

BALANCE V: DN40-400

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The Balance V is a stainless steel expansion joint with fixed carbon steel flanges according to DIN PN 10. 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 V is +550 °C, the maximum working pressure 2,5 bar (50 °C).

APPROVALS

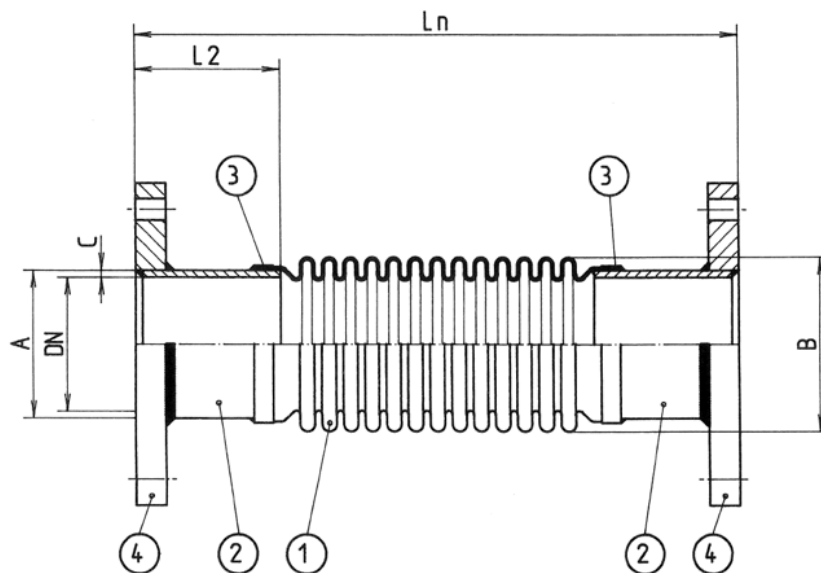
Type approval available on request.

CHARACTERISTICS

- Stainless steel expansion joint AISI 321
- Double-ply bellows material
- Standard length
- Fixed carbon steel flanges according to DIN PN 10
- Max. temperature: 550 °C
- Max. pressure: 2,5 bar (50 °C)
- Stock item



TECHNICAL DRAWING



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PRODUCT DATA¹

POSITION		QUANTITY	DESCRIPTION				MATERIAL			DIMENSIONS			
1		1	Bellows				AISI 321						
2		2	Weld end				Carbon steel						
3		2	Weld strip				AISI 321						
4		2	Flange				Carbon steel			DIN PN 10			

PART NO.	DN	Ln	BELLOWS (MATERIAL: AISI 321)				WELDING ENDS (MATERIAL: CARBON STEEL)			MOVEMENTS ² (MM)		SPRINGRATE (N/MM)	
			B (mm)	Conv.	Plies	Thickness (mm)	A (mm)	C2 (mm)	L2 (mm)	Axial +/-	Lateral +/-	Axial +/-	Lateral +/-
330 410 040	40	215	60,3	22	1	0,3	48,3	2,6	55	28	15	36	143
330 410 050	50	255	78,3	13	2	0,3	60,3	2,9	68	28	15	49	214
330 410 065	65	255	96,7	13	2	0,3	76,1	2,9	68	28	14	40	206
330 410 080	80	255	109,7	13	2	0,3	88,9	3,2	68	28	13	46	261
330 410 100	100	255	140,5	11	2	0,3	114,3	3,6	68	35	10	35	281
330 410 125	125	255	165,7	11	2	0,3	139,7	3,6	68	35	9	42	389
330 410 150	150	255	200,5	9	2	0,3	168,3	4,0	68	35	9	35	365
330 410 200	200	255	251,1	9	2	0,3	219,1	4,5	68	35	6	43	610
330 410 250	250	255	305,2	9	2	0,3	273,0	5,0	68	35	5	54	924
330 410 300	300	305	360,9	9	2	0,3	323,9	5,6	80	40	6	42	698
330 410 350	350	305	392,6	9	2	0,3	355,6	5,6	80	40	5	48	870
330 410 400	400	305	443,4	9	2	0,3	406,4	5,6	80	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

