

# 9" L/L SINGLE-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"	1.50"	86	54,090	1.25"	19	69,509	5 PSIG	1200°F	11-3090
3" PIPE	3.50"	9.00"	2.00"	97	11,471	1.25"	28	31,101	5 PSIG	1200°F	11-3590
4" TUBE	4.00"	9.00"	2.50"	76	14,524	1.25"	29	62,693	5 PSIG	1200°F	11-4090
4" PIPE	4.50"	9.00"	2.50"	84	12,970	1.25"	40	30,790	5 PSIG	1200°F	11-4590
5" TUBE	5.00"	9.00"	2.50"	131	9,259	1.25"	78	12,249	5 PSIG	1200°F	11-5090
5" PIPE	5.56"	9.00"	2.50"	154	7,029	1.00"	110	17,700	5 PSIG	1200°F	11-5590
6" TUBE	6.00"	9.00"	2.50"	134	12,364	1.00"	111	21,890	5 PSIG	1200°F	11-6090
6" PIPE	6.63"	9.00"	2.50"	144	12,205	1.00"	143	13,625	5 PSIG	1200°F	11-6590
8" TUBE	8.00"	9.00"	2.50"	173	11,071	.88"	243	9,989	5 PSIG	1200°F	11-8090
8" PIPE	8.63"	9.00"	2.50"	196	9,199	.75"	315	12,985	5 PSIG	1200°F	11-8590
10" TUBE	10.00"	9.00"	3.00"	214	9,174	.75"	477	14,156	5 PSIG	1200°F	11-10090
10" PIPE	10.75"	9.00"	3.00"	233	8,490	.75"	593	9,483	5 PSIG	1200°F	11-10590
12" TUBE	12.00"	9.00"	3.00"	260	8,041	.63"	815	13,102	5 PSIG	1200°F	11-12090
12" PIPE	12.75"	9.00"	3.00"	276	7,843	.63"	968	9,705	5 PSIG	1200°F	11-12590
14"	14.00"	9.00"	3.25"	206	15,430	.63"	877	17,877	5 PSIG	1200°F	11-14090
16"	16.00"	9.00"	3.25"	235	14,524	.63"	1,280	9,163	5 PSIG	1200°F	11-16090
18"	18.00"	9.00"	3.25"	264	13,829	.50"	1,790	15,129	5 PSIG	1200°F	11-18090
20"	20.00"	9.00"	3.25"	292	13,277	.50"	2,420	8,962	5 PSIG	1200°F	11-20090
22"	22.00"	9.00"	3.25"	321	12,827	.38"	2,182	23,042	5 PSIG	1200°F	11-22090
24"	24.00"	9.00"	3.25"	349	12,452	.38"	4,088	14,670	5 PSIG	1200°F	11-24090
26"	26.00"	9.00"	3.25"	377	12,135	.38"	5,151	9,841	5 PSIG	1200°F	11-26090
28"	28.00"	9.00"	3.25"	406	11,862	.25"	6,383	54,709	5 PSIG	1200°F	11-28090
30"	30.00"	9.00"	3.25"	523	15,035	.25"	9,629	46,036	5 PSIG	1200°F	11-30090
32"	32.00"	9.00"	3.25"	557	14,702	.25"	11,596	32,072	5 PSIG	1200°F	11-32090
34"	34.00"	9.00"	3.25"	591	14,409	.25"	13,813	23,123	5 PSIG	1200°F	11-34090
36"	36.00"	9.00"	3.25"	625	14,148	.25"	16,295	17,150	2 PSIG	1200°F	11-36090
38"	38.00"	9.00"	3.25"	659	13,914	.25"	19,056	13,027	2 PSIG	1200°F	11-38090
40"	40.00"	9.00"	3.25"	692	13,724	.25"	22,110	10,113	2 PSIG	1200°F	11-40090
42"	42.00"	9.00"	3.25"	726	13,633	.25"	25,467	8,034	2 PSIG	1200°F	11-42090
44"	44.00"	9.00"	3.25"	759	13,549	.19"	29,147	26,285	2 PSIG	1200°F	11-44090
46"	46.00"	9.00"	3.25"	793	13,473	.19"	33,164	20,899	2 PSIG	1200°F	11-46090
48"	48.00"	9.00"	3.25"	826	13,403	.19"	37,531	16,858	2 PSIG	1200°F	11-48090

Movements listed are non-concurrent.

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

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.

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.