4 - 16	4500	310	4000	275	3000	210
10	5/8	16	7/8 - 14	3500	240	3000	210	3000	210
12	3/4	18, 20	1 1/16 - 12	3500	240	3000	210	2500	170
14	7/8	22	1 3/16 - 12	3000	210	2500	170	2500	170
16	1	25	1 5/16 - 12	3000	210	2500	170	2000	140
20	1-1/4	32	1 5/8 - 12	2500	170	2000	140	1150	80
24	1-1/2	38	1 7/8 - 12	2000	140	1500	105	1000	70
32	2	50	2 1/2 - 12	1500	105	1125	80	1000	70

Ordering Information

Selection the applicable options from designators listed.



Tube O.D Designators

Tube O.D Size, inch													
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	
2T	3T	4T	5T	6T	8T	10T	12T	14T	16T	20T	24T	32T	

Tube O.D Size, metric													
3	4	6	8	10	12	16	18	20	22	25	32	38	
3M	4M	6M	8M	10M	12M	16M	18M	20M	22M	25M	32M	38M	

Pipe Thread Designators

Thread Type	Standard	Pipe Thread Size											
		1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2			
NPT	ASME B 1.20.1	01N	02N	03N	04N	06N	08N	10N	12N	16N			
PT	ISO 7-1, BS-21, JIS B0203	01R	02R	03R	04R	06R	08R	10R	12R	16R			
PF	ISO 228-1, BS 2779, JIS B 0202	01G	02G	03G	04G	06G	08G	10G	12G	16G			

Unified Thread Designators

Standard	Unified Inch Thread Size													
	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18	3/4-16	7/8-14	1-1/16-12	1-3/16-12	1-5/16-12	1-5/8-12	1-7/8-12	2-1/2-12	
ASME B 1.1	02U	03U	04U	05U	06U	08U	10U	12U	14U	16U	20U	24U	32U	

Tube to Tube Union

Union
JU  166

Union Elbow
JL  166

Union Tee
JT  167

Union Cross
JX  167

Bulkhead Union
JUB  168

Weld Bulkhead Union
JUBW  168

Bulkhead Union Elbow
JBL  169

Tube to Male Pipe

Male Connector
JMC  169

Male Elbow
JLM  170


Male Elbow
JTRM  170

Male Branch Tee
JTBM  171

45° Male Elbow
JLBM  171

Tube to Female Pipe

Female Connector
JCF  172

Bulkhead Female Connector
JCBF  172

Female Elbow
JLF  173


Female Run Tee
JTRF  173

Female Branch Tee
JTBF  174

Tube to Straight Thread


O-Seal Male Connector (PF)
JMCS-G  174

O-Seal Male Connector (UNF)
JMCS-U  175

O-Seal Male Elbow (UNF)
JLS-U  175

O-Seal 45° Male Elbow (UNF)
JLBS-U  176

O-Seal Run Tee (UNF)
JTRS-U  176

O-Seal Branch Tee (UNF)
JTBS-U  177

Swivel Fittings

Swivel Connector

JSMC



177

O-Seal Swivel Connector (UNF)

JSMCS-U



178

Swivel Female Connector

JSCF



178

Swivel Elbow

JSL



179

Swivel Run Tee

JSTR



179

Swivel Branch Tee

JSTB



180

Spare Parts

Nut

JN



180

Sleeve

JS



180

Plug

JP



181

Cap

JCA



181

Fitting Port Reducer

JPR



182

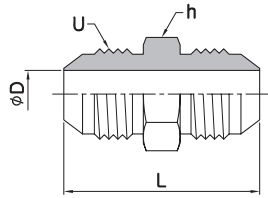
Bulkhead Lock Nut

JLN



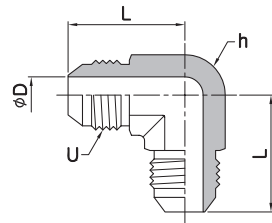
182

Union
JU



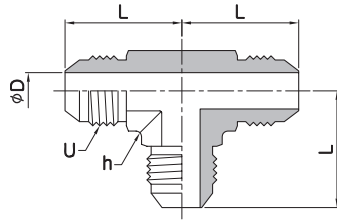
Part No.	Tube O.D		U (UN / UNF)	D	L	h (HEX)
	inch	mm				
JU-2T	1/8	3	5/16 - 24	1.6	29.7	11.1
JU-3T	3/16	4	3/8 - 24	3.2	31.2	11.1
JU-4T	1/4	6	7/16 - 20	4.4	34.8	12.7
JU-5T	5/16	8	1/2 - 20	6.0	34.8	14.3
JU-6T	3/8	10	9/16 - 18	7.5	35.8	15.8
JU-8T	1/2	12	3/4 - 16	9.9	41.1	20.6
JU-10T	5/8	16	7/8 - 14	12.3	47.8	23.8
JU-12T	3/4	18, 20	1 1/16 - 12	15.5	54.9	28.5
JU-14T	7/8	22	1 3/16 - 12	18.3	56.1	31.7
JU-16T	1	25	1 5/16 - 12	21.4	57.2	34.9
JU-20T	1-1/4	32	1 5/8 - 12	27.4	61.7	46.0
JU-24T	1-1/2	38	1 7/8 - 12	33.3	69.8	50.8
JU-32T	2	50	2 1/2 - 12	45.2	86.4	70.0

Union Elbow
JL



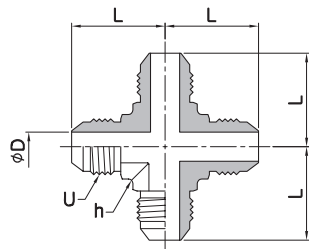
Part No.	Tube O.D		U (UN / UNF)	D	L	h (HEX)
	inch	mm				
JL-2T	1/8	3	5/16 - 24	1.6	19.6	11.1
JL-3T	3/16	4	3/8 - 24	3.2	21.1	11.1
JL-4T	1/4	6	7/16 - 20	4.4	22.6	11.1
JL-5T	5/16	8	1/2 - 20	6.0	24.1	14.3
JL-6T	3/8	10	9/16 - 18	7.5	26.9	14.3
JL-8T	1/2	12	3/4 - 16	9.9	31.8	19.0
JL-10T	5/8	16	7/8 - 14	12.3	36.8	22.2
JL-12T	3/4	18, 20	1 1/16 - 12	15.5	42.2	27.0
JL-14T	7/8	22	1 3/16 - 12	18.3	45.7	33.3
JL-16T	1	25	1 5/16 - 12	21.4	46.0	33.3
JL-20T	1-1/4	32	1 5/8 - 12	27.4	52.3	41.3
JL-24T	1-1/2	38	1 7/8 - 12	33.3	59.2	47.6
JL-32T	2	50	2 1/2 - 12	45.2	77.7	63.5

Union Tee

JT

Part No.	Tube O.D.		U (UN / UNF)	D	L	h (HEX)
	inch	mm				
JT-2T	1/8	3	5/16 - 24	1.6	19.6	11.1
JT-3T	3/16	4	3/8 - 24	3.2	21.1	11.1
JT-4T	1/4	6	7/16 - 20	4.4	22.6	11.1
JT-5T	5/16	8	1/2 - 20	6.0	24.1	14.3
JT-6T	3/8	10	9/16 - 18	7.5	26.9	14.3
JT-8T	1/2	12	3/4 - 16	9.9	31.8	19.0
JT-10T	5/8	16	7/8 - 14	12.3	36.8	22.2
JT-12T	3/4	18, 20	1 1/16 - 12	15.5	42.2	27.0
JT-14T	7/8	22	1 3/16 - 12	18.3	45.7	33.3
JT-16T	1	25	1 5/16 - 12	21.4	46.0	33.3
JT-20T	1-1/4	32	1 5/8 - 12	27.4	52.3	41.3
JT-24T	1-1/2	38	1 7/8 - 12	33.3	59.2	47.6
JT-32T	2	50	2 1/2 - 12	45.2	77.7	63.5

