

Properties of Welded and Seamless Pipe
Conforming to ANSI B36.10 for Wrought Steel and Wrought Iron Pipe and to ANSI B36.19 for Stainless Steel Pipe.

Nominal Pipe Size	Outside Diameter	Wall Thickness	Identification		Weight of Pipe	Inside Diameter	Area of Metal	Internal Cross-Sectional Area	
			Schedule Number	Designation				Schedule Number	Designation
Inches	Inches	Inches			Lb/Ft	Inches	Sq. Ft.	Sq. In.	Sq. Ft.
1/8	0.405	0.049	10S		0.19	0.307	0.055	0.0739	0.0005
		0.068	40, 40S	STD	0.24	0.269	0.072	0.0567	0.0003
		0.095	80, 80S	XS	0.31	0.215	0.092	0.0362	0.0002
1/4	0.540	0.065	10S		0.33	0.410	0.097	0.1320	0.0009
		0.088	40, 40S	STD	0.42	0.364	0.125	0.1039	0.0007
		0.119	80, 80S	XS	0.54	0.302	0.157	0.0716	0.0004
3/8	0.675	0.065	10S		0.42	0.545	0.124	0.2332	0.0016
		0.091	40, 40S	STD	0.57	0.493	0.167	0.1908	0.0013
		0.126	80, 80S	XS	0.74	0.423	0.217	0.1405	0.0009
1/2	0.840	0.065	5S		0.54	0.710	0.158	0.3959	0.0027
		0.083	10S		0.67	0.674	0.197	0.3567	0.0024
		0.109	40, 40S	STD	0.85	0.622	0.250	0.3037	0.0021
		0.147	80, 80S	XS	1.09	0.546	0.320	0.2341	0.0016
		0.188	160		1.31	0.464	0.385	0.1690	0.0011
		0.294		XXS	1.71	0.252	0.504	0.0498	0.0003
3/4	1.050	0.065	5S		0.69	0.920	0.201	0.6647	0.0046
		0.083	10S		0.86	0.884	0.252	0.6137	0.0042
		0.113	40, 40S	STD	1.13	0.824	0.332	0.5332	0.0037
		0.154	80, 80S	XS	1.47	0.742	0.433	0.4323	0.0030
		0.219	160		1.94	0.612	0.571	0.2941	0.0020
		0.308		XXS	2.44	0.434	0.718	0.1478	0.0010
1	1.315	0.065	5S		0.87	1.185	0.255	1.1028	0.0076
		0.109	10S		1.40	1.097	0.413	0.9451	0.0065
		0.133	40, 40S	STD	1.68	1.049	0.494	0.8642	0.0060
		0.179	80, 80S	XS	2.17	0.957	0.638	0.7192	0.0049
		0.250	160		2.84	0.815	1.836	0.5216	0.0036
		0.358		XXS	3.66	0.599	1.076	0.2818	0.0019
1-1/4	1.660	0.065	5S		1.11	1.530	0.326	1.8385	0.0127
		0.109	10S		1.81	1.442	0.531	1.6330	0.0113
		0.140	40, 40S	STD	2.27	1.380	0.668	1.4957	0.0103
		0.191	80, 80S	XS	3.00	1.278	0.881	1.2827	0.0089
		0.250	160		3.75	1.160	1.107	1.0568	0.0073
		0.382		XXS	5.21	0.896	1.533	0.6305	0.0043
1-1/2	1.900	0.065	5S		1.28	1.770	0.374	2.4605	0.0170
		0.109	10S		2.09	1.682	0.613	2.2219	0.0154
		0.145	40, 40S	STD	2.72	1.610	0.799	2.0358	0.0141
		0.200	80, 80S	XS	3.63	1.500	1.068	1.7671	0.0122
		0.281	160		4.86	1.338	1.438	1.4060	0.0097
		0.400		XXS	6.41	1.100	1.884	0.9503	0.0065
2	2.375	0.065	5S		1.61	2.245	0.471	3.9584	0.0274
		0.109	10S		2.64	2.157	0.776	3.6541	0.0253
		0.154	40, 40S	STD	3.65	2.067	1.074	3.3555	0.0230
		0.218	80, 80S	XS	5.02	1.939	1.476	2.9528	0.0205
		0.344	160		7.46	1.687	2.194	2.2351	0.0155
		0.436		XXS	9.03	1.503	2.655	1.7742	0.0123
