

# WAUKESHA INLET FLANGE EXHAUST EXPANSION JOINTS

RATED: 5 PSIG @ 1000°F

- 1- Multi-ply T-321 stainless exhaust bellows
  - 2- Waukesha lip flange T-321 stainless
  - 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 BELLWS						9" L/L MULTI-PLY BELLWS						12" L/L MULTI-PLY BELLWS					
SIZE	INLET (WAUKESHA)	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.
5"	5"	5"	8"	2.00"	104	.625"	138	50-50-6550	11"	3.00"	64	1.00"	39	50-50-9550	14"	3.25"	40	1.50"	13	50-50-12550
5"	5"	6"	8"	2.00"	104	.625"	138	50-50-6650	11"	3.00"	64	1.00"	39	50-50-9650	14"	3.25"	40	1.50"	13	50-50-12650
5"	5"	8"	8"	2.00"	104	.625"	138	50-50-6850	11"	3.00"	64	1.00"	39	50-50-9850	14"	3.25"	40	1.50"	13	50-50-12850
6"	6"	6"	8"	2.00"	119	.625"	220	50-60-6650	11"	3.00"	75	1.00"	62	50-60-9650	14"	4.50"	46	1.50"	21	50-60-12650
6"	6"	8"	8"	2.00"	119	.625"	220	50-60-6850	11"	3.00"	75	1.00"	62	50-60-9850	14"	4.50"	46	1.50"	21	50-60-12850
6"	6"	10"	8"	2.00"	119	.625"	220	50-60-61050	11"	3.00"	75	1.00"	62	50-60-91050	14"	4.50"	46	1.50"	21	50-60-121050
8"	8"	8"	8"	2.00"	153	.500"	476	50-80-6850	11"	3.00"	97	1.00"	139	50-80-9850	14"	5.50"	59	1.50"	46	50-80-12850
8"	8"	10"	8"	2.00"	153	.500"	476	50-80-61050	11"	3.00"	97	1.00"	136	50-80-91050	14"	5.50"	59	1.50"	46	50-80-121050
8"	8"	12"	8"	2.00"	153	.500"	476	50-80-61250	11"	3.00"	97	1.00"	136	50-80-91250	14"	5.50"	59	1.50"	46	50-80-121250
8"	8"	14"	8"	2.00"	153	.500"	476	50-80-61450	11"	3.00"	97	1.00"	136	50-80-91450	14"	5.50"	59	1.50"	46	50-80-121450
10"	10"	10"	8"	2.00"	145	.500"	691	50-100-61050	11"	3.00"	96	1.00"	205	50-100-91050	14"	5.50"	72	1.50"	86	50-100-121050
10"	10"	12"	8"	2.00"	145	.500"	691	50-100-61250	11"	3.00"	96	1.00"	205	50-100-91250	14"	5.50"	72	1.50"	86	50-100-121250
10"	10"	14"	8"	2.00"	145	.500"	691	50-100-61450	11"	3.00"	96	1.00"	205	50-100-91450	14"	5.50"	72	1.50"	86	50-100-121450
12"	12"	12"	8"	2.00"	171	.430"	1151	50-120-61250	11"	3.00"	113	.875"	338	50-120-91250	14"	5.50"	85	1.50"	144	50-120-121250
12"	12"	14"	8"	2.00"	171	.430"	1151	50-120-61450	11"	3.00"	113	.875"	338	50-120-91450	14"	5.50"	85	1.50"	144	50-120-121450
12"	12"	16"	8"	2.00"	171	.430"	1151	50-120-61650	11"	3.00"	113	.875"	338	50-120-91650	14"	5.50"	85	1.50"	144	50-120-121650
14"	14"	14"	8"	2.00"	198	.375"	1788	50-140-61450	11"	3.00"	132	.750"	530	50-140-91450	14"	5.50"	99	1.50"	223	50-140-121450
14"	14"	16"	8"	2.00"	198	.375"	1788	50-140-61650	11"	3.00"	132	.750"	530	50-140-91650	14"	5.50"	99	1.50"	223	50-140-121650
14"	14"	18"	8"	2.00"	198	.375"	1788	50-140-61850	11"	3.00"	132	.750"	530	50-140-91850	14"	5.50"	99	1.50"	223	50-140-121850

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