9" L/L MULTI-PLY BELLOWS DATA

T-321 STAINLESS

NOMINAL SIZE	BELLOWS I.D.	LIVE LENGTH	AXIAL COMP.	AXIAL SPRING RATE (LBS/INCH)	CYCLES	LATERAL OFFSET	LATERAL SPRING RATE (LBS/INCH)	CYCLES	MAX PRESSURE	MAX TEMP	PART NUMBER
3" TUBE	3.00"	9.00"	1.63"	72	100,000	1.00"	16	100,000	5 PSIG	1200ºF	12-3090
3" PIPE	3.50"	9.00"	2.00"	83	70,776	1.00"	24	100,000	5 PSIG	1200ºF	12-3590
4" TUBE	4.00"	9.00"	2.75"	68	38,953	1.00"	27	100,000	5 PSIG	1200ºF	12-4090
4" PIPE	4.50"	9.00"	3.00"	46	60,266	1.00"	22	100,000	5 PSIG	1200ºF	12-4590
5" TUBE	5.00"	9.00"	3.00"	64	53,593	1.00"	39	100,000	5 PSIG	1200ºF	12-5090
5" PIPE	5.56"	9.00"	3.00"	66	67,843	1.00"	47	100,000	5 PSIG	1200ºF	12-5590
6" TUBE	6.00"	9.00"	3.00"	75	51,054	1.00"	62	100,000	5 PSIG	1200ºF	12-6090
6" PIPE	6.63"	9.00"	3.00"	82	47,316	1.00"	80	100,000	5 PSIG	1200ºF	12-6590
8" TUBE	8.00"	9.00"	3.00"	97	46,633	1.00"	136	38,994	5 PSIG	1200ºF	12-8090
8" PIPE	8.63"	9.00"	3.00"	103	37,378	1.00"	165	31,484	5 PSIG	1200ºF	12-8590
10" TUBE	10.00"	9.00"	3.00"	96	70,635	1.00"	205	26,704	5 PSIG	1200ºF	12-10090
10" PIPE	10.75"	9.00"	3.00"	103	66,559	1.00"	248	18,277	5 PSIG	1200ºF	12-10590
12" TUBE	12.00"	9.00"	3.00"	113	63,432	.875"	338	19,934	5 PSIG	1200ºF	12-12090
12" PIPE	12.75"	9.00"	3.00"	121	59,850	.875"	405	14,193	5 PSIG	1200ºF	12-12590
14"	14.00"	9.00"	3.00"	132	57,316	.750"	530	19,005	5 PSIG	1200ºF	12-14090
16"	16.00"	9.00"	3.00"	150	54,125	.625"	777	23,976	5 PSIG	1200ºF	12-16090
18"	18.00"	9.00"	3.00"	168	51,665	.500"	1,092	12,956	5 PSIG	1200ºF	12-18090
20"	20.00"	9.00"	3.00"	186	49,705	.500"	1,480	23,188	5 PSIG	1200ºF	12-20090
22"	22.00'	9.00"	3.00"	204	48,101	.500"	1,952	14,081	5 PSIG	1200ºF	12-22090
24"	24.00"	9.00"	3.00"	222	46,763	.500"	2,513	9,107	5 PSIG	1200ºF	12-24090
26"	26.00"	9.00"	3.00"	298	68,388	.438"	4,017	15,248	5 PSIG	1200ºF	12-26090
28"	28.00"	9.00"	3.00"	320	66,559	.375"	4,980	23,384	5 PSIG	1200ºF	12-28090
30"	30.00"	9.00"	3.00"	342	64,974	.375"	6,085	16,262	5 PSIG	1200ºF	12-30090
32"	32.00"	9.00"	3.00"	364	63,587	.313"	7,342	29,688	5 PSIG	1200ºF	12-32090
34"	34.00"	9.00"	3.00"	386	62,765	.313"	8,758	21,522	5 PSIG	1200ºF	12-34090
36"	36.00"	9.00"	3.00"	289	100,000	.250"	7,382	100,000	2 PSIG	1200ºF	12-36090
38"	38.00"	9.00"	3.00"	304	100,000	.250"	8,638	100,000	2 PSIG	1200ºF	12-38090
40"	40.00"	9.00"	3.00"	320	100,000	.250"	10,028	92,996	2 PSIG	1200ºF	12-40090
42"	42.00"	9.00"	3.00"	335	100,000	.250"	11,559	68,574	2 PSIG	1200ºF	12-42090
44"	44.00"	9.00"	3.00"	351	100,000	.250"	13,239	51,835	2 PSIG	1200ºF	12-44090
46"	46.00"	9.00"	3.00"	366	100,000	.250"	15,071	40,193	2 PSIG	1200ºF	12-46090
48"	48.00"	9.00"	3.00"	382	100,000	.250"	17,062	31,814	2 PSIG	1200ºF	12-48090

1. Movements listed are non-concurrent.

   Triad engineers will privide an EJMA 9th Edition data sheet with concurrent movements specific to your application

2. Cycle life data is theoretical based on EJMA 9th Edition formulas and is not guaranteed.

   The cycle life will increase as the required movement is decreased

3. Axial and lateral spring rates are based on the maximum allowable temperature shown.

   The pressure capability and spring rates increase as the temperature requirement is decreased.

TRIAD BELLOWS
DESIGN AND MANUFACTURING