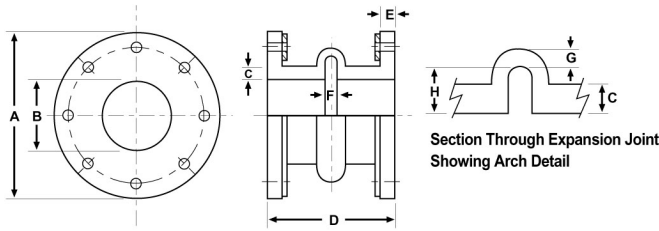


J-1 Dimensions



Dimensions Single and Multiple Arch Expansion Joints

Size	A	B	C	E	F	G	H	Bolt Circle Dia.	Number of Bolts	Bolt Dia.	Drilled Hole	Approximate Weight		
												Exp. Joint	Ret. Rings	Set of Rods
*1"	4-1/4"	1"	5/8"	9/16"	1/2"	7/16"	1-1/8"	3-1/8"	4	1/2"	5/8"	2	2	13
*1-1/4"	4-5/8"	1-1/4"	5/8"	9/16"	1/2"	7/16"	1-1/8"	3-1/2"	4	1/2"	5/8"	2-1/2	3	13
*1-1/2"	5"	1-1/2"	5/8"	9/16"	1/2"	7/16"	1-1/8"	3-7/8"	4	1/2"	5/8"	3	3	13
2"	6"	2"	3/4"	9/16"	1/2"	1/2"	1-1/4"	4-3/4"	4	5/8"	3/4"	4	3	13
2-1/2"	7"	2-1/2"	3/4"	9/16"	1/2"	1/2"	1-1/4"	5-1/2"	4	5/8"	3/4"	4-1/2	5	13
3"	7-1/2"	3"	3/4"	9/16"	1/2"	1/2"	1-1/4"	6"	4	5/8"	3/4"	5-1/4	5	13
4"	9"	4"	7/8"	9/16"	1/2"	1/2"	1-1/4"	7-1/2"	8	5/8"	3/4"	7	7	16
5"	10"	5"	7/8"	9/16"	1/2"	1/2"	1-1/4"	8-1/2"	8	3/4"	7/8"	8-1/4	8	16
6"	11"	6"	7/8"	5/8"	1/2"	1/2"	1-1/4"	9-1/2"	8	3/4"	7/8"	9-3/4	9	16
8"	13-1/2"	8"	7/8"	3/4"	3/4"	5/8"	1-1/2"	11-3/4"	8	3/4"	7/8"	15	13	20
10"	16"	10"	1"	3/4"	3/4"	11/16"	1-1/2"	14-1/4"	12	7/8"	1"	21	17	32
12"	19"	12"	1-3/16"	3/4"	3/4"	11/16"	1-1/2"	17"	12	7/8"	1"	28	24	32
14"	21"	14"	1-3/16"	7/8"	3/4"	3/4"	2"	18-3/4"	12	1"	1-1/8"	39	27	40
16"	23-1/2"	16"	1-3/16"	7/8"	3/4"	3/4"	2"	21-1/4"	16	1"	1-1/8"	45-1/2	33	40
18"	25"	18"	1-3/16"	7/8"	3/4"	3/4"	2"	22-3/4"	16	1-1/8"	1-1/4"	50-1/2	32	42
20"	27-1/2"	20"	1-1/4"	1"	7/8"	3/4"	2"	25"	20	1-1/8"	1-1/4"	61	38	42
24"	32"	24"	1-1/4"	1"	7/8"	3/4"	2"	29-1/2"	20	1-1/4"	1-3/8"	75	50	64
26"	34-1/4"	26"	1-3/8"	1"	1"	3/4"	2-1/4"	31-3/4"	24	1-1/4"	1-3/8"	85-1/2	56	64
28"	36-1/2"	28"	1-3/8"	1"	1"	3/4"	2-1/4"	34"	28	1-1/4"	1-3/8"	93	60	64
30"	38-3/4"	30"	1-3/8"	1"	1"	3/4"	2-1/4"	36"	28	1-1/4"	1-3/8"	101-1/2	65	64
36"	46"	36"	1-3/8"	1"	1"	3/4"	2-1/4"	42-3/4"	32	1-1/2"	1-5/8"	137-1/2	94	86
42"	53"	42"	1-1/2"	1-3/16"	1-1/8"	7/8"	2-1/2"	49-1/2"	36	1-1/2"	1-5/8"	182-1/2	119	88
48"	59-1/2"	48"	1-1/2"	1-3/16"	1-1/8"	7/8"	2-1/2"	56"	44	1-1/2"	1-5/8"	211	143	88
54"	66-1/4"	54"	1-1/2"	1-3/16"	1-1/8"	7/8"	2-1/2"	62-3/4"	44	1-3/4"	2"	265-1/2	171	174
60"	73"	60"	1-1/2"	1-3/16"	1-1/8"	7/8"	2-1/2"	69-1/4"	52	1-3/4"	2"	309	205	174
72"	86-1/2"	72"	1-1/2"	1-3/16"	1-1/8"	7/8"	2-1/2"	82-1/2"	60	1-3/4"	2"	385	284	174
78"	93"	78"	1-1/2"	1-3/16"	1-1/8"	7/8"	2-1/2"	88-3/4"	60	2"	2-1/4"	410	314	206
84"	99-3/4"	84"	1-1/2"	1-3/16"	1-1/8"	7/8"	2-1/2"	95-1/2"	64	2"	2-1/4"	480	343	226
90"	106-1/2"	90"	1-1/2"	1-3/16"	1-1/8"	7/8"	2-1/2"	102"	68	2-1/8"	2-3/8"	600	360	281
96"	113-1/4"	96"	1-1/2"	1-3/16"	1-1/8"	7/8"	2-1/2"	108-1/2"	68	2-1/4"	2-1/2"	650	435	366
108"	126-3/4"	108"	1-1/2"	1-3/16"	1-1/8"	7/8"	2-1/2"	120-3/4"	72	2-1/4"	2-1/2"	700	510	375

*Filled Arch Only — Other sizes available with filled arches, but allowable movement is reduced by half.

Pressure Ratings

Joint Size	Standard Pressure psi	Standard Vacuum in./Hg	High Pressure psi
1" - 4"	165	30"	200
5" - 6"	140	30"	190
8" - 12"	140	30"	190
14"	85	15"	130
16" - 20"	65	15"	110
22" - 24"	65	15"	100
26" - 40"	55	15"	90
42" - 66"	55	15"	80
72" - up	45	15"	70

All J-1 Expansion Joints can be manufactured for 30" Hg vacuum service.