

Expansion Joints With Reinforcement Rings

DESCRIPTION

This model is used in cases of high internal pressures. The system involves the use of reinforcement rings located around the outside of the convolution thus preventing the bellows being forced out of shape due to the high pressures.

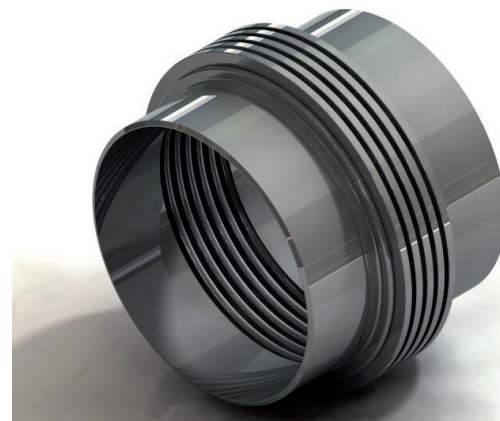
Equalizing and Reinforcing Rings are devices used on some expansion joints fitting snugly in the roots of the convolutions. The primary purpose of these devices is to reinforce the bellows against internal pressure. Equalizing rings are made of cast iron, carbon steel, stainless steel or other suitable alloys and are approximately "T" shaped in cross section.

Reinforcing rings are fabricated from tubing or solid round bars of carbon steel, stainless steel, or other suitable alloys.

Bellows including reinforcing or equalizing rings can be incorporated to any type of Expansion Joint (Axial, Lateral, Angular, etc.)

FEATURES

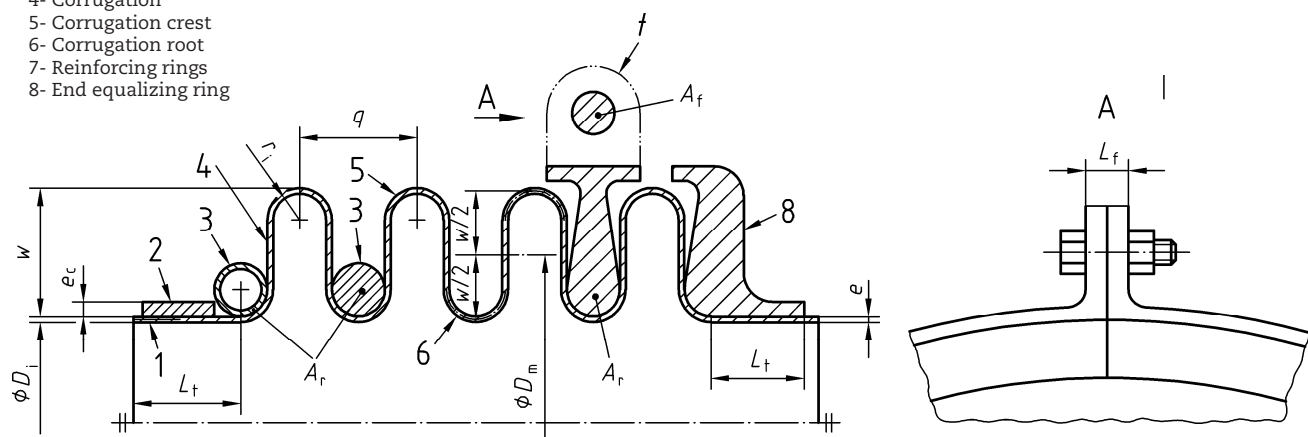
- Sizes from DN-50 up to DN-10000.
- The pressure capacity is improved by using reinforcing rings, which will support the root radius against collapse from internal pressure.
- Single ply or multiply construction.
- Materials: Austenitic Stainless Steels (304, 321, 316, 316L, 310, 309, etc.) Nickel Alloys (Inconel, Incoloy, Hastelloy, etc.) and Carbon Steel (P265GH, 16Mo3, 13 CrMo 44, etc.)
- One or more convolutions.



MRR
Expansion joint with reinforcement rings.

Key

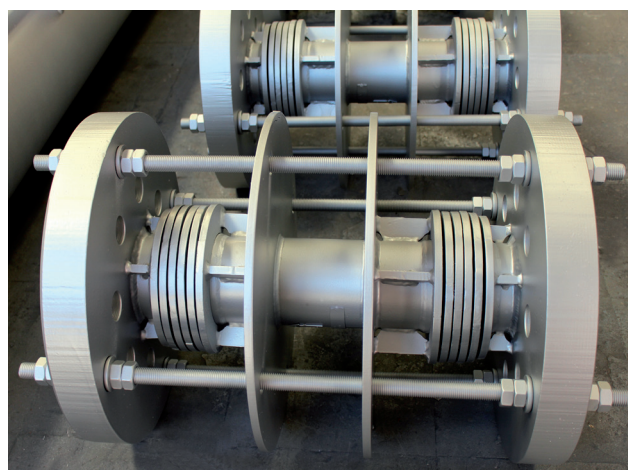
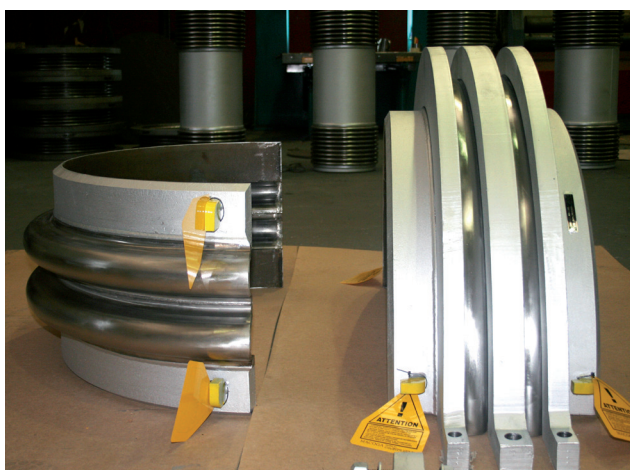
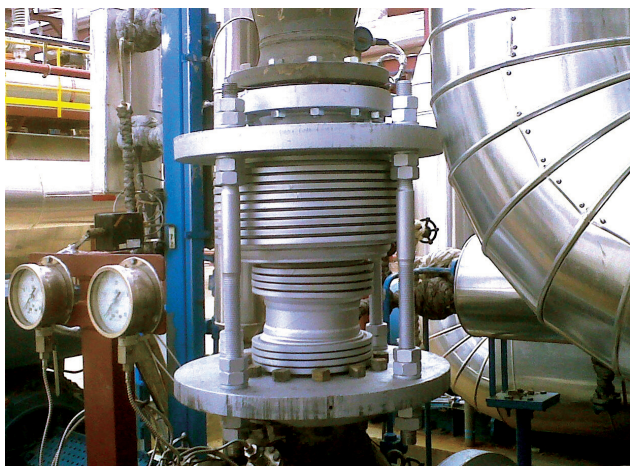
- 1- End tangent corrugation
- 2- Reinforcing collar
- 3- Equalizing ring
- 4- Corrugation
- 5- Corrugation crest
- 6- Corrugation root
- 7- Reinforcing rings
- 8- End equalizing ring



MRR Series

CAPFLEX MACOGA France

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