

| NP INCHES | OD MM | Austenitic Steel | | | | | | | | | | | | | | Vol / m ³ | |
|-----------|---------|------------------|-----------------|-------------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------------|--------|
| | | 10 | 20 | 30 | STD | 40 | 60 | XS | 80 | 100 | 120 | 140 | 160 | XXS | 5S | | 10S |
| 1/8 | 10.30 | | | W-Thick Weight | 1.73 0.37 | 1.73 0.37 | | 2.41 0.47 | 2.41 0.47 | | | | | | | 1.24 0.28 | 0.0001 |
| 1/4 | 13.70 | | | | 2.24 0.63 | 2.24 0.63 | | 3.02 0.80 | 3.02 0.80 | | | | | | | 1.65 0.51 | 0.0001 |
| 3/8 | 17.10 | | | | 2.31 0.84 | 2.31 0.84 | | 3.20 1.10 | 3.20 1.10 | | | | | | | 1.65 0.64 | 0.0003 |
| 1/2 | 21.30 | | | | 2.77 1.27 | 2.77 1.27 | | 3.73 1.62 | 3.73 1.62 | | | | 4.78 1.95 | 7.47 2.55 | 1.65 0.82 | 2.11 1.01 | 0.0004 |
| 3/4 | 26.70 | | | | 2.87 1.69 | 2.87 1.69 | | 3.91 2.20 | 3.91 2.20 | | | | 5.56 2.90 | 7.82 3.64 | 1.65 1.04 | 2.11 1.31 | 0.0007 |
| 1 | 33.40 | | | | 3.38 2.50 | 3.38 2.50 | | 4.55 3.24 | 4.55 3.24 | | | | 6.35 4.24 | 9.09 5.45 | 1.65 1.33 | 2.77 2.13 | 0.0011 |
| 1 1/4 | 42.20 | | | | 3.56 3.39 | 3.56 3.39 | | 4.85 4.47 | 4.85 4.47 | | | | 6.35 5.61 | 9.70 7.77 | 1.65 1.68 | 2.77 2.76 | 0.0018 |
| 1 1/2 | 48.30 | | | | 3.68 4.05 | 3.68 4.05 | | 5.08 5.41 | 5.08 5.41 | | | | 7.14 7.25 | 10.15 9.56 | 1.65 1.95 | 2.77 3.17 | 0.0023 |
| 2 | 60.30 | | | | 3.91 5.44 | 3.91 5.44 | | 5.54 7.48 | 5.54 7.48 | | | | 8.74 11.11 | 11.07 13.44 | 1.65 2.44 | 2.77 4.01 | 0.0036 |
| 2 1/2 | 73.00 | | | | 5.16 8.63 | 5.16 8.63 | | 7.01 11.41 | 7.01 11.41 | | | | 9.53 14.92 | 14.02 20.39 | 2.11 3.77 | 3.05 5.36 | 0.0053 |
| 3 | 88.90 | | | | 5.49 11.29 | 5.49 11.29 | | 7.62 15.27 | 7.62 15.27 | | | | 11.13 21.35 | 15.24 27.68 | 2.11 4.60 | 3.05 6.59 | 0.0079 |
| 3 1/2 | 101.60 | | | | 5.74 13.57 | 5.74 13.57 | | 8.08 18.63 | 8.08 18.63 | | | | - | - | 2.11 5.29 | 3.05 7.55 | 0.0103 |
| 4 | 114.30 | | | | 6.02 16.07 | 6.02 16.07 | | 8.56 22.32 | 8.56 22.32 | | 11.13 28.32 | | 13.49 33.54 | 17.12 41.03 | 2.11 5.96 | 3.05 8.52 | 0.0130 |
| 5 | 141.30 | | | | 6.55 21.77 | 6.55 21.77 | | 9.53 30.97 | 9.53 30.97 | | 12.70 40.28 | | 15.88 49.11 | 19.05 57.43 | 2.77 9.67 | 3.40 11.82 | 0.0199 |
| 6 | 168.30 | | | | 7.11 28.26 | 7.11 28.26 | | 10.97 42.56 | 10.97 42.56 | | 14.27 54.20 | | 18.26 67.56 | 21.95 79.22 | 2.77 11.55 | 3.40 14.13 | 0.0280 |
