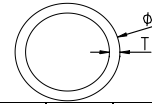
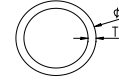


Round tubes



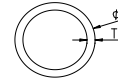
| Item | φ (mm) | T (mm) | kg/m | Item | φ (mm) | T (mm) | kg/m | Item | φ (mm) | T (mm) | kg/m |
|------|--------|--------|-------|------|--------|--------|-------|------|--------|--------|--------|
| | 8 | 0.8 | 0.049 | | 25.2 | 1 | 0.215 | | 50 | 6 | 2.25 |
| | 8 | 1 | 0.060 | | 25.5 | 3 | 0.577 | | 50 | 7.5 | 3.431 |
| | 8 | 1.2 | 0.070 | | 26 | 2 | 0.412 | | 50 | 10 | 3.431 |
| | 8 | 2 | 0.103 | | 27.4 | 2.7 | 0.572 | | 51 | 18 | 5.094 |
| | 9.5 | 0.6 | 0.046 | | 28 | 3 | 0.643 | | 52 | 12 | 4.117 |
| | 9.5 | 1 | 0.073 | | 28 | 3.25 | 0.690 | | 53 | 8 | 3.054 |
| | 9.5 | 1 | 0.073 | | 28 | 5 | 0.986 | | 53 | 10.5 | 3.813 |
| | 9.5 | 1.5 | 0.103 | | 28 | 10.5 | 1.576 | | 55 | 3 | 1.338 |
| | 10 | 1 | 0.077 | | 30 | 1.2 | 0.296 | | 55 | 5 | 2.144 |
| | 10 | 2 | 0.137 | | 30 | 1.8 | 0.434 | | 55 | 6.5 | 2.704 |
| | 10 | 3 | 0.180 | | 30 | 2 | 0.480 | | 55 | 7.5 | 3.055 |
| | 12 | 1 | 0.094 | | 30 | 2.5 | 0.590 | | 55 | 10 | 3.859 |
| | 12 | 1.5 | 0.135 | | 30 | 3 | 0.695 | | 55 | 15 | 1.246 |
| | 12 | 2 | 0.172 | | 30 | 4 | 0.892 | | 56.5 | 2.7 | 1.246 |
| | 12.2 | 1 | 0.096 | | 30 | 5 | 1.892 | | 57 | 5 | 2.22 |
| | 12.3 | 1.2 | 0.114 | | 30 | 8 | 1.509 | | 56 | 19 | 6.029 |
| | 12.4 | 1.2 | 0.115 | | 30 | 9 | 1.621 | | 57.5 | 2.7 | 1.269 |
| | 12.5 | 1 | 0.099 | | 30 | 10 | 1.715 | | 59 | 17 | 6.079 |
| | 13 | 1.5 | 0.148 | | 31.8 | 1 | 0.264 | | 60 | 5 | 2.333 |
| | 14 | 2 | 0.206 | | 32 | 2 | 0.515 | | 60 | 10 | 4.242 |
| | 15 | 1.5 | 0.174 | | 32 | 2.5 | 0.633 | | 60 | 12.5 | 5.092 |
| | 15.9 | 1.375 | 0.171 | | 32 | 3 | 0.746 | | 61 | 7 | 3.242 |
| | 16 | 0.8 | 0.104 | | 32 | 3.5 | 0.856 | | 62 | 16 | 6.312 |
| | 16 | 1 | 0.129 | | 32 | 4 | 0.961 | | 63.5 | 3 | 1.557 |
| | 16 | 1.2 | 0.152 | | 32 | 5 | 1.158 | | 64.7 | 1.85 | 0.997 |
| | 16 | 2 | 0.240 | | 32 | 6 | 1.338 | | 65 | 3 | 1.595 |
| | 16 | 5 | 0.472 | | 32 | 7 | 1.501 | | 65 | 5 | 2.573 |
| | 17 | 2 | 0.257 | | 32 | 10.5 | 1.936 | | 65 | 10 | 4.717 |
| | 18 | 5 | 0.557 | | 33.5 | 4.5 | 1.1 | | 65 | 15 | 6.432 |
| | 18.8 | 1.5 | 0.223 | | 34 | 4.5 | 1.138 | | 65 | 16 | 6.675 |
| | 19 | 0.8 | 0.125 | | 36 | 4 | 1.094 | | 65 | 20 | 7.719 |
