

Steel expansion joint, Article 372-GS

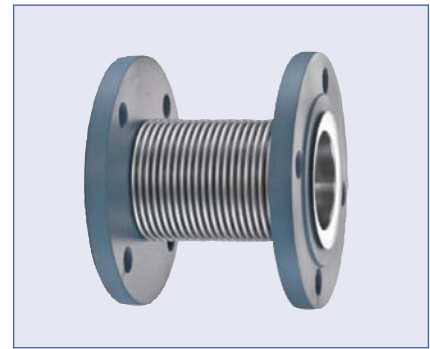
Diameter DN 15 up to DN 250

Expansion joints are flexible elements for compensating movements, especially in the case of thermal length changes (axial). Compensation takes place mechanically via elastic bellows. Compensates for assembly tolerances or settlement phenomena (lateral / angular), also absorbs oscillations and vibrations.

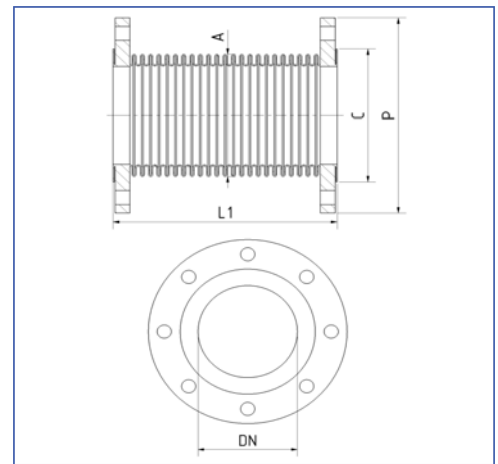
Stainless steel bellows (1.4541) multi corrugated, cold formed designed for a wide range of load cycles. Loose flanges (rotatable), beaded. It should be noted that the distance between two fixed points is smaller than the possible strain absorption of the compensator, where only one compensator may be used between two fixed points at a time.

- Flanged connection on both sides similar to DIN / EN 1092-1, Pressure rating PN 10 / 16**
- Pressure range up to max. 10.0 bar**

Expansion joints must not be designed for torsion !



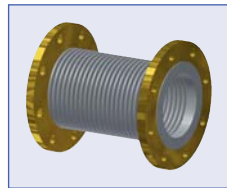
	Ambient	-20°C ... +250°C
	Medium	-20°C ... +300°C



Article 372-GS

Description	Material
Bellow	Stainless steel 1.4541
Flanges	Steel ST 35/37 primed* (dove blue)

*Optional also in galvanized version



372-GS/VZ
Flanges galvanized

PN 10 / PN 16 from DN 200 only PN 10

Diameter	Article-No.	L1 (mm)	ØP (mm)	ØC (mm)	ØA (mm)	Movement absorption				Pressure rating max. (bar)
						Compression Expansion axial (mm)	Displacement lateral (mm)	Angular deflection angular	Permissible vibration (mm)	
DN 15	23.6016.4.11	100	95	48	36	+/- 10,0	+/- 5,5	+/- 30°	0,5	10 / 16
DN 20	23.6016.4.13	100	105	58	36	+/- 10,0	+/- 5,5	+/- 30°	0,5	10 / 16
DN 25	23.6016.4.15	105	115	68	42	+/- 12,5	+/- 6,5	+/- 30°	0,7	10 / 16
DN 32	23.6016.4.18	120	140	78	50	+/- 12,5	+/- 6,5	+/- 28°	1,1	10 / 16
DN 40	23.6016.4.19	125	150	88	60	+/- 12,5	+/- 6,0	+/- 23°	1,1	10 / 16
DN 50	23.6016.4.21	150	165	102	75	+/- 15,0	+/- 7,0	+/- 22°	1,0	10 / 16
DN 65	23.6016.4.24	155	185	98	90	+/- 20,0	+/- 8,5	+/- 25°	1,0	10 / 16
DN 80	23.6016.4.25	165	200	118	110	+/- 22,5	+/- 8,5	+/- 23°	0,9	10 / 16
DN 100	23.6016.4.27	170	220	142	133	+/- 22,5	+/- 7,0	+/- 19°	0,9	10 / 16
DN 125	23.6016.4.28	185	250	170	157	+/- 22,5	+/- 6,5	+/- 16°	0,7	10 / 16
DN 150	23.6016.4.29	205	285	210	190	+/- 32,5	+/- 9,0	+/- 19°	0,7	10 / 16
DN 200	23.6015.4.31	235	340	260	250	+/- 32,5	+/- 8,0	+/- 14°	0,7	10
DN 250	23.6015.4.33	240	395	315	300	+/- 32,5	+/- 6,5	+/- 12°	0,7	10

PN 16

Diameter	Article-No.	L1 (mm)	ØP (mm)	ØC (mm)	ØA (mm)	Movement absorption				Pressure rating max. (bar)
						Compression Expansion axial (mm)	Displacement lateral (mm)	Angular deflection angular	Permissible vibration (mm)	
DN 200	23.6016.4.31	235	340	260	250	+/- 32,5	+/- 8,0	+/- 14°	0,7	16
DN 250	23.6016.4.33	240	395	315	300	+/- 32,5	+/- 6,5	+/- 12°	0,7	16

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