

# FABRIC

## Expansion Joints

Fabric expansion joints are extremely flexible and can be made from a variety of special woven fabrics coated or laminated with selected elastomers or fluoropolymers. Fabric expansion joints are used to insulate, to avoid mechanical loads and to protect against abrasion. They offer advantages for the pipe work designer as they can absorb movements simultaneously in several directions. Further, they have almost no reactive forces and require little space. Fabric expansion joints are easy to customise to suit existing operating conditions and are easy to transport and install. In comparison to metallic expansion joints fabric offers almost unlimited flexibility, giving the piping designer more options.

### Advantages

- » They can be designed and manufactured in various types in accordance with required operating conditions
- » High vibration and noise elimination
- » Compensation on thermal expansion
- » High flexibility
- » Working temperature up to 850°C
- » Minimum reaction force

### Applications

- » Chemical process plants
- » Cement manufacturing
- » Pulp and paper industry
- » Power stations
- » Refineries
- » Shipbuilding
- » Steel plants
- » Sugar plants
- » Gas turbine installations

### DESIGN VALUES

Design Pressure	up to 1 barg
Design Temperature	850°C



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**KLINGER Limited**

**AUSTRALIA**

Western Australia - Head Office  
38 McDowell Street  
Welshpool WA 6106

Queensland  
Unit 3, 5-7 Roseanna Street  
Gladstone QLD 4680

Tel: 1300 798 279  
(calls within Australia)

Tel: +61 8 92511688  
(calls outside Australia)

**NEW ZEALAND**

Tel: +64 272 735 045

**SINGAPORE**

105 Cecil Street #07-01, The Octagon  
Singapore 069534  
Tel: +65 6827 9045

**KLINGER Thailand**

501/2 Moo 2, Tambol Mabyangporn  
Amphur Ruak Daeng  
Rayong 21140 Thailand  
Tel: +66 3306 0154