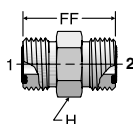


HLO Full Dimensions

Union
ORFS / ORFS

SAE 520101



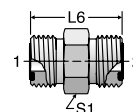
TUBE FITTING PART #	END SIZE		FF (in.)	H HEX (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)	
	1 (in.)	2 (in.)			-S	-SS
4 HLO	1/4	1/4	1.08	5/8	9.2	9.2
6 HLO	3/8	3/8	1.22	3/4	9.2	9.2
6-4 HLO	3/8	1/4	1.17	3/4	9.2	
8 HLO	1/2	1/2	1.39	7/8	9.2	9.2
8-6 HLO	1/2	3/8	1.33	7/8	9.2	
10 HLO	5/8	5/8	1.68	1 1/16	6.0	6.0
10-8 HLO	5/8	1/2	1.57	1 1/16	6.0	
12 HLO	3/4	3/4	1.85	1 1/4	6.0	6.0
12-10 HLO	3/4	5/8	1.80	1 1/4	6.0	
14 HLO*	7/8	7/8	1.87	1 3/8		
16 HLO	1	1	1.94	1 1/2	6.0	6.0
16-12 HLO	1	3/4	1.92	1 1/2	6.0	
20 HLO	1 1/4	1 1/4	2.02	1 3/4	6.0	
24 HLO	1 1/2	1 1/2	2.09	2 1/8	5.0	5.0
32 HLO*	2	2	2.87	2 3/4	3.0	

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

HMLO Full Dimensions

Union – mm Hex
ORFS / ORFS

ISO 8434-3 S
SAE 52M0101

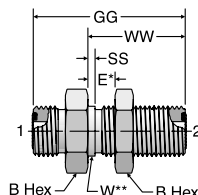


TUBE FITTING PART #	END SIZE		L6 (mm)	S1 HEX (mm)	STANDARD Dynamic Pressure (x 1,000 PSI)	
	1 & 2				S	SS
	(mm)	(in.)				
4HMLO	6	1/4	27.5	14	9.2	
6HMLO	8,10	3/8	31	19	9.2	
8HMLO	12	1/2	35.5	22	9.2	
10HMLO	14,15,16	5/8	42.5	27	6.0	
12HMLO	18,20	3/4	47	32	6.0	
16HMLO	22,25	1	49.5	41	6.0	
20HMLO	28,30,32	1 1/4	51.5	46	6.0	
24HMLO	35,38	1 1/2	53	55	5.0	

WLO Full Dimensions

Bulkhead Union
ORFS / ORFS

SAE 520601
WLO-WLNL Body with Locknut
(See [page A12](#) for WLNL)



TUBE FITTING PART #	END SIZE (in.)	B HEX (in.)	E MAX (in.)	GG (in.)	SS (in.)	W DIA (in.)	WW (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)	
								-S	-SS
4 WLO	1/4	13/16	0.53	1.90	0.06	0.56	1.24	9.2	9.2
6 WLO	3/8	1	0.53	2.09	0.06	0.69	1.34	9.2	9.2
8 WLO	1/2	1 1/8	0.53	2.30	0.06	0.81	1.44	9.2	9.2
10 WLO	5/8	1 5/16	0.52	2.62	0.06	1.00	1.60	6.0	
12 WLO	3/4	1 1/2	0.50	2.72	0.06	1.19	1.64	6.0	6.0
14 WLO	7/8	1 5/8	0.51	2.76	0.06	1.31	1.66		
16 WLO	1	1 3/4	0.51	2.76	0.06	1.44	1.66	6.0	6.0
20 WLO	1 1/4	2	0.51	2.76	0.06	1.69	1.66	6.0	
24 WLO	1 1/2	2 3/8	0.51	2.76	0.06	2.00	1.66	5.0	

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

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

Dimensions and pressures for reference only, subject to change.

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