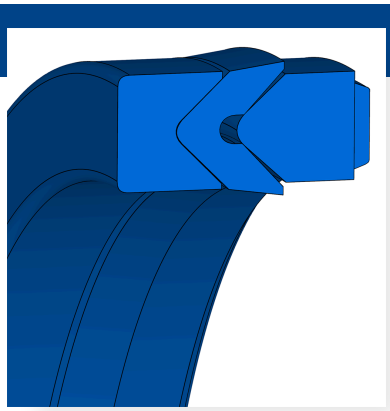


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Chevron type seal set Merkel® EK

DESCRIPTION

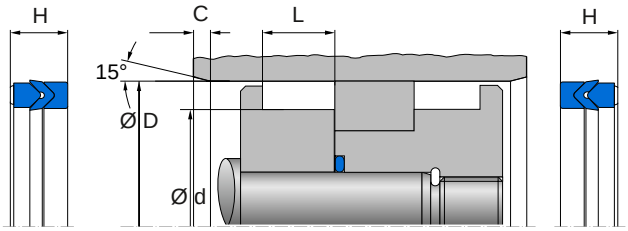
- One to two cuffs
- Combined with pressure and support ring
- Installation in axially open installation space with cover

FUNCTION

- Sealing of pistons
- For pressure loads on both sides, assembly of two seal sets in back-to-back arrangement
- Sealing effect due to axial preload in the installation space

PRODUCT ADVANTAGES

- Low requirements on surface quality of the mating surface
- Market-leading, proprietary design with the widest range of applications in all industries and for a variety of requirements
- Long service life
- Highest quality, durability and safety
- Best results in total cost of ownership



APPLICATIONS

- Iron and steel industry
- Industrial presses
- Marine hydraulics
- Scrap shears
- Special cylinders
- Injection moulding machines
- Hydraulic steel structures

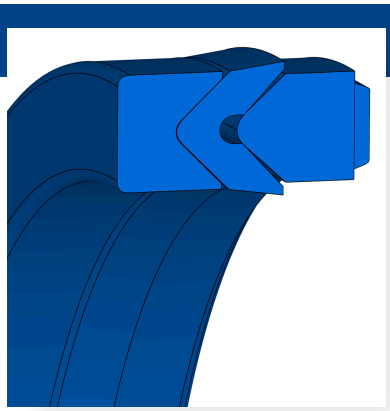
CONFORMITY AND CERTIFICATES

- 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

- Sharp edges deburred or chamfered or rounded
- Please follow the QR code or hyperlink to the technical manual to obtain further information and instructions.

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INSTALLATION GUIDELINE

- No machining residues, chips, dirt, etc.
- Do not pull the seal over sharp edges, threads, or keyways during installation; cover with an installation sleeve if necessary
- Please follow the QR code or hyperlink to the technical manual to obtain further information and instructions.

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

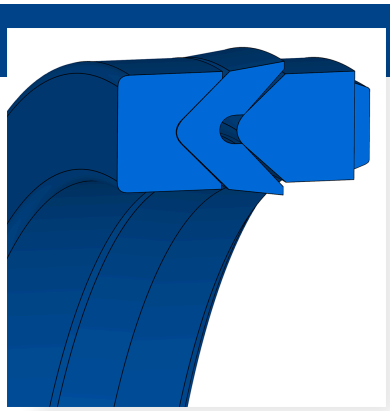
Pressure [MPa]

BI NBR
40

Sliding speed [m/s]

BI NBR
0.5

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Temperature [°C]

Medium	BI NBR
Hydraulic oils HL, HLP	-30...100
HFA fluids	5...60
HFB fluids	5...60
HFC fluids	-30...60
HFD fluids	
Water	5...100
HETG (rapeseed oil)	-30...80
HEES (synthetic esters)	-30...80
HEPG (polyglycols)	-30...60
Mineral greases	-30...100

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

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