2-1/2	2.875	0.083	5S		2.48	2.709	0.728	5.7637	0.0400
		0.120	10S		3.53	2.635	1.038	5.4531	0.0378
		0.203	40, 40S	STD	5.79	2.469	1.703	4.7877	0.0332
		0.276	80, 80S	XS	7.66	2.323	2.252	4.2382	0.0294
		0.375	160		10.01	2.125	2.944	3.5465	0.0246
		0.552		XXS	13.69	1.771	4.026	2.4633	0.0171
3	3.500	0.083	5S		3.03	3.334	0.890	8.7301	0.0606
		0.120	10S		4.33	3.260	1.274	8.3469	0.0579
		0.216	40, 40S	STD	7.58	3.068	2.227	7.3926	0.0513
		0.300	80, 80S	XS	10.25	3.334	3.014	6.6052	0.0458
		0.438	160		14.32	3.260	4.211	5.4077	0.0375
		0.600		XXS	18.58	3.068	5.464	4.1547	0.0288
3-1/2	4.000	Sch 10	0.120	STD	0.226	XH	0.318	XXS	0.636
4	4.500	0.083	5S		3.92	4.334	1.151	14.7525	0.1024
		0.120	10S		5.61	4.260	1.650	14.2531	0.0989
		0.237	40, 40S	STD	10.79	4.026	3.172	12.7302	0.0884
		0.337	80, 80S	XS	14.98	3.826	4.405	11.4968	0.0798
		0.438	120		19.00	3.624	5.587	10.3148	0.0716
		0.531	160		22.51	3.438	6.618	9.2832	0.0644
5	5.563	0.674		XXS	27.54	3.152	8.097	7.8030	0.0541
		0.109	5S		6.36	5.345	1.868	22.438	0.1558
		0.134	10S		7.77	5.295	2.285	22.020	0.1529
		0.258	40, 40S	STD	14.62	5.047	4.300	22.006	0.1389
		0.375	80, 80S	XS	20.78	4.813	6.112	18.194	0.1263
		0.500	120		27.04	4.563	7.953	16.363	0.1135
6	6.625	0.625	160		32.96	4.313	9.696	14.610	0.1014
		0.750		XXS	38.55	4.063	11.340	12.965	0.0900
		0.109	5S		7.59	6.407	2.231	32.240	0.2238
		0.134	10S		9.29	6.357	2.732	31.739	0.2204
		0.280	40, 40S	STD	18.97	6.065	5.581	28.890	0.2006
		0.432	80, 80S	XS	28.57	5.761	8.405	26.067	0.1810
8	8.625	0.562	120		36.39	5.501	10.705	23.767	0.1650
		0.719	160		45.35	5.187	13.340	21.131	0.1467
		0.864		XXS	53.16	4.897	15.637	18.834	0.1307
		0.109	5S		9.93	8.407	2.916	55.510	0.3854
		0.148	10S		13.40	8.329	3.941	54.485	0.3783
		0.250	20		22.36	8.125	6.578	51.849	0.3600
8	8.625	0.277	30		24.70	8.071	7.265	51.162	0.3552
		0.322	40, 40S	STD	28.55	7.981	8.399	50.027	0.3474
		0.406	60		35.64	7.813	10.483	47.943	0.3329
		0.500	80, 80S	XS	43.39	7.625	12.763	45.664	0.3171
		0.594	100		50.95	7.437	14.987	43.440	0.3016
		0.719	120		60.71	7.187	17.858	40.568	0.2817
8	8.625	0.812	140		67.76	7.001	19.931	38.496	0.2673
		0.875		XXS	72.42	6.875	21.304	37.122	0.2577
		0.906	160		74.69	6.813	21.970	36.456	0.2531



**Properties of Welded and Seamless Pipe
Conforming to ANSI B36.10 for Wrought Steel and Wrought Iron Pipe and to ANSI B36.19 for Stainless Steel Pipe.**

Nominal Pipe Size	Outside Diameter	Wall Thickness	Identification		Weight of Pipe	Inside Diameter	Area of Metal	Internal Cross-Sectional Area	
			Schedule Number	Designation				Schedule Number	Designation
Inches	Inches	Inches			Lb/Ft	Inches	Sq. Ft.	Sq. In.	Sq. Ft.
