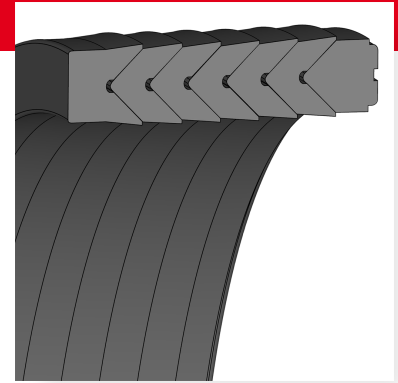




Chevron type seal set SDS01 3/2

DESCRIPTION

- 3/2 Combination of fabric and elastomer ring
- Single acting

FUNCTION

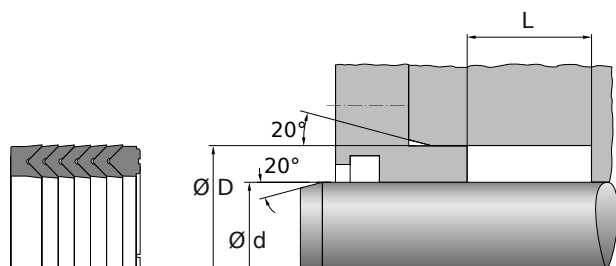
- Sealing of piston rods
- Use with pressure load on one side, in case of pressure load on both sides assembly of two sealing sets in back-to-back arrangement
- Sealing effect due to pressure ring and sleeves that are clamped and preloaded in the axially accessible installation space between the pressure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

APPLICATIONS

- Suitable for extreme operating conditions

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

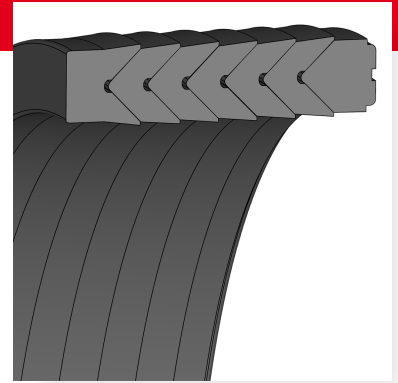
- Proven under extreme conditions
- Robust design
- Reliable design with broad application spectrum for moderately demanding applications in general industry
- Long service life
- Good price/performance ratio
- Temporarily low requirements on surface quality of mating surface
- Manufactured by certified 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 $Ra \leq 3 \mu m$
- With pulsating pressures, hardness of the o-ring should not be less than 80 Shore A
- Counterface surface roughness $Ra \leq 2 \mu m$

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



Chevron type seal set SDS01 3/2

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

Pressure [MPa]

NBR

40

Sliding speed [m/s]

NBR

0.5

Temperature [°C]

NBR

-30...100

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.

The information provided herein is based on laboratory tests and on data sources deemed reliable. It constitutes general, non-binding guideline values and does not represent any guarantee of specific properties or suitability for a particular purpose. The suitability of a product for a specific application depends on the actual operating conditions and a variety of factors. Full testing and performance evaluation of the final product are the responsibility of the user. Freudenberg FST GmbH | www.fst.com