

Steel Pipe Dimensions Chart

Outside diameter and wall thickness for standard (STD), extra strong (XS) and double extra strong (XXS) carbon steel pipe · ASME B36.10

NPS	OD (in)	OD (mm)	STD (mm)	XS (mm)	XXS (mm)
1/8	0.405	10.3	1.73	2.41	
1/4	0.540	13.7	2.24	3.02	
3/8	0.675	17.1	2.31	3.20	
1/2	0.840	21.3	2.77	3.73	4.78
3/4	1.050	26.7	2.87	3.91	5.56
1	1.315	33.4	3.38	4.55	6.35
1 1/4	1.660	42.2	3.56	4.85	6.35
1 1/2	1.900	48.3	3.68	5.08	7.14
2	2.375	60.3	3.91	5.54	8.74
2 1/2	2.875	73.0	5.16	7.01	9.53
3	3.500	88.9	5.49	7.62	11.13
3 1/2	4.000	101.6	5.74	8.08	
4	4.500	114.3	6.02	8.56	17.12
5	5.563	141.3	6.55	9.53	19.05
6	6.625	168.3	7.11	10.97	18.26
8	8.625	219.1	8.18	12.70	23.01
10	10.750	273.1	9.27	15.09	28.58
12	12.750	323.9	10.31	17.48	33.32
14	14.000	355.6	11.13	19.05	35.71
16	16.000	406.4	12.70	21.44	40.49
18	18.000	457.2	14.27	23.83	45.24
20	20.000	508.0	15.09	26.19	50.01
22	22.000	558.8		28.58	53.98
24	24.000	609.6	17.48	30.96	59.54

Notes: STD wall equals Schedule 40 for NPS 1/8 through 10 and 0.375 in (9.53 mm) for NPS 12 and larger. XS wall equals Schedule 80 for NPS 1/8 through 8 and 0.500 in (12.70 mm) for NPS 10 and larger. Sizes 26 in – 48 in are available: STD 9.53 mm, XS 12.70 mm. Stainless-steel pipe uses the 'S' schedules of ASME B36.19 (5S / 10S / 40S / 80S).

Values are per ASME B36.10 (Welded and Seamless Wrought Steel Pipe). Weights are computed for plain carbon steel (density 7.85 g/cm³) using the standard formula $kg/m = 0.02466 \times (D - t) \times t$. This chart is a quick reference only — always verify against the governing standard for critical or code-regulated applications.