| 8 | 219.10 | | 6.35 33.31 | 7.04 36.81 | 8.18 42.55 | 8.18 42.55 | 10.31 53.08 | 12.70 64.64 | 12.70 64.64 | 15.09 75.92 | 18.26 90.44 | 20.62 100.92 | 23.01 111.27 | 22.23 107.92 | 2.77 15.09 | 3.76 20.37 | 0.0480 |
| 10 | 273.10 | | 6.35 41.77 | 7.80 51.03 | 9.27 60.31 | 9.27 60.31 | 12.70 81.55 | 12.70 81.55 | 15.09 96.01 | 18.26 114.75 | 21.44 133.06 | 25.40 155.15 | 28.58 172.33 | 25.40 155.15 | 3.40 23.08 | 4.19 28.34 | 0.0740 |
| 12 | 323.90 | | 6.35 49.73 | 8.38 65.20 | 9.53 73.88 | 10.31 79.73 | 14.27 108.96 | 12.70 97.46 | 17.48 132.08 | 21.44 159.91 | 25.40 186.97 | 28.58 208.14 | 33.32 238.76 | 25.40 186.97 | 3.96 31.89 | 4.57 36.73 | 0.1040 |
| 14 | 355.60 | 6.35 54.69 | 7.92 67.90 | 9.53 81.33 | 9.53 81.33 | 11.13 94.55 | 15.09 126.71 | 12.70 107.39 | 19.05 158.10 | 23.83 194.96 | 27.79 224.65 | 31.75 253.56 | 35.71 281.70 | | 3.96 35.06 | 4.78 42.14 | 0.1260 |
| 16 | 406.40 | 6.35 62.64 | 7.92 77.83 | 9.53 93.27 | 9.53 93.27 | 12.70 123.30 | 16.66 160.12 | 12.70 123.30 | 21.44 203.53 | 26.19 245.56 | 30.96 286.64 | 36.53 333.19 | 40.49 365.35 | | 4.19 42.41 | 4.78 48.26 | 0.1650 |
| 18 | 457.00 | 6.35 70.57 | 7.92 87.71 | 11.13 122.38 | 9.53 105.16 | 14.27 155.80 | 19.05 205.74 | 12.70 139.15 | 23.88 254.55 | 29.36 309.62 | 34.93 363.56 | 39.67 408.26 | 45.24 459.37 | | 4.19 47.77 | 7.78 60.46 | 0.2080 |
| 20 | 508.00 | 6.35 78.55 | 9.53 117.15 | 12.70 155.12 | 9.53 117.15 | 15.09 183.42 | 20.62 247.83 | 12.70 155.12 | 26.19 311.17 | 32.54 381.53 | 38.10 441.49 | 44.45 508.11 | 50.01 564.81 | | 4.78 60.46 | 5.54 70.00 | 0.2580 |
| 22 | 559.00 | 6.35 86.54 | 9.53 129.13 | 12.70 171.09 | 9.53 129.13 | - | 22.23 294.25 | 12.70 171.09 | 28.58 373.83 | 34.93 451.42 | 41.28 527.02 | 47.63 600.63 | 53.98 672.26 | | 4.78 66.57 | 5.54 77.06 | 0.3120 |
| 24 | 610.00 | 6.35 94.53 | 9.53 141.12 | 14.27 209.64 | 9.53 141.12 | 17.48 255.41 | 24.61 355.26 | 12.70 187.06 | 30.96 442.08 | 38.39 547.71 | 46.02 640.03 | 52.37 720.15 | 59.54 808.22 | | 5.54 84.16 | 6.35 96.37 | 0.3720 |
| 26 | 660.00 | 7.92 127.36 | 12.70 202.72 | - | 9.53 152.87 | - | | 12.70 202.72 | | | | | | | | | 0.4350 |
| 28 | 711.00 | 7.92 137.32 | 12.70 218.69 | 15.88 271.21 | 9.53 164.85 | - | | 12.70 218.69 | | | | | | | | | 0.5050 |
| 30 | 762.00 | 7.92 147.28 | 12.70 234.67 | 15.88 292.18 | 9.53 176.84 | - | | 12.70 234.67 | | | | | | | 6.35 120.72 | 7.92 150.36 | 0.5800 |
