



Axial expansion joints

Efficient standard versions with multi-ply stainless steel joints in a wide range of sizes from DN 15 to 3000, with rotating flared flanges, fixed flanges or ends prepared for welding, in a multitude of different types: guide tubes, special materials, non-standard flange drilling templates.

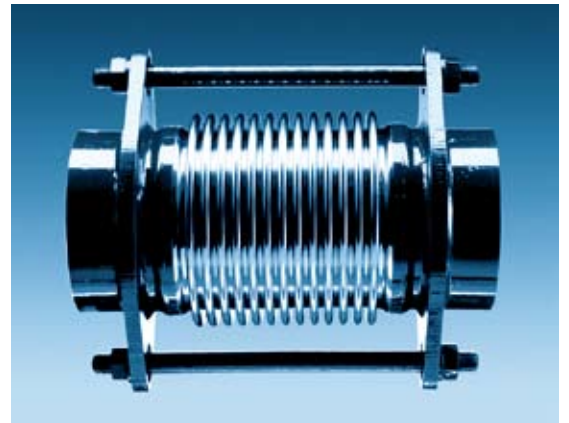
For simple, cost-effective expansion joints, provided the fixed point loads are not too large.



Articulated expansion joints

Standard series of angular and lateral expansion joints in various versions for use in two- and three-dimensional systems. Available in sizes up to DN 1000 and for higher pressures and large movements with favorable connecting forces and moments.

Flanges or ends prepared for welding. Patented anchorages guarantee the function and transfer the pressures safely. A comprehensive range of different types provides the optimum solution even for complicated pipework layouts.



Special versions

In addition to the standard series, we manufacture numerous special versions and special ranges with single- and multi-ply joints – round, oval or square. In sizes up to DN 12000, for the highest pressures and temperatures, and for every type of application in plant and pipeline construction.





Expansion joints for HVAC/building services

Standard series of axial expansion joints for steel, stainless steel and copper pipes. Sizes range from DN 15 to 250. With many different types of connection: screwed, flanged, threaded sockets, threaded nipples, ends prepared for welding. Guiding and protective tubes available as optional extras. Special versions for press-fit systems and plastic pipes. The optimum product range for all applications in water and heating circuits as well as gas installations.

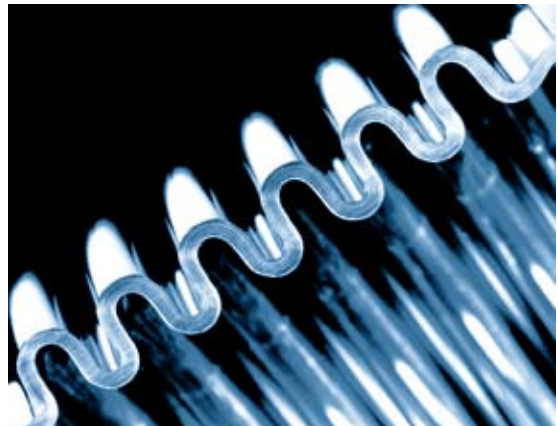


Principle: multi-ply walls

The wall construction accommodating the pressure is split up into several thinner individual layers. Flexibility and strength of the joints thus are considerably increased.

Further features: low displacement forces and maximum accommodation of movement coupled with minimum overall lengths and integrated leak monitoring.

Various materials can be combined depending on the application. For example, a particularly high-quality, corrosion-resistant material for the inner ply in contact with the medium.



Flexperte – the design software

Flexperte is a PC programme especially developed for engineers to help them design and draft expansion joints. It is menu-driven and very flexible in terms of selecting and calculating the metal joints for complicated pipework layouts. Regardless of whether nominal or operating conditions are used for the design, whether the expansion joint is for a pipeline or a tank connection, Flexperte leads to a faster and more reliable design process. For more information refer to www.flexperte.com.



Witzenmann GmbH

Östliche Karl-Friedrich-Str. 134
75175 Pforzheim
Phone: +49 - (0)7231 581 - 0
Fax: +49 - (0)7231 581 - 820
e-mail: wi@witzenmann.com
www.witzenmann.com