

JF-850SGC Lateral Settlement Joint (Double multiply bellows for medium pressure)**Description**

Two multiply stainless steel bellows connected by intermediate tube, welded to tube end and flanges and with internal sleeve, external covers and tie-rods. Designed to accommodate lateral movement of pipeline in medium working pressure and temperature.

Feature

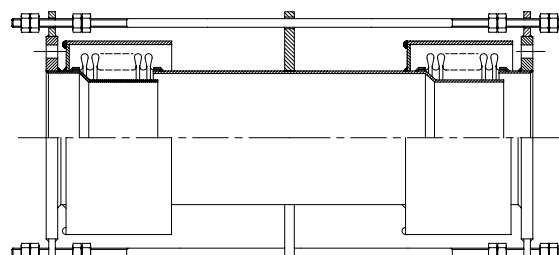
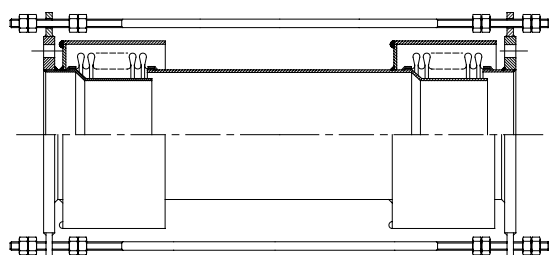
Size Range: 3/4" (DN20) ~ 24" (DN600)

Design Pressure: 16bar at 200 °C (390 °F)

Life Cycles > 1,000 times

CONSTRUCTION

Item	Part	850SGC	Material
1	Bellows	☉	SS304/SS316
2	Internal Sleeve	☉	SS304/SS316
3	Tube End	☉	Carbon Steel/SS304/SS316
4	Seal Ring	☉	SS304/SS316
5	Flange	☉	Carbon Steel/SS304/SS316
6	Bolts	☉	Carbon Steel/SS304
7	Nuts	☉	Carbon Steel/SS304
8	External Covers	☉	Carbon Steel/SS304

**SPECIFICATION for BS 4504 PN16 Drilling Flanges Fitted**

Nominal Diameter		Bellows		Lateral ±25mm		Lateral ±50mm		Lateral ±75mm		Lateral ±100mm		Lateral ±150mm		Effective Area	Note
		OD	Corr	Total Length	Lateral Spring Rate	Total Length	Lateral Spring Rate	Total Length	Lateral Spring Rate	Total Length	Lateral Spring Rate	Total Length	Lateral Spring Rate		
mm	inch	mm	mm	mm	N/mm	mm	N/mm	mm	N/mm	mm	N/mm	mm	N/mm	cm ²	
20	1	32.7	5	400	1.6	550	0.3	650	0.2	800	0.1	1050	0.1	6	
25	1	37.5	5	400	1.8	550	0.4	650	0.3	800	0.1	1050	0.1	8	
32	1 1/4	47.0	5	400	3.5	550	0.8	700	0.4	850	0.2	1100	0.1	13	
40	1 1/2	57.0	5	450	3.5	600	1.1	750	0.6	900	0.3	1200	0.2	20	
50	2	72.0	5	450	6.8	600	2.1	750	1.0	900	0.6	1200	0.3	32	
65	2 1/2	90.0	5	500	17.6	600	4.8	750	2.3	900	1.4	1200	0.6	49	
80	3	103.0	5	500	14.5	650	5.5	850	2.4	1000	1.5	1350	0.7	66	
100	4	136.6	5	500	35.3	700	9.6	900	4.5	1100	2.6	1450	1.3	122	
125	5	162.0	6	500	47.9	800	9.8	1000	5.2	1200	3.2	1650	1.4	176	
150	6	196.0	6	550	63.3	800	17.1	1000	8.9	1200	5.4	1650	2.4	258	
200	8	246.0	6	600	74.0	850	23.4	1050	12.7	1300	7.2	1750	3.4	415	
250	10	308.0	7	600	160.6	850	49.1	1100	22.9	1350	13.2	1800	6.4	658	
300	12	360.0	7	650	156.9	900	55.1	1150	27.2	1400	16.1	1900	7.6	909	
350	14	416.8	4	650	319.0	900	94.0	1150	45.3	1400	26.5	1900	12.3	1171	
400	16	472.4	5	700	467.1	950	156.5	1150	87.4	1400	50.4	1900	22.9	1516	
450	18	523.2	5	700	639.7	1000	184.6	1250	95.5	1500	58.1	2000	28.0	1887	
500	20	580.0	4	700	818.1	1050	201.8	1350	98.7	1650	58.3	2150	30.3	2324	
600	24	681.6	5	750	946.7	1100	254.9	1400	126.7	1700	75.5	2200	39.6	3274	