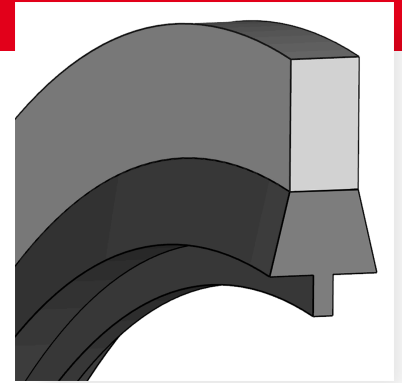




DICHTOMATIK

Bonded seal USS

DESCRIPTION

- Elastomer sealing lip vulcanized on the inside
- Additional centering

FUNCTION

- Protection against dirt from outside, prevents media leakage, no pressure loss
- Sealing effect due to compression of the elastomer lip
- Centering diaphragm ensures fixation in correct position during assembly

PRODUCT ADVANTAGES

- Very good sealing effect
- Simple assembly
- Reliable design with broad application spectrum for moderately demanding applications in general industry
- Metal washer ensures controlled pressing
- Good price/performance ratio
- Manufactured by certified external suppliers
- Fixing by internal centering

APPLICATIONS

- Static sealing for screw connections and flange seals (mechanical engineering, tank and apparatus construction)

CONFORMITY AND CERTIFICATES

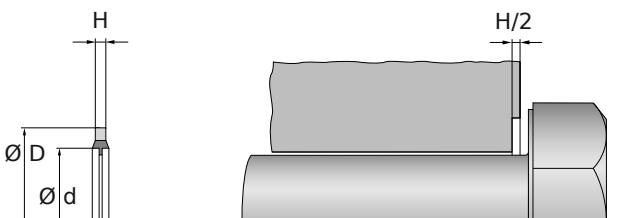
- Please consult the material data sheet valid for the respective material for current information on approvals and certificates, as this information depends on the compound and cannot be listed exhaustively here.

DESIGN GUIDELINE

- Shaft surface roughness $R_z = 1.0$ to $4.0 \mu\text{m}$
- No surface shape deviations or defects such as sharp edges, burrs, blowholes, waviness, elevations or damage permitted
- Chamfer on shaft $10-20^\circ$, polished transition

INSTALLATION GUIDELINE

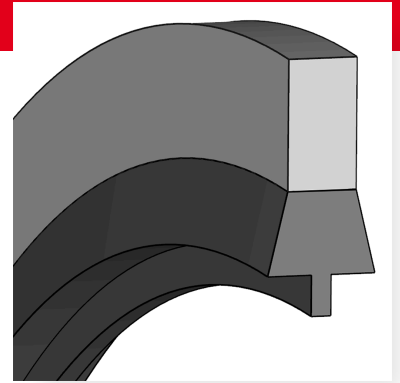
- Avoid any damage during installation
- Clean the installation space carefully before installation, remove dust, dirt, metal chips, etc.



DICHTOMATIK



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DICHTOMATIK

Bonded seal USS

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
25	25

Temperature [°C]

NBR	FKM
-30...100	-20...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.

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



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