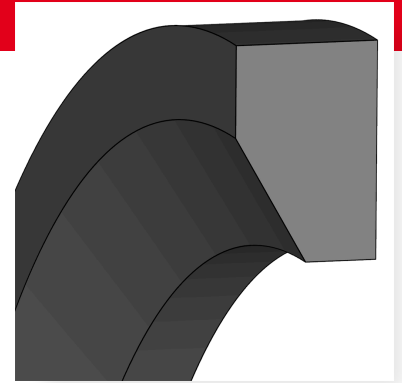




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Flange seal PRR

DESCRIPTION

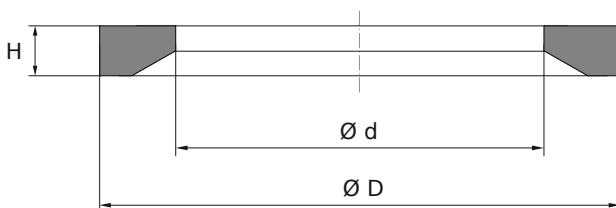
- Asymmetrical

FUNCTION

- For SAE flanges in accordance with SAE J 518, among others
- Static sealing of pipe fittings, valves and screw plugs by axial compression in the installation space
- Static sealing by axial compression in the installation space
- Provides protection against dirt from outside

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

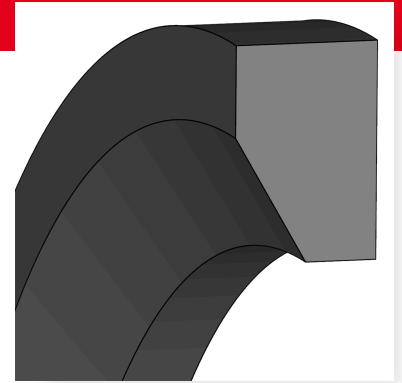
- Excellent sealing effect even with low viscosity media
- High extrusion reliability
- Reliable design with broad application spectrum for moderately demanding applications in general industry
- High resistance to torsion in the installation space
- Good price/performance ratio
- Low deformation due to profile geometry
- Manufactured by certified external suppliers
- No relative movement in the groove during pressure pulsation

APPLICATIONS

- Fittings
- Construction machinery
- Hydraulic presses
- Hydraulic valves
- NBR suitable for gas appliances and gas systems in accordance with DIN EN 549 B1/H3 (0 to +80°C), FKM suitable for gas appliances and gas systems in accordance with DIN EN 549 E1/H3 (0 to +150°C)
- Pipe fittings for general industry
- Injection moulding machines



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Flange seal PRR

DESIGN GUIDELINE

- Machine installation space according to the manufacturer's specifications
- Installation space tends to be wider than for a simple o-ring
- Surface roughness $R_a = 3,2 \mu\text{m}$

INSTALLATION GUIDELINE

- Avoid any damage during installation
- Clean the installation space carefully before installation, remove dust, dirt, metal chips, etc.
- Do not pull the seal over sharp edges, threads, or keyways during installation; cover with an installation sleeve if necessary
- Do not grease the seal or installation space for assembly
- Grease the elastomer sealing element before assembly to improve the dynamic coefficient of friction and thus ensure a longer service life
- Ensure the correct installation position of the profile ring during assembly

STORAGE ADVISE

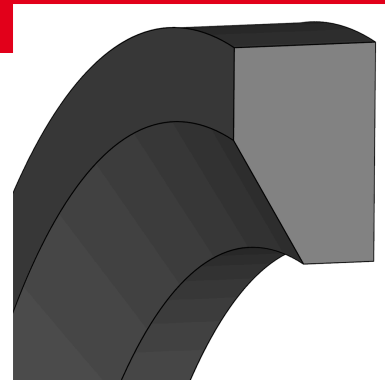
- Storage temperature $< 25^\circ\text{C}$
- No direct heat sources
- No direct sunlight
- No condensation in the storage room
- No exposure to ozone or ionizing radiation
- Recommendations based on the revision of ISO 2230 dated 16.09.1992



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SEALING TECHNOLOGIES



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Flange seal PRR

Pressure [MPa]

60

Temperature [°C]

NBR

-30...100

EPDM

-45...150

FKM

-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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