



Compact seal KK 22

DESCRIPTION

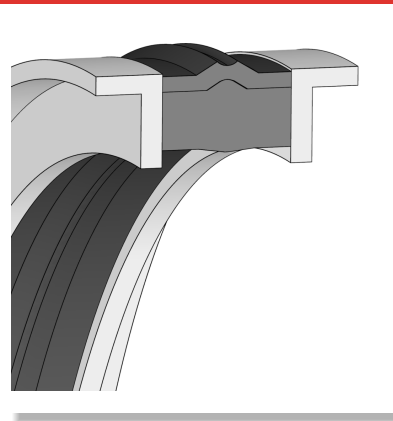
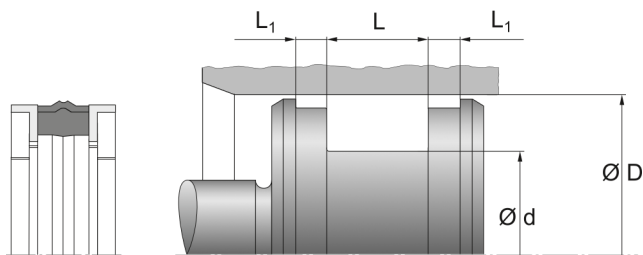
- Symmetrical
- Double-acting
- Angle bushings
- Tight fit on inner diameter
- Fabric reinforcement on running surface over sealing edge
- Sealing material: NBR
- Material guide ring: PA

FUNCTION

- Sealing of pistons
- For pressure load from both sides
- Angle bushings serve as integrated guide elements
- Fabric portion reduces friction

PRODUCT ADVANTAGES

- Low friction
- High wear resistance
- High resistance to torsion in the installation space
- High extrusion reliability
- Reliable design with broad application spectrum for moderately demanding applications in general industry



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

APPLICATIONS

- Hydraulics
- Standard cylinders

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

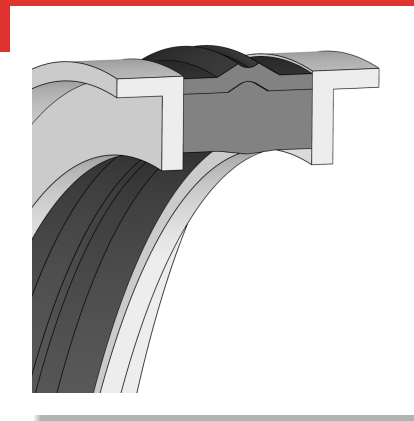
CONFORMITY AND CERTIFICATES

- 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 $Ra \leq 3 \mu m$
- Surface roughness of groove base $Ra \leq 1,8 \mu m$
- Surface roughness of mating surface $Ra \leq 0,3 \mu m$





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INSTALLATION GUIDELINE

- Installation in a closed, cut groove
- 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 the piston seal before fitting the cylinder
- Simple installation of the slotted guide rings

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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