



BULKHEAD UNION

UP

Metric OD tubes

T TUBE OD	A	C	E	F	G	Panel Hole Drill Size	Max. Panel Thickness	PART No.
3	51.3	12.9	2.4	14	11	8.3	12.7	M - 3 - UP
6	57.7	15.3	4.8	16	14	11.5	10.2	M - 6 - UP
8	61.0	16.2	6.3	17	16	13.1	11.2	M - 8 - UP
10	63.7	17.2	7.9	22	19	16.3	11.2	M - 10 - UP
12	71.0	22.8	9.5	24	22	19.5	12.7	M - 12 - UP
14	72.5	24.4	11.1	27	25	22.5	12.7	M - 14 - UP
15	72.5	24.4	11.9	27	25	22.8	12.7	M - 15 - UP
16	72.5	24.4	12.7	27	25	22.8	12.7	M - 16 - UP
18	78.9	24.4	15.1	30	30	26.0	16.8	M - 18 - UP
20	84.5	26.0	15.8	35	32	29.0	19.0	M - 20 - UP
25	95.6	31.2	22.3	35	38	33.7	19.0	M - 25 - UP
30	123.7	39.6	26.2	50	46	40.5	19.0	M - 30 - UP
32	128.3	42.0	27.6	50	50	42.5	19.0	M - 32 - UP
38	144.6	49.4	33.7	60	60	50.5	19.0	M - 38 - UP

Inch OD tubes

T TUBE OD	A	C	E	F	G	Panel Hole Drill Size	Max. Panel Thickness	PART No.
1/16"	31.5	8.6	1.3	11	8	5.2	3.0	P - 1 - UP
1/8"	51.3	12.7	2.4	11	11	8.3	12.7	P - 2 - UP
1/4"	57.6	15.3	4.8	16	14	11.5	10.2	P - 4 - UP
5/16"	60.7	16.3	6.3	17	16	13.0	11.2	P - 5 - UP
3/8"	62.2	16.8	7.1	22	17	14.6	11.2	P - 6 - UP
1/2"	71.1	22.9	10.4	24	22	19.5	12.7	P - 8 - UP
5/8"	72.6	24.4	12.7	27	25	22.6	12.7	P - 10 - UP
3/4"	79.0	24.4	16.0	30	28.5	25.8	16.8	P - 12 - UP
1"	95.6	31.2	22.3	35	38	33.7	19.0	P - 16 - UP
1.1/4"	123.2	41.2	27.6	50	50	41.6	19.0	P - 20 - UP
1.1/2"	139.2	50.0	34.0	60	60	49.6	19.0	P - 24 - UP