

JD FIELDS

& Company, Inc.

PIPE PILING

Below are Properties for standard pipe sizes based on standard engineering formulas

JD Fields can supply other sizes not listed

Pipe OD in	Pipe ID in	Wall Thk in	Weight #/ft	Moment of inertia (IN ⁴)	Section modulus (IN ³)	Radius of Gyration IN	Area (IN ²)
8.625	8.187	0.219	19.68	51.12	11.85	2.97	5.78
8.625	8.125	0.250	22.38	57.72	13.38	2.96	6.58
8.625	7.981	0.322	28.58	72.49	16.81	2.94	8.40
8.625	7.625	0.500	43.43	105.72	24.51	2.88	12.76
9.625	9.063	0.281	28.07	90.11	18.72	3.31	8.25
9.625	9.001	0.312	31.06	99.08	20.59	3.29	9.13
9.625	8.921	0.352	34.89	110.38	22.94	3.28	10.25
9.625	8.835	0.395	38.97	122.20	25.39	3.27	11.45
9.625	8.755	0.435	42.73	132.88	27.61	3.25	12.56
9.625	8.681	0.472	46.18	142.51	29.61	3.24	13.57
9.625	8.535	0.545	52.9	160.80	33.41	3.22	15.55
10.750	10.250	0.250	28.06	113.71	21.16	3.71	8.25
10.750	10.192	0.279	31.23	125.87	23.42	3.70	9.18
10.750	10.050	0.350	38.91	154.78	28.8	3.68	11.44
10.750	10.000	0.375	41.59	164.67	30.64	3.67	12.22
10.750	9.750	0.500	54.79	211.95	39.43	3.63	16.10
12.750	12.250	0.250	33.41	191.82	30.09	4.42	9.82
12.750	12.000	0.375	49.61	279.34	43.82	4.38	14.58
12.750	11.750	0.500	65.48	361.54	56.71	4.33	19.24
14.000	13.500	0.250	36.75	255.30	36.47	4.86	10.80
14.000	13.250	0.375	54.62	372.76	53.25	4.82	16.05
14.000	13.000	0.500	72.16	483.76	69.11	4.78	21.21
16.000	15.500	0.250	42.09	383.66	47.96	5.57	12.37
16.000	15.250	0.375	62.64	562.08	70.26	5.53	18.41
16.000	15.000	0.500	82.85	731.94	91.49	5.48	24.35
18.000	17.500	0.250	47.44	549.14	61.02	6.28	13.94
18.000	17.250	0.375	70.65	806.63	89.63	6.23	20.76
18.000	17.000	0.500	93.54	1,053.17	117.02	6.19	27.49
18.000	16.750	0.625	116.09	1,289.07	143.23	6.15	34.12
18.000	16.500	0.750	138.3	1,514.64	168.29	6.10	40.64
20.000	19.500	0.250	52.78	756.43	75.64	6.98	15.51
20.000	19.250	0.375	78.67	1,113.47	111.35	6.94	23.12
20.000	19.000	0.500	104.23	1,456.86	145.69	6.90	30.63
20.000	18.750	0.625	129.45	1,786.97	178.7	6.85	38.04
20.000	18.500	0.750	154.34	2,104.13	210.41	6.81	45.36
22.000	21.500	0.250	58.13	1,010.26	91.84	7.69	17.08
22.000	21.250	0.375	86.69	1,489.67	135.42	7.65	25.48
22.000	21.000	0.500	114.92	1,952.45	177.5	7.60	33.77
22.000	20.750	0.625	142.81	2,399.00	218.09	7.56	41.97
22.000	20.500	0.750	170.37	2,829.69	257.24	7.52	50.07

Pipe OD in	Pipe ID in	Wall Thk in	Weight #/ft	Moment of inertia (IN ⁴)	Section modulus (IN ³)	Radius of Gyration IN	Area (IN ²)
24.000	23.500	0.250	63.47	1,315.34	109.61	8.40	18.65
24.000	23.250	0.375	94.71	1,942.30	161.86	8.35	27.83
24.000	23.000	0.500	125.61	2,549.35	212.45	8.31	36.91
24.000	22.750	0.625	156.17	3,136.93	261.41	8.27	45.90
24.000	22.500	0.750	186.41	3,705.46	308.79	8.22	54.78
24.000	22.000	1.000	245.87	4,787.00	398.92	8.14	72.26
26.000	25.250	0.375	102.72	2,478.42	190.65	9.06	30.19
26.000	25.000	0.500	136.3	3,257.00	250.54	9.02	40.06
26.000	24.750	0.625	169.54	4,012.56	308.66	8.97	49.82
28.000	27.250	0.375	110.74	3,105.12	221.79	9.77	32.54
28.000	27.000	0.500	146.99	4,084.81	291.77	9.72	43.20
28.000	26.750	0.625	182.9	5,037.66	359.83	9.68	53.75
28.000	26.500	0.750	218.48	5,964.16	426.01	9.64	64.21
30.000	29.250	0.375	118.76	3,829.44	255.3	10.47	34.90
30.000	29.000	0.500	157.68	5,042.21	336.15	10.43	46.34
30.000	28.750	0.625	196.26	6,224.01	414.93	10.39	57.68
30.000	28.500	0.750	234.51	7,375.38	491.69	10.34	68.92
30.000	28.000	1.000	310.01	9,588.93	639.26	10.26	91.11
36.000	35.250	0.375	142.81	6,658.92	369.94	12.60	41.97
36.000	35.000	0.500	189.75	8,786.20	488.12	12.55	55.76
36.000	34.750	0.625	236.35	10,868.38	603.8	12.51	69.46
36.000	34.500	0.750	282.62	12,906.10	717.01	12.47	83.06
36.000	34.000	1.000	374.15	16,850.72	936.15	12.38	109.96
40.000	39.250	0.375	158.85	9,163.00	458.15	14.01	46.68
40.000	39.000	0.500	211.13	12,102.94	605.15	13.97	62.05
40.000	38.750	0.625	263.07	14,986.87	749.34	13.92	77.31
40.000	38.500	0.750	314.69	17,815.53	890.78	13.88	92.48
40.000	38.000	1.000	416.91	23,309.83	1165.49	13.79	122.52
42.000	41.250	0.375	166.86	10,621.58	505.79	14.72	49.04
42.000	41.000	0.500	221.82	14,035.80	668.37	14.67	65.19
42.000	40.750	0.625	276.44	17,388.14	828.01	14.63	81.24
42.000	40.500	0.750	330.72	20,679.33	984.73	14.59	97.19
42.000	40.000	1.000	438.29	27,081.31	1289.59	14.50	128.81
48.000	47.250	0.375	190.92	15,908.27	662.84	16.84	56.11
48.000	47.000	0.500	253.89	21,045.48	876.9	16.79	74.61
48.000	46.750	0.625	316.52	26,101.36	1087.56	16.75	93.02
48.000	46.500	0.750	378.83	31,076.78	1294.87	16.71	111.33
48.000	46.000	1.000	502.43	40,789.65	1699.57	16.62	147.65
48.000	45.750	1.125	563.73	45,528.81	1897.03	16.58	165.67
48.000	45.500	1.250	624.7	50,190.92	2091.29	16.53	183.59
48.000	45.000	1.500	745.63	59,287.30	2470.3	16.45	219.13