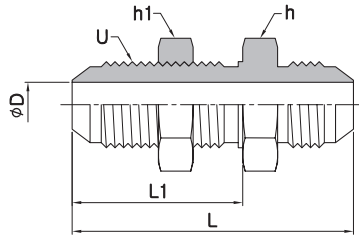
Union Cross

JX

Part No.	Tube O.D.		U (UN / UNF)	D	L	h (HEX)
	inch	mm				
JX-2T	1/8	3	5/16 - 24	1.6	19.6	11.1
JX-3T	3/16	4	3/8 - 24	3.2	21.1	11.1
JX-4T	1/4	6	7/16 - 20	4.4	22.6	11.1
JX-5T	5/16	8	1/2 - 20	6.0	24.1	14.3
JX-6T	3/8	10	9/16 - 18	7.5	26.9	14.3
JX-8T	1/2	12	3/4 - 16	9.9	31.8	19.0
JX-10T	5/8	16	7/8 - 14	12.3	36.8	22.2
JX-12T	3/4	18, 20	1 1/16 - 12	15.5	42.2	27.0
JX-14T	7/8	22	1 3/16 - 12	18.3	45.7	33.3
JX-16T	1	25	1 5/16 - 12	21.4	46.0	33.3
JX-20T	1-1/4	32	1 5/8 - 12	27.4	52.3	41.3
JX-24T	1-1/2	38	1 7/8 - 12	33.3	59.2	47.6
JX-32T	2	50	2 1/2 - 12	45.2	77.7	63.5

Bulkhead Union

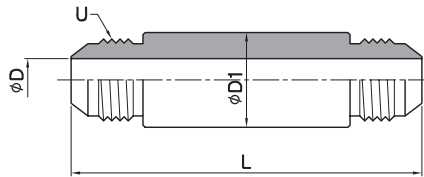
JUB



Part No.	Tube O.D		U (UN / UNF)	D	L	L1	h (HEX)	h1 (HEX)
	inch	mm						
JUB-2T	1/8	3	5/16 - 24	1.6	47.5	28.2	11.1	14.3
JUB-3T	3/16	4	3/8 - 24	3.2	48.3	28.2	11.1	15.8
JUB-4T	1/4	6	7/16 - 20	4.4	52.6	30.5	12.7	17.4
JUB-5T	5/16	8	1/2 - 20	6.0	52.6	30.5	14.3	19.0
JUB-6T	3/8	10	9/16 - 18	7.5	55.4	32.5	15.8	20.6
JUB-8T	1/2	12	3/4 - 16	9.9	62.0	36.6	20.6	25.4
JUB-10T	5/8	16	7/8 - 14	12.3	69.6	40.1	23.8	28.5
JUB-12T	3/4	18, 20	1 1/16 - 12	15.5	78.5	44.4	28.5	34.9
JUB-14T	7/8	22	1 3/16 - 12	18.3	79.2	44.4	31.7	38.1
JUB-16T	1	25	1 5/16 - 12	21.4	79.8	44.4	34.9	41.2
JUB-20T	1-1/4	32	1 5/8 - 12	27.4	84.1	45.7	46.0	47.6
JUB-24T	1-1/2	38	1 7/8 - 12	33.3	89.4	46.0	53.9	53.9
JUB-32T	2	50	2 1/2 - 12	45.2	106.7	53.1	70.0	69.8

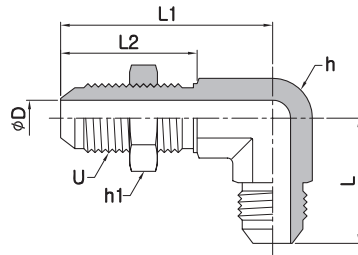
Weld Bulkhead Union

JUBW



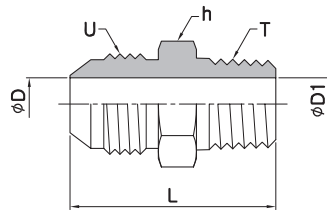
Part No.	Tube O.D		U (UN / UNF)	D	D1	L
	inch	mm				
JUBW-2T	1/8	3	5/16 - 24	1.6	11.0	70.0
JUBW-3T	3/16	4	3/8 - 24	3.2	11.0	70.0
JUBW-4T	1/4	6	7/16 - 20	4.4	14.0	80.0
JUBW-5T	5/16	8	1/2 - 20	6.0	16.0	100.0
JUBW-6T	3/8	10	9/16 - 18	7.5	17.0	100.0
JUBW-8T	1/2	12	3/4 - 16	9.9	22.0	100.0
JUBW-10T	5/8	16	7/8 - 14	12.3	25.0	110.0
JUBW-12T	3/4	18, 20	1 1/16 - 12	15.5	30.0	120.0
JUBW-14T	7/8	22	1 3/16 - 12	18.3	32.0	130.0
JUBW-16T	1	25	1 5/16 - 12	21.4	40.0	130.0
JUBW-20T	1-1/4	32	1 5/8 - 12	27.4	46.0	140.0
JUBW-24T	1-1/2	38	1 7/8 - 12	33.3	50.0	140.0
JUBW-32T	2	50	2 1/2 - 12	45.2	70.0	150.0

Bulkhead Union Elbow

JBL

Part No.	Tube O.D		U (UN / UNF)	D	L	L1	L2	h (HEX)	h1 (HEX)
	inch	mm							
JBL-2T	1/8	3	5/16 - 24	1.6	22.4	38.1	23.4	11.1	14.3
JBL-3T	3/16	4	3/8 - 24	3.2	23.9	38.1	23.4	11.1	15.8
JBL-4T	1/4	6	7/16 - 20	4.4	24.6	40.4	25.9	11.1	17.4
JBL-5T	5/16	8	1/2 - 20	6.0	26.9	43.7	25.9	14.3	19.0
JBL-6T	3/8	10	9/16 - 18	7.5	27.7	46.0	27.7	14.3	20.6
JBL-8T	1/2	12	3/4 - 16	9.9	34.5	53.6	31.8	19.0	25.4
JBL-10T	5/8	16	7/8 - 14	12.3	39.6	60.7	35.3	22.2	28.5
JBL-12T	3/4	18, 20	1 1/16 - 12	15.5	45.2	67.8	39.6	27.0	34.9
JBL-14T	7/8	22	1 3/16 - 12	18.3	48.8	71.1	39.6	33.3	38.1
JBL-16T	1	25	1 5/16 - 12	21.4	49.3	71.1	39.6	33.3	41.2
JBL-20T	1-1/4	32	1 5/8 - 12	27.4	55.1	79.2	40.9	41.3	47.6
JBL-24T	1-1/2	38	1 7/8 - 12	33.3	59.4	86.9	41.1	47.6	53.9
JBL-32T	2	50	2 1/2 - 12	45.2	73.4	104.4	48.5	63.5	69.8

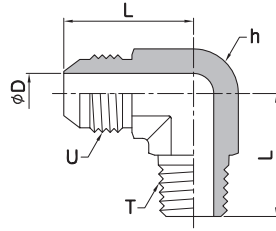
Male Connector

JMC

Part No.	Tube O.D		U (UN / UNF)	T (NPT)	D	D1	L	h (HEX)
	inch	mm						
JMC-2T-01N	1/8	3	5/16 - 24	1/8	1.6	4.8	28.2	11.1
JMC-3T-01N	3/16	4	3/8 - 24	1/8	3.2	4.8	29.0	11.1
JMC-4T-01N	1/4	6	7/16 - 20	1/8	4.4	4.8	31.0	12.7
JMC-5T-01N	5/16	8	1/2 - 20	1/8	6.0	4.8	31.0	14.3
JMC-6T-02N	3/8	10	9/16 - 18	1/4	7.5	7.0	36.3	15.8
JMC-8T-03N	1/2	12	3/4 - 16	3/8	9.9	10.3	38.9	20.6
JMC-10T-04N	5/8	16	7/8 - 14	1/2	12.3	13.5	48.0	23.8
JMC-12T-06N	3/4	18, 20	1 1/16 - 12	3/4	15.5	18.3	52.3	28.5
JMC-14T-06N	7/8	22	1 3/16 - 12	3/4	18.3	18.3	53.1	31.7
JMC-16T-08N	1	25	1 5/16 - 12	1	21.4	23.8	58.4	34.9
JMC-20T-10N	1-1/4	32	1 5/8 - 12	1-1/4	27.4	31.7	62.2	46.0
JMC-24T-12N	1-1/2	38	1 7/8 - 12	1-1/2	33.3	38.0	68.1	50.8
JMC-32T-16N	2	50	2 1/2 - 12	2	45.2	49.0	79.0	70.0