| 32 | 813.00 | 7.92 157.24 | 12.70 250.64 | 15.88 312.15 | 9.53 188.82 | 17.48 342.91 | | 12.70 250.64 | | | | | | | | | 0.6600 |
| 34 | 864.00 | 7.92 167.20 | 12.70 266.61 | 15.88 332.12 | 9.53 200.31 | 17.48 364.90 | | 12.70 266.61 | | | | | | | | | 0.7460 |
| 36 | 914.00 | 7.92 176.96 | 12.70 282.27 | 15.88 351.70 | 9.53 212.56 | 19.05 420.42 | | 12.70 282.27 | | | | | | | | | 0.8350 |
| 38 | 965.00 | | | | 9.53 224.54 | | | 12.70 298.24 | | | | | | | | | 0.9310 |
| 40 | 1016.00 | | | | 9.53 236.53 | | | 12.70 314.22 | | | | | | | | | 1.0320 |
| 42 | 1067.00 | | | | 9.53 248.52 | | | 12.70 330.19 | | | | | | | | | 1.1380 |
| 44 | 1118.00 | | | | 9.53 260.50 | | | 12.70 346.16 | | | | | | | | | 1.2490 |
| 46 | 1168.00 | | | | 9.53 272.25 | | | 12.70 351.82 | | | | | | | | | 1.3640 |
| 48 | 1219.00 | | | | 9.53 284.24 | | | 12.70 377.79 | | | | | | | | | 1.4850 |

NP = NOMINAL PIPE SIZE

WALL THICKNESS = MM

WEIGHT = KG/METRE

| | | | | | | | | | | | | | | | Austenitic Steel | | | |
|-----------|-----------|-----------------|-----------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|-----------------|--------------|--------|
| NP INCHES | OD INCHES | 10 | 20 | 30 | STD | 40 | 60 | XS | 80 | 100 | 120 | 140 | 160 | XXS | 5S | 10S | Vol / ft ft' | |
| 1/8" | 0.405 | | | W-Thick Weight → | 0.068 0.24 | 0.068 0.24 | | 0.095 0.31 | 0.095 0.31 | | | | | | | 0.049 0.19 | 0.004 | |
| 1/4" | 0.540 | | | | 0.088 0.42 | 0.088 0.42 | | 0.119 0.54 | 0.119 0.54 | | | | | | | 0.065 0.34 | 0.007 | |
| 3/8" | 0.675 | | | | 0.091 0.57 | 0.091 0.57 | | 0.126 0.74 | 0.126 0.74 | | | | | | | 0.065 0.43 | 0.011 | |
| 1/2" | 0.840 | | | | 0.109 0.85 | 0.109 0.85 | | 0.147 1.09 | 0.147 1.09 | | | | 0.188 1.31 | 0.294 1.71 | 0.065 0.55 | 0.083 0.68 | 0.014 | |
| 3/4" | 1.050 | | | | 0.113 1.13 | 0.113 1.13 | | 0.154 1.47 | 0.154 1.47 | | | | 0.219 1.94 | 0.308 2.44 | 0.065 0.70 | 0.083 0.88 | 0.025 | |
| 1" | 1.315 | | | | 0.133 1.68 | 0.133 1.68 | | 0.179 2.17 | 0.179 2.17 | | | | 0.250 2.84 | 0.358 3.66 | 0.065 0.89 | 0.109 1.43 | 0.039 | |
| 1 1/4" | 1.660 | | | | 0.140 2.27 | 0.140 2.27 | | 0.191 3.00 | 0.191 3.00 | | | | 0.250 3.76 | 0.382 5.21 | 0.065 1.13 | 0.109 1.85 | 0.064 | |
