

## KWO® MultiTex® Ring DK - ePTFE gasket



KWO® MultiTex® Ring DK is a high-quality gasket material made from multi-directional expanded PTFE. The oval ring is especially designed for the sealing of steam boiler plugs and is suitable to seal man hole, head hole and hand hole covers of steam boilers.

The flexible material adapts excellently to sealing surfaces and compensates for any unevenness of the cover or flange surface. The ring ensures a very high tightness immediately after the installation and is particularly suitable for the pressure test with cold water. KWO® MultiTex® Ring DK offers a lasting tightness under operating conditions and in applications with changing temperatures.



### ★ Advantages

- > excellent tightness from the installation on
- > seals very well flange surfaces; avoids corrosion of the sealing surfaces
- > flexible material adapts excellently to cover or flange surface
- > resistant to stress due to changing temperatures

### ⚙ Properties

- > full material resistance
- > very good adaptability to rough sealing faces
- > non-ageing, unlimited storable
- > nontoxic, biologically inert
- > non-flammable

### 🏠 Applications

- > steam vessels
- > silo systems
- > food processing and pharmaceutical systems

### 📜 Certificates

- > certificated and monitored by TÜV
- > "VdTÜV Merkblatt Dichtung 100" (formerly known as TRD 401), correspond to test category "D" up to 250°C/40 bar
- > testes for an increased gap between lid and flange
- > FDA 21 CFR 177.1550 tested

## TECHNICAL DATA

<b>Material</b>	100 % multi-directional expanded PTFE (ePTFE)
<b>Chemical resistance</b>	pH range from 0 to 14; full chemical resistance for all sorts of boiler water
<b>Temperature range</b>	recommended temperature +250°C (+482°F) and internal pressure 40bar (580psi)*
<b>Pressure range</b>	certificated for steam vessels with internal pressure up to 40bar (580psi) and cold water test up to 88bar (1276psi)*
<b>Physiologically inert</b>	physiologically harmless in all recommended applications
<b>Density</b>	0,80 g/cm <sup>3</sup> +/- 0,10 g/cm <sup>3</sup>

\*Note: temperature and pressure guides cannot necessarily be used simultaneously.

## Quality assurance

The KWO® Quality Management is certified according to DIN EN ISO 9001. Our suppliers are also integrated in this quality system. We use exclusively high quality raw materials in the fabrication of our products, which provide the highest level of safety and reliability.



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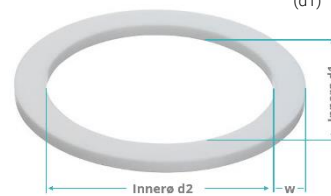
## Available Dimensions

Dimension* [mm]			
60x80x15	100x150x15	220x320x25	320x420x25
64x85x15	120x160x15	280x350x25	320x425x25
65x95x15	115x165x15	280x380x25	330x450x35
80x120x15	150x200x15	300x400x25	350x450x25

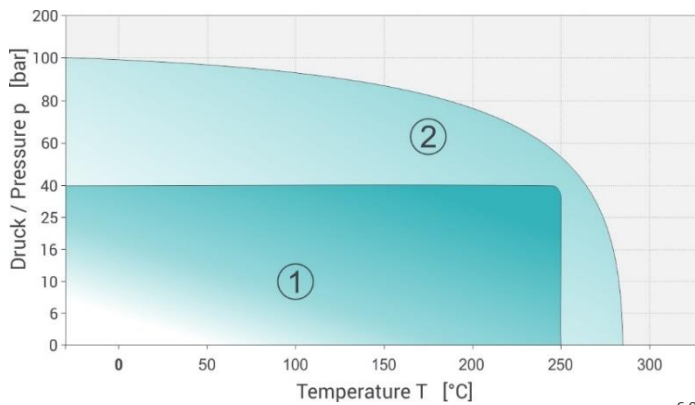
\*Gasket thickness for all dimension = 6mm  
Other dimensions available on request.

To order, please use the following text

KWO® MultiTex® Ring DK, \_\_\_ x \_\_\_ x \_\_\_ mm, pieces

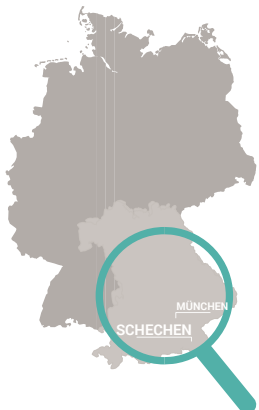
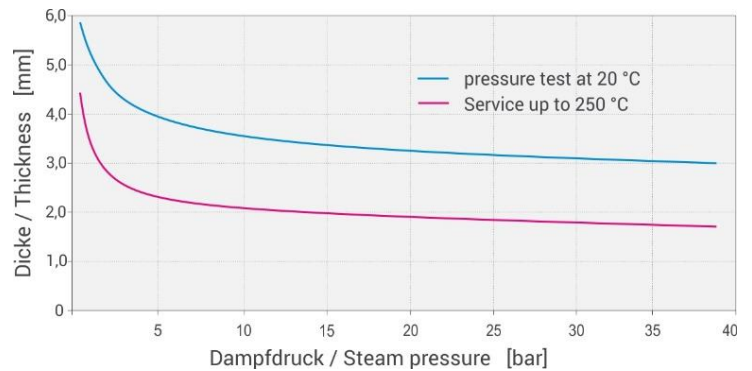


d1 = small inner oval  
d2 = large inner oval  
w = web width



The p-T diagram indicates the service limits considering the simultaneous influence of pressure and temperature.

Range 1: Typical service limits  
Range 2: Maximum application limits, after technical verification



- ✓ Made in Germany
- ✓ International Presence
- ✓ Represented in over 50 countries

For detailed selection criteria, technical information, installation guideline and the relevant contact person, please visit our website: [www.kwo-ptfe.de](http://www.kwo-ptfe.de)

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