

Pipe Wall Thickness Dimensions

Nominal Pipe Size 1/8" – 12" | Outside diameter & Schedule 10 / 40 / 80 / 160 / XX Heavy wall thickness and weight per foot — carbon steel pipe per ASME B36.10M-2018, Table 2.1

NPS (in)	OD (in)	Schedule 10*		Schedule 40 (STD)		Schedule 80 (XS)		Schedule 160		XX Heavy (XXH)	
		Wall (in)	Wt (lb/ft)	Wall (in)	Wt (lb/ft)	Wall (in)	Wt (lb/ft)	Wall (in)	Wt (lb/ft)	Wall (in)	Wt (lb/ft)
1/8	0.405	0.049	0.19	0.068	0.24	0.095	0.31	—	—	—	—
1/4	0.540	0.065	0.33	0.088	0.42	0.119	0.54	—	—	—	—
3/8	0.675	0.065	0.42	0.091	0.57	0.126	0.74	—	—	—	—
1/2	0.840	0.083	0.67	0.109	0.85	0.147	1.09	0.187	1.31	0.294	1.71
3/4	1.050	0.083	0.86	0.113	1.13	0.154	1.47	0.219	1.94	0.308	2.44
1	1.315	0.109	1.40	0.133	1.68	0.179	2.17	0.250	2.84	0.358	3.66
1-1/4	1.660	0.109	1.81	0.140	2.27	0.191	3.00	0.250	3.76	0.382	5.21
1-1/2	1.900	0.109	2.09	0.145	2.72	0.200	3.63	0.281	4.86	0.400	6.41
2	2.375	0.109	2.64	0.154	3.65	0.218	5.02	0.344	7.46	0.436	9.03
2-1/2	2.875	0.120	3.53	0.203	5.79	0.276	7.66	0.375	10.01	0.552	13.69
3	3.500	0.120	4.33	0.216	7.58	0.300	10.25	0.438	14.32	0.600	18.58
3-1/2	4.000	0.120	4.97	0.226	9.11	0.318	12.50	—	—	—	—
4	4.500	0.120	5.61	0.237	10.79	0.337	14.98	0.531	22.51	0.674	27.54
5	5.563	0.134	7.77	0.258	14.62	0.375	20.78	0.625	32.96	0.750	38.55
6	6.625	0.134	9.29	0.280	18.97	0.432	28.57	0.718	45.35	0.864	53.16
8	8.625	0.148	13.40	0.322	28.55	0.500	43.39	0.906	74.69	0.875	72.42
10	10.750	0.165	18.65	0.365	40.48	0.594	64.43	1.125	115.64	1.000	104.13
12	12.750	0.180	24.17	0.406	53.52	0.688	88.63	1.312	160.27	1.000	125.49

Notes

- OD and wall thickness per ASME B36.10M-2018, Table 2.1, carbon/alloy steel pipe. Sch 40 = STD wall and Sch 80 = XS (extra strong) wall for NPS 1/8" through 8" (the designations diverge above 8").
- *Schedule 10 (carbon steel, ASME B36.10) is only an ASME-tabulated designation for NPS 8" and larger. For NPS 1/8" through 6", the Schedule 10 wall thickness/weight shown is the ASME B36.19 "10S" stainless gauge, commonly stocked/quoted as "Sch 10" for those small sizes.
- OD is nominal/fixed for a given NPS regardless of schedule. Wall thickness tolerance per ASME B36.10 is $\pm 12.5\%$ nominal.
- Reference only — verify critical dimensions against the governing standard or mill certification before use in fabrication or procurement specifications.