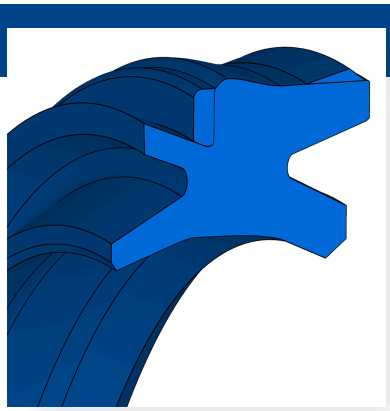


FREUDENBERG

Double wiper PRW1

DESCRIPTION

- Double-acting
- Protruding wiper lip
- Cut sealing lip
- Special sealing and wiper edge geometry
- Static sealing lip

FUNCTION

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

APPLICATIONS

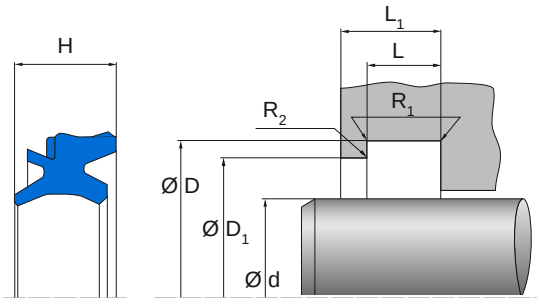
- Earthmoving equipment
- Industrial trucks
- Tail lifts
- Agricultural machinery
- Lorry loading cranes
- Support cylinders

PRODUCT ADVANTAGES

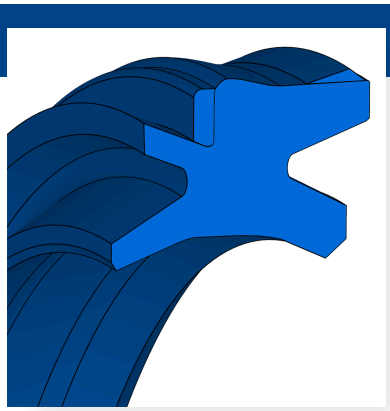
- Optimized sealing effect due to dynamic sealing lip with stitched sealing edge
- High level of protection against ingress of dirt and water
- Very good wiping ability against dirt
- Market-leading, proprietary design with the widest range of applications in all industries and for a variety of requirements
- No pressure build-up between seal and wiper (integrated pressure release)
- Very high wear resistance
- Highest quality, durability and safety
- Best results in total cost of ownership
- Very long service life

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.



FREUDENBERG
SEALING TECHNOLOGIES



FREUDENBERG

Double wiper PRW1

DESIGN GUIDELINE

- The installation space shall be designed in accordance with ISO 6195, Type A.
- Please follow the QR code or hyperlink to the technical manual to obtain further information and instructions.

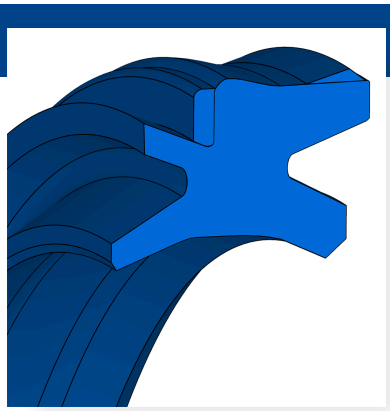
INSTALLATION GUIDELINE

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

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]
1



FREUDENBERG

Double wiper PRW1

Temperature [°C]

Medium	92 AU 21100	94 AU 925
Hydraulic oils HL, HLP	-40...100	-30...110
HFA fluids	5...50	5...50
HFB fluids	5...50	5...50
HFC fluids	-40...40	-30...40
HFD fluids		
Water	5...40	5...40
HETG (rapeseed oil)	40...60	-30...60
HEES (synthetic esters)	-40...80	-30...60
HEPG (polyglycols)	-40...40	-30...40
Mineral greases	-40...100	-30...110

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

FREUDENBERG
SEALING TECHNOLOGIES