



FOR METRIC TUBES										
T TUBE O.D.	DIMENSION								PANEL HOLE SIZE	MAX PANEL THICK
	A	D	E	F	F1	G	H	L1		
4	54.0	13.7	2.5	14	14	12	40.4	31.0	10.0	12.0
6	58.0	15.3	5.0	16	16	9/16	42.9	33.5	12.0	12.0
8	61.0	16.2	6.0	17	17	5/8	46.0	35.5	13.0	12.0
10	64.0	17.2	8.0	22	22	19	48.5	37.0	16.0	12.0
12	71.0	22.8	10.0	24	24	7/8	50.8	40.5	20.0	14.0
14	74.0	24.4	12.0	27	27	25	53.0	42.5	23.0	12.0
15	72.5	24.4	12.0	27	27	25	52.3	42.5	23.0	12.0
16	72.5	24.4	12.0	27	27	25	52.3	42.5	23.0	12.0
18	81.0	24.4	16.0	30	30	30	60.0	48.5	26.0	18.0
20	91.0	26.0	18.0	35	35	32	73.0	58.0	29.0	25.0
22	92.0	26.0	18.0	35	35	32	73.0	58.5	29.0	25.0
25	96.0	31.3	22.0	41	41	1-1/2	71.0	57.5	34.0	22.0

FOR FRACTIONAL TUBES										
T TUBE O.D.	DIMENSION								PANEL HOLE SIZE	MAX PANEL THICK
	A	D	E	F	F1	G	H	L1		
1/8	51.5	12.7	2.5	12	12	7/16	38.1	30.0	8.5	10.0
1/4	58.0	15.2	5.0	16	16	9/16	42.9	34.0	12.0	12.0
3/8	62.5	16.8	8.0	19	19	11/16	47.5	37.0	15.0	12.0
1/2	72.0	22.9	10.0	24	24	7/8	50.8	41.0	20.0	14.0
5/8	73.0	24.4	12.0	27	27	25	52.3	42.5	23.0	12.0
3/4	79.0	24.4	16.0	30	30	1-1/8	59.7	49.0	26.0	18.0
1	96.0	31.2	22.0	41	41	1-1/2	71.4	57.5	34.0	22.0

- \* 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.