

MULTI-PLY EXPANSION JOINTS

Series 2 for Greater Movement

SERIES 2 - XL



- 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"	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
2-1/2"	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
3"	9.00	12.47	10.75	40	2.00	239	1.75	70	50-30-S2XL1	11.63	40	2.00	239	1.75	70	50-30-S2XL2	17.00	40	2.00	239	1.75	70	50-30-S2XL3
3-1/2"	9.00	16.69	x	x	x	x	x	x	x	11.75	30	2.75	179	2.00	70	50-35-S2XL2	17.00	30	2.75	179	2.00	70	50-35-S2XL3
4"	12.00	20.51	13.75	35	2.50	291	2.00	79	50-40-S2XL1	14.88	35	2.50	291	2.00	79	50-40-S2XL2	20.00	35	2.50	291	2.00	79	50-40-S2XL3
5"	12.00	30.63	13.75	65	3.00	531	1.50	215	50-50-S2XL1	15.13	65	3.00	531	1.50	215	50-50-S2XL2	20.00	65	3.00	531	1.50	215	50-50-S2XL3
6"	12.00	41.83	13.75	80	3.00	631	1.50	350	50-60-S2XL1	15.38	80	3.00	631	1.50	350	50-60-S2XL2	20.00	80	3.00	631	1.50	350	50-60-S2XL3
8"	12.00	69.07	14.25	115	2.75	912	1.13	817	50-80-S2XL1	15.75	115	2.75	912	1.13	817	50-80-S2XL2	20.00	115	2.75	912	1.13	817	50-80-S2XL3
10"	15.00	107.9	17.25	30	6.00	336	2.00	308	50-100-S2XL1	19.13	30	6.00	336	2.00	308	50-100-S2XL2	23.00	30	6.00	336	2.00	308	50-100-S2XL3
12"	15.00	148.6	17.25	40	6.00	396	1.75	499	50-120-S2XL1	19.63	40	6.00	396	1.75	499	50-120-S2XL2	23.00	40	6.00	396	1.75	499	50-120-S2XL3
14"	15.00	181.1	17.12	60	5.50	610	1.75	938	50-140-S2XL1	19.75	60	5.50	610	1.75	938	50-140-S2XL2	23.00	60	5.50	610	1.75	938	50-140-S2XL3
16"	15.00	231.7	17.25	75	5.25	749	1.50	1469	50-160-S2XL1	20.25	75	5.25	749	1.50	1469	50-160-S2XL2	23.00	75	5.25	749	1.50	1469	50-160-S2XL3
18"	15.00	289.4	17.38	80	5.25	780	1.38	1914	50-180-S2XL1	20.63	80	5.25	780	1.38	1914	50-180-S2XL2	23.00	80	5.25	780	1.38	1914	50-180-S2XL3
20"	15.00	352.8	17.50	90	5.25	865	1.25	2587	50-200-S2XL1	21.00	90	5.25	865	1.25	2587	50-200-S2XL2	23.00	90	5.25	865	1.25	2587	50-200-S2XL3
22"	15.00	422.6	17.63	95	5.25	949	1.13	3,402	50-220-S2XL1	x	x	x	x	x	x	x	23.00	95	5.25	949	1.13	3,402	50-220-S2XL3
24"	15.00	498.6	17.75	100	5.25	1034	1.00	4371	50-240-S2XL1	22.00	100	5.25	1034	1.00	4,371	50-240-S2XL2	23.00	100	5.25	1034	1.00	4,371	50-240-S2XL3

- ** 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