



FOR METRIC TUBES									
T TUBE O.D.	MALE BSPT / NPT PIPE SIZE	DIMENSION							
		A	B	C	D	E	F	G	H
3	1/8	24.5	10	18.7	12.9	2.5	12	7/16	17.7
3	1/4	25.0	13	22.3	12.9	2.5	14	7/16	18.3
4	1/8	25.5	10	18.8	13.7	2.5	12	12	18.8
4	1/4	25.5	13	22.4	13.7	2.5	14	12	18.8
6	1/8	27.0	10	18.8	15.3	5.0	12	9/16	21.5
6	1/4	27.0	13	23.0	15.3	5.0	14	9/16	21.5
6	3/8	30.0	14	26.2	15.3	5.0	17	9/16	22.4
6	1/2	32.0	17	31.0	15.3	5.0	23	9/16	24.4
8	1/8	29.0	10	19.8	16.2	5.0	14	5/8	22.9
8	1/4	29.0	13	23.4	16.2	5.0	14	5/8	22.9
8	3/8	31.5	14	26.2	16.2	6.0	17	5/8	23.9
8	1/2	33.0	17	31.0	16.2	6.0	22	5/8	25.1
10	1/8	31.5	10	23.6	17.2	5.0	17	19	23.9
10	1/4	31.5	13	25.2	17.2	5.0	17	19	23.9
10	3/8	31.5	14	26.2	17.2	7.0	17	19	23.9
10	1/2	33.5	17	31.0	17.2	8.0	22	19	25.8
12	1/8	36.0	10	23.6	22.8	5.0	20	7/8	27.5
12	1/4	36.0	13	28.0	22.8	5.0	20	7/8	27.5
12	3/8	36.0	14	29.5	22.8	7.0	20	7/8	27.5
12	1/2	36.0	17	31.0	22.8	10.0	22	7/8	27.5
12	3/4	40.0	19	36.8	22.8	10.0	27	7/8	29.7
12	1	50.0	22	45.5	22.8	10.0	34	7/8	39.9
14	3/8	37.0	14	28.0	24.4	7.0	24	25	26.5
14	1/2	37.0	17	31.0	24.4	10.0	24	25	26.5
14	3/4	40.0	19	36.6	24.4	12.0	27	25	29.6
15	3/8	37.0	14	28.0	24.4	7.0	24	25	26.5
15	1/2	37.0	17	31.0	24.4	10.0	24	25	26.5
15	3/4	40.5	19	36.6	24.4	12.0	27	25	29.6
16	3/8	38.0	14	30.2	24.4	7.0	22	25	27.9
16	1/2	38.0	17	33.1	24.4	10.0	22	25	27.9
16	3/4	40.0	19	36.8	24.4	12.0	27	25	29.7
18	3/8	40.0	14	31.6	24.4	7.0	27	30	29.6
18	1/2	40.0	17	34.6	24.4	10.0	27	30	29.6
18	3/4	40.0	19	36.6	24.4	12.0	27	30	29.6
18	1	50.5	22	45.5	24.4	16.0	34	30	39.9
20	1/2	44.0	17	38.7	26.0	10.0	30	32	34.7
20	3/4	44.0	19	38.7	26.0	16.0	30	32	34.7
20	1	49.0	22	45.5	26.0	18.0	34	32	39.9
22	1/2	44.0	17	38.7	26.0	10.0	30	32	34.7
22	3/4	44.0	19	38.7	26.0	16.0	30	32	34.7
22	1	49.5	22	45.5	26.0	18.0	34	32	39.9
25	1/2	53.0	17	43.0	31.3	10.0	34	1-1/2	40.5
25	3/4	53.0	19	45.0	31.3	16.0	34	1-1/2	40.5
25	1	53.0	22	45.5	31.3	22.0	34	1-1/2	40.5

FOR FRACTIONAL TUBES									
T TUBE O.D.	MALE BSPT / NPT PIPE SIZE	DIMENSION							
		A	B	C	D	E	F	G	H
1/16	1/8	20.0	10	18.7	8.6	1.5	12	10	15.7
1/16	1/4	20.5	13	22.3	8.6	1.5	14	10	16.3
1/8	1/8	24.0	10	17.8	12.7	2.5	12	7/16	17.0
1/8	1/4	25.0	13	22.4	12.7	2.5	14	7/16	18.0
1/8	3/8	28.0	14	25.7	12.7	2.5	17	7/16	20.7
1/8	1/2	30.5	17	31.4	12.7	2.5	22	7/16	23.4
3/16	1/8	25.0	10	18.7	13.7	2.5	12	12	17.7
3/16	1/4	25.5	13	22.3	13.7	2.5	14	12	18.3
1/4	1/8	27.0	10	18.8	15.2	5.0	12	9/16	19.6
1/4	1/4	27.0	13	22.4	15.2	5.0	14	9/16	19.6
1/4	3/8	30.0	14	26.2	15.2	5.0	17	9/16	22.4
1/4	1/2	32.0	17	31.0	15.2	5.0	22	9/16	24.4
3/8	1/8	30.5	10	20.8	16.8	5.0	14	11/16	23.1
3/8	1/4	30.5	13	24.4	16.8	7.0	14	11/16	23.1
3/8	3/8	31.5	14	26.2	16.8	7.0	17	11/16	23.9
3/8	1/2	33.5	17	31.0	16.8	7.0	22	11/16	25.9
1/2	1/8	37.0	10	25.0	22.9	5.0	20	7/8	27.0
1/2	1/4	36.5	13	27.2	22.9	5.0	20	7/8	27.5
1/2	3/8	36.5	14	28.2	22.9	7.0	20	7/8	27.5
1/2	1/2	36.5	17	31.0	22.9	10.0	22	7/8	27.5
1/2	3/4	40.0	19	36.8	22.9	10.0	27	7/8	29.7
1/2	1	50.0	22	45.5	22.9	10.0	34	7/8	39.9
5/8	3/8	38.5	14	30.2	24.4	7.0	24	25	27.9
5/8	1/2	38.5	17	33.1	24.4	10.0	24	25	27.9
5/8	3/4	40.0	19	36.8	24.4	12.0	27	25	29.7
3/4	3/8	40.0	14	31.6	24.4	7.0	27	1-1/8	29.6
3/4	1/2	40.0	17	34.8	24.4	10.0	27	1-1/8	32.0
3/4	3/4	40.0	19	36.8	24.4	12.0	27	1-1/8	32.0
3/4	1	51.0	22	45.5	24.4	16.0	34	1-1/8	39.9
1	1/2	53.0	17	43.5	31.2	10.0	34	1-1/2	40.5
1	3/4	49.0	19	41.7	31.2	16.0	34	1-1/2	36.8
1	1	49.0	22	44.5	31.2	22.0	34	1-1/2	36.8

* 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.