

12" 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
4" TUBE	4.00"	12.00"	2.00"	56	100,000	1.50"	12	100,000	5 PSIG	1200°F	11-40120
4" PIPE	4.50"	12.00"	2.00"	62	65,128	1.50"	17	100,000	5 PSIG	1200°F	11-45120
5" TUBE	5.00"	12.00"	3.25"	98	10,465	1.50"	33	100,000	5 PSIG	1200°F	11-50120
5" PIPE	5.56"	12.00"	3.50"	100	8,609	1.50"	46	43,963	5 PSIG	1200°F	11-55120
6" TUBE	6.00"	12.00"	3.50"	101	9,746	1.50"	47	55,502	5 PSIG	1200°F	11-60120
6" PIPE	6.63"	12.00"	3.50"	108	9,623	1.50"	61	32,918	5 PSIG	1200°F	11-65120
8" TUBE	8.00"	12.00"	3.50"	130	8,747	1.25"	102	31,382	5 PSIG	1200°F	11-80120
8" PIPE	8.63"	12.00"	3.50"	147	7,294	1.25"	133	17,964	5 PSIG	1200°F	11-85120
10" TUBE	10.00"	12.00"	4.00"	159	9,432	1.25"	200	20,281	5 PSIG	1200°F	12-100120
10" PIPE	10.75"	12.00"	4.00"	171	9,119	1.25"	245	13,999	5 PSIG	1200°F	11-105120
12" TUBE	12.00"	12.00"	4.00"	192	8,502	1.00"	336	24,214	5 PSIG	1200°F	11-120120
12" PIPE	12.75"	12.00"	4.00"	204	8,292	1.00"	399	17,622	5 PSIG	1200°F	11-125120
14"	14.00"	12.00"	4.50"	155	12,801	1.00"	370	30,931	5 PSIG	1200°F	11-140120
16"	16.00"	12.00"	4.50"	176	12,061	1.00"	540	15,313	5 PSIG	1200°F	11-160120
18"	18.00"	12.00"	4.50"	198	11,493	.88"	755	15,908	5 PSIG	1200°F	11-180120
20"	20.00"	12.00"	4.50"	219	11,042	.75"	1,021	20,736	5 PSIG	1200°F	11-200120
22"	22.00"	12.00"	4.50"	240	10,674	.75"	1,342	12,721	5 PSIG	1200°F	11-220120
24"	24.00"	12.00"	4.50"	262	10,367	.63"	1,725	20,319	5 PSIG	1200°F	11-240120
26"	26.00"	12.00"	4.50"	283	10,107	.63"	2,173	13,469	5 PSIG	1200°F	11-260120
28"	28.00"	12.00"	4.50"	304	9,883	.50"	2,693	28,614	5 PSIG	1200°F	11-280120
30"	30.00"	12.00"	4.50"	392	12,481	.50"	4,062	24,387	5 PSIG	1200°F	11-300120
32"	32.00"	12.00"	4.50"	418	12,210	.50"	4,892	17,384	5 PSIG	1200°F	11-320120
34"	34.00"	12.00"	4.50"	443	11,970	.50"	5,827	12,773	5 PSIG	1200°F	11-340120
36"	36.00"	12.00"	4.50"	469	11,757	.50"	6,874	9,625	2 PSIG	1200°F	11-360120
38"	38.00"	12.00"	4.50"	494	11,565	.38"	8,039	31,078	2 PSIG	1200°F	11-380120
40"	40.00"	12.00"	4.50"	519	11,410	.38"	9,328	23,607	2 PSIG	1200°F	11-400120
42"	42.00"	12.00"	4.50"	544	11,335	.38"	10,744	18,413	2 PSIG	1200°F	11-420120
44"	44.00"	12.00"	4.50"	570	11,267	.38"	12,296	11,267	2 PSIG	1200°F	11-440120
46"	46.00"	12.00"	4.50"	595	11,205	.38"	13,991	11,759	2 PSIG	1200°F	11-46090
48"	48.00"	12.00"	4.50"	620	11,147	.38"	15,834	9,590	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.