



ASTM A53 – 70 Welded and Seamless Steel Pipe

| Nominal Size | Outside Diameter | | Wall Thickness | | Class | Sched No. | Plain End | | | | | | | | |
|--------------|------------------|-------|----------------|------|-------|-----------|----------------|-------|-------|--------------------|-------|--------------------|-------|--------------------|-------|
| | | | | | | | Nominal Weight | | | Test Pressure min | | | | | |
| | | | | | | | | | | Butt Welded | | Grade A | | Grade B | |
| in | in | mm | in | mm | | lb/ft | Kg/ft | Kg/m | psi | Kg/cm ² | Psi | Kg/cm ² | Psi | Kg/cm ² | |
| 1/8 | .405 | 10.3 | .068 | 1.7 | Std | 40 | .24 | .11 | .36 | 700 | 49.2 | 700 | 49.2 | 700 | 49.2 |
| | | | .95 | 2.4 | Xs | 80 | .31 | .14 | .46 | 850 | 59.8 | 850 | 59.8 | 850 | 59.8 |
| ¼ | .540 | 13.7 | .088 | 2.2 | Std | 40 | .42 | .19 | .63 | 700 | 49.2 | 700 | 49.2 | 700 | 49.2 |
| | | | .119 | 3.0 | Xs | 80 | .54 | .24 | .80 | 850 | 59.8 | 850 | 59.8 | 850 | 59.8 |
| 8/8 | .675 | 17.1 | .091 | 2.3 | Std | 40 | .85 | .39 | 1.26 | 700 | 49.2 | 700 | 49.2 | 700 | 49.2 |
| | | | .126 | 3.2 | Xs | 80 | .74 | .34 | 1.10 | 850 | 59.8 | 850 | 59.8 | 850 | 59.8 |
| ½ | .840 | 21.3 | .109 | 2.8 | Std | 40 | .85 | .39 | 1.26 | 700 | 49.2 | 700 | 49.2 | 700 | 49.2 |
| | | | .147 | 3.7 | Xs | 80 | 1.09 | .49 | 1.62 | 850 | 59.8 | 850 | 59.8 | 850 | 59.8 |
| ¾ | 1.050 | 26.7 | .294 | 7.05 | Xxs | ... | 1.71 | .78 | 2.54 | 1000 | 70.3 | 1000 | 70.3 | 1000 | 70.3 |
| | | | .113 | 2.9 | Std | 40 | 1.13 | .51 | 1.68 | 700 | 49.2 | 700 | 49.2 | 700 | 49.2 |
| | | | .154 | 3.9 | Xs | 80 | 1.47 | .67 | 2.19 | 850 | 59.8 | 850 | 59.8 | 850 | 59.8 |
| | | | .308 | 9.1 | Xxs | ... | 2.44 | 1.11 | 3.63 | 1000 | 70.3 | 1000 | 70.3 | 1000 | 70.3 |
| 1 | 1.315 | 33.4 | .133 | 3.4 | Std | 40 | 1.68 | .76 | 2.50 | 700 | 49.2 | 700 | 70.3 | 1100 | 49.2 |
| | | | .179 | 4.5 | Xs | 80 | 2.17 | .98 | 3.23 | 850 | 59.8 | 850 | 59.8 | 850 | 59.8 |
| | | | .358 | 9.1 | Xxs | ... | 3.66 | 1.66 | 5.45 | 1000 | 70.3 | 1000 | 70.3 | 1000 | 70.3 |
| 1 ¼ | 1.660 | 42.2 | .140 | 3.6 | Std | 40 | 2.27 | 1.03 | 3.38 | 1000 | 70.3 | 1000 | 70.3 | 1100 | 77.3 |
| | | | .191 | 4.9 | Xs | 80 | 3.00 | 1.36 | 4.46 | 1300 | 91.4 | 1500 | 105.5 | 1600 | 112.5 |
| | | | .382 | 9.7 | Xxs | ... | 5.21 | 2.36 | 7.75 | 1400 | 98.4 | 1800 | 126.6 | 1900 | 133.6 |
| 1 ½ | 1.900 | 48.3 | .145 | 3.7 | Std | 40 | 2.72 | 1.23 | 4.05 | 1000 | 70.3 | 1000 | 70.3 | 1100 | 77.3 |
| | | | .200 | 5.1 | Xs | 80 | 3.63 | 1.65 | 5.40 | 1300 | 91.4 | 1500 | 105.5 | 1600 | 112.5 |
| | | | .400 | 10.2 | Xxs | ... | 6.41 | 2.91 | 9.54 | 1400 | 98.4 | 1800 | 126.6 | 1900 | 133.6 |
| 2 | 2.375 | 60.3 | .154 | 3.9 | Std | 40 | 3.65 | 1.66 | 5.43 | 1000 | 70.3 | 2300 | 161.7 | 2500 | 175.8 |
| | | | .218 | 5.5 | Xs | 80 | 5.02 | 2.28 | 7.47 | 1300 | 91.4 | 2500 | 175.8 | 2500 | 175.8 |