Male Elbow

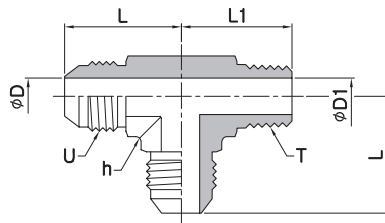
JLM



Part No.	Tube O.D		U (UN / UNF)	T (NPT)	D	D1	L	L1	h (HEX)
	inch	mm							
JLM-2T-01N	1/8	3	5/16 - 24	1/8	1.6	4.8	19.6	18.3	11.1
JLM-3T-01N	3/16	4	3/8 - 24	1/8	3.2	4.8	21.1	18.3	11.1
JLM-4T-01N	1/4	6	7/16 - 20	1/8	4.4	4.8	22.6	19.8	11.1
JLM-5T-01N	5/16	8	1/2 - 20	1/8	6.0	4.8	24.1	19.8	14.3
JLM-6T-02N	3/8	10	9/16 - 18	1/4	7.5	7.0	26.9	27.7	14.3
JLM-8T-03N	1/2	12	3/4 - 16	3/8	9.9	10.3	31.8	31.0	19.0
JLM-10T-04N	5/8	16	7/8 - 14	1/2	12.3	13.5	36.8	37.3	22.2
JLM-12T-06N	3/4	18, 20	1 1/16 - 12	3/4	15.5	18.3	42.2	40.4	27.0
JLM-14T-06N	7/8	22	1 3/16 - 12	3/4	18.3	18.3	45.7	42.9	33.3
JLM-16T-08N	1	25	1 5/16 - 12	1	21.4	23.8	46.0	50.0	33.3
JLM-20T-10N	1-1/4	32	1 5/8 - 12	1-1/4	27.4	31.7	52.3	60.5	41.3
JLM-24T-12N	1-1/2	38	1 7/8 - 12	1-1/2	33.3	38.0	59.2	67.1	47.6
JLM-32T-16N	2	50	2 1/2 - 12	2	45.2	49.0	77.7	76.2	63.5

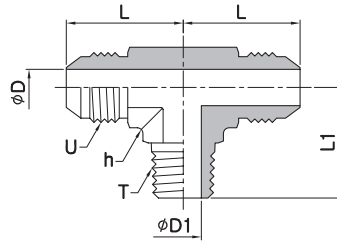
Male Run Tee

JTRM



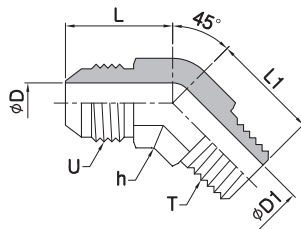
Part No.	Tube O.D		U (UN / UNF)	T (NPT)	D	D1	L	L1	h (HEX)
	inch	mm							
JTRM-2T-01N	1/8	3	5/16 - 24	1/8	1.6	4.8	19.6	18.3	11.1
JTRM-3T-01N	3/16	4	3/8 - 24	1/8	3.2	4.8	21.1	18.3	11.1
JTRM-4T-01N	1/4	6	7/16 - 20	1/8	4.4	4.8	22.6	19.8	11.1
JTRM-5T-01N	5/16	8	1/2 - 20	1/8	6.0	4.8	24.1	19.8	14.3
JTRM-6T-02N	3/8	10	9/16 - 18	1/4	7.5	7.0	26.9	27.7	14.3
JTRM-8T-03N	1/2	12	3/4 - 16	3/8	9.9	10.3	31.8	31.0	19.0
JTRM-10T-04N	5/8	16	7/8 - 14	1/2	12.3	13.5	36.8	37.3	22.2
JTRM-12T-06N	3/4	18, 20	1 1/16 - 12	3/4	15.5	18.3	42.2	40.4	27.0
JTRM-14T-06N	7/8	22	1 3/16 - 12	3/4	18.3	18.3	45.7	42.9	33.3
JTRM-16T-08N	1	25	1 5/16 - 12	1	21.4	23.8	46.0	50.0	33.3
JTRM-20T-10N	1-1/4	32	1 5/8 - 12	1-1/4	27.4	31.7	52.3	60.5	41.3
JTRM-24T-12N	1-1/2	38	1 7/8 - 12	1-1/2	33.3	38.0	59.2	67.1	47.6
JTRM-32T-16N	2	50	2 1/2 - 12	2	45.2	49.0	77.7	76.2	63.5

Male Branch Tee
JTBM



Part No.	Tube O.D		U (UN / UNF)	T (NPT)	D	D1	L	L1	h (HEX)
	inch	mm							
JTBM-2T-01N	1/8	3	5/16 - 24	1/8	1.6	4.8	19.6	18.3	11.1
JTBM-3T-01N	3/16	4	3/8 - 24	1/8	3.2	4.8	21.1	18.3	11.1
JTBM-4T-01N	1/4	6	7/16 - 20	1/8	4.4	4.8	22.6	19.8	11.1
JTBM-5T-01N	5/16	8	1/2 - 20	1/8	6.0	4.8	24.1	19.8	14.3
JTBM-6T-02N	3/8	10	9/16 - 18	1/4	7.5	7.0	26.9	27.7	14.3
JTBM-8T-03N	1/2	12	3/4 - 16	3/8	9.9	10.3	31.8	31.0	19.0
JTBM-10T-04N	5/8	16	7/8 - 14	1/2	12.3	13.5	36.8	37.3	22.2
JTBM-12T-06N	3/4	18, 20	1 1/16 - 12	3/4	15.5	18.3	42.2	40.4	27.0
JTBM-14T-06N	7/8	22	1 3/16 - 12	3/4	18.3	18.3	45.7	42.9	33.3
JTBM-16T-08N	1	25	1 5/16 - 12	1	21.4	23.8	46.0	50.0	33.3
JTBM-20T-10N	1-1/4	32	1 5/8 - 12	1-1/4	27.4	31.7	52.3	60.5	41.3
JTBM-24T-12N	1-1/2	38	1 7/8 - 12	1-1/2	33.3	38.0	59.2	67.1	47.6
JTBM-32T-16N	2	50	2 1/2 - 12	2	45.2	49.0	77.7	76.2	63.5

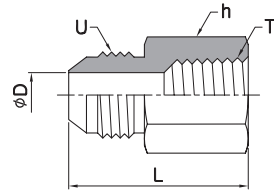
45° Male Elbow
JLBM



Part No.	Tube O.D		U (UN / UNF)	T (NPT)	D	D1	L	L1	h (HEX)
	inch	mm							
JLBM-2T-01N	1/8	3	5/16 - 24	1/8	1.6	4.8	17.5	13.2	11.1
JLBM-3T-01N	3/16	4	3/8 - 24	1/8	3.2	4.8	17.5	13.2	11.1
JLBM-4T-01N	1/4	6	7/16 - 20	1/8	4.4	4.8	18.3	16.3	11.1
JLBM-5T-01N	5/16	8	1/2 - 20	1/8	6.0	4.8	19.6	16.3	14.3
JLBM-6T-02N	3/8	10	9/16 - 18	1/4	7.5	7.0	21.1	21.8	14.3
JLBM-8T-03N	1/2	12	3/4 - 16	3/8	9.9	10.3	24.9	24.1	19.0
JLBM-10T-04N	5/8	16	7/8 - 14	1/2	12.3	13.5	28.2	29.7	22.2
JLBM-12T-06N	3/4	18, 20	1 1/16 - 12	3/4	15.5	18.3	32.5	30.5	27.0
JLBM-14T-06N	7/8	22	1 3/16 - 12	3/4	18.3	18.3	36.8	33.0	33.3
JLBM-16T-08N	1	25	1 5/16 - 12	1	21.4	23.8	37.3	37.6	33.3
JLBM-20T-10N	1-1/4	32	1 5/8 - 12	1-1/4	27.4	31.7	40.4	42.4	41.3
JLBM-24T-12N	1-1/2	38	1 7/8 - 12	1-1/2	33.3	38.0	45.2	45.0	47.6
JLBM-32T-16N	2	50	2 1/2 - 12	2	45.2	49.0	56.4	53.6	63.5

