

## Balance III: DN100-350

### BALANCE III: DN100-350

The Balance III is a stainless steel expansion joint with carbon steel weld ends. It is used to accommodate axial movements and relatively large 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 III is +550 °C, the maximum working pressure 2,5 bar (50 °C).

### APPROVALS

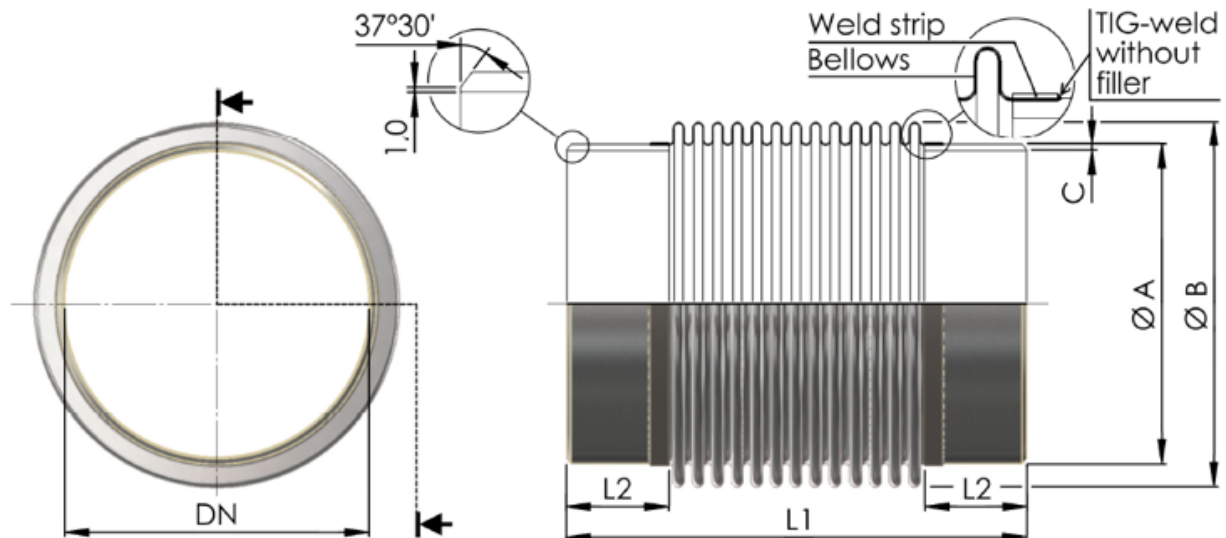
Type approval available on request.

### CHARACTERISTICS

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



### TECHNICAL DRAWING



## Balance III: DN100-350

### PRODUCT DATA<sup>1</sup>

| PART NO.    | DN  | L1  | BELLOWS<br>(MATERIAL: AISI 321) |       |                   | WELDING ENDS<br>(MATERIAL: CARBON STEEL) |           |            | MOVEMENTS <sup>2</sup><br>(MM) |                | SPRINGRATE<br>(N/MM) |                |
|-------------|-----|-----|---------------------------------|-------|-------------------|------------------------------------------|-----------|------------|--------------------------------|----------------|----------------------|----------------|
|             |     |     | B<br>(mm)                       | Plies | Thickness<br>(mm) | A<br>(mm)                                | C<br>(mm) | L2<br>(mm) | Axial<br>+/-                   | Lateral<br>+/- | Axial<br>+/-         | Lateral<br>+/- |
| 330 030 100 | 100 | 285 | 140,5                           | 2     | 0,3               | 114,3                                    | 3,6       | 60         | 45                             | 20             | 28                   | 150            |
| 330 030 125 | 125 | 295 | 165,7                           | 2     | 0,3               | 139,7                                    | 3,6       | 65         | 45                             | 20             | 33                   | 200            |
| 330 030 150 | 150 | 295 | 200,5                           | 2     | 0,3               | 168,3                                    | 4,0       | 60         | 45                             | 20             | 26                   | 170            |
| 330 030 200 | 200 | 315 | 251,1                           | 2     | 0,3               | 219,1                                    | 4,5       | 70         | 45                             | 20             | 32                   | 247            |
| 330 030 250 | 250 | 315 | 305,2                           | 2     | 0,3               | 273,0                                    | 5,0       | 70         | 45                             | 20             | 40                   | 357            |
| 330 030 300 | 300 | 345 | 360,9                           | 2     | 0,3               | 323,9                                    | 5,6       | 68         | 50                             | 15             | 31                   | 307            |
| 330 030 350 | 350 | 345 | 392,6                           | 2     | 0,3               | 355,6                                    | 5,6       | 68         | 50                             | 15             | 34                   | 351            |

#### Note:

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

