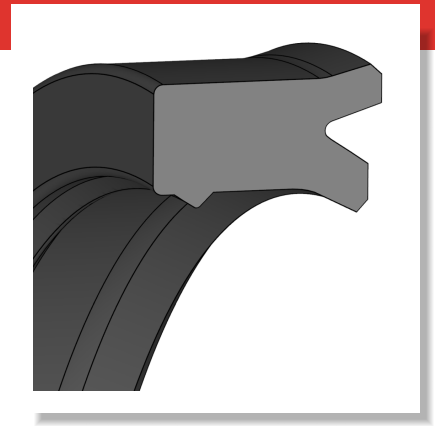




U-ring SNI39



DESCRIPTION

- Asymmetrical
- Single acting
- Shortened inner lip
- recessed sealing lip
- Additional support and sealing edge
- Tight fit on the outer diameter
- Material: TPU

FUNCTION

- Sealing of piston rods
- Use as a single seal
- Use with one-sided pressure load
- Pressure build-up increases sealing effect
- Additional support and sealing edge protects against penetration of dirt
- Low recirculation capacity

PRODUCT ADVANTAGES

- Good static and dynamic sealing effect
- High wear resistance
- Simple snap-on assembly

- 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
- Construction machinery

APPLICATION LIMITS

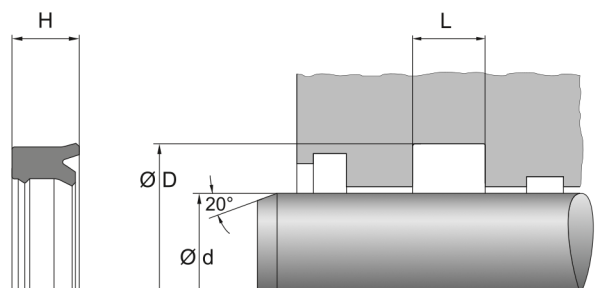
- Temperature [°C]: -40 to 100
- Gliding speed [m/s]: max. 0,5
- Pressure [Mpa]: max. 40
- The values given here are maximum values and may not all be reached at the same time.

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

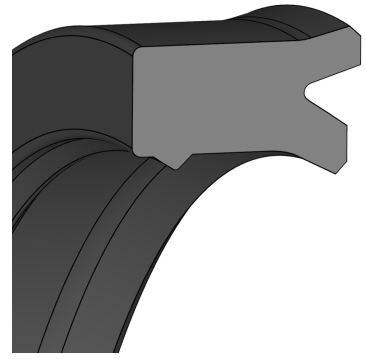
CONFORMITY AND CERTIFICATES

- 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 and cannot be listed exhaustively here.





U-ring SNI39



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 $R_a \leq 0,4 \mu\text{m}$

INSTALLATION GUIDELINE

- Installation in a closed, cut groove
- Installation in axially open or in closed, cut groove
- Semi-open or closed installation spaces possible for a limited dimensional range
- 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
- Oil or grease the piston rod before installation
- Grease the piston seal before fitting the cylinder

STORAGE ADVISE

- Storage temperature $< 25^\circ\text{C}$
- 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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