



Effective Area for Garlock Expansion Joints

ID	404 Abrupt Arch		406 EZ-FLO Arch	
	Arch Ht.	Effective Area	Arch Ht.	Effective Area
in.	in.	in. ²	in.	in. ²
2	1.25	15.90	0.63	8.30
2.5	1.25	19.63	0.63	11.04
3	1.25	23.76	0.63	14.19
4	1.25	33.18	0.63	21.65
5	1.25	44.18	0.63	30.68
6	1.25	56.75	0.63	41.28
8	1.5	95.03	0.63	67.20
10	1.5	132.73	0.75	103.87
12	1.5	176.71	0.75	143.14
14	2	254.47	0.75	188.69
16	2	314.16	0.75	240.53
18	2	380.13	0.75	298.65
20	2	452.39	0.75	363.05
22	2	530.93	1	452.39
24	2	615.75	1	530.93
26	2.25	730.62	1	615.75
28	2.25	829.58	1	706.86
30	2.25	934.82	1	804.25
34	2.25	1164.16	1	1017.88
36	2.25	1288.25	1	1134.11
40	2.25	1555.28	1	1385.44
42	2.5	1734.94	1	1520.53
48	2.5	2206.18	1	1963.50
50	2.5	2375.83	1	2123.72
54	2.5	2733.97	1	2463.01
60	2.5	3318.31	1	3019.07
66	2.5	3959.19	1	3631.68
72	2.5	4656.63	1	4300.84
84	2.5	6221.14	1	5808.80
96	2.5	8011.85	1	7542.96
108	2.5	10028.75	1	9503.32
120	2.5	12271.85	1	11689.87

DN	404 Abrupt Arch		306 EZ-FLO Arch	
	Arch Ht.	Effective Area	Arch Ht.	Effective Area
mm	mm	mm ²	mm	mm ²
50	31.75	10117.70	15.88	5248.87
65	31.75	12968.69	15.88	7351.77
80	31.75	16173.12	15.88	9808.10
100	31.75	20995.46	15.88	13632.99
125	31.75	27906.96	15.88	19297.67
150	31.75	35800.22	15.88	25944.11
200	38.1	59915.23	15.88	42182.21
250	38.1	83571.42	19.05	65189.31
300	38.1	111154.61	19.05	89780.13
350	50.8	160176.11	19.05	118297.94
400	50.8	197608.19	19.05	150742.73
450	50.8	238967.26	19.05	187114.52
500	50.8	284253.31	19.05	227413.30
550	50.8	333466.36	25.4	283497.82
600	50.8	386606.40	25.4	332648.04
650	57.15	458793.86	25.4	385725.25
700	57.15	520785.34	25.4	442729.45
750	57.15	586703.81	25.4	503660.64
850	57.15	730321.72	25.4	637303.99
900	57.15	808021.16	25.4	710016.15
1000	57.15	975201.01	25.4	867221.45
1050	63.5	1088034.85	25.4	951714.58
1200	63.5	1383030.40	25.4	1228755.93
1250	63.5	1489216.23	25.4	1328957.03
1350	63.5	1713368.87	25.4	1541140.19
1500	63.5	2079050.25	25.4	1888867.38
1650	63.5	2480074.56	25.4	2271937.48
1800	63.5	2916441.78	25.4	2690350.50
2100	63.5	3895204.97	25.4	3633205.28
2400	63.5	5015339.83	25.4	4717431.74
2700	63.5	6276846.36	25.4	5943029.87
3000	63.5	7679724.56	25.4	7309999.66