

ANSI FIXED FLANGE UNIVERSAL EXPANSION JOINTS

RATED: 3 PSIG @ 1000°F

- 1- Multi-ply T-321 stainless exhaust bellows
- 2- Fixed 150# drilled ANSI inlet flange A-36 c/s
- 3- Fixed 150# drilled ANSI outlet flange A-36 c/s
- 4- Center spool T-304 stainless
- 5- T-304 / T-321 s/s flow liners (optional)
- * Design per EJMA 10th Edition
- * Welding per ASME Section IX



SIZE			24" F/F MULTI-PLY BELLOWS						48" F/F MULTI-PLY BELLOWS					
SIZE	INLET (ANSI)	OUTLET (ANSI)	OVERALL LENGTH	AXIAL COMPRESSION*	AXIAL SPRING RATE	LATERAL OFFSET*	LATERAL SPRING RATE	PART No.	OVERALL LENGTH	AXIAL COMPRESSION*	AXIAL SPRING RATE	LATERAL OFFSET*	LATERAL SPRING RATE	PART No.
3"	3"	3"	24"	1.00"	45	12.00"	2	51-3010-24	48"	1.00"	45	32.00"	1	51-3010-48
3-1/2"	3.5"	3.5"	24"	1.50"	35	12.00"	2	51-3510-24	48"	1.50"	35	32.00"	1	51-3510-48
4"	4"	4"	24"	1.75"	40	12.00"	2	51-4010-24	48"	1.75"	40	32.00"	1	51-4010-48
5"	5"	5"	24"	2.50"	38	12.00"	3	51-5010-24	48"	2.50"	38	32.00"	1	51-5010-48
6"	6"	6"	24"	3.50"	34	10.00"	4	51-6010-24	48"	3.50"	34	30.00"	1	51-6010-48
8"	8"	8"	24"	6.00"	45	8.00"	9	51-8010-24	48"	6.00"	45	25.00"	1	51-8010-48
10"	10"	10"	24"	8.50"	34	6.00"	11	51-10010-24	48"	8.50"	34	20.00"	2	51-10010-48
12"	12"	12"	24"	8.50"	45	5.25"	19	51-12010-24	48"	8.50"	45	17.25"	3	51-12010-48
14"	14"	14"	24"	8.50"	36	5.00"	18	51-14010-24	48"	8.50"	36	16.00"	3	51-14010-48
16"	16"	16"	24"	8.50"	40	4.25"	27	51-16010-24	48"	8.50"	40	14.50"	4	51-16010-48
18"	18"	18"	24"	8.50"	45	3.75"	37	51-18010-24	48"	8.50"	45	12.50"	6	51-18010-48
20"	20"	20"	24"	8.50"	49	3.50"	50	51-20010-24	48"	8.50"	49	11.25"	7	51-20010-48
22"	22"	22"	24"	8.50"	54	3.00"	66	51-22010-24	48"	8.50"	54	10.25"	10	51-22010-48
24"	24"	24"	24"	8.50"	59	2.75"	85	51-24010-24	48"	8.50"	59	9.50"	13	51-24010-48
26"	26"	26"	24"	8.00"	102	2.75"	174	51-26010-24	48"	8.00"	102	9.00"	26	51-26010-48
28"	28"	28"	24"	8.00"	109	2.50"	215	51-28010-24	48"	8.00"	109	8.50"	32	51-28010-48
30"	30"	30"	24"	8.00"	117	2.50"	262	51-30010-24	48"	8.00"	117	8.00"	39	51-30010-48
32"	32"	32"	24"	8.00"	124	2.25"	316	51-32010-24	48"	8.00"	124	7.50"	47	51-32010-48
34"	34"	34"	24"	8.00"	132	2.00"	377	51-34010-24	48"	8.00"	132	7.00"	56	51-34010-48
36"	36"	36"	24"	8.00"	139	2.00"	445	51-36010-24	48"	8.00"	139	6.75"	66	51-36010-48
38"	38"	38"	24"	8.00"	147	1.75"	521	51-38010-24	48"	8.00"	147	6.50"	77	51-38010-48
40"	40"	40"	24"	8.00"	154	1.75"	604	51-40010-24	48"	8.00"	154	6.00"	90	51-40010-48
42"	42"	42"	24"	8.00"	162	1.75"	697	51-42010-24	48"	8.00"	162	5.75"	104	51-42010-48
44"	44"	44"	24"	8.00"	169	1.50"	798	51-44010-24	48"	8.00"	169	5.50"	119	51-44010-48
46"	46"	46"	24"	8.00"	177	1.50"	908	51-46010-24	48"	8.00"	177	5.25"	135	51-46010-48
48"	48"	48"	24"	8.00"	184	1.50"	1028	51-48010-24	48"	8.00"	184	5.00"	153	51-48010-48

Custom lengths available

* Movements are non-concurrent

Stainless flanges available on request for 1200°F temperature rating

Flow liners may be required. See EJMA 10 guidelines

Hastelloy X and Inconel 625 available for temperatures to 1500°F

Contact Triad Bellows sales for single-ply expansion joints