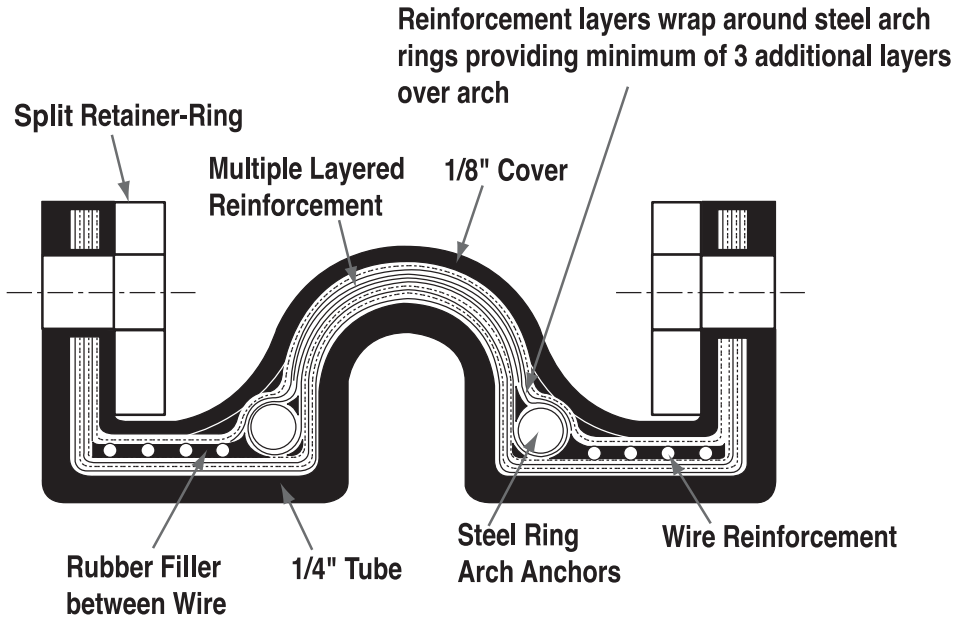


CONSTRUCTION



*OPTIONAL / FILLED ARCH AVAILABLE

OPERATING TEMPERATURES

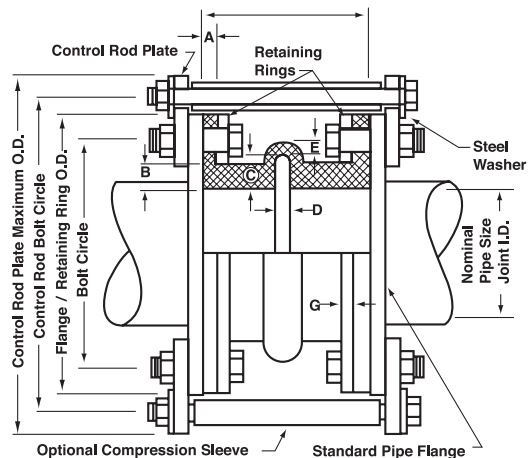
STANDARD MATERIALS (RUBBER)		OPERATING TEMPERATURES (MAX)	
INTERNAL TUBE	EXTERNAL COVER		
Butyl	Butyl	B	250° F
EPDM	EPDM	E	350° F
Hypalon	Hypalon	H	225° F
Hypalon	Neoprene	HN	225° F
Nitrile	Neoprene	NiN	210° F
Neoprene	Natural	NR	180° F
Viton	Viton	VV	400° F

INSTALLATION INSTRUCTIONS OF CONTROL UNIT COMPONENTS

Control units may be required to limit both extension and compression movements.

