

DIN PN-10 METRIC EXPANSION JOINTS

RATED: 5 PSIG @ 1000°F

- 1- Multi-ply T-321 stainless exhaust bellows
- 2- Fixed DIN PN-10 inlet flange A-36
- 3- Fixed DIN PN-10 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 (DIN)	OUTLET (DIN)	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	200	160	4	18	12.75"	2.00"	83	1.00"	24	50-3090-PN10	15.75"	X	X	X	X	N/A
4"	100mm	100mm	220	180	8	18	12.75"	3.00"	46	1.00"	22	50-4090-PN10	15.75"	2.50"	55	1.50"	15	50-40120-PN10
5"	125mm	125mm	250	210	8	18	13.00"	3.00"	66	1.00"	47	50-5090-PN10	16.00"	4.00"	43	1.50"	18	50-50120-PN10
6"	150mm	150mm	285	240	8	22	13.00"	3.00"	82	1.00"	80	50-6090-PN10	16.00"	5.00"	49	1.50"	28	50-60120-PN10
8"	200mm	200mm	340	295	8	22	13.00"	3.00"	103	1.00"	165	50-8090-PN10	16.00"	5.50"	64	1.50"	58	50-80120-PN10
10"	250mm	250mm	395	350	12	22	13.25"	3.00"	103	1.00"	248	50-10090-PN10	16.25"	5.50"	80	1.50"	110	50-100120-PN10
12"	300mm	300mm	445	400	12	22	13.25"	3.00"	121	.875"	405	50-12090-PN10	16.25"	5.50"	91	1.50"	171	50-120120-PN10
14"	350mm	350mm	505	460	16	22	13.50"	3.00"	132	.750"	530	50-14090-PN10	16.50"	5.50"	99	1.50"	223	50-140120-PN10
16"	400mm	400mm	565	515	16	26	13.50"	3.00"	150	.625"	777	50-16090-PN10	16.50"	5.50"	113	1.25"	328	50-160120-PN10
18"	450mm	450mm	615	565	20	26	14.25"	3.00"	168	.500"	1092	50-18090-PN10	17.25"	5.50"	126	1.13"	461	50-180120-PN10
20"	500mm	500mm	670	620	20	26	14.25"	3.00"	186	.500"	1480	50-20090-PN10	17.25"	5.25"	171	1.00"	783	50-200120-PN10
24"	600mm	600mm	780	725	20	30	14.25"	3.00"	222	.500"	2513	50-24090-PN10	17.25"	5.25"	204	.750"	1324	50-240120-PN10
28"	700mm	700mm	895	840	24	30	14.25"	3.00"	320	.375"	4980	50-28090-PN10	17.25"	5.25"	236	.750"	2070	50-280120-PN10
32"	800mm	800mm	1015	950	24	33	14.25"	3.00"	364	.313"	7342	50-32090-PN10	17.25"	5.25"	269	.625"	3051	50-320120-PN10
36"	900mm	900mm	1115	1050	28	33	14.25"	3.00"	289	.250"	7382	50-36090-PN10	17.25"	5.25"	217	.500"	3114	50-360120-PN10

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