

FREUDENBERG

Rod guide ring Merkel® Guivex SBK

DESCRIPTION

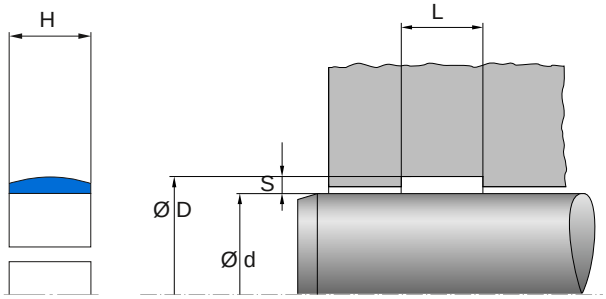
- Convex geometry in direction of the groove base

FUNCTION

- For installation spaces in accordance with ISO 10766, among others
- Guiding of piston rods
- Reduces the danger of metallic contact
- High load capacity
- Convex geometry distributes lateral load evenly over the width of the guide

APPLICATIONS

- Earthmoving equipment
- Industrial trucks
- Industrial presses
- Tail lifts
- Agricultural machinery
- Lorry loading cranes
- Injection moulding machines
- Hydraulic steel structures
- Support cylinders



PRODUCT ADVANTAGES

- High load capacity
- Simple snap-on assembly
- Market-leading, proprietary design with the widest range of applications in all industries and for a variety of requirements
- Improved intake of lubricants due to optimized stress distribution in the contact zone between guide and mating surface
- Highest quality, durability and safety
- Best results in total cost of ownership

CONFORMITY AND CERTIFICATES

- Please consult the material data sheet valid for the respective material for current information on approvals and certificates, as this information depends on the compound and cannot be listed exhaustively here.

DESIGN GUIDELINE

- Please follow the QR code or hyperlink to the technical manual to obtain further information and instructions.

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INSTALLATION GUIDELINE

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STORAGE ADVISE

- Storage temperature <25°C
- No direct heat sources
- No direct sunlight
- No condensation in the storage room
- No exposure to ozone or ionizing radiation
- Recommendations based on the revision of ISO 2230 dated 16.09.1992

Temperature [°C]

Medium	HG517	HG650
Hydraulic oils HL, HLP	-40...120	-40...120
HFA fluids	5...60	5...60
HFB fluids	5...60	5...60
HFC fluids	-40...60	-40...60
HFD fluids	-40...120	-40...120
Water	5...60	5...60
HETG (rapeseed oil)	-40...80	-40...80
HEES (synthetic esters)	-40...100	-40...100

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Temperature [°C]

Medium	HG517	HG650
HEPG (polyglycols)	-40...80	-40...80
Mineral greases	-40...120	-40...120

The values given are based on a limited number of tests on standard test specimens (2 mm sample plates) from laboratory production. The data determined from finished parts may deviate from the above values depending on the manufacturing process and the part geometry.

The information provided herein is based on laboratory tests and on data sources deemed reliable. It constitutes general, non-binding guideline values and does not represent any guarantee of specific properties or suitability for a particular purpose. The suitability of a product for a specific application depends on the actual operating conditions and a variety of factors. Full testing and performance evaluation of the final product are the responsibility of the user. Freudenberg FST GmbH | www.fst.com