

MULTI-PLY EXPANSION JOINTS

Series 2 for Greater Movement

SERIES 2 - LONG



- 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"	6.00	5.78	7.75	70	1.38	284	1.00	86	50-20-S2L1	8.25	70	1.38	284	1.00	86	50-20-S2L2	14.00	70	1.38	284	1.00	86	50-20-S2L3
2-1/2"	6.00	9.51	7.75	75	1.75	302	1.00	152	50-25-S2L1	8.50	75	1.75	302	1.00	152	50-25-S2L2	14.00	75	1.75	302	1.00	152	50-25-S2L3
3"	6.00	12.47	7.75	90	1.75	359	0.88	236	50-30-S2L1	8.63	90	1.75	359	0.88	236	50-30-S2L2	14.00	90	1.75	359	0.88	236	50-30-S2L3
3-1/2"	6.00	16.69	x	x	x	x	x	x	x	8.75	70	2.00	277	0.88	244	50-35-S2L2	14.00	70	2.00	277	0.88	244	50-35-S2L3
4"	9.00	20.51	10.75	60	2.00	378	1.50	182	50-40-S2L1	11.88	60	2.00	378	1.50	182	50-40-S2L2	17.00	60	2.00	378	1.50	182	50-40-S2L3
5"	9.00	30.63	10.75	120	2.25	709	1.00	510	50-50-S2L1	12.13	120	2.25	709	1.00	510	50-50-S2L2	17.00	120	2.25	709	1.00	510	50-50-S2L3
6"	9.00	41.83	10.75	145	2.13	842	0.88	830	50-60-S2L1	12.38	145	2.13	842	0.88	830	50-60-S2L2	17.00	145	2.13	842	0.88	830	50-60-S2L3
8"	9.00	69.07	11.25	175	2.00	1216	0.63	1936	50-80-S2L1	12.75	175	2.00	1216	0.63	1936	50-80-S2L2	17.00	175	2.00	1216	0.63	1936	50-80-S2L3
10"	12.00	107.9	14.25	50	4.50	408	1.50	586	50-100-S2L1	13.12	50	4.50	408	1.50	586	50-100-S2L2	20.00	50	4.50	408	1.50	586	50-100-S2L3
12"	12.00	148.6	14.25	60	4.50	482	1.38	948	50-120-S2L1	13.63	60	4.50	482	1.38	948	50-120-S2L2	20.00	60	4.50	482	1.38	948	50-120-S2L3
14"	12.00	181.1	14.12	95	4.25	762	1.13	1831	50-140-S2L1	13.75	95	4.25	762	1.13	1831	50-140-S2L2	20.00	95	4.25	762	1.13	1831	50-140-S2L3
16"	12.00	231.7	14.25	120	4.00	936	0.88	2869	50-160-S2L1	14.25	120	4.00	936	0.88	2869	50-160-S2L2	20.00	120	4.00	936	0.88	2869	50-160-S2L3
18"	12.00	289.4	14.38	125	4.00	975	0.88	3738	50-180-S2L1	14.63	125	4.00	975	0.88	3738	50-180-S2L2	20.00	125	4.00	975	0.88	3738	50-180-S2L3
20"	12.00	352.8	14.50	135	4.00	1081	0.75	5054	50-200-S2L1	15.00	135	4.00	1081	0.75	5054	50-200-S2L2	20.00	135	4.00	1081	0.75	5054	50-200-S2L3
22"	12.00	422.6	14.63	135	4.00	1187	0.63	6,645	50-220-S2L1	x	x	x	x	x	x	x	20.00	135	4.00	1187	0.63	6,645	50-220-S2L3
24"	12.00	498.6	14.75	135	4.00	1292	0.63	8537	50-240-S2L1	16.00	135	4.00	1292	0.63	8,537	50-240-S2L2	20.00	135	4.00	1292	0.63	8,537	50-240-S2L3

** 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