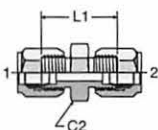


LHBULarge Hex Union
Flareless / Flareless

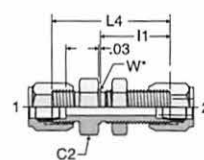
SAE 080119



TUBE FITTING PART #	END SIZE		C2 HEX (in.)	L1 (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)	
	1	2			-S	-SS
	(in.)	(in.)				
4 LHBU	1/4	1/4	11/16	1.19	6.0	6.0
6 LHBU	3/8	3/8	13/16	1.23	6.0	6.0
6-4 LHBU	3/8	1/4	13/16	1.22		6.0
8 LHBU	1/2	1/2	1	1.42	5.0	5.0
8-6 LHBU	1/2	1/2	1	1.33		5.0
10 LHBU	5/8	5/8	1 1/8	1.61	5.0	
12 LHBU	3/4	3/4	1 3/8	1.81	4.5	4.5
16 LHBU	1	1	1 5/8	1.81	4.0	

WBUBulkhead Union
Flareless / Flareless

SAE 080601

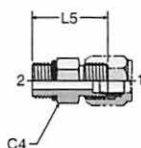


* W – Bulkhead pilot dia.
recommended clearance
hole is +.015 over W dia.

TUBE FITTING PART #	END SIZE		C2 HEX (in.)	I1 (in.)	L4 (in.)	W (in.)	Max. Bulkhead Thickness	STANDARD Dynamic Pressure (x 1,000 PSI)	
	1	2						-S	-SS
	(in.)	(in.)							
4 WBU	1/4	1/4	11/16	1.12	1.89	0.44	0.38	6.0	6.0
6 WBU	3/8	3/8	13/16	1.17	1.98	0.56	0.40	6.0	6.0
8 WBU	1/2	1/2	1	1.31	2.22	0.75	0.40	5.0	5.0
10 WBU	5/8	5/8	1 1/8	1.45	2.48	0.88	0.37	5.0	
12 WBU	3/4	3/4	1 3/8	1.56	2.72	1.06	0.43	4.5	4.5
16 WBU	1	1	1 5/8	1.56	2.72	1.31	0.43	4.0	

F5BUStraight Thread Connector
Flareless / SAE-ORB

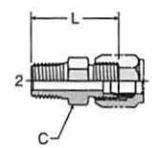
SAE 080120



TUBE FITTING PART #	END SIZE		C4 HEX (in.)	L5 (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)	
	1	2			-S	-SS
	(in.)	UN/UNF-2A				
2 F5BU	1/8	5/16-24	7/16	1.00	5.0	
3 F5BU	3/16	3/8-24	1/2	1.05	5.0	5.0
4 F5BU	1/4	7/16-20	9/16	1.13	5.0	5.0
4-5 F5BU	1/4	1/2-20	5/8	1.13	5.0	5.0
4-6 F5BU	1/4	9/16-18	11/16	1.20	5.0	5.0
4-10 F5BU	1/4	7/8-14	1	1.40		5.0
5 F5BU	5/16	1/2-20	5/8	1.13	5.0	
6 F5BU	3/8	9/16-18	11/16	1.22	5.0	5.0
6-4 F5BU	3/8	7/16-20	5/8	1.19		
6-8 F5BU	3/8	3/4-16	7/8	1.28	5.0	5.0
8 F5BU	1/2	3/4-16	7/8	1.38	5.0	5.0
8-6 F5BU	1/2	9/16-18	13/16	1.28	5.0	
8-10 F5BU	1/2	7/8-14	1	1.50	5.0	5.0
8-12 F5BU	1/2	1 1/16-12	1 1/4	1.67	4.5	4.5
10 F5BU	5/8	7/8-14	1	1.56	5.0	5.0
10-12 F5BU	5/8	1 1/16-12	1 1/4	1.73		
12 F5BU	3/4	1 1/16-12	1 1/4	1.78	4.5	4.5
12-8 F5BU	3/4	3/4-16	1 1/8	1.75	4.5	4.5
12-16 F5BU	3/4	1 5/16-12	1 1/2	1.81	4.0	
16 F5BU	1	1 5/16-12	1 1/2	1.81	4.0	4.0
16-12 F5BU	1	1 1/16-12	1 3/8	1.81	4.0	
16-20 F5BU	1	1 5/8-12	1 7/8	1.91	3.0	
20 F5BU	1 1/4	1 5/8-12	1 7/8	1.91	3.0	3.0
24 F5BU	1 1/2	1 7/8-12	2 1/8	1.97	3.0	3.0
32 F5BU	2	2 1/2-12	2 3/4	2.13	2.0	

FBUMale Connector
Flareless / NPTF

SAE 080102



TUBE FITTING PART #	END SIZE		C HEX (in.)	L (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)	
	1	2			-S	-SS
	(in.)	NPTF				
2 FBU	1/8	1/8-27	7/16	1.04	5.0	5.0
2-4 FBU	1/8	1/4-18	9/16	1.24	5.0	5.0
3 FBU	3/16	1/8-27	7/16	1.09	5.0	5.0
4 FBU	1/4	1/8-27	1/2	1.12	5.0	5.0
4-4 FBU	1/4	1/4-18	9/16	1.32	5.0	5.0
4-6 FBU	1/4	3/8-18	3/4	1.33	5.0	5.0
4-8 FBU	1/4	1/2-14	7/8	1.58	5.0	5.0
5 FBU	5/16	1/8-27	9/16	1.12	5.0	5.0
5-4 FBU	5/16	1/4-18	9/16	1.32	5.0	5.0
6 FBU	3/8	1/4-18	5/8	1.34	5.0	5.0
6-2 FBU	3/8	1/8-27	5/8	1.15	5.0	5.0
6-6 FBU	3/8	3/8-18	3/4	1.35	5.0	5.0
6-8 FBU	3/8	1/2-14	15/16	1.60	5.0	5.0
8 FBU	1/2	3/8-18	13/16	1.44	5.0	5.0
8-4 FBU	1/2	1/4-18	13/16	1.44	5.0	5.0
8-8 FBU	1/2	1/2-14	7/8	1.69	5.0	5.0
8-12 FBU	1/2	3/4-14	1 1/8	1.76	4.0	4.0
10 FBU	5/8	1/2-14	15/16	1.75	4.5	4.5
10-6 FBU	5/8	3/8-18	15/16	1.56	4.5	4.5
10-12 FBU	5/8	3/4-14	1 1/8	1.82	4.0	
12 FBU	3/4	3/4-14	1 1/8	1.88	4.0	4.0
12-8 FBU	3/4	1/2-14	1 1/8	1.88	4.0	4.0
14 FBU	7/8	3/4-14	1 1/4	1.88	3.0	
16 FBU	1	1-11 1/2	1 3/8	2.07	3.0	3.0
16-12 FBU	1	3/4-14	1 3/8	1.88	3.0	3.0
20 FBU	1 1/4	1 1/4-11 1/2	1 11/16	2.18	2.5	2.5
24 FBU	1 1/2	1 1/2-11 1/2	2	2.28	2.5	2.5
32 FBU	2	2-11 1/2	2 3/4	2.46	2.0	2.0

Dimensions and pressures for reference only, subject to change.