

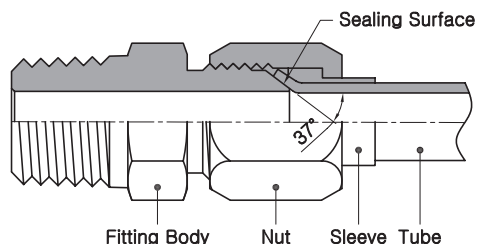
37° Flare Fittings (SAE J514)

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04

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

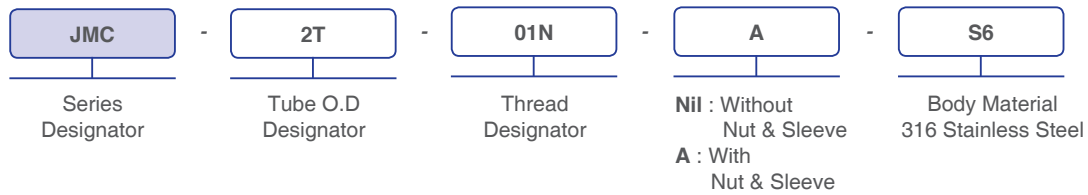
Materials / Material designator	Body		Nut & Sleeve	Applicable Tubing Spec.
	Bar Stock	Forging		
Stainless Steel 316 (316L) / S6	ASTM A276/A479 Type 316 (316L)	ASTM A182 F316 (F316L)	ASTM A276/A479 Type 316 (316L)	ASTM A269/A213
Carbon Steel / CS	ASTM A108	ASTM A105	ASTM A108	ASTM A179/A161

Working Pressure Ratings

Nominal SAE 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	300	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	2500	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 Type	Symbol	Tube O.D Size												
		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
inch	T	2T	3T	4T	5T	6T	8T	10T	12T	14T	16T	20T	24T	32T

Tube Type	Symbol	Tube O.D Size												
		3	4	6	8	10	12	16	18	20	22	25	32	38
Metric	M	3M	4M	6M	8M	10M	12M	16M	18M	20M	22M	25M	32M	38M

Pipe Thread Designators

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

Unified Thread Designators

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

Tube to Tube Union

Union

JU



162

Union Elbow

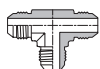
JL



162

Union Tee

JT



163

Union Cross

JX



163

Bulkhead Union

JUB



164

Weld Bulkhead Union

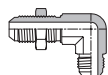
JUBW



164

Bulkhead Union Elbow

JBL



165

Tube to Male Pipe

Male Connector

JMC



165

Male Elbow

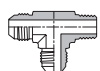
JLM



166

Male Elbow

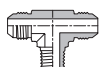
JTRM



166

Male Branch Tee

JTBM



167

45° Male Elbow

JLBM



167

Tube to Female Pipe

Female Connector

JCF



168

Bulkhead Female Connector

JCBF



168

Female Elbow

JLJF



169

Female Run Tee

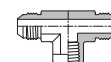
JTRF



169

Female Branch Tee

JTBF



170

Tube to Straight Thread

O-Seal Male Connector (PF)

JMCS-G



170

O-Seal Male Connector (UNF)

JMCS-U



171

O-Seal Male Elbow (UNF)

JLS-U



171

O-Seal 45° Male Elbow (UNF)

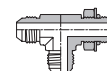
JLBS-U



172

O-Seal Run Tee (UNF)

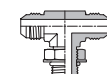
JTRS-U



172

O-Seal Branch Tee (UNF)

JTBS-U



173

Swivel Fittings

Swivel Connector

JSMC

173

O-Seal Swivel Connector (UNF)

