



# Klinger 25

**High strength aramid yarns Klingerlock braided to produce a packing for sealing within extreme pumping applications – rotary or reciprocating.**

*Klinger 25 is one of the Klinger TopLine range of compression packings.*

*This is an optimised range introduced to provide users with gland sealing products that meet today's demanding services, offering effective and trouble-free sealing during application. To achieve this we have selected the best materials and the best production methods. The result is the Klinger TopLine range.*

*Ongoing test and development in line with the Klinger philosophy will ensure the continued improvement of the TopLine products.*

- *Klinger 25 is manufactured from aramid yarns, to which we add PTFE as a break-in lubricant. The Klingerlock braiding process is used.*
- *The combination of the high tensile strength of the aramid yarn and the Klingerlock construction ensures that Klinger 25 has excellent dimensional stability and is therefore resistant to extrusion even in high stress conditions faced in plunger pumps.*
- *The high strength of the yarn resists the abrasive effects of suspended solids within fluids and also the shear effect of cold viscous media.*
- *K25 is very temperature tolerant and can operate effectively within a wide range.*
- *Additionally the packing has good chemical resistance and is unaffected by the majority of chemical media (pH 2-12)*



aerospace  
sector  
certification  
scheme

BS EN 9100:2003, ISO 9001:2008  
Certificate no: FM 10571

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# TopLine Packing 25

## Service Capabilities

When used in equipment in good mechanical condition and installed using our product guidelines the undernoted values apply:

- Minimum operating Temperature **-100°C**
- Maximum operating temperature **280°C**
- Maximum steam temperature **280°C**
- pH **2-12**
- Maximum rotary pressure **30 bar**
- Maximum recip pressure **100 bar**
- Maximum running speed **20 m/s**

**Note:** The packing should not be subjected to the maximums of temperature, pressure and speed simultaneously, for further advice please contact our technical department.

## Forms of Supply

Klinger packings are offered in a range of standardised packages:

Size:  
**3mm to 25mm**

Length:  
**8 metres per box**

by weight:  
**sizes under 9.5mm 1kg/box**  
**9.5mm to 12.5mm 2kg/box**  
**sizes over 12.5mm 4kg/box**

Alternative lengths and weights can be offered upon request, please contact Klinger for further details.

**Klinger 25 is suitable for use as a general valve and pump packing within many industries, for example;**

- Pulp & Paper Mills
- Mines & Quarries
- Sewage Works
- Steel Works
- Refineries
- Cement Works

## Technical Advice

If you require additional technical information or would like Klinger to advise you on a particular application, then contact our Technical Department at the address shown.

It is advantageous to provide the following details:

1. Type of valve or pump
2. Working and test pressure
3. Temperature - steady or cycling
4. Rate of pressure & temperature increase
5. Medium and concentration
6. Operating speed
7. Special requirements
8. Details of stuffing box design