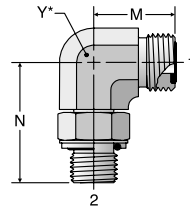


C4OMLO Full Dimensions

Male Elbow – BSPP
(for ISO 1179-1 Port)
ORFS / BSPP-ORR



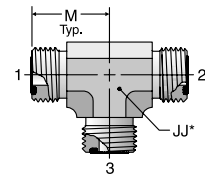
* Y – Across
Wrench Flats

TUBE FITTING PART #	END SIZE			M (mm)	N (mm)	Y (mm)	STANDARD Dynamic Pressure (x 1,000 PSI)	
	1		2					
	(mm)	(in.)	BSPP				S	SS
4C4OMLO	6	1/4	1/8-28	21.5	30	14	4.0	
4-4C4OMLO	6	1/4	1/4-19	23.5	36	19	4.0	
4-6C4OMLO	6	1/4	3/8-19	24.5	38	19	4.0	
6C4OMLO	8,10	3/8	1/4-19	25	36	19	4.0	4.0
6-6C4OMLO	8,10	3/8	3/8-19	26.5	38	19	4.0	
8-4C4OMLO	12	1/2	1/4-19	28	35.5	19	4.0	
8C4OMLO	12	1/2	3/8-19	28	38	19	4.0	
8-8C4OMLO	12	1/2	1/2-14	31	48.5	27	4.0	
8-12C4OMLO	12	1/2	3/4-14	33.5	51.5	30	4.0	
10-6C4OMLO	14,15,16	5/8	3/8-19	33.5	40.5	27	4.0	
10C4OMLO	14,15,16	5/8	1/2-14	33.5	48.5	27	4.0	
10-12C4OMLO	14,15,16	5/8	3/4-14	36	51.5	30	4.0	
10-16C4OMLO	14,15,16	5/8	1-11	39.5	58.5	36		
12-8C4OMLO	18,20	3/4	1/2-14	37.5	49.5	30	4.0	
12C4OMLO	18,20	3/4	3/4-14	37.5	51.5	30	4.0	
12-16C4OMLO	18,20	3/4	1-11	41	58.5	36	4.0	
16-12C4OMLO	22,25	1	3/4-14	41.5	56	36	4.0	
16C4OMLO	22,25	1	1-11	41.5	58.5	36	4.0	
16-20C4OMLO	22,25	1	1 1/4-11	44.5	61	41	3.0	
20-16C4OMLO	28,30,32	1 1/4	1-11	44.5	61	41	4.0	
20C4OMLO	28,30,32	1 1/4	1 1/4-11	44.5	61	41		
20-24C4OMLO	28,30,32	1 1/4	1 1/2-11	49	64.5	50	2.0	
24C4OMLO	35,38	1 1/2	1 1/2-11	49	64.5	50	2.0	

JLO Full Dimensions

Union Tee
ORFS (all three ends)

SAE 520401



* JJ – Across
Wrench Flats

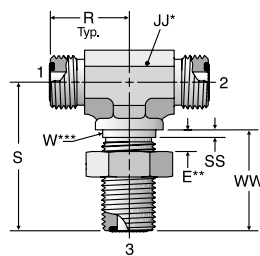
TUBE FITTING PART #	END SIZE		JJ (in.)	M (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)		
	1-3 (in.)	JJ (in.)			M (in.)	-S	-SS
4 JLO	1/4	9/16	0.85	9.2	9.2		
6 JLO	3/8	3/4	0.98	9.2	9.2		
8 JLO	1/2	3/4	1.10	9.2	9.2		
10 JLO	5/8	1 1/16	1.31	6.0	6.0		
12 JLO	3/4	1 3/16	1.47	6.0	6.0		
14 JLO*	7/8	1 5/16	1.63				
16 JLO	1	1 7/16	1.64	6.0	6.0		
20 JLO	1 1/4	1 5/8	1.76	5.0	5.0		
24 JLO	1 1/2	1 7/8	1.92	4.0	4.0		
32 JLO*	2	2 1/2	2.76	3.0			

* Sizes 14 and 32 are not included in SAE J1453.

WJLO Full Dimensions

Bulkhead Branch Tee
ORFS (all three ends)

SAE 520959
WJLO-WLNL - Body with Locknut
(See [page A12](#) for WLNL)



TUBE FITTING PART #	END SIZE		JJ (in.)	R (in.)	S (in.)	SS (in.)	W DIA (in.)	WW (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)	
	1-3	E MAX (in.)								
	(in.)								-S	-SS
4 WJLO	1/4	0.53	9/16	0.89	1.85	0.06	0.56	1.24	9.2	
6 WJLO	3/8	0.53	3/4	1.02	2.05	0.06	0.69	1.34	9.2	
8 WJLO	1/2	0.53	3/4	1.14	2.18	0.06	0.81	1.44	9.2	
10 WJLO	5/8	0.52	1 1/16	1.36	2.48	0.06	1.00	1.60	6.0	
12 WJLO	3/4	0.50	1 3/16	1.52	2.64	0.06	1.19	1.64	6.0	
16 WJLO	1	0.51	1 7/16	1.67	2.80	0.06	1.44	1.66	6.0	

* JJ – Across wrench flats.

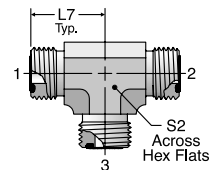
** E – Maximum bulkhead thickness.

*** W – Bulkhead pilot diameter. Recommended clearance hole is W + 0.015".

JMLO Full Dimensions

Union Tee – mm Hex
ORFS (all three ends)

ISO 8434-3 T
SAE 52M0401



* S2 – Across
Hex Flats

TUBE FITTING PART #	END SIZE		L7 (mm)	S2 (mm)	STANDARD Dynamic Pressure (x 1,000 PSI)	
					S	SS
	1-3					
	(mm)	(in.)				
4JMLO	6	1/4	21.5	14	9.2	
6JMLO	8,10	3/8	25	19	9.2	
8JMLO	12	1/2	28	19	9.2	
10JMLO	14,15,16	5/8	33.5	27	6.0	
12JMLO	18,20	3/4	37.5	30	6.0	
16JMLO	22,25	1	41.5	36	6.0	
20JMLO	28,30,32	1 1/4	44.5	41	5.0	
24JMLO	35,38	1 1/2	49	50	4.0	

Dimensions and pressures for reference only, subject to change.