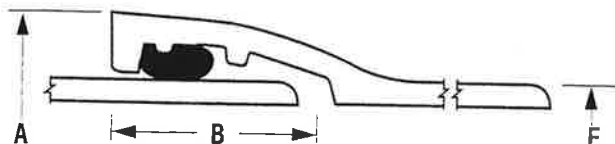


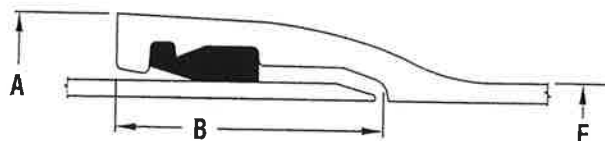
Griffin Push-On Joint Ductile Iron Pipe

The TYTON JOINT® and FASTITE JOINT® designs incorporate a single rubber sealing gasket assuring a tight, permanent seal. The "push-on" type joint is easy to assemble and fast to install. The push-on design eliminates the need for glands and fasteners. The rubber gasket fits inside the contour of the bell socket, which seats the gasket. The plain-end (spigot) of each pipe is beveled to further ease assembly.

TYTON JOINT® Pipe 3" — 24"

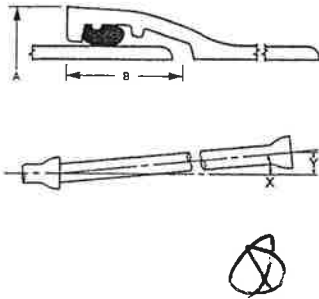


FASTITE JOINT® Pipe 30" — 48"



Nominal Pipe Size (inches)	"F" Pipe O.D. (inches)	"A" Pipe Bell O.D. (inches)	"B" Depth of Bell (inches)	Maximum Joint Deflection Angle (degrees)	Maximum Deflection per Joint (inches)	
					18 ft. Laying Length	20 ft. Laying Length
3	3.96	5.46	3.00	5	19	21
4	4.80	6.52	3.15	5	19	21
6	6.90	8.66	3.38	5	19	21
8	9.05	10.82	3.69	5	19	21
10	11.10	12.91	3.75	5	19	21
12	13.20	15.05	3.75	5	19	21
14	15.30	17.67	5.00	5	19	21
16	17.40	19.79	5.00	5	19	21
18	19.50	21.91	5.00	5	19	21
20	21.60	24.03	5.50	5	19	21
24	25.80	28.21	5.95	5	19	21
30	32.00	34.95	6.50	5	na	21
36	38.30	41.37	6.50	4	na	17
42	44.50	48.25	7.50	3	na	12
48	50.80	54.73	8.00	3	na	12

Standard Dimensions and Weights



Size	Pipe Barrel				TYTON JOINT® Pipe			Laying Length			
	Press. Class psi.	Thick. Class	Thick.* in.	O.D.* in.	A Bell O.D. in.	B Bell Depth in.	X Defl. Angle deg.	18ft. Wt. Per Lgth.† lb.	Y Max. Defl. in.	20ft. 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	350		0.25	3.96	5.48	3.00	5	168	19		
		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		
6		56	0.41	4.80	6.52	3.15	5	321	19		
	350		0.25	4.80	6.52	3.15	5	207	19		
		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
8		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
		56	0.43	6.90	8.66	3.38	5	497	19	551	21
	350		0.25	6.90	8.66	3.38	5	304	19	336	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
10		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
		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
	350		0.25	9.05	10.82	3.69	5	402	19	444	21
12		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
14		56	0.47	11.10	12.91	3.75	5	892	19	988	21
	350		0.26	11.10	12.91	3.75	5	515	19	569	21
		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
16		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
	350		0.28	13.20	15.05	3.75	5	659	19	729	21
		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
18		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	0.49	15.30	17.62	5.00	5	1,285	19	1,422	21
		56	0.52	15.30	17.62	5.00	5	1,359	19	1,504	21
	250		0.28	15.30	17.62	5.00	5	782	19	863	21
20	300		0.30	15.30	17.62	5.00	5	833	19	919	21
	350		0.31	15.30	17.62	5.00	5	858	19	947	21
		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
22		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
	250		0.30	17.40	19.74	5.00	5	950	19	1,048	21
	300		0.32	17.40	19.74	5.00	5	1,008	19	1,113	21
	350		0.34	17.40	19.74	5.00	5	1,066	19	1,177	21
24		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
26		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
		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
28		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
30	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
		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
32		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
34	350		0.43	25.80	28.16	5.95	5			2,193	21

*Thickness and O.D. tolerances shall be in accordance with ANSI/AWWA C151/A21.51 and C111/A21.11 respectively

† including bell

Cement- Mortar lining in accordance with ANSI/AWWA C104/A21.4

Pipe is normally manufactured with a cement mortar lining.

Above weights do not include lining. Standard lining thickness for 3"-12" diameter pipe is 1/16" minimum; for 14"-24" diameter pipe is 3/32" minimum. 30" - 48" 1/8" minimum.

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