

BALANCE VII: DN40-600

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The Balance VII is a stainless steel expansion joint with stainless steel weld ends. It is used to accommodate axial movements and relatively small lateral misalignments in piping systems. Due to its double-ply bellows, this compensator is more flexible in comparison to similar single-ply compensators. The maximum operating temperature of the Balance VII is +550 °C, the maximum working pressure 2,5 bar (120 °C).

APPROVALS

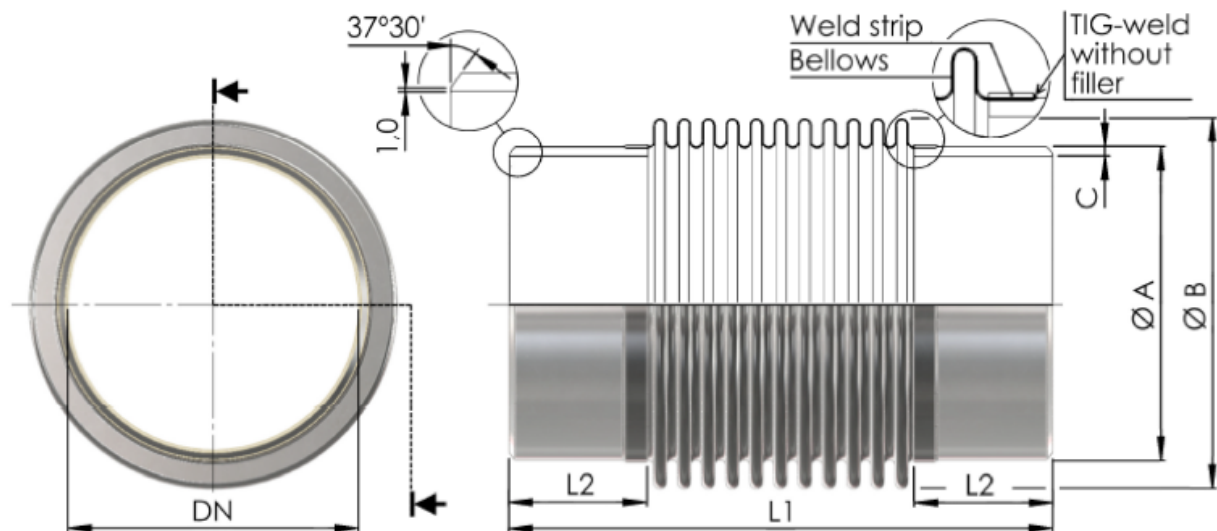
Type approval available on request.

CHARACTERISTICS

- Stainless steel expansion joint AISI 316 TI
- Stainless steel weld ends AISI 316 TI
- Double-ply bellows material
- Standard length
- Max. temperature: 550 °C
- Max. pressure: 2,5 bar (120 °C)
- Stock item



TECHNICAL DRAWING



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PRODUCT DATA¹

PART NO.	DN	L1	BELLOWS MATERIAL: AISI 316Ti (1.4571)				WELDING ENDS MATERIAL: CARBON STEEL			MOVEMENTS ² (MM)		SPRINGRATE (N/MM)	
			B (mm)	Conv	Plies	Thickness (mm)	A (mm)	C (mm)	L2 (mm)	Axial +/-	Lateral +/-	Axial +/-	Lateral +/-
300 250 040	40	245	57,7	22	1	0,3	48,3	2	50	29	18	30	7
300 250 050	50	245	69,7	13	2	0,3	60,3	2	50	29	15	34	11
300 250 065	65	245	87,5	13	2	0,3	76,1	2	50	32	15	56	50
300 250 080	80	245	100,3	13	2	0,3	88,9	2	50	38	15	53	35
300 250 100	100	245	129,8	11	2	0,3	114,3	2	50	44	10	34	40
300 250 125	125	245	157,8	11	2	0,3	139,7	2	50	33	10	86	122
300 250 150	150	245	186,6	9	2	0,3	168,3	2	50	38	10	91	229
300 250 200	200	245	239,7	9	2	0,3	219,1	2	50	27	10	108	465
300 250 250	250	245	293,6	9	2	0,3	273	2	50	38	8	76	509
300 250 300	300	295	346,5	9	2	0,3	323,9	2	50	45	7	76	773
300 250 350	350	295	378,2	9	2	0,3	355,6	2	70	44	6	112	1330
300 250 400	400	295	435	9	2	0,3	406,4	2	60	50	3	91	1144
300 250 450	450	300	487,8	8	2	0,4	457	2	60	50	3	101	1081
300 250 500	500	340	585,6	9	2	0,4	508	3	70	73	2	89	1526
300 250 600	600	330	642,6	9	2	0,4	610	3	70	68	2	119	2027

- Note:**
- 1. Other stainless steel grades and diameters available on request
 - 2. Axial and lateral movements are not to be used in combination

