BALANCE VIII: DN80-1600

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The Balance VIII is a relatively short stainless steel expansion joint with rotating flanges. It is used to accommodate axial movements and lateral misalignments in piping systems in situations with limited installation space. Due to its double-ply bellows and rotating flanges, this compensator is still able to compensate relatively large movements. The Balance VIII is supplied at pre-stressed length to reduce the reaction forces to the foundation in operating conditions (high temperature). The maximum operating temperature of the Balance VIII is +550 °C, the maximum working pressure 2,5 bar (120 °C).

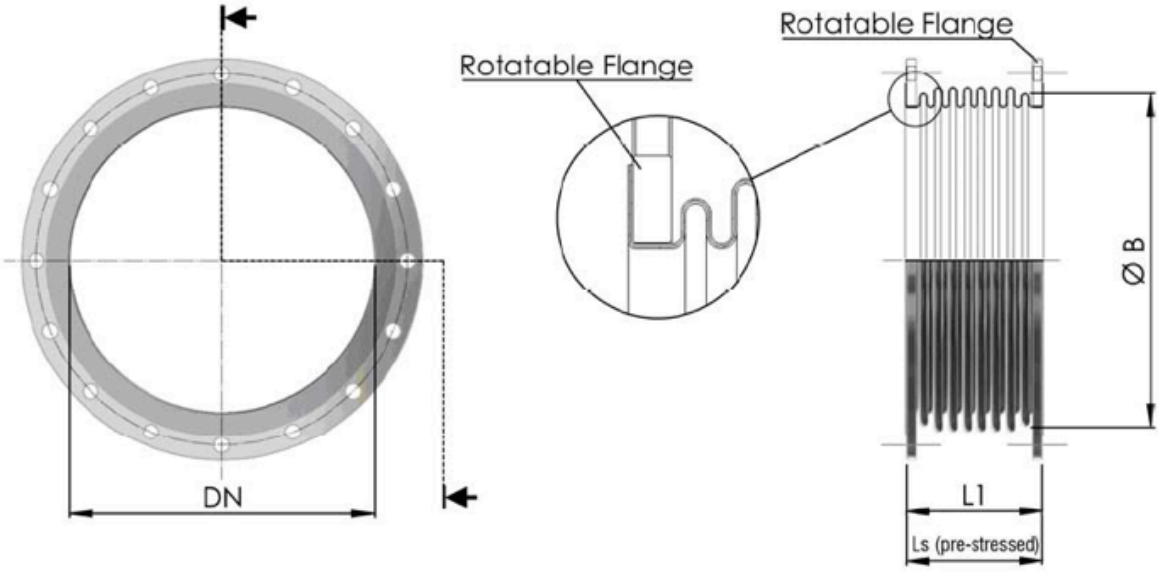
APPROVALS

Type approval available on request.

CHARACTERISTICS

- Stainless steel expansion joint AISI 321
- With rotating flanges acc. DIN 86044 (<DN200 - PN10)
- Double-ply bellows material
- Standard length
- Max. temperature: 550 °C
- Max. pressure: 2,5 bar (120 °C)
- Alternative flange dimensions available
- Stock item
- Supplied at pre-stressed length

TECHNICAL DRAWING



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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DN	ARTICLE NO.	L1	LS	BELLOWS (AISI 321) (MM)			MOVEMENTS[2] (MM)		SPRINGRATE (N/MM)		FLANGE (CARBON STEEL) (MM)		
				B	THICK-NESS	PLIES	AXIAL	LATERAL	AXIAL +/-	LATERAL +/-	D OUTSIDE	BOLT CIRCLE	HOLE X d
80	302 610 080		200	100	0,3	2	+ 10 / - 50	+/- 15	35	25	200	160	8 X 18
	302 610 081	180					+/- 30						
100	302 610 100		170	152	0,3	2	+ 13 / - 53	+/- 10	22	41	220	180	8 X 18
	302 610 101	150					+/- 33						
125	302 610 125		210	182	0,3	2	+ 10 / - 60	+/- 11	26	43	250	210	8 X 18
	302 610 126	185					+/- 35						
150	302 610 150		225	208	0,3	2	+ 15 / - 65	+/- 12	30	60	285	240	8 X 22
	302 610 151	200					+/- 40						
175	302 610 175		230	238	0,3	2	+ 15 / - 65	+/- 10	28	67	315	270	8 X 22
	302 610 176	205					+/- 40						
200	302 610 200		215	258	0,3	2	+ 14 / - 74	+/- 10	21	69	320	280	8 X 18
	302 610 201	185					+/- 44						
250	302 610 250		215	315	0,4	2	+ 12 / - 72	+/- 8	41	210	375	335	12 X 18
	302 610 251	185					+/- 42						
300	302 610 300		210	368	0,4	2	+ 15 / - 75	+/- 7	40	329	440	395	12 X 22
	302 610 301	180					+/- 45						
350	302 610 350		210	409	0,4	2	+ 14 / - 74	+/- 6	39	384	490	445	12 X 22
	302 610 351	180					+/- 44						
400	302 610 400		265	466	0,4	2	+ 20 / - 110	+/- 10	26	195	540	495	16 X 22
	302 610 401	220					+/- 65						
450	302 610 450		215	520	0,4	2	+ 15 / - 85	+/- 5	33	483	595	550	16 X 22
	302 610 451	180					+/- 50						
500	302 610 500		280	571	0,4	2	+ 23 / - 123	+/- 9	33	347	645	600	20 X 22
	302 610 501	230					+/- 73						
550	302 610 550		290	623	0,4	2	+ 23 / - 123	+/- 8	36	417	703	650	20 X 22
	302 610 551	240					+/- 73						
600	302 610 600		275	675	0,4	2	+ 23 / - 123	+/- 7	40	633	754	700	20 X 22
	302 610 601	230					+/- 68						
700	302 610 700		275	773	0,4	2	+ 18 / - 108	+/- 5	40	902	856	800	24 X 22
	302 610 701	230					+/- 63						
800	302 610 800		275	873	0,5	2	+ 21 / - 111	+/- 5	59	1637	958	900	24 X 22
	302 610 801	230					+/- 66						
900	302 610 900		275	983	0,5	2	+ 21 / - 111	+/- 4	62	2286	1060	1010	28 X 22
	302 610 901	230					+/- 66						
1000	302 611 000		275	1083	0,5	2	+ 21 / - 111	+/- 4	65	2689	1162	1110	32 X 22
	302 611 001	230					+/- 66						
1100	302 611 100		275	1183	0,6	2	+ 21 / - 111	+/- 3	68	3152	1266	1210	32 X 22
	302 611 101	230					+/- 66						
1200	302 611 200		275	1283	0,6	2	+ 21 / - 111	+/- 3	83	4625	1366	1310	36 X 22
	302 611 201	230					+/- 66						
1300	302 611 300		275	1383	0,8	2	+ 21 / - 111	+/- 3	90	5880	1466	1410	40 X 22
	302 611 301	230					+/- 66						
1400	302 611 400		275	1483	0,8	2	+ 21 / - 111	+/- 2	225	17721	1566	1510	40 X 22
	302 611 401	230					+/- 66						
1500	302 611 500		275	1583	0,8	2	+ 21 / - 111	+/- 2	241	21875	1666	1610	44 X 22
	302 611 501	230					+/- 66						
1600	302 611 600		275	1683	0,8	2	+ 21 / - 111	+/- 2	257	26630	1766	1710	48 X 22
	302 611 601	230					+/- 66						

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