

STAINLESS STEEL EXPANSION JOINT

PINNED LATERAL EXPANSION JOINT

GENERAL PRODUCT SHEET

> DESCRIPTION

The pinned lateral expansion joint is a double standard lateral expansion joint equipped with a construction with two hinge points built around it. The hinge points are skew to the axis of the piping. Only lateral movements in a single plane are possible. All other movements are eliminated by this construction.

This configuration is assembled with fixed flanges. Pipe-end configurations can also be built.

An advantage of this configuration is that the forces of the pressure inside the bellow are retained by the hinge construction.



> KEY FEATURES

- Absorption of large lateral deflections in one plane
- No other movements possible
- Pressure thrust restrained

> MATERIAL PROPERTIES

Standard grade of bellow is AISI 316. Flanges are made out of standard 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. The additional construction of the threaded rods is possible in paint coated steel and stainless steel.

> MOVEMENT TABLE

Axial	Lateral		Angular	
O	Single plane	X	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

> 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 to European standard (EN 1092-1) or ANSI standard (ASME B16.5). Flanges according to JIS standard (JIS B2220) are also possible on request.

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> TYPICAL APPLICATIONS

This type of expansion joints is applied in specific systems which require a restriction of the movement to single plane lateral movements only.

> POSSIBLE ACCESSORIES

- Liner
- Heat protection sleeve

All options are explained in detail on page 125-128