

Van Stoned End Type (Floating Flanges) – JF-150 Series**Product Description**

One-ply Stainless steel bellows and internal sleeve van stoned with flanges. Tie Rods are optional. Designed to accommodate axial movement of pipeline in low and medium working pressure/temperature.

Feature

Size Range: 1-1/2" (DN40) ~ 12" (DN300)

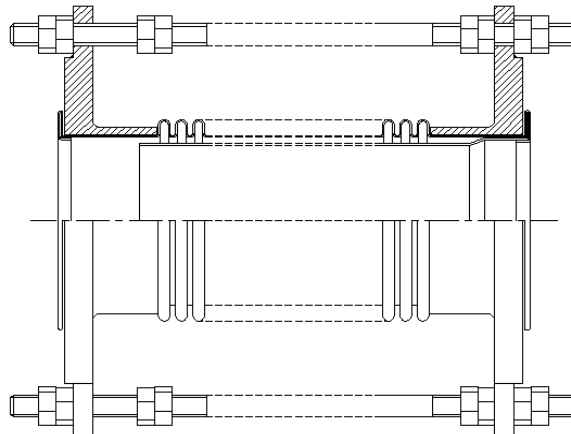
Design Pressure: 16bar

Life Cycles > 1,000

Fitted Flanges Drilling: EN 1092-2/ ISO 7005-2 PN16

CONSTRUCTION

Item	Part	150SG	150S	Material	Specification
1	Bellows	☉	☉	St. St. Grade 304/316	EN 1.4301/1.4401 DIN X5CrNi1810/X5CrNiMo17122
2	Internal Sleeve	☉	☉	St. St. Grade 304/316	EN 1.4301/1.4401 DIN X5CrNi1810/X5CrNiMo17122
3	Flange	☉	☉	Ductile / Carbon Steel	JIS FCD400 ISO1083 Grade 400-15 ASTM A395 Class 414-18
4	Tie Rods	☉		Zinc-Plated Carbon Steel	

**SPECIFICATION**

Nominal Diameter		Total Length	Bellows		Axial Movement		Max. Working Pressure	Axial Spring Rate	Effective Area	Note
mm	inch	mm	O.D.	Corr.	mm		bar	N/mm	cm ²	
40	1 1/2	300	56.6	32	+10	-40	16	19.8	19.8	
50	2	300	74.5	24	+10	-40	16	39.2	33.0	
65	2 1/2	300	89.5	20	+10	-40	16	48.8	49.3	
80	3	300	106.0	20	+10	-40	16	68.8	69.3	
100	4	300	130.5	16	+10	-40	16	86.6	108.4	
125	5	300	162.0	15	+10	-40	16	125.3	169.1	
150	6	300	187.5	15	+10	-40	16	141.9	232.4	
200	8	300	241.0	14	+10	-40	16	219.7	392.0	
250	10	300	293.0	13	+10	-40	16	250.8	591.8	
300	12	300	346.0	13	+10	-40	16	361.8	834.7	

Other movements, sizes, pressure, material expansion joint available on request