

EXTREME MOVEMENT FLOATING 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- Floating 150# drilled ANSI inlet flange
 - 3- Floating 150# drilled ANSI outlet flange
 - 4- Vanstone stub end
 - 5- 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"	16.00"	4.25"	106	2.00"	51	50-6090	17.00"	4.25"	105	2.13"	43	50-6090-625	17.00"	4.50"	92	2.13"	38	50-6090-X
8"	8"	8"	16.50"	4.25"	129	1.88"	93	50-8090	18.00"	4.50"	116	2.25"	71	50-8090-625	18.00"	4.75"	111	2.25"	64	50-8090-X
10"	10"	10"	18.00"	5.50"	146	1.88"	133	50-10090	18.00"	5.50"	191	2.00"	175	50-10090-625	18.00"	5.50"	136	2.00"	125	50-10090-X
12"	12"	12"	18.00"	5.00"	172	1.75"	216	50-12090	18.00"	5.50"	181	1.88"	227	50-12090-625	18.00"	5.50"	161	1.88"	202	50-12090-X
14"	14"	14"	18.00"	6.00"	133	1.75"	204	50-14090	18.00"	6.00"	139	1.75"	213	50-14090-625	18.00"	6.00"	236	1.75"	362	50-14090-X
16"	16"	16"	18.00"	6.00"	152	1.63"	297	50-160190	18.00"	6.00"	156	1.75"	307	50-160190-625	18.00"	6.00"	266	1.75"	521	50-160190-X
18"	18"	18"	18.00"	6.00"	170	1.50"	416	50-18090	18.00"	6.00"	173	1.50"	424	50-18090-625	18.00"	6.00"	295	1.50"	729	50-18090-X
20"	20"	20"	18.00"	6.00"	189	1.38"	562	50-20090	18.00"	6.00"	190	1.50"	567	50-20090-625	18.00"	6.00"	323	1.38"	966	50-20090-X
22"	22"	22"	18.00"	6.00"	207	1.25"	739	50-22090	18.00"	6.00"	203	1.38"	728	50-22090-625	18.00"	6.00"	347	1.25"	1270	50-22090-X
24"	24"	24"	18.00"	6.75"	130	1.25"	564	50-24090	18.00"	7.25"	133	1.25"	578	50-24090-625	18.00"	6.88"	353	1.25"	1536	50-24090-X
26"	26"	26"	18.00"	6.75"	140	1.13"	708	50-26090	18.00"	7.25"	144	1.00"	727	50-26090-625	18.00"	6.75"	382	1.13"	1931	50-26090-X
28"	28"	28"	18.00"	6.75"	151	1.13"	876	50-28090	18.00"	7.25"	154	1.00"	898	50-28090-625	18.00"	6.75"	411	1.06"	2389	50-28090-X
30"	30"	30"	18.00"	6.75"	161	1.06"	1067	50-30090	18.00"	7.25"	165	1.00"	1095	50-30090-625	18.00"	6.75"	439	1.00"	2914	50-30090-X
32"	32"	32"	18.00"	6.75"	171	1.00"	1285	50-32090	18.00"	7.25"	176	.88"	1318	50-32090-625	18.00"	6.75"	468	.93"	3509	50-32090-X
34"	34"	34"	18.00"	6.75"	182	.88"	1530	50-34090	18.00"	7.25"	186	.75"	1569	50-34090-625	18.00"	6.75"	492	.88"	4181	50-34090-X
36"	36"	36"	18.00"	6.75"	192	.88"	1804	50-36090	18.00"	7.25"	193	.75"	1818	50-36090-625	18.00"	6.75"	516	.88"	4846	50-36090-X
38"	38"	38"	18.00"	6.75"	203	.75"	2109	50-38090	18.00"	7.25"	204	.75"	2126	50-38090-625	18.00"	6.75"	543	.75"	5667	50-38090-X
40"	40"	40"	18.00"	6.75"	216	.75"	2447	50-40090	18.00"	7.25"	214	.63"	2466	50-40090-625	18.00"	6.75"	571	.75"	6573	50-40090-X
42"	42"	42"	18.00"	6.75"	223	.75"	2818	50-42090	18.00"	7.25"	225	.63"	2840	50-42090-625	18.00"	6.75"	599	.75"	7572	50-42090-X
44"	44"	44"	18.00"	6.75"	233	.63"	3226	50-44090	18.00"	7.25"	233	.63"	3222	50-44090-625	18.00"	6.75"	621	.63"	8592	50-44090-X
46"	46"	46"	18.00"	6.75"	244	.63"	3670	50-46090	18.00"	7.25"	243	.63"	3667	50-46090-625	18.00"	6.75"	649	.63"	9776	50-46090-X
48"	48"	48"	18.00"	6.75"	254	.63"	4153	50-48090	18.00"	7.25"	253	.50"	4149	50-48090-625	18.00"	6.75"	676	.63"	11065	50-48090-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