Female Connector

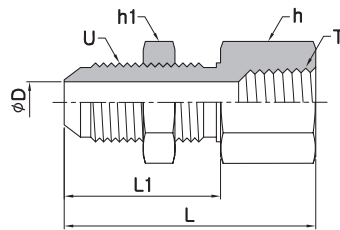
JCF



Part No.	Tube O.D.		U (UN / UNF)	T (NPT)	D	L	h (HEX)
	inch	mm					
JCF-2T-01N	1/8	3	5/16 - 24	1/8	1.6	28.4	14.3
JCF-3T-01N	3/16	4	3/8 - 24	1/8	3.2	28.7	14.3
JCF-4T-01N	1/4	6	7/16 - 20	1/8	4.4	30.2	14.3
JCF-5T-01N	5/16	8	1/2 - 20	1/8	6.0	29.7	14.3
JCF-6T-02N	3/8	10	9/16 - 18	1/4	7.5	35.6	19.0
JCF-8T-03N	1/2	12	3/4 - 16	3/8	9.9	39.6	22.2
JCF-10T-04N	5/8	16	7/8 - 14	1/2	12.3	48.0	28.5
JCF-12T-06N	3/4	18, 20	1 1/16 - 12	3/4	15.5	52.3	34.9
JCF-14T-06N	7/8	22	1 3/16 - 12	3/4	18.3	52.3	34.9
JCF-16T-08N	1	25	1 5/16 - 12	1	21.4	59.7	41.2
JCF-20T-10N	1-1/4	32	1 5/8 - 12	1-1/4	27.4	63.2	50.8
JCF-24T-12N	1-1/2	38	1 7/8 - 12	1-1/2	33.3	66.5	60.3
JCF-32T-16N	2	50	2 1/2 - 12	2	45.2	75.4	73.0

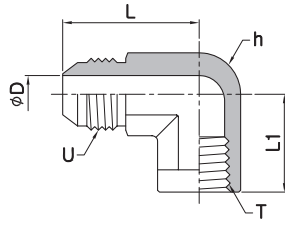
Bulkhead Female Connector

JCBF



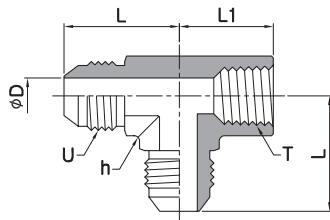
Part No.	Tube O.D.		U (UN / UNF)	T (NPT)	D	L	L1	h (HEX)	h1 (HEX)
	inch	mm							
JCBF-2T-01N	1/8	3	5/16 - 24	1/8	1.6	41.2	28.2	14.3	14.3
JCBF-3T-01N	3/16	4	3/8 - 24	1/8	3.2	41.2	28.2	14.3	15.8
JCBF-4T-01N	1/4	6	7/16 - 20	1/8	4.4	46.7	30.5	14.3	17.4
JCBF-5T-01N	5/16	8	1/2 - 20	1/8	6.0	43.5	30.5	14.3	19.0
JCBF-6T-02N	3/8	10	9/16 - 18	1/4	7.5	52.3	32.5	19.0	20.6
JCBF-8T-03N	1/2	12	3/4 - 16	3/8	9.9	54.4	36.6	22.2	25.4
JCBF-10T-04N	5/8	16	7/8 - 14	1/2	12.3	67.5	40.1	28.5	28.5
JCBF-12T-06N	3/4	18, 20	1 1/16 - 12	3/4	15.5	73.9	44.4	34.9	34.9
JCBF-14T-06N	7/8	22	1 3/16 - 12	3/4	18.3	73.4	44.4	34.9	38.1
JCBF-16T-08N	1	25	1 5/16 - 12	1	21.4	78.5	44.4	41.2	41.2
JCBF-20T-10N	1-1/4	32	1 5/8 - 12	1-1/4	27.4	80.7	45.7	50.8	47.6
JCBF-24T-12N	1-1/2	38	1 7/8 - 12	1-1/2	33.3	85.1	46.0	60.3	53.9
JCBF-32T-16N	2	50	2 1/2 - 12	2	45.2	93.1	53.1	73.0	69.8

Female Elbow

JLF

Part No.	Tube O.D		U (UN / UNF)	T (NPT)	D	L	L1	h (HEX)
	inch	mm						
JLF-2T-01N	1/8	3	5/16 - 24	1/8	1.6	25.4	16.8	14.3
JLF-3T-01N	3/16	4	3/8 - 24	1/8	3.2	26.2	16.8	14.3
JLF-4T-01N	1/4	6	7/16 - 20	1/8	4.4	27.4	16.8	14.3
JLF-5T-01N	5/16	8	1/2 - 20	1/8	6.0	27.4	16.8	14.3
JLF-6T-02N	3/8	10	9/16 - 18	1/4	7.5	31.2	22.4	19.0
JLF-8T-03N	1/2	12	3/4 - 16	3/8	9.9	36.1	25.9	22.2
JLF-10T-04N	5/8	16	7/8 - 14	1/2	12.3	41.7	31.2	27.0
JLF-12T-06N	3/4	18, 20	1 1/16 - 12	3/4	15.5	48.0	34.5	33.3
JLF-14T-06N	7/8	22	1 3/16 - 12	3/4	18.3	47.2	36.1	33.3
JLF-16T-08N	1	25	1 5/16 - 12	1	21.4	55.1	41.1	41.3
JLF-20T-10N	1-1/4	32	1 5/8 - 12	1-1/4	27.4	59.2	43.2	47.6
JLF-24T-12N	1-1/2	38	1 7/8 - 12	1-1/2	33.3	73.4	52.8	65.1
JLF-32T-16N	2	50	2 1/2 - 12	2	45.2	83.8	60.7	71.4

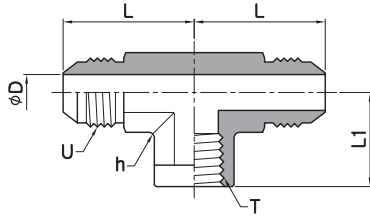
Female Run Tee

JTRF

Part No.	Tube O.D		U (UN / UNF)	T (NPT)	D	L	L1	h (HEX)
	inch	mm						
JTRF-2T-01N	1/8	3	5/16 - 24	1/8	1.6	25.4	16.8	14.3
JTRF-3T-01N	3/16	4	3/8 - 24	1/8	3.2	26.2	16.8	14.3
JTRF-4T-01N	1/4	6	7/16 - 20	1/8	4.4	27.4	16.8	14.3
JTRF-5T-01N	5/16	8	1/2 - 20	1/8	6.0	27.4	16.8	14.3
JTRF-6T-02N	3/8	10	9/16 - 18	1/4	7.5	31.2	22.4	19.0
JTRF-8T-03N	1/2	12	3/4 - 16	3/8	9.9	36.1	25.9	22.2
JTRF-10T-04N	5/8	16	7/8 - 14	1/2	12.3	41.7	31.2	27.0
JTRF-12T-06N	3/4	18, 20	1 1/16 - 12	3/4	15.5	48.0	34.5	33.3
JTRF-14T-06N	7/8	22	1 3/16 - 12	3/4	18.3	47.2	36.1	33.3
JTRF-16T-08N	1	25	1 5/16 - 12	1	21.4	55.1	41.1	41.3
JTRF-20T-10N	1-1/4	32	1 5/8 - 12	1-1/4	27.4	59.2	43.2	47.6
JTRF-24T-12N	1-1/2	38	1 7/8 - 12	1-1/2	33.3	73.4	52.8	65.1
JTRF-32T-16N	2	50	2 1/2 - 12	2	45.2	83.8	60.7	71.4

