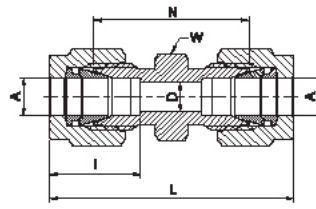


UNION



TUBE (METRIC) TO TUBE (METRIC)											
A Tube O.D.		D		W Hex. flat		N		L		I	
mm		mm		mm		mm		mm		mm	
2		1.7		12		22.4		35.6		12.9	
3		2.4		12		22.1		35.3		12.9	
4		2.4		12		24.1		37.3		13.7	
6		4.8		14		26.2		41.0		15.3	
8		6.4		15		28.2		43.2		16.2	
10		7.9		18		31.0		46.2		17.2	
12		9.5		22		31.0		51.2		22.8	
14		11.1		24		31.8		52.0		24.4	
15		11.9		24		31.8		52.0		24.4	
16		12.7		24		31.8		52.0		24.4	
18		15.1		27		33.3		53.5		24.4	
20		15.9		30		34.8		55.0		26.0	
22		18.3		30		34.8		55.0		26.0	
25		21.8		35		40.4		65.0		31.3	
28		21.8		41		43.4		85.0		36.6	
32		28.6		46		51.3		97.3		42.0	
38		33.7		55		58.4		113.6		49.4	
42		36.0		55		64.0		126.2		55.1	

TUBE (INCH) TO TUBE (INCH)											
A Tube O.D.		D		W Hex. flat		N		L		I	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1/16	1.58	0.05	1.27	5/16	7.9	0.69	17.52	0.99	25.14	0.34	8.6
1/8	3.17	0.09	2.28	7/16	11.1	0.88	22.35	1.40	35.56	0.50	12.7
3/16	4.76	0.12	3.04	7/16	11.1	0.95	24.13	1.47	37.33	0.54	13.7
1/4	6.35	0.19	4.82	1/2	12.7	1.03	26.16	1.61	40.89	0.60	15.3
5/16	7.93	0.25	6.35	9/16	14.3	1.11	28.2	1.69	42.90	0.64	16.3
3/8	9.52	0.28	7.11	5/8	15.9	1.19	30.22	1.77	44.95	0.66	16.9
1/2	12.70	0.41	10.41	13/16	20.6	1.22	30.98	2.02	51.30	0.90	22.9
5/8	15.87	0.50	12.70	15/16	23.8	1.25	31.75	2.05	52.07	0.96	24.4
3/4	19.05	0.62	15.74	1-1/16	27.0	1.31	33.27	2.11	53.59	0.96	24.5
7/8	22.22	0.72	18.28	1-3/16	30.2	1.38	35.05	2.17	55.11	1.02	25.9
1	25.40	0.88	22.35	1-3/8	34.9	1.59	40.38	2.55	64.77	1.23	31.2
1-1/4	31.75	1.09	27.70	1-3/4	44.5	1.89	48.00	3.63	92.20	1.62	41.2
1-1/2	38.10	1.34	34.00	2-1/8	54.0	2.11	53.60	4.25	107.95	1.97	50.0
2	50.80	1.81	45.97	2-3/4	69.9	2.94	74.67	5.88	149.35	2.66	67.6