

WT-E ePTFE Gasket Tape

WT-E gasket tapes consist of 100% monodirectionally expanded PTFE with higher density. For ease of assembly one side is equipped with an adhesive tape. Due to the manufacturing method and the achieved width-thickness-ratio, the material is especially suited for sealing flanges whose surfaces show large flatness imperfections and high roughness. **WT-E** gasket tapes are flexible and adaptable.



Advantages and Possible Applications

Advantages

- Easy and quick installation
- Minimal scrap, even with complex flange geometries
- Low storage costs (always the right seal available)
- Easy to remove - no residue on the flanges when removing the seal
- Suitable for a wide range of flanges and flange surfaces such as steel, aluminium, rubber lined surfaces, plastics etc.

Typical Applications

- Machine housings
- Agitators
- Sight glasses
- Filler caps
- Hand- and manholes
- Sealing of flanges of all sizes and geometries
- Flanges with narrow sealing surfaces
- Aggressive media

Technical Data

Chemical Resistance of the Sealing Material

pH 0-14 - resistant to all media, except dissolved or molten alkali metals and elemental fluorine at higher temperatures and pressures

Temperature Resistance of the Sealing Material

-240 ° C to +270 ° C, intermittent to 315 ° C

Resistance to Aging

Within the admissible range of application, **WT-E** gasket tapes are not subject to aging. Please note, that the adhesive strength may decline after 1-2 years.

Recommended Operating Ranges

Pressure: Vacuum up to 6 bar
Temperature: -240 °C to 200 °C

Depending on the application and assembly conditions, **WT-E** gasket tapes can be applied at higher temperatures and pressures. We gladly advise you.

Certificates and Approvals

TÜV approved according to MUC-CSF-A066 corresponds with:

FDA 21 CFR 177.1550 (PTFE)
FDA 21 CFR 175.105 (adhesive)

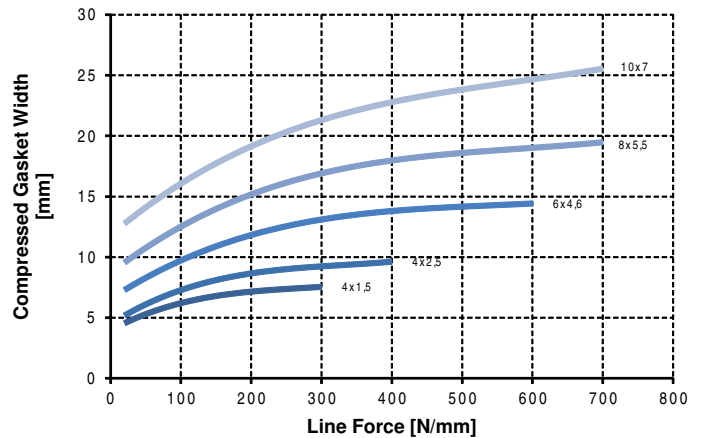
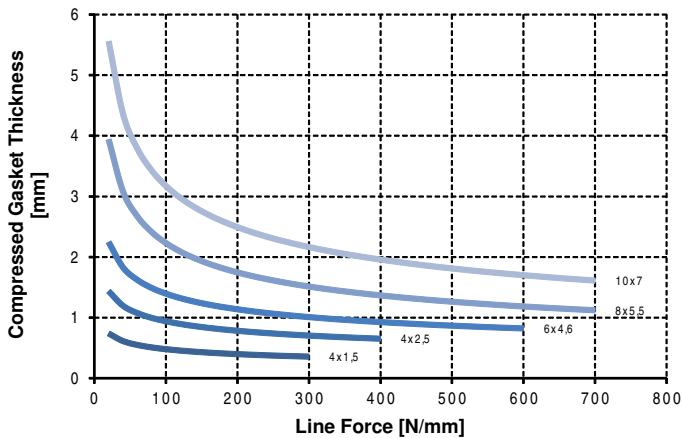
Standard Delivery Sizes

Article Description	Width x Thickness [mm x mm]	Spool Lengths [m]			
		5	10	25	50
WT-E 04	3x0,3			x	x
WT-E 06	3x0,7			x	x
WT-E 10	4x1,5		x	x	x
WT-E 15	4x2,5		x	x	x
WT-E 20	6x4,6		x	x	x
WT-E 30	8x5,5		x	x	
WT-E 40	10x7	x	x	x	

Other dimensions and spool lengths on request.

Deformation of Gasket

Change of Gasket Width and Gasket Thickness at 20 ° C



Handling and Assembly

- Thoroughly clean sealing surfaces.
- Remove residues of old sealings and any grease or corrosion.
- Remove the protective film from the self-adhesive back for about 50 cm and mount the gasket tape centrally on the sealing surface.
- Execute a bevel cut as shown in Figure 1.
- Gradually mount the gasket tape on the sealing surface, simultaneously removing the protect film.
- Close and cut the gasket tape as shown in Figure 2.
- Using a torque wrench, tighten nuts crosswise in 3 to 4 progressive torque sequences until the optimal torque or bolt force is reached.
- For gasket tapes WT-E 04 and WT-E 06 join the endings by overlapping as shown in Figure 3.

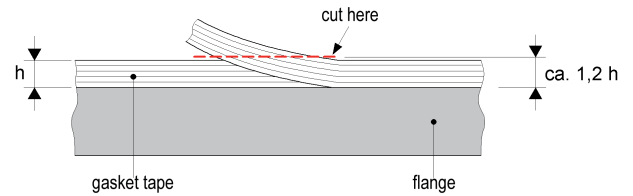


Figure 2

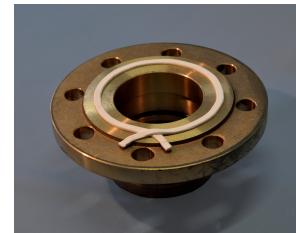


Figure 3

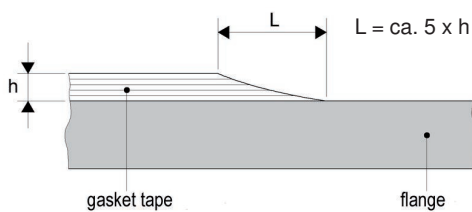


Figure 1

Recommended Selection

Article description	Width x Thickness [mm x mm]
WT-E 04	width > 3 mm
WT-E 06	width > 3 mm
WT-E 10	width up to 15 mm
WT-E 15	< DN 500
WT-E 20	< DN 1000
WT-E 30	< DN 1500
WT-E 40	> DN 1500 or severely damaged sealing surfaces

Please note: All technical information and advice given is based on our previous experience to the best of our knowledge. However, this does not constitute any liability on our part. Given that only someone who is able to check all application conditions on site may reliably assess the performance of a product, specifications and values are always subject to revision by the user.

© Copyright 2013 . All rights reserved Rev.No.: EN03/17.07.2013