

BALANCE VI: DN40-250

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The Balance VI is a stainless steel expansion joint with rotating galvanized carbon steel flanges according to DIN PN 16. It is used for compensating axial movements in piping systems under high pressure. Due to its double-ply bellows, this compensator can compensate axial movements effectively. The maximum operating temperature of the Balance VI is +300 °C, the maximum working pressure 16 bar (120 °C).

APPROVALS

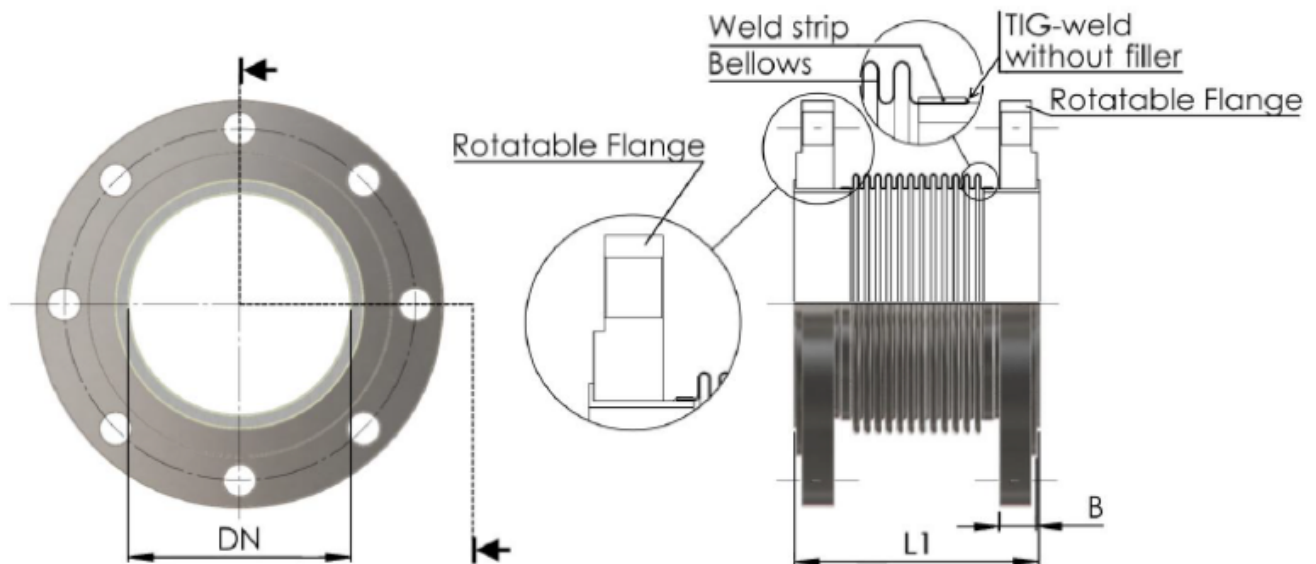
Type approval available on request.

CHARACTERISTICS

- Stainless steel expansion joint AISI 321
- Galvanized carbon steel flanges acc. DIN PN 16
- Rotating flanges
- Double-ply bellows material (except DN40)
- Standard length L=130
- Max. temperature: 300 °C
- Max. pressure: 16 bar (120 °C)
- Stock item



TECHNICAL DRAWING



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PRODUCT DATA¹

PART NO.	DN	L	BELLOWS (MATERIAL: AISI 321)			FLANGE (MATERIAL: CARBON STEEL)					MOVEMENT	SPRINGRATE
			CONV.	Plies	Thickness (mm)	D Outside (mm)	K	D Inside (mm)	Holes x d	B	Axial (mm)	N/mm
300 231 040	40	130	20	1	0,3	150	110	48,3	4 x 18	16	± 12	82
300 231 050	50	130	16	2	0,3	165	125	60,3	4 x 18	18	± 17	60
300 231 065	65	130	14	2	0,3	185	145	76,1	4 x 18	18	± 20	50
300 231 080	80	130	13	2	0,3	200	160	88,9	8 x 18	20	± 23	41
300 231 100	100	130	12	2	0,3	220	180	114,3	8 x 18	20	± 29	37
300 231 125	125	130	12	2	0,3	250	210	139,7	8 x 18	22	± 32	35
300 231 150	150	130	12	2	0,4	285	240	168,3	8 x 22	22	± 27	69
300 231 200	200	130	8	2	0,4	340	295	219,1	12 x 22	24	± 32	95
300 231 250	250	130	7	2	0,4	405	355	273	12 x 22	26	± 35	83

Notes:

1. Other SS grades and diameters available upon request

