

6" LENGTH 321SS MULTI PLY BELLOWS DATA

NOMINAL SIZE	BELLOWS ID	LIVE LENGTH	AXIAL COMP.	AXIAL SPRING RATE	CYCLES	LATERAL OFFSET	LATERAL SPRING RATE	CYCLES	MAX PRESSURE	MAX TEMP
3" TUBE	3.00"	6.00"	1.25"	107	100,000	.63"	53	100,000	5 PSIG	1200° F
3" PIPE	3.50"	6.00"	1.50"	123	36,198	.63"	81	100,000	5 PSIG	1200° F
4" TUBE	4.00"	6.00"	1.75"	107	44,325	.63"	94	100,000	5 PSIG	1200° F
4" PIPE	4.50"	6.00"	1.75"	120	41,877	.63"	129	73,147	5 PSIG	1200° F
5" TUBE	5.00"	6.00"	2.00"	104	42,157	.63"	138	87,331	5 PSIG	1200° F
5" PIPE	5.56"	6.00"	2.00"	105	53,964	.63"	170	63,398	5 PSIG	1200° F
6" TUBE	6.00"	6.00"	2.00"	119	44,316	.63"	220	35,817	5 PSIG	1200° F
6" PIPE	6.63"	6.00"	2.00"	131	42,000	.63"	288	21,118	5 PSIG	1200° F
8" TUBE	8.00"	6.00"	2.00"	153	35,235	.50"	476	23,821	5 PSIG	1200° F
8" PIPE	8.63"	6.00"	2.00"	165	32,667	.50"	591	15,127	5 PSIG	1200° F
10" TUBE	10.00"	6.00"	2.00"	145	70,635	.50"	691	14,581	5 PSIG	1200° F
10" PIPE	10.75"	6.00"	2.00"	154	66,559	.43"	845	21,135	5 PSIG	1200° F
12" TUBE	12.00"	6.00"	2.00"	171	61,644	.43"	1,151	11,763	5 PSIG	1200° F
12" PIPE	12.75"	6.00"	2.00"	181	59,850	.38"	1,368	17,035	5 PSIG	1200° F
14"	14.00"	6.00"	2.00"	198	57,316	.38"	1,788	10,577	5 PSIG	1200° F
16"	16.00"	6.00"	2.00"	225	54,125	.25"	2,623	42,346	5 PSIG	1200° F
18"	18.00"	6.00"	2.00"	253	51,665	.25"	3,684	22,077	5 PSIG	1200° F
20"	20.00"	6.00"	2.00"	280	48,705	.25"	4,997	12,766	5 PSIG	1200° F
22"	22.00"	6.00"	2.00"	307	48,101	.19"	6,587	33,522	5 PSIG	1200° F
24"	24.00"	6.00"	2.00"	333	46,763	.19"	8,482	20,866	5 PSIG	1200° F
26"	26.00"	6.00"	2.00"	460	60,697	.19"	13,908	16,929	5 PSIG	1200° F
28"	28.00"	6.00"	2.00"	494	59,079	.19"	17,238	11,595	5 PSIG	1200° F
30"	30.00"	6.00"	2.00"	528	57,677	.13"	21,059	70,098	5 PSIG	1200° F
32"	32.00"	6.00"	2.00"	562	56,449	.13"	25,403	47,788	5 PSIG	1200° F
34"	34.00"	6.00"	2.00"	596	55,363	.06"	30,304	100,000	5 PSIG	1200° F
36"	36.00"	6.00"	2.00"	433	100,000	.06"	24,913	100,000	2 PSIG	1200° F
38"	38.00"	6.00"	2.00"	457	100,000	.06"	29,152	100,000	2 PSIG	1200° F
40"	40.00"	6.00"	2.00"	480	100,000	.06"	33,844	100,000	2 PSIG	1200° F
42"	42.00"	6.00"	2.00"	503	100,000	.06"	39,013	100,000	2 PSIG	1200° F
44"	44.00"	6.00"	2.00"	526	100,000	.06"	44,681	100,000	2 PSIG	1200° F
46"	46.00"	6.00"	2.00"	549	100,000	.06"	50,863	100,000	2 PSIG	1200° F
48"	48.00"	6.00"	2.00"	572	100,000	.06"	57,583	100,000	2 PSIG	1200° F

Movements listed are non-concurrent
 Spring rate units are lbs/in
 Calculations based on EJMA 9th Edition

Contact FS Products engineers for
 calculations based on your specific job
 requirements

Note: Axial and lateral spring rates are based on maximum allowable temperature shown