BALANCE I WITH INNER SLEEVE: DN450-1000

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The Balance I with inner sleeve is a stainless steel expansion joint with carbon steel weld ends and a stainless steel inner sleeve. It is used to accommodate axial movements and relatively small lateral misalignments in piping systems with large diameters.

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 I with inner sleeve 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
- Stainless steel inner sleeve
- Carbon steel weld ends
- Max. temperature: 550 °C
- Max. pressure: 2,5 bar (50 °C)
- Stock item

Figures stated are for natural rubber hardness 60° IRH. Other hardness grades are available upon request. The technical values are to be used for info only. If you have any questions, please contact TAVS. Other dimensions on special demand with minimum quantity and/or order value.

TECHNICAL DRAWING

Product images are graphical representations. Actual items may differ in appearance

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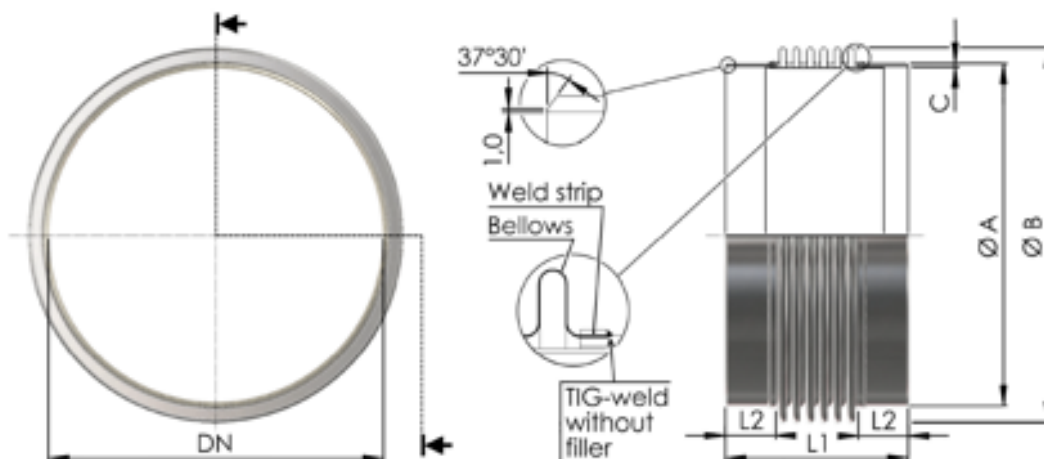
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PRODUCT DATA[1]

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 +/-
330 010 450	450	300	509,2	2	0,4	457,2	8	65	40	3	26	575
330 010 500	500	340	564	2	0,4	508	8	65	48	3	21	437
330 010 600	600	340	669,6	2	0,4	609,6	8	65	48	3	20	452
330 010 700	700	380	779	2	0,4	711	8	105	36	3	25	739
330 010 800	800	380	889	2	0,4	813	8	105	36	3	21	629
330 010 900	900	380	998	2	0,4	914	8	105	36	3	22	737
330 011 000	1000	380	1108	2	0,5	1016	8	105	36	3	19	628

Note:

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

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