

CAT STYLE INLET FLANGE EXHAUST EXPANSION JOINTS

RATED: 5 PSIG @ 1000°F

- 1- Multi-ply T-321 stainless exhaust bellows
 - 2- Floating CAT style 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 BELLOWS						9" L/L MULTI-PLY BELLOWS						12" L/L MULTI-PLY BELLOWS					
BELLOWS SIZE	INLET (CAT)	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.
4"	4"	4"	9"	1.75"	107	.625"	94	50-4064170	12"	2.75"	68	1.00"	27	50-4094170	15"	2.00"	50	1.5	11	50-40124170
4"	4"	5"	9"	1.75"	107	.625"	94	50-4065170	12"	2.75"	68	1.00"	27	50-4095170	15"	2.00"	50	1.5	11	50-40125170
4"	4"	6"	9"	1.75"	107	.625"	94	50-4066170	12"	2.75"	68	1.00"	27	50-4096170	15"	2.00"	50	1.5	11	50-40126170
5"	5"	5"	9"	2.00"	104	.625"	138	50-5065170	12"	3.00"	64	1.00"	39	50-5095170	15"	3.25"	40	1.50"	13	50-50125170
5"	5"	6"	9"	2.00"	104	.625"	138	50-5066170	12"	3.00"	64	1.00"	39	50-5096170	15"	3.25"	40	1.50"	13	50-50126170
5"	5"	8"	9"	2.00"	104	.625"	138	50-5068170	12"	3.00"	64	1.00"	39	50-5098170	15"	3.25"	40	1.50"	13	50-50128170
6"	6"	6"	9"	2.00"	119	.625"	220	50-6066170	12"	3.00"	75	1.00"	62	50-6096170	15"	4.50"	46	1.50"	21	50-60126170
6"	6"	8"	9"	2.00"	119	.625"	220	50-6068170	12"	3.00"	75	1.00"	62	50-6098170	15"	4.50"	46	1.50"	21	50-60128170
6"	6"	10"	9"	2.00"	119	.625"	220	50-60610170	12"	3.00"	75	1.00"	62	50-60910170	15"	4.50"	46	1.50"	21	50-601210170
8"	8"	8"	9"	2.00"	153	.500"	476	50-8068170	12"	3.00"	97	1.00"	139	50-8098170	15"	5.50"	59	1.50"	46	50-80128170
8"	8"	10"	9"	2.00"	153	.500"	476	50-80610170	12"	3.00"	97	1.00"	136	50-80910170	15"	5.50"	59	1.50"	46	50-801210170
8"	8"	12"	9"	2.00"	153	.500"	476	50-80612170	12"	3.00"	97	1.00"	136	50-80912170	15"	5.50"	59	1.50"	46	50-801212170
8"	8"	14"	9"	2.00"	153	.500"	476	50-80614170	12"	3.00"	97	1.00"	136	50-80914170	15"	5.50"	59	1.50"	46	50-801214170
10"	10"	10"	9"	2.00"	145	.500"	691	80-100610170	12"	3.00"	96	1.00"	205	80-100910170	15"	5.50"	72	1.50"	86	80-1001210170
10"	10"	12"	9"	2.00"	145	.500"	691	50-100612170	12"	3.00"	96	1.00"	205	50-100912170	15"	5.50"	72	1.50"	86	50-1001212170
10"	10"	14"	9"	2.00"	145	.500"	691	50-100614170	12"	3.00"	96	1.00"	205	50-100914170	15"	5.50"	72	1.50"	86	50-1001214170
12"	12"	12"	9"	2.00"	171	.430"	1151	50-120612170	12"	3.00"	113	.875"	338	50-120912170	15"	5.50"	85	1.50"	144	50-1201212170
12"	12"	14"	9"	2.00"	171	.430"	1151	50-120614170	12"	3.00"	113	.875"	338	50-120914170	15"	5.50"	85	1.50"	144	50-1201214170
12"	12"	16"	9"	2.00"	171	.430"	1151	50-120616170	12"	3.00"	113	.875"	338	50-120916170	15"	5.50"	85	1.50"	144	50-1201216170
14"	14"	14"	9"	2.00"	198	.375"	1788	50-140614170	12"	3.00"	132	.750"	530	50-140914170	15"	5.50"	99	1.50"	223	50-1401214170
14"	14"	16"	9"	2.00"	198	.375"	1788	50-140616170	12"	3.00"	132	.750"	530	50-140916170	15"	5.50"	99	1.50"	223	50-1401216170
14"	14"	18"	9"	2.00"	198	.375"	1788	50-140618170	12"	3.00"	132	.750"	530	50-140918170	15"	5.50"	99	1.50"	223	50-1401218170
16"	16"	16"	9"	2.00"	225	.250"	2623	50-160616170	12"	3.00"	150	.625"	777	50-160916170	15"	5.50"	113	1.25"	328	50-1601216170
16"	16"	18"	9"	2.00"	225	.250"	2623	50-160618170	12"	3.00"	150	.625"	777	50-160918170	15"	5.50"	113	1.25"	328	50-1601218170
18"	18"	18"	9"	2.00"	253	.250"	3684	50-180618170	12"	3.00"	168	.500"	1092	50-180918170	15"	5.50"	126	1.13"	461	50-1801218170
18"	18"	20"	9"	2.00"	253	.250"	3684	50-180620170	12"	3.00"	168	.500"	1092	50-180920170	15"	5.50"	126	1.13"	461	50-1801220170
18"	18"	22"	9"	2.00"	253	.250"	3684	50-180622170	12"	3.00"	168	.500"	1092	50-180922170	15"	5.50"	126	1.13"	461	50-1801222170

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