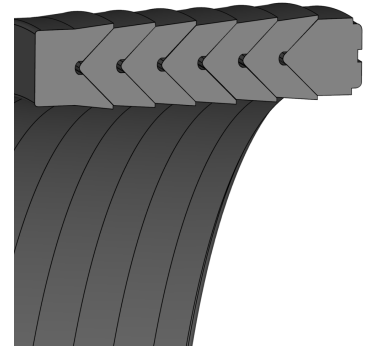




## Chevron type seal set SDS01 3/2



### DESCRIPTION

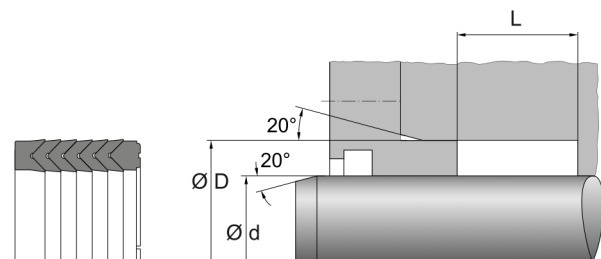
- 3/2 Combination of fabric and elastomer ring
- Single acting
- Material base element: NBR
- Support ring material: POM
- Pressure ring material: Cotton fabric / NBR

### FUNCTION

- Sealing of piston rods
- Use with pressure load on one side, in case of pressure load on both sides assembly of two sealing sets in back-to-back arrangement
- Sealing effect due to pressure ring and sleeves that are clamped and preloaded in the axially accessible installation space between the pressure ring and backup ring

### PRODUCT ADVANTAGES

- Proven under extreme conditions
- Robust design
- Temporarily low requirements on surface quality of mating surface
- Long service life
- Reliable design with broad application spectrum for moderately demanding applications in general industry



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

### APPLICATIONS

- Suitable for extreme operating conditions

### 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

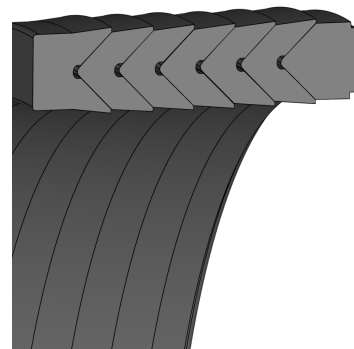
- Please consult the material data sheet valid for the respective material for current information on approvals and certificates, as this information depends on the compound and cannot be listed exhaustively here.

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



## Chevron type seal set SDS01 3/2



### INSTALLATION GUIDELINE

- Installation in axially open groove
- The rings are inserted individually
- No upsetting of the chevron ring set, i.e. L dimension and H dimension must be the same

### 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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