

DIN JIS 5K METRIC EXPANSION JOINTS

RATED: 5 PSIG @ 1000°F

- 1- Multi-ply T-321 stainless exhaust bellows
- 2- Fixed JIS 5K inlet flange A-36
- 3- Fixed JIS 5K outlet flange A-36
- 4- T-304 / T-321 s/s flow liners (optional)
- * Design per EJMA 10th Edition
- * Welding per ASME Section IX



SIZE							9" L/L MULTI-PLY BELLOWS						12" L/L MULTI-PLY BELLOWS					
SIZE	INLET (JIS)	OUTLET (JIS)	FLANGE O.D. (MM)	BOLT CIRCLE (MM)	NUMBER BOLT HOLES	BOLT HOLE DIAMETER (MM)	OVERALL LENGTH (INCH)	AXIAL COMPRESSION*	AXIAL SPRING RATE (LBS/INCH)	LATERAL OFFSET*	LATERAL SPRING RATE (LBS/INCH)	PART No.	OVERALL LENGTH (INCH)	AXIAL COMPRESSION*	AXIAL SPRING RATE (LBS/INCH)	LATERAL OFFSET*	LATERAL SPRING RATE (LBS/INCH)	PART No.
3"	80mm	80mm	180	145	4	19	12.25"	2.00"	83	1.00"	24	50-3090-5K	15.25"	X	X	X	X	N/A
3-1/2"	90mm	90mm	190	155	4	19	12.25"	2.75"	68	1.0"	27	50-3590-5K	15.25"	X	X	X	X	N/A
4"	100mm	100mm	200	165	8	19	12.50"	3.00"	46	1.00"	22	50-4090-5K	15.50"	2.50"	55	1.50"	15	50-40120-5K
5"	125mm	125mm	235	200	8	19	12.50"	3.00"	66	1.00"	47	50-5090-5K	15.50"	4.00"	43	1.50"	18	50-50120-5K
6"	150mm	150mm	265	230	8	19	12.63"	3.00"	82	1.00"	80	50-6090-5K	15.63"	5.00"	49	1.50"	28	50-60120-5K
8"	200mm	200mm	320	280	8	23	12.88"	3.00"	103	1.00"	165	50-8090-5K	15.88"	5.50"	64	1.50"	58	50-80120-5K
10"	250mm	250mm	385	345	12	23	12.00"	3.00"	103	1.00"	248	50-10090-5K	15.00"	5.50"	80	1.50"	110	50-100120-5K
12"	300mm	300mm	430	390	12	23	12.00"	3.00"	121	.875"	405	50-12090-5K	15.00"	5.50"	91	1.50"	171	50-120120-5K
14"	350mm	350mm	480	435	12	25	12.00"	3.00"	132	.750"	530	50-14090-5K	15.00"	5.50"	99	1.50"	223	50-140120-5K
16"	400mm	400mm	540	495	16	25	12.00"	3.00"	150	.625"	777	50-16090-5K	15.00"	5.50"	113	1.25"	328	50-160120-5K
18"	450mm	450mm	605	555	16	25	12.00"	3.00"	168	.500"	1092	50-18090-5K	15.00"	5.50"	126	1.13"	461	50-180120-5K
20"	500mm	500mm	655	605	20	25	12.00"	3.00"	186	.500"	1480	50-20090-5K	15.00"	5.25"	171	1.00"	783	50-200120-5K
22"	550mm	550mm	720	665	20	27	12.25"	3.00"	204	.500"	1952	50-22090-5K	15.25"	5.25"	187	.875"	1030	50-220120-5K
24"	600mm	600mm	770	715	20	27	12.00"	3.00"	222	.500"	2513	50-24090-5K	15.00"	5.25"	204	.750"	1324	50-240120-5K
26"	650mm	650mm	825	770	24	27	12.00"	3.00"	298	.438"	4017	50-26090-5K	15.00"	5.25"	220	.750"	1669	50-260120-5K
28"	700mm	700mm	875	820	24	27	12.25"	3.00"	320	.375"	4980	50-28090-5K	15.25"	5.25"	236	.750"	2070	50-280120-5K
30"	750mm	750mm	945	880	24	33	12.38"	3.00"	342	.375"	6085	50-30090-5K	15.38"	5.25"	253	.625"	2529	50-300120-5K
32"	800mm	800mm	995	930	24	33	12.38"	3.00"	364	.313"	7342	50-32090-5K	15.38"	5.25"	269	.625"	3051	50-320120-5K
34"	850mm	850mm	1045	980	24	33	12.50"	3.00"	386	.313"	8758	50-34090-5K	15.50"	5.25"	285	.500"	3639	50-340120-5K
36"	900mm	900mm	1095	1030	24	33	12.50"	3.00"	289	.250"	7382	50-36090-5K	15.50"	5.25"	217	.500"	3114	50-360120-5K

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