

FREUDENBERG

Double wiper Merkel® P9

DESCRIPTION

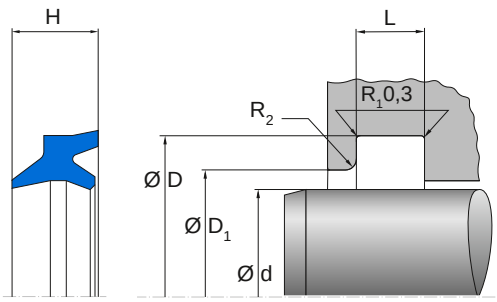
- Protruding wiper lip

FUNCTION

- Wiping off impurities on the piston rod during the retraction movement
- Reduction of residual oil film due to second lip

PRODUCT ADVANTAGES

- Very good sealing effect against residual oil film on the extending rod
- Very good wiping ability against dirt
- Market-leading, proprietary design with the widest range of applications in all industries and for a variety of requirements
- Highest quality, durability and safety
- Best results in total cost of ownership



APPLICATIONS

- Large standard cylinders
- Industrial presses
- Mobile hydraulics
- Injection moulding machines

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.

INSTALLATION GUIDELINE

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

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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

Sliding speed [m/s]

85 NBR B247
1

Temperature [°C]

Medium	85 NBR B247
Hydraulic oils HL, HLP	-30...100
HFA fluids	5...60
HFB fluids	5...60
HFC fluids	-30...60
HFD fluids	(a)
Water	5...100
HETG (rapeseed oil)	-30...80
HEES (synthetic esters)	-30...80
HEPG (polyglycols)	-30...60
Mineral greases	-30...100

a = not resistant

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.

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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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