10	10.750	0.134	5S		15.19	10.482	4.469	86.294	0.5992
		0.165	10S		18.65	10.420	5.487	85.276	0.5921
		0.250	20		28.04	10.250	8.247	82.516	0.5730
		0.307	30		34.24	10.136	10.072	80.691	0.5603
		0.365	40, 40S	STD	40.48	10.020	11.908	78.854	0.5476
		0.500	60, 80S	XS	54.74	9.750	16.101	74.662	0.5184
		0.594	80		64.43	9.562	18.952	71.811	0.4986
		0.719	100		77.03	9.312	22.658	68.105	0.4729
		0.844	120		89.29	9.062	26.266	64.497	0.4478
		1.000	140	XXS	104.13	8.750	30.631	60.132	0.4175
		1.125	160		115.64	8.500	34.018	56.745	0.3940
		12	12.750	0.156	5S		20.98	12.438	6.172
0.180	10S				24.17	12.390	7.108	120.568	0.8372
0.250	20				33.38	12.250	9.818	117.859	0.8184
0.330	30				43.77	12.090	12.876	114.800	0.7972
0.375	40S			STD	49.56	12.000	14.579	113.098	0.7854
0.406	40				53.32	11.938	15.745	111.932	0.7730
0.500	80S			XS	65.42	11.750	19.242	108.434	0.7530
0.562	60				73.15	11.625	21.519	106.158	0.7372
0.688	80				88.63	11.375	26.071	101.605	0.7055
0.844	100				107.32	11.062	31.569	96.107	0.6674
1.000	120			XXS	125.49	10.750	36.914	90.763	0.6302
1.125	140				139.67	10.500	41.086	86.590	0.6013
1.312	160		160.27	10.126	47.145	80.532	0.5592		
14	14.000	0.156	5S		23.07	13.688	6.785	147.154	1.0218
		0.188	10S		27.73	13.624	8.158	145.781	1.0123
		0.250	10		36.71	13.500	10.799	143.140	0.9940
		0.312	20		45.61	13.375	13.417	140.522	0.9758
		0.375	30	STD	54.57	13.250	16.052	137.887	0.9575
		0.438	40		63.44	13.125	18.662	135.297	0.9394
		0.500		XS	72.09	13.000	21.206	132.733	0.9217
		0.594	60		85.05	12.812	25.017	128.921	0.8952
		0.750	80		106.13	12.500	31.220	122.719	0.8522
		0.938	100		130.85	12.124	38.491	115.447	0.8017
		1.094	120	XXS	150.79	11.812	44.357	109.581	0.7609
		1.250	140		170.21	11.500	50.069	103.869	0.7213
1.406	160		189.11	11.188	55.629	98.309	0.6827		
16	16.000	0.165	5S		27.90	15.670	8.208	192.854	1.339
		0.188	10S		31.75	15.624	9.338	191.723	1.331
		0.250	10		42.05	15.500	12.370	188.692	1.310
		0.312	20		52.27	15.376	15.377	185.685	1.289
		0.375	30	STD	62.58	15.250	18.407	182.654	1.268
		0.500	40	XS	82.77	15.000	24.347	176.715	1.227
		0.656	60		107.50	14.688	31.622	169.440	1.176
		0.844	80		136.61	14.312	40.186	160.876	1.117
		1.031	100		164.82	13.938	48.484	152.577	1.059
		1.219	120		192.43	13.562	56.605	144.456	1.003
		1.438	140	XXS	223.64	13.124	65.785	135.276	0.939
		1.594	160		245.25	12.812	72.141	128.921	0.895
