

Pressure Ratings for Imperial Sized, Steel Hydraulic Tubing

Imperial Sized Carbon Steel Hydraulic Tubing, Dimensions and Pressure ratings

DTC stocks a large variety of hydraulic seamless tubing in metric and inch sizes, materials range from Carbon steel, Zinc Plated steel, and Stainless steel.

Our tubing is manufactured to SAE specifications of J524, ASTM/ASME/SA/A179, and metric specifications to DIN2391/C NZBK as well as EN 10305-1 specifications in material grade 37.4 / E235. All tube sizes are available with phosphated and oiled surface finish, as well as some popular sizes stocked in zinc plated surface finish. All steel metric tubes come in 6 meter lengths, and imperial (Inch) sizes in 20 foot lengths. All working pressures represented here are for normal conditions up to 120°C. For higher temperatures and heavy shock pressure, or other extreme conditions, the size of the tubing should be calculated accordingly. Mill testing Certificates are available on request.

Tubing O.D.	DTC Part Number	Wall Thickness Inch/Metric	Tubing I.D.	Weight Per Ft.	Estimated Bursting Pressure	Estimated Working Pressure in PSI @ 4:1 Ratio
1/8 - .125	HT-035-02	0.035	0.055	0.034	24,000	6,000
3/16 - .188	HT-035-03	0.035/.89mm	0.117	0.057	16,755	4,188
1/4 - .250	HT-035-04	0.035/.89mm	0.180	0.080	12,600	3,150
	HT-049-04	0.049/1.24mm	0.152	0.105	17,640	4,410
5/16 - .313	HT-035-05	0.035/.89mm	0.243	0.104	10,063	2,515
	HT-049-05	0.049/1.24mm	0.215	0.138	14,089	3,522
	HT-065-05	0.065/1.65mm	0.183	0.172	18,690	4,672
3/8 - .375	HT-035-06	0.035/.89mm	0.305	0.127	8,400	2,100
	HT-049-06	0.049/1.24mm	0.277	0.171	11,760	2,940
	HT-065-06	0.065/1.65mm	0.245	0.215	15,600	3,900
1/2 - .500	HT-035-08	0.035/.89mm	0.430	0.174	6,300	1,575
	HT-049-08	0.049/1.24mm	0.402	0.236	8,820	2,205
	HT-065-08	0.065/1.65mm	0.370	0.302	11,700	2,925
	HT-083-08	0.083/2.11mm	0.334	0.370	14,940	3,735
5/8 - .625	HT-035-10	0.035/.89mm	0.555	0.221	5,040	1,260
	HT-049-10	0.049/1.24mm	0.527	0.301	7,056	1,764
	HT-065-10	0.065/1.65mm	0.495	0.389	9,360	2,340
	HT-083-10	0.083/2.11mm	0.459	0.481	11,950	2,987
	HT-095-10	0.095/2.41mm	0.435	0.538	12,960	3,240
3/4 - .750	HT-035-12	0.035/.89mm	0.680	0.267	4,200	1,050
	HT-049-12	0.049/1.24mm	0.652	0.367	5,880	1,470
	HT-065-12	0.065/1.65mm	0.620	0.476	7,800	1,950
	HT-083-12	0.083/2.11mm	0.584	0.591	9,960	2,490
	HT-095-12	0.095/2.41mm	0.560	0.665	11,400	2,850
	HT-109-12	0.109/2.77mm	0.532	0.746	13,080	3,270
	HT-120-12	0.120/3.05mm	0.510	0.807	14,400	3,600

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Imperial Sized Carbon Steel Hydraulic Tubing, Dimensions and Pressure ratings - Continued

Tubing O.D.	DTC Part Number	Wall Thickness Inch/Metric	Tubing I.D.	Weight Per Foot.	Estimated Bursting Pressure	Estimated Working Pressure in PSI @ 4:1 Ratio
7/8 - .875	HT-049-14	0.049/1.24mm	0.777	0.432	5,140	1,285
	HT-065-14	0.065/1.65mm	0.745	0.562	6,680	1,670
	HT-083-14	0.083/2.11mm	0.709	0.702	8,530	2,132
	HT-095-14	0.095/2.41mm	0.685	0.791	9,770	2,442
	HT-109-14	0.109/2.77mm	0.657	0.892	11,210	2,802
1 - 1.000	HT-049-16	0.049/1.24mm	0.902	0.498	4,410	1,102
	HT-065-16	0.065/1.65mm	0.870	0.649	5,850	1,462
	HT-083-16	0.083/2.11mm	0.834	0.813	7,470	1,867
	HT-095-16	0.095/2.41mm	0.810	0.918	8,550	2,137
	HT-109-16	0.109/2.77mm	0.782	1.037	9,810	2,452
	HT-120-16	0.120/3.05mm	0.760	1.128	10,800	2,700
1 1/8 - 1.125	HT-065-18	0.065/1.65mm	0.995	0.736	5,200	1,300
1 1/4 - 1.250	HT-049-20	0.049/1.24mm	1.152	0.629	3,520	880
	HT-065-20	0.065/1.65mm	1.120	0.823	4,680	1,170
	HT-083-20	0.083/2.11mm	1.084	1.034	5,970	1,492
	HT-095-20	0.095/2.41mm	1.060	1.172	6,840	1,710
	HT-109-20	0.109/2.77mm	1.032	1.328	7,840	1,960
	HT-120-20	0.120/3.05mm	1.010	1.448	8,640	2,160
1 1/2 - 1.500	HT-065-24	0.065/1.65mm	1.370	0.996	3,900	975
	HT-083-24	0.083/2.11mm	1.334	1.256	4,980	1,245
	HT-095-24	0.095/2.41mm	1.310	1.426	5,700	1,425
	HT-109-24	0.109/2.77mm	1.282	1.619	6,540	1,635
	HT-120-24	0.120/3.05mm	1.260	1.769	7,200	1,800
	HT-134-24	0.134/3.40mm	1.232	1.955	8,040	2,010
1 3/4 - 1.750	HT-065-28	0.065/1.65mm	1.620	1.169	3,340	835
	HT-083-28	0.083/2.11mm	1.584	1.477	4,150	1,037
	HT-095-28	0.095/2.41mm	1.560	1.679	6,188	1,547
	HT-120-28	0.120/3.05mm	1.510	2.089	7,975	1,993
	HT-134-28	0.134/3.40mm	1.482	2.313	8,938	2,234
2 - 2.000	HT-065-32	0.065/1.65mm	1.870	1.343	2,920	730
	HT-083-32	0.083/2.11mm	1.834	1.699	3,735	933
	HT-095-32	0.095/2.41mm	1.810	1.933	5,500	1,375
	HT-120-32	0.120/3.05mm	1.760	2.409	6,875	1,718
	HT-134-32	0.134/3.40mm	1.732	2.670	7,838	1,959