

MULTI-PLY EXPANSION JOINTS

Series 2 for Greater Movement

SERIES 2 - MEDIUM



- 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"	4.50	5.78	6.25	130	1.00	379	0.50	204	50-20-S2M1	6.75	130	1.00	379	0.50	204	50-20-S2M2	12.50	130	1.00	379	0.50	204	50-20-S2M3
2-1/2"	4.50	9.51	6.25	135	1.25	388	0.50	347	50-25-S2M1	7.00	135	1.25	388	0.50	347	50-25-S2M2	12.50	135	1.25	388	0.50	347	50-25-S2M3
3"	4.50	12.47	6.25	160	1.25	462	0.50	539	50-30-S2M1	7.13	160	1.25	462	0.50	539	50-30-S2M2	12.50	160	1.25	462	0.50	539	50-30-S2M3
3-1/2"	4.50	16.69	x	x	x	x	x	x	x	7.25	120	1.50	358	0.50	560	50-35-S2M2	12.50	120	1.50	358	0.50	560	50-35-S2M3
4"	6.00	20.51	7.75	150	1.50	581	0.63	632	50-40-S2M1	8.88	150	1.50	581	0.63	632	50-40-S2M2	14.00	150	1.50	581	0.63	632	50-40-S2M3
5"	6.00	30.63	7.75	175	1.50	1063	0.44	1721	50-50-S2M1	9.12	200	1.50	1063	0.44	1721	50-50-S2M2	14.00	200	1.50	1063	0.44	1721	50-50-S2M3
6"	6.00	41.83	7.75	175	1.38	1263	0.38	2802	50-60-S2M1	9.38	200	1.38	1263	0.38	2802	50-60-S2M2	14.00	200	1.38	1263	0.38	2802	50-60-S2M3
8"	6.00	69.07	8.25	175	1.25	1824	0.25	6533	50-80-S2M1	9.75	200	1.25	1824	0.25	6533	50-80-S2M2	14.00	200	1.25	1824	0.25	6533	50-80-S2M3
10"	9.00	107.9	8.25	95	3.25	552	0.88	1412	50-100-S2M1	10.13	95	3.25	552	0.88	1412	50-100-S2M2	14.00	95	3.25	552	0.88	1412	50-100-S2M3
12"	9.00	148.6	8.25	110	3.25	652	0.75	2285	50-120-S2M1	10.63	110	3.25	652	0.75	2285	50-120-S2M2	14.00	110	3.25	652	0.75	2285	50-120-S2M3
14"	9.00	181.1	8.12	150	3.00	1016	0.63	4340	50-140-S2M1	10.75	150	3.00	1016	0.63	4340	50-140-S2M2	14.00	150	3.00	1016	0.63	4340	50-140-S2M3
16"	9.00	231.7	8.25	150	3.00	1248	0.50	6801	50-160-S2M1	11.25	160	3.00	1248	0.50	6801	50-160-S2M2	14.00	160	3.00	1248	0.50	6801	50-160-S2M3
18"	9.00	289.4	8.38	150	3.00	1300	0.38	8862	50-180-S2M1	11.63	155	3.00	1300	0.38	8862	50-180-S2M2	14.00	155	3.00	1300	0.38	8862	50-180-S2M3
20"	9.00	352.8	8.50	150	3.00	1441	0.38	11979	50-200-S2M1	12.00	150	3.00	1441	0.38	11979	50-200-S2M2	14.00	150	3.00	1441	0.38	11979	50-200-S2M3
22"	9.00	422.6	8.63	150	3.00	1582	0.38	15,750	50-220-S2M1	x	x	x	x	x	x	x	14.00	150	3.00	1582	0.38	15,750	50-220-S2M3
24"	9.00	498.6	8.75	150	3.00	1723	0.25	20236	50-240-S2M1	13.00	150	3.00	1723	0.25	20,236	50-240-S2M2	14.00	150	3.00	1723	0.25	20,236	50-240-S2M3

** 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