



## Steel Pipes Dimensions

A Carbon Steel Pipe Data Chart with Pipe Sizes, Diameters, Wall Thickness, Working Pressure The chart is based on ANSI B 36.10 and ANSI B 36.19.

CARBON STEEL PIPE DATA													
Nom. Size, in.	Pipe OD, in	Schedule Number or weight	Wall Thkns t, in.	Inside Diam. d, in.	Surface Area		Cross Section		Weight of		Working Pressure ASTM A53 B to 400°		
					Outside, ft <sup>2</sup> /ft	Inside, ft <sup>2</sup> /ft	Metal Area, in <sup>2</sup>	Flow Area, in <sup>2</sup>	Pipe, lb/ft	Water, lb/ft	Mfr. Process	Joint Type	psig
1/4	0.540	40ST	0.088	0.364	0.141	0.095	0.125	0.104	0.424	0.045	CW	T	188
		80XS	0.119	0.302	0.141	0.079	0.157	0.072	0.535	0.031	CW	T	871
3/8	0.675	40ST	0.091	0.493	0.177	0.129	0.167	0.191	0.567	0.083	CW	T	203
		80XS	0.126	0.423	0.177	0.111	0.217	0.141	0.738	0.061	CW	T	820
1/2	0.840	40ST	0.109	0.622	0.220	0.163	0.250	0.304	0.850	0.131	CW	T	214
		80XS	0.147	0.546	0.220	0.143	0.320	0.234	1.087	0.101	CW	T	753
3/4	1.050	40ST	0.113	0.824	0.275	0.216	0.333	0.533	1.13	0.231	CW	T	217
		80XS	0.154	0.742	0.275	0.194	0.433	0.432	1.47	0.187	CW	T	681
1	1.315	40ST	0.133	1.049	0.344	0.275	0.494	0.864	1.68	0.374	CW	T	226
		80XS	0.179	0.957	0.344	0.251	0.639	0.719	2.17	0.311	CW	T	642
1-1/4	1.660	40ST	0.140	1.380	0.435	0.361	0.669	1.50	2.27	0.647	CW	T	229
		80XS	0.191	1.278	0.435	0.335	0.881	1.28	2.99	0.555	CW	T	594
1-1/2	1.900	40ST	0.145	1.610	0.497	0.421	0.799	2.04	2.72	0.881	CW	T	231
		80XS	0.200	1.500	0.497	0.393	1.068	1.77	3.63	0.765	CW	T	576
2	2.375	40ST	0.154	2.067	0.622	0.541	1.07	3.36	3.65	1.45	CW	T	230
		80XS	0.218	1.939	0.622	0.508	1.48	2.95	5.02	1.28	CW	T	551
2-1/2	2.875	40ST	0.203	2.469	0.753	0.646	1.70	4.79	5.79	2.07	CW	W	533
		80XS	0.276	2.323	0.753	0.608	2.25	4.24	7.66	1.83	CW	W	835
3	3.500	40ST	0.216	3.068	0.916	0.803	2.23	7.39	7.57	3.20	CW	W	482
		80XS	0.300	2.900	0.916	0.759	3.02	6.60	10.25	2.86	CW	W	767
4	4.500	40ST	0.237	4.026	1.178	1.054	3.17	12.73	10.78	5.51	CW	W	430
		80XS	0.337	3.826	1.178	1.002	4.41	11.50	14.97	4.98	CW	W	695
6	6.625	40ST	0.280	6.065	1.734	1.588	5.58	28.89	18.96	12.50	ERW	W	696
		80XS	0.432	5.761	1.734	1.508	8.40	26.07	28.55	11.28	ERW	W	1209
8	8.625	80	0.577	8.074	2.950	2.440	7.00	54.40	34.00	20.44	ERW	W	500

		40ST	0.322	7.981	2.258	2.089	8.40	50.03	28.53	21.65	ERW	W	643
		80XS	0.500	7.625	2.258	1.996	12.76	45.66	43.35	19.76	ERW	W	1106
10	10.75	30	0.307	10.136	2.814	2.654	10.07	80.69	34.21	34.92	ERW	W	485
		40ST	0.365	10.020	2.814	2.623	11.91	78.85	40.45	34.12	ERW	W	606
		XS	0.500	9.750	2.814	2.552	16.10	74.66	54.69	32.31	ERW	W	887
		80	0.593	9.564	2.814	2.504	18.92	71.84	64.28	31.09	ERW	W	1081
12	12.75	30	0.330	12.090	3.338	3.165	12.88	114.8	43.74	49.68	ERW	W	449
		ST	0.375	12.000	3.338	3.141	14.58	113.1	49.52	48.94	ERW	W	528
		40	0.406	11.938	3.338	3.125	15.74	111.9	53.48	48.44	ERW	W	583
		XS	0.500	11.750	3.338	3.076	19.24	108.4	65.37	46.92	ERW	W	748
		80	0.687	11.376	3.338	2.978	26.03	101.6	88.44	43.98	ERW	W	1076
14	14.00	30ST	0.375	13.250	3.665	3.469	16.05	137.9	54.53	59.67	ERW	W	481
		40	0.437	13.126	3.665	3.436	18.62	135.3	63.25	58.56	ERW	W	580
		XS	0.500	13.000	3.665	3.403	21.21	132.7	72.04	57.44	ERW	W	681
		80	0.750	12.500	3.665	3.272	31.22	122.7	106.05	53.11	ERW	W	1081
16	16.00	30ST	0.375	15.250	4.189	3.992	18.41	182.6	62.53	79.04	ERW	W	421
		40XS	0.500	15.000	4.189	3.927	24.35	176.7	82.71	76.47	ERW	W	596
18	18.00	ST	0.375	17.250	4.712	4.516	20.76	233.7	70.54	101.13	ERW	W	374
		30	0.437	17.126	4.712	4.483	24.11	230.3	81.91	99.68	ERW	W	451
		XS	0.500	17.000	4.712	4.450	27.49	227.0	93.38	98.22	ERW	W	530
		40	0.562	16.876	4.712	4.418	30.79	223.7	104.59	96.80	ERW	W	607
20	20.00	20ST	0.375	19.250	5.236	5.039	23.12	291.0	78.54	125.94	ERW	W	337
		30XS	0.500	19.000	5.236	4.974	30.63	283.5	104.05	122.69	ERW	W	477
		40	0.593	18.814	5.236	4.925	36.15	278.0	122.82	120.30	ERW	W	581

Pipeline Supply and Service Co., Inc. • Houston, TX 77054  
Phone 713-747-0090 • Fax 713-747-0855  
<http://www.pipelinesupply.com/>