JSMCS-U

174

Swivel Female Connector

JSCF

174

Swivel Elbow

JSL

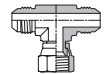
175

Swivel Run Tee

JSTR

175

Swivel Branch Tee

JSTB

176

Spare Parts

Nut

JN

176

Sleeve

JS

176

Plug

JP

177

Cap

JCA

177

Fitting Port Reducer

JPR

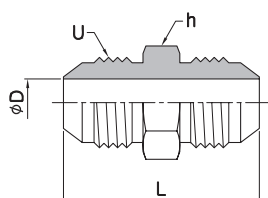
178

Bulkhead Lock Nut

JLN

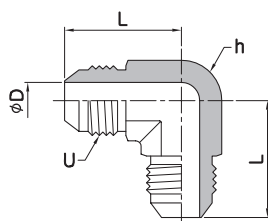
178

Union
JU



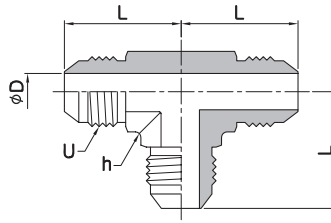
Part No.	Tube O.D		U (UN / UNF)	D	L	h (HEX)
	inch	mm				
JU-2T	1/8	3	5/16 - 24	1.6	29.7	11.1
JU-3T	3/16	4	3/8 - 24	3.2	31.2	11.1
JU-4T	1/4	6	7/16 - 20	4.4	34.8	12.7
JU-5T	5/16	8	1/2 - 20	6.0	34.8	14.3
JU-6T	3/8	10	9/16 - 18	7.5	35.8	15.8
JU-8T	1/2	12	3/4 - 16	9.9	41.1	20.6
JU-10T	5/8	16	7/8 - 14	12.3	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



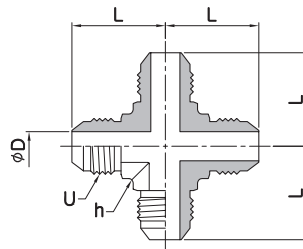
Part No.	Tube O.D		U (UN / UNF)	D	L	h (HEX)
	inch	mm				
JL-2T	1/8	3	5/16 - 24	1.6	19.6	11.1
JL-3T	3/16	4	3/8 - 24	3.2	21.1	11.1
JL-4T	1/4	6	7/16 - 20	4.4	22.6	11.1
JL-5T	5/16	8	1/2 - 20	6.0	24.1	14.3
JL-6T	3/8	10	9/16 - 18	7.5	26.9	14.3
JL-8T	1/2	12	3/4 - 16	9.9	31.8	19.0
JL-10T	5/8	16	7/8 - 14	12.3	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

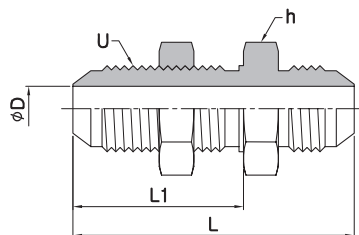
Union Cross

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

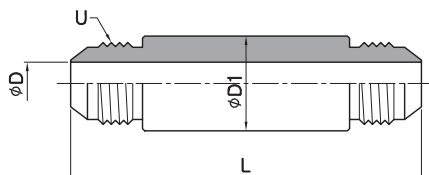
JUB



Part No.	Tube O.D		U (UN / UNF)	D	L	L1	h (HEX)
	inch	mm					
JUB-2T	1/8	3	5/16 - 24	1.6	47.5	28.2	11.1
JUB-3T	3/16	4	3/8 - 24	3.2	48.3	28.2	11.1
JUB-4T	1/4	6	7/16 - 20	4.4	52.6	30.5	12.7
JUB-5T	5/16	8	1/2 - 20	6.0	52.6	30.5	14.3
JUB-6T	3/8	10	9/16 - 18	7.5	55.4	32.5	15.8
JUB-8T	1/2	12	3/4 - 16	9.9	62.0	36.6	20.6
JUB-10T	5/8	16	7/8 - 14	12.3	69.6	40.1	23.8
JUB-12T	3/4	18, 20	1 1/16 - 12	15.5	78.5	44.4	28.5
JUB-14T	7/8	22	1 3/16 - 12	18.3	79.2	44.4	31.7
JUB-16T	1	25	1 5/16 - 12	21.4	79.8	44.4	34.9
JUB-20T	1-1/4	32	1 5/8 - 12	27.4	84.1	45.7	42.8
JUB-24T	1-1/2	38	1 7/8 - 12	33.3	89.4	46.0	50.8
JUB-32T	2	50	2 1/2 - 12	45.2	106.7	53.1	66.7