Female Branch Tee

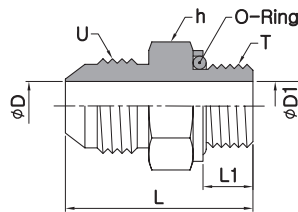
JTBF



Part No.	Tube O.D		U (UN / UNF)	T (NPT)	D	L	L1	h (HEX)
	inch	mm						
JTBF-2T-01N	1/8	3	5/16 - 24	1/8	1.6	25.4	16.8	14.3
JTBF-3T-01N	3/16	4	3/8 - 24	1/8	3.2	26.2	16.8	14.3
JTBF-4T-01N	1/4	6	7/16 - 20	1/8	4.4	27.4	16.8	14.3
JTBF-5T-01N	5/16	8	1/2 - 20	1/8	6.0	27.4	16.8	14.3
JTBF-6T-02N	3/8	10	9/16 - 18	1/4	7.5	31.2	22.4	19.0
JTBF-8T-03N	1/2	12	3/4 - 16	3/8	9.9	36.1	25.9	22.2
JTBF-10T-04N	5/8	16	7/8 - 14	1/2	12.3	41.7	31.2	27.0
JTBF-12T-06N	3/4	18, 20	1 1/16 - 12	3/4	15.5	48.0	34.5	33.3
JTBF-14T-06N	7/8	22	1 3/16 - 12	3/4	18.3	47.2	36.1	33.3
JTBF-16T-08N	1	25	1 5/16 - 12	1	21.4	55.1	41.1	41.3
JTBF-20T-10N	1-1/4	32	1 5/8 - 12	1-1/4	27.4	59.2	43.2	47.6
JTBF-24T-12N	1-1/2	38	1 7/8 - 12	1-1/2	33.3	73.4	52.8	65.1
JTBF-32T-16N	2	50	2 1/2 - 12	2	45.2	83.8	60.7	71.4

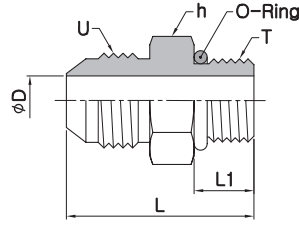
O-Seal Male Connector (PF)

JMCS-G



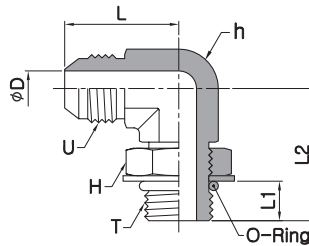
Part No.	Tube O.D		U (UN / UNF)	T (PF)	D	D1	L	L1	h (HEX)
	inch	mm							
JMCS-4T-01G	1/4	6	7/16 - 20	1/8	4.4	4.4	28.7	6.2	17.0
JMCS-5T-01G	5/16	8	1/2 - 20	1/8	6.0	4.0	28.7	6.2	17.0
JMCS-6T-02G	3/8	10	9/16 - 18	1/4	7.5	6.0	32.0	9.3	19.1
JMCS-8T-03G	1/2	12	3/4 - 16	3/8	9.9	9.9	36.0	9.3	22.2
JMCS-10T-04G	5/8	16	7/8 - 14	1/2	12.3	12.3	43.9	12.6	30.0
JMCS-12T-06G	3/4	18, 20	1 1/16 - 12	3/4	15.5	15.5	47.5	12.6	36.0
JMCS-16T-08G	1	25	1 5/16 - 12	1	21.4	21.4	53.6	15.9	46.0
JMCS-20T-10G	1-1/4	32	1 5/8 - 12	1-1/4	27.4	27.4	56.4	15.9	50.0
JMCS-24T-12G	1-1/2	38	1 7/8 - 12	1-1/2	33.3	33.3	61.0	15.9	55.0
JMCS-32T-16G	2	50	2 1/2 - 12	2	45.2	45.2	80.5	25.0	70.0

O-Seal Male Connector (UNF)

JMCS-U

Part No.	Tube O.D		U (UN / UNF)	T (UN / UNF)	D	L	L1	h (HEX)
	inch	mm						
JMCS-2T-02U	1/8	3	5/16 - 24	5/16 - 24	1.6	26.9	7.5	11.1
JMCS-3T-03U	3/16	4	3/8 - 24	3/8 - 24	3.2	27.9	7.5	12.7
JMCS-4T-04U	1/4	6	7/16 - 20	7/16 - 20	4.4	31.2	9.1	14.3
JMCS-5T-05U	5/16	8	1/2 - 20	1/2 - 20	6.0	31.2	9.1	15.8
JMCS-6T-06U	3/8	10	9/16 - 18	9/16 - 18	7.5	33.0	9.9	17.4
JMCS-8T-08U	1/2	12	3/4 - 16	3/4 - 16	9.9	37.6	11.1	22.2
JMCS-10T-10U	5/8	16	7/8 - 14	7/8 - 14	12.3	43.2	12.7	25.4
JMCS-12T-12U	3/4	18, 20	1 1/16 - 12	1 1/16 - 12	15.5	50.0	15.1	31.7
JMCS-14T-14U	7/8	22	1 3/16 - 12	1 3/16 - 12	18.3	50.5	15.1	34.9
JMCS-16T-16U	1	25	1 5/16 - 12	1 5/16 - 12	21.4	51.8	15.1	38.1
JMCS-20T-20U	1-1/4	32	1 5/8 - 12	1 5/8 - 12	27.4	55.1	15.1	47.6
JMCS-24T-24U	1-1/2	38	1 7/8 - 12	1 7/8 - 12	33.3	60.2	15.1	53.9
JMCS-32T-32U	2	50	2 1/2 - 12	2 1/2 - 12	45.2	70.6	15.1	69.8

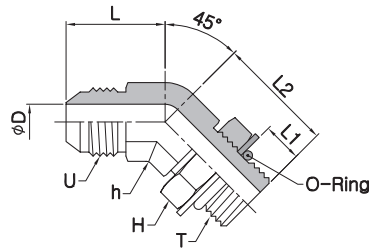
O-seal Male Elbow (UNF)

JLS-U

Part No.	Tube O.D		U (UN / UNF)	T (UN / UNF)	D	L	L1	L2	h (HEX)	H (HEX)
	inch	mm								
JLS-2T-02U	1/8	3	5/16 - 24	5/16 - 24	1.6	19.6	8.4	23.9	11.1	14.3
JLS-3T-03U	3/16	4	3/8 - 24	3/8 - 24	3.2	21.1	8.5	23.9	11.1	15.8
JLS-4T-04U	1/4	6	7/16 - 20	7/16 - 20	4.4	22.6	9.8	26.2	11.1	17.4
JLS-5T-05U	5/16	8	1/2 - 20	1/2 - 20	6.0	24.1	9.8	28.7	14.3	19.0
JLS-6T-06U	3/8	10	9/16 - 18	9/16 - 18	7.5	26.9	11.0	31.8	14.3	20.6
JLS-8T-08U	1/2	12	3/4 - 16	3/4 - 16	9.9	31.8	12.5	36.8	19.0	25.4
JLS-10T-10U	5/8	16	7/8 - 14	7/8 - 14	12.3	36.8	14.3	43.2	22.2	28.5
JLS-12T-12U	3/4	18, 20	1 1/16 - 12	1 1/16 - 12	15.5	42.2	16.5	49.3	27.0	34.9
JLS-14T-14U	7/8	22	1 3/16 - 12	1 3/16 - 12	18.3	45.7	16.5	50.8	33.3	38.1
JLS-16T-16U	1	25	1 5/16 - 12	1 5/16 - 12	21.4	46.0	16.5	52.1	33.3	41.2
JLS-20T-20U	1-1/4	32	1 5/8 - 12	1 5/8 - 12	27.4	52.3	16.5	57.2	41.3	47.6
JLS-24T-24U	1-1/2	38	1 7/8 - 12	1 7/8 - 12	33.3	59.2	16.5	60.7	47.6	53.9
JLS-32T-32U	2	50	2 1/2 - 12	2 1/2 - 12	45.2	77.7	16.5	73.4	63.5	69.8

O-Seal 45° Male Elbow (UNF)

