

EP SG-10

Axial compensator DN 15 – DN 50



Specification

- Engineered Products & Solutions steel compensator EP SG-10
- Vacuum-proof axial compensator consisting of a stainless steel bellows and threaded connection parts
- Connection parts with hexagon insert bit and male thread

Steel bellows PN16

- Multiple convolution bellows in various stainless steel grades
- One 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

Threaded connection parts

- Male thread

Dimensions

Standard: R 1/2" – R 2" ISO 7-1 (DIN 2999)

Materials

Standard: 1.4541

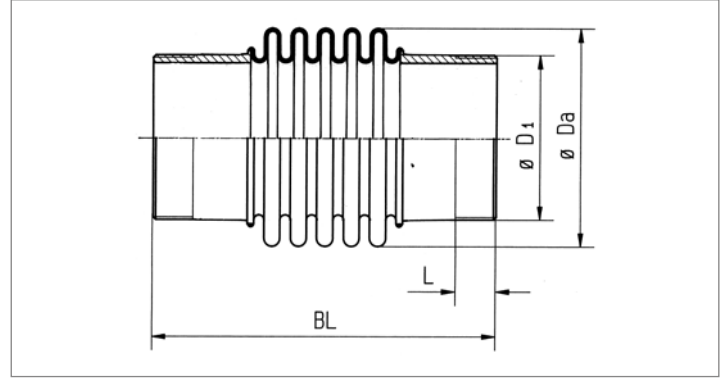
Applications

- For compensating axial movement
- For reducing tension, damping noise and oscillation in pipes and their system components, e.g.
 - pumps
 - compressors
 - motors
 - turbines
 - machines
- To compensate for installation inaccuracies
- For installation in
 - heating installations
 - drinking water systems
- For pipe systems of stainless or unalloyed steel
- For copper or plastic pipes
- For pressfitting systems

EP SG-10



DN 15 - DN 25



DN 32 - DN 50

EP SG-10 Pressure rate PN16 standard program

		Δ Axtot Axial Movement	Cax Axial Spring Rate	A* Effective Bellows Cross Sectional Area	ϕ Da Bellows Outer	D1 Male Thread	Length of Thread	SW Width Accross	Weight Approx.
DN	BL (mm)	(mm)	N/mm	cm ²	ϕ mm	ϕ inch	mm	mm	Kg
15	125	24	49	7	38	"R 1/2"	13	32	0.2
20	130	24	49	7	38	"R 3/4"	15	32	0.2
25	145	20	49	16	54	"R 1"	17	46	0.5
32	185	20	49	16	54	"R 1 1/4"	19	n/a	0.5
40	200	26	87	25	66	"R 1 1/2"	19	n/a	0.8
50	225	34	87	35	78	"R 2"	24	n/a	1.2

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