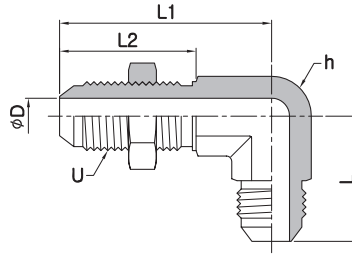
Weld Bulkhead Union

JUBW



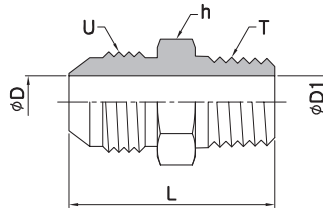
Part No.	Tube O.D		U (UN / UNF)	D	D1	L
	inch	mm				
JUBW-2T	1/8	3	5/16 - 24	1.6	11.0	70.0
JUBW-3T	3/16	4	3/8 - 24	3.2	11.0	70.0
JUBW-4T	1/4	6	7/16 - 20	4.4	14.0	80.0
JUBW-5T	5/16	8	1/2 - 20	6.0	16.0	100.0
JUBW-6T	3/8	10	9/16 - 18	7.5	17.0	100.0
JUBW-8T	1/2	12	3/4 - 16	9.9	22.0	100.0
JUBW-10T	5/8	16	7/8 - 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)
	inch	mm						
JBL-2T	1/8	3	5/16 - 24	1.6	22.4	38.1	23.4	11.1
JBL-3T	3/16	4	3/8 - 24	3.2	23.9	38.1	23.4	11.1
JBL-4T	1/4	6	7/16 - 20	4.4	24.6	40.4	25.9	11.1
JBL-5T	5/16	8	1/2 - 20	6.0	26.9	43.7	25.9	14.3
JBL-6T	3/8	10	9/16 - 18	7.5	27.7	46.0	27.7	14.3
JBL-8T	1/2	12	3/4 - 16	9.9	34.5	53.6	31.8	19.0
JBL-10T	5/8	16	7/8 - 14	12.3	39.6	60.7	35.3	22.2
JBL-12T	3/4	18, 20	1 1/16 - 12	15.5	45.2	67.8	39.6	27.0
JBL-14T	7/8	22	1 3/16 - 12	18.3	48.8	71.1	39.6	33.3
JBL-16T	1	25	1 5/16 - 12	21.4	49.3	71.1	39.6	33.3
JBL-20T	1-1/4	32	1 5/8 - 12	27.4	55.1	79.2	40.9	41.3
JBL-24T	1-1/2	38	1 7/8 - 12	33.3	59.4	86.9	41.1	47.6
JBL-32T	2	50	2 1/2 - 12	45.2	73.4	104.4	48.5	63.5

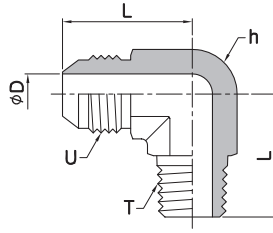
Male Connector

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	42.8
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	66.7

