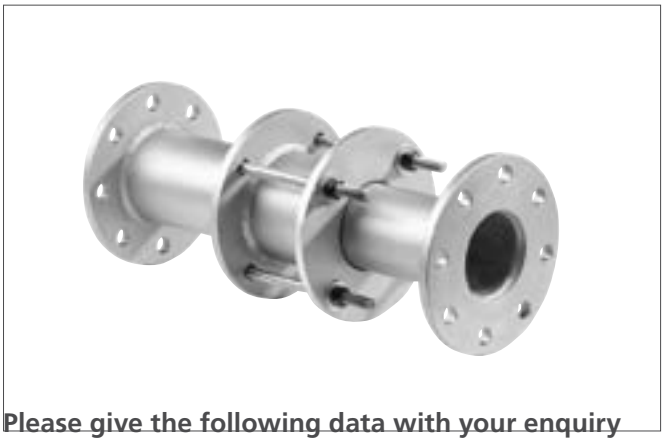
SLIDING JOINT TYPE

EXPANSION JOINT

Application

If a pipeline is subject to a change in length caused by a change in temperature of the surroundings, by the medium or if these changes are caused by other circumstances, such as sinking of the support, the Expansion Joint is the ideal tool to absorb forces caused by the change of length.



Technical concept

The Expansion Joint is a sliding type which is sealed by a long packing tube. The great advantage of this design is that one expansion joint is able to change its length up to 250 mm. Another advantage is that any type of packing can be used which allows the Expansion Joint to be engineered for any medium.

The Expansion Joint can be supplied in a nominal diameter of 50 mm up to 600 mm in AISI 304 stainless steel with standard a synthetic Teflon impregnated packing to minimise maintenance.

The Expansion Joint is available with flanges or pipe ends that are bevelled for welding also they can be ordered with a restriction device. Once fabricated the stainless steel expansion joint is stained and fully passivated, to obtain the highest possible degree ofcorrosion resistance.

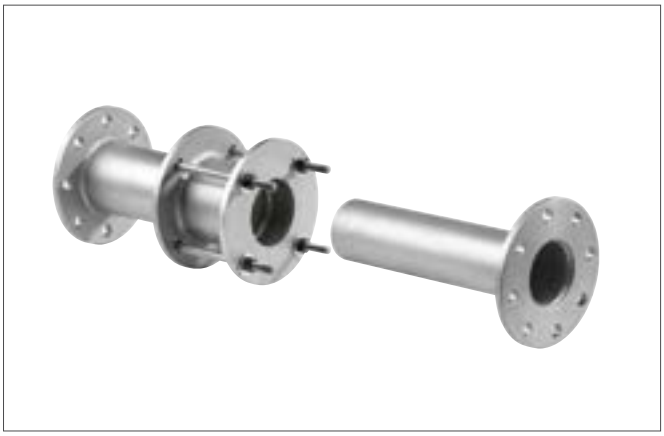
As the Expansion Joint is engineered for each application, requirements such as special lengths, alternative materials or special packing can be incorporated in the design.

Please give the following data with your enquiry

1. Application
    - 1.1 Medium
    - 1.2 Temperature
    - 1.3 Expected temperature change
    - 1.4 Change cycle
    - 1.5 Pressure
2. Pipe
    - 2.1 Outside diameter
    - 2.2 Pipe wall thickness
    - 2.3 Pipe material
3. Type of Expansion Joint
    - 3.1 Change in length to be absorbed
    - 3.2 Flanged or bevelled ends
    - 3.3 Whether a restriction is required
    - 3.4 Type of packingg
4. Drawing of the pipe installation and pipe support
5. Special requirements

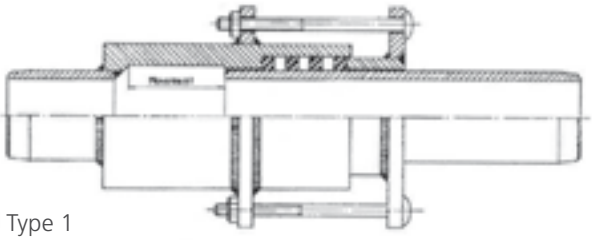
SLIDING JOINT

EXPANSION JOINT TYPE OVERVIEW



Type 1

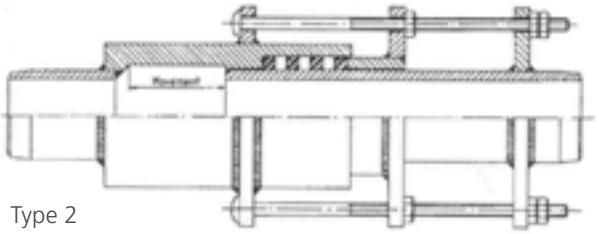
Type 1 is a single-end expansion joint allowing up to 250 mm of pipe displacement. The standard packing for all types consists of alternate resilient rings and PTFE lubricating rings.



Type 1

Type 2

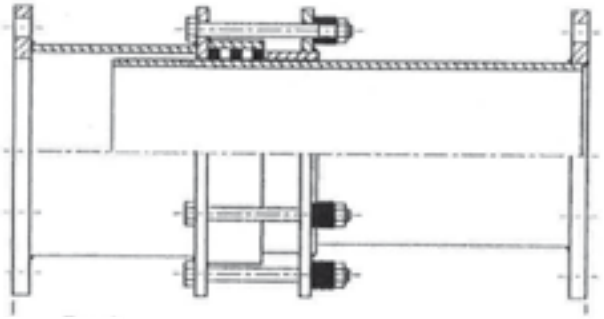
Type 2 is also a single-end expansion joint with a constrained displacement feature thus limiting the amount of pipe withdrawal. Slip pipes for type 2 expansion joints are supplied in the regular way.



Type 2

Type 3

Type 3 is a flanged-end expansion joint allowing up to 250 mm of pipe displacement. The standard packing for all types consists of alternate resilient sealing rings and PTFE lubricating rings.



Type 3

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