



GaskiT KFD - Rubber Steel Gasket



Leakage protection for many flange sealing surfaces, flanges with standard roughness as well as painted and enameled flange surfaces, simple and economical use

FIELDS OF APPLICATION

Sealing of flange connections for gas supply systems, drinking water systems, service water, wastewater and pumping station systems

MATERIAL

Material type: NBR-Rubber

Shore hardness: Shore A 70° ±5

PROPERTIES

Temperature range: -25 °C to + 90 °C

Color: black

Description: Gaskets for more dimensional stability due to vulcanized steel ring; gasket dimensions according to DIN 1514-1 / DIN 2690; for safe centering within the bolt ring; fast sealing effect at low bolt tightening torque due to bead on the medium side; compensation of pressure changes and variations in temperature due to high resilience

SIZE

ND 15 - ND 1200 (up to ND 2000 on request); pressure ratings PN 6 - PN 40



Building Construction



Civil Engineering



Water



HVAC



Energy



Oil



Gas



Industry



PRODUCT INFORMATION

PROPERTIES

- High operational safety
- Low tightening torques
- Dimensional stability
- Large operating temperature range

FIELDS OF APPLICATION

Sealing and isolation of flange connections in corrosion protection plants, for electrical separation. Flange Isolation for cathodic corrosion protection of flange sealing surfaces in combination with isolation sleeves and isolation washers. Flange Isolation to meet the requirements of technical regulations for flammable gases and liquids. The flange gaskets GLV-UniSeal® T and GGr can, of course, also be used as gaskets without Isolation.

DESCRIPTION

Easy and quick installation. Can be mounted with " standard tools" and torque wrench.



CERTIFICATES

TEXT

- ZERTIFIKAT_ISO_9001_2015
 - AEO-CERTIFICATE Authorized Economic Operator "AEO (customs simplification)"
- KFD NBR; EN 682-1, DVGW VP406 A7; DIN-DVGW type examination certificate:
KFD EPDM; DVGW W270; Test report TZW:
KFD EPDM: Material according to Standard EN 681-1; Hot-Water Resistant:
WRAS: Material approval:
ACS: Certificate of sanitary conformity:



INSTALLATION



- 1** If only the smaller collar is used, the larger one can be cut, if necessary.
- 2** The gasket must not be damaged.
- 3** Greasy separating agents or lubricants should not come into contact with the rubber gasket.
- 4** Insert gasket between flange faces.
- 5** Tighten the bolts evenly several times in a crosswise sequence.
- 6** Ensure that bolts are well lubricated .
- 7** Always use torque wrench to ensure even tightening.
- 8** Appropriate pipe support must be in place in order to prevent the pipe from settling, otherwise the gasket will be squeezed on one side.
- 9** Rubber/steel gaskets should not be used more than once.

For flanges ND 15 - ND 600:

The values are based on a coefficient of friction of $\mu = 0.12$ and a maximum surface pressure of 15 N/mm^2 . The number and sizes of bolts comply with DIN standards 2632 to 2635.

The guide values for tightening torques for flanges larger than ND 600 can be calculated according to the following rule of thumb:

PN 10: $\text{ND} / 3 = \text{torque in Nm}$ PN 16: $\text{ND} / 1.5 = \text{torque in Nm}$

PN 25: $\text{ND} = \text{torque in Nm}$

PN 40: $\text{ND} * 2 = \text{torque in Nm}$

If the flange material consists of plastic, e.g. PE, please note that the tightening torques must be adjusted or reduced according to the respective flange material