Male Elbow

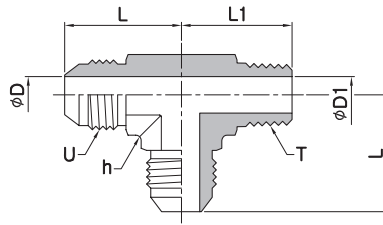
JLM



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

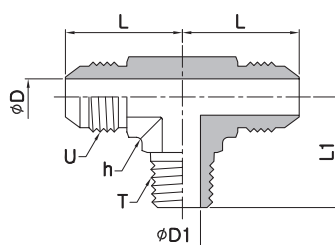
Male Run Tee

JTRM



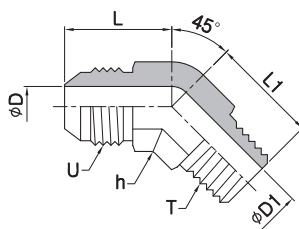
Part No.	Tube O.D		U (UN / UNF)	T (NPT)	D	D1	L	L1	h (HEX)
	inch	mm							
JTRM-2T-01N	1/8	3	5/16 - 24	1/8	1.6	4.8	19.6	18.3	11.1
JTRM-3T-01N	3/16	4	3/8 - 24	1/8	3.2	4.8	21.1	18.3	11.1
JTRM-4T-01N	1/4	6	7/16 - 20	1/8	4.4	4.8	22.6	19.8	11.1
JTRM-5T-01N	5/16	8	1/2 - 20	1/8	6.0	4.8	24.1	19.8	14.3
JTRM-6T-02N	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

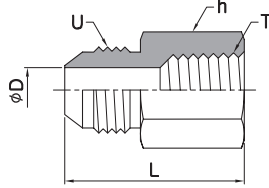
45° Male Elbow

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

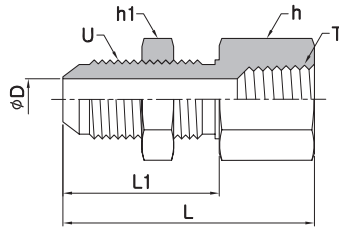
JCF



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

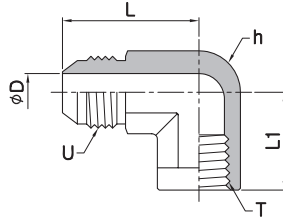
Bulkhead Female Connector

JCBF



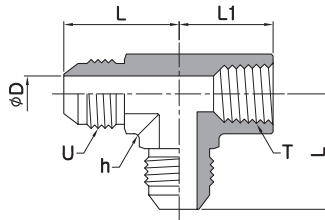
Part No.	Tube O.D.		U (UN / UNF)	T (NPT)	D	L	L1	h (HEX)	h1 (HEX)
	inch	mm							
JCBF-2T-01N	1/8	3	5/16 - 24	1/8	1.6	41.2	28.2	14.3	14.3
JCBF-3T-01N	3/16	4	3/8 - 24	1/8	3.2	41.2	28.2	14.3	15.8
JCBF-4T-01N	1/4	6	7/16 - 20	1/8	4.4	46.7	30.5	14.3	17.4
JCBF-5T-01N	5/16	8	1/2 - 20	1/8	6.0	43.5	30.5	14.3	19.0
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

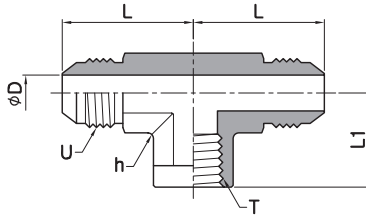
Part No.	Tube O.D		U (UN / UNF)	T (NPT)	D	L	L1	h (HEX)
	inch	mm						
JLF-2T-01N	1/8	3	5/16 - 24	1/8	1.6	25.4	16.8	14.3
JLF-3T-01N	3/16	4	3/8 - 24	1/8	3.2	26.2	16.8	14.3
JLF-4T-01N	1/4	6	7/16 - 20	1/8	4.4	27.4	16.8	14.3
JLF-5T-01N	5/16	8	1/2 - 20	1/8	6.0	27.4	16.8	14.3
JLF-6T-02N	3/8	10	9/16 - 18	1/4	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

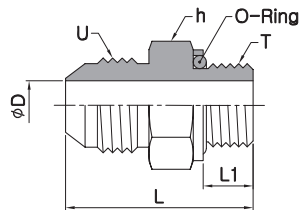
Part No.	Tube O.D		U (UN / UNF)	T (NWPT)	D	L	L1	h (HEX)
	inch	mm						
JTRF-2T-01N	1/8	3	5/16 - 24	1/8	1.6	25.4	16.8	14.3
JTRF-3T-01N	3/16	4	3/8 - 24	1/8	3.2	26.2	16.8	14.3
JTRF-4T-01N	1/4	6	7/16 - 20	1/8	4.4	27.4	16.8	14.3
JTRF-5T-01N	5/16	8	1/2 - 20	1/8	6.0	27.4	16.8	14.3
JTRF-6T-02N	3/8	10	9/16 - 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


