

SOCKET WELD EXHAUST EXPANSION JOINTS

RATED: 5 PSIG @ 1200°F

- 1- Multi-ply T-321 stainless exhaust bellows
- 2- 14 gauge T-321 s/s cuff to fit over pipe or tube
- 3- T-304 / T-321 s/s flow liner (optional)
- * Design per EJMA 10th Edition
- * Welding per ASME Section IX

Note: Metric sizes are available on request



SIZE			6" L/L MULTI-PLY BELLOWS						9" L/L MULTI-PLY BELLOWS						12" L/L MULTI-PLY BELLOWS					
SIZE	INLET INSIDE DIAMETER	OUTLET INSIDE DIAMETER	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.
3.00"	3.06"	3.06"	9"	1.25"	107	.625"	53	50-306230-321	12"	1.625"	72	1.00"	16	50-30230-321	15"	X	X	X	X	N/A
3.50"	3.56"	3.56"	9"	1.50"	123	.625"	81	50-356230-321	12"	2.00"	83	1.00"	24	50-35230-321	15"	X	X	X	X	N/A
4.00"	4.06"	4.06"	9"	1.75"	107	.625"	94	50-406230-321	12"	2.75"	68	1.00"	27	50-40230-321	15"	2.00"	50	1.5	11	50-4012230-321
4.50"	4.56"	4.56"	9"	2.00"	120	.625"	129	50-456230-321	12"	3.00"	46	1.00"	22	50-45230-321	15"	2.50"	55	1.50"	15	50-4512230-321
5.00"	5.06"	5.06"	9"	2.00"	104	.625"	138	50-506230-321	12"	3.00"	64	1.00"	39	50-50230-321	15"	3.25"	40	1.50"	13	50-5012230-321
5.56"	5.62"	5.62"	9"	2.00"	105	.625"	170	50-556230-321	12"	3.00"	66	1.00"	47	50-55230-321	15"	4.00"	43	1.50"	18	50-5512230-321
6.00"	6.06"	6.06"	9"	2.00"	119	.625"	220	50-606230-321	12"	3.00"	75	1.00"	62	50-60230-321	15"	4.50"	46	1.50"	21	50-6012230-321
6.63"	6.69"	6.69"	9"	2.00"	131	.625"	288	50-656230-321	12"	3.00"	82	1.00"	80	50-65230-321	15"	5.00"	49	1.50"	28	50-6512230-321
8.00"	8.06"	8.06"	9"	2.00"	153	.500"	476	50-806230-321	12"	3.00"	97	1.00"	136	50-80230-321	15"	5.50"	59	1.50"	46	50-8012230-321
8.63"	8.69"	8.69"	9"	2.00"	165	.500"	591	50-856230-321	12"	3.00"	103	1.00"	165	50-85230-321	15"	5.50"	64	1.50"	58	50-8512230-321
10.00"	10.06"	10.06"	9"	2.00"	145	.500"	691	50-1006230-321	12"	3.00"	96	1.00"	205	50-100230-321	15"	5.50"	72	1.50"	86	50-10012230-321
10.75"	10.81"	10.81"	9"	2.00"	154	.430"	845	50-1056230-321	12"	3.00"	103	1.00"	248	50-105230-321	15"	5.50"	80	1.50"	110	50-10512230-321
12.00"	12.06"	12.06"	9"	2.00"	171	.430"	1151	50-1206230-321	12"	3.00"	113	.875"	338	50-120230-321	15"	5.50"	85	1.50"	144	50-12012230-321
12.75"	12.81"	12.81"	9"	2.00"	181	.375"	1368	50-1256230-321	12"	3.00"	121	.875"	405	50-125230-321	15"	5.50"	91	1.50"	171	50-12512230-321
14.00"	14.06"	14.06"	9"	2.00"	198	.375"	1788	50-1406230-321	12"	3.00"	132	.750"	530	50-140230-321	15"	5.50"	99	1.50"	223	50-14012230-321
16.00"	16.06"	16.06"	9"	2.00"	225	.250"	2623	50-1606230-321	12"	3.00"	150	.625"	777	50-160230-321	15"	5.50"	113	1.25"	328	50-16012230-321
18.00"	18.06	18.06	9"	2.00"	253	.250"	3684	50-1806230-321	12"	3.00"	168	.500"	1092	50-180230-321	15"	5.50"	126	1.13"	461	50-18012230-321
20.00"	20.06	20.06	9"	2.00"	280	.250"	4997	50-2006230-321	12"	3.00"	186	.500"	1480	50-200230-321	15"	5.25"	171	1.00"	783	50-20012230-321
22.00"	22.06	22.06	9"	2.00"	307	.188"	6587	50-2206230-321	12"	3.00"	204	.500"	1952	50-220230-321	15"	5.25"	187	.875"	1030	50-22012230-321
24.00"	24.06	24.06	9"	2.00"	333	.188"	8482	50-2406230-321	12"	3.00"	222	.500"	2513	50-240230-321	15"	5.25"	204	.750"	1324	50-24012230-321
26.00"	26.06	26.06	9"	2.00"	460	.188"	13907	50-2606230-321	12"	3.00"	298	.438"	4017	50-260230-321	15"	5.25"	220	.750"	1669	50-26012230-321
28.00"	28.06	28.06	9"	2.00"	494	.188"	17238	50-2806230-321	12"	3.00"	320	.375"	4980	50-280230-321	15"	5.25"	236	.750"	2070	50-28012230-321
30.00"	30.06	30.06	9"	2.00"	528	.125"	21059	50-3006230-321	12"	3.00"	342	.375"	6085	50-300230-321	15"	5.25"	253	.625"	2529	50-30012230-321
32.00"	32.06	32.06	9"	2.00"	562	.125"	25403	50-3206230-321	12"	3.00"	364	.313"	7342	50-320230-321	15"	5.25"	269	.625"	3051	50-32012230-321
34.00"	34.06	34.06	9"	2.00"	596	.063"	30304	50-3406230-321	12"	3.00"	386	.313"	8758	50-340230-321	15"	5.25"	285	.500"	3639	50-34012230-321
36.00"	36.06	36.06	9"	2.00"	433	.063"	24913	50-3606230-321	12"	3.00"	289	.250"	7382	50-360230-321	15"	5.25"	217	.500"	3114	50-36012230-321

Custom lengths available
* Movements are non-concurrent
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