| | 19 | 1 | 0.154 | | 36 | 5 | 1.315 | | 70 | 3 | 1.724 |
| | 19 | 1 | 0.154 | | 36 | 8 | 1.9 | | 70 | 4 | 2.264 |
| | 19 | 1 | 0.154 | | 36 | 10 | 2.21 | | 70 | 5 | 2.787 |
| | 19 | 1.2 | 0.183 | | 38 | 2 | 0.615 | | 70 | 8 | 4.254 |
| | 19 | 2 | 0.292 | | 38 | 3 | 0.891 | | 70 | 10 | 5.146 |
| | 19.9 | 3.5 | 0.492 | | 38 | 5 | 1.415 | | 70 | 15 | 7.076 |
| | 19 | 4 | 0.515 | | 38 | 7 | 1.891 | | 70 | 17.5 | 7.880 |
| | 19 | 7.5 | 0.740 | | 38 | 8 | 2.04 | | 74.6 | 2.3 | 1.426 |
| | 20 | 2 | 0.309 | | 38 | 11.5 | 2.614 | | 75 | 5 | 3.002 |
| | 20 | 3 | 0.437 | | 38.5 | 5 | 1.437 | | 75 | 10 | 5.575 |
| | 20 | 4 | 0.549 | | 39 | 9 | 2.316 | | 75 | 12.5 | 6.700 |
| | 20 | 5 | 0.643 | | 40 | 3 | 0.952 | | 75 | 15 | 7.634 |
| | 21 | 3.5 | 0.525 | | 40 | 5 | 1.501 | | 75 | 20 | 9.434 |
| | 21.8 | 0.58 | 0.106 | | 40 | 8 | 2.196 | | 75 | 25 | 10.721 |
| | 22 | 0.8 | 0.145 | | 40 | 9 | 2.393 | | 75.6 | 2.8 | 1.748 |
| | 22 | 1 | 0.180 | | 41 | 8.5 | 2.369 | | 76 | 6.25 | 3.739 |
| | 22 | 1.2 | 0.214 | | 41 | 10 | 2.659 | | 76 | 8 | 4.615 |
| | 22 | 2 | 0.343 | | 41 | 11.35 | 2.886 | | 76 | 10 | 5.661 |
| | 22 | 3 | 0.489 | | 42 | 1.2 | 0.420 | | 78 | 14 | 7.6 |
| | 22 | 6 | 0.823 | | 42 | 3 | 1.003 | | 78 | 15 | 8.105 |
| | 22.5 | 5 | 0.750 | | 42 | 5 | 1.587 | | 82.2 | 1.1 | 0.762 |
| | 24 | 1 | 0.197 | | 45 | 2 | 0.738 | | 80 | 5 | 3.216 |
| | 24 | 5.5 | 0.873 | | 45 | 3 | 1.081 | | 80 | 10 | 6.004 |
| | 24.8 | 0.58 | 0.120 | | 45 | 5 | 1.715 | | 80 | 15 | 8.362 |
| | 25 | 1 | 0.206 | | 45 | 6 | 2.007 | | 80 | 20 | 10.292 |
| | 25 | 1.1 | 0.225 | | 45 | 10 | 3.184 | | 85 | 5 | 3.431 |
| | 25 | 1.2 | 0.245 | | 45 | 11 | 3.184 | | 85 | 10 | 6.432 |
| | 25 | 1.45 | 0.293 | | 45 | 12.5 | 3.484 | | 85 | 15 | 9.01 |
| | 25 | 1.8 | 0.358 | | 45 | 13 | 3.555 | | 90 | 10 | 6.786 |
| | 25 | 2 | 0.395 | | 45.3 | 8.5 | 2.653 | | 90 | 12 | 8 |
| | 25 | 3 | 0.566 | | 46.8 | 4.9 | 1.761 | | 90 | 29 | 15.172 |
| | 25 | 4 | 0.720 | | 50 | 1.2 | 0.502 | | 92 | 4 | 3.019 |
| | 25 | 5 | 0.858 | | 50 | 2.8 | 1.133 | | 92 | 15 | 9.906 |
| | 25 | 6 | 0.978 | | 50 | 3 | 1.209 | | 35X20 | 1.15 | 0.265 |
| | 25 | 6.5 | 1.031 | | 50 | 5 | 1.91 | | 9.5 | 1.5 | 0.102 |

Round tubes



| Item | φ (mm) | T(mm) | kg/m | Item | φ (mm) | T(mm) | kg/m | Item | φ (mm) | T(mm) | kg/m |
