

ENGINEERING INFORMATION - CAST IRON PIPE DATA



19.13

Shaded area indicates change Rev. 4-99

Outside diameters, inside diameters and thicknesses of various pipes

Nominal size	CENTRIFUGALLY CAST PIPE ANSI A21.6 • ANSI A21.8 AWWA C106 • AWWA C108			PIT CAST PIPE ANSI A21.2 AWWA C102								
	O.D.	I.D.	THICKNESS	O.D.	I.D.	THICKNESS						
CLASS 200 • 200 PSI • 462 FT. HD.												
3"	3.96	3.32	.32	3.80	3.06	.37						
4"	4.80	4.10	.35	4.80	4.00	.40						
6"	6.90	6.14	.38	6.90	6.04	.43						
8"	9.05	8.23	.41	9.05	8.13	.46						
10"	11.10	10.22	.44	11.10	9.94	.58						
12"	13.20	12.24	.48	13.20	11.94	.63						
14"	15.65	14.55	.55	15.65	14.29	.68						
16"	17.80	16.64	.58	17.80	16.22	.79						
18"	19.92	18.66	.63	19.92	18.22	.85						
20"	22.06	20.72	.67	22.06	20.26	.90						
24"	26.32	24.74	.79	26.32	24.32	1.00						
30"	32.00	30.16	.92	32.74	30.36	1.19						
36"	38.30	36.26	1.02	39.16	36.30	1.43						
42"	44.50	42.24	1.13	45.58	42.42	1.58						
48"	50.80	48.34	1.23	51.98	48.52	1.73						
54"	-	-	-	58.40	54.60	1.90						
60"	-	-	-	64.82	60.42	2.20						
CLASS 250 • 250 PSI • 577 FT. HD.												
3"	3.96	3.32	.32	3.80	3.06	.37						
4"	4.80	4.10	.35	4.80	4.00	.40						
6"	6.90	6.14	.38	6.90	6.04	.43						
8"	9.05	8.23	.41	9.05	8.05	.50						
10"	11.10	10.22	.44	11.40	10.14	.63						
12"	13.20	12.16	.52	13.50	12.14	.68						
14"	15.65	14.47	.59	15.65	14.07	.79						
16"	17.80	16.54	.63	17.80	16.10	.85						
18"	19.92	18.56	.68	19.92	18.08	.92						
20"	22.06	20.62	.72	22.06	20.12	.97						
24"	26.32	24.74	.79	26.32	24.16	1.08						
30"	32.00	30.02	.99	32.74	29.96	1.39						
36"	38.30	36.10	1.10	39.16	36.08	1.54						
42"	44.50	42.06	1.22	45.58	42.16	1.71						
48"	50.80	48.14	1.33	51.98	47.94	2.02						
54"	-	-	-	58.40	53.98	2.21						
60"	-	-	-	64.82	60.06	2.38						
AWWA - 1908 STANDARD												
Nominal size	CLASS A 43 PSI - 100FT. HD.			CLASS B 86 PSI - 200FT. HD.			CLASS C 130 PSI - 300FT. HD.			CLASS D 173 PSI - 400FT. HD.		
	O.D.	I.D.	THICKNESS	O.D.	I.D.	THICKNESS	O.D.	I.D.	THICKNESS	O.D.	I.D.	THICKNESS
3"	3.80	3.02	.39	3.96	3.14	.42	3.96	3.06	.45	3.96	3.00	.48
4"	4.80	3.96	.42	5.00	4.10	.45	5.00	4.04	.48	5.00	3.96	.52
6"	6.90	6.02	.44	7.10	6.14	.48	7.10	6.08	.51	7.10	6.00	.55
8"	9.05	8.13	.46	9.05	8.03	.51	9.30	8.18	.56	9.30	8.10	.60
10"	11.10	10.10	.50	11.10	9.96	.57	11.40	10.16	.62	11.40	10.04	.68
12"	13.20	12.12	.54	13.20	11.96	.62	13.50	12.14	.68	13.50	12.00	.75
14"	15.30	14.16	.57	15.30	13.98	.66	15.65	14.17	.74	15.65	14.01	.82
16"	17.40	16.20	.60	17.40	16.00	.70	17.80	16.20	.80	17.80	16.02	.89
18"	19.50	18.22	.64	19.50	18.00	.75	19.92	18.18	.87	19.92	18.00	.96
20"	21.60	20.26	.67	21.60	20.00	.80	22.06	20.22	.92	22.06	20.00	1.03
24"	25.80	24.28	.76	25.80	24.02	.89	26.32	24.24	1.04	26.32	24.00	1.16
30"	31.74	29.98	.88	32.00	29.94	1.03	32.40	30.00	1.20	32.74	30.00	1.37
36"	37.96	35.98	.99	38.30	36.00	1.15	38.70	35.98	1.36	39.16	36.00	1.58
42"	44.20	42.00	1.10	44.50	41.94	1.28	45.10	42.02	1.54	45.58	42.02	1.78
48"	50.50	47.98	1.26	50.80	47.96	1.42	51.40	47.98	1.71	51.98	48.06	1.96
54"	56.66	53.96	1.35	57.10	54.00	1.55	57.80	54.00	1.90	58.40	53.94	2.23
60"	62.80	60.02	1.39	63.40	60.06	1.67	64.20	60.20	2.00	64.82	60.06	2.38
72"	75.34	72.10	1.62	76.00	72.10	1.95	76.88	72.10	2.39	-	-	-