



Pressure Ratings for Imperial Sized, Steel Hydraulic Tubing

Toll-Free: 1-844-DTC-HOSE

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. | DTCPart 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 |
| | HT-035-04 | 0.035/.89mm | 0.18 | 0.08 | 12,600 | 3,150 |
| 1/4 - .250 | HT-049-04 | 0.049/1.24mm | 0.152 | 0.105 | 17,640 | 4,410 |
| | HT-035-05 | 0.035/.89mm | 0.243 | 0.104 | 10,063 | 2,515 |
| 5/16 - .313 | 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 |
| | HT-035-06 | 0.035/.89mm | 0.305 | 0.127 | 8,400 | 2,100 |
| 3/8 - .375 | 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 |
| | HT-035-08 | 0.035/.89mm | 0.43 | 0.174 | 6,300 | 1,575 |
| 1/2 - .500 | HT-049-08 | 0.049/1.24mm | 0.402 | 0.236 | 8,820 | 2,205 |
| | HT-065-08 | 0.065/1.65mm | 0.37 | 0.302 | 11,700 | 2,925 |
| | HT-083-08 | 0.083/2.11mm | 0.334 | 0.37 | 14,940 | 3,735 |
| | 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 |
| 5/8 - .625 | 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 |
| | HT-035-12 | 0.035/.89mm | 0.68 | 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 | 0.62 | 0.476 | 7,800 | 1,950 |
| 3/4 - .750 | HT-083-12 | 0.083/2.11mm | 0.584 | 0.591 | 9,960 | 2,490 |
| | HT-095-12 | 0.095/2.41mm | 0.56 | 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 | 0.51 | 0.807 | 14,400 | 3,600 |

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

| Tubing O.D. | DTCPart Number | Wall Thickness Inch/Metric | Tubing I.D. | Weight Per Ft. | Estimated Bursting Pressure | Estimated Working Pressure in PSI @ 4:1 Ratio |
|---------------|----------------|----------------------------|-------------|----------------|-----------------------------|---|
| 7/8 - .875 | HT-049-14 | 0.049/1.24mm | 0.7770 | 0.4320 | 5,140 | 1,285 |
| | HT-065-14 | 0.065/1.65mm | 0.7450 | 0.5620 | 6,680 | 1,670 |
| | HT-083-14 | 0.083/2.11mm | 0.7090 | 0.7020 | 8,530 | 2,132 |
| | HT-095-14 | 0.095/2.41mm | 0.6850 | 0.7910 | 9,770 | 2,442 |
| | HT-109-14 | 0.109/2.77mm | 0.6570 | 0.8920 | 11,210 | 2,802 |
| 1 - 1.000 | HT-049-16 | 0.049/1.24mm | 0.9020 | 0.4980 | 4,410 | 1,102 |
| | HT-065-16 | 0.065/1.65mm | 0.8700 | 0.6490 | 5,850 | 1,462 |
| | HT-083-16 | 0.083/2.11mm | 0.8340 | 0.8130 | 7,470 | 1,867 |
| | HT-095-16 | 0.095/2.41mm | 0.8100 | 0.9180 | 8,550 | 2,137 |
| | HT-109-16 | 0.109/2.77mm | 0.7820 | 1.0370 | 9,810 | 2,452 |
| | HT-120-16 | 0.120/3.05mm | 0.7600 | 1.1280 | 10,800 | 2,700 |
| 1 1/8 - 1.125 | HT-065-18 | 0.065/1.65mm | 0.9950 | 0.7360 | 5,200 | 1,300 |
| 1 1/4 - 1.250 | HT-049-20 | 0.049/1.24mm | 1.1520 | 0.6290 | 3,520 | 880 |
| | HT-065-20 | 0.065/1.65mm | 1.1200 | 0.8230 | 4,680 | 1,170 |
| | HT-083-20 | 0.083/2.11mm | 1.0840 | 1.0340 | 5,970 | 1,492 |
| | HT-095-20 | 0.095/2.41mm | 1.0600 | 1.1720 | 6,840 | 1,710 |
| | HT-109-20 | 0.109/2.77mm | 1.0320 | 1.3280 | 7,840 | 1,960 |
| | HT-120-20 | 0.120/3.05mm | 1.0100 | 1.4480 | 8,640 | 2,160 |
| 1 1/2 - 1.500 | HT-065-24 | 0.065/1.65mm | 1.3700 | 0.9960 | 3,900 | 975 |
| | HT-083-24 | 0.083/2.11mm | 1.3340 | 1.2560 | 4,980 | 1,245 |
| | HT-095-24 | 0.095/2.41mm | 1.3100 | 1.4260 | 5,700 | 1,425 |
| | HT-109-24 | 0.109/2.77mm | 1.2820 | 1.6190 | 6,540 | 1,635 |
| | HT-120-24 | 0.120/3.05mm | 1.2600 | 1.7690 | 7,200 | 1,800 |
| | HT-134-24 | 0.134/3.40mm | 1.2320 | 1.9550 | 8,040 | 2,010 |
| 1 3/4 - 1.750 | HT-065-28 | 0.065/1.65mm | 1.6200 | 1.1690 | 3,340 | 835 |
| | HT-083-28 | 0.083/2.11mm | 1.5840 | 1.4770 | 4,150 | 1,037 |
| | HT-095-28 | 0.095/2.41mm | 1.5600 | 1.6790 | 6,188 | 1,547 |
| | HT-120-28 | 0.120/3.05mm | 1.5100 | 2.0890 | 7,975 | 1,993 |
| | HT-134-28 | 0.134/3.40mm | 1.4820 | 2.3130 | 8,938 | 2,234 |
| 2 - 2.000 | HT-065-32 | 0.065/1.65mm | 1.8700 | 1.3430 | 2,920 | 730 |
| | HT-083-32 | 0.083/2.11mm | 1.8340 | 1.6990 | 3,735 | 933 |
| | HT-095-32 | 0.095/2.41mm | 1.8100 | 1.9330 | 5,500 | 1,375 |
| | HT-120-32 | 0.120/3.05mm | 1.7600 | 2.4090 | 6,875 | 1,718 |
| | HT-134-32 | 0.134/3.40mm | 1.7320 | 2.6700 | 7,838 | 1,959 |