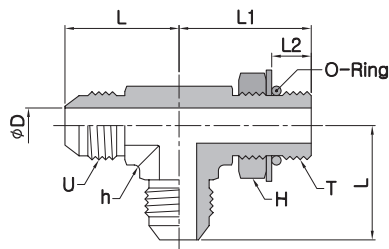
JLBS-U



Part No.	Tube O.D		U (UN / UNF)	T (UN / UNF)	D	L	L1	L2	h (HEX)	H (HEX)
	inch	mm								
JLBS-2T-02U	1/8	3	5/16 - 24	5/16 - 24	1.6	17.5	8.4	22.4	11.1	14.3
JLBS-3T-03U	3/16	4	3/8 - 24	3/8 - 24	3.2	17.5	9.5	22.4	11.1	15.8
JLBS-4T-04U	1/4	6	7/16 - 20	7/16 - 20	4.4	18.3	9.8	26.7	11.1	17.4
JLBS-5T-05U	5/16	8	1/2 - 20	1/2 - 20	6.0	19.6	9.8	26.7	14.3	19.0
JLBS-6T-06U	3/8	10	9/16 - 18	9/16 - 18	7.5	21.1	11.0	29.0	14.3	20.6
JLBS-8T-08U	1/2	12	3/4 - 16	3/4 - 16	9.9	24.9	12.5	33.0	19.0	25.4
JLBS-10T-10U	5/8	16	7/8 - 14	7/8 - 14	12.3	28.2	14.3	38.6	22.2	28.5
JLBS-12T-12U	3/4	18, 20	1 1/16 - 12	1 1/16 - 12	15.5	32.5	16.5	43.9	27.0	34.9
JLBS-14T-14U	7/8	22	1 3/16 - 12	1 3/16 - 12	18.3	36.8	16.5	47.2	33.3	38.1
JLBS-16T-16U	1	25	1 5/16 - 12	1 5/16 - 12	21.4	37.3	16.5	47.2	33.3	41.2
JLBS-20T-20U	1-1/4	32	1 5/8 - 12	1 5/8 - 12	27.4	40.4	16.5	48.5	41.3	47.6
JLBS-24T-24U	1-1/2	38	1 7/8 - 12	1 7/8 - 12	33.3	45.2	16.5	48.5	47.6	53.9
JLBS-32T-32U	2W	50	2 1/2 - 12	2 1/2 - 12	45.2	56.4	16.5	47.2	63.5	69.8

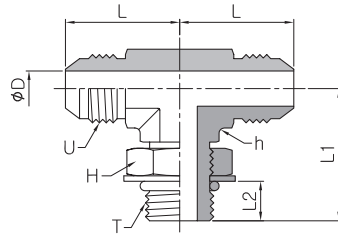
O-Seal Tun Tee (UNF)

JTRS-U



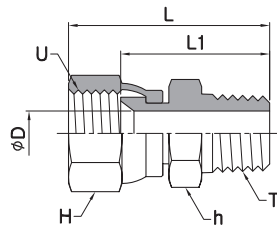
Part No.	Tube O.D		U (UN / UNF)	T (UN / UNF)	D	L	L1	L2	h (HEX)	H (HEX)
	inch	mm								
JTRS-2T-02U	1/8	3	5/16 - 24	5/16 - 24	1.6	19.6	23.9	8.4	11.1	14.3
JTRS-3T-03U	3/16	4	3/8 - 24	3/8 - 24	3.2	21.1	23.9	8.5	11.1	15.8
JTRS-4T-04U	1/4	6	7/16 - 20	7/16 - 20	4.4	22.6	26.2	9.8	11.1	17.4
JTRS-5T-05U	5/16	8	1/2 - 20	1/2 - 20	6.0	24.1	28.7	9.8	14.3	19.0
JTRS-6T-06U	3/8	10	9/16 - 18	9/16 - 18	7.5	26.9	31.8	11.0	14.3	20.6
JTRS-8T-08U	1/2	12	3/4 - 16	3/4 - 16	9.9	31.8	36.8	12.5	19.0	25.4
JTRS-10T-10U	5/8	16	7/8 - 14	7/8 - 14	12.3	36.8	43.2	14.3	22.2	28.5
JTRS-12T-12U	3/4	18, 20	1 1/16 - 12	1 1/16 - 12	15.5	42.2	49.3	16.5	27.0	34.9
JTRS-14T-14U	7/8	22	1 3/16 - 12	1 3/16 - 12	18.3	45.7	50.8	16.5	33.3	38.1
JTRS-16T-16U	1	25	1 5/16 - 12	1 5/16 - 12	21.4	46.0	52.1	16.5	33.3	41.2
JTRS-20T-20U	1-1/4	32	1 5/8 - 12	1 5/8 - 12	27.4	52.3	57.2	16.5	41.3	47.6
JTRS-24T-24U	1-1/2	38	1 7/8 - 12	1 7/8 - 12	33.3	59.2	60.7	16.5	47.6	53.9
JTRS-32T-32U	2	50	2 1/2 - 12	2 1/2 - 12	45.2	77.7	73.4	16.5	63.5	69.8

O-Seal Branch Tee (UNF)

JTBS-U

Part No.	Tube O.D		U (UN / UNF)	T (UN / UNF)	D	L	L1	L2	h (HEX)	H (HEX)
	inch	mm								
JTBS-2T-02U	1/8	3	5/16 - 24	5/16 - 24	1.6	19.6	23.9	8.4	11.1	14.3
JTBS-3T-03U	3/16	4	3/8 - 24	3/8 - 24	3.2	21.1	23.9	8.5	11.1	15.8
JTBS-4T-04U	1/4	6	7/16 - 20	7/16 - 20	4.4	22.6	26.2	9.8	11.1	17.4
JTBS-5T-05U	5/16	8	1/2 - 20	1/2 - 20	6.0	24.1	28.7	9.8	14.3	19.0
JTBS-6T-06U	3/8	10	9/16 - 18	9/16 - 18	7.5	26.9	31.8	11.0	14.3	20.6
JTBS-8T-08U	1/2	12	3/4 - 16	3/4 - 16	9.9	31.8	36.8	12.5	19.0	25.4
JTBS-10T-10U	5/8	16	7/8 - 14	7/8 - 14	12.3	36.8	43.2	14.3	22.2	28.5
JTBS-12T-12U	3/4	18, 20	1 1/16 - 12	1 1/16 - 12	15.5	42.2	49.3	16.5	27.0	34.9
JTBS-14T-14U	7/8	22	1 3/16 - 12	1 3/16 - 12	18.3	45.7	50.8	16.5	33.3	38.1
JTBS-16T-16U	1	25	1 5/16 - 12	1 5/16 - 12	21.4	46.0	52.1	16.5	33.3	41.2
JTBS-20T-20U	1-1/4	32	1 5/8 - 12	1 5/8 - 12	27.4	52.3	57.2	16.5	41.3	47.6
JTBS-24T-24U	1-1/2	38	1 7/8 - 12	1 7/8 - 12	33.3	59.2	60.7	16.5	47.6	53.9
JTBS-32T-32U	2	50	2 1/2 - 12	2 1/2 - 12	45.2	77.7	73.4	16.5	63.5	69.8

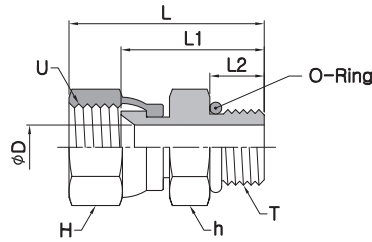
Swivel Connector

JSMC

Part No.	Tube O.D		U (UN / UNF)	T (NPT)	D	L	L1	h (HEX)	H (HEX)
	inch	mm							
JSMC-4T-01N	1/4	6	7/16 - 20	1/8	4.4	28.7	20.0	12.7	14.3
JSMC-6T-02N	3/8	10	9/16 - 18	1/4	7.5	40.4	30.9	15.8	17.4
JSMC-8T-03N	1/2	12	3/4 - 16	3/8	9.9	41.9	32.2	20.6	22.2
JSMC-10T-04N	5/8	16	7/8 - 14	1/2	12.3	52.1	39.4	22.2	25.4
JSMC-12T-06N	3/4	18, 20	1 1/16 - 12	3/4	15.5	54.6	40.3	28.5	31.7
JSMC-16T-08N	1	25	1 5/16 - 12	1	21.4	63.5	48.4	34.9	38.1
JSMC-20T-10N	1-1/4	32	1 5/8 - 12	1-1/4	27.4	70.1	54.2	42.8	50.8
JSMC-24T-12N	1-1/2	38	1 7/8 - 12	1-1/2	33.3	77.5	58.9	50.8	57.1
JSMC32T-16N	2	50	2 1/2 - 12	2	45.2	85.9	62.1	66.6	69.8

