



EXPANSION JOINTS & METAL HOSES





WELD END

EXPANSION JOINTS

standard bellows material



304ss



carbon steel



FIXED FLANGED



 16_{barg}



standard bellows material



304ss

flange material

carbon steel



FLOATING FLANGED

pressure

EXPANSION JOINTS

EXPANSION JOINTS



 16_{barg}



standard bellows material



304ss

flange material



galvanized carbon

temperature



400_{°c}





EXTERNALLY PRESSURIZED

EXPANSION JOINTS

standard bellows



304ss

balance of materials



carbon steel



400 ℃



 40_{barg}



standard bellows



304ss

balance of materials



carbon steel



pressure

SEISMIC

EXPANSION JOINTS





RUBBER EXPANSION JOINTS

flange material



galvanized carbon steel





16_{barg}



CENTRAL HEATING SYSTEM PIPE

EXPANSION JOINTS



50_{mm}





 16_{barg}

FABRIC

EXPANSION JOINTS





high flexibility



low reaction force



vibration and noise elimination



850 €





316

fitting material



carbon steel

FAN-COIL

FLEXIBLE CONNECTORS

temperature



450 ℃



FLEXIBLE METAL HOSES





AISI316L



AISI304

fitting types

union, nipple, weld ended, flanged



Manufacturing of expansion joints





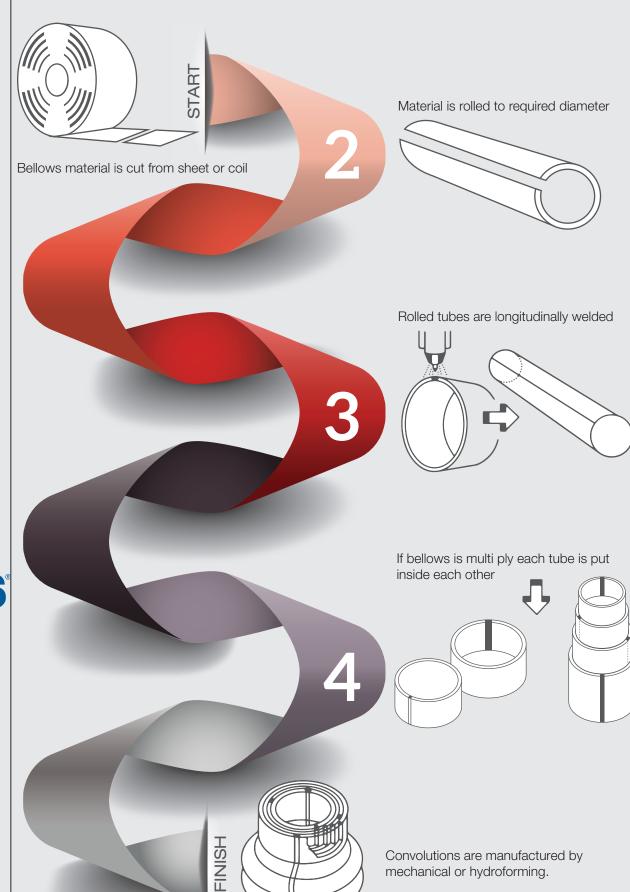


























Lens Expansion Joints

Dents and gouges create stress risers in thin ply bellows which result in fatigue cracks over time. Lens bellows have the advantage of holding up to mechanical damage better than thin wall bellows. Other advantages of lens bellows are:

- Weld repair can be performed by plant maintenance staff on thick walled bellows.
- Thicker wall of lens bellows holds up better to corrosion attacks
- Common use of carbon steel material
- Drain couplings can be added to the bottom of the convolution to prevent condensate build up

Thick walled, high convolution is durable and lasts for a long time.















Expansion Joints

Expansion joint is a device containing one or more flexible element used to absorb dimensional changes such as those caused by thermal expansion or contraction of a pipeline, duct or vessel.

Bellows type expansion joints require little to no maintenance and are capable of absorbing axial, lateral and angular types of movements in a compact space.

Since expansion joints are generally custom designed, they are highly specialized products. It is necessary to supply the expansion joint manufacturer with the necessary information for correct design. As a minimum the following information must be given: Diameter, design movements, pressure and temperature, materials of construction, connection type and length.



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