



Compact seal KK 03

DESCRIPTION

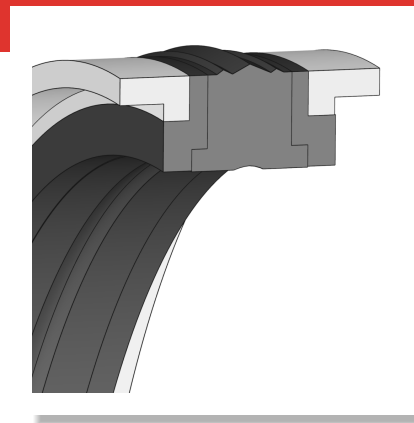
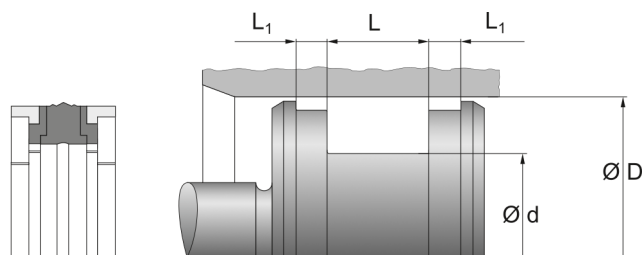
- Symmetrical
- Double-acting
- Five-piece
- Support rings
- Angle bushings
- Tight fit on inner diameter
- Sealing material: NBR
- Support ring material: TPE-E
- Material guide ring: POM

FUNCTION

- Sealing of pistons
- For pressure load from both sides
- Support ring as gap closure element prevents gap extrusion
- Angle bushings serve as integrated guide elements

PRODUCT ADVANTAGES

- 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

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 and cannot be listed exhaustively here.

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

 DICHTOMATIK

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- 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 $Ra \leq 0,3 \mu m$

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 $80^{\circ}C$ makes the sealing material more elastic and the seal is easier to install
- Grease the piston seal before fitting the cylinder

STORAGE ADVISE

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