

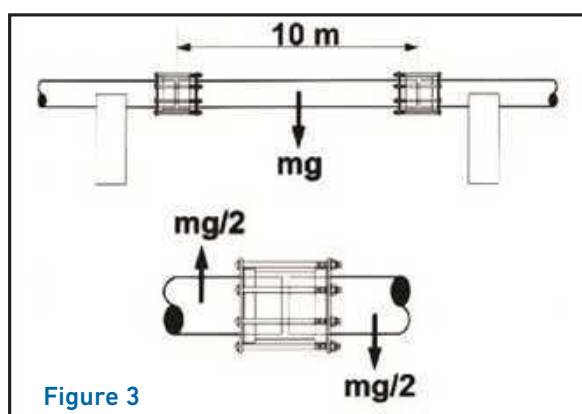
Temperature

The recommended maximum operating temperature for Klamflex products is 90°C when standard EPDM gaskets are used. Please contact Klamflex Pipe Couplings for higher operating temperatures. If temperature fluctuations occur further re-tightening of the bolts may be required.

For this reason, where maintenance free operation is required, Klamflex couplings are not recommended for central heating systems, which do not operate at constant temperatures.

Shear Strength

Couplings up to DN1500mm are normally capable of withstanding a shear force corresponding to the weight applied by a 10m length of coupled pipe that is full of water, i.e. a length of pipe suspended between two couplings. Rangers are not suitable for this duty and the pipe should be supported to prevent sagging.



Recommended Bolt Torque

Couplings up to 324mm OD M12 bolts - 65-80Nm (PN16).
Couplings over 324mm OD M16 bolts - 80-120Nm (PN16).
Torque ratings for GRP pipe connections are to be decided on after consultation with specific GRP pipe supplier, as each supplier develops pipe with its own specific glass filament configuration.

Pipe End Preparation

By its very nature, the KLAMFLEX coupling system relies upon surface contact of the sealing rings, and consideration must be given to pipe end preparation on pipes with naturally rough or uneven surface finish. Where surface dressing is required to remove weld bedding, care must be taken not to overdress the pipe end causing pitting or flat spots.

In general, the recommendations of SABS 719-1971 and BS 534-1990 section 15 ensures a satisfactory surface finish. Dimension 'L' is the length from the ends of the pipes which must be rounded where necessary to meet the tolerance required. It is also the amount of "Clearance" to permit coupling assembly, and applies equally for coupling sleeves with centre register, without centre register or with locating plug.

For distance 'L' the pipe must be free from any peaks, flats, depressions, roll marks, weld beads or any other such defects likely to affect the seal. See Figure 4.

Where it is necessary to slide the coupling completely onto one pipe end, the wrapping must be cut back on site for minimum distance "M". For closing connections, only coupling sleeves without register or with locating plugs may be used. See Figure 5.

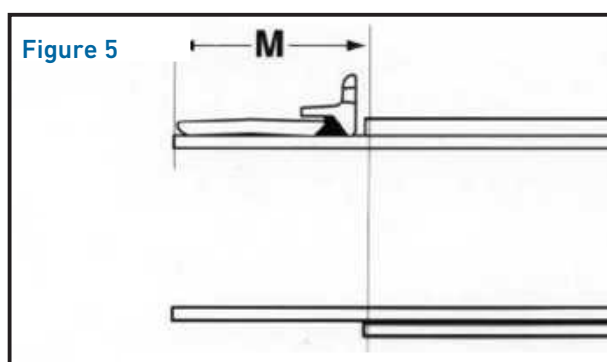
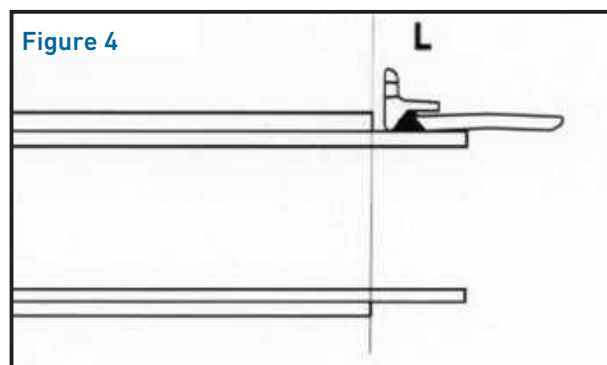


Table 1

DN (mm)	SLEEVE LENGTH	DISTANCE L FOR NORMAL COUPLING ASSEMBLY	DISTANCE M FOR CLOSING CONNECTIONS
≤326	102mm	100mm	152mm
>326 - ≤1150mm	178mm	150mm	254mm
>1200	356mm	300mm	500mm

Excellence in Flow

Visit our webpage to get in touch with your local specialist:

www.georgfischer.com/locations



The information and technical data (altogether "Data") herein are not binding, unless explicitly confirmed in writing.
The Data neither constitutes any expressed, implied or warranted characteristics, nor guaranteed properties or a guaranteed durability. All
Data is subject to modification. The General Terms and Conditions of Sale of Georg Fischer Piping Systems and VAG Klamflex apply.



VAG_BR_Klamflex_EN_01 (07.26)
© Georg Fischer, VAG Klamflex