Extension. Control units must be used when it is not feasible in a given structure to provide adequate anchors in the proper location. In such cases, the static pressure thrust of the system will cause the expansion joint to extend to the limit set by the control rods which will then preclude the possibility of further motion that would over-elongate the joint. Despite the limiting action that control rods have on the joint, they must be used when proper anchoring cannot be provided. It cannot be emphasized too strongly that rubber expansion joints, by virtue of their function, are not designed to take end thrusts and, in all cases where such are likely to occur, proper anchoring is essential. If this fact is ignored, premature failure of the expansion joint is a foregone conclusion.

Compression. Pipe sleeves can be installed over the control rods. The purpose of the sleeve is to prevent excessive compression in the expansion joint. The length of this pipe sleeve should be such that the expansion joint cannot be compressed beyond the maximum allowable compression figure stated by the manufacturer.

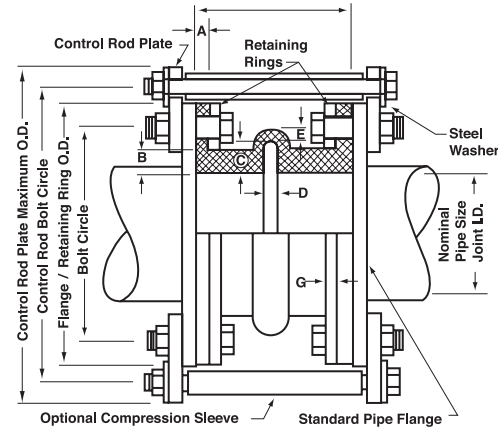


Expansion Joint

SSE SERIES

SPOOL TYPE

SINGLE OPEN ARCH EXPANSION JOINTS



Pipe Size (in)	Flange OD (in)	Face to Face (in)	Overall Flange Thickness (in)		Dia Bolt Circle (in)	No. of Bolts	Dia of Bolts (in)	Axial Compression (in)	Axial Extension (in)	Lateral Deflection (in)	Angular (degrees)	Torsional (degrees)	Rated Working Pressure (psi)	Minimum Burst Pressure (psi)	Vacuum (inHg)
			Steel	Ductile											
2	6	6	7/8	1	4 3/4	4	5/8	3/4	1/2	1/2	14.5	3	165	660	30
2 1/2	7	6	7/8	1	5 1/2	4	5/8	3/4	1/2	1/2	11.5	3	165	660	30
3	7 1/2	6	7/8	1	6	4	5/8	3/4	1/2	1/2	10.0	3	165	660	30
4	9	6	7/8	1	7 1/2	8	5/8	3/4	1/2	1/2	7.5	3	165	660	30
5	10	6	7/8	1	8 1/2	8	3/4	3/4	1/2	1/2	6.0	3	140	560	30
6	11	6	7/8	1	9 1/2	8	3/4	3/4	1/2	1/2	5.5	3	140	560	30
8	13 1/2	6	7/8	1	11 3/4	8	3/4	3/4	1/2	1/2	5.0	3	140	560	30
10	16	8	7/8	1	14 1/4	12	7/8	1	5/8	5/8	4.5	3	140	560	30
12	19	8	7/8	1	17	12	7/8	1	5/8	5/8	3.8	3	140	560	30
14	21	8	1	1 1/8	18 3/4	12	1	1	5/8	5/8	3.3	2	90	360	30
