



Ductile Iron H₂Sewer Safe® Pipe

TYTON JOINT® Pipe SewperCoat® Lined

Specifications

The pipe shall conform to ANSI/AWWA C151/A21.51 and ASTM A 746.

Thickness The thickness of ductile iron pipe shall be determined by considering the trench load and internal pressure separately in accordance with ANSI/AWWA C150/A21.50.

Outside Coating The outside coating shall be a minimum of 1 mil bituminous paint according to ANSI/AWWA C151/A21.51 Section 51-8.1. Prior to lining, the exterior and interior of the spigot end, including the spigot face, shall be coated with a minimum of 8 mils of epoxy.

Inside Coating Before lining, the inside of the socket, including a portion of the gasket cavity and a portion of the pipe barrel, shall be coated with a minimum of 8 mils of epoxy.

Lining 1. Type. The lining shall be SewperCoat as manufactured by Lafarge Calcium Aluminates or approved equal. SewperCoat is a calcium aluminate mortar made of fused calcium aluminate cement and fused calcium aluminate aggregates.

A seal coat shall be applied to the lining.

2. Thickness. The thickness of the lining shall be a minimum of:

0.125" for 6" through 12"

0.1875" for 14" through 24"

The lining thickness may taper to less than the specified minimum at the ends of the pipe.

3. Quality. Cracks, other than closed hairline cracks and/or fine crazing, shall not be acceptable. Loose areas of cement lining are not allowable.

Fittings Fittings shall be ductile iron at least Class 54 Thickness and in accordance with the requirements of either ANSI/AWWA C153/A21.53 or ANSI/AWWA C110/A21.10. Mechanical Joints shall conform to ANSI/AWWA C111/A21.11. Fittings shall be SewperCoat lined and coated with bituminous paint.

H₂Sewer Safe® is a registered trademark of Griffin Pipe Products Co.
TYTON JOINT® is a registered trademark of U.S. Pipe and Foundry Co.
SewperCoat® is a registered trademark of Lafarge Calcium Aluminates

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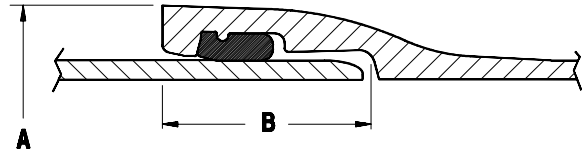
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Dimensions & Weights



Pipe Barrel					Laying Length 20 ft.				
Size in.	Press. Class	Thick. Class	Nom. Thick. in.	Nom. O.D. in.	A Bell O.D. in.	B Bell Depth in.	X Defl. Angle deg.	Wt. Per Lgth.† lb.	Y Max. Defl. in.
6		50	0.25	6.60	8.66	3.38	5	336	21
		51	0.28	6.90	8.66	3.38	5	372	21
		52	0.31	6.90	8.66	3.38	5	409	21
		53	0.34	6.90	8.66	3.38	5	445	21
		54	0.37	6.90	8.66	3.38	5	481	21
		55	0.40	6.90	8.66	3.38	5	516	21
		56	0.43	6.90	8.66	3.38	5	551	21
	350		0.25	6.90	8.66	3.38	5	336	21
8		50	0.27	9.05	10.82	3.69	5	477	21
		51	0.30	9.05	10.82	3.69	5	526	21
		52	0.33	9.05	10.82	3.69	5	574	21
		53	0.36	9.05	10.82	3.69	5	622	21
		54	0.39	9.05	10.82	3.69	5	670	21
		55	0.42	9.05	10.82	3.69	5	718	21
		56	0.45	9.05	10.82	3.69	5	765	21
	350		0.25	9.05	10.82	3.69	5	444	21
10		50	0.29	11.10	12.91	3.75	5	630	21
		51	0.32	11.10	12.91	3.75	5	690	21
		52	0.35	11.10	12.91	3.75	5	750	21
		53	0.38	11.10	12.91	3.75	5	810	21
		54	0.41	11.10	12.91	3.75	5	870	21
		55	0.44	11.10	12.91	3.75	5	929	21
		56	0.47	11.10	12.91	3.75	5	988	21
	350		0.26	11.10	12.91	3.75	5	569	21
12		50	0.31	13.20	15.05	3.75	5	801	21
		51	0.34	13.20	15.05	3.75	5	874	21
		52	0.37	13.20	15.05	3.75	5	946	21
		53	0.40	13.20	15.05	3.75	5	1,017	21
		54	0.43	13.20	15.05	3.75	5	1,089	21
		55	0.46	13.20	15.05	3.75	5	1,160	21
		56	0.49	13.20	15.05	3.75	5	1,230	21
	350		0.28	13.20	15.05	3.75	5	729	21
14		50	0.33	15.30	17.62	5.00	5	1,004	21
		51	0.36	15.30	17.62	5.00	5	1,088	21
		52	0.39	15.30	17.62	5.00	5	1,172	21
		53	0.42	15.30	17.62	5.00	5	1,256	21
		54	0.45	15.30	17.62	5.00	5	1,339	21
		55	0.48	15.30	17.62	5.00	5	1,422	21
		56	0.51	15.30	17.62	5.00	5	1,504	21
	250		0.28	15.30	17.62	5.00	5	863	21
	300		0.30	15.30	17.62	5.00	5	919	21
	350		0.31	15.30	17.62	5.00	5	947	21



