



ALBORZ STEEL

# جدول وزن و ضخامت لوله

For 5s, 10s, 40s, 80s:  
Figures based on stainless steel

OD's = mm  
Wall thickness = mm  
Weight = kg/m (plain end mass)

| Nominal pipe size inches | OD mm  | ASME B36.19 |      |      |       | ASME B36.10 |       |       |       |       |       |       |       |       |       |       |       |     |
|--------------------------|--------|-------------|------|------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
|                          |        | 5s          | 10s  | 40s  | 80s   | 10          | 20    | 30    | STD   | 40    | 60    | XS    | 80    | 100   | 120   | 140   | 160   | XXS |
| 6                        | 10.3   | 1.24        | 1.73 | 2.41 | 1.24  | 1.45        | 1.73  | 1.73  | 2.41  | 2.41  |       |       |       |       |       |       |       |     |
| 8                        | 13.7   | 1.65        | 2.24 | 3.02 | 1.65  | 1.85        | 2.24  | 2.24  | 3.02  | 3.02  |       |       |       |       |       |       |       |     |
| 10                       | 17.1   | 1.65        | 2.31 | 3.20 | 1.65  | 1.85        | 2.31  | 2.31  | 3.20  | 3.20  |       |       |       |       |       |       |       |     |
| 15                       | 21.3   | 1.65        | 2.11 | 2.77 | 3.73  | 2.11        | 2.41  | 2.77  | 3.73  | 3.73  |       |       |       |       |       | 4.78  | 7.47  |     |
| 20                       | 26.7   | 1.65        | 2.11 | 2.87 | 3.91  | 2.11        | 2.41  | 2.87  | 3.91  | 3.91  |       |       |       |       |       | 5.56  | 7.82  |     |
| 25                       | 33.4   | 1.65        | 2.77 | 3.38 | 4.55  | 2.77        | 2.90  | 3.38  | 4.55  | 4.55  |       |       |       |       |       | 6.35  | 9.09  |     |
| 32                       | 42.2   | 1.65        | 2.77 | 3.56 | 4.85  | 2.77        | 2.97  | 3.56  | 4.85  | 4.85  |       |       |       |       |       | 6.35  | 9.70  |     |
| 40                       | 48.3   | 1.65        | 2.77 | 3.68 | 5.08  | 2.77        | 3.18  | 3.68  | 5.08  | 5.08  |       |       |       |       |       | 7.14  | 10.15 |     |
| 50                       | 60.3   | 1.65        | 2.77 | 3.91 | 5.54  | 2.77        | 3.18  | 3.91  | 5.54  | 5.54  |       |       |       |       |       | 8.74  | 11.07 |     |
| 65                       | 73.0   | 2.11        | 3.05 | 5.16 | 7.01  | 3.05        | 4.78  | 5.16  | 7.01  | 7.01  |       |       |       |       |       | 9.53  | 14.02 |     |
| 80                       | 88.9   | 2.11        | 3.05 | 5.49 | 7.62  | 3.05        | 4.78  | 5.49  | 7.62  | 7.62  |       |       |       |       |       | 11.13 | 15.24 |     |
| 90                       | 101.6  | 2.11        | 3.05 | 5.74 | 8.08  | 3.05        | 4.78  | 5.74  | 8.08  | 8.08  |       |       |       |       |       | -     | -     |     |
| 100                      | 114.3  | 2.11        | 3.05 | 6.02 | 8.56  | 3.05        | 4.78  | 6.02  | 8.56  | 8.56  |       |       |       | 11.13 |       | 13.49 | 17.12 |     |
| 125                      | 141.3  | 2.77        | 3.40 | 6.55 | 9.53  | 3.40        | 6.55  | 9.53  | 12.70 | 12.70 |       |       |       | 28.32 |       | 33.54 | 41.93 |     |
| 150                      | 168.3  | 2.77        | 3.40 | 7.11 | 10.97 | 3.40        | 7.11  | 10.97 | 14.27 | 14.27 |       |       |       | 40.28 |       | 49.11 | 61.43 |     |
| 200                      | 219.1  | 2.77        | 3.76 | 8.18 | 12.70 | 3.76        | 6.35  | 7.04  | 8.18  | 8.18  | 10.31 | 12.70 | 15.09 | 18.26 | 20.62 | 23.01 | 22.23 |     |