|------|--------|-------|--------|------|--------|-------|--------|------|--------|-------|--------|
| | 95 | 5 | 3.859 | | 35 | 2 | 0.566 | | 93 | 3 | 2.316 |
| | 95 | 13 | 9.042 | | 35 | 3 | 0.823 | | 95 | 10 | 7.290 |
| | 96 | 2 | 1.606 | | 35 | 5 | 1.286 | | 95 | 12.5 | 8.845 |
| | 100 | 15 | 10.895 | | 35 | 7 | 1.681 | | 95 | 15 | 10.292 |
| | 102 | 22 | 15.095 | | 35 | 10 | 2.144 | | 95 | 20 | 12.865 |
| | 105 | 5 | 4.288 | | 37 | 10.25 | 2.352 | | 95 | 30 | 16.724 |
| | 105 | 10 | 8.148 | | 38 | 4 | 1.166 | | 100 | 2 | 1.681 |
| | 105 | 12 | 9.571 | | 40 | 2 | 0.652 | | 100 | 3 | 2.496 |
| | 110 | 8.5 | 7.399 | | 40 | 4 | 1.235 | | 100 | 5 | 4.074 |
| | 110 | 14 | 11.527 | | 40 | 10 | 2.573 | | 100 | 8 | 6.312 |
| | 110 | 20 | 15.438 | | 40 | 12.5 | 2.948 | | 100 | 10 | 7.719 |
| | 112 | 3 | 2.805 | | 42 | 6 | 1.853 | | 100 | 20 | 13.722 |
| | 118 | 10 | 9.16 | | 42 | 7 | 2.101 | | 100 | 25 | 16.081 |
| | 120 | 10 | 9.434 | | 42 | 10 | 2.744 | | 100 | 30 | 18.011 |
| | 120 | 15 | 13.409 | | 47 | 6 | 2.110 | | 105 | 12.5 | 9.917 |
| | 120 | 18 | 15.631 | | 48 | 2 | 0.789 | | 105 | 15 | 11.578 |
| | 130 | 18 | 17.290 | | 48 | 3 | 1.158 | | 105 | 20 | 14.580 |
| | 130 | 25 | 22.513 | | 48 | 4 | 1.509 | | 105 | 25 | 17.153 |
| | 135 | 15 | 15.438 | | 48 | 10 | 3.259 | | 108 | 3 | 2.702 |
| | 140 | 5 | 5.789 | | 50 | 2 | 0.823 | | 108 | 5 | 4.417 |
| | 140 | 10 | 11.150 | | 50 | 4 | 1.578 | | 110 | 3 | 2.753 |
| | 142 | 10 | 11.321 | | 50 | 12 | 3.911 | | 110 | 5 | 4.503 |
| | 150 | 10 | 12.007 | | 50 | 12.75 | 4.073 | | 110 | 10 | 8.577 |
| | 150 | 12 | 14.203 | | 50 | 15 | 4.503 | | 110 | 15 | 12.222 |
| | 153 | 11 | 13.397 | | 50 | 20 | 5.146 | | 110 | 20 | 15.438 |
| | 155 | 15 | 18.011 | | 60 | 2 | 0.995 | | 110 | 25 | 18.225 |
| | 155 | 22.5 | 25.569 | | 60 | 3 | 1.467 | | 110 | 30 | 20.584 |
| | 172 | 30 | 36.536 | | 60 | 15 | 5.789 | | 114 | 5.5 | 5.118 |
| | 180 | 18 | 25.009 | | 60 | 20 | 6.861 | | 115 | 5 | 4.717 |
| | 200 | 12 | 19.349 | | 60 | 21 | 7.024 | | 115 | 10 | 9.005 |
| | 200 | 20 | 30.876 | | 70 | 20 | 8.577 | | 115 | 15 | 12.865 |
| | 203 | 23.5 | 36.178 | | 70 | 25 | 9.649 | | 115 | 20 | 16.295 |
| | 230 | 18 | 32.728 | | 80 | 3 | 1.981 | | 120 | 3 | 3.010 |