† Including bell.

Weights do not include lining. Lining thickness for 6" - 12" diameter pipe is 1/8" minimum; for 14" - 24" diameter pipe is 3/16" minimum.

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Dimensions & Weights (cont.)

Pipe Barrel								Laying Length 20 ft.	
					A Bell O.D.	B Bell Depth	X Defl. Angle	Wt. Per Lgth.†	Y Max. Defl.
Size	Press. Class	Thick. Class	Nom. Thick.	Nom. O.D.					
in.			in.	in.	in.	in.	deg.	lb.	in.
16		50	0.34	17.40	19.74	5.00	5	1,177	21
		51	0.37	17.40	19.74	5.00	5	1,273	21
		52	0.40	17.40	19.74	5.00	5	1,369	21
		53	0.43	17.40	19.74	5.00	5	1,465	21
		54	0.46	17.40	19.74	5.00	5	1,560	21
		55	0.49	17.40	19.74	5.00	5	1,655	21
		56	0.52	17.40	19.74	5.00	5	1,750	21
		250	0.30	17.40	19.74	5.00	5	1,048	21
		300	0.32	17.40	19.74	5.00	5	1,113	21
	350	0.34	17.40	19.74	5.00	5	1,177	21	
18		50	0.35	19.50	21.86	5.00	5	1,356	21
		51	0.38	19.50	21.86	5.00	5	1,464	21
		52	0.41	19.50	21.86	5.00	5	1,572	21
		53	0.44	19.50	21.86	5.00	5	1,679	21
		54	0.47	19.50	21.86	5.00	5	1,787	21
		55	0.50	19.50	21.86	5.00	5	1,894	21
		56	0.53	19.50	21.86	5.00	5	2,000	21
		250	0.31	19.50	21.86	5.00	5	1,211	21
		300	0.34	19.50	21.86	5.00	5	1,319	21
	350	0.36	19.50	21.86	5.00	5	1,392	21	
20		50	0.36	21.60	23.98	5.50	5	1,542	21
		51	0.39	21.60	23.98	5.50	5	1,662	21
		52	0.42	21.60	23.98	5.50	5	1,782	21
		53	0.45	21.60	23.98	5.50	5	1,902	21
		54	0.48	21.60	23.98	5.50	5	2,021	21
		55	0.51	21.60	23.98	5.50	5	2,140	21
		56	0.54	21.60	23.98	5.50	5	2,259	21
		250	0.33	21.60	23.98	5.50	5	1,422	21
		300	0.36	21.60	23.98	5.50	5	1,542	21
	350	0.38	21.60	23.98	5.50	5	1,622	21	
24		50	0.38	25.80	28.16	5.95	5	1,953	21
		51	0.41	25.80	28.16	5.95	5	2,097	21
		52	0.44	25.80	28.16	5.95	5	2,241	21
		53	0.47	25.80	28.16	5.95	5	2,385	21
		54	0.50	25.80	28.16	5.95	5	2,528	21
		55	0.53	25.80	28.16	5.95	5	2,671	21
		56	0.56	25.80	28.16	5.95	5	2,814	21
		200	0.33	25.80	28.16	5.95	5	1,712	21
		250	0.37	25.80	28.16	5.95	5	1,905	21
	300	0.40	25.80	28.16	5.95	5	2,049	21	
	350	0.43	25.80	28.16	5.95	5	2,193	21	

† Including bell.

Weights do not include lining. Lining thickness for 6" - 12" diameter pipe is 1/8" minimum; for 14" - 24" diameter pipe is 3/16" minimum.