



**ANSI COMMERCIAL PIPE SIZES AND WALL THICKNESSES**

The following table lists the pipe sizes and wall thicknesses currently established as standard, or specifically:

1. The traditional standard weight, extra strong, and double extra strong pipe.
2. The pipe wall thickness schedules listed in American Standard B36.10, which are applicable to carbon steel.
3. The pipe wall thickness schedules listed in American Standard B36.19, and ASTM Specification A409, which are applicable only to corrosion resistant materials (NOTE: Schedule 10S is also available in carbon steel in sizes 12" and smaller.)

Nom. Pipe Size	O.D.	Nominal Wall Thickness														
		Sched. 5S*	Sched. 10S*	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	0.405	-	0.049	-	-	-	0.068	0.068	-	0.095	0.095	-	-	-	-	-
1/4	0.540	-	0.065	-	-	-	0.088	0.088	-	0.119	0.119	-	-	-	-	-
3/8	0.875	-	0.065	-	-	-	0.091	0.091	-	0.126	0.126	-	-	-	-	-
1/2	0.840	0.065	0.083	-	-	-	0.109	0.109	-	0.147	0.147	-	-	-	0.188	0.294
3/4	1.050	0.065	0.083	-	-	-	0.113	0.113	-	0.154	0.154	-	-	-	0.219	0.308
1	1.315	0.065	0.109	-	-	-	0.133	0.133	-	0.179	0.179	-	-	-	0.250	0.358
1 1/4	1.660	0.065	0.109	-	-	-	0.140	0.140	-	0.191	0.191	-	-	-	0.250	0.382
1 1/2	1.900	0.065	0.109	-	-	-	0.145	0.145	-	0.200	0.200	-	-	-	0.281	0.400
2	2.375	0.065	0.109	-	-	-	0.154	0.154	-	0.218	0.218	-	-	-	0.344	0.436
2 1/2	2.875	0.083	0.120	-	-	-	0.203	0.203	-	0.276	0.276	-	-	-	0.375	0.552
3	3.500	0.083	0.120	-	-	-	0.216	0.216	-	0.300	0.300	-	-	-	0.438	0.600
3 1/2	4.000	0.083	0.120	-	-	-	0.226	0.226	-	0.318	0.318	-	-	-	-	-
4	4.500	0.083	0.120	-	-	-	0.237	0.237	-	0.337	0.337	-	0.438	-	0.531	0.674
5	5.563	0.109	0.134	-	-	-	0.258	0.258	-	0.375	0.375	-	0.500	-	0.625	0.750
6	6.625	0.109	0.134	-	-	-	0.280	0.280	-	0.432	0.432	-	0.562	-	0.719	0.864
8	8.625	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	10.750	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	12.750	0.165	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 O.D.	14.000	0.156	0.188	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 O.D.	16.000	0.165	0.188	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 O.D.	18.000	0.165	0.188	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 O.D.	20.000	0.188	0.218	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 O.D.	22.000	0.188	0.218	0.250	0.375	0.500	0.375	-	0.875	0.500	1.125	1.375	1.625	1.875	2.125	-
24 O.D.	24.000	0.218	0.250	0.250	0.375	0.562	0.375	0.688	0.969	0.500	1.218	1.531	1.812	2.062	2.344	-
26 O.D.	26.000	-	-	0.312	0.500	-	0.375	-	-	0.500	-	-	-	-	-	-
28 O.D.	28.000	-	-	0.312	0.500	0.625	0.375	-	-	0.500	-	-	-	-	-	-
30 O.D.	30.000	0.250	0.312	0.312	0.500	0.625	0.375	-	-	0.500	-	-	-	-	-	-
32 O.D.	32.000	-	-	0.312	0.500	0.625	0.375	0.688	-	0.500	-	-	-	-	-	-
34 O.D.	34.000	-	-	0.312	0.500	0.625	0.375	0.688	-	0.500	-	-	-	-	-	-
36 O.D.	36.000	-	-	0.312	0.500	0.625	0.375	0.750	-	0.500	-	-	-	-	-	-
42 O.D.	42.000	-	-	-	0.375	-	-	-	-	0.500	-	-	-	-	-	-

All dimensions are given in inches.

\*The above is applicable to ANSI piping only, consult appropriate international standards for other systems.

\*Schedule 5S and 10S are available in corrosion resistant materials and Schedule 10S is also available in carbon steel.

The decimal thicknesses listed for the respective pipe sizes represent their nominal or average wall dimensions. The actual thicknesses may be as much as 12.5% under the nominal thickness because of mill tolerance. Thicknesses shown in light face for Schedule 60 and heavier pipe are not currently supplied by the mills, unless a certain minimum tonnage is ordered.

**PIPE AND WATER WEIGHT PER LINE FOOT**

Nominal Pipe Size	Weight of:		Weight of:		Nominal Pipe Size	Weight of:		Weight of:	
	Std. Pipe	Water	XS Pipe	Water		Std. Pipe	Water	XS Pipe	Water
3/4	1.131	.231	1.474	.187	6	18.980	12.510	28.580	11.290
1	1.679	.374	2.172	.311	8	28.560	21.680	43.400	19.800
1 1/4	2.273	.648	2.997	.555	10	40.500	34.100	54.700	32.300
1 1/2	2.718	.882	3.632	.765	12	49.600	49.000	65.400	47.000
2	3.653	1.453	5.022	1.278	14	54.600	59.700	72.100	57.500
2 1/2	5.794	2.073	7.662	1.835	16	62.600	79.100	82.800	76.500
3	7.580	3.200	10.250	2.860	18	70.600	101.200	93.500	98.300
3 1/2	9.110	4.280	12.510	3.850	20	78.600	126.000	104.100	122.800
4	10.790	5.510	14.990	4.980	24	94.600	183.800	125.500	179.900
5	14.620	8.660	20.780	7.880	30	118.700	291.000	157.600	286.000