16	23 1/2	8	1	1 1/8	21 1/4	16	1	1	5/8	5/8	2.8	2	70	280	30
18	25	8	1	1 1/8	22 3/4	16	1 1/8	1	5/8	5/8	2.5	1	70	280	30
20	27 1/2	8	1	1 1/8	25	20	1 1/8	1	5/8	5/8	2.5	1	70	280	30
22	29 1/2	10	1	1 1/8	27 1/4	20	1 1/4	1 1/4	3/4	5/8	2.3	1	70	280	30
24	32	10	1	1 1/8	29 1/2	20	1 1/4	1 1/4	3/4	5/8	2.0	1	70	280	30
26	34 1/4	10	1	1 1/8	31 3/4	24	1 1/4	1 1/4	3/4	5/8	2.0	1	70	280	30
28	36 1/2	10	1	1 1/8	34	28	1 1/4	1 1/4	3/4	5/8	2.0	1	60	240	30
30	38 3/4	10	1	1 1/8	36	28	1 1/4	1 1/4	3/4	5/8	2.0	1	60	240	30
34	43 3/4	10	1	1 1/8	40 1/2	32	1 1/2	1 1/4	3/4	5/8	1.8	1	60	240	30
36	46	10	1/8	1 1/4	42 3/4	32	1 1/2	1 1/4	3/4	5/8	1.5	1	60	240	30
40	50 3/4	10	1 1/8	1 1/4	47 1/4	36	1 1/2	1 1/2	3/4	5/8	1.5	1	60	240	30
42	53	12	1 1/8	1 1/4	49 1/2	36	1 1/2	1 1/2	7/8	3/4	1.5	1	60	240	30
44	55 1/4	12	1 1/8	1 1/4	51 3/4	40	1 1/2	1 1/2	7/8	3/4	1.5	1	60	240	30
48	59 1/2	12	1 1/8	1 1/4	56	44	1 1/2	1 1/2	7/8	3/4	1.5	1	60	240	30
50	61 3/4	12	1 1/8	1 1/4	58 1/4	44	1 3/4	1 1/2	7/8	3/4	1.3	1	60	240	30
54	66 1/4	12	1 1/8	1 1/4	62 3/4	44	1 3/4	1 1/2	7/8	3/4	1.3	1	60	240	30
56	68 3/4	12	1 1/8	1 1/4	65	48	1 3/4	1 1/2	7/8	3/4	1.3	1	60	240	30
60	73	12	1 1/8	1 1/4	69 1/4	52	1 3/4	1 1/2	7/8	3/4	1.0	1	60	240	30
62	75 3/4	12	1 1/8	1 1/4	71 3/4	52	1 3/4	1 1/2	7/8	3/4	1.0	1	50	200	30
66	80	12	1 1/8	1 1/4	76	52	1 3/4	1 1/2	7/8	3/4	1.0	1	50	200	30
72	86 1/2	12	1 1/8	1 1/4	82 1/2	60	1 3/4	1 1/2	7/8	3/4	0.9	1	50	200	30
78	93	12	1 1/8	1 1/4	89 3/4	64	2	1 1/2	7/8	3/4	0.9	1	50	200	30
84	99 3/4	12	1 1/8	1 1/4	95 1/2	64	2	1 1/2	7/8	3/4	0.8	1	50	200	30
90	106 1/2	12	1 1/8	1 1/4	102 1/4	68	2	1 1/2	7/8	3/4	0.8	1	50	200	30
96	113 1/4	12	1 1/8	1 1/4	108 1/2	68	2 1/4	1 1/2	7/8	3/4	0.4	1	50	200	30
98	115 1/2	12	1 1/4	1 3/8	110 3/4	68	2 1/4	2 1/4	1	1 1/8	0.6	1	30	120	30
100	117 3/4	12	1 1/4	1 3/8	113	68	2 1/4	2 1/4	1	1 1/8	0.6	1	30	120	30
102	120	12	1 1/4	1 3/8	114 1/2	72	2 1/4	2 1/4	1	1 1/8	0.6	1	30	120	30
108	126 3/4	12	1 1/4	1 3/8	120 3/4	72	2 1/4	2 1/4	1	1 1/8	0.4	1	25	100	30
120	140 1/4	12	1 1/4	1 3/8	132 3/4	76	2 1/4	2 1/4	1	1 1/8	0.4	1	25	100	30
132	153 3/4	12	1 1/4	1 3/8	145 3/4	80	2 1/4	2 1/4	1	1 1/8	0.3	1	25	100	30
144	167 1/4	12	1 1/4	1 3/8	158 1/4	84	2 1/4	2 1/4	1	1 1/8	0.1	1	25	100	30