| 1 1/2" | 1.900 | | | | 0.145 2.72 | 0.145 2.72 | | 0.200 3.63 | 0.200 3.63 | | | | 0.281 4.86 | 0.400 6.41 | 0.065 1.31 | 0.109 2.13 | 0.081 | |
| 2" | 2.375 | | | | 0.154 3.65 | 0.154 3.65 | | 0.218 5.02 | 0.218 5.02 | | | | 0.344 7.46 | 0.436 9.03 | 0.065 1.64 | 0.109 2.69 | 0.127 | |
| 2 1/2" | 2.875 | | | | 0.203 5.79 | 0.203 5.79 | | 0.276 7.66 | 0.276 7.66 | | | | 0.375 10.01 | 0.552 13.69 | 0.083 2.53 | 0.120 3.60 | 0.187 | |
| 3" | 3.500 | | | | 0.216 7.58 | 0.216 7.58 | | 0.300 10.25 | 0.300 10.25 | | | | 0.438 14.32 | 0.600 18.58 | 0.083 3.09 | 0.120 4.42 | 0.279 | |
| 3 1/2" | 4.000 | | | | 0.226 9.11 | 0.226 9.11 | | 0.318 12.50 | 0.318 12.50 | | | | - | - | 0.083 3.55 | 0.120 5.07 | 0.364 | |
| 4" | 4.500 | | | | 0.237 10.79 | 0.237 10.79 | | 0.337 14.98 | 0.337 14.98 | | 0.438 19.00 | | 0.531 22.51 | 0.674 27.54 | 0.083 4.00 | 0.120 5.72 | 0.459 | |
| 5" | 5.563 | | | | 0.258 14.62 | 0.258 14.62 | | 0.375 20.78 | 0.375 20.78 | | 0.500 27.04 | | 0.625 32.96 | 0.750 38.55 | 0.109 6.49 | 0.134 7.93 | 0.703 | |
| 6" | 6.625 | | | | 0.280 18.97 | 0.280 18.97 | | 0.432 28.57 | 0.432 28.57 | | 0.562 36.39 | | 0.719 45.35 | 0.864 53.16 | 0.109 7.75 | 0.134 9.48 | 0.989 | |
| 8" | 8.625 | | 0.250 22.36 | 0.277 24.70 | 0.322 28.55 | 0.322 28.55 | 0.406 35.64 | 0.500 43.39 | 0.500 43.39 | 0.594 50.95 | 0.719 60.71 | 0.812 67.76 | 0.906 74.69 | 0.875 72.42 | 0.109 10.13 | 0.148 13.67 | 1.695 | |
| 10" | 10.750 | | 0.250 28.04 | 0.307 34.24 | 0.365 40.48 | 0.365 40.48 | 0.500 54.74 | 0.500 54.74 | 0.594 64.43 | 0.719 77.03 | 0.844 89.29 | 1.000 104.13 | 1.125 115.64 | 1.000 104.13 | 0.134 15.49 | 0.165 19.02 | 2.613 | |
| 12" | 12.750 | | 0.250 33.38 | 0.330 43.77 | 0.375 49.56 | 0.406 53.52 | 0.562 73.15 | 0.500 65.42 | 0.688 88.63 | 0.844 107.32 | 1.000 125.49 | 1.125 139.67 | 1.312 160.27 | 1.000 125.49 | 0.156 21.40 | 0.180 24.65 | 3.673 | |
| 14" | 14.000 | 0.250 36.71 | 0.312 45.61 | 0.375 54.57 | 0.375 54.57 | 0.438 63.44 | 0.594 85.05 | 0.500 72.09 | 0.750 106.13 | 0.938 130.85 | 1.094 150.79 | 1.250 170.21 | 1.406 189.11 | | 0.156 23.53 | 0.188 28.28 | 4.450 | |
| 16" | 16.000 | 0.250 42.05 | 0.312 52.27 | 0.375 62.58 | 0.375 62.58 | 0.500 82.77 | 0.656 107.50 | 0.500 82.77 | 0.844 136.61 | 1.031 164.82 | 1.129 192.43 | 1.438 223.64 | 1.594 245.25 | | 0.165 28.46 | 0.188 32.39 | 5.827 | |
