



PIPE PILES CAPABILITY CHART

PIPE PILE SIZES & PROPERTIES

OUTER DIAMETER	WALL THICKNESS	INSIDE DIAMETER	WEIGHT	CROSS SECTION AREA	I	S	COATING AREA	AVAILABILITY
in.	in.	in.	lbs./ft.	in ²	in ⁴	in ³	ft ² /ft.	
6.625	0.250	6.125	17.04	5.01	25.47	7.69	1.73	●
6.625	0.280	6.065	18.99	5.58	28.14	8.50	1.73	●
6.625	0.375	5.875	25.05	7.36	36.08	10.89	1.73	●
6.625	0.432	5.761	28.60	8.40	40.49	12.22	1.73	●
7	0.250	6.500	18.04	5.30	30.23	8.64	1.83	●
7	0.312	6.376	22.31	6.55	36.73	10.49	1.83	●
7	0.375	6.250	26.56	7.80	42.96	12.27	1.83	●
7	0.500	6.000	34.74	10.21	54.24	15.50	1.83	●
8.625	0.250	8.125	22.38	6.58	57.72	13.38	2.26	●
8.625	0.322	7.981	25.58	8.40	72.49	16.81	2.26	●
8.625	0.375	7.875	33.07	9.72	82.86	19.21	2.26	●
8.625	0.500	7.625	43.43	12.76	105.72	24.51	2.26	●
8.625	0.625	7.375	53.45	15.71	126.43	29.32	2.26	●
9.625	0.250	9.125	25.05	7.36	80.95	16.82	2.52	●
9.625	0.312	9.001	31.06	9.13	99.08	20.59	2.52	●
9.625	0.375	8.875	37.08	10.90	116.74	24.26	2.52	●
9.625	0.500	8.625	48.77	14.33	149.63	31.09	2.52	●
9.625	0.625	8.375	60.13	17.67	179.79	37.36	2.52	●
10.75	0.250	10.250	28.06	8.25	113.71	21.16	2.81	●
10.75	0.312	10.126	34.81	10.23	139.46	25.95	2.81	●
10.75	0.365	10.020	40.52	11.91	160.73	29.90	2.81	●
10.75	0.375	10.000	41.59	12.22	164.67	30.64	2.81	●
10.75	0.500	9.750	54.79	16.10	211.95	39.43	2.81	●
10.75	0.625	9.500	67.65	19.88	255.73	47.58	2.81	●
10.75	0.688	9.374	74.00	21.74	276.52	51.45	2.81	●
12	0.250	11.500	31.40	9.23	159.33	26.56	3.14	●
12	0.312	11.376	38.98	11.45	195.77	32.63	3.14	●
12	0.375	11.250	46.60	13.69	231.59	38.60	3.14	●
12	0.500	11.000	61.47	18.06	299.19	49.86	3.14	●
12	0.625	10.750	76.00	22.33	362.33	60.39	3.14	●
12.75	0.250	12.250	33.41	9.82	191.82	30.09	3.34	●
12.75	0.312	12.126	41.48	12.19	235.91	37.00	3.34	●
12.75	0.375	12.000	49.61	14.58	279.33	43.82	3.34	●
12.75	0.500	11.750	65.48	19.24	361.54	56.71	3.34	●
12.75	0.625	11.500	81.01	23.80	438.67	68.81	3.34	●
12.75	0.688	11.374	88.71	26.07	475.68	74.62	3.34	●
12.75	0.750	11.250	96.21	28.27	510.93	80.15	3.34	●
12.75	0.875	11.000	111.08	32.64	578.52	90.75	3.34	●
14	0.250	13.500	36.75	10.80	255.30	36.47	3.66	●
14	0.312	13.376	45.65	13.41	314.38	44.91	3.66	●
14	0.375	13.250	54.62	16.05	372.76	53.25	3.66	●
14	0.500	13.000	72.16	21.20	483.76	69.11	3.66	●
14	0.625	12.750	89.36	26.26	588.53	84.08	3.66	●
14	0.688	12.624	97.91	28.77	639.05	91.29	3.66	●
14	0.750	12.500	106.23	31.21	687.32	98.19	3.66	●
14	0.875	12.250	122.77	36.07	780.35	111.48	3.66	●
14	1.000	12.000	138.97	40.83	867.86	123.98	3.66	●

● Standard sizes rolled every 3-8 weeks ● Non-standard sizes ● New mill sizes coming soon

