

threaded metal/ rubber connectors

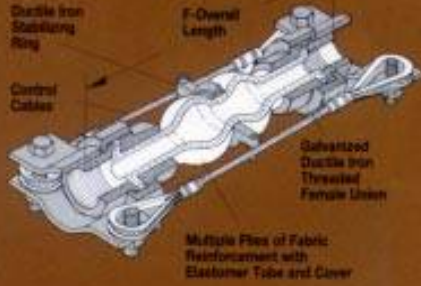


Figure 1: Style 315 With Threaded Female Unions

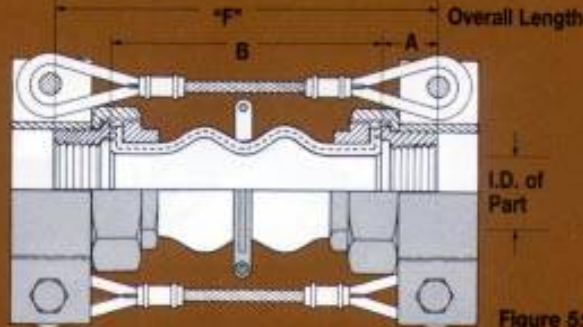


Figure 5: Product Detail

Table 2: Styles • Sizes • Movements • Dimensions • Weights

Nominal Pipe Size/ Connector I.D.	Style Number	"F" Installed Length				Total Travel		Allowable Movement From Neutral			Dimensions		Weights/Lbs.		
		"F" Overall Neutral Length	Minimum Installed	Maximum Installed	Recommended Pipe Opening	Total Compressed	Total Extended	In. Of Axial Compression	In. Of Axial Extension	± In. Of Lateral Deflection	Angular Deflection 1	"A" - Length Of Fitting	"B" - Length Of Rubber	With Bolt On Threaded Flanges	With Screw On Unions
3/4	315	6.54	5.88	6.65	4.79	5.67	6.77	.87	.23	.87	32.2°	1.06	4.42	2.4	1.5
	315-A	8.00	7.34	8.11	6.25	7.13	8.23	.87	.23	.87	32.2°	1.06	5.88	2.6	1.6
	315-HP	7.00	6.44	7.11	5.25	6.25	7.23	.75	.23	.63	32.2°	1.06	4.88	2.7	1.7
1	315	6.77	6.11	6.88	5.02	5.90	7.00	.87	.23	.87	25.3°	1.14	4.49	3.2	2.4
	315-A	8.00	7.34	8.11	6.25	7.13	8.23	.87	.23	.87	25.3°	1.14	5.72	3.3	2.6
	315-HP	7.00	6.44	7.11	5.25	6.25	7.23	.75	.23	.63	25.3°	1.14	4.72	3.4	2.7
1 1/4	315	6.93	6.27	7.04	5.18	6.06	7.16	.87	.23	.87	20.7°	1.26	4.41	4.0	3.1
	315-A	8.00	7.34	8.11	6.25	7.13	8.23	.87	.23	.87	20.7°	1.26	5.48	4.2	3.3
	315-HP	7.00	6.44	7.11	5.25	6.25	7.23	.75	.23	.63	20.7°	1.26	4.48	4.3	3.4
1 1/2	315	7.17	6.51	7.28	5.42	6.30	7.40	.87	.23	.87	17.5°	1.30	5.57	5.1	3.9
	315-A	8.00	7.34	8.11	6.25	7.13	8.23	.87	.23	.87	17.5°	1.30	5.40	5.2	4.0
	315-HP	7.00	6.44	7.11	5.25	6.25	7.23	.75	.23	.63	17.5°	1.30	4.40	5.3	4.1
2	315	8.35	7.69	8.46	6.60	7.48	8.58	.87	.23	.87	13.3°	1.42	5.51	7.4	5.5
	315-A	8.00	7.34	8.11	6.25	7.13	8.23	.87	.23	.87	13.3°	1.42	5.16	7.4	5.5
	315-HP	7.00	6.44	7.11	5.25	6.25	7.23	.75	.23	.63	13.3°	1.42	4.16	7.5	5.6
2 1/2	315	8.82	8.16	8.93	7.07	7.95	9.05	.87	.23	.87	10.7°	1.69	5.44	11.6	9.6
	315-A	8.00	7.34	8.11	6.25	7.13	8.23	.87	.23	.87	10.7°	1.69	4.62	11.5	9.5
	315-HP	7.00	6.44	7.11	5.25	6.25	7.23	.75	.23	.63	10.7°	1.69	4.62	13.3	10.6
3	315	8.90	8.24	9.01	7.15	8.03	9.13	.87	.23	.87	8.9°	1.69	5.52	13.4	10.7
	315-A	8.00	7.34	8.11	6.25	7.13	8.23	.87	.23	.87	8.9°	1.69	4.62	13.3	10.6
	315-HP	7.00	6.44	7.11	5.25	6.25	7.23	.75	.23	.63	8.9°	1.69	4.62	13.3	10.6

NOTES: 1. The amount of Angular Movement is based on the maximum allowable Extension Movement from neutral. Angular Movement can be increased if it is in conjunction with Compression.

Table 3: Temperature/Pressure Relationship

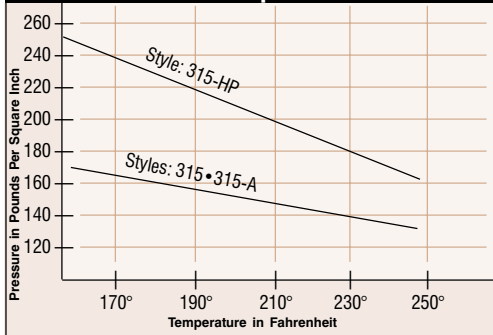


Table 4: Pressures

Style	Maximum Operating		Minimum	
	Positive PSIG	Negative In. of Hg.	Test PSIG	Burst PSIG
315	150	26"	225	600
315-A	150	26"	225	600
315-HP	250	26"	375	1000

NOTE: See Table 4 for Temperature/Pressure Relationship

Table 5: Available Metal Materials

Order Codes Prefix to Style Number		Materials Selections Unions • Flanges
Screw On Female Unions	Bolt-On Floating Flanges ²	
1 304 316 B	F F-304 F-316 F-B	Ductile Iron, Galvanized 304 Stainless Steel 316 Stainless Steel Bronze

NOTES: 1. All Standard styles furnished complete with galvanized ductile iron female unions, with ends threaded NPT (IPT) to ANSI B-2.1. For other materials, see above table. Other threading, including: BS, DIN, JIS, etc. are available on special order.

2. This floating flange design can be furnished with end piece adaptors to connect to: copper tubing, threaded brass or PVC and cementable PVC piping.