| 18" | 18.000 | 0.250 47.39 | 0.312 58.94 | 0.438 82.15 | 0.375 70.59 | 0.562 104.67 | 0.750 138.17 | 0.500 92.45 | 0.938 170.92 | 1.156 207.96 | 1.375 244.14 | 1.562 274.22 | 1.781 308.50 | | 0.165 32.06 | 0.188 36.48 | 7.345 | |
| 20" | 20.000 | 0.250 52.73 | 0.375 78.60 | 0.500 104.13 | 0.375 78.60 | 0.594 123.11 | 0.812 166.40 | 0.500 104.13 | 1.031 208.87 | 1.281 256.10 | 1.500 296.37 | 1.750 341.09 | 1.969 379.17 | | 0.188 40.58 | 0.218 46.98 | 9.111 | |
| 22" | 22.000 | 0.250 58.07 | 0.375 86.61 | 0.500 114.81 | 0.375 86.61 | - | 0.875 197.41 | 0.500 114.81 | 1.125 250.81 | 1.375 302.88 | 1.625 353.61 | 1.875 403.00 | 2.125 451.06 | | 0.188 44.68 | 0.218 51.72 | 11.018 | |
| 24" | 24.000 | 0.250 63.41 | 0.375 94.62 | 0.562 140.68 | 0.375 94.62 | 0.688 171.29 | 0.969 238.35 | 0.500 125.49 | 1.219 296.58 | 1.531 367.39 | 1.812 429.39 | 2.062 483.12 | 2.344 542.13 | | 0.218 56.48 | 0.250 64.68 | 13.137 | |
| 26" | 26.000 | 0.312 85.60 | 0.500 136.17 | - | 0.375 102.63 | - | - | 0.500 136.17 | - | - | - | - | - | | - | - | 15.361 | |
| 28" | 28.000 | 0.312 92.26 | 0.500 146.85 | 0.625 182.73 | 0.375 110.64 | - | - | 0.500 146.85 | - | - | - | - | - | | - | - | 17.833 | |
| 30" | 30.000 | 0.312 98.93 | 0.500 157.53 | 0.625 196.08 | 0.375 118.65 | - | - | 0.500 157.53 | - | - | - | - | - | | 0.250 81.02 | 0.312 100.91 | 20.482 | |
| 32" | 32.000 | 0.312 105.59 | 0.500 168.21 | 0.625 209.43 | 0.375 126.66 | 0.688 230.08 | - | 0.500 168.21 | - | - | - | - | - | | - | - | 23.307 | |
| 34" | 34.000 | 0.312 112.25 | 0.500 178.89 | 0.625 222.78 | 0.375 134.67 | 0.688 244.77 | - | 0.500 178.89 | - | - | - | - | - | | - | - | 26.344 | |
| 36" | 36.000 | 0.312 118.92 | 0.500 189.57 | 0.625 236.13 | 0.375 142.68 | 0.750 282.35 | - | 0.500 189.57 | - | - | - | - | - | | - | - | 29.487 | |
| 38" | 38.000 | | | | 0.375 150.69 | | | 0.500 200.25 | | | | | | | | | | 32.877 |
| 40" | 40.000 | | | | 0.375 158.70 | | | 0.500 210.93 | | | | | | | | | | 36.444 |
| 42" | 42.000 | | | | 0.375 166.71 | | | 0.500 221.61 | | | | | | | | | | 40.187 |
| 44" | 44.000 | | | | 0.375 174.72 | | | 0.500 232.29 | | | | | | | | | | 44.107 |
| 46" | 46.000 | | | | 0.375 182.73 | | | 0.500 242.97 | | | | | | | | | | 48.168 |
| 48" | 48.000 | | | | 0.375 190.74 | | | 0.500 253.65 | | | | | | | | | | 52.441 |

NP = NOMINAL PIPE SIZE

WALL THICKNESS = INCHES

WEIGHT = LBS/FT