

CARBON STEEL PIPE SIZE CHART

Pipe Sizes, Diameters,
Wall Thickness, Working Pressure

Based on ANSI B36.10 and ANSI B36.19

| Nominal Size (in) | Outside Diameter (in) | Schedule Number or Weight | Wall Thickness (in) | Inside Diameter (in) | Pipe Weight (lbs/ft) | Working Pressure at 400°F (psig) |
|-------------------|-----------------------|---------------------------|---------------------|----------------------|----------------------|----------------------------------|
| ¼ | 0.540 | 40ST | 0.088 | 0.364 | 0.424 | 188 |
| | | 80XS | 0.119 | 0.302 | 0.535 | 871 |
| ⅜ | 0.675 | 40ST | 0.091 | 0.493 | 0.567 | 203 |
| | | 80XS | 0.126 | 0.423 | 0.738 | 820 |
| ½ | 0.840 | 40ST | 0.109 | 0.622 | 0.850 | 214 |
| | | 80XS | 0.147 | 0.546 | 1.087 | 753 |
| ¾ | 1.050 | 40ST | 0.113 | 0.824 | 1.13 | 217 |
| | | 80XS | 0.154 | 0.742 | 1.47 | 681 |
| 1 | 1.315 | 40ST | 0.133 | 1.049 | 1.68 | 226 |
| | | 80XS | 0.179 | 0.957 | 2.17 | 642 |
| 1¼ | 1.660 | 40ST | 0.140 | 1.380 | 2.27 | 229 |
| | | 80XS | 0.191 | 1.278 | 2.99 | 594 |
| 1½ | 1.900 | 40ST | 0.145 | 1.610 | 2.72 | 231 |
| | | 80XS | 0.200 | 1.500 | 3.63 | 576 |
| 2 | 2.375 | 40ST | 0.154 | 2.067 | 3.65 | 230 |
| | | 80XS | 0.218 | 1.939 | 5.02 | 551 |
| 2½ | 2.875 | 40ST | 0.203 | 2.469 | 5.79 | 533 |
| | | 80XS | 0.276 | 2.323 | 7.66 | 835 |
| 3 | 3.500 | 40ST | 0.216 | 3.068 | 7.57 | 482 |
| | | 80XS | 0.300 | 2.900 | 10.25 | 767 |
| 4 | 4.500 | 40ST | 0.237 | 4.026 | 10.78 | 430 |
| | | 80XS | 0.337 | 3.826 | 14.97 | 695 |
| 6 | 6.625 | 40ST | 0.280 | 6.065 | 18.96 | 696 |
| | | 80XS | 0.432 | 5.761 | 28.55 | 1209 |
| 8 | 8.625 | 30 | 0.277 | 8.071 | 24.68 | 526 |
| | | 40ST | 0.322 | 7.981 | 28.53 | 643 |
| | | 80XS | 0.500 | 7.625 | 43.35 | 1106 |

| Nominal Size (in) | Outside Diameter (in) | Schedule Number or Weight | Wall Thickness (in) | Inside Diameter (in) | Pipe Weight (lbs/ft) | Working Pressure at 400°F (psig) |
|-------------------|-----------------------|---------------------------|---------------------|----------------------|----------------------|----------------------------------|
| 10 | 10.75 | 30 | 0.307 | 10.136 | 34.21 | 485 |
| | | 40ST | 0.365 | 10.202 | 40.45 | 606 |
| | | XS | 0.500 | 9.750 | 54.69 | 887 |
| | | 80 | 0.593 | 9.564 | 64.28 | 1018 |
| | | 30 | 0.307 | 10.136 | 34.21 | 485 |
| | | 40ST | 0.365 | 10.202 | 40.45 | 606 |
| 12 | 12.75 | XS | 0.500 | 9.750 | 54.69 | 887 |
| | | 80 | 0.593 | 9.564 | 64.28 | 1018 |
| | | 30 | 0.330 | 12.090 | 43.74 | 449 |
| | | ST | 0.375 | 12.000 | 49.52 | 528 |
| | | 40 | 0.406 | 11.938 | 53.48 | 583 |
| | | XS | 0.500 | 11.750 | 65.37 | 748 |
| 14 | 14.00 | 80 | 0.687 | 11.376 | 88.44 | 1076 |
| | | 30ST | 0.375 | 13.250 | 54.53 | 481 |
| | | 40 | 0.437 | 13.126 | 63.25 | 580 |
| | | XS | 0.500 | 13.000 | 72.04 | 681 |
| 16 | 16.00 | 80 | 0.750 | 12.500 | 106.05 | 1081 |
| | | 30ST | 0.375 | 15.250 | 62.53 | 421 |
| 18 | 18.00 | 40XS | 0.500 | 15.000 | 82.71 | 596 |
| | | ST | 0.375 | 17.250 | 70.54 | 374 |
| 20 | 20.00 | 30 | 0.437 | 17.126 | 81.91 | 451 |
| | | XS | 0.500 | 17.000 | 93.38 | 530 |
| | | 40 | 0.562 | 16.876 | 104.59 | 607 |
| 20 | 20.00 | 20ST | 0.375 | 19.250 | 78.54 | 337 |
| | | 30XS | 0.500 | 19.000 | 104.05 | 477 |
| | | 40 | 0.593 | 18.814 | 122.82 | 581 |



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