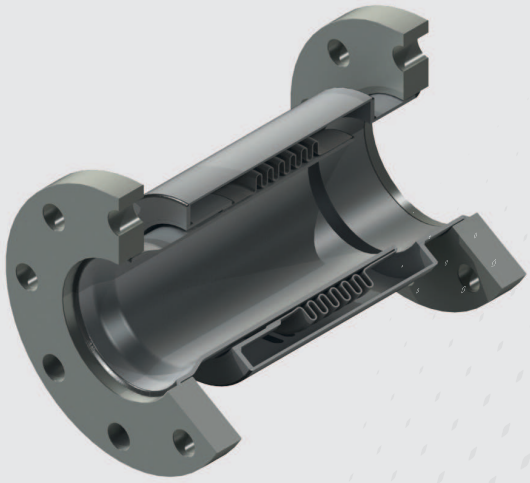
STAINLESS STEEL EXPANSION JOINT

EXTERNALLY PRESSURIZED

PRODUCT SHEET



> DESCRIPTION

Externally pressurized expansion joints are specifically designed for applications that require absorption of larger axial movements. It is constructed in a way that the pressure of the medium acts on the outside of the bellow which reduces column instability. Therefore longer bellows can be used which can absorb more movement than short bellows. The outside pipe also acts as a protection cover to prevent damage from the outside of the bellow.The inner pipe has the same advantages as a liner.These types of expansion joints are always designed to customer's specifications.

> KEY FEATURES

- Less column instability
- Large absorption of axial movement
- Single plane axial movement absorption

> MOVEMENT TABLE

Axial	Lateral		Angular	
X	Single plane	O	Single plane	O
	Multi-plane	O	Multi-plane	O

This table will indicate the possible movements for each type of expansion joint

X= suitable for movement
O= not suitable for movements

> MATERIAL PROPERTIES

Standard grade of bellow is AISI 316.
Flanges are standard made out of zinc plated steel for swivel flanges and carbon steel with corrosion protection for fixed flanges. On request stainless steel flanges are also available. Pipe-ends and bund rings are manufactured in AISI 316 grade.

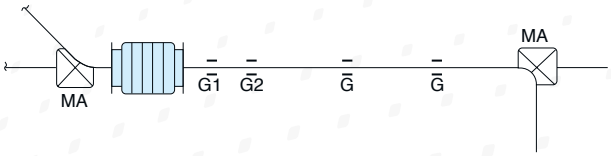
> STANDARD

The bellow is designed according to the most recent EJMA standards.
Assembly is done according to EN 14917 / ISO 15348. Assemblies are possible with welding ends (ASME B36.10), flanges according European standard
(EN 1092-1) or ANSI standard (ASME B16.5). Flanges according to JIS standard (JIS B2220) are also possible on request.

STAINLESS STEEL EXPANSION JOINT

EXTERNALLY PRESSURIZED

> TYPICAL APPLICATIONS



Absorption restricted to axial movement between two main anchors (MA).
In larger pipes the movement are also larger with same temperature variations. With same length of pipes at larger temperature variation of the movement will also be larger.

> POSSIBLE ACCESSORIES

- Limiters

All options are explained in detail on page 125-128