

# High pressure

## MRR series

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 convolu-

tions. The primary purpose of these devices is to reinforce the bellows against internal pressure.

Equalizing and reinforcing rings are made of carbon steel, stainless steel or other suitable alloys.

Reinforcing rings are usually "T" shaped in cross section and equalizing rings are generally 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.).



MRR

Expansion joint with reinforcement rings.

## Features

TYPE	SERIES					
High pressure	MRR					
<b>PRESSURE THRUST RESTRAINT</b>	<b>MOVEMENTS</b>		<b>MATERIALS</b>			
✘	Axial	✔				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  One or more convolutions
	Lateral	Single-plane	✔		Austenitic Stainless Steels 304, 321, 316, 316L, 310, 309...	
		Multi-plane	✔			
	Angular	Single-plane	✔		Carbon Steel P265GH, 16Mo3, 13CrMo 44...	
		Multi-plane	✔			

### Sample images

