



STAINLESS STEEL EXPANSION JOINT

JORD BELLOWS metallic expansion joint is manufactured according to EJMA Standard. It is installed in pipework and ducting system to prevent damage caused by thermal growth, vibration, pressure thrust and other mechanical forces. The products range from the simplest convoluted bellows element to highly complex refractory line standpipe used in petroleum refineries. The expansion joint fitted with Inner Sleeve for eliminating velocity and flow problem.

Size Range	: 50mm to 600mm (2" to 24")
Material	: Stainless Steel AISI 321
Connection	: Welding End, Flanged End to DIN, ANSI B16.5 and JIS standards
Working Temperature	: 400°C maximum
Working Pressure	: Up to 45 Bar

TYPES OF EXPANSION JOINT

SINGLE TIED EXPANSION JOINT

It contains single bellow element with tie rods. Used for absorbing small amounts of axial and lateral movement. Pressure thrust is restrained by the tie rods. Anchors required to absorb spring rate forces. Proper anchoring and guiding must be used.

UNIVERSAL TIED EXPANSION JOINT

It consists of two bellow elements separated by a pipe section or spool with tie rods. Used for absorbing large amounts of axial and lateral movement. Pressure thrust is restrained by the tie rods. Anchors required to absorb spring rate forces. Proper anchoring and guiding must be used.



SINGLE HINGE EXPANSION JOINT

It contains single bellow element with hinge or pivot. Used for absorbing small amounts of angular movement in a single plane. Pressure thrust is restrained by the hinges. Anchors only required to absorb spring forces. Must be used in pairs with another hinge. Proper anchoring and guiding must be used.

DOUBLE HINGE EXPANSION JOINT

It consists of two bellow elements separated by a pipe section or spool with hinge or pivot. Used for absorbing large amounts of lateral movement in a single plane. Pressure thrust is restrained by the hinges. Anchors only required to absorb spring forces. Proper anchoring and guiding must be used.

SINGLE GIMBAL EXPANSION JOINT

It contains single bellow element with two gimbals or pivots. Used for absorbing small amounts of angular movement in any plane. Pressure thrust is restrained by the hardware. Anchors only required to absorb spring forces. Must be used in pairs with another gimbal. Proper anchoring and guiding must be used.

DOUBLE HINGE EXPANSION JOINT

It consists of two bellow elements separated by a pipe section or spool with multiple gimbals or pivots. Used for absorbing large amounts of lateral movement in all planes. Pressure thrust is restrained by the hardware. Anchors only required to absorb spring forces. Proper anchoring and guiding must be used.



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