S-MKD4 series

PTFE Face Sealing Tape

Reference	Dimensions [mm]	Roll length [m]
S2EHM	3 x 1.5	25
S2EHN	5 x 2	25
S2EHP	7 x 2.5	25
S2EHQ	10 x 3	10
S2EHR	12 x 4	10

ENGLISH

Suitable:
Self-adhesive, universal, quick and easy to install face sealing tape made of 100% pure, expanded PTFE. For sealing compensators, machine housings, apparatus flanges, hand and man holes, as well as flanges with large and complex geometries.

Temperature resistance
-240°C to +270°C (temporarily +315°C)

Operating pressure:
-0,95 to 40 bar (-240°C up to max. +150°C, depending on installation condition and application)

Approvals:
DVGW (VP403), TÜV, BAM (gaseous oxygen), material and adhesive acc. to FDA 21 CFR 177.1505 and FDA 21 CFR 175.105, Fire class V-0 acc. to UL94

NEDERLANDS

Gebruik:
Zelfklevende, universele, snel en eenvoudig te installerende vlakafdichtingsband van 100% zuiver, geëxpandeerd PTFE. Voor het afdichten van compensatoren, machinebehuizingen, flenzen in apparaten, hand- en mangaten, en flenzen met grote en complexe vormen.

Temperatuurbestendigheid:
-240°C tot +270°C (kort +315°C)

Bedrijfsdruk:
-0,95 tot 40 bar (-240° tot max. +150°, afhankelijk van inbouwsituatie en gebruik)

Goedkeuringen:
DVGW (VP403), TÜV, BAM (gasvormige zuurstof), Materiaal en sticker volgens FDA 21 CFR 177.1505 en FDA 21 CFR 175.105, Brandklasse V-0 volgens UL94

DEUTSCH

Verwendung:
Selbstklebendes, universell, schnell und einfach zu installierendes Flachdichtungsband aus 100% reinem, expandiertem PTFE. Zum Abdichten von Kompensatoren, Maschinengehäusen, Apparateflanschen, Hand- und Mannlöchern, sowie Flanschen mit großem und komplexen Geometrien.

Temperaturbeständigkeit:
-240°C bis +270°C (kurzzeitig +315°C)

Betriebsdruck:
-0,95 bis 40 bar (-240°C bis max. +150°C, abhängg von Einbausituation und Anwendung)

Zulassungen:
DVGW (VP403), TÜV, BAM (gasförmiger Sauerstoff), Material und Kleber nach FDA 21 CFR 177.1505 und FDA 21 CFR 175.105, Brandklasse V-0 nach UL94

FRANÇAIS

Utilisation:
Ruban de joint plat autocollant universel, rapide et facile à installer, en 100% de PTFE expansé. Pour étancher des compensateurs, carters de machines, brides d'appareils, trappes d'accès et trous d'hommes, ainsi que des brides de géométries étendues et complexes.

Résistance thermique
-240°C à +270°C (brièvement +315°C)

Pression de service:
-0,95 à 40 bar (-240°C à max. +150°C, en fonction de la situation de montage et de l'application)

Homologations:
DVGW (VP403), TÜV, BAM (oxygène gazeux), matériels et adhésif selon FDA 21 CFR 177.1505 et FDA 21 CFR 175.105, classe d'incendie V-0 selon UL94

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To use the tape properly you need to:

- Clean sealing surfaces completely and remove dirt, corrosion, grease or residues of previous seals.
- Select gasket so that approx. 1/4 to 1/3 of the sealing surface width is covered.
- Cut one end of the sealing tape and peel masking paper off.
- Apply gasket starting directly next to a bolt hole, as close as possible along the bolt circle.
- Close the ends of the sealing tape applied to the entire sealing surface on the pressure side as shown in Fig.1.
- In the case of stress-sensitive flanges, lay on the outside and inside or in a serpentine line (Fig. 2). Bevel ends as shown in Fig. 3 and OVERLAP according to recommendation. Cut off overhang towards the end so that a total of approx. 120 % of the height remains.
- First tighten by hand, then increase the torque in min. 4 steps until the optimum tightening torque is reached. Tighten crosswise (Fig. 1).
- To ensure a continuously tight connection, CHECK the torque again all around at the end.
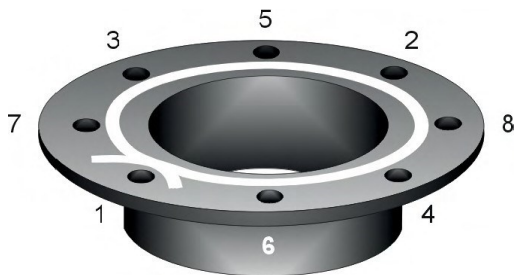
Installation in standard connections

