

Seamless carbon steel pipes for high-temperature service tools

ASTM A 106
ANSI/ASME B36.10M

Application: for producing structures, as well as for steam, water, gas and air pipelines, and also in general machine-building & tool-making

Pipe dimensions and weight for hot-formed pipes

| Nominal size | Outside diameter | | Wall thickness | | Weight per length unit | | Weight class* |
|--------------|------------------|-------|----------------|-------|------------------------|-------|---------------|
| | inches | mm | inches | mm | lb/ft | kg/m | |
| 1 | 1.315 | 33,4 | 0.133 | 3,38 | 1.68 | 2,50 | STD |
| 1 ¼ | 1.660 | 42,2 | 0.140 | 3,56 | 2.27 | 3,39 | STD |
| 1 ½ | 1.900 | 48,3 | 0.145 | 3,68 | 2.72 | 4,05 | STD |
| 2 | 2.375 | 60,3 | 0.141 | 3,58 | 3.36 | 5,01 | ... |
| | | | 0.154 | 3,91 | 3.66 | 5,44 | STD |
| | | | 0.172 | 4,37 | 4.05 | 6,03 | ... |
| | | | 0.188 | 4,78 | 4.39 | 6,54 | ... |
| | | | 0.218 | 5,54 | 5.03 | 7,48 | XS |
| 2 ½ | 2.875 | 73,0 | 0.141 | 3,58 | 4.12 | 6,13 | ... |
| | | | 0.156 | 3,96 | 4.53 | 6,74 | ... |
| | | | 0.172 | 4,37 | 4.97 | 7,40 | ... |
| | | | 0.188 | 4,78 | 5.40 | 8,04 | ... |
| | | | 0.203 | 5,16 | 5.80 | 8,63 | STD |
| | | | 0.216 | 5,49 | 6.13 | 9,14 | ... |
| | | | 0.250 | 6,35 | 7.01 | 10,44 | ... |
| | | | 0.276 | 7,01 | 7.67 | 11,41 | XS |
| | | | 0.375 | 9,53 | 10.01 | 14,92 | ... |
| 3 | 3.500 | 88,9 | 0.141 | 3,58 | 5.06 | 7,53 | ... |
| | | | 0.156 | 3,96 | 5.58 | 8,29 | ... |
| | | | 0.172 | 4,37 | 6.11 | 9,11 | ... |
| | | | 0.188 | 4,78 | 6.66 | 9,92 | ... |
| | | | 0.216 | 5,49 | 7.58 | 11,29 | STD |
| | | | 0.250 | 6,35 | 8.69 | 12,93 | ... |
| | | | 0.281 | 7,14 | 9.67 | 14,40 | ... |
| | | | 0.300 | 7,62 | 10.26 | 15,27 | XS |
| | | | 0.438 | 11,13 | 14.32 | 21,35 | ... |
| | | | 3 ½ | 4.000 | 101,6 | 0.156 | 3,96 |
| 0.172 | 4,37 | 7.03 | | | | 10,48 | ... |
| 0.188 | 4,78 | 7.66 | | | | 11,41 | ... |
| 0.226 | 5,74 | 9.12 | | | | 13,57 | STD |
| 0.250 | 6,35 | 10.02 | | | | 14,92 | ... |
| 0.281 | 7,14 | 11.17 | | | | 16,63 | ... |
| 0.318 | 8,08 | 12.52 | | | | 18,63 | XS |
| 0.438 | 11,13 | 14.32 | | | | 21,35 | ... |
| 4 | 4.500 | 114,3 | 0.172 | 4,37 | 7.95 | 11,85 | ... |
| | | | 0.188 | 4,78 | 8.67 | 12,91 | ... |
| | | | 0.203 | 5,16 | 9.32 | 13,89 | ... |
| | | | 0.219 | 5,56 | 10.02 | 14,91 | ... |
| | | | 0.237 | 6,02 | 10.80 | 16,07 | STD |
| | | | 0.250 | 6,35 | 11.36 | 16,90 | ... |
| | | | 0.281 | 7,14 | 12.67 | 18,87 | ... |
| | | | 0.337 | 8,56 | 14.98 | 22,32 | XS |
| | | | 0.438 | 11,13 | 19.00 | 28,32 | ... |
| | | | 0.531 | 13,49 | 22.51 | 33,54 | ... |
| 5 | 5.563 | 141,3 | 0.258 | 6,55 | 14.62 | 21,77 | STD |
| | | | 0.375 | 9,53 | 20.78 | 30,97 | XS |
| | | | 0.500 | 12,70 | 27.04 | 40,28 | ... |
| | | | 0.625 | 15,88 | 32.96 | 49,11 | ... |
| | | | 0.750 | 19,05 | 38.88 | 57,00 | ... |