| | | | .344 | 8.7 | ... | 160 | 7.46 | 3.38 | 11.10 | ... | ... | 2500 | 175.8 | 2500 | 175.8 |
| | | | .436 | 11.1 | Xxs | ... | 9.03 | 4.10 | 13.44 | 1400 | 98.4 | 2500 | 175.8 | 2500 | 175.8 |
| 2 ½ | 2.875 | 73.0 | .203 | 5.2 | Std | 40 | 5.79 | 2.63 | 8.62 | 1000 | 70.3 | 2500 | 175.8 | 2500 | 175.8 |
| | | | .276 | 7.0 | Xs | 80 | 7.66 | 3.47 | 11.40 | 1300 | 91.4 | 2500 | 175.8 | 2500 | 175.8 |
| | | | .375 | 9.5 | ... | 160 | 10.0 | 4.54 | 14.90 | 1400 | 98.4 | 2500 | 175.8 | 2500 | 175.8 |
| | | | .552 | 14.0 | Xxs | ... | 13.70 | 6.21 | 20.39 | 1400 | 98.4 | 2500 | 175.8 | 2500 | 175.8 |
| 3 | 3500 | 88.9 | .188 | 4.8 | ... | ... | 6.65 | 3.02 | 9.90 | 1000 | 70.3 | ... | ... | ... | ... |
| | | | .216 | 5.5 | Std | 40 | 7.58 | 3.44 | 11.28 | 1000 | 70.3 | 2200 | 154.7 | 2500 | 175.8 |
| | | | .300 | 7.6 | Xs | 80 | 10.25 | 4.65 | 15.25 | 1300 | 91.4 | 2500 | 175.8 | 2500 | 175.8 |
| | | | .438 | 11.1 | ... | 160 | 14.32 | 6.50 | 21.31 | ... | ... | 2500 | 175.8 | 2500 | 175.8 |
| 3 1/2 | 4.000 | 101.6 | .600 | 15.2 | Xxs | ... | 18.58 | 8.43 | 27.65 | ... | ... | 2500 | 175.8 | 2500 | 175.8 |
| | | | .188 | 4.8 | ... | ... | 7.65 | 3.47 | 11.38 | 1200 | 84.4 | ... | ... | ... | ... |
| | | | .226 | 5.7 | Std | 40 | 9.11 | 4.13 | 13.56 | 1200 | 84.4 | 2000 | 140.6 | 2400 | 168.7 |
| 4 | 4.500 | 114.3 | .318 | 8.1 | Xs | 80 | 12.51 | 5.67 | 18.62 | 1700 | 119.5 | 2800 | 196.9 | 2800 | 196.9 |
| | | | .156 | 4.0 | ... | ... | 7.24 | 3.28 | 10.77 | 1000 | 70.3 | ... | ... | ... | ... |
| | | | .188 | 4.8 | ... | ... | 8.66 | 3.93 | 12.89 | 1200 | 84.4 | ... | ... | ... | ... |
| | | | .219 | 5.6 | ... | ... | 10.01 | 4.54 | 14.90 | 1200 | 84.4 | ... | ... | ... | ... |
| | | | .237 | 6.0 | std | 40 | 10.79 | 4.89 | 16.06 | 1200 | 119.5 | 1900 | 133.6 | 2200 | 154.7 |
| | | | .337 | 8.6 | xs | 80 | 14.98 | 6.79 | 22.29 | 1700 | ... | 2700 | 189.8 | 2800 | 196.9 |
| | | | .438 | 11.1 | ... | 120 | 19.00 | 8.62 | 28.28 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| 5 | 5.563 | 141.3 | .531 | 13.5 | ... | 160 | 22.51 | 10.21 | 33.50 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | .674 | 17.1 | xxs | ... | 27.54 | 12.49 | 40.98 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | .258 | 6.6 | std | 40 | 14.62 | 6.63 | 21.76 | ... | ... | 1700 | 119.5 | 1900 | 133.6 |
| | | | .375 | 9.5 | xs | 80 | 20.78 | 9.43 | 30.92 | ... | ... | 2400 | 168.7 | 2800 | 196.9 |
| | | | .500 | 12.7 | ... | 120 | 27.04 | 12.27 | 40.24 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | .625 | 15.9 | ... | 160 | 32.96 | 14.95 | 49.05 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | .750 | 19.0 | xxs | ... | 38.55 | 17.49 | 57.37 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |

Note: 1) Marks as std, xs and xxs indicate standard weight, extra and double extra strong respectively.