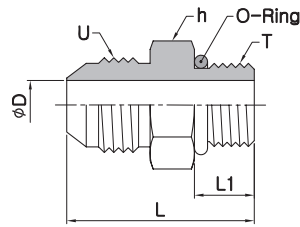
Part No.	Tube O.D		U (UN / UNF)	T (NPT)	D	L	L1	h (HEX)
	inch	mm						
JTBF-2T-01N	1/8	3	5/16 - 24	1/8	1.6	25.4	16.8	14.3
JTBF-3T-01N	3/16	4	3/8 - 24	1/8	3.2	26.2	16.8	14.3
JTBF-4T-01N	1/4	6	7/16 - 20	1/8	4.4	27.4	16.8	14.3
JTBF-5T-01N	5/16	8	1/2 - 20	1/8	6.0	27.4	16.8	14.3
JTBF-6T-02N	3/8	10	9/16 - 18	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


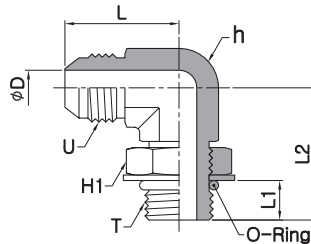
Part No.	Tube O.D		U (UN / UNF)	T (PF)	D	L	L1	h (HEX)
	inch	mm						
JMCS-4T-01G	1/4	6	7/16 - 20	1/8	4.4	28.7	6.2	17.0
JMCS-5T-01G	5/16	8	1/2 - 20	1/8	6.0	28.7	6.2	17.0
JMCS-6T-02G	3/8	10	9/16 - 18	1/4	7.5	32.0	9.3	19.1
JMCS-8T-03G	1/2	12	3/4 - 16	3/8	9.9	36.0	9.3	22.2
JMCS-10T-04G	5/8	16	7/8 - 14	1/2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

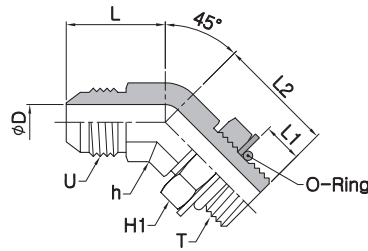
O-seal Male Elbow (UNF)

JLS-U

Part No.	Tube O.D		U (UN / UNF)	T (UN / UNF)	D	L	L1	L2	h (HEX)	H1 (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)

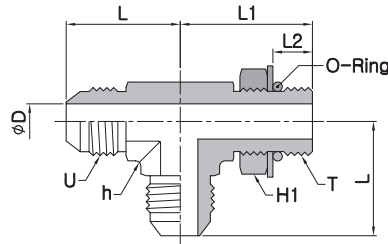
JLBS-U



Part No.	Tube O.D		U (UN / UNF)	T (UN / UNF)	D	L	L1	L2	h (HEX)	H1 (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

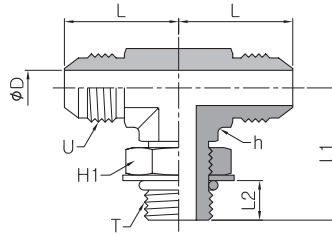
O-Seal Tee (UNF)

JTRS-U



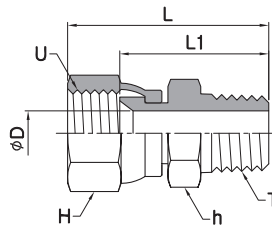
Part No.	Tube O.D		U (UN / UNF)	T (UN / UNF)	D	L	L1	L2	h (HEX)	H1 (HEX)
	inch	mm								
JTRS-2T-02U	1/8	3	5/16 - 24	5/16 - 24	1.6	19.6	23.9	8.4	11.1	14.3
JTRS-3T-03U	3/16	4	3/8 - 24	3/8 - 24	3.2	21.1	23.9	8.5	11.1	15.8
JTRS-4T-04U	1/4	6	7/16 - 20	7/16 - 20	4.4	22.6	26.2	9.8	11.1	17.4
JTRS-5T-05U	5/16	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)	H1 (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

