



Griffin Pipe Products Co.

Technical Data Sheet No. 120

ONE OF THE **Amsted**
INDUSTRIES

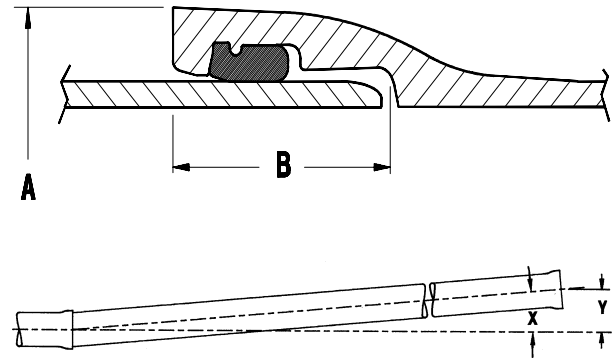
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Ductile Iron Pipe TYTON JOINT® Pipe Thickness Class Designation

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

Pipe Barrel										Laying Length	
										18 ft.	20 ft.
Size in.	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.		Wt. Per Lgth.† lb.	Y Max. Defl. in.
3	51	0.25	3.96	5.48	3.00	5	168	19			
	52	0.28	3.96	5.48	3.00	5	186	19			
	53	0.31	3.96	5.48	3.00	5	204	19			
	54	0.34	3.96	5.48	3.00	5	221	19			
	55	0.37	3.96	5.48	3.00	5	238	19			
	56	0.40	3.96	5.48	3.00	5	254	19			
4	51	0.26	4.80	6.52	3.15	5	214	19			
	52	0.29	4.80	6.52	3.15	5	236	19			
	53	0.32	4.80	6.52	3.15	5	258	19			
	54	0.35	4.80	6.52	3.15	5	280	19			
	55	0.38	4.80	6.52	3.15	5	301	19			
	56	0.41	4.80	6.52	3.15	5	321	19			
6	50	0.25	6.90	8.66	3.38	5	304	19	336	21	
	51	0.28	6.90	8.66	3.38	5	337	19	372	21	
	52	0.31	6.90	8.66	3.38	5	370	19	409	21	
	53	0.34	6.90	8.66	3.38	5	402	19	445	21	
	54	0.37	6.90	8.66	3.38	5	434	19	481	21	
	55	0.40	6.90	8.66	3.38	5	466	19	516	21	
8	56	0.43	6.90	8.66	3.38	5	497	19	551	21	
	50	0.27	9.05	10.82	3.69	5	431	19	477	21	
	51	0.30	9.05	10.82	3.69	5	475	19	526	21	
	52	0.33	9.05	10.82	3.69	5	519	19	574	21	
	53	0.36	9.05	10.82	3.69	5	562	19	622	21	
	54	0.39	9.05	10.82	3.69	5	605	19	670	21	
8	55	0.42	9.05	10.82	3.69	5	648	19	718	21	
	56	0.45	9.05	10.82	3.69	5	691	19	765	21	

*NOTE: 10" THRU 24"
continued on back.*

TYTON JOINT® is a registered trademark of U.S. Pipe and Foundry Co.

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
Fax 609/499-4868

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

Ductile Iron Pipe

TYTON JOINT® Pipe Dimensions & Weights Continued

Pipe Barrel							Laying Length			
							18 ft.		20 ft.	
Size in.	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.	Wt. Per Lgth.† lb.	Y Max. Defl. in.
10	50	0.29	11.10	12.91	3.75	5	569	19	630	21
	51	0.32	11.10	12.91	3.75	5	624	19	690	21
	52	0.35	11.10	12.91	3.75	5	678	19	750	21
	53	0.38	11.10	12.91	3.75	5	732	19	810	21
	54	0.41	11.10	12.91	3.75	5	785	19	870	21
	55	0.44	11.10	12.91	3.75	5	839	19	929	21
	56	0.47	11.10	12.91	3.75	5	892	19	988	21
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.