

45°Long Radius Elbows

| Size / Sch | Carbon Steel & Alloy Steel | | | | | | | | | | |
|------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | STD | XS | XXS | S40 | S80 | S120 | S160 | S10 | S20 | S30 | S60 |
| 1/2 | 0.038 | 0.048 | 0.076 | 0.038 | 0.048 | - | 0.058 | - | - | - | - |
| 3/4 | 0.060 | 0.077 | 0.131 | 0.060 | 0.077 | - | 0.115 | - | - | - | - |
| 1 | 0.106 | 0.137 | 0.231 | 0.106 | 0.137 | - | 0.180 | - | - | - | - |
| 1-1/4 | 0.163 | 0.215 | 0.374 | 0.163 | 0.215 | - | 0.270 | - | - | - | - |
| 1-1/2 | 0.218 | 0.292 | 0.515 | 0.218 | 0.292 | - | 0.390 | - | - | - | - |
| 2 | 0.361 | 0.497 | 0.893 | 0.361 | 0.497 | 0.560 | 0.736 | - | - | - | - |
| 2-1/2 | 0.728 | 0.961 | 1.720 | 0.728 | 0.961 | 0.740 | 1.260 | - | - | - | - |
| 3 | 1.090 | 1.470 | 2.670 | 1.090 | 1.470 | 1.455 | 2.060 | - | - | - | - |
| 3-1/2 | 1.470 | 2.020 | 3.690 | 1.470 | 2.020 | - | 3.020 | - | - | - | - |
| 4 | 1.940 | 2.690 | 4.940 | 1.940 | 2.690 | 3.380 | 4.040 | - | - | - | - |
| 5 | 3.270 | 4.650 | 8.630 | 3.270 | 4.650 | 6.000 | 7.380 | - | - | - | - |
| 6 | 5.100 | 7.690 | 14.30 | 5.100 | 7.690 | 9.720 | 12.20 | - | - | - | - |
| 8 | 10.20 | 15.60 | 26.00 | 10.20 | 15.60 | 21.70 | 26.80 | - | 10.20 | 10.20 | - |
| 10 | 18.10 | 24.50 | 46.40 | 18.10 | 28.80 | 39.80 | 51.80 | - | 18.10 | 18.10 | - |
| 12 | 26.70 | 35.20 | 67.00 | 28.80 | 47.60 | 67.00 | 85.50 | - | 26.70 | 26.70 | 39.10 |
| 14 | 34.20 | 45.30 | - | 39.80 | 66.60 | 94.10 | 119.0 | 34.20 | 34.20 | 34.20 | 53.00 |
| 16 | 44.90 | 59.40 | - | 59.40 | 97.90 | 137.0 | 176.0 | 44.90 | 44.90 | 44.90 | 76.50 |
| 18 | 56.90 | 75.40 | - | 84.50 | 138.0 | 196.0 | 249.0 | 56.90 | 56.90 | 75.40 | 110.0 |
| 20 | 70.50 | 93.40 | - | 110.0 | 187.0 | 264.0 | 338.0 | 70.50 | 70.50 | 93.40 | 148.0 |
| 22 | 85.00 | 112.5 | - | 140.0 | 246.0 | 347.0 | 442.0 | 85.00 | 83.70 | 112.5 | - |
| 24 | 102.0 | 135.0 | - | 184.0 | 319.0 | 459.0 | 580.0 | 102.0 | 102.0 | 184.0 | 255.0 |