

Metric Sized Carbon Steel Hydraulic Tubing, Dimensions and Pressure Ratings

Tubing O.D.	DTC Part Number	Wall Thickness Inch/Metric	Tubing I.D.	Weight Per Foot (kg/Ft)	Estimated Working Pressure (PSI) @ 4:1 Ratio	Estimated Working Pressure (bar) @ 4:1 Ratio
4mm	HT-4Mx.5	.5mm	3mm	0.013	4,553	314
	HT-4Mx.75	.75mm	2.5mm	0.0183	5,930	409
	HT-4Mx.1	1mm	2mm	0.0226	7,612	525
5mm	HT-5Mx1	1mm	3mm	0.0302	6,264	432
6mm	HT-6Mx.75	.75mm	4.5mm	0.0296	4,843	334
	HT-6Mx1	1mm	4mm	0.0375	5,640	389
	HT-6Mx1.5	1.5mm	3mm	0.0506	7,975	550
	HT-6Mx2	2mm	2mm	0.0601	10,005	690
	HT-6Mx2.25	2.25mm	1.5mm	0.0634	10,875	750
8mm	HT-8Mx1	1mm	6mm	0.0527	4,843	334
	HT-8Mx1.5	1.5mm	5mm	0.7320	6,249	431
	HT-8Mx2	2mm	4mm	0.9020	7,830	540
	HT-8Mx2.5	2.5mm	3mm	0.1034	9,425	650
10mm	HT-10Mx1	1mm	8mm	0.0677	4,103	283
	HT-10Mx1.5	1.5mm	7mm	0.0957	5,408	373
	HT-10Mx2	2mm	6mm	0.1204	6,902	476
	HT-10Mx2.5	2.5mm	5mm	0.1409	8,337	575
12mm	HT-12Mx1	1mm	10mm	0.0826	3,407	235
	HT-12Mx1.5	1.5mm	9mm	0.1183	5,075	350
	HT-12Mx2	2mm	8mm	0.1503	5,930	409
	HT-12Mx2.5	2.5mm	7mm	0.1787	7,177	495
	HT-12Mx3	3mm	6mm	0.2030	8,337	575
14mm	HT-14Mx1	1mm	12mm	0.0979	2,900	200
	HT-14Mx1.5	1.5mm	11mm	0.1409	4,364	301
	HT-14Mx2	2mm	10mm	0.1805	5,089	351
	HT-14Mx2.5	2.5mm	9mm	0.2162	6,293	434
	HT-14Mx3	3mm	8mm	0.2482	7,322	505
	HT-14Mx3.5	3.5mm	7mm	0.2762	8,337	575
15mm	HT-15Mx1	1mm	13mm	0.1052	2,682	185
	HT-15Mx1.5	1.5mm	12mm	0.1521	4,060	280
	HT-15Mx2	2mm	11mm	0.1954	4,872	336
	HT-15Mx2.5	2.5mm	10mm	0.2351	5,930	409
	HT-15Mx3	3mm	9mm	0.2707	6,931	478

Working pressures shown have a safety factor of 4. For converting bar pressures into PSI, take bar x 14.5

