

MULTI-PLY EXPANSION JOINTS

Series 2 for Greater Movement

SERIES 2 - SHORT



- 1- MULTI-PLY T-321 S/S BELLOWS
- 2- 150# A-36 C/S PLATE FLANGES (FF)
- 3- T-304 S/S FLOW LINER (OPTIONAL)
- 4- DESIGN PER EJMA 10TH EDITION
- 5- WELDING PER ASME SECTION IX



- 1- MULTI-PLY T-321 S/S BELLOWS
- 2- 150# A-105 C/S FORGED FLANGES (RF)
- 3- T-304 S/S FLOW LINER (OPTIONAL)
- 4- DESIGN PER EJMA 10TH EDITION
- 5- WELDING PER ASME SECTION IX



- 1- MULTI-PLY T-321 S/S BELLOWS
- 2- STD. WALL A-53 C/S WELD ENDS
- 3- T-304 S/S FLOW LINER (OPTIONAL)
- 4- DESIGN PER EJMA 10TH EDITION
- 5- WELDING PER ASME SECTION IX

BELLOWS			PLATE FLANGES A-36 C/S							FORGED FLANGES A-105 STEEL							BEVELED WELD ENDS A-53 STD.						
SIZE	BELLOWS LIVE LENGTH (IN)	EFFECTIVE AREA (SQ-IN)	OVERALL LENGTH (IN)	WORKING PSIG @ 70°F	AXIAL COMPRESSION * (IN)	AXIAL SPRING RATE (LB/IN)	LATERAL OFFSET * (IN)	LATERAL SPRING RATE (LB/IN)	PART NUMBER	OVERALL LENGTH (IN)	WORKING PSIG @ 70°F	AXIAL COMPRESSION * (IN)	AXIAL SPRING RATE (LB/IN)	LATERAL OFFSET * (IN)	LATERAL SPRING RATE (LB/IN)	PART NUMBER	OVERALL LENGTH (IN)	WORKING PSIG @ 600°F	AXIAL COMPRESSION * (IN)	AXIAL SPRING RATE (LB/IN)	LATERAL OFFSET * (IN)	LATERAL SPRING RATE (LB/IN)	PART NUMBER
2"	3.00	5.78	4.75	175	0.63	568	0.19	689	50-20-S2S1	5.25	275	0.63	568	0.19	689	50-20-S2S2	11.00	275	0.63	568	0.19	689	50-20-S2S3
2-1/2"	3.00	9.51	4.75	175	1.00	271	0.25	541	50-25-S2S1	5.50	275	1.00	271	0.25	541	50-25-S2S2	11.00	275	1.00	271	0.25	541	50-25-S2S3
3"	3.00	12.47	4.75	175	0.75	718	0.19	1866	50-30-S2S1	5.63	275	0.75	718	0.19	1866	50-30-S2S2	11.00	275	0.75	718	0.19	1866	50-30-S2S3
3-1/2"	3.00	16.69	x	x	x	x	x	x	x	5.75	170	1.00	509	0.19	1794	50-35-S2S2	11.00	170	1.00	509	0.19	1794	50-35-S2S3
4"	4.50	20.51	6.25	175	1.00	755	0.38	1455	50-40-S2S1	7.38	150	1.00	755	0.38	1455	50-40-S2S2	12.50	150	1.00	755	0.38	1455	50-40-S2S3
5"	4.50	30.63	6.25	175	1.00	1417	0.25	4080	50-50-S2S1	7.63	200	1.00	1417	0.25	4080	50-50-S2S2	12.50	200	1.00	1417	0.25	4080	50-50-S2S3
6"	4.50	41.83	6.25	175	1.00	1684	0.19	6642	50-60-S2S1	7.88	200	1.00	1684	0.19	6642	50-60-S2S2	12.50	200	1.00	1684	0.19	6642	50-60-S2S3
8"	4.50	69.07	6.75	175	1.00	2342	0.13	15487	50-80-S2S1	8.25	200	1.00	2342	0.13	15487	50-80-S2S2	12.50	200	1.00	2342	0.13	15487	50-80-S2S3
10"	6.00	107.9	8.25	140	2.00	854	0.38	4897	50-100-S2S1	10.13	140	2.00	854	0.38	4897	50-100-S2S2	14.00	140	2.00	854	0.38	4897	50-100-S2S3
12"	6.00	148.6	8.25	140	2.00	1009	0.25	7921	50-120-S2S1	10.63	140	2.00	1009	0.25	7921	50-120-S2S2	14.00	140	2.00	1009	0.25	7921	50-120-S2S3
14"	6.00	181.1	8.13	155	2.00	1525	0.25	14649	50-140-S2S1	10.75	155	2.00	1525	0.25	14649	50-140-S2S2	14.00	155	2.00	1525	0.25	14649	50-140-S2S3
16"	6.00	231.7	8.25	165	2.00	1872	0.19	22953	50-160-S2S1	11.25	165	2.00	1872	0.19	22953	50-160-S2S2	14.00	165	2.00	1872	0.19	22953	50-160-S2S3
18"	6.00	289.4	8.38	160	2.00	1950	0.19	29908	50-180-S2S1	11.63	160	2.00	1950	0.19	29908	50-180-S2S2	14.00	160	2.00	1950	0.19	29908	50-180-S2S3
20"	6.00	352.8	8.50	155	2.00	2162	0.19	40430	50-200-S2S1	12.00	155	2.00	2162	0.19	40430	50-200-S2S2	14.00	155	2.00	2162	0.19	40430	50-200-S2S3
22"	6.00	422.6	8.63	155	2.00	2373	0.13	53,157	50-220-S2S1	x	x	x	x	x	x	x	14.00	155	2.00	2373	0.13	53,157	50-220-S2S3
24"	6.00	498.6	8.75	155	2.00	2584	0.13	68298	50-240-S2S1	13.00	155	2.00	2584	0.13	68,298	50-240-S2S2	14.00	155	2.00	2584	0.13	68,298	50-240-S2S3

- ** Movements are non-concurrent-minimum 3000 cycles
- Custom lengths and pressure available on request
 - Stainless flanges available on request
 - Tie rods available on request
 - Flow liners may be required. See EJMA 10 guidelines
 - T-316, T-304, C-276, Inconel 625 and other alloys available