

## WT-R ePTFE Gasket Tape

**WT-R** gasket tapes consist of ePTFE in mono-directional fiber structure reinforced with inorganic filler. Due to the homogenous filler distribution and the high filler content, **WT-R** gasket tapes yield better performance at higher temperatures. In addition, they are suited for larger flatness imperfections of the sealing surfaces.

**WT-R** gasket tapes are used for sealing flanges in frictional connections, are flexible and show a reduced cold flow.



### Technical Data

#### Chemical Resistance of the Sealing Material PTFE

pH 0-14 - resistant to all media, except dissolved or molten alkali metals and elemental fluorine.

#### Temperature Resistance of the Sealing Material PTFE

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

#### Resistance to Aging

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

#### Recommended Operating Conditions

Pressure: Vacuum up to 25bar

Temperature: -200°C to 250°C

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

#### Standard Delivery Sizes

Article Description	Width x Thickness [mm x mm]	Spool Length [m]		
		10	25	50
WT-R 06	6 x 2,5		x	x
WT-R 08	8 x 3,5	x	x	x
WT-R 10	10 x 5,0	x	x	

Other dimensions and spool lengths on request.

### Advantages and Possible Applications

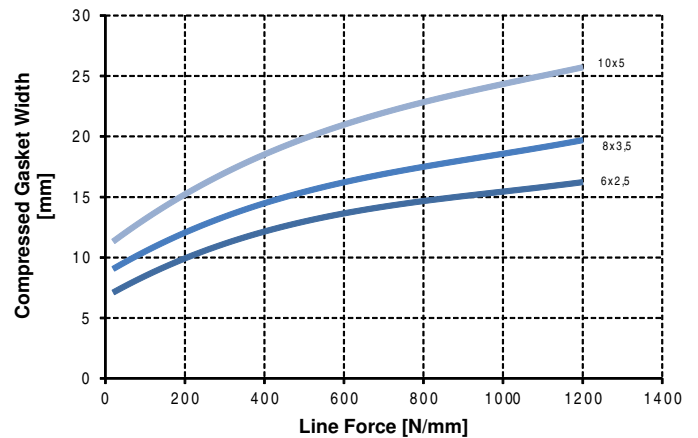
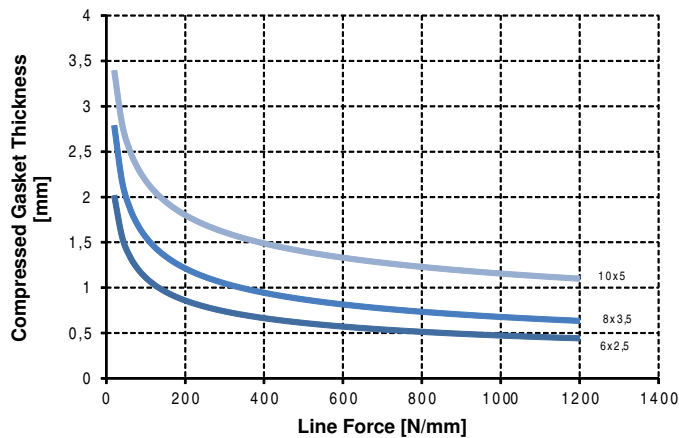
- Easy and quick installation
- Minimal scrap, even with complex flange geometries
- Low storage costs (always the right seal available)
- Easy to remove - no residue on flanges when removing the seal
- Suitable for steel flanges

#### Typical Applications

- Sealing of components in power plants, such as heat exchangers etc.
- All kinds of devices
- Sealing of flanges of all sizes and geometries

## Deformation of Gasket

### Change of Gasket Width and Gasket Thickness at 20 ° C



### Handling and Assembly

- Thoroughly clean the sealing surface and remove residues of old sealings and any grease or corrosion.
- Release protective the film from the self-adhesive back for about 50 cm and mount the gasket tape centrally on the sealing surface.
- Subsequently execute a bevel cut as shown in Fig. 1.
- Gradually mount the gasket tape centrally on the sealing surface, simultaneously removing the protective 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 optimum torque or bolt force is reached.

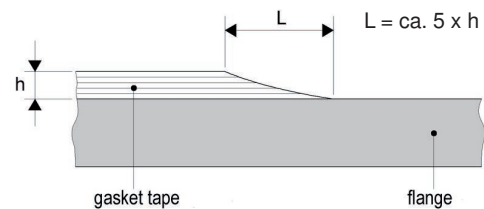


Figure 1

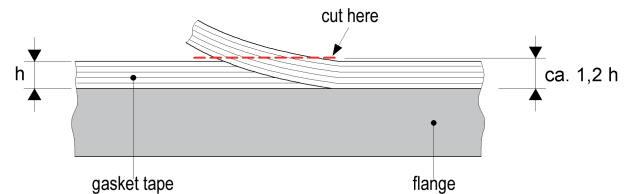


Figure 2

### Recommended Selection

Article Description	Width x Thickness [mm x mm]
WT-R 06	< DN 500
WT-R 08	DN 500 to DN 1000
WT-R 10	> DN 1000

**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.

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