

ANSI FIXED FLANGE EXHAUST EXPANSION JOINTS

RATED: 5 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- T-304 / T-321 s/s flow liner (optional)
- * Design per EJMA 10th Edition
- * Welding per ASME Section IX



SIZE			6" L/L MULTI-PLY BELLWS						9" L/L MULTI-PLY BELLWS						12" L/L MULTI-PLY BELLWS					
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.	OVERALL LENGTH	AXIAL COMPRESSION*	AXIAL SPRING RATE	LATERAL OFFSET*	LATERAL SPRING RATE	PART No.
3"	3"	3"	7"	1.50"	123	0.625	81	50-306010	10"	2.00"	83	1.0"	24	50-3010	13"	X	X	X	X	N/A
3-1/2"	3.5"	3.5"	7"	1.75"	107	0.625	94	50-356010	10"	2.75"	68	1.0"	27	50-3510	13"	X	X	X	X	N/A
4"	4"	4"	7"	2.00"	120	.625"	129	50-406010	10"	3.00"	46	1.00"	22	50-4010	13"	2.50"	55	1.50"	15	50-4012010
5"	5"	5"	7"	2.00"	105	.625"	170	50-506010	10"	3.00"	66	1.00"	47	50-5010	13"	4.00"	43	1.50"	18	50-5012010
6"	6"	6"	7"	2.00"	131	.625"	288	50-606010	10"	3.00"	82	1.00"	80	50-6010	13"	5.00"	49	1.50"	28	50-6012010
8"	8"	8"	7"	2.00"	165	.500"	591	50-806010	10"	3.00"	103	1.00"	165	50-8010	13"	5.50"	64	1.50"	58	50-8012010
10"	10"	10"	7"	2.00"	154	.430"	845	50-1006010	10"	3.00"	103	1.00"	248	50-10010	13"	5.50"	80	1.50"	110	50-10012010
12"	12"	12"	7"	2.00"	181	.375"	1368	50-1206010	10"	3.00"	121	.875"	405	50-12010	13"	5.50"	91	1.50"	171	50-12012010
14"	14"	14"	7"	2.00"	198	.375"	1788	50-1406010	10"	3.00"	132	.750"	530	50-14010	13"	5.50"	99	1.50"	223	50-14012010
16"	16"	16"	7"	2.00"	225	.250"	2623	50-1606010	10"	3.00"	150	.625"	777	50-16010	13"	5.50"	113	1.25"	328	50-16012010
18"	18"	18"	7"	2.00"	253	.250"	3684	50-1806010	10"	3.00"	168	.500"	1092	50-18010	13"	5.50"	126	1.13"	461	50-18012010
20"	20"	20"	7"	2.00"	280	.250"	4997	50-2006010	10"	3.00"	186	.500"	1480	50-20010	13"	5.25"	171	1.00"	783	50-20012010
22"	22"	22"	7"	2.00"	307	.188"	6587	50-2206010	10"	3.00"	204	.500"	1952	50-22010	13"	5.25"	187	.875"	1030	50-22012010
24"	24"	24"	7"	2.00"	333	.188"	8482	50-2406010	10"	3.00"	222	.500"	2513	50-24010	13"	5.25"	204	.750"	1324	50-24012010
26"	26"	26"	7"	2.00"	460	.188"	13907	50-2606010	10"	3.00"	298	.438"	4017	50-26010	13"	5.25"	220	.750"	1669	50-26012010
28"	28"	28"	7"	2.00"	494	.188"	17238	50-2806010	10"	3.00"	320	.375"	4980	50-28010	13"	5.25"	236	.750"	2070	50-28012010
30"	30"	30"	7"	2.00"	528	.125"	21059	50-3006010	10"	3.00"	342	.375"	6085	50-30010	13"	5.25"	253	.625"	2529	50-30012010
32"	32"	32"	7"	2.00"	562	.125"	25403	50-3206010	10"	3.00"	364	.313"	7342	50-32010	13"	5.25"	269	.625"	3051	50-32012010
34"	34"	34"	7"	2.00"	596	.063"	30304	50-3406010	10"	3.00"	386	.313"	8758	50-34010	13"	5.25"	285	.500"	3639	50-34012010
36"	36"	36"	7"	2.00"	433	.063"	24913	50-3606010	10"	3.00"	289	.250"	7382	50-36010	13"	5.25"	217	.500"	3114	50-36012010
38"	38"	38"	7"	2.00"	457	.063"	29152	50-3806010	10"	3.00"	304	.250"	8638	50-38010	13"	5.25"	228	.500"	3644	50-38012010
40"	40"	40"	7"	2.00"	480	.063"	33844	50-4006010	10"	3.00"	320	.250"	10028	50-40010	13"	5.25"	240	.500"	4231	50-40012010
42"	42"	42"	7"	2.00"	503	.063"	39013	50-4206010	10"	3.00"	335	.250"	11559	50-42010	13"	5.25"	252	.500"	4877	50-42012010
44"	44"	44"	7"	2.00"	526	.063"	44681	50-4406010	10"	3.00"	351	.250"	13239	50-44010	13"	5.25"	263	.500"	5585	50-44012010
46"	46"	46"	7"	2.00"	549	.063"	50863	50-4606010	10"	3.00"	366	.250"	15071	50-46010	13"	5.25"	275	.375"	6358	50-46012010
48"	48"	48"	7"	2.00"	572	.063"	57583	50-4806010	10"	3.00"	382	.250"	17062	50-48010	13"	5.25"	286	.375"	7198	50-48012010

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