| | | | | | 80 | 4 | 2.607 | | 120 | 4 | 3.980 |
| | | | | | 80 | 8 | 4.940 | | 120 | 5 | 4.932 |
| | | | | | 80 | 25 | 11.793 | | 120 | 8 | 7.685 |
| | | | | | 80 | 30 | 12.865 | | 120 | 20 | 17.153 |
| | | | | | 82 | 8 | 5.077 | | 120 | 25 | 20.369 |
| | | | | | 84.5 | 7.75 | 5.101 | | 120 | 30 | 23.157 |
| | | | | | 85 | 17.5 | 10.131 | | 120 | 35 | 25.515 |
| | | | | | 85 | 20 | 11.150 | | 120 | 37.5 | 26.534 |
| | | | | | 85 | 25 | 12.865 | | 120 | 40 | 27.445 |
| | | | | | 89 | 8 | 5.558 | | 122 | 37 | 26.973 |
| | | | | | 90 | 2 | 1.509 | | 125 | 5 | 5.146 |
| | | | | | 90 | 3 | 2.238 | | 125 | 10 | 9.863 |
| | | | | | 90 | 5 | 3.645 | | 125 | 15 | 14.151 |
| | | | | | 90 | 15 | 9.649 | | 125 | 20 | 18.011 |
| | | | | | 90 | 20 | 12.007 | | 125 | 25 | 21.441 |
| | | | | | 90 | 25 | 13.937 | | 125 | 30 | 24.443 |
| | | | | | 90 | 29 | 15.172 | | 125 | 40 | 29.160 |
| | | | | | 90 | 30 | 15.438 | | | | |

Round tubes



| Item | φ (mm) | T(mm) | kg/m | Item | φ (mm) | T(mm) | kg/m | Item | φ (mm) | T(mm) | kg/m |
|------|--------|-------|--------|------|--------|-------|--------|------|--------|-------|--------|
| | 130 | 5 | 5.360 | | 165 | 9.5 | 12.670 | | 200 | 10 | 16.295 |
| | 130 | 10 | 10.292 | | 165 | 10 | 13.294 | | 200 | 15 | 23.800 |
| | 130 | 15 | 14.795 | | 165 | 15 | 19.297 | | 200 | 20 | 30.876 |
| | 130 | 20 | 18.868 | | 165 | 20 | 24.872 | | 200 | 25 | 37.522 |
| | 130 | 30 | 25.730 | | 167 | 23 | 28.406 | | 200 | 30 | 43.740 |
| | 130 | 40 | 30.876 | | 168 | 18 | 23.157 | | 200 | 45 | 59.821 |
| | 130 | 50 | 34.306 | | 170 | 5 | 7.076 | | 200 | 50 | 64.324 |
| | 135 | 10 | 10.721 | | 170 | 10 | 13.722 | | 200 | 60 | 72.043 |
| | 135 | 17.5 | 17.636 | | 170 | 15 | 19.940 | | 201 | 11 | 17.925 |
| | 135 | 20 | 19.726 | | 170 | 20 | 25.730 | | 205 | 12.5 | 20.637 |
| | 136 | 24 | 23.054 | | 170 | 25 | 31.090 | | 205 | 15 | 24.443 |
| | 140 | 3 | 3.525 | | 170 | 30 | 36.021 | | 205 | 32.5 | 48.082 |
| | 140 | 15 | 16.081 | | 170 | 50 | 51.459 | | 205 | 35.25 | 51.319 |
| | 140 | 20 | 20.584 | | 170.6 | 5.8 | 8.198 | | 210 | 10 | 17.153 |
| | 140 | 25 | 24.658 | | 172 | 31.5 | 37.958 | | 210 | 15 | 25.086 |
| | 140 | 30 | 28.303 | | 175 | 10 | 14.151 | | 210 | 20 | 32.591 |
| | 140 | 40 | 34.306 | | 175 | 15 | 20.584 | | 210 | 25 | 39.667 |
