

EXTREME MOVEMENT FIXED FLANGE EXPANSION JOINTS

T-321 S/S RATED: 5 PSIG @ 1000°F
INCONEL 625 RATED 5 PSIG @ 1300°F
ALLOY X RATED 5 PSIG @ 1500°F



- 1- Single-ply exhaust bellows
- 2- Fixed 150# drilled ANSI inlet flange
- 3- Fixed 150# drilled ANSI outlet flange
- 4- Flow liner (optional)
- * Design per EJMA 10th Edition
- * Welding per ASME Section IX

SIZE			T-321 STAINLESS BELLOWS						INCONEL 625 BELLOWS						ALLOY X 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.	OVERALL LENGTH	AXIAL COMPRESSION*	AXIAL SPRING RATE	LATERAL OFFSET*	LATERAL SPRING RATE	PART No.
6"	6"	6"	14.00"	4.25"	106	2.00"	51	50-60100	15.00"	4.25"	105	2.13"	43	50-60100-625	15.00"	4.50"	92	2.13"	38	50-60100-X
8"	8"	8"	14.50"	4.25"	129	1.88"	93	50-80100	16.00"	4.50"	116	2.25"	71	50-80100-625	16.00"	4.75"	111	2.25"	64	50-80100-X
10"	10"	10"	16.00"	5.50"	146	1.88"	133	50-100100	16.00"	5.50"	191	2.00"	175	50-100100-625	16.00"	5.50"	136	2.00"	125	50-100100-X
12"	12"	12"	16.00"	5.00"	172	1.75"	216	50-120100	16.00"	5.50"	181	1.88"	227	50-120100-625	16.00"	5.50"	161	1.88"	202	50-120100-X
14"	14"	14"	16.00"	6.00"	133	1.75"	204	50-140100	16.00"	6.00"	139	1.75"	213	50-140100-625	16.00"	6.00"	236	1.75"	362	50-140100-X
16"	16"	16"	16.00"	6.00"	152	1.63"	297	50-160100	16.00"	6.00"	156	1.75"	307	50-160100-625	16.00"	6.00"	266	1.75"	521	50-160100-X
18"	18"	18"	16.00"	6.00"	170	1.50"	416	50-180100	16.00"	6.00"	173	1.50"	424	50-180100-625	16.00"	6.00"	295	1.50"	729	50-180100-X
20"	20"	20"	16.00"	6.00"	189	1.38"	562	50-200100	16.00"	6.00"	190	1.50"	567	50-200100-625	16.00"	6.00"	323	1.38"	966	50-200100-X
22"	22"	22"	16.00"	6.00"	207	1.25"	739	50-220100	16.00"	6.00"	203	1.38"	728	50-220100-625	16.00"	6.00"	347	1.25"	1270	50-220100-X
24"	24"	24"	16.00"	6.75"	130	1.25"	564	50-240100	16.00"	7.25"	133	1.25"	578	50-240100-625	16.00"	6.88"	353	1.25"	1536	50-240100-X
26"	26"	26"	16.00"	6.75"	140	1.13"	708	50-260100	16.00"	7.25"	144	1.00"	727	50-260100-625	16.00"	6.75"	382	1.13"	1931	50-260100-X
28"	28"	28"	16.00"	6.75"	151	1.13"	876	50-280100	16.00"	7.25"	154	1.00"	898	50-280100-625	16.00"	6.75"	411	1.06"	2389	50-280100-X
30"	30"	30"	16.00"	6.75"	161	1.06"	1067	50-300100	16.00"	7.25"	165	1.00"	1095	50-300100-625	16.00"	6.75"	439	1.00"	2914	50-300100-X
32"	32"	32"	16.00"	6.75"	171	1.00"	1285	50-320100	16.00"	7.25"	176	.88"	1318	50-320100-625	16.00"	6.75"	468	.93"	3509	50-320100-X
34"	34"	34"	16.00"	6.75"	182	.88"	1530	50-340100	16.00"	7.25"	186	.75"	1569	50-340100-625	16.00"	6.75"	492	.88"	4181	50-340100-X
36"	36"	36"	16.00"	6.75"	192	.88"	1804	50-360100	16.00"	7.25"	193	.75"	1818	50-360100-625	16.00"	6.75"	516	.88"	4846	50-360100-X
38"	38"	38"	16.00"	6.75"	203	.75"	2109	50-380100	16.00"	7.25"	204	.75"	2126	50-380100-625	16.00"	6.75"	543	.75"	5667	50-380100-X
40"	40"	40"	16.00"	6.75"	216	.75"	2447	50-400100	16.00"	7.25"	214	.63"	2466	50-400100-625	16.00"	6.75"	571	.75"	6573	50-400100-X
42"	42"	42"	16.00"	6.75"	223	.75"	2818	50-420100	16.00"	7.25"	225	.63"	2840	50-420100-625	16.00"	6.75"	599	.75"	7572	50-420100-X
44"	44"	44"	16.00"	6.75"	233	.63"	3226	50-440100	16.00"	7.25"	233	.63"	3222	50-440100-625	16.00"	6.75"	621	.63"	8592	50-440100-X
46"	46"	46"	16.00"	6.75"	244	.63"	3670	50-460100	16.00"	7.25"	243	.63"	3667	50-460100-625	16.00"	6.75"	649	.63"	9776	50-460100-X
48"	48"	48"	16.00"	6.75"	254	.63"	4153	50-480100	16.00"	7.25"	253	.50"	4149	50-480100-625	16.00"	6.75"	676	.63"	11065	50-480100-X

Custom lengths available

* Movements are non-concurrent

Flow liners may be required. See EJMA 10 guidelines

Contact Triad Bellows sales for single-ply expansion joints