



Rod seal S72

DESCRIPTION

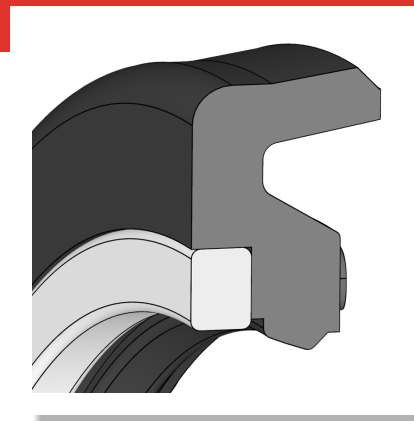
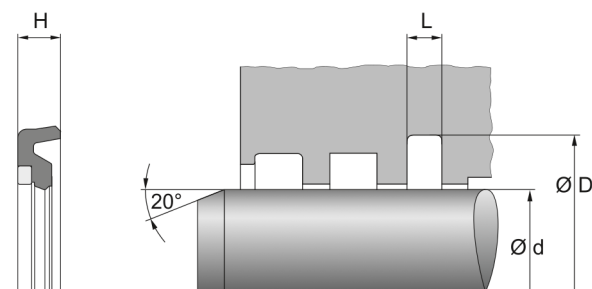
- Asymmetrical
- Single acting
- Inner main lip
- Support ring
- Tight fit on the outer diameter
- Material base element: TPU
- Support ring material: POM

FUNCTION

- Sealing of piston rods
- Use with one-sided pressure load
- Support ring as gap closure element prevents gap extrusion

PRODUCT ADVANTAGES

- High wear resistance
- Pressure relief possible through sealing lip
- Rapid pressure build-up (nubs on end faces)
- High extrusion reliability
- Direct media backflow due to dimples on rear side
- Reliable design with broad application spectrum for moderately demanding applications in general industry



- Good price/performance ratio
- Manufactured by certified external suppliers

APPLICATIONS

- Mobile hydraulics
- Use as a damping ring

APPLICATION LIMITS

- Temperature [°C]: -30 to 100
- Gliding speed [m/s]: max. 0,5
- Pressure [Mpa]: max. 40
- The values given here are maximum values and may not all be reached at the same time.

MEDIA RESISTANCE

- Hydraulic oils according to DIN 51524 part 1-3
- Lubricating oils
- Lubricating greases based on minor oils
- Flame-retardant hydraulic fluids HFA, HFB, HFC according to VCMA 24317

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.

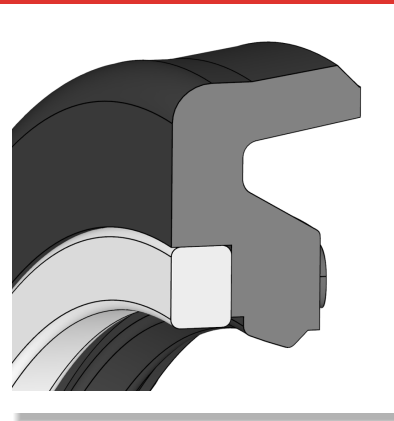
DESIGN GUIDELINE

- Cylinder housing and piston rod/piston must be chamfered to prevent damage
- Length and angle of the installation chamfers must be in accordance with installation space drawing
- Surface roughness of groove flanks $R_a \leq 3 \mu\text{m}$
- Surface roughness of groove base $R_a \leq 1,8 \mu\text{m}$
- Surface roughness of mating surface $R_a \leq 0,4 \mu\text{m}$



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INSTALLATION GUIDELINE

- Semi-open or closed installation spaces possible for a limited dimensional range
- Axially accessible installation space required for small diameters
- Deburr sharp edges, provide with seamless chamfers and radii
- Clean the installation space carefully before installation, remove dust, dirt, metal chips, etc.
- Do not pull the seal over sharp edges, threaded tips or cavities (feather key grooves) during installation, cover with a mounting sleeve if necessary
- Heating the seal in oil at 80°C makes the sealing material more elastic and the seal is easier to install
- Grease mounting surfaces and seal
- Oil or grease the piston rod before installation

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

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