

**TUBING**

**METRIC STEEL**

**General Specifications**

**APPLICATION INFORMATION:** Meets requirements of DIN Standard 2391, Class C. This tubing is especially well suited for application in hydraulic and pneumatic circuitry where dimensional accuracy and good surface finish are important to the proper attachment of fittings.

**WORKABILITY & STRENGTH:** Prior to bending, the tubing will exhibit the following properties:

Tensile Strength — 32 - 45 Kp/mm<sup>2</sup>

Yield — 24 Kp/mm<sup>2</sup> minimum

Bending to close radii will tend to reduce wall thickness at the outer bend and consequently reduce recommended operating pressure.

**STANDARD LENGTHS:** Steel tubes are stocked and shipped in approximately six meter lengths. Tubes of specific cut lengths are available on special order.

**CONVERSION FACTORS:**

- 1 millimeter = 0.03937 inch
- 1 square centimeter = 0.1550 square inch
- 1 kilogram/square centimeter = 14.22 pounds/square inch
- 1 kilogram/meter = 0.6720 pounds/foot

**Metric Steel Tubing**



**SPECIFICATIONS**

RB&H #	NOMINAL SIZE O.D. X WALL (IN.)	FLOW CROSS-SECTION (CM <sup>2</sup> )	^RECOMMENDED OPERATING PRESSURE (KG/CM <sup>2</sup> )
4X0.5MST	4 x 0.5	.071	242
4X1.0MST	4 x 1.0	.031	483
5X1.0MST	5 x 1.0	.071	387
6X1.0MST	6 x 1.0	.130	322
6X1.5MST	6 x 1.5	.071	483
6X2.0MST	6 x 2.0	.031	644
8X1.0MST	8 x 1.0	.28	242
8X1.5MST	8 x 1.5	.20	363
8X2.0MST	8 x 2.0	.13	483
8X2.5MST	8 x 2.5	.071	604
10X1.0MST	10 x 1.0	.50	193
10X1.5MST	10 x 1.5	.38	290
10X2.0MST	10 x 2.0	.28	387
10X2.5MST	10 x 2.5	.20	483
12X1.0MST	12 x 1.0	.79	161
12X1.5MST	12 x 1.5	.64	242
12X2.0MST	12 x 2.0	.50	322
12X2.5MST	12 x 2.5	.38	403
12X3.0MST	12 x 3.0	.28	483
14X1.0MST	14 x 1.0	1.13	138
14X1.5MST	14 x 1.5	.95	207
14X2.0MST	14 x 2.0	.79	276
14X2.5MST	14 x 2.5	.64	345
14X3.0MST	14 x 3.0	.50	414
15X1.0MST	15 x 1.0	1.33	129
15X1.5MST	15 x 1.5	1.13	193
15X2.0MST	15 x 2.0	.95	258
15X2.5MST	15 x 2.5	.79	322
15X3.0MST	15 x 3.0	.64	387
16X1.0MST	16 x 1.0	1.54	121
16X1.5MST	16 x 1.5	1.33	181
16X2.0MST	16 x 2.0	1.13	242
16X2.5MST	16 x 2.5	.95	302
16X3.0MST	16 x 3.0	.79	363
18X1.0MST	18 x 1.0	2.01	107

**SPECIFICATIONS**

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18X1.5MST	18 x 1.5	1.17	161
18X2.0MST	18 x 2.0	1.54	215
18X2.5MST	18 x 2.5	1.33	269
18X3.0MST	18 x 3.0	1.13	322
20X1.5MST	20 x 1.5	2.27	145
20X2.0MST	20 x 2.0	2.01	193
20X2.5MST	20 x 2.5	1.77	242
20X3.0MST	20 x 3.0	1.54	290
20X3.5MST	20 x 3.5	1.33	338
20X4.0MST	20 x 4.0	1.13	387
22X1.5MST	22 x 1.5	2.84	132
22X2.0MST	22 x 2.0	2.55	176
22X2.5MST	22 x 2.5	2.27	220
22X3.0MST	22 x 3.0	2.01	264
25X2.0MST	25 x 2.0	3.46	155
25X2.5MST	25 x 2.5	3.14	193
25X3.0MST	25 x 3.0	2.84	232
25X3.5MST	25 x 3.5	2.54	349
25X4.0MST	25 x 4.0	2.27	309
25X4.5MST	25 x 4.5	2.01	348
25X5.0MST	25 x 5.0	1.77	387
28X1.5MST	28 x 1.5	4.91	104
28X2.0MST	28 x 2.0	4.52	138
28X3.0MST	28 x 3.0	3.80	207
28X4.0MST	28 x 4.0	3.14	276
30X2.0MST	30 x 2.0	5.31	129
30X2.5MST	30 x 2.5	4.91	161
30X3.0MST	30 x 3.0	4.52	193
30X4.0MST	30 x 4.0	3.80	258
30X5.0MST	30 x 5.0	3.14	322
35X2.0MST	35 x 2.0	7.55	111
35X3.0MST	35 x 3.0	6.61	166
35X4.0MST	35 x 4.0	5.73	221
35X5.0MST	35 x 5.0	4.91	276
38X2.5MST	38 x 2.5	8.55	127
38X3.0MST	38 x 3.0	8.04	153
38X4.0MST	38 x 4.0	7.07	204
38X5.0MST	38 x 5.0	6.16	254
38X7.0MST	38 x 7.0	4.52	459
42X2.0MST	42 x 2.0	11.34	260
42X3.0MST	42 x 3.0	10.13	386
42X4.0MST	42 x 4.0	9.03	566
42X5.0MST	42 x 5.0	8.04	230
50X6.0MST	50 x 6.0	11.34	220

^ Based of 4:1 safety factor  
Packaging charge included