



FOR METRIC TUBES									
T1 TUBE O.D.	T2 TUBE O.D.	DIMENSION							
		A	D1	D2	E	F	G1	G2	H
4	3	38.0	13.7	12.9	2.5	12	12	7/16	24.0
6	4	40.0	15.3	13.7	2.5	12	9/16	12	25.0
8	6	42.5	16.2	15.3	5.0	14	5/8	9/16	27.4
10	6	44.5	17.2	13.7	5.0	17	19	9/16	29.5
10	8	45.5	17.2	16.2	6.0	17	19	5/8	30.0
12	6	47.0	22.8	15.3	5.0	20	7/8	9/16	29.5
12	8	48.0	22.8	16.2	6.0	20	7/8	5/8	30.2
12	10	49.0	22.8	17.2	8.0	20	7/8	19	31.0
16	12	52.0	24.4	22.8	10.0	24	25	7/8	31.8
18	12	53.5	24.4	22.8	10.0	27	30	7/8	33.0

FOR FRACTIONAL TUBES									
T1 TUBE O.D.	T2 TUBE O.D.	DIMENSION							
		A	D1	D2	E	F	G1	G2	H
1/8	1/16	33.0	12.7	8.6	1.5	10	7/16	10	22.0
3/16	1/8	38.0	13.7	12.7	2.5	12	12	7/16	24.0
1/4	1/16	35.0	15.2	8.6	1.5	12	9/16	10	23.0
1/4	1/8	39.0	15.2	12.7	2.5	15.2	9/16	7/16	24.6
1/4	3/16	40.0	13.7	15.2	2.5	12	12	9/16	25.0
5/16	1/4	42.5	16.2	15.2	5.0	14	17	9/16	27.5
3/8	1/8	41.0	16.8	12.7	2.5	16	11/16	7/16	26.9
3/8	1/4	43.5	16.8	15.2	5.0	16	11/16	9/16	28.4
1/2	1/8	45.5	22.9	12.7	2.5	20	7/8	7/16	28.4
1/2	1/4	47.0	22.9	15.2	5.0	20	7/8	9/16	29.5
1/2	3/8	48.5	22.9	16.8	8.0	20	7/8	11/16	31.0
5/8	3/8	49.5	24.4	16.8	8.0	24	25	11/16	31.8
5/8	1/2	52.5	24.4	22.9	10.0	24	25	7/8	31.8
3/4	1/4	49.3	24.4	15.2	5.0	27	1-1/8	9/16	31.8
3/4	3/8	51.0	24.4	16.8	8.0	27	1-1/8	11/16	33.3
3/4	1/2	54.0	24.4	22.9	10.0	27	1-1/8	7/8	33.3
3/4	5/8	54.0	24.4	24.4	12.0	27	1-1/8	25	33.3
1	1/2	63.0	31.2	22.9	10.0	35	1-1/2	7/8	40.9
1	3/4	63.5	31.2	24.4	16.0	35	1-1/2	1-1/8	40.9

* The A and D dimensions are in finger-tight.
 * The E dimension is the minimum nominal opening.
 * Fraction numbers are in inch size; the others are in mm size.
 * Dimensions are for reference only, and are subject to change without notice.