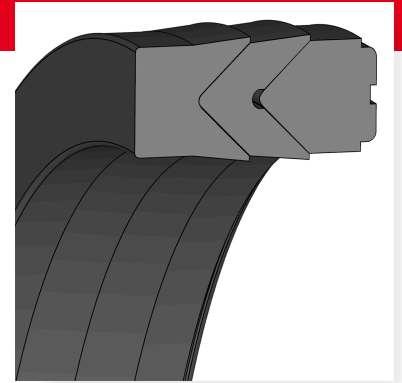




Chevron type seal set KDS01

DESCRIPTION

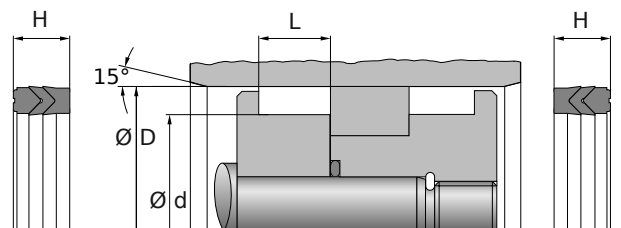
- 1/0 Combination of fabric and elastomer ring
- Single acting

FUNCTION

- Sealing of pistons
- 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

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



APPLICATIONS

- Spare parts supply for old systems
- Robust areas of application

CONFORMITY AND CERTIFICATES

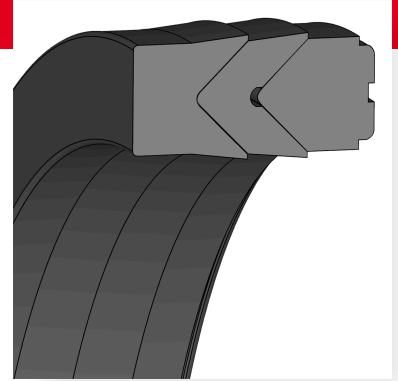
- Please consult the material data sheet valid for the respective material for current information on approvals and certificates, as this information depends on the compound and cannot be listed exhaustively here.

DESIGN GUIDELINE

- 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

- Piston must be split so that the seal sets can be fitted without deformation, elements are inserted individually into the seal chamber
- Installation in axially open groove
- Deburr sharp edges, provide with seamless chamfers and radii
- For use in double-acting cylinders: Take into account the axial play of the roof sleeve sets (L H).
- Grease the piston seal before fitting the cylinder



DICHTOMATIK

Chevron type seal set KDS01

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	FKM
40	40

Sliding speed [m/s]

NBR	FKM
0.5	0.5

Temperature [°C]

NBR	FKM
-30...100	-15...150

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



DICHTOMATIK


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