18	18.000	0.165	5S		31.43	17.670	9.245	245.224	1.702
		0.188	10S		35.76	17.624	10.520	243.949	1.694
		0.250	10		47.39	17.500	13.940	240.528	1.670
		0.312	20		58.94	17.376	17.337	237.132	1.646
		0.375	30	STD	70.59	17.250	20.764	233.705	1.622
		0.438	40		82.15	17.124	24.165	230.303	1.599
		0.500		XS	93.45	17.000	27.489	226.980	1.576
		0.562	60		104.67	16.876	30.788	223.681	1.553
		0.750	80		138.17	16.500	40.644	213.825	1.484
		0.938	100		170.92	16.124	50.278	204.190	1.417
		1.156	120		207.96	15.688	61.172	193.297	1.342
		1.375	140		244.14	15.250	71.815	182.654	1.268
1.562	160		274.22	14.876	80.664	173.805	1.206		
1.781	180		308.50	14.438	90.748	163.721	1.136		
20	20.000	0.188	5S		39.78	19.624	11.701	302.458	2.100
		0.218	10S		46.06	19.564	13.548	300.611	2.087
		0.250	10		52.73	19.500	15.511	298.648	2.073
		0.375	20	STD	78.60	19.250	23.120	291.039	2.021
		0.500	30	XS	104.13	19.000	30.630	283.529	1.968
		0.594	40		123.11	18.812	36.213	277.946	1.930
		0.812	60		166.40	18.376	48.948	265.211	1.841
		1.031	80		208.87	17.938	61.440	252.719	1.754
		1.281	100		256.10	17.438	75.332	238.827	1.658
		1.500	120		296.37	17.000	87.179	226.980	1.576
		1.750	140		341.09	16.500	100.334	213.825	1.484
		1.969	160		379.17	16.062	111.536	206.980	1.407
24	24.000	0.218	5S		55.37	23.567	16.287	436.102	3.028
		0.250	10, 10S		63.41	23.500	18.653	433.737	3.012
		0.375	20	STD	94.62	23.250	27.832	424.557	2.948
		0.500		XS	125.49	23.000	36.913	415.476	2.885
		0.562	30		140.68	22.876	41.381	411.008	2.854
		0.688	40		171.29	22.624	50.387	402.003	2.791
		0.969	60		238.35	22.062	70.111	382.279	2.654
		1.219	80		296.58	21.562	87.242	365.148	2.535
		1.531	100		367.39	20.938	108.071	344.319	2.391
		1.812	120		429.39	20.376	126.307	326.083	2.264
		2.062	140	XXS	483.12	19.876	142.113	310.276	2.154
		2.344	160		542.13	19.312	159.472	292.917	2.034
30	30.000	0.250	5S		79.43	29.500	23.365	683.494	4.746
		0.312	10, 10S		98.93	29.376	29.099	677.760	4.706
		0.375		STD	118.65	29.250	34.901	671.958	4.666
		0.500	20	XS	157.53	29.000	46.338	660.521	4.586
		0.625	30		196.08	28.750	57.677	649.182	4.508
		0.312	10		118.92	35.376	34.980	982.897	6.825
36	36.000	0.375		STD	142.00	35.250	41.969	975.908	6.777
		0.500	20	XS	189.57	35.000	55.763	962.115	6.681
		0.625	30		236.13	34.750	69.458	948.419	6.586
		0.750	40		282.35	34.500	83.056	934.822	6.491

