

Stainless steel expansion joint, type AX (custom made)

Applications:

Axial expansion joints from Amnitec are available in type's AX1S, with welding ends, AX1F with plate flanges and AX1H with welding neck flanges.

Our standard axial expansion joints are to be installed with only one expansion joint between each fixed point. Pipeline systems where axial expansion joints are used must be protected against sideways bending. By fitting guides, sideways bending is not possible.



Axial expansion joints from Amnitec

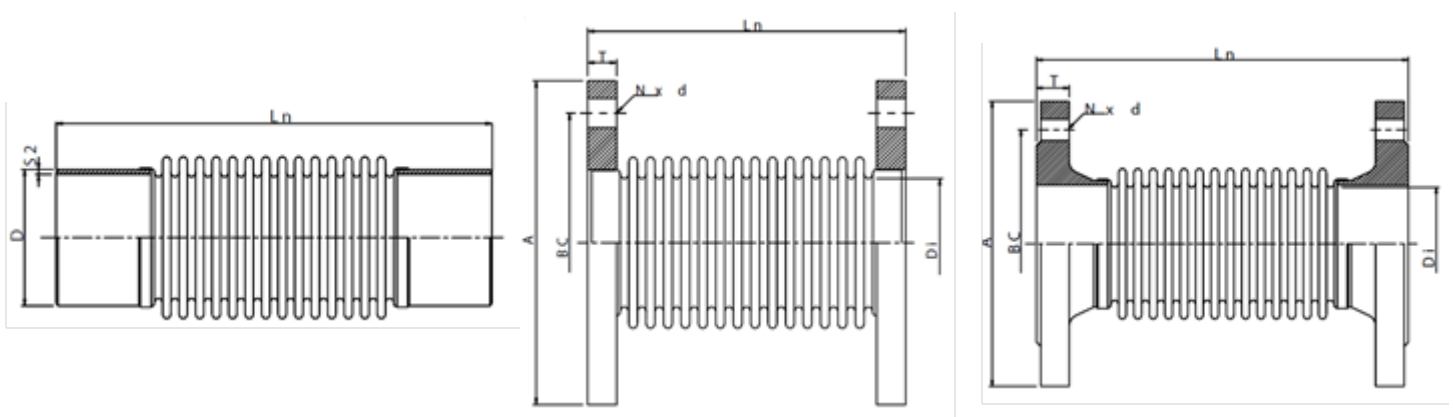
- only designed to absorb movements in axial direction
- is not to be exposed to torsion
- only one axial expansion joint between every two fixed points
- design pressure: for standard type's: PN6, PN10, PN16 and PN25

Fixed points

The pipeline, in which the expansion joint is mounted, must be fixed by fixed points which are strong enough to absorb the reaction forces produced by:

- the inside pressure (the product of the effective bellows cross-section, mm^2)
- the operating pressure (bar)
- the inherent resistance of the expansion joint (spring rate N/mm) x expansion (mm)

All stainless steel expansion joints, type AX1S, type AX1F and AX1H are tailor made and thus all materials and/or welding ends, floating/fixed flanges, plate flanges, welding neck flanges etc. are upon request.



Type: AX1S

Type: AX1F

Type: AX1H

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