| | 140 | 50 | 38.594 | | 175 | 20 | 26.587 | | 210 | 30 | 46.313 |
| | 143 | 11.5 | 12.970 | | 176 | 35 | 42.325 | | 210 | 40 | 58.320 |
| | 145 | 5 | 6.004 | | 180 | 3 | 4.554 | | 210 | 45 | 63.681 |
| | 145 | 10 | 11.578 | | 180 | 4 | 6.038 | | 210 | 50 | 68.612 |
| | 145 | 15 | 16.724 | | 180 | 5 | 7.504 | | 211 | 5.5 | 9.694 |
| | 145 | 20 | 21.441 | | 180 | 8 | 11.801 | | 215 | 31.5 | 49.575 |
| | 146 | 10.25 | 11.934 | | 180 | 10 | 14.580 | | 220 | 5 | 9.220 |
| | 146 | 37 | 34.589 | | 180 | 15 | 21.227 | | 220 | 10 | 18.011 |
| | 150 | 3 | 3.782 | | 180 | 20 | 27.445 | | 220 | 15 | 26.373 |
| | 150 | 5 | 6.218 | | 180 | 25 | 33.234 | | 220 | 20 | 34.306 |
| | 150 | 15 | 17.367 | | 180 | 30 | 38.594 | | 220 | 30 | 48.886 |
| | 150 | 20 | 22.299 | | 180 | 38 | 46.279 | | 220 | 40 | 61.751 |
| | 150 | 25 | 26.802 | | 180 | 40 | 48.029 | | 220 | 50 | 72.901 |
| | 150 | 30 | 30.876 | | 180 | 50 | 55.748 | | 224 | 19 | 33.406 |
| | 150 | 35 | 34.521 | | 185 | 5 | 7.719 | | 225 | 15 | 27.016 |
| | 150 | 40 | 37.737 | | 185 | 10 | 15.009 | | 230 | 10 | 18.868 |
| | 150 | 46 | 41.030 | | 185 | 15 | 21.870 | | 230 | 15 | 27.659 |
| | 150 | 50 | 42.883 | | 185 | 20 | 28.303 | | 230 | 18 | 32.728 |
| | 151 | 39.5 | 37.773 | | 186 | 23 | 32.153 | | 230 | 20 | 36.021 |
| | 152 | 26 | 28.097 | | 186 | 41.5 | 51.431 | | 230 | 30 | 51.459 |
| | 153 | 11 | 13.397 | | 190 | 3 | 4.811 | | 230 | 35 | 58.535 |
| | 155 | 10 | 12.436 | | 190 | 5 | 7.933 | | 230 | 40 | 65.182 |
| | 155 | 12.5 | 15.277 | | 190 | 10 | 15.438 | | 230 | 50 | 77.189 |
| | 155 | 20 | 23.157 | | 190 | 15 | 22.513 | | 240 | 10 | 19.726 |
| | 155 | 25 | 27.874 | | 190 | 20 | 29.160 | | 240 | 16 | 30.738 |
| | 160 | 3 | 4.040 | | 190 | 25 | 35.378 | | 240 | 20 | 37.737 |
| | 160 | 5 | 6.647 | | 190 | 30 | 41.167 | | 240 | 30 | 54.032 |
| | 160 | 10 | 12.865 | | 190 | 40 | 51.459 | | 240 | 35 | 61.537 |
| | 160 | 15 | 18.654 | | 190 | 50 | 60.036 | | 240 | 40 | 68.612 |
| | 160 | 20 | 24.014 | | 195 | 15 | 23.157 | | 240 | 50 | 81.477 |
| | 160 | 25 | 28.946 | | 195 | 20 | 30.018 | | 245 | 10 | 20.155 |
| | 160 | 30 | 33.449 | | 200 | 5 | 8.362 | | 245 | 15 | 29.589 |
| | 160 | 40 | 41.167 | | 200 | 7 | 11.587 | | | | |
| | 160 | 50 | 47.171 | | 200 | 8 | 13.174 | | | | |