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Tubing O.D.	DTC Part Number	Wall Thickness Inch/Metric	Tubing I.D.	Weight Per Foot (kg/Ft)	Estimated Working Pressure (PSI) @ 4:1 Ratio	Estimated Working Pressure (bar) @ 4:1 Ratio
16mm	HT-16Mx1	1mm	14mm	0.1128	2,537	175
	HT-16Mx1.5	1.5mm	13mm	0.1634	3,813	263
	HT-16Mx2	2mm	12mm	0.2107	5,089	351
	HT-16Mx2.5	2.5mm	11mm	0.2537	5,597	386
	HT-16Mx3	3mm	10mm	0.2933	6,539	451
18mm	HT-18Mx1	1mm	16mm	0.1277	2,247	155
	HT-18Mx1.5	1.5mm	15mm	0.1860	3,407	235
	HT-18Mx2	2mm	14mm	0.2405	4,509	311
	HT-18Mx2.5	2.5mm	13mm	0.2915	5,684	392
	HT-18Mx3	3mm	12mm	0.3384	5,930	409
20mm	HT-20Mx1.5	1.5mm	17mm	0.2085	3,045	210
	HT-20Mx2	2mm	16mm	0.2707	4,060	280
	HT-20Mx2.5	2.5mm	15mm	0.3290	5,075	350
	HT-20Mx3	3mm	14mm	0.3835	5,408	373
	HT-20Mx3.5	3.5mm	13mm	0.4341	6,177	426
	HT-20Mx4	4mm	12mm	0.4811	6,931	478
22mm	HT-22Mx1	1mm	20mm	0.1579	1,812	125
	HT-22Mx1.5	1.5mm	19mm	0.2311	2,755	190
	HT-22Mx2	2mm	18mm	0.3006	3,697	255
	HT-22Mx2.5	2.5mm	17mm	0.3665	4,640	320
	HT-22Mx3	3mm	16mm	0.4287	4,973	343
25mm	HT-25Mx2	2mm	21mm	0.3457	3,262	225
	HT-25Mx2.5	2.5mm	20mm	0.4229	4,060	280
	HT-25Mx3	3mm	19mm	0.4963	4,857	335
	HT-25Mx3.5	3.5mm	18mm	0.5659	5,278	364
	HT-25Mx4	4mm	17mm	0.6317	5,713	394
	HT-25Mx4.5	4.5mm	16mm	0.6936	6,336	437
	HT-25Mx5	5mm	15mm	0.7518	6,931	478
28mm	HT-28Mx1.5	1.5mm	25mm	0.2988	2,175	150
	HT-28Mx2	2mm	24mm	0.3909	2,900	200
	HT-28Mx2.5	2.5mm	23mm	0.4793	3,625	250
	HT-28Mx3	3mm	22mm	0.5640	4,350	300
	HT-28Mx4	4mm	20mm	0.7220	5,800	400
	HT-28Mx5	5mm	18mm	0.8646	6,235	430

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30mm	HT-30Mx2	2mm	26mm	0.4210	2,682	185
	HT-30Mx2.5	2.5mm	25mm	0.5168	3,407	235
	HT-30Mx3	3mm	24mm	0.6091	4,060	280
	HT-30Mx4	4mm	22mm	0.7820	4,872	336
	HT-30Mx5	5mm	20mm	0.9399	5,930	409
35mm	HT-35Mx2	2mm	31mm	0.4963	2,320	160
	HT-35Mx2.5	2.5mm	30mm	0.6110	2,900	200
	HT-35Mx3	3mm	29mm	0.7216	3,480	240
	HT-35Mx4	4mm	27mm	0.9323	4,640	320
	HT-35Mx5	5mm	25mm	1.1277	5,800	400
	HT-35Mx6	6mm	23mm	1.3082	6,075	419
38mm	HT-38Mx2.5	2.5mm	33mm	0.6674	2,682	185
	HT-38Mx3	3mm	32mm	0.7893	3,190	220
	HT-38Mx4	4mm	30mm	1.0226	4,277	295
	HT-38Mx5	5mm	28mm	1.2405	4,814	332
	HT-38Mx6	6mm	26mm	1.4436	5,655	390
	HT-38Mx7	7mm	24mm	1.6317	6,467	446
42mm	HT-42Mx2	2mm	38mm	0.6015	1,885	130
	HT-42Mx3	3mm	36mm	0.8796	2,900	200
	HT-42Mx4	4mm	34mm	1.1430	3,842	265
50mm	HT-50Mx6	6mm	38mm	1.9851	4,930	340
	HT-50Mx9	9mm	32mm	2.7744	6,336	437
65mm	HT-65Mx8	8mm	46mm	3.4287	5,002	345
80mm	HT-80Mx10	10mm	60mm	5.2631	5,075	350

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To convert Meters into Feet, divide the Meter quantity by 3.28 - converting Feet into meters, multiply the Footage by 3.28