

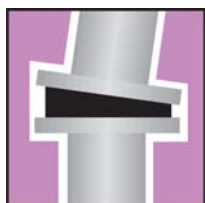


General Information

Selection Guide

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Installation Instruction



PSI Rubber Steel Chevron Seal adjustable



Pipeline Accessories

General Information

The PSI Chevron Seal Type WD consists of two interlocking parts **connected through a tongue and groove joint**. This allows the two chevron-shaped parts to be turned against each other up to an angle of approx. 8°. **After installation, these two parts form a “medium-tight” bond.**



Simply and highly economic

No wedge disks and additional seals

The PSI Chevron Seal Type WD replaces, simply and very economically, the steel or cast iron wedge disks frequently used so far. These heavy wedge disks, elaborately installed, even require two additional gaskets.

The result:

inexact assembly and higher costs. Complicated handling of these metal elements in tight spaces produces uncertainty during the installation and increases the risk of leaks.

Simple application for obliquely positioned flanges

Oblique positions sometimes occur with flange connections. Especially underground pipes with regulating wedges and flanges, e.g. for hydrants and fittings, cannot always be routed in a straight line

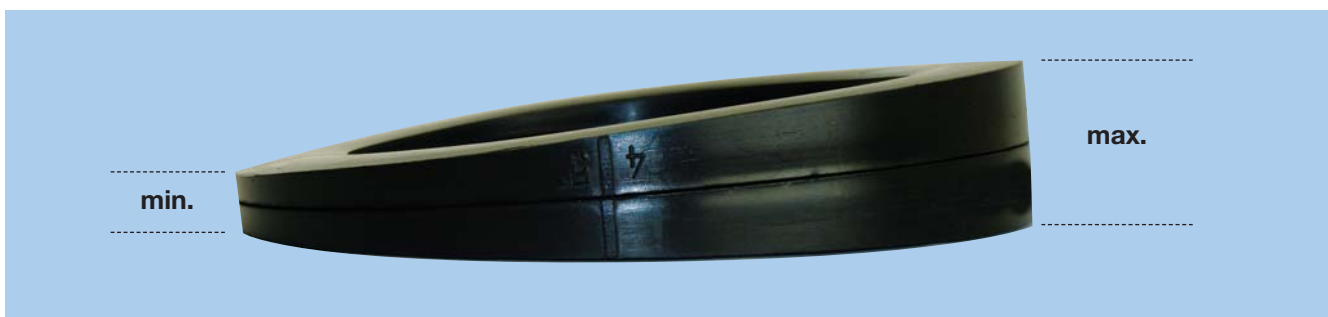




The standard material of the PSI Chevron Seal / Type WD is EPDM.
 However, depending on the applications, it can also be produced
 of other elastomers, such as FPM (Viton) and Silicon on request.
 Operating temperature EPDM: - 25°C bis + 120°C

| Dimension | | Thickness | | Bolt length | Dimension | Art. no. EPDM |
|-----------|---------|-----------|------|-------------|-----------|------------------|
| ND | PN | Min. | Max. | | | |
| 32 | 10 - 40 | 9 | 20 | 90 | M 14 | 1-008-04001 |
| 40 | 10 - 40 | 9 | 22 | 90 | M 14 | 1-008-04002 |
| 50 | 10 - 40 | 9 | 24 | 100 | M 14 | 1-008-04003 |
| 65 | 10 - 40 | 9 | 26 | 100 | M 14 | 1-008-04004 |
| 80 | 10 - 40 | 14 | 30 | 100 | M 14 | 1-008-04005 |
| 100 | 10 - 16 | 14 | 30 | 100 | M 14 | 1-008-04006 |
| 100 | 25 - 40 | 14 | 33 | 110 | M 18 | 1-008-04007 |
| 150 | 10 - 16 | 14 | 39 | 110 | M 18 | 1-008-04008 |
| 150 | 25 - 40 | 14 | 39 | 130 | M 22 | 1-008-04009 |
| 200 | 10 - 16 | 15 | 50 | 120 | M 18 | 1-008-04010 |
| 200 | 40 | 15 | 50 | 160 | M 24 | 1-008-04011 |
| 250 | 10 | 16 | 59 | 140 | M 18 | 1-008-04012 |
| 250 | 40 | 16 | 59 | 170 | M 27 | 1-008-04013 |
| 300 | 10 | 22 | 68 | 150 | M 18 | 1-008-04014 |
| 350 | 10 | 22 | 68 | 150 | M 18 | 1-008-04015 |
| 400 | 10 | 22 | 74 | 160 | M 22 | 1-008-04016 |
| 500 | 10 | 23 | 79 | 180 | M 22 | 1-008-04017 |

Dimensions according to DIN EN 1514-1 in mm
 Additional dimensions and materials available on request.



PSI Rubber Steel Chevron Seal / Type WD

Installation Instruction



Handling of the PSI Chevron Seal / Type WD:

The PSI Chevron Seal / Type WD consists of two seal-discs with an angle of 4° formed sealing surface, the parts are connected through a tongue and groove joint, is it easy to turn the seal against each other up to an angle of 8°.

Not appropriate for hydrocarbon Medium.

How should the Chevron Seal be installed:

Through the continuously variable sealing surface of the PSI Chevron Seal / Type WD it is possible to connect bevelled flanges.

The Chevron Seal / Type WD can be installed like normal sealing gasket between the flange sealing surface.

Therefore it is important that the angle is right adjusted. There is an angle marking on the side of the PSI Chevron Seal to adjust the right angle for bevelled flanges.

The PSI Chevron Seal / Type WD will be automatically centred by installing the screws through the screw holes.

The screws on the side with the minimal size of the Chevron Seal, will be first installed and "hand-tight" tightened. After installing all screws "hand-tight", begin to tighten from the minimal size of the gasket.



Tighten screws in a clockwise direction, not alternately across the diameter of the flange.

The Chevron Seal is usually with three (3) surroundings tight installed and fully functional. Too heavy tightening can destroy the sealing gasket. Tightening torque according to DIN 2505.