O-Seal Swivel Connector (UNF)

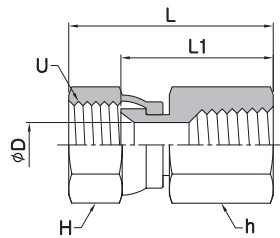
JSMCS-U



Part No.	Tube O.D		U (UN / UNF)	T (UN / UNF)	D	L	L1	L2	h (HEX)	H (HEX)
	inch	mm								
JSMCS-4T-04U	1/4	6	7/16 - 20	7/16 - 20	4.4	33.3	24.6	9.1	14.3	14.3
JSMCS-5T-05U	5/16	8	1/2 - 20	1/2 - 20	6.0	34.3	24.8	9.1	15.8	15.8
JSMCS-6T-06U	3/8	10	9/16 - 18	9/16 - 18	7.5	36.3	26.8	9.9	17.4	17.4
JSMCS-8T-08U	1/2	12	3/4 - 16	3/4 - 16	9.9	40.9	30.2	11.1	22.2	22.2
JSMCS-10T-10U	5/8	16	7/8 - 14	7/8 - 14	12.3	46.7	34.0	12.7	25.4	25.4
JSMCS-12T-12U	3/4	18, 20	1 1/16 - 12	1 1/16 - 12	15.5	52.6	38.3	15.1	31.7	31.7
JSMCS-16T-16U	1	25	1 5/16 - 12	1 5/16 - 12	21.4	57.9	42.8	15.1	38.1	38.1
JSMCS-20T-20U	1-1/4	32	1 5/8 - 12	1 5/8 - 12	27.4	63.2	47.4	15.1	50.8	50.8

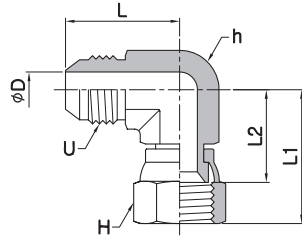
Swivel Female Connector

JSCF



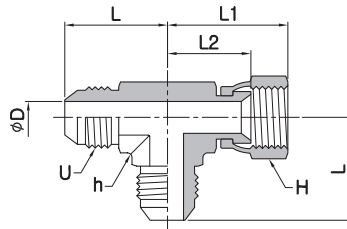
Part No.	Tube O.D		U (UN / UNF)	T (NPT)	D	L	L1	h (HEX)	H (HEX)
	inch	mm							
JSCF-4T-01N	1/4	6	7/16 - 20	1/8	4.4	32.1	23.4	14.3	14.3
JSCF-6T-02N	3/8	10	9/16 - 18	1/4	7.5	36.4	26.9	19.0	17.4
JSCF-8T-03N	1/2	12	3/4 - 16	3/8	9.9	40.7	31.2	22.2	22.2
JSCF-10T-04N	5/8	16	7/8 - 14	1/2	12.3	48.0	37.3	28.5	25.4
JSCF-12T-06N	3/4	18, 20	1 1/16 - 12	3/4	15.5	51.1	38.4	34.9	31.7
JSCF-16T-08N	1	25	1 5/16 - 12	1	21.4	62.1	47.0	41.2	38.1
JSCF-20T-10N	1-1/4	32	1 5/8 - 12	1-1/4	27.4	71.0	55.1	50.8	50.8
JSCF-24T-12N	1-1/2	38	1 7/8 - 12	1-1/2	33.3	76.0	57.4	60.3	57.1
JSCF-32T-16N	2	50	2 1/2 - 12	2	45.2	86.0	62.2	73.0	69.8

Swivel Elbow

JSL

Part No.	Tube O.D		U (UN / UNF)	D	L	L1	L2	h (HEX)	H1(HEX)
	inch	mm							
JSL-2T	1/8	3	5/16 - 24	1.6	19.6	24.6	16.7	11.1	11.1
JSL-3T	3/16	4	3/8 - 24	3.2	21.1	25.4	17.1	11.1	12.7
JSL-4T	1/4	6	7/16 - 20	4.4	22.6	25.4	16.7	11.1	14.2
JSL-5T	5/16	8	1/2 - 20	6.0	24.1	26.9	17.4	14.3	15.8
JSL-6T	3/8	10	9/16 - 18	7.5	26.9	31.8	22.3	14.3	17.4
JSL-8T	1/2	12	3/4 - 16	9.9	31.8	35.1	24.4	19.0	22.2
JSL-10T	5/8	16	7/8 - 14	12.3	36.8	41.1	28.4	22.2	25.4
JSL-12T	3/4	18, 20	1 1/16 - 12	15.5	42.2	44.4	30.1	27.0	31.7
JSL-14T	7/8	22	1 3/16 - 12	18.3	45.7	45.2	30.5	33.3	34.9
JSL-16T	1	25	1 5/16 - 12	21.4	46.0	50.8	35.7	33.3	38.1
JSL-20T	1-1/4	32	1 5/8 - 12	27.4	52.3	58.7	42.8	41.3	50.8
JSL-24T	1-1/2	38	1 7/8 - 12	33.3	59.2	65.8	47.2	47.6	57.1
JSL-32T	2	50	2 1/2 - 12	45.2	77.7	85.9	62.1	63.5	69.8

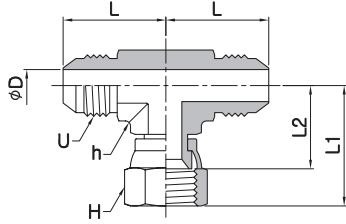
Swivel Run Tee

JSTR

Part No.	Tube O.D		U (UN / UNF)	D	L	L1	L2	h (HEX)	H (HEX)
	inch	mm							
JSTR-2T	1/8	3	5/16 - 24	1.6	19.6	24.6	16.7	11.1	11.1
JSTR-3T	3/16	4	3/8 - 24	3.2	21.1	25.4	17.1	11.1	12.7
JSTR-4T	1/4	6	7/16 - 20	4.4	22.6	25.4	16.7	11.1	14.2
JSTR-5T	5/16	8	1/2 - 20	6.0	24.1	26.9	17.4	14.3	15.8
JSTR-6T	3/8	10	9/16 - 18	7.5	26.9	31.8	22.3	14.3	17.4
JSTR-8T	1/2	12	3/4 - 16	9.9	31.8	35.1	24.4	19.0	22.2
JSTR-10T	5/8	16	7/8 - 14	12.3	36.8	41.1	28.4	22.2	25.4
JSTR-12T	3/4	18, 20	1 1/16 - 12	15.5	42.2	44.4	30.1	27.0	31.7
JSTR-14T	7/8	22	1 3/16 - 12	18.3	45.7	45.2	30.5	33.3	34.9
JSTR-16T	1	25	1 5/16 - 12	21.4	46.0	50.8	35.7	33.3	38.1
JSTR-20T	1-1/4	32	1 5/8 - 12	27.4	52.3	58.7	42.8	41.3	50.8
JSTR-24T	1-1/2	38	1 7/8 - 12	33.3	59.2	65.8	47.2	47.6	57.1
JSTR-32T	2	50	2 1/2 - 12	45.2	77.7	85.9	62.1	63.5	69.8

