

SUPER-FLEX STYLE 1000 AND 1100 EXPANSION JOINTS

Dimensions for Wide Arch

We do not use marginal constructions which reduce safety factors and cause pressure reductions with slight operating pressure increases. All Super-Flex Expansion Joints have a minimum 3 to 1 safety factor at rated operating temperatures and pressures. Note: Maximum diameter for Style 1100 is 36"

A-Flange Thickness
B-Body Thickness
C-Internal Arch Height

D-Arch Width
E-Arch Thickness

Measurement In (in.)			Bolt Holes			Maxi. PSI		Movements-Inches			Joint Weight	Joint Size	Effective Area In. Sq	Expansion Joint Measurements					Weights	
Joint Size N.D.	Face-to-Face	Flange O.D.	Bolt Cir. Dia.	No. of Bolts	Bolt Hole Dia.	Style 1000	Style 1100	Axial Comp.	Axial Ext.	Trav. Defl.	Lbs.	N.D.	Styles 1000 & 1100	A	B	C	D	E	Ret. Rings Lbs.	Control Units Lbs.
½	6	3 ½	2 ¾	4	¼	225	225	1 ¾	¾	¾	1	½	4.91	½	¾	1	1 ¾	¾	1.5	6
¾	6	3 ¾	2 ¾	4	¼	225	225	1 ¾	¾	¾	1.5	¾	5.94	½	¾	1	1 ¾	¾	2	6
1	6	4 ¼	3 ⅝	4	⅝	225	225	1 ¾	¾	¾	2	1	7.07	⅜	¾	1	1 ¾	¾	2.25	6
1 ¼	6	4 ⅝	3 ½	4	¾	225	225	1 ¾	¾	¾	2.5	1 ¼	9.62	⅜	¾	1 ⅝	1 ¾	7/16	2.5	6
1 ½	6	5	3 ¾	4	¾	225	225	1 ¾	¾	¾	3	1 ½	11.05	⅜	¾	1 ⅝	1 ¾	7/16	3	6
2	6	6	4 ¾	4	¾	225	225	1 ¾	¾	¾	4	2	15.90	⅜	29/32	1 ¼	1 ¾	½	4	7
2 ½	6	7	5 ½	4	¾	225	225	1 ¾	¾	¾	4.5	2 ½	19.63	⅜	29/32	1 ¼	1 ¾	½	5.5	7
3	6	7 ½	6	4	¾	225	225	1 ¾	¾	¾	5.5	3	23.76	⅜	29/32	1 ¼	1 ¾	½	6	7
4	6	9	7 ½	8	¾	225	225	1 ¾	¾	¾	8	4	33.18	⅜	¾	1 ¼	1 ¾	½	7.5	8
5	6	10	8 ½	8	¾	225	225	1 ¾	¾	¾	9	5	44.18	⅜	¾	1 ¼	1 ¾	½	8	8
6	6	11	9 ½	8	¾	225	225	1 ¾	¾	1	11	6	56.75	⅜	1	1 ¼	1 ¾	½	9	9
8	6	13 ½	11 ¾	8	¾	225	225	1 ¾	¾	1	15	8	95.03	¾	1	1 ½	1 ¾	⅝	12	12
10	8	16	14 ¼	12	1	225	225	1 ¾	¾	1	23	10	132.73	¾	1 5/32	1 ½	1 ¾	11/16	16	16
12	8	19	17	12	1	225	225	1 ¾	¾	1	34	12	176.72	¾	1 5/32	1 ½	1 ¾	11/16	22	16
14	8	21	18 ¾	12	1 ⅝	225	225	1 ¾	¾	1	40	14	254.47	¾	1 5/32	2	1 ¾	¾	25	20
16	8	23 ½	21 ¼	16	1 ⅝	160	160	1 ¾	¾	1	47	16	314.16	¾	1 5/32	2	1 ¾	¾	27	20
18	8	25	22 ¾	16	1 ¼	160	160	1 ¾	¾	1	56	18	380.13	¾	1 5/32	2	1 ¾	¾	29	21
20	8	27 ½	25	20	1 ¼	130	130	1 ¾	¾	1	67	20	452.39	1	1 5/32	2	1 ¾	25/32	35	21
22*	10	29 ½	27 ¼	20	1 ⅝	130	-	1 ¾	¾	1	70	22*	530.93	1	1 5/32	2	1 ¾	25/32	44	32
