

Philippe Jans Joint Sealant

Style F



expanded PTFE Joint Sealant

Joint Sealant Style F is made from 100% pure expanded PTFE (ePTFE).

The universal gasketing forms a thin, but yet strong, reliable gasket under compression, that is highly resistant to aggressive media and chemically inert.

Even for the sealing of large, complex and damaged flanges - just peel of the covering paper from the adhesive backing and stick the gasketing to the sealing surface - overlap the ending and close the jointing.

You will see how **Joint Sealant Style F** reduces maintenance time, loss production and total sealing costs.

Joint Sealant Style F is the economic sealing solution for all standard applications.

Typical Applications

Components

expansion joints, machine housing, apparatus flanges, hand and manholes (for TRD 401 please contact our technical service)

Flanges

all types of flanges, large and complex geometries

Sealing Areas and Flange Materials

steel, aluminium, graphite, rubber lined components

Key Features

- 100 % pure expanded PTFE (ePTFE)
- chemically inert
(for use with alkali metals and elemental fluorine ask our technical service)
- highly compressible
- easy and quick installation
- reliable and long lasting
- ideal for large and complex sealing surfaces
- reduces scrap and sealing costs

Technical Data

Material

100 % pure, virgin, expanded PTFE (ePTFE)

Temperature Resistance of the Sealing Material

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

Chemical Resistance

Chemical resistance to all media pH 0 to 14, except molten alkali metals and elemental fluorine

Pressure Range

Vacuum to 40 bar (580 psig)

depending on the installation parameters higher pressure can be achieved

Approvals and Safety

certified according to:

TÜV MUC-KSP-A066
DVGW VP 403

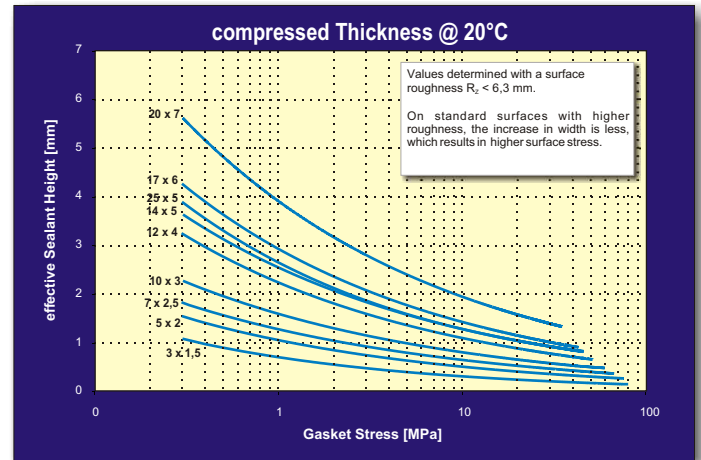
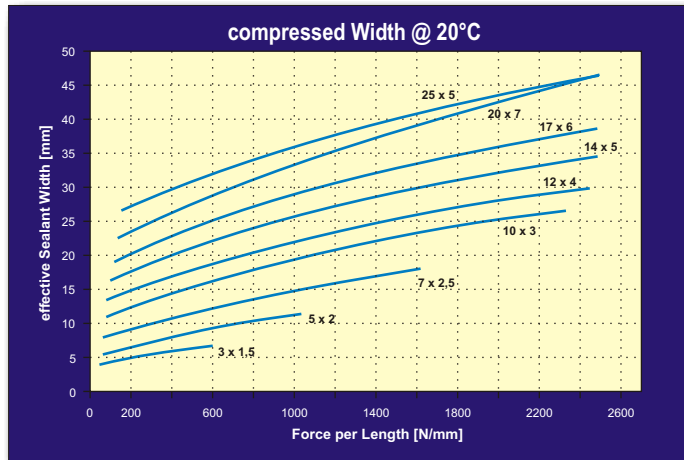
complies with:

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

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Characteristics



Joint Sealant Sizes

Size [mm]	Spool Length			
	5 m	10 m	25 m	50 m
3 x 1,5			X	X
5 x 2			X	X
7 x 2,5			X	X
10 x 3		X	X	X
12 x 4		X	X	X
14 x 5		X	X	
17 x 6	X	X		
20 x 7	X	X		
25 x 5	X	X		
28 x 5	X	X		

Installation

Completely clean the sealing area and remove any dirt, corrosion, oil or leftover from old gasket material.

Cut one ending of the sealing tape and remove just a little of the protecting paper.

Place the tape at the nearest possible position next to the bolts, starting next to a bolt hole.

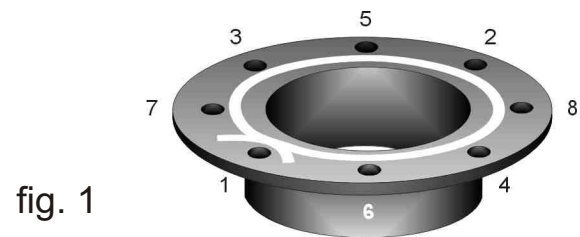
Fit the gasket around the entire flange circumference and cross the endings as shown in figure 1. >.

Assembled in fragile flanges apply techniques as shown in figure 2. Skive the endings as shown in fig. 3 and overlap according to the recommended overlap length. Cut off the excess, tapering to the end, leaving a total thickness of approx. 120 %.

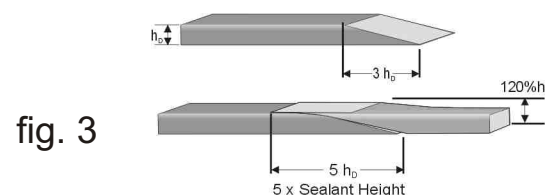
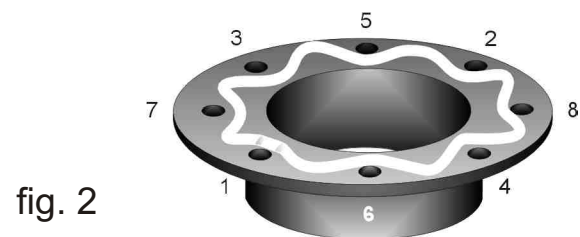
At least 4 progressive torque sequences with a torque wrench, in a star of 180° (fig. 1), should follow the first torque by hand.

Lastly perform a circular torque to check and ensure a tight and long-lasting seal.

Assembly in standard jointings



Assembly in fragile jointings



Assembly with skiving technique in fragile flanges and sizes > 17 x 6 mm



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