



Griffin Pipe Products Co.

Technical Data Sheet No. 123

ONE OF THE **Amsted**
INDUSTRIES

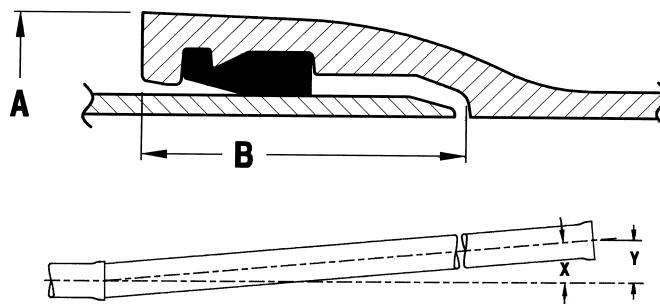
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Ductile Iron Pipe Fastite® Joint Pipe Thickness Class Designation

Specifications

Pipe shall be ductile iron manufactured in accordance with the requirements of ANSI/AWWA C151/A21.51. Push-on joints for such pipe shall be in accordance with ANSI/AWWA C111/A21.11. Pipe shall be Griffin or equal. Pipe thickness shall be designed in accordance with ANSI/AWWA C150/A21.50 and shall be based on laying conditions and internal pressure as specified in the project plans.

Pipe shall have cement mortar lining and seal coating, where applicable, in accordance with ANSI/AWWA C104/A21.4.



Dimensions & Weights

Size in.	Pipe Barrel						Laying Length 20 ft.	
	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.
30	50	0.39	32.00	34.95	6.50	5	2535	21
	51	0.43	32.00	34.95	6.50	5	2775	21
	52	0.47	32.00	34.95	6.50	5	3015	21
	53	0.51	32.00	34.95	6.50	5	3255	21
	54	0.55	32.00	34.95	6.50	5	3495	21
	55	0.59	32.00	34.95	6.50	5	3730	21
36	50	0.43	38.30	41.37	6.50	4	3340	17
	51	0.48	38.30	41.37	6.50	4	3700	17
	52	0.53	38.30	41.37	6.50	4	4060	17
	53	0.58	38.30	41.37	6.50	4	4415	17
	54	0.63	38.30	41.37	6.50	4	4770	17
	55	0.68	38.30	41.37	6.50	4	5130	17
42	50	0.47	44.50	48.25	7.50	3	4265	12
	51	0.53	44.50	48.25	7.50	3	4770	12
	52	0.59	44.50	48.25	7.50	3	5270	12
	53	0.65	44.50	48.25	7.50	3	5770	12
	54	0.71	44.50	48.25	7.50	3	6265	12
	55	0.77	44.50	48.25	7.50	3	6765	12
48	50	0.83	44.50	48.25	7.50	3	7255	12
	50	0.51	50.80	54.73	8.00	3	5285	12
	51	0.58	50.80	54.73	8.00	3	5955	12
	52	0.65	50.80	54.73	8.00	3	6620	12
	53	0.72	50.80	54.73	8.00	3	7285	12
	54	0.79	50.80	54.73	8.00	3	7950	12
48	55	0.86	50.80	54.73	8.00	3	8610	12
	56	0.93	50.80	54.73	8.00	3	9270	12

† Including bell.

Fastite® Joint is a registered trademark of American Cast Iron Pipe Company

Plants and Regional Sales Offices:

Council Bluffs, Iowa 51501
2601 Ninth Avenue
712/325-5131 Fax 712/325-5139

Florence, New Jersey 08518
1100 West Front Street
609/499-1400 1-800-272-2006
Fax 609/499-4868

Lynchburg, Virginia 24505
Adams St. - Upper Basin, Box 740
804/522-4742 Fax 804/522-4739

Pipe is normally manufactured with a cement-mortar lining. These weights do not include lining. Standard lining thickness for 30" - 48" diameter pipe is 1/8" minimum.

Ductile Iron Pipe

TYTON JOINT® Pipe Dimensions & Weights Continued

Pipe Barrel				Laying Length						
				18 ft.			20 ft.			
Size	Thick. Class	Nom. Thick.	Nom. O.D.	A Bell O.D.	B Bell Depth	X Defl. Angle	Wt. Per Lgth.†	Y Max. Defl.	Wt. Per Lgth.†	Y Max. Defl.
in.		in.	in.	in.	in.	deg.	lb.	in.	lb.	in.
12	50	0.31	13.20	15.05	3.75	5	724	19	801	21
	51	0.34	13.20	15.05	3.75	5	790	19	874	21
	52	0.37	13.20	15.05	3.75	5	854	19	946	21
	53	0.40	13.20	15.05	3.75	5	919	19	1,017	21
	54	0.43	13.20	15.05	3.75	5	983	19	1,089	21
	55	0.46	13.20	15.05	3.75	5	1,047	19	1,160	21
	56	0.49	13.20	15.05	3.75	5	1,111	19	1,230	21
14	50	0.33	15.30	17.62	5.00	5	909	19	1,004	21
	51	0.36	15.30	17.62	5.00	5	985	19	1,088	21
	52	0.39	15.30	17.62	5.00	5	1,060	19	1,172	21
	53	0.42	15.30	17.62	5.00	5	1,135	19	1,256	21
	54	0.45	15.30	17.62	5.00	5	1,210	19	1,339	21
	55	0.48	15.30	17.62	5.00	5	1,285	19	1,422	21
	56	0.51	15.30	17.62	5.00	5	1,359	19	1,504	21
16	50	0.34	17.40	19.74	5.00	5	1,066	19	1,177	21
	51	0.37	17.40	19.74	5.00	5	1,152	19	1,273	21
	52	0.40	17.40	19.74	5.00	5	1,239	19	1,369	21
	53	0.43	17.40	19.74	5.00	5	1,325	19	1,465	21
	54	0.46	17.40	19.74	5.00	5	1,410	19	1,560	21
	55	0.49	17.40	19.74	5.00	5	1,496	19	1,655	21
	56	0.52	17.40	19.74	5.00	5	1,581	19	1,750	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
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
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

† Including bell.

Pipe is normally manufactured with a cement-mortar lining. Above weights do not include lining. Standard lining thickness for 4" - 12" diameter pipe is $\frac{1}{16}$ " minimum; for 14" - 24" diameter pipe is $\frac{3}{32}$ " minimum.