

# 9" 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"	9.00"	2.75"	85	6,905	1.25"	33	44,832	5 PSIG	1300°F	11-4090-625
4" PIPE	4.50"	9.00"	2.75"	95	6,210	1.25"	45	22,586	5 PSIG	1300°F	11-4590-625
5" TUBE	5.00"	9.00"	2.50"	147	7,017	1.25"	88	9,220	5 PSIG	1300°F	11-5090-625
5" PIPE	5.56"	9.00"	2.50"	173	5,358	1.00"	124	13,193	5 PSIG	1300°F	11-5590-625
6" TUBE	6.00"	9.00"	2.50"	150	9,308	1.00"	125	16,227	5 PSIG	1300°F	11-6090-625
6" PIPE	6.63"	9.00"	2.50"	162	9,192	1.00"	161	10,233	5 PSIG	1300°F	11-6590-625
8" TUBE	8.00"	9.00"	2.50"	194	8,357	.75"	272	16,504	5 PSIG	1300°F	11-8090-625
8" PIPE	8.63"	9.00"	2.50"	217	7,186	.75"	349	10,081	5 PSIG	1300°F	11-8590-625
10" TUBE	10.00"	9.00"	2.50"	240	16,886	.75"	536	10,628	5 PSIG	1300°F	11-10090-625
10" PIPE	10.75"	9.00"	2.50"	262	15,562	.75"	667	7,189	5 PSIG	1300°F	11-10590-625
12" TUBE	12.00"	9.00"	2.50"	291	14,792	.63"	909	9,689	5 PSIG	1300°F	11-12090-625
12" PIPE	12.75"	9.00"	2.50"	309	14,408	.63"	1,079	7,232	5 PSIG	1300°F	11-12590-625
14"	14.00"	9.00"	2.75"	232	26,951	.63"	984	12,845	5 PSIG	1300°F	11-14090-625
16"	16.00"	9.00"	2.75"	264	25,283	.50"	1,437	20,690	5 PSIG	1300°F	11-16090-625
18"	18.00"	9.00"	2.75"	296	24,007	.50"	2,010	11,355	5 PSIG	1300°F	11-18090-625
20"	20.00"	9.00"	2.75"	328	22,998	.38"	2,717	28,280	5 PSIG	1300°F	11-20090-625
22"	22.00"	9.00"	2.75"	360	22,177	.38"	3,572	17,097	5 PSIG	1300°F	11-22090-625
24"	24.00"	9.00"	2.75"	392	21,495	.38"	4,589	11,020	5 PSIG	1300°F	11-24090-625
26"	26.00"	9.00"	2.75"	424	20,919	.25"	5,783	60,461	5 PSIG	1300°F	11-26090-625
28"	28.00"	9.00"	2.75"	455	20,425	.25"	7,166	39,454	5 PSIG	1300°F	11-28090-625
30"	30.00"	9.00"	3.25"	280	41,875	.38"	5,158	15,462	5 PSIG	1300°F	11-30090-625
32"	32.00"	9.00"	3.25"	298	40,770	.38"	6,210	11,198	5 PSIG	1300°F	11-32090-625
34"	34.00"	9.00"	3.25"	316	39,797	.38"	7,394	8,336	5 PSIG	1300°F	11-34090-625
36"	36.00"	9.00"	3.25"	334	38,935	.25"	8,719	48,072	2 PSIG	1300°F	11-36090-625
38"	38.00"	9.00"	3.25"	352	38,165	.25"	10,194	35,520	2 PSIG	1300°F	11-38090-625
40"	40.00"	9.00"	3.25"	370	37,471	.25"	11,825	26,893	2 PSIG	1300°F	11-40090-625
42"	42.00"	9.00"	3.25"	388	36,844	.25"	13,620	20,789	2 PSIG	1300°F	11-42090-625
44"	44.00"	9.00"	3.25"	406	36,273	.25"	15,588	16,360	2 PSIG	1300°F	11-44090-625
46"	46.00"	9.00"	3.25"	424	35,751	.19"	17,736	57,780	2 PSIG	1300°F	11-46090-625
48"	48.00"	9.00"	3.25"	442	35,271	.19"	20,072	45,282	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.