Swivel Branch Tee

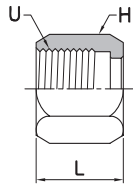
JSTB



Part No.	Tube O.D.		U (UN / UNF)	D	L	L1	L2	h (HEX)	H (HEX)
	inch	mm							
JSTB-2T	1/8	3	5/16 - 24	1.6	19.6	24.6	16.7	11.1	11.1
JSTB-3T	3/16	4	3/8 - 24	3.2	21.1	25.4	17.1	11.1	12.7
JSTB-4T	1/4	6	7/16 - 20	4.4	22.6	25.4	16.7	11.1	14.2
JSTB-5T	5/16	8	1/2 - 20	6.0	24.1	26.9	17.4	14.3	15.8
JSTB-6T	3/8	10	9/16 - 18	7.5	26.9	31.8	22.3	14.3	17.4
JSTB-8T	1/2	12	3/4 - 16	9.9	31.8	35.1	24.4	19.0	22.2
JSTB-10T	5/8	16	7/8 - 14	12.3	36.8	41.1	28.4	22.2	25.4
JSTB-12T	3/4	18, 20	1 1/16 - 12	15.5	42.2	44.4	30.1	27.0	31.7
JSTB-14T	7/8	22	1 3/16 - 12	18.3	45.7	45.2	30.5	33.3	34.9
JSTB-16T	1	25	1 5/16 - 12	21.4	46.0	50.8	35.7	33.3	38.1
JSTB-20T	1-1/4	32	1 5/8 - 12	27.4	52.3	58.7	42.8	41.3	50.8
JSTB-24T	1-1/2	38	1 7/8 - 12	33.3	59.2	65.8	47.2	47.6	57.1
JSTB-32T	2	50	2 1/2 - 12	45.2	77.7	85.9	62.1	63.5	69.8

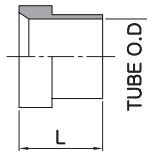
Nut

JN



Sleeve

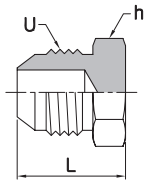
JS



Part No.	Tube O.D.		U (UN / UNF)	L	H (HEX)
	inch	mm			
JN-2T	1/8	-	5/16 - 24	14.0	9.5
JN-3T	3/16	-	3/8 - 24	15.5	11.0
JN-4T	1/4	6	7/16 - 20	15.8	14.3
JN-5T	5/16	8	1/2 - 20	17.3	15.8
JN-6T	3/8	10	9/16 - 18	18.5	17.4
JN-8T	1/2	12	3/4 - 16	21.6	22.2
JN-10T	5/8	16	7/8 - 14	24.9	25.4
JN-12T	3/4	18	1 1/16 - 12	26.2	31.7
JN-20M	-	20	1 1/16 - 12	26.2	31.7
JN-14T	7/8	22	1 3/16 - 12	27.7	34.9
JN-16T	1	25	1 5/16 - 12	28.7	38.1
JN-20T	1-1/4	32	1 5/8 - 12	31.2	50.8
JN-24T	1-1/2	38	1 7/8 - 12	36.1	57.1
JN-32T	2	50	2 1/2 - 12	44.5	73.0

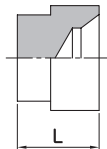
Part No.	Tube O.D.		L	Part No.	Tube O.D.		L
	inch	mm			metric	mm	
JS-2T	1/8	8.6	8.6	JS-3M	3	8.6	
JS-3T	3/16	8.6	8.6	JS-4M	4	8.6	
JS-4T	1/4	10.4	10.4	JS-6M	6	10.4	
JS-5T	5/16	11.2	11.2	JS-8M	8	11.2	
JS-6T	3/8	12.7	12.7	JS-10M	10	12.7	
JS-8T	1/2	14.2	14.2	JS-12M	12	14.2	
JS-10T	5/8	16.8	16.8	JS-16M	16	16.8	
JS-12T	3/4	17.3	17.3	JS-18M	18	17.3	
JS-14T	7/8	19.3	19.3	JS-20M	20	17.3	
JS-16T	1	19.8	19.8	JS-22M	22	19.3	
JS-20T	1-1/4	23.1	23.1	JS-25M	25	19.8	
JS-24T	1-1/2	28.4	28.4	JS-32M	32	23.1	
JS-32T	2	30.2	30.2	JS-38M	38	28.4	

Plug
JP



Part No.	Tube O.D.		U (UN / UNF)	L	H (HEX)
	inch	mm			
JP-2T	1/8	3	5/16 - 24	17.8	11.1
JP-3T	3/16	4	3/8 - 24	18.5	11.1
JP-4T	1/4	6	7/16 - 20	20.3	12.7
JP-5T	5/16	8	1/2 - 20	20.3	14.2
JP-6T	3/8	10	9/16 - 18	21.3	15.8
JP-8T	1/2	12	3/4 - 16	23.9	20.6
JP-10T	5/8	16	7/8 - 14	27.9	23.8
JP-12T	3/4	18, 20	1 1/16 - 12	32.5	28.5
JP-14T	7/8	22	1 3/16 - 12	33.3	31.7
JP-16T	1	25	1 5/16 - 12	33.8	34.9
JP-20T	1-1/4	32	1 5/8 - 12	36.8	46.0
JP-24T	1-1/2	38	1 7/8 - 12	41.9	50.8
JP-32T	2	50	2 1/2 - 12	52.1	70.0

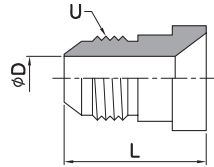
Cap
JCA



Part No.	Tube O.D.		L
	inch	mm	
JCA-2T	1/8	3	9.5
JCA-3T	3/16	4	9.5
JCA-4T	1/4	6	8.7
JCA-5T	5/16	8	10.3
JCA-6T	3/8	10	11.9
JCA-8T	1/2	12	13.5
JCA-10T	5/8	16	13.5
JCA-12T	3/4	18, 20	16.7
JCA-14T	7/8	22	15.9
JCA-16T	1	25	15.9
JCA-20T	1-1/4	32	19.1
JCA-24T	1-1/2	38	23.8
JCA-32T	2	50	30.1

Fitting Port Reducer

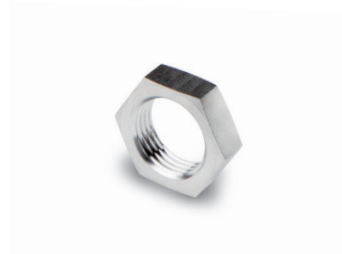
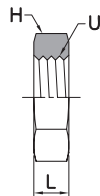
JPR



Part No.	Tube O.D		U (UN / UNF)	D	L
	inch	mm			
JPR-6T-4T	3/8 x 1/4		7/16 - 20	4.4	24.6
JPR-8T-4T	1/2 x 1/4		7/16 - 20	4.4	25.4
JPR-8T-6T	1/2 x 3/8		9/16 - 18	7.5	25.4
JPR-10T-4T	5/8 x 1/4		7/16 - 20	4.4	26.2
JPR-10T-6T	5/8 x 3/8		9/16 - 18	7.5	26.2
JPR-12T-4T	3/4 x 1/4		7/16 - 20	4.4	27.7
JPR-12T-6T	3/4 x 3/8		9/16 - 18	7.5	27.7
JPR-12T-8T	3/4 x 1/2		3/4 - 16	10.0	30.2
JPR-16T-12T	1 x 3/4		1 1/16 - 12	15.5	37.3
JPR-20T-12T	1-1/4 x 3/4		1 1/16 - 12	15.5	38.3
JPR-20T-16T	1-1/4 x 1		1 5/16 - 12	21.4	40.3
JPR-24T-20T	1-1/2 x 1-1/4		1 5/8 - 12	27.4	42.9

Bulkhead Lock Nut

JLN



Part No.	Tube O.D		U (UN / UNF)	L	H (HEX)
	inch	mm			
JLN-2T	1/8	3	5/16 - 24	5.6	14.3
JLN-3T	3/16	4	3/8 - 24	5.6	15.8
JLN-4T	1/4	6	7/16 - 20	7.1	17.4
JLN-5T	5/16	8	1/2 - 20	7.1	19.0
JLN-6T	3/8	10	9/16 - 18	6.9	20.6
JLN-8T	1/2	12	3/4 - 16	7.9	25.4
JLN-10T	5/8	16	7/8 - 14	9.1	28.5
JLN-12T	3/4	18, 20	1 1/16 - 12	10.4	34.9
JLN-14T	7/8	22	1 3/16 - 12	10.4	38.1
JLN-16T	1	25	1 5/16 - 12	10.4	41.2
JLN-20T	1-1/4	32	1 5/8 - 12	10.4	47.6
JLN-24T	1-1/2	38	1 7/8 - 12	10.4	53.9
JLN-32T	2	50	2 1/2 - 12	10.4	69.8