| 250                      | 273.1  | 3.40        | 4.19 | 9.27 | 12.70 | 4.19        | 6.35  | 7.80  | 9.27  | 9.27  | 12.70 | 15.09 | 18.26 | 21.44 | 25.40 | 28.58 | 25.40 |     |
| 300                      | 323.9  | 3.96        | 4.57 | 9.53 | 12.70 | 4.57        | 6.35  | 8.38  | 9.53  | 10.31 | 14.27 | 17.48 | 21.44 | 25.40 | 28.58 | 33.32 | 25.40 |     |
| 350                      | 355.6  | 3.96        | 4.78 | 9.53 | 12.70 | 4.57        | 6.35  | 8.38  | 9.53  | 10.31 | 14.27 | 17.48 | 21.44 | 25.40 | 28.58 | 33.32 | 25.40 |     |
| 400                      | 406.4  | 4.19        | 4.78 | 9.53 | 12.70 | 4.57        | 6.35  | 8.38  | 9.53  | 10.31 | 14.27 | 17.48 | 21.44 | 25.40 | 28.58 | 33.32 | 25.40 |     |
| 450                      | 457.2  | 4.19        | 4.78 | 9.53 | 12.70 | 4.57        | 6.35  | 8.38  | 9.53  | 10.31 | 14.27 | 17.48 | 21.44 | 25.40 | 28.58 | 33.32 | 25.40 |     |
| 500                      | 508.0  | 4.78        | 5.54 | 9.53 | 12.70 | 5.08        | 6.35  | 8.38  | 9.53  | 10.31 | 14.27 | 17.48 | 21.44 | 25.40 | 28.58 | 33.32 | 25.40 |     |
| 550                      | 558.8  | 4.78        | 5.54 | 9.53 | 12.70 | 5.08        | 6.35  | 8.38  | 9.53  | 10.31 | 14.27 | 17.48 | 21.44 | 25.40 | 28.58 | 33.32 | 25.40 |     |
| 600                      | 609.6  | 5.54        | 6.35 | 9.53 | 12.70 | 6.35        | 9.53  | 12.70 | 17.48 | 17.48 | 24.61 | 30.96 | 38.89 | 46.02 | 52.37 | 59.54 |       |     |
| 650                      | 660.4  |             |      |      |       | 7.92        | 12.70 |       | 9.53  |       |       | 12.70 |       |       |       |       |       |     |
| 700                      | 711.2  |             |      |      |       | 7.92        | 12.70 | 15.88 | 9.53  |       |       | 12.70 |       |       |       |       |       |     |
| 750                      | 762.0  | 6.35        | 7.92 |      |       | 7.92        | 12.70 | 15.88 | 9.53  |       |       | 12.70 |       |       |       |       |       |     |
| 800                      | 812.8  |             |      |      |       | 7.92        | 12.70 | 15.88 | 9.53  | 17.48 |       | 12.70 |       |       |       |       |       |     |
| 850                      | 863.6  |             |      |      |       | 7.92        | 12.70 | 15.88 | 9.53  | 17.48 |       | 12.70 |       |       |       |       |       |     |
| 900                      | 914.4  |             |      |      |       | 7.92        | 12.70 | 15.88 | 9.53  | 19.05 |       | 12.70 |       |       |       |       |       |     |
| 950                      | 965.2  |             |      |      |       |             |       |       | 9.53  |       |       | 12.70 |       |       |       |       |       |     |
| 1000                     | 1016.0 |             |      |      |       |             |       |       | 9.53  |       |       | 12.70 |       |       |       |       |       |     |
| 1050                     | 1066.8 |             |      |      |       |             |       |       | 9.53  |       |       | 12.70 |       |       |       |       |       |     |
| 1100                     | 1117.6 |             |      |      |       |             |       |       | 9.53  |       |       | 12.70 |       |       |       |       |       |     |
| 1150                     | 1168.4 |             |      |      |       |             |       |       | 9.53  |       |       | 12.70 |       |       |       |       |       |     |
| 1200                     | 1219.2 |             |      |      |       |             |       |       | 9.53  |       |       | 12.70 |       |       |       |       |       |     |