Pipe dimensions and weight (continued)

| Nominal size | Outside diameter | | Wall thickness | | Weight per length unit | | Weight class* |
|--------------|------------------|-------|----------------|-------|------------------------|--------|---------------|
| | inches | mm | inches | mm | lb/ft | kg/m | |
| 6 | 6.625 | 168,3 | 0.250 | 6,35 | 17.02 | 25,36 | ... |
| | | | 0.280 | 7,11 | 18.97 | 28,26 | STD |
| | | | 0.312 | 7,92 | 21.04 | 31,32 | ... |
| | | | 0.344 | 8,74 | 23.08 | 34,39 | ... |
| | | | 0.375 | 9,52 | 25.03 | 37,28 | ... |
| | | | 0.432 | 10,97 | 28.57 | 42,56 | XS |
| | | | 0.562 | 14,27 | 36.39 | 54,20 | ... |
| | | | 0.719 | 18,26 | 45.35 | 67,56 | ... |
| | | | 0.864 | 21,95 | 53.16 | 79,22 | XXS |
| 8 | 8.625 | 219,1 | 0.250 | 6,35 | 22.36 | 33,31 | ... |
| | | | 0.277 | 7,04 | 24.70 | 36,81 | ... |
| | | | 0.312 | 7,92 | 27.70 | 41,24 | ... |
| | | | 0.322 | 8,18 | 28.55 | 42,55 | STD |
| | | | 0.344 | 8,74 | 30.42 | 45,34 | ... |
| | | | 0.375 | 9,53 | 33.04 | 49,25 | ... |
| | | | 0.406 | 10,31 | 35.64 | 53,08 | ... |
| | | | 0.438 | 11,13 | 38.30 | 57,08 | ... |
| | | | 0.500 | 12,70 | 43.39 | 64,64 | XS |
| | | | 0.594 | 15,09 | 50.95 | 75,92 | ... |
| | | | 0.719 | 18,26 | 60.71 | 90,44 | ... |
| | | | 0.812 | 20,62 | 67.76 | 100,92 | ... |
| | | | 0.875 | 22,23 | 72.42 | 107,92 | XXS |
| | | | 0.906 | 23,01 | 74.69 | 111,27 | ... |
| 10 | 10.750 | 273,0 | 0.307 | 7,80 | 34.24 | 51,03 | ... |
| | | | 0.344 | 8,74 | 38.23 | 56,98 | ... |
| | | | 0.365 | 9,27 | 40.48 | 60,31 | STD |
| | | | 0.500 | 12,70 | 54.74 | 81,55 | XS |
| | | | 0.594 | 15,09 | 64.43 | 96,01 | ... |
| | | | 0.719 | 18,26 | 77.03 | 114,70 | ... |
| | | | 0.844 | 21,44 | 89.29 | 133,09 | ... |
| | | | 1.000 | 25,40 | 104.13 | 155,15 | XXS |
| | | | 1.125 | 28,58 | 115.64 | 172,21 | ... |
| 12 | 12.750 | 323,8 | 0.330 | 8,38 | 43.77 | 65,20 | ... |
| | | | 0.344 | 8,74 | 45.58 | 67,93 | ... |
| | | | 0.375 | 9,53 | 49.56 | 73,88 | STD |
| | | | 0.406 | 10,31 | 53.52 | 79,73 | ... |
| | | | 0.438 | 11,13 | 57.59 | 85,84 | ... |
| | | | 0.500 | 12,70 | 65.42 | 97,46 | XS |
| | | | 0.562 | 14,27 | 73.15 | 108,92 | ... |
| | | | 0.688 | 17,48 | 88.63 | 132,04 | ... |
| | | | 0.844 | 21,44 | 107.32 | 159,86 | ... |
| | | | 1.000 | 25,40 | 125.49 | 186,91 | XXS |
| | | | | | | 1.125 | 28,58 |
| | | | 1.312 | 33,32 | 160.27 | 238,68 | ... |
| 14 | 14.000 | 355,6 | 0.375 | 9,53 | 54.57 | 81,33 | STD |
| | | | 0.438 | 11,13 | 63.44 | 94,55 | ... |
| | | | 0.594 | 15,09 | 85.05 | 126,71 | ... |
| | | | 0.750 | 19,05 | 106.13 | 158,10 | ... |
| | | | 0.938 | 23,83 | 130.85 | 194,96 | ... |
| | | | 1.094 | 27,79 | 150.79 | 224,65 | ... |
| | | | 1.250 | 31,75 | 170.21 | 253,56 | ... |
| | | | 1.406 | 35,71 | 189.11 | 281,70 | ... |

* STD – standard weight class

XS – extra-standard weight class (high durability)

XXS – double extra-standard weight class (doubled durability)

Length supplied:

- From 20 ft up to 40 ft (from 6,0 up to 12,0 m).

Steel hardness:

| Steel grades | Chemical compound according to |
|--------------|--------------------------------|
| A, B, C | ASTM A106 |

Obligatory requirements:

- Carrying out hydraulic pressure or non-destructive testing;
- Carrying out flattening test.

Upon customer's request it is possible to carry out:

- Non-destructive testing.