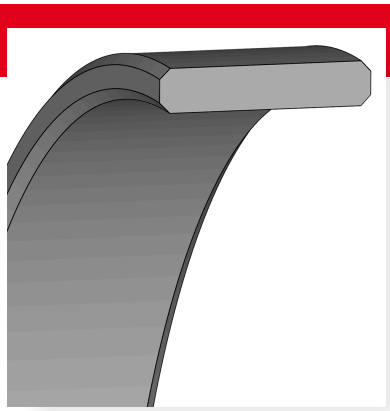


DICHTOMATIK

Guide band GS01

DESCRIPTION

- Chamfered on both sides
- Textured surface

FUNCTION

- Dissipation of transverse forces
- Guiding of pistons
- Guiding of piston rods
- Reduces the danger of metallic contact
- Ensures concentricity within the cylinder
- Lubricant depot due to surface structure

APPLICATIONS

- Hydraulics
- Standard cylinders

CONFORMITY AND CERTIFICATES

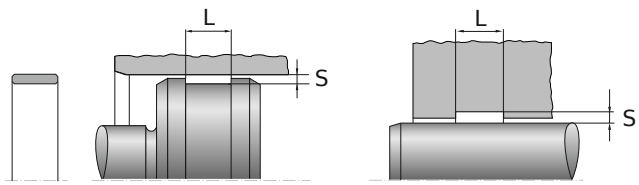
- Please consult the material data sheet valid for the respective material for current information on approvals and certificates, as this information depends on the compound and cannot be listed exhaustively here.

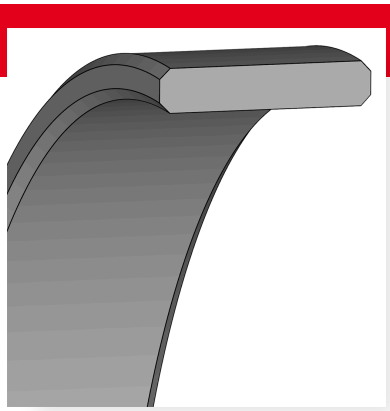
PRODUCT ADVANTAGES

- High chemical resistance
- Low friction
- Simple assembly
- Simple snap-on assembly
- Reliable design with broad application spectrum for moderately demanding applications in general industry
- Minimized stick-slip effect
- Good price/performance ratio
- Lubricant depot (due to surface structure)
- Extended cylinder life
- Manufactured by certified external suppliers

DESIGN GUIDELINE

- Installation space cleaned and free of deposits or old packing rings
- Please refer to the technical manual for design guidelines.
- Surface roughness of the groove flanks Ra ≤ 3 µm
- With pulsating pressures, hardness of the o-ring should not be less than 80 Shore A
- Surface roughness of mating surface Ra ≤ 0,4 µm





DICHTOMATIK

Guide band GS01

INSTALLATION GUIDELINE

- Guide band is manufactured in rolls and cut to the required length
- Installation in a closed, cut groove
- Length dimension for guiding a piston rod = 3.11 x (d + S) -1.0 | Length dimension for guiding a piston = 3.11 x (D - S) - 1.0 | These formulas already include the coefficient of thermal expansion and the gap dimension for the joint

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

Sliding speed [m/s]

PTFE
x ≤ 15

Temperature [°C]

PTFE
-60...200

The values given are based on a limited number of tests on standard test specimens (2 mm sample plates) from laboratory production. The data determined from finished parts may deviate from the above values depending on the manufacturing process and the part geometry.