



## U-ring N05

### DESCRIPTION

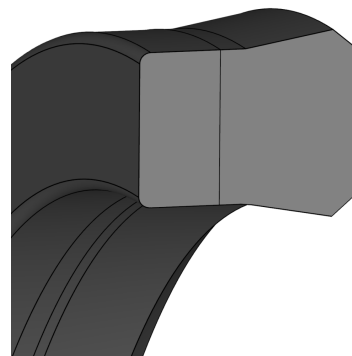
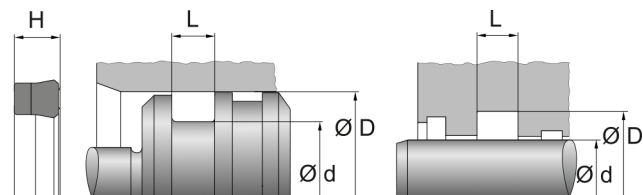
- Compact design
- Symmetrical
- Single acting
- recessed sealing lip
- Seal back reinforced with fabric
- Sealing material: NBR
- Material on back of seal: Cotton fabric / NBR

### FUNCTION

- Symmetrical profile enables use as piston and rod seal
- Use with one-sided pressure load
- Fabric portion prevents gap extrusion
- Fabric portion reduces friction

### PRODUCT ADVANTAGES

- Excellent sealing effect even in the low-pressure range
- Simple snap-on assembly
- High extrusion reliability
- Wide range of applications
- 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. 20
- 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

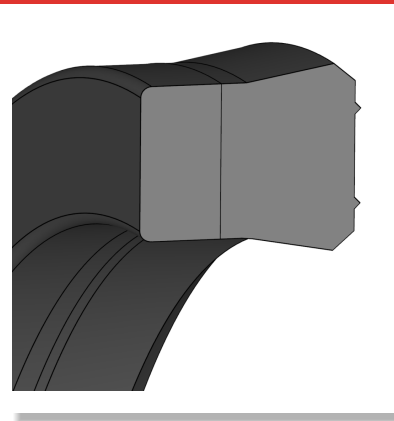
- Please consult the material data sheet valid for the respective material for current information on approvals and certificates, as this information depends on the compound.

### 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  $Ra \leq 0,4 \mu m$

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### INSTALLATION GUIDELINE

- Installation in axially open 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
- The space between the sealing lips can be filled with approx. 40 % grease

### 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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