

12" L/L SINGLE-PLY BELLOWS DATA

INCONEL 625

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"	66	100,000	1.50"	14	100,000	5 PSIG	1300°F	11-40120-625
4" PIPE	4.50"	12.00"	2.50"	73	40,613	1.50"	20	100,000	5 PSIG	1300°F	11-45120-625
5" TUBE	5.00"	12.00"	3.25"	121	6,166	1.50"	40	55,935	5 PSIG	1300°F	11-50120-625
5" PIPE	5.56"	12.00"	3.25"	133	5,661	1.50"	53	29,749	5 PSIG	1300°F	11-55120-625
6" TUBE	6.00"	12.00"	3.25"	136	6,048	1.50"	63	22,121	5 PSIG	1300°F	11-60120-625
6" PIPE	6.63"	12.00"	3.25"	146	5,985	1.50"	81	13,738	5 PSIG	1300°F	11-65120-625
8" TUBE	8.00"	12.00"	3.25"	179	5,146	1.25"	140	12,317	5 PSIG	1300°F	11-80120-625
8" PIPE	8.63"	12.00"	3.25"	189	5,307	1.25"	189	9,015	5 PSIG	1300°F	11-85120-625
10" TUBE	10.00"	12.00"	3.50"	177	13,926	1.25"	223	15,411	5 PSIG	1300°F	12-100120-625
10" PIPE	10.75"	12.00"	3.50"	193	12,853	1.25"	277	10,293	5 PSIG	1300°F	11-105120-625
12" TUBE	12.00"	12.00"	3.50"	215	12,230	1.00"	377	17,909	5 PSIG	1300°F	11-120120-625
12" PIPE	12.75"	12.00"	3.50"	229	11,919	1.00"	448	13,153	5 PSIG	1300°F	11-125120-625
14"	14.00"	12.00"	4.00"	174	17,206	1.00"	415	22,747	5 PSIG	1300°F	11-140120-625
16"	16.00"	12.00"	4.00"	198	16,186	1.00"	606	11,490	5 PSIG	1300°F	11-160120-625
18"	18.00"	12.00"	4.00"	222	15,403	.88"	848	11,925	5 PSIG	1300°F	11-180120-625
20"	20.00"	12.00"	4.00"	246	14,782	.75"	1,146	15,432	5 PSIG	1300°F	11-200120-625
22"	22.00"	12.00"	4.00"	270	14,276	.75"	1,507	9,590	5 PSIG	1300°F	11-220120-625
24"	24.00"	12.00"	4.00"	294	13,855	.63"	1,936	14,542	5 PSIG	1300°F	11-240120-625
26"	26.00"	12.00"	4.00"	318	13,499	.63"	2,440	9,759	5 PSIG	1300°F	11-260120-625
28"	28.00"	12.00"	4.00"	342	13,193	.50"	3,023	21,093	5 PSIG	1300°F	11-280120-625
30"	30.00"	12.00"	4.50"	210	34,171	.50"	2,176	71,389	5 PSIG	1300°F	11-300120-625
32"	32.00"	12.00"	4.50"	224	33,288	.50"	2,620	48,994	5 PSIG	1300°F	11-320120-625
34"	34.00"	12.00"	4.50"	237	32,511	.50"	3,119	34,892	5 PSIG	1300°F	11-340120-625
36"	36.00"	12.00"	4.50"	251	31,822	.50"	3,679	25,615	2 PSIG	1300°F	11-360120-625
38"	38.00"	12.00"	4.50"	264	31,205	.38"	4,301	92,727	2 PSIG	1300°F	11-380120-625
40"	40.00"	12.00"	4.50"	278	30,651	.38"	4,989	68,021	2 PSIG	1300°F	11-400120-625
42"	42.00"	12.00"	4.50"	291	30,148	.38"	5,746	51,190	2 PSIG	1300°F	11-420120-625
44"	44.00"	12.00"	4.50"	305	29,691	.38"	6,576	39,367	2 PSIG	1300°F	11-440120-625
46"	46.00"	12.00"	4.50"	318	29,272	.38"	7,483	30,843	2 PSIG	1300°F	11-46090-625
48"	48.00"	12.00"	4.50"	331	28,888	.38"	8,468	24,558	2 PSIG	1300°F	11-48090-625

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.