

KWO® MultiTex® DK Tape steam boiler gasket tape



KWO® MultiTex® DK Tape

especial designed gasket-tape for oval inspection ports of boilers and tanks. Lasting gasket for the high demand of safety and tightness up to **250°C** and **40bar** pressure.

KWO® MultiTex® DK Tape

is tested and approved by German TÜV according VdTÜV-Instruction TRD 401 / Dichtung 100, **highest level test category D**

The soft material can fit perfect to uneven surface structures, very high adaptability at installation ensures exceptional tightness in cold water pressure tests.

Advantages

- one tape for all closure and doors of boilers
- high adaptability, suitable for flanges with corrosion and with uneven sealing surface
- pressure test and service with the same gasket
- practical installation, easy removal
- anti-sticking material, low effort for surface cleaning when installing a new gasket
- no embrittle of the PTFE-tape in storage or in service- pure PTFE, conform to FDA standards

Product Data

Material

pure virginal PTFE with multidirectionally expanded fibrous structure, wide double side tape for easy installation

Chemical resistance

pH 0 to 14, resistant to all media, very high resistance to aggressive boiler water according TRD601.

Resistance to aging

in the permissible field of application there is no ageing of **KWO® MultiTex® DK Tape**. Depending on storage conditions the quality of the adhesive tape can change.

Temperature Range

certified and permitted up to 250°C

Pressure Range

certified up to 40bar operating pressure at 250°C cold water pressure test up to 88bar



Application fields

Steam boilers and tanks

Manhole doors from steam boilers as well as inspection ports in boilers and tanks of all common sizes and manufactures.

Form of delivery

Size

cross section **15x6mm** for on-site-installation, with double side tape for easy installation.

KWO® MultiTex® DK Tape 15mm wide fit on narrow flanges of handhole-lids as well as on wide 25mm flanges of manhole doors.

Delivered on spools of **5m, 10m or 15m** in cardboard boxes, packed with installation instruction

Approval and certificates

TRD 401 / VdTÜV Dichtung 100

type tested according to VdTÜV-Instruction TRD 401 / Dichtung 100 Test class D
Registration-No.: **TÜV.D.11-008.d**

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Installation Instruction

Preparation before assembling

Always handle the gasket tape carefully.
Avoid to squeeze or damage it and keep it clean.

Remove all old sealing material and clean the sealing surface carefully. Control the sealing surface for damages.

Door and socket must fit together also without assembling a gasket! Sealing surfaces must be even and suit full face one to the other (overwork or replace door when severely damaged!).

Die Verschlussmutter der Deckelschraube muss auch ohne Dichtung noch genügend freie Gewindegänge haben, die Mutter darf nicht am Bolzen ohne Gewinde anstehen!

The locking nut must have sufficient free thread turns also without installed gasket. The nut may not block at the bolt area without thread!

Use a very sharp knife to make an angular cut of 20-25mm at the begin of the tape. Make a cut on full length and take care that there is no step to the sealing surface.

Remove the adhesive protective paper step by step to avoid dirt on the adhesive. Place the tape centred on the flange and form a closed gasket.

Adjust the tape exactly on the angular cut of the begin and cut of the tape as shown below, the finished joint should have a thickness of 7-8mm.

Assembling

After installing the tape, assemble the door carefully in a centred position and tight the bolts according to the maximum applicable force for the used components (bolt, nut, crossbar).

Use a torque wrench and apply assembly paste. During assembly and heating-up-process tight the bolts always evenly in stages.

Technical support

our technical service will support you if there are any questions.

Torque recommendation

Torque the bolts according the instruction of the boiler manufacturer. If there is no recommendation following torque for bolts can be used as guideline:

Bolts	Torque
M16	100 Nm
M20	180 Nm
M24	300 Nm
M30	600 Nm

Crossbar of the closure door must not get distorted! Defect material has to be replaced.

Operation

Attention: always wear heat protective clothes when handling at hot steam boilers!

Retorque at least every 30 minutes up to the maximum operating temperature!

At operation temperature torque the bolts in the same period two more times.
Check the crossbars for a always tight fixed position, especially at the end of the first operation cycle after cooling down.
If necessary retorque with the same torque as before.

