

Steel bellows expansion joint, Article 370-VA

Diameter DN 15 (1/2") up to DN 250 (10")

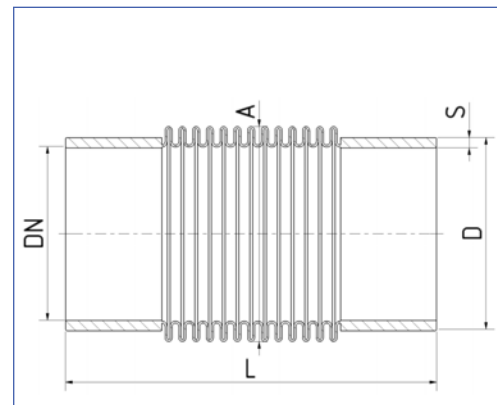
Stainless steel bellows expansion joint with steel welding ends on both sides, tube dimensions in accordance to DIN EN 10216-5 (seamless) or 10217-7 (welded). Multi-corrugated bellows design for lateral, axial and angular movement absorption.

Bellow made of stainless steel 1.4541 (F321), welding ends from steel for gaseous and liquid media, as well as neutral acids and alkalis.

Design pressure up to a maximum of 16 bar, in any case inadmissible expansion forces are to be absorbed by suitable fixed points (only place one compensator between the fixed points). These are to be selected so that the expansion of this distance is smaller than the possible expansion absorption of bellows.



| | | |
|--|---------|------------------|
| | Ambient | -25°C ... +250°C |
| | Medium | -25°C ... +400°C |



Article 370-VA

| Description | Materials |
|--------------|------------------------------------|
| bellow | stainless steel A182 F321 (1.4541) |
| welding ends | steel SA 283 gr C |

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| Diameter | welding ends steel SA 283 gr C article-no. | welding tube | | | | movement absorption | | | vibration all sides (mm) | effective cross section (cm ²) |
|----------------|--|--------------|-----------|-----------|-----------|--|---------------------------|-----------------------|--------------------------------|---|
| | | L (mm) | A (mm) | D (mm) | S (mm) | expansion compression axial (mm) | moving lateral (mm) | deflection angular | | |
| DN 15 (1/2") | 23.6020.5.11 | 175 | 36 | 21,3 | 2,0 | +/- 10,0 | +/- 5,5 | +/- 30° | 0,5 | 7,0 |
| DN 20 (3/4") | 23.6020.5.13 | 175 | 36 | 26,9 | 2,3 | +/- 10,0 | +/- 5,5 | +/- 30° | 0,5 | 7,0 |
| DN 25 (1") | 23.6020.5.15 | 185 | 42 | 33,7 | 2,6 | +/- 12,5 | +/- 6,5 | +/- 25° | 0,7 | 10,0 |
| DN 32 (1 1/4") | 23.6020.5.18 | 185 | 50 | 42,4 | 2,6 | +/- 12,5 | +/- 6,5 | +/- 28° | 1,1 | 14,5 |
| DN 40 (1 1/2") | 23.6020.5.19 | 190 | 60 | 48,3 | 2,6 | +/- 12,5 | +/- 6,0 | +/- 23° | 1,1 | 22,0 |
| DN 50 (2") | 23.6020.5.21 | 205 | 75 | 60,3 | 2,9 | +/- 15,0 | +/- 7,0 | +/- 22° | 1,0 | 34,0 |
| DN 65 (2 1/2") | 23.6020.5.24 | 230 | 90 | 76,1 | 2,9 | +/- 20,0 | +/- 8,5 | +/- 25° | 1,0 | 50,0 |
| DN 80 (3") | 23.6020.5.25 | 230 | 110 | 88,9 | 3,2 | +/- 22,5 | +/- 8,5 | +/- 23° | 0,9 | 74,5 |
| DN 100 (4") | 23.6020.5.27 | 230 | 133 | 114,3 | 3,6 | +/- 22,5 | +/- 7,0 | +/- 19° | 0,9 | 111,0 |
| DN 125 (5") | 23.6020.5.28 | 270 | 157 | 139,7 | 4,0 | +/- 22,5 | +/- 6,5 | +/- 16° | 0,7 | 159,0 |
| DN 150 (6") | 23.6020.5.29 | 270 | 190 | 168,3 | 4,5 | +/- 32,5 | +/- 8,0 | +/- 15° | 0,7 | 236,0 |
| DN 200 (8") | 23.6020.5.31 | 300 | 250 | 219,1 | 6,3 | +/- 32,5 | +/- 8,0 | +/- 14° | 0,7 | 419,0 |
| DN 250 (10") | 23.6020.5.33 | 300 | 300 | 273,0 | 6,3 | +/- 32,5 | +/- 6,5 | +/- 12° | 0,7 | 615,0 |

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