

Balance I: DN25-400

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The Balance I is a stainless steel expansion joint with carbon 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.

APPROVALS

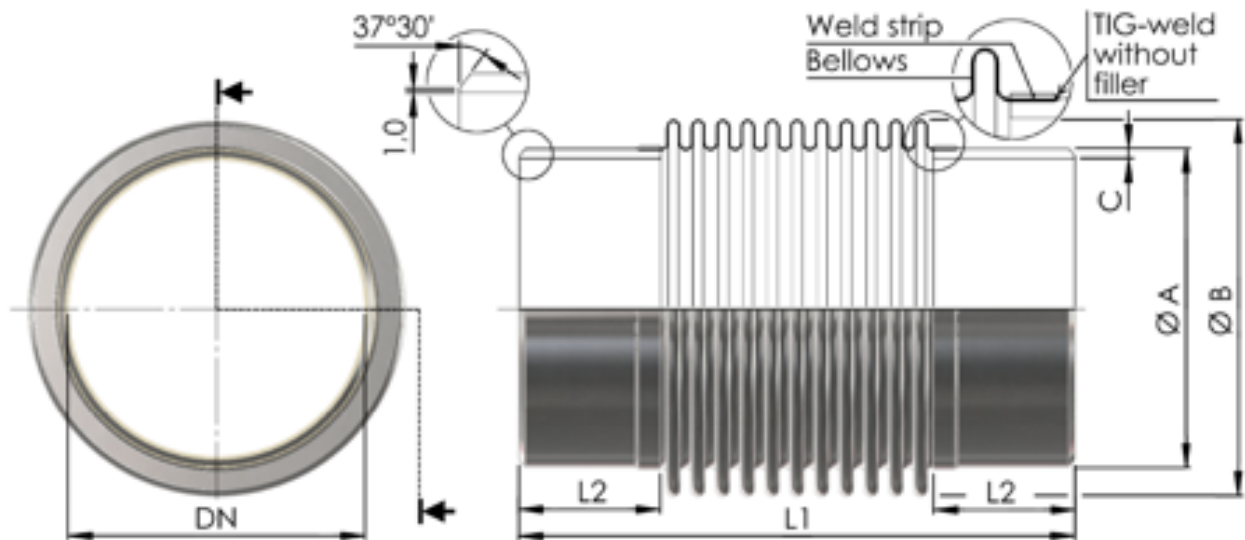
Type approval available on request.

CHARACTERISTICS

- Stainless steel expansion joint AISI 321
- Double-ply bellows material
- Standard length
- Carbon steel weld ends
- Max. temperature: 550 °C
- Max. pressure: 2,5 bar (50 °C)
- Stock item



TECHNICAL DRAWING



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PRODUCT DATA¹

PART NO.	DN	L1	BELLOWS (MATERIAL: AISI 321)			WELDING ENDS (MATERIAL: CARBON STEEL)			MOVEMENTS ² (MM)		SPRINGRATE (N/MM)	
			B (mm)	Plies	Thickness (mm)	A (mm)	C (mm)	L2 (mm)	Axial +/-	Lateral +/-	Axial +/-	Lateral +/-
330 000 025	25	205	42,0	1	0,2	33,7	2,9	45	28	15	18	57
330 000 032	32	205	52,0	1	0,3	42,4	2,6	50	28	15	50	186
330 000 040	40	205	60,3	1	0,3	48,3	2,6	50	28	15	36	143
330 000 050	50	245	78,3	2	0,3	60,3	2,9	63	28	15	49	214
330 000 065	65	245	96,7	2	0,3	76,1	2,9	63	28	14	40	206
330 000 080	80	245	109,7	2	0,3	88,9	3,2	63	28	13	46	261
330 000 090	90	245	122,2	2	0,3	101,6	3,2	63	35	10	46	337
330 000 100	100	245	140,5	2	0,3	114,3	3,6	63	35	10	35	281
330 000 125	125	245	165,7	2	0,3	139,7	3,6	63	35	9	42	389
330 000 150	150	245	200,5	2	0,3	168,3	4,0	63	35	9	35	365
330 000 175	175	245	225,9	2	0,3	193,7	4,5	63	35	9	35	365
330 000 200	200	245	251,1	2	0,3	219,1	4,5	63	35	6	43	610
330 000 250	250	245	305,2	2	0,3	273,0	5,0	63	35	5	54	924
330 000 300	300	295	360,9	2	0,3	323,9	5,6	75	40	6	42	698
330 000 350	350	295	392,6	2	0,3	355,6	5,6	75	40	5	48	870
330 000 400	400	295	443,4	2	0,3	406,4	5,6	75	40	3	52	1157

Note:

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