24	10	32	29 ½	20	1 ⅝	130	130	1 ¾	1	1	79	24	615.75	1	1 5/32	2 ¼	1 ¾	25/32	46	32
26*	10	34 ¼	31 ¾	24	1 ⅝	110	-	1 ¾	1	1	100	26*	730.62	1	1 3/16	2 ¼	1 ¾	13/16	50	32
28*	10	36 ½	34	28	1 ⅝	110	-	1 ¾	1	1	102	28*	829.58	1	1 3/16	2 ¼	1 ¾	13/16	55	32
30	10	38 ¾	36	28	1 ⅝	95	100	1 ¾	1	1	117	30	934.82	1	1 3/16	2 ¼	1 ¾	13/16	58	32
34*	10	43 ¾	40 ½	32	1 ⅝	95	-	1 ¾	1	1	122	34*	1164.16	1	1 3/16	2 ¼	1 ¾	13/16	91	43
36	10	46	42 ¾	32	1 ⅝	90	100	2 ¼	1	1	143	36	1288.25	1	1 3/16	2 ¼	2 ¼	13/16	99	43
40	10	50 ¾	47 ¼	36	1 ⅝	90	-	2 ¼	1	1	173	40	1555.28	1	1 3/16	2 ½	2 ¼	13/16	108	43
42	12	53	49 ½	36	1 ⅝	90	-	2 ¼	1	1	193	42	1734.95	1 3/16	1 ¼	2 ½	2 ¼	29/32	110	44
44*	12	55 ¼	51 ¾	40	1 ⅝	90	-	2 ¼	1	1	198	44*	1885.74	1 3/16	1 ¼	2 ½	2 ¼	29/32	136	44
48	12	59 ½	56	44	1 ⅝	90	-	2 ¼	1	1	211	48	2206.18	1 3/16	1 ¼	2 ½	2 ¼	29/32	154	87
50*	12	61 ¾	58 ¼	44	1 ⅝	85	-	2 ¼	1	1	240	50*	2375.83	1 3/16	1 ⅝	2 ½	2 ¼	29/32	163	87
54	12	66 ¼	62 ¾	44	1 ⅝	85	-	2 ¼	1 ¼	1	265	54	2733.97	1 3/16	1 ⅝	2 ½	2 ¼	29/32	185	87
56*	12	68 ¾	65	48	1 ⅝	85	-	2 ¼	1 ¼	1	288	56*	2922.46	1 3/16	1 ⅝	2 ½	2 ¼	29/32	203	87
60	12	73	69 ¼	52	1 ⅝	85	-	2 ¼	1 ¼	1	309	60	3318.31	1 3/16	1 ⅝	2 ½	2 ¼	29/32	215	87
62*	12	75 ¾	71 ¾	52	2	85	-	2 ¼	1 ¼	1	325	62*	3525.65	1 3/16	1 ⅝	2 ½	2 ¼	29/32	230	87
66*	12	80	76	52	1 ⅝	85	-	2 ¼	1 ¼	1	350	66*	3959.19	1 3/16	1 ⅝	2 ½	2 ¼	29/32	255	87
72	12	86 ½	82 ½	60	1 ⅝	85	-	2 ¼	1 ¼	1	385	72	4656.63	1 3/16	1 ⅝	2 ½	2 ¼	29/32	300	87
78	12	93	89	64	2 ⅝	85	-	2 ¼	1 ¼	1	410	78	5410.61	1 3/16	1 ⅝	2 ½	2 ¼	29/32	325	103
84	12	99 ¾	95 ½	64	2 ⅝	85	-	2 ¼	1 ¼	1	435	84	6221.14	1 3/16	1 ⅝	2 ½	2 ¼	29/32	350	113
96	12	113 ¼	108 ½	68	2 ⅝	85	-	2 ¼	1 ¼	1	460	96	8011.85	1 3/16	1 ⅝	2 ½	2 ¼	29/32	375	125
102	12	120	114 ½	72	2 ⅝	85	-	2 ¼	1 ¼	1	485	102	8992.02	1 3/16	1 ⅝	2 ½	2 ¼	29/32	400	137
108	12	126 ¾	120 ¾	72	2 ⅝	85	-	2 ¼	1 ¼	1	510	108	10028.75	1 3/16	1 ⅝	2 ½	2 ¼	29/32	425	139
120	12	140 ¼	132 ¾	76	2 ⅝	85	-	2 ¼	1 ¼	1	535	120	12271.85	1 3/16	1 ⅝	2 ½	2 ¼	29/32	560	151
132	12	153 ¾	145 ¾	80	3 ⅝	85	-	2 ¼	1 ¼	1	560	132	13684.78	1 3/16	1 ⅝	2 ½	2 ¼	29/32	585	163
144	12	167 ¼	158 ¼	84	3 ⅝	85	-	2 ¼	1 ¼	1	585	144	16286.02	1 3/16	1 ⅝	2 ½	2 ¼	29/32	610	176