2) Please refer to size range of products for negotiation.



ASTM A53 - 70 Welded and Seamless Steel Pipe

| Nominal Size | | Outside Diameter | | Wall Thickness | | Class | Sched No. | Plain End | | | | | | | |
|--------------|--------|------------------|-------|----------------|-------|-------|-----------|----------------|--------|-------|--------------------|-------|--------------------|------|--------------------|
| | | | | | | | | Nominal Weight | | | Test Pressure min | | | | |
| | | | | | | | | | | | Butt Welded | | Grade A | | Grade B |
| in | in | mm | in | mm | | | lb/ft | Kg/ft | Kg/m | psi | Kg/cm ² | Psi | Kg/cm ² | Psi | Kg/cm ² |
| 6 | 6.625 | 168.3 | .280 | 7.1 | std | 40 | 18.97 | 8.60 | 28.23 | ... | ... | 1500 | 105.5 | 1800 | 126.6 |
| | | | .432 | 11.0 | xs | 80 | 28.57 | 12.96 | 42.52 | ... | ... | 2300 | 161.7 | 2700 | 189.9 |
| | | | .562 | 14.3 | ... | 120 | 36.39 | 16.51 | 54.15 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | .719 | 18.3 | ... | 160 | 45.35 | 20.57 | 67.49 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | .864 | 21.9 | xxs | ... | 53.16 | 24.11 | 79.11 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| 8 | 8.625 | 219.1 | .250 | 6.4 | ... | 20 | 22.36 | 10.14 | 33.28 | ... | ... | 1000 | 70.3 | 1200 | 84.4 |
| | | | .277 | 7.0 | ... | 30 | 24.70 | 11.20 | 36.76 | ... | ... | 1200 | 84.4 | 1300 | 91.4 |
| | | | .322 | 8.2 | std | 40 | 28.55 | 12.95 | 42.49 | ... | ... | 1300 | 91.4 | 1600 | 112.5 |
| | | | .406 | 10.3 | ... | 60 | 35.64 | 16.17 | 53.04 | ... | ... | 1700 | 119.5 | 2000 | 140.5 |
| | | | .500 | 12.7 | xs | 80 | 43.39 | 19.68 | 64.57 | ... | ... | 2100 | 147.7 | 2400 | 168.7 |
| | | | .594 | 15.1 | ... | 100 | 50.95 | 23.11 | 75.82 | ... | ... | 2500 | 175.8 | 2800 | 196.9 |
| | | | .719 | 18.3 | ... | 120 | 60.71 | 27.54 | 90.35 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | .812 | 20.6 | ... | 140 | 67.76 | 30.74 | 100.84 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | .875 | 22.2 | xxs | ... | 72.42 | 32.85 | 107.77 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | .906 | 23.0 | ... | 160 | 74.69 | 33.88 | 111.75 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | 10 | 10.750 | 273.0 | .250 | 6.4 | ... | 20 | 28.04 | 12.72 | 41.73 | ... | ... | 850 |
| .279 | 7.1 | ... | | | | ... | 31.20 | 14.15 | 46.43 | ... | ... | 950 | 66.8 | 1100 | 77.3 |
| .307 | 7.8 | ... | | | | 30 | 34.24 | 15.53 | 50.95 | ... | ... | 1000 | 70.3 | 1200 | 84.4 |
| .365 | 9.3 | std | | | | 40 | 40.48 | 18.36 | 60.24 | ... | ... | 1200 | 84.4 | 1400 | 98.4 |
| .500 | 12.7 | xs | | | | 60 | 54.74 | 24.83 | 81.46 | ... | ... | 1700 | 119.5 | 2000 | 140.6 |
| .594 | 15.1 | ... | | | | 80 | 64.43 | 29.22 | 95.88 | ... | ... | 2000 | 140.6 | 2300 | 161.7 |
| .719 | 18.3 | ... | | | | 100 | 77.03 | 34.94 | 114.63 | ... | ... | 2400 | 168.7 | 2800 | 196.9 |
| .844 | 21.4 | ... | | | | 120 | 88.29 | 40.50 | 132.88 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| 1.000 | 25.4 | xxs | | | | 140 | 104.13 | 47.23 | 154.96 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| 1.125 | 28.6 | ... | | | | 160 | 111.65 | 52.46 | 172.11 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| 12 | 12.750 | 323.8 | | | | .250 | 6.4 | ... | 20 | 33.38 | 15.14 | 49.67 | ... | ... | 700 |
