



Griffin Pipe Products Co.

Technical Data Sheet No. 118

ONE OF THE **Amsted**
INDUSTRIES

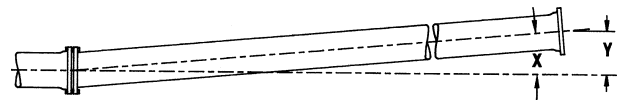
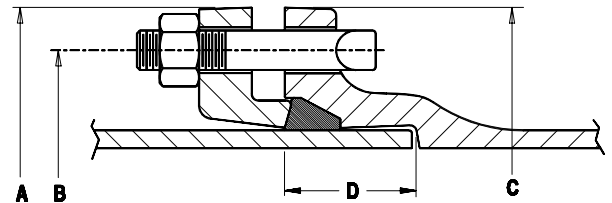
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Ductile Iron Pipe Mechanical Joint Pressure Class Designation

Specifications

Pipe shall be ductile iron manufactured in accordance with the requirements of ANSI/AWWA C151/A21.51. Mechanical 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			
Mechanical Joint				A	B	C	D	X		18 ft.		20 ft.	
Size	Press. Class	Nom. Thick.	Nom. O.D.	Gland O.D.	Dia. Bolt Circle	Socket O.D.	Socket Depth	Defl. Angle		Wt. Per Lgth.†	Max. Defl.	Wt. Per Lgth.†	Max. Defl.
in.		in.	in.	in.	in.	in.	in.	deg.		lb.	in.	lb.	in.
3	350	.25	3.96	7.69	6.19	7.62	2.50	8°-18'		169	31.0		
4	350	.25	4.80	9.12	7.50	9.06	2.50	8°-18'		210	31.0		
6	350	.25	6.90	11.12	9.50	11.06	2.50	7°-7'		306	27.0	338	30
8	350	.25	9.05	13.37	11.75	13.31	2.50	5°-21'		405	20.0	447	22
10	350	.26	11.10	15.62	14.00	15.62	2.50	5°-21'		519	20.0	573	22

NOTE: 12" THRU 24"
continued on back.

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Lynchburg, Virginia 24505
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Ductile Iron Pipe

Mechanical Joint Dimensions & Weights Continued

Pipe Barrel													Laying Length			
Mechanical Joint				A	B	C	D	X					18 ft.		20 ft.	
Size	Press. Class	Nom. Thick.	Nom. O.D.	Gland O.D.	Dia. Bolt Circle	Socket O.D.	Socket Depth	Defl. Angle	Wt. Per Lgth.†	Y Max. Defl.	Wt. Per Lgth.†	Y Max. Defl.				
in.		in.	in.	in.	in.	in.	in.	deg.	lb.	in.	lb.	in.				
12	350	.28	13.20	17.88	16.25	17.88	2.50	5°-21'	663	20.0	733	22				
14	250	.28	15.30	20.25	18.75	20.25	3.50	3°-35'	789	13.5	870	15				
	300	.30	15.30	20.25	18.75	20.25	3.50	3°-35'	840	13.5	926	15				
	350	.31	15.30	20.25	18.75	20.25	3.50	3°-35'	865	13.5	954	15				
16	250	.30	17.40	22.50	21.00	22.50	3.50	3°-35'	962	13.5	1,060	15				
	300	.32	17.40	22.50	21.00	22.50	3.50	3°-35'	1,020	13.5	1,125	15				
	350	.34	17.40	22.50	21.00	22.50	3.50	3°-35'	1,078	13.5	1,189	15				
18	250	.31	19.50	24.75	23.25	24.75	3.50	3°-0'			1,229	12				
	300	.34	19.50	24.75	23.25	24.75	3.50	3°-0'			1,337	12				
	350	.36	19.50	24.75	23.25	24.75	3.50	3°-0'			1,410	12				
20	250	.33	21.60	27.00	25.50	27.00	3.50	3°-0'			1,448	12				
	300	.36	21.60	27.00	25.50	27.00	3.50	3°-0'			1,568	12				
	350	.38	21.60	27.00	25.50	27.00	3.50	3°-0'			1,648	12				
24	200	.33	25.80	31.50	30.00	31.50	3.50	2°-23'			1,739	10				
	250	.37	25.80	31.50	30.00	31.50	3.50	2°-23'			1,932	10				
	300	.40	25.80	31.50	30.00	31.50	3.50	2°-23'			2,076	10				
	350	.43	25.80	31.50	30.00	31.50	3.50	2°-23'			2,220	10				

† 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.

Weights are shown less accessories. Refer to technical data sheets 102 or 103 for accessory weights.