



DICHTOMATIK

Piston guide ring FRK05

DESCRIPTION

- Chamfered on both sides
- Slotted
- Textured surface

FUNCTION

- Dissipation of transverse forces
- Guiding of pistons
- Reduces the danger of metallic contact
- Ensures concentricity within the cylinder
- Lubricant depot due to surface structure

PRODUCT ADVANTAGES

- Simple snap-on assembly
- Reliable design with broad application spectrum for moderately demanding applications in general industry
- Minimized stick-slip effect
- Good price/performance ratio
- Extended cylinder life
- Manufactured by certified external suppliers
- Use at high surface pressures

APPLICATIONS

- Mobile hydraulics
- Heavy hydraulics

CONFORMITY AND CERTIFICATES

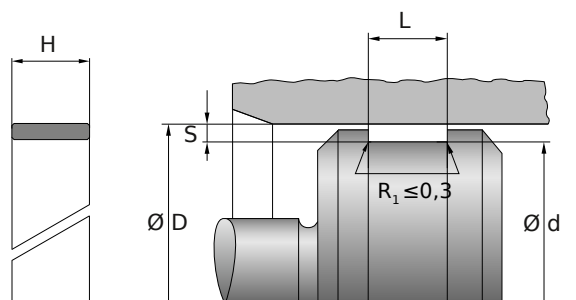
- Please consult the material data sheet valid for the respective material for current information on approvals and certificates, as this information depends on the compound and cannot be listed exhaustively here.

DESIGN GUIDELINE

- Installation space cleaned and free of deposits or old packing rings
- Please refer to the technical manual for design guidelines.
- Surface roughness of the groove flanks $R_a \leq 3 \mu\text{m}$
- With pulsating pressures, hardness of the o-ring should not be less than 80 Shore A
- Surface roughness of mating surface $R_a \leq 0,4 \mu\text{m}$

INSTALLATION GUIDELINE

- Installation in a closed, cut groove
- Assembly is supported by chamfers on both sides
- Simple installation of the slotted guide rings



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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]

PTFE
$x \leq 1$

Temperature [°C]

PTFE
-50...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