| | | | .330 | 8.4 | ... | 30 | 43.77 | 19.85 | 65.14 | ... | ... | 950 | 66.8 | 1100 | 77.3 |
| | | | .375 | 9.5 | std | ... | 49.56 | 22.48 | 73.75 | ... | ... | 1100 | 77.3 | 1200 | 84.4 |
| | | | .406 | 10.3 | ... | 40 | 53.52 | 24.28 | 79.65 | ... | ... | 1100 | 77.3 | 1300 | 91.4 |
| | | | .500 | 12.7 | xs | ... | 65.42 | 29.67 | 97.36 | ... | ... | 1400 | 98.4 | 1600 | 112.5 |
| | | | .562 | 14.3 | ... | 60 | 73.15 | 33.18 | 108.86 | ... | ... | 1600 | 112.5 | 1900 | 133.6 |
| | | | .688 | 17.5 | ... | 80 | 88.63 | 40.20 | 131.90 | ... | ... | 1900 | 133.6 | 2300 | 161.7 |
| | | | .844 | 21.4 | ... | 100 | 107.32 | 48.68 | 159.71 | ... | ... | 2400 | 168.7 | 2800 | 196.9 |
| | | | 1.000 | 25.4 | xxs | 120 | 125.49 | 56.92 | 186.75 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | 1.125 | 28.6 | ... | 140 | 139.68 | 63.36 | 207.87 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | 1.312 | 33.3 | ... | 160 | 160.27 | 72.70 | 238.51 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| 14 | 14.000 | 355.6 | .250 | 6.4 | ... | 10 | 36.71 | 16.65 | 54.63 | ... | ... | 650 | 45.7 | 750 | 52.7 |
| | | | .312 | 7.9 | ... | 20 | 45.61 | 20.69 | 67.87 | ... | ... | 800 | 56.2 | 950 | 66.8 |
| | | | .375 | 9.5 | std | 30 | 54.57 | 24.75 | 81.21 | ... | ... | 950 | 66.8 | 1100 | 77.3 |
| | | | .438 | 11.1 | ... | 40 | 63.44 | 28.78 | 94.41 | ... | ... | 1100 | 77.3 | 1300 | 91.4 |
| | | | .500 | 12.7 | xs | ... | 72.09 | 32.70 | 107.28 | ... | ... | 1300 | 91.4 | 1300 | 105.5 |
| | | | .594 | 15.1 | ... | 60 | 85.05 | 38.58 | 126.57 | ... | ... | 1500 | 105.5 | 1500 | 126.6 |
| | | | .750 | 19.0 | ... | 80 | 106.13 | 48.14 | 157.94 | ... | ... | 1900 | 133.6 | 2800 | 161.7 |
| | | | .938 | 23.8 | ... | 100 | 130.85 | 59.35 | 194.73 | ... | ... | 2400 | 168.7 | 2800 | 196.9 |
| | | | 1.094 | 27.8 | ... | 120 | 150.79 | 68.40 | 224.40 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | 1.250 | 31.8 | ... | 140 | 170.22 | 77.21 | 253.31 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | 1.406 | 35.7 | ... | 160 | 189.11 | 85.78 | 281.43 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| 16 | 16.000 | 406.6 | .250 | 6.4 | ... | 10 | 42.05 | 19.07 | 62.58 | ... | ... | 550 | 38.7 | 650 | 45.7 |
| | | | .312 | 7.9 | ... | 20 | 52.27 | 23.71 | 77.79 | ... | ... | 700 | 49.2 | 800 | 56.2 |
| | | | .375 | 9.5 | std | 30 | 62.58 | 28.39 | 93.13 | ... | ... | 850 | 59.8 | 1000 | 70.3 |
| | | | .508 | 12.7 | xs | 40 | 82.77 | 37.54 | 123.18 | ... | ... | 1100 | 77.3 | 1300 | 91.4 |
| | | | .656 | 16.7 | ... | 60 | 107.50 | 48.76 | 159.98 | ... | ... | 1500 | 105.5 | 1700 | 119.5 |
| | | | .844 | 21.4 | ... | 80 | 136.62 | 61.97 | 203.31 | ... | ... | 1900 | 133.6 | 2200 | 154.7 |
| | | | 1.031 | 26.2 | ... | 100 | 164.82 | 74.76 | 245.28 | ... | ... | 2300 | 161.7 | 2700 | 189.8 |
| | | | 1.219 | 31.0 | ... | 120 | 192.43 | 82.28 | 286.37 | ... | ... | 2700 | 189.8 | 2800 | 196.9 |
| | | | 1.438 | 36.5 | ... | 140 | 223.64 | 101.4 | 332.81 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |
| | | | 1.594 | 40.5 | ... | 160 | 245.25 | 111.24 | 364.97 | ... | ... | 2800 | 196.9 | 2800 | 196.9 |