

# 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 Supreme Expansion Joints have a minimum 4 to 1 safety factor at rated operating temperatures and pressures. Note: Maximum diameter for Style 1100 is 36"

Joint Size N.D.	Face-to-Face	Flange O.D.	Bolt Circle Dia.	No. of Bolts	Bolt Hole Dia.	Ring I.D.	Movements					Weights							
							A	B	C	D	E	Style 1000 Max. P.S.I.	Style 1100 Max. P.S.I.	Axial Compression	Axial Extension	Trav. Deflection	Joint Weight/Lbs.	Retaining Rings/Lbs.	Control Units Lbs.
1/2	6	3-1/2	2-3/8	4	9/16	1-1/4	1/2	7/8	1	1-3/4	3/8	225	225	1-3/4	3/4	3/4	1	1.5	6
3/4	6	3-7/8	2-3/4	4	9/16	1-5/8	1/2	7/8	1	1-3/4	3/8	225	225	1-3/4	3/4	3/4	1.5	2	6
1	6	4-1/4	3-1/8	4	5/8	1-7/8	9/16	7/8	1	1-3/4	3/8	225	225	1-3/4	3/4	3/4	2	2.25	6
1-1/4	6	4-5/8	3-1/2	4	5/8	2-1/8	9/16	7/8	1-1/8	1-3/4	7/16	225	225	1-3/4	3/4	3/4	2.5	2.5	6
1-1/2	6	5	3-7/8	4	5/8	2-3/8	9/16	7/8	1-1/8	1-3/4	7/16	225	225	1-3/4	3/4	3/4	3	3	6
2	6	6	4-3/4	4	3/4	3-1/8	9/16	29/32	1-1/4	1-3/4	1/2	225	225	1-3/4	3/4	3/4	4	4	7
2-1/2	6	7	5-1/2	4	3/4	4-1/8	9/16	29/32	1-1/4	1-3/4	1/2	225	225	1-3/4	3/4	3/4	4.5	5.5	7
3	6	7-1/2	6	4	3/4	4-5/8	9/16	29/32	1-1/4	1-3/4	1/2	225	225	1-3/4	3/4	3/4	5.5	6	7
4	6	9	7-1/2	8	3/4	5-7/8	9/16	7/8	1-1/4	1-3/4	1/2	225	225	1-3/4	3/4	3/4	8	7.5	8
5	6	10	8-1/2	8	7/8	6-7/8	9/16	7/8	1-1/4	1-3/4	1/2	225	225	1-3/4	3/4	3/4	9	8	8
6	6	11	9-1/2	8	7/8	7-7/8	5/8	1	1-1/4	1-3/4	1/2	225	225	1-3/4	3/4	1	11	9	9
8	6	13-1/2	11-3/4	8	7/8	9-7/8	3/4	1	1-1/2	1-3/4	5/8	225	225	1-3/4	3/4	1	15	12	12
10	8	16	14-1/4	12	1	12-1/8	3/4	1-5/32	1-1/2	1-3/4	11/16	225	225	1-3/4	3/4	1	23	16	16
12	8	19	17	12	1	14-1/2	3/4	1-5/32	1-1/2	1-3/4	11/16	225	225	1-3/4	3/4	1	34	22	16
14	8	21	18-3/4	12	1-1/8	16-1/2	7/8	1-5/32	2	1-3/4	3/4	225	225	1-3/4	3/4	1	40	25	20
16	8	23-1/2	21-1/4	16	1-1/8	18-1/2	7/8	1-5/32	2	1-3/4	3/4	160	160	1-3/4	3/4	1	47	27	20
18	8	25	22-3/4	16	1-1/4	20-1/2	7/8	1-5/32	2	1-3/4	3/4	160	160	1-3/4	3/4	1	56	29	21
20	8	27-1/2	25	20	1-1/4	22-5/8	1	1-5/32	2	1-3/4	25/32	130	130	1-3/4	3/4	1	67	35	21
22*	10	29-1/2	27-1/4	20	1-3/8	24-5/8	1	1-5/32	2	1-3/4	25/32	130	-	1-3/4	3/4	1	70	44	32
24	10	32	29-1/2	20	1-3/8	26-5/8	1	1-5/32	2	1-3/4	25/32	130	130	1-3/4	1	1	79	46	32
26*	10	34-1/4	31-3/4	24	1-3/8	28-7/8	1	1-3/16	2-1/4	1-3/4	13/16	110	-	1-3/4	1	1	100	50	32
28*	10	36-1/2	34	28	1-3/8	30-7/8	1	1-3/16	2-1/4	1-3/4	13/16	110	-	1-3/4	1	1	102	55	32
30	10	38-3/4	36	28	1-3/8	32-7/8	1	1-3/16	2-1/4	1-3/4	13/16	95	100	1-3/4	1	1	117	58	32
34*	10	43-3/4	40-1/2	32	1-5/8	37	1	1-3/16	2-1/4	1-3/4	13/16	95	-	1-3/4	1	1	122	91	43
36	10	46	42-3/4	32	1-5/8	39	1	1-3/16	2-1/4	2-1/4	13/16	90	100	2-1/4	1	1	143	99	43
40*	10	50-3/4	47-1/4	36	1-5/8	43	1	1-3/16	2-1/4	2-1/4	13/16	90	-	2-1/4	1	1	173	108	43
42	12	53	49-1/2	36	1-5/8	45-1/4	1-3/16	1-1/4	2-1/2	2-1/4	29/32	90	-	2-1/4	1	1	193	110	44
44*	12	55-1/4	51-3/4	40	1-3/4	47-1/4	1-3/16	1-1/4	2-1/2	2-1/4	29/32	90	-	2-1/4	1	1	198	136	44
48	12	59-1/2	56	44	1-5/8	51-1/4	1-3/16	1-1/4	2-1/2	2-1/4	29/32	90	-	2-1/4	1	1	211	154	87
50*	12	61-3/4	58-1/4	44	1-7/8	53-1/4	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1	1	240	163	87
54	12	66-1/4	62-3/4	44	2	57-1/4	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1-1/4	1	265	185	87
56*	12	68-3/4	65	48	2	59-1/4	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1/4	1	288	203	87
60	12	73	69-1/4	52	2	63-1/4	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1-1/4	1	309	215	87
62*	12	75-3/4	71-3/4	52	2	65-1/4	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1-1/4	1	325	230	87
66*	12	80	76	52	2	69-1/4	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1/4	1	350	255	87
72	12	86-1/2	82-1/2	60	2	75-1/4	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1-1/4	1	385	300	87
78	12	93	89	64	2-1/8	81-1/4	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1-1/4	1	410	325	103
84	12	99-3/4	95-1/2	64	2-1/4	87-1/2	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1/4	1	435	350	113
96	12	113-3/4	108-1/2	68	2-1/2	99-3/8	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1-1/4	1	460	375	125
102	12	120	114-1/2	72	2-5/8	105-1/2	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1-1/4	1	485	400	137
108	12	126-3/4	120-3/4	72	2-5/8	111-1/2	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1-1/4	1	510	425	139
120	12	140-1/4	132-3/4	76	2-7/8	123-1/2	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1/4	1	535	560	151
132	12	153-3/4	145-3/4	80	3-1/8	135-1/2	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1-1/4	1	560	585	163
144	12	167-1/4	158-1/4	84	3-3/8	147-1/2	1-3/16	1-3/8	2-1/2	2-1/4	29/32	85	-	2-1/4	1-1/4	1	585	610	176

Call the Engineering Department for complete data and specifications 1(800) 327-1286