

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						
SIZE	INLET (JIS)	OUTLET (JIS)	FLANGE O.D. (MM)	BOLT CIRCLE (MM)	NUMBER BOLT HOLES	BOLT HOLE DIAMETER (MM)
3"	80mm	80mm	180	145	4	19
3-1/2"	90mm	90mm	190	155	4	19
4"	100mm	100mm	200	165	8	19
5"	125mm	125mm	235	200	8	19
6"	150mm	150mm	265	230	8	19
8"	200mm	200mm	320	280	8	23
10"	250mm	250mm	385	345	12	23
12"	300mm	300mm	430	390	12	23
14"	350mm	350mm	480	435	12	25
16"	400mm	400mm	540	495	16	25
18"	450mm	450mm	605	555	16	25
20"	500mm	500mm	655	605	20	25
22"	550mm	550mm	720	665	20	27
24"	600mm	600mm	770	715	20	27
26"	650mm	650mm	825	770	24	27
28"	700mm	700mm	875	820	24	27
30"	750mm	750mm	945	880	24	33
32"	800mm	800mm	995	930	24	33
34"	850mm	850mm	1045	980	24	33
36"	900mm	900mm	1095	1030	24	33

9" L/L MULTI-PLY BELLOWS					
OVERALL LENGTH (INCH)	AXIAL COMPRESSION*	AXIAL SPRING RATE (LBS/INCH)	LATERAL OFFSET*	LATERAL SPRING RATE (LBS/INCH)	PART No.
12.25"	2.00"	83	1.00"	24	50-3090-5K
12.25"	2.75"	68	1.0"	27	50-3590-5K
12.50"	3.00"	46	1.00"	22	50-4090-5K
12.50"	3.00"	66	1.00"	47	50-5090-5K
12.63"	3.00"	82	1.00"	80	50-6090-5K
12.88"	3.00"	103	1.00"	165	50-8090-5K
12.00"	3.00"	103	1.00"	248	50-10090-5K
12.00"	3.00"	121	.875"	405	50-12090-5K
12.00"	3.00"	132	.750"	530	50-14090-5K
12.00"	3.00"	150	.625"	777	50-16090-5K
12.00"	3.00"	168	.500"	1092	50-18090-5K
12.00"	3.00"	186	.500"	1480	50-20090-5K
12.25"	3.00"	204	.500"	1952	50-22090-5K
12.00"	3.00"	222	.500"	2513	50-24090-5K
12.00"	3.00"	298	.438"	4017	50-26090-5K
12.25"	3.00"	320	.375"	4980	50-28090-5K
12.38"	3.00"	342	.375"	6085	50-30090-5K
12.38"	3.00"	364	.313"	7342	50-32090-5K
12.50"	3.00"	386	.313"	8758	50-34090-5K
12.50"	3.00"	289	.250"	7382	50-36090-5K

12" L/L MULTI-PLY BELLOWS					
OVERALL LENGTH (INCH)	AXIAL COMPRESSION*	AXIAL SPRING RATE (LBS/INCH)	LATERAL OFFSET*	LATERAL SPRING RATE (LBS/INCH)	PART No.
15.25"	X	X	X	X	N/A
15.25"	X	X	X	X	N/A
15.50"	2.50"	55	1.50"	15	50-40120-5K
15.50"	4.00"	43	1.50"	18	50-50120-5K
15.63"	5.00"	49	1.50"	28	50-60120-5K
15.88"	5.50"	64	1.50"	58	50-80120-5K
15.00"	5.50"	80	1.50"	110	50-100120-5K
15.00"	5.50"	91	1.50"	171	50-120120-5K
15.00"	5.50"	99	1.50"	223	50-140120-5K
15.00"	5.50"	113	1.25"	328	50-160120-5K
15.00"	5.50"	126	1.13"	461	50-180120-5K
15.00"	5.25"	171	1.00"	783	50-200120-5K
15.25"	5.25"	187	.875"	1030	50-220120-5K
15.00"	5.25"	204	.750"	1324	50-240120-5K
15.00"	5.25"	220	.750"	1669	50-260120-5K
15.25"	5.25"	236	.750"	2070	50-280120-5K
15.38"	5.25"	253	.625"	2529	50-300120-5K
15.38"	5.25"	269	.625"	3051	50-320120-5K
15.50"	5.25"	285	.500"	3639	50-340120-5K
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