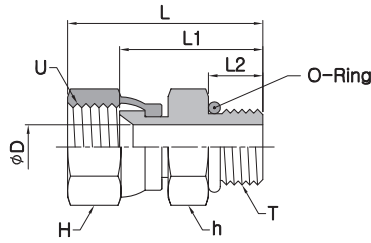
Swivel Connector

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	20.6	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)

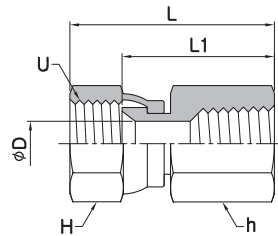
JSMCS-U



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

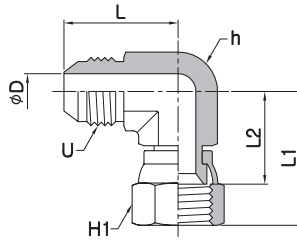
Swivel Female Connector

JSCF



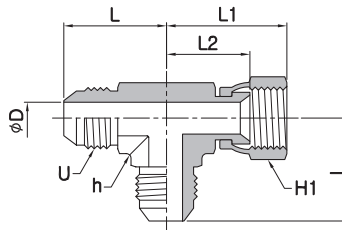
Part No.	Tube O.D		U (UN / UNF)	T (NPT)	D	L	L1	h (HEX)	H (HEX)
	inch	mm							
JSCF-4T-01N	1/4	6	7/16 - 20	1/8	4.4	32.1	23.4	14.3	14.3
JSCF-6T-02N	3/8	10	9/16 - 18	1/4	7.5	36.4	26.9	19.0	17.4
JSCF-8T-03N	1/2	12	3/4 - 16	3/8	9.9	40.7	31.2	22.2	22.2
JSCF-10T-04N	5/8	16	7/8 - 14	1/2	12.3	48.0	37.3	28.5	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

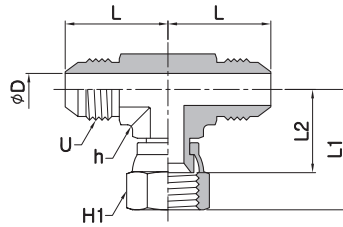
Part No.	Tube O.D		U (UN / UNF)	D	L	L1	L2	h (HEX)	H1 (HEX)
	inch	mm							
JSL-2T	1/8	3	5/16 - 24	1.6	19.6	24.6	16.7	11.1	11.1
JSL-3T	3/16	4	3/8 - 24	3.2	21.1	25.4	17.1	11.1	12.7
JSL-4T	1/4	6	7/16 - 20	4.4	22.6	25.4	16.7	11.1	14.2
JSL-5T	5/16	8	1/2 - 20	6.0	24.1	26.9	17.4	14.3	15.8
JSL-6T	3/8	10	9/16 - 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

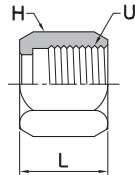
Part No.	Tube O.D		U (UN / UNF)	D	L	L1	L2	h (HEX)	H1 (HEX)
	inch	mm							
JSTR-2T	1/8	3	5/16 - 24	1.6	19.6	24.6	16.7	11.1	11.1
JSTR-3T	3/16	4	3/8 - 24	3.2	21.1	25.4	17.1	11.1	12.7
JSTR-4T	1/4	6	7/16 - 20	4.4	22.6	25.4	16.7	11.1	14.2
JSTR-5T	5/16	8	1/2 - 20	6.0	24.1	26.9	17.4	14.3	15.8
JSTR-6T	3/8	10	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


