

WALL THICKNESS

Seamless and Welded Steel Pipe

Nominal Pipe Size	NOMINAL WALL THICKNESS FOR													
	Sched. 5	Sched. 10	Sched. 20	Sched. 30	Standard*	Sched. 40	Sched. 60	Extra Strong †	Sched. 80	Sched. 100	Sched. 120	Sched. 140	Sched. 160	XX Strong
1/8"		0.049		0.057	0.068	0.068		0.095	0.095				0.124	0.190
1/4"		0.065		0.073	0.088	0.088		0.119	0.119				0.145	0.238
3/8"		0.065		0.073	0.091	0.091		0.126	0.126				0.158	0.252
1/2"	0.065	0.083		0.095	0.109	0.109		0.147	0.147				0.188	0.294
3/4"	0.065	0.083		0.095	0.113	0.113		0.154	0.154				0.219	0.308
1"	0.065	0.109		0.114	0.133	0.133		0.179	0.179				0.250	0.358
1 1/4"	0.065	0.109		0.117	0.140	0.140		0.191	0.191				0.250	0.382
1 1/2"	0.065	0.109		0.125	0.145	0.145		0.200	0.200				0.281	0.400
2"	0.065	0.109		0.125	0.154	0.154		0.218	0.218				0.344	0.436
2 1/2"	0.083	0.120		0.188	0.203	0.203		0.276	0.276				0.375	0.552
3"	0.083	0.120		0.188	0.216	0.216		0.300	0.300				0.438	0.600
3 1/2"	0.083	0.120		0.188	0.226	0.226		0.318	0.318				0.438	0.636
4"	0.083	0.120		0.188	0.237	0.237		0.337	0.337		0.438		0.531	0.674
5"	0.109	0.134			0.258	0.258		0.375	0.375		0.500		0.625	0.750
6"	0.109	0.134			0.280	0.280		0.432	0.432		0.562		0.719	0.864
8"	0.109	0.148	0.250	0.277	0.322	0.322	0.406	0.500	0.500	0.594	0.719	0.812	0.906	0.875
10"	0.134	0.165	0.250	0.307	0.365	0.365	0.500	0.500	0.594	0.719	0.844	1.000	1.125	1.000
12"	0.156	0.180	0.250	0.330	0.375	0.406	0.562	0.500	0.688	0.844	1.000	1.125	1.312	1.000
14"	0.156	△0.250	0.312	0.375	0.375	0.438	0.594	0.500	0.750	0.938	1.094	1.250	1.406	
16"	0.165	△0.250	0.312	0.375	0.375	0.500	0.656	0.500	0.844	1.031	1.219	1.438	1.594	
18"	0.165	△0.250	0.312	0.438	0.375	0.562	0.750	0.500	0.938	1.156	1.375	1.562	1.781	
20"	0.188	△0.250	0.375	0.500	0.375	0.594	0.812	0.500	1.031	1.281	1.500	1.750	1.969	
22"	0.188	△0.250	0.375	0.500	0.375		0.875	0.500	1.125	1.375	1.625	1.875	2.125	
24"	0.218	0.250	0.375	0.562	0.375	0.688	0.969	0.500	1.219	1.531	1.812	2.062	2.344	
26"		0.312	0.500		0.375			0.500						
30"	0.250	0.312	0.500	0.625	0.375			0.500						
34"		0.312	0.500	0.625	0.375	0.688		0.500						
36"		0.312	0.500	0.625	0.375	0.750		0.500						
42"					0.375			0.500						
48"					0.375			0.500						

All dimensions are given in inches and are in accordance with ASME B36.10 or ANSI/ASME B36.19 as applicable. The decimal thickness listed for the pipe sizes represent their nominal or average wall dimensions.

* For nominal sizes through 10", Standard Weight thicknesses are identical to Schedule 40 thicknesses.

† For nominal sizes through 8", Extra Strong thicknesses are identical to Schedule 80 thicknesses.

△ These do not conform to ANSI/ASME B36.19.

BORE CHART (I.D. OF PIPE)

Pipe Size	O.D.	Sched. 5	Sched. 10	Sched. 20	Sched. 30	Sched. 40	Sched. 60	Sched. 80	Sched. 100	Sched. 120	Sched. 140	Sched. 160	Std. *	XS	XXS
1/8"	0.405		0.307		0.291	0.269		0.215				0.157	0.269	0.215	0.025
1/4"	0.540		0.410		0.394	0.364		0.302				0.250	0.364	0.302	0.064
3/8"	0.675		0.545		0.529	0.493		0.423				0.359	0.493	0.423	0.171
1/2"	0.840	0.710	0.674		0.650	0.622		0.546				0.464	0.622	0.546	0.252
3/4"	1.050	0.920	0.884		0.860	0.824		0.742				0.612	0.824	0.742	0.434
1"	1.315	1.185	1.097		1.087	1.049		0.957				0.815	1.049	0.957	0.599
1 1/4"	1.660	1.530	1.442		1.426	1.380		1.278				1.160	1.380	1.278	0.896
1 1/2"	1.900	1.770	1.682		1.650	1.610		1.500				1.338	1.610	1.500	1.100
2"	2.375	2.245	2.157		2.125	2.067		1.939				1.687	2.067	1.939	1.503
2 1/2"	2.875	2.709	2.635		2.499	2.469		2.323				2.125	2.469	2.323	1.771
3"	3.500	3.334	3.260		3.124	3.068		2.900				2.624	3.068	2.900	2.300
3 1/2"	4.000	3.834	3.760		3.624	3.548		3.364					3.548	3.364	2.728
4"	4.500	4.334	4.260		4.124	4.026		3.826		3.624		3.438	4.026	3.826	3.152
5"	5.563	5.345	5.295			5.047		4.813		4.563		4.313	5.047	4.813	4.063
6"	6.625	6.407	6.357			6.065		5.761		5.501		5.187	6.065	5.761	4.897
8"	8.625	8.407	8.329	8.125	8.071	7.981	7.813	7.625	7.437	7.187	7.001	6.813	7.981	7.625	6.875
10"	10.750	10.482	10.420	10.250	10.136	10.020	9.750	9.562	9.312	9.062	8.750	8.500	10.020	9.750	8.750
12"	12.750	12.438	12.390	12.250	12.090	11.938	11.626	11.374	11.062	10.750	10.500	10.126	12.000	11.750	10.750
14"	14.000	13.688	13.500	13.376	13.250	13.124	12.812	12.500	12.124	11.812	11.500	11.188	13.250	13.000	
16"	16.000	15.670	15.500	15.376	15.250	15.000	14.688	14.312	13.938	13.562	13.124	12.812	15.250	15.000	
18"	18.000	17.670	17.500	17.376	17.124	16.876	16.500	16.124	15.688	15.250	14.876	14.438	17.250	17.000	
20"	20.000	19.624	19.500	19.250	19.000	18.812	18.376	17.938	17.438	17.000	16.500	16.062	19.250	19.000	
24"	24.000	23.564	23.500	23.250	22.876	22.624	22.062	21.562	20.938	20.376	19.876	19.312	23.250	23.000	
30"	30.000	29.500	29.376	29.000	28.750								29.250	29.000	

To be used as a guide only. Above data was compiled from existing standards.