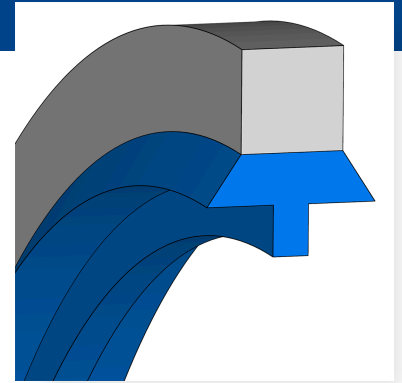




Bonded seal USIT I SF

DESCRIPTION

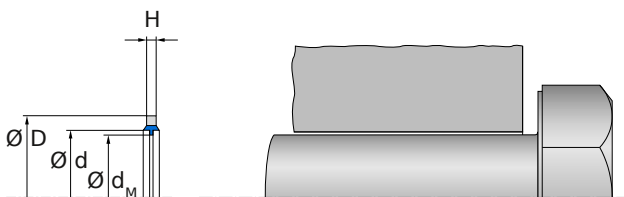
- Elastomer sealing lip vulcanized on the inside
- Additional centering

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

- Excellent sealing effect
- Simple assembly
- Market-leading, proprietary design with the widest range of applications in all industries and for a variety of requirements
- Metal washer ensures controlled pressing
- Highest quality, durability and safety
- Best results in total cost of ownership
- Fixing by internal centering



APPLICATIONS

- Sealing of screw connections and flange connections, e.g. in mechanical engineering

CONFORMITY AND CERTIFICATES

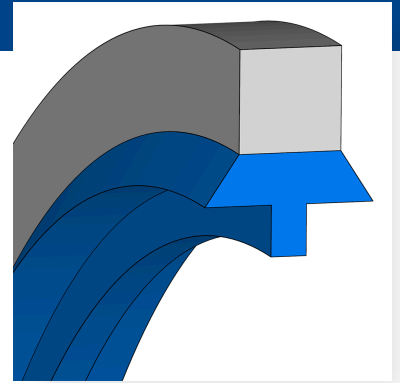
- Please consult the material data sheet valid for the respective material for current information on approvals and certificates, as this information depends on the compound and cannot be listed exhaustively here.
- Please follow the QR code or hyperlink to the technical manual to obtain further information and instructions.



DESIGN GUIDELINE

- Please refer to the technical manual for design
- Please follow the QR code or hyperlink to the technical manual to obtain further information and instructions.





Bonded seal USIT I SF

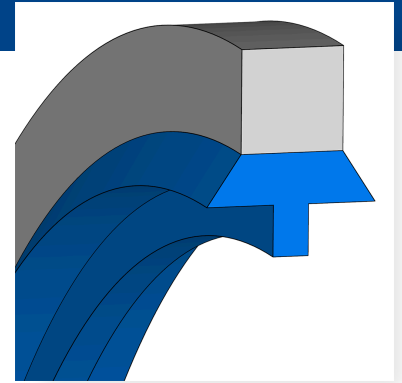
INSTALLATION GUIDELINE

- The prerequisite for perfect function of the seal is careful installation in accordance with the technical manual.
- Please follow the QR code or hyperlink to the technical manual to obtain further information and instructions.



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



Bonded seal USIT I SF

Pressure [MPa]

FKM
100 (a)
40 (b)
25 (c)

a = installation in counterbore

b = installation without counterbore for $\varnothing < 40$ mm; only for USF

c = installation without counterbore for $\varnothing < 40$ mm

Temperature [°C]

Medium	NBR	FKM
Mineral oils (according to DIN 51524)	-30...100	150
Pressure fluids HFA, HFB, HFC (according to VDMA 24320)	-30...100	150
Hot air		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