PIPE PILE SIZES & PROPERTIES

OUTER DIAMETER	WALL THICKNESS	INSIDE DIAMETER	WEIGHT	CROSS SECTION AREA	I	S	COATING AREA	AVAILABILITY
in.	in.	in.	lbs./ft.	in ²	in ⁴	in ³	ft ² /ft.	
16	0.250	15.500	42.09	12.37	383.66	47.96	4.19	●
16	0.312	15.376	52.32	15.37	473.25	59.16	4.19	●
16	0.375	15.250	62.64	18.40	562.08	70.26	4.19	●
16	0.500	15.000	82.85	24.34	731.94	91.49	4.19	●
16	0.625	14.750	102.72	30.18	893.52	111.69	4.19	●
16	0.688	14.624	112.62	33.09	971.90	121.49	4.19	●
16	0.750	14.500	122.27	35.93	1047.08	130.88	4.19	●
16	0.875	14.250	141.48	41.57	1192.90	149.11	4.19	●
16	1.000	14.000	160.35	47.12	1331.25	166.41	4.19	●
18	0.250	17.500	47.44	13.94	549.14	61.02	4.71	●
18	0.312	17.376	58.99	17.33	678.24	75.36	4.71	●
18	0.375	17.250	70.65	20.76	806.63	89.63	4.71	●
18	0.500	17.000	93.54	27.48	1053.17	117.02	4.71	●
18	0.625	16.750	116.09	34.11	1289.07	143.23	4.71	●
18	0.688	16.624	127.32	37.41	1404.03	156.00	4.71	●
18	0.750	16.500	138.30	40.64	1514.64	168.29	4.71	●
18	0.875	16.250	160.18	47.07	1730.18	192.24	4.71	●
18	1.000	16.000	181.73	53.40	1936.00	215.11	4.71	●
20	0.250	19.500	52.78	15.51	756.43	75.64	5.24	●
20	0.312	19.376	65.66	19.29	935.25	93.53	5.24	●
20	0.375	19.250	78.67	23.12	1113.47	111.35	5.24	●
20	0.500	19.000	104.23	30.62	1456.86	145.69	5.24	●
20	0.625	18.750	129.45	38.04	1786.97	178.70	5.24	●
20	0.688	18.624	142.03	41.73	1948.41	194.84	5.24	●
20	0.750	18.500	154.34	45.35	2104.13	210.41	5.24	●
20	0.875	18.250	178.89	52.56	2408.69	240.87	5.24	●
20	1.000	18.000	203.11	59.68	2700.98	270.10	5.24	●
24	0.375	23.250	94.71	27.83	1942.30	161.86	6.28	●
24	0.500	23.000	125.61	36.91	2549.35	212.45	6.28	●
24	0.625	22.750	156.17	45.89	3136.93	261.41	6.28	●
24	0.688	22.624	171.45	50.38	3425.82	285.49	6.28	●
24	0.750	22.500	186.41	54.77	3705.45	308.79	6.28	●
24	0.875	22.250	216.31	63.56	4255.34	354.61	6.28	●
24	1.000	22.000	245.87	72.24	4787.00	398.92	6.28	●
28	0.375	27.250	110.74	32.54	3105.11	221.79	7.33	●
28	0.500	27.000	146.99	43.19	4084.80	291.77	7.33	●
28	0.625	26.750	182.90	53.74	5037.65	359.83	7.33	●
28	0.688	26.624	200.87	59.02	5507.87	393.42	7.33	●
28	0.750	26.500	218.48	64.19	5964.16	426.01	7.33	●
28	0.875	26.250	253.72	74.55	6864.81	490.34	7.33	●
28	1.000	26.000	288.63	84.81	7740.09	552.86	7.33	●

● Standard sizes rolled every 3-8 weeks ● Non-standard sizes ● New mill sizes coming soon

Custom lengths, gauges and grades available upon request.
Piling products produced from domestic materials with MTRs.

STEEL PIPE SPECIFICATIONS

ASTM	MIN YIELD (KSI)
A252 Grade 2	35
A252 Grade 3	45
A252 Grade 3 (Mod)*	50
A252 Grade 3 (Mod)	60
A252 Grade 3 (Mod)	70
A252 Grade 3 (Mod)	75
A500 Grade C**	46

* Most common and readily available for sizes 12.75" OD and larger

** Most common and readily available for sizes 10.75" OD and smaller

FORMULAS

Cross section Area $(\pi/4) \times (D_o^2 - D_i^2)$

Moment of Inertia $\frac{\pi(D_o^4 - D_i^4)}{64}$

Section Modulus $\frac{\pi(D_o^4 - D_i^4)}{32D}$

Radius of Gyration $\sqrt{\frac{\pi(D_o^2 - D_i^2)}{16}}$

Pipe Weight (lbs./ft.) $10.69*t*(D_o-t)$