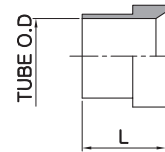
Part No.	Tube O.D		U (UN / UNF)	D	L	L1	L2	h (HEX)	H1 (HEX)
	inch	mm							
JSTB-2T	1/8	3	5/16 - 24	1.6	19.6	24.6	16.7	11.1	11.1
JSTB-3T	3/16	4	3/8 - 24	3.2	21.1	25.4	17.1	11.1	12.7
JSTB-4T	1/4	6	7/16 - 20	4.4	22.6	25.4	16.7	11.1	14.2
JSTB-5T	5/16	8	1/2 - 20	6.0	24.1	26.9	17.4	14.3	15.8
JSTB-6T	3/8	10	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


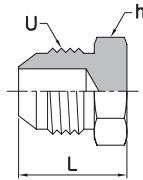
Part No.	Tube O.D		U (UN / UNF)	L	H (HEX)
	inch	mm			
JN-2T	1/8	3	5/16 - 24	14.0	9.5
JN-3T	3/16	4	3/8 - 24	15.5	11.0
JN-4T	1/4	6	7/16 - 20	15.8	14.3
JN-5T	5/16	8	1/2 - 20	17.3	15.8
JN-6T	3/8	10	9/16 - 18	18.5	17.4
JN-8T	1/2	12	3/4 - 16	21.6	22.2
JN-10T	5/8	16	7/8 - 14	24.9	25.4
JN-12T	3/4	18, 20	1 1/16 - 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

Sleeve

JS


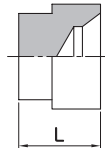
Part No.	Tube O.D		L
	inch	mm	
JS-2T	1/8	3	8.6
JS-3T	3/16	4	8.6
JS-4T	1/4	6	10.4
JS-5T	5/16	8	11.2
JS-6T	3/8	10	12.7
JS-8T	1/2	12	14.2
JS-10T	5/8	16	16.8
JS-12T	3/4	18, 20	17.3
JS-14T	7/8	22	19.3
JS-16T	1	25	19.8
JS-20T	1-1/4	32	23.1
JS-24T	1-1/2	38	28.4
JS-32T	2	50	30.2

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	20.6
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	42.8
JP-24T	1-1/2	38	1 7/8 - 12	41.9	50.8
JP-32T	2	50	2 1/2 - 12	52.1	66.6

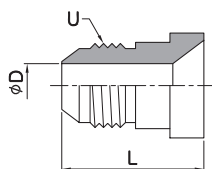
Cap
JCA



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

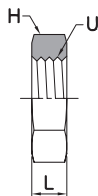
JPR



Part No.	Tube O.D		U (UN / UNF)	D	L
	inch	mm			
JPR-6T-4T	3/8 x 1/4	19.1 x 12.7	7/16 - 20	4.4	24.6
JPR-8T-4T	1/2 x 1/4	25.4 x 12.7	7/16 - 20	4.4	25.4
JPR-8T-6T	1/2 x 3/8	25.4 x 19.1	9/16 - 18	7.5	25.4
JPR-10T-4T	5/8 x 1/4	31.8 x 12.7	7/16 - 20	4.4	26.2
JPR-10T-6T	5/8 x 3/8	31.8 x 19.1	9/16 - 18	7.5	26.2
JPR-12T-4T	3/4 x 1/4	38.1 x 12.7	7/16 - 20	4.4	27.7
JPR-12T-6T	3/4 x 3/8	38.1 x 19.1	9/16 - 18	7.5	27.7
JPR-12T-8T	3/4 x 1/2	38.1 x 25.4	3/4 - 16	10.0	30.2
JPR-16T-12T	1 x 3/4	50.8 x 38.1	1 1/16 - 12	15.5	37.3
JPR-20T-12T	1-1/4 x 3/4	41.3 x 38.1	1 1/16 - 12	15.5	38.3
JPR-20T-16T	1-1/4 x 1	41.3 x 50.8	1 5/16 - 12	21.4	40.3
JPR-24T-20T	1-1/2 x 1-1/4	50.8 x 41.3	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