

Stainless steel expansion joint, type LA (custom made)

Applications:

Lateral expansion joints from Amniflex are available in a variety of design, type LA1 and LA2 have tie rods allowing lateral movement between bolt and flange. The number of tie rods is depending on the diameter and pressure. Our standard lateral expansion joints with tie rods are available in a design with minimal two tie rods. No axial movements are allowed in the system.



Type's LA3 and LA4 have flat iron hinges which are fitted through the flanges and welded on the outside. A hinge which allows lateral movement is mounted on the fitting above the centre line of the bellows. Our standard lateral expansion joints with hinges are available in a design with double bellows. Common to both models is the fact that tie rods and hinges alike have the task of absorbing the loads arising from the operating pressure. Hinges prevent axial expansions. This means that a lateral expansion joint can only move sideways (laterally) in one or more planes, making it possible for those movements which are perpendicular to the longitudinal direction to be absorbed. Lateral expansion joints are therefore ideal for installation in pipe line systems with bends.

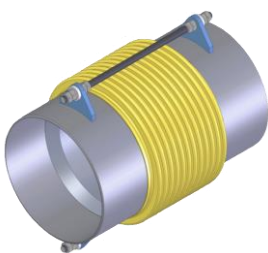
Lateral expansion joints from Amniflex

- only designed to absorb movements in lateral direction
- are not to be exposed to torsion
- only one lateral expansion joint between every two fixed points
- are available with flanges or welding ends
- design pressure: for standard type's: PN6, PN10, PN16 and PN25

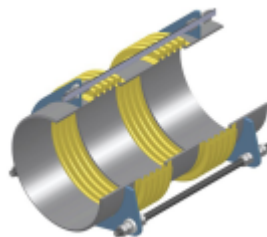
Guides

Guides must ensure that the pipe line is moving in only one controlled and predetermined direction.

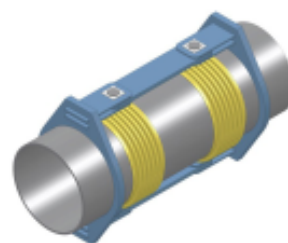
All stainless steel expansion joints, type LA1, LA2, LA3 and LA4, are custom made and thus all materials and/or welding ends, floating/fixed flanges, plate flanges, welding neck flanges etc. are upon request.



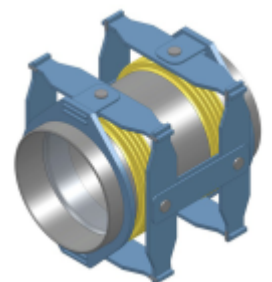
LA 1



LA 2



LA 3



LA 4

All information in this document is without any obligation, specifications subject to change without any notice.

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