| Nom. Bore | | Cast Iron | | | | Steel | | uPVC (ANSI/AWWA C905-88 14"-36") | | Cu | DI | PE | Asbestos Cement | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | Class 100 | | | Class 150 | | | Class 200 | | |
| Inch | mm | Class A | Class B | Class C | Class D | Standard | API 5L | IPS PVC | ANSI/ AWWA C900-89 | Tubing | ASNI/ AWWA C151 A21.51 -91 | ANSI/ AWWA C906-90 | Turned End | R B min | R B Max | Turned End | R B min | R B Max | Turned End | R B min | R B Max |
| 1/2 | 15 | - | - | - | - | 0.84 | 0.84 | 0.84 | - | 0.625 | - | - | - | - | - | - | - | - | - | - | - |
| 3/4 | 20 | - | - | - | - | 1.05 | 1.05 | 1.05 | - | 0.875 | - | - | - | - | - | - | - | - | - | - | - |
| 1 | 25 | - | - | - | - | 1.315 | 1.315 | 1.315 | - | 1.125 | - | - | - | - | - | - | - | - | - | - | - |
| 1-1/4 | 32 | - | - | - | - | 1.66 | 1.66 | 1.66 | - | 1.375 | - | - | - | - | - | - | - | - | - | - | - |
| 1-1/2 | 40 | - | - | - | - | 1.90 | 1.90 | 1.90 | - | 1.625 | - | - | - | - | - | - | - | - | - | - | - |
| 2 | 50 | 2.5 | - | - | - | 2.375 | 2.375 | 2.375 | - | 2.125 | - | - | - | - | - | - | - | - | - | - | - |
| 2-1/2 | 65 | - | - | - | - | 2.875 | 2.875 | 2.875 | - | 2.625 | - | - | - | - | - | - | - | - | - | - | - |
| 3 | 80 | 3.8 | 3.96 | 3.96 | 3.96 | 3.5 | 3.5 | 3.5 | - | 3.125 | 3.96 | - | 3.74 | - | - | 3.84 | - | - | 3.84 | - | - |
| 4 | 100 | 4.8 | 5.0 | 5.0 | 5.0 | 4.5 | 4.5 | 4.5 | 4.8 | 4.125 | 4.8 | 4.5 | 4.64 | 4.79 | 5.26 | 4.81 | 4.97 | 5.32 | 4.81 | 5.22 | 5.57 |
| 5 | 125 | - | - | - | - | 5.56 | 5.56 | - | - | 5.125 | - | 5.563 | - | - | - | - | - | - | - | - | - |
| 6 | 150 | 6.9 | 7.1 | 7.1 | 7.1 | 6.625 | 6.625 | 6.625 | 6.9 | 6.125 | 6.9 | 6.625 | 6.91 | 7.05 | 7.4 | 6.91 | 7.07 | 7.37 | 6.91 | 7.26 | 7.6 |
| 8 | 200 | 9.05 | 9.05 | 9.3 | 9.3 | 8.625 | 8.625 | 8.625 | 9.05 | - | 9.05 | 8.625 | 9.11 | 9.22 | 9.57 | 9.11 | 9.27 | 9.62 | 9.11 | 9.39 | 9.79 |
| 10 | 250 | 11.1 | 11.1 | 11.4 | 11.4 | 10.75 | 10.75 | 10.75 | 11.1 | - | 11.1 | 10.75 | 11.24 | 11.25 | 11.77 | 11.66 | 11.82 | 12.12 | 11.66 | 11.77 | 12.12 |
| 12 | 300 | 13.2 | 13.2 | 13.5 | 13.5 | 12.75 | 12.75 | 12.75 | 13.2 | - | 13.2 | 12.75 | 13.44 | 13.37 | 14.04 | 13.92 | 14.08 | 14.38 | 13.92 | 14.08 | 14.38 |
| 14 | 350 | 15.3 | 15.3 | 15.65 | 15.65 | 14.0 | 14.0 | 14.0 | 15.3 | - | 15.3 | 14.0 | 15.07 | 15.4 | 15.8 | 16.22 | 16.38 | 16.73 | 16.22 | 16.48 | 16.88 |
| 16 | 400 | 17.4 | 17.4 | 17.8 | 17.8 | 16.0 | 16.0 | 16.0 | 17.4 | - | 17.4 | 16.0 | 17.15 | 17.54 | 17.94 | 18.46 | 18.62 | 18.97 | 18.46 | 18.79 | 19.19 |
| 18 | 450 | 19.5 | 19.5 | 19.92 | 19.92 | 18.0 | 18.0 | 18.0 | 19.5 | - | 19.5 | 18.0 | 19.9 | - | - | 20.94 | - | - | - | - | - |
| 20 | 500 | 21.6 | 21.6 | 22.06 | 22.06 | 20.0 | 20.0 | 20.0 | 21.6 | - | 21.6 | 20.0 | 22.12 | - | - | 23.28 | - | - | - | - | - |
| 22 | 550 | - | - | - | - | - | - | - | - | - | - | 22.0 | 26.48 | - | - | - | - | - | - | - | - |
| 24 | 600 | 25.8 | 25.8 | 26.32 | 26.32 | 24.0 | 24.0 | 24.0 | 25.8 | - | 25.8 | 24.0 | - | - | - | 27.96 | - | - | - | - | - |
| 26 | 650 | - | - | - | - | 26.0 | 26.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 28 | 700 | - | - | - | - | 28.0 | 28.0 | - | - | - | - | 28.0 | - | - | - | - | - | - | - | - | - |
| 30 | 750 | 31.74 | 32.0 | 32.4 | 32.74 | 30.0 | 30.0 | 30.0 | 32.0 | - | 32.0 | - | - | - | - | - | - | - | - | - | - |
| 32 | 800 | - | - | - | - | 32.0 | 32.0 | - | - | - | - | 32.0 | - | - | - | - | - | - | - | - | - |
| 34 | 850 | - | - | - | - | 34.0 | 34.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 36 | 900 | 37.96 | 38.3 | 38.7 | 39.16 | 36.0 | 36.0 | 36.0 | 38.3 | - | 38.3 | 36.0 | - | - | - | - | - | - | - | - | - |
| 40 | 1000 | - | - | - | - | 40.0 | 40.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 42 | 1050 | 44.2 | 44.5 | 45.1 | 45.58 | - | 42.0 | - | - | - | 44.5 | 42.0 | - | - | - | - | - | - | - | - | - |
| 44 | 1100 | - | - | - | - | - | 44.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 48 | 1200 | 50.5 | 50.8 | 51.4 | 51.98 | 48.0 | 48.0 | - | - | - | 50.8 | 48.0 | - | - | - | - | - | - | - | - | - |
| 52 | 1300 | - | - | - | - | - | 52.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 54 | 1400 | 56.66 | 57.1 | 57.8 | 58.4 | - | - | - | - | - | - | 54.0 | - | - | - | - | - | - | - | - | - |
| 60 | 1500 | 62.8 | 63.4 | 64.2 | 64.82 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 64 | 1600 | - | - | - | - | 64.0 | 64.0 | - | - | - | - | 63.0 | - | - | - | - | - | - | - | - | - |
| 72 | 1800 | 75.34 | 76 | 76.88 | 77.74 | 72.0 | 72.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 80 | 2000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 84 | 2200 | 87.54 | 88.54 | 89.58 | 90.58 | 80.0 | 80. | - | - | - | - | - | - | - | - | - | - | - | - | - | - |