



Carbon Resource Guide

PIPE PRODUCTS

WEIGHTS & TYPES



Pipe Products

Standard, Continuous Weld, Electric Weld or Seamless

This pipe is generally available with Plain Ends, which are square cut, Threaded and Coupled and with Beveled Ends.

Scope

Covers black and hot dipped galvanized, welded and seamless in nominal pipe sizes 1/8 through 26 inches with average nominal wall thickness as given in the following pages. Pipe ordered to this specification is intended for mechanical and pressure applications and is also acceptable for ordinary uses in steam, water, gas and air lines. It is suitable for welding and for some forming operations.

Manufacture

The weld seam of electric-resistance welded pipe in Grade B shall be heat treated after welding to a minimum of 1000° (540°C) so that no untempered martensite remains, or otherwise processed in such a manner that no untempered martensite remains.

Strength Requirements

Seamless Or Electric Weld	Tensile Strength (P.S.I.)	Yield Strength (P.S.I.)
A53 Grade A	48,000 Min.	30,000 Min.
A53 Grade B	60,000 Min.	35,000 Min.
Open Hearth, Basic Oxygen, Or Electric Furnace Buttweld	Tensile Strength (P.S.I.)	Yield Strength (P.S.I.)
A53 Grade A	45,000 Min.	25,000 Min.

Pipe Dimensions & Weights



Size (In.)	O.D. (In.)	I.D. (In.)	Wall Thick.	Pipe Sched.	Num. Threads	P.E.	Wt./ Ft. T & C
1/8	.405	.269	.068	40	27	.24	.24
1/4	.540	.364	.088	40	18	.42	.42
3/8	.675	.493	.091	40	18	.57	.57
1/2	.840	.622	.109	40	14	.85	.85
3/4	1.050	.824	.113	40	14	1.13	1.13
1	1.315	1.049	.133	40	11 ½	1.68	1.68
1 ¼	1.660	1.380	.140	40	11 ½	2.27	2.28
1 ½	1.900	1.610	.145	40	11 ½	2.72	2.73
2	2.375	2.067	.154	40	11 ½	3.65	3.68
2 ½	2.875	2.469	.203	40	8	5.79	5.82
3	3.500	3.068	.216	40	8	7.58	7.62
3 ½	4.000	3.548	.226	40	8	9.11	9.20
4	4.500	4.026	.237	40	8	10.79	10.89
5	5.563	5.047	.258	40	8	14.62	14.81
6	6.625	6.605	.280	40	8	18.97	19.18
8	8.625	8.071	.277	30	8	24.70	25.55
8	8.625	7.981	.322	40	8	28.55	29.35
10	10.750	10.136	.307	30	8	34.24	35.75
10	10.750	10.020	.365	40	8	40.48	41.85
12	12.750	12.090	.330	30	8	43.77	45.45
12	12.750	12.00	.376	Std.	8	49.56	51.15

Note: Many Structural Sizes are available in 21', 24', 30', 34', & 40' lengths. All weights and dimensions are nominal. Permissible variation in weight is 5% above or below.

Extra Strong Pipe



Size (In.)	O.D. (In.)	I.D. (In.)	Wall Thick.	Wt./Ft. P.E.
1/8	.405	.215	.095	.31
1/4	.540	.302	.119	.54
3/8	.675	.423	.126	.74
1/2	.840	.546	.147	1.09
3/4	1.050	.742	.154	1.47

Extra Strong Pipe (Continued)



Size (In.)	O.D. (In.)	I.D. (In.)	Wall Thick.	Wt./Ft. P.E.
1	1.315	.957	.179	2.17
1 ¼	1.660	1.278	.191	3.00
1 ½	1.900	1.500	.200	3.63
2	2.375	1.939	.218	5.04
2 ½	2.875	2.323	.276	7.66
3	3.500	2.900	.300	10.25
3 ½	4.000	3.364	.318	12.51
4	4.500	3.826	.337	14.98
5	5.563	4.813	.375	20.78
6	6.625	5.761	.432	28.57
8	8.625	7.625	.500	43.39
10	10.750	9.750	.500	54.74
12	12.750	11.750	.500	65.42

Double Extra Strong Pipe



Size (In.)	O.D. (In.)	I.D. (In.)	Wall Thick.	Wt./Ft. P.E.
1/2	.840	.252	.294	-----
3/4	1.050	.434	.308	2.44
1	1.315	.599	.358	3.66
1 ¼	1.660	.896	.382	5.21
1 ½	1.900	1.100	.400	6.41
2	2.375	1.503	.436	9.03
2 ½	2.875	1.771	.552	13.70
3	3.500	2.300	.600	18.58
4	4.500	3.152	.674	27.54
5	5.563	4.063	.750	38.55
6	6.625	4.897	.864	53.16
8	8.625	6.875	.875	72.42

Above Grades: Continuous Weld, Electric Weld or Seamless - Specification A53A or A53B.

Light Wall Pipe ~ Bare Uncoated AWWA C-200



Straight Seam				Spiral Seam			
OD	S.W. Ga	Wall	Wt./ Foot	OD	S.W. Ga	Wall	Wt./ Foot
4	14	.075	3.21	8	10	.135	26.31
	12	.105	5.03		7	.180	35.67
	10	.135	6.43		14	.075	6.48
4½	14	.075	3.62	10	12	.105	9.04
	12	.105	6.75		10	.135	11.58
	10	.135	8.64		8 5/8	12	.105
6	14	.075	4.85	12	12	.105	11.33
	12	.105	6.75		10	.135	14.53
	10	.135	8.64		10 ¾	12	.105
6 5/8	12	.105	7.47	14	12	.105	13.62
	14	.075	6.48		10	.135	17.47
	12	.105	9.04		12 ¾	12	.105
8	14	.075	6.48	16	12	.105	15.92
	12	.105	9.04		10	.135	20.42
	10	.135	11.58		16	12	.105
8 5/8	12	.105	9.76	18	10	.135	23.36
	10	.135	14.53		7	.180	31.67
	10 ¾	12	.105		12.19	18	12
12	12	.105	13.62	20	10	.135	26.31
	10	.135	17.47		7	.180	35.67
	12 ¾	12	.105		14.48	20	10
14	12	.105	15.92	22	7	.180	39.68
	10	.135	20.42		10	.135	32.20
	16	12	.105		18.21	7	.180
16	10	.135	23.36	24	10	.135	35.1
	7	.180	31.67		12	.105	20.50
	18	12	.105		20.50		



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