Fig. 1

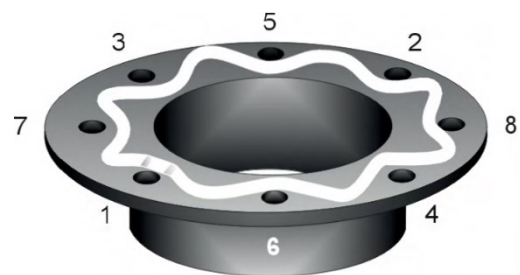**Installation in stress-sensitive components**

Fig. 2

Diagonal cut for stress-sensitive flanges

h_D

$3\ h_D$
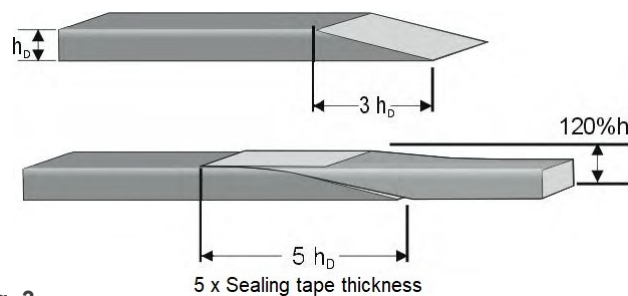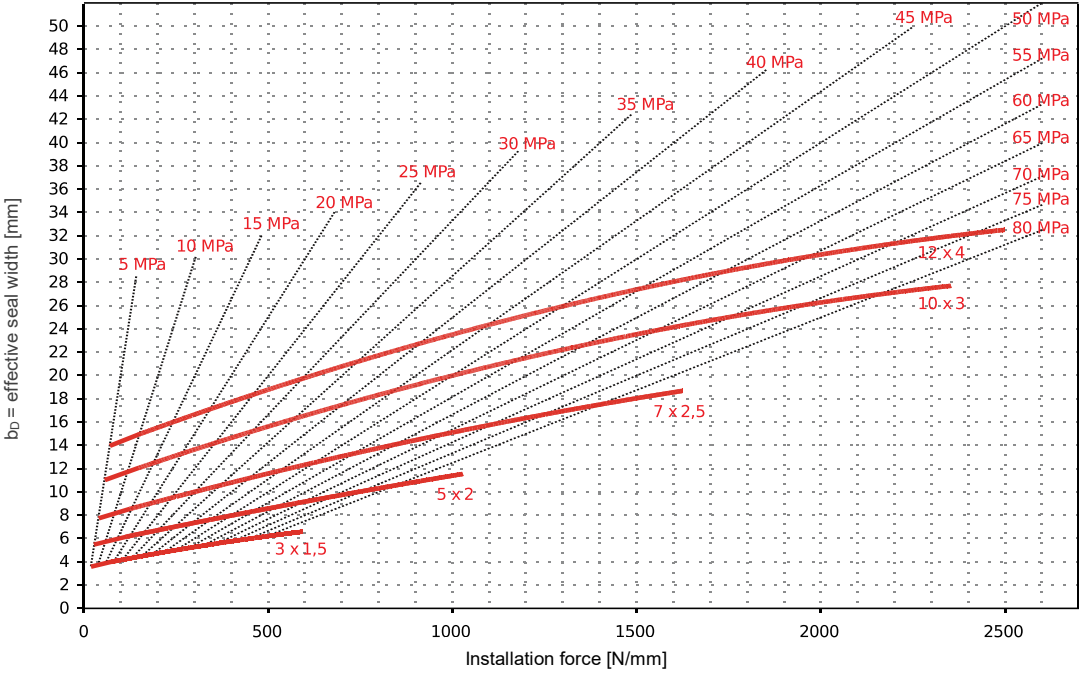
$120\%h$

$5\ h_D$

5 x Sealing tape thickness

Fig. 3

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PTFE Face Sealing Tape

Effective sealing width and resulting surface pressure during installation (20°C) as a function of installation force

Thickness change during installation (20°C)