

TYPES OF KURBO METAL EXPANSION JOINT AND APPLICATION

Single Expansion Joint

Single expansion joint is the simplest form manufactured from single and multi-ply elements. It consists of bellows element with end connections. It is used for axial movement only in pipe configurations. However, it can also absorb small amounts of other two types of basic movements-lateral and angular. This type of expansion joint provides most economical solution in an installation where proper anchoring and guiding is feasible.



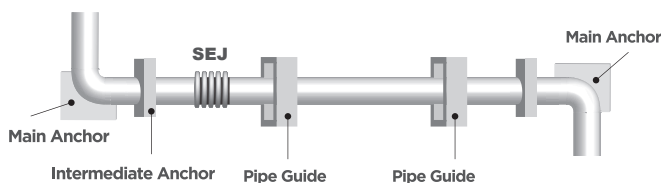
Features

- Absorbs all three types of movement
- Deflects in any direction
- No change in direction of flow
- Minimum installation space and easy to install
- The least expensive type of expansion joint
- Strong anchors require to control pressure thrust

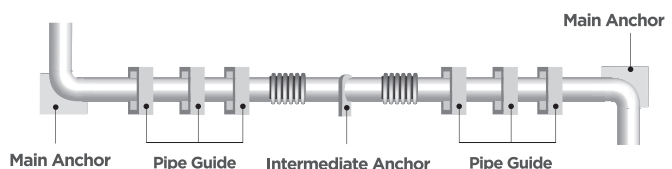
Untied Single Expansion Joint

This type of expansion joint, without any restraints or guides, cannot resist deflections other than those due to spring rate of the bellow elements. The piping should be adequately guided and anchored to avoid unexpected movements and proper functioning of the expansion joint.

Typical application of a single expansion joint is to absorb axial movements of straight pipe between main anchors.



When axial movement of the piping run exceeds the capability of single expansion joint, double expansion joint with intermediate anchor welded to a center spool may be used.



Tied Single Expansion Joint

It has all the characteristics of the untied expansion joint with addition of tie rods to restrain the pressure thrust and to restrict the movement of expansion joint

