STENFLEX TYPE SA

EPSA-13

Axial compensator DN 15 – DN 1000

Specification

- Engineered Products & Solutions steel compensator EPSA-13
- Vacuum-proof axial compensator consisting of two stainless steel bellows (DN 125 - DN 1000 with connecting pipe) and welded pipe ends (welding ends)
- Guide sleeves to stabilize the compensator
- Guide sleeves do not supersede pipe guide bearings

Steel bellows PN2,5 / PN6 / PN10 / PN16

- Multiple convolution bellows in various stainless steel grades
- One ply or multi-ply structure

Materials

- Stainless Steel

Material Grades*	Material number as per DIN EN	Temperature	Applications
Stainless steel	1.4541, 1.4404, 1.4571	-196 °C up to +550 °C +550 °C	Low temperature, acids, lyes, gases, fertilizers Media containing chloride, oil, soap, drinking water, food stuff, petrol

Welding Ends

- Welded pipe ends

Dimensions

Standard: see tables

Others: DIN EN, ANSI, BS etc.

Materials

Standard: 1.0305 (St 35.8I), 1.0038 (S235JR)

Corrosion protection

Standard: anti-corrosion primed

Others: special varnish, etc.

Guide Sleeve

Materials

Standard: 1.4541

Applications

- For compensating large axial movement
- For installation in
  - long pipe routings
  - industrial applications
  - heating installations
  - for gas supply lines

Special designs

Other sizes (DN), lengths or pressure ratings on request.

Accessories

- Protective tube

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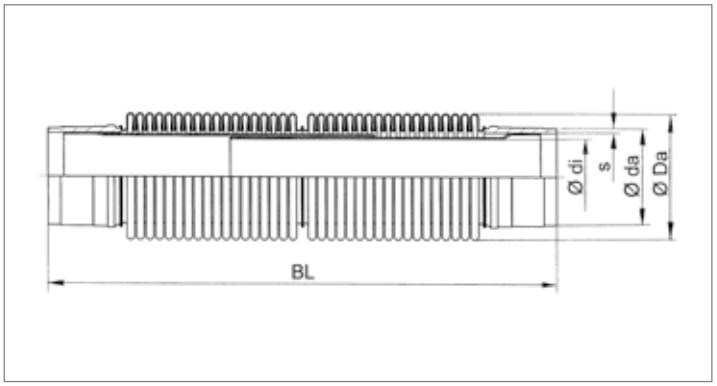
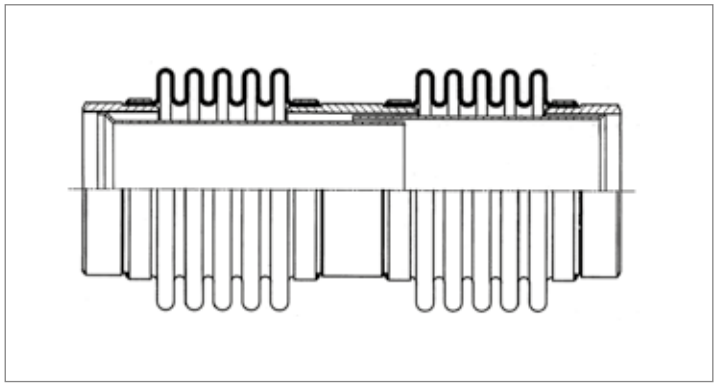


DN 15 - DN 100



DN 125 - DN 250

EPSA-13 Pressure rate PN16 standard program

		Δ Axtot Axial Movement	Cax Axial Spring Rate	A* Effective Bellows Cross Sectional Area	ø Da Bellows Outer ø mm Flared End	ø di Guide Sleeve Inner ø mm Bellows Outer	ø da x s Pipe Connection	Weight Approx.
DN	BL (mm)	(mm)	N/mm	cm2	ø mm	ø mm	mm	kg
15	260	48	25	7	38	14	21.3 X 2.0	0.7
20	260	48	25	7	38	18	26.9 X 2.3	0.7
25	270	40	25	16	54	24	33.7 X 2.6	1.0
32	270	40	25	16	54	32	42.4 X 2.9	1.0
40	300	52	34	25	66	37	48.3 X 2.6	1.1
50	320	68	44	36	79	47	60.3 X 2.9	1.9
65	357	72	51	54	96	60	76.1 X 2.9	2.8
80	358	80	40	78	116	74	88.9 X 3.2	3.6
100	386	80	46	115	136	95	114.3 X 4.0	4.4
125	475	100	40	173	168	116	139.7 X 4.0	8.1
150	535	100	78	243	196	145	168.3 X 4.5	11.0
200	545	140	119	422	253	193	219.1 X 6.3	17.1
250	545	104	312	620	302	246	273.0 X 6.3	21.4

Table values refer to +20°C bellows material 1.4541, 1000 cycles. Please inquire for deviating values.