



## RottoX VDW®

Pressure-tight Dynamic Wall Seals made of high-quality Rottolin



### FIELDS OF APPLICATION

The flexible sleeve is the ideal compensator for radial and axial movements. Particularly suitable for pre-insulated pipe wall penetrations and for constructions without sealing sheeting

### MATERIAL

**Material type:** High quality Rottolin

**Shore hardness:** Shore A 50 ° ±5

**Pressure plates:** V2A stainless steel

**Description:** seamlessly manufactured permanently elastic sealing compound anchor dowels

### PROPERTIES

**Pressure-tight:** Tight against pressing water up to 1.0 bar

**Tensile strength;:** 11 N/mm<sup>2</sup>

**Elongation at break:** 400 %

**Tear strength:** 27 N/mm<sup>2</sup>

**Operation temperature:** 55 °C

**schweissbar:** only split version

**Color:** red

### SIZE

Core drillings from 150 to 1000 mm



Civil Engineering



Water



Energy



Oil



Gas



## PRODUCT INFORMATION

### PROPERTIES

- Supports axial and radial load changes up to +/-25 mm
- Compensates pipe settlements, depending on pipe OD and core hole size up to 40 mm

### FIELDS OF APPLICATION

- Sleeve for sealing pre-insulated pipes or other moving pipes for wall penetrations

### DESCRIPTION

Due to the unique manufacturing process, the seamless production is possible for nearly all pipe combinations and sizes. Installation is very easy due to the pre-formed sleeves. As a result of seamless production, without punched openings, subsequent tensions will not cause cracks. Even the weld seam of the split version has the same properties in the base material, it is hot-plate-welded without any additional materials. This could be carried out on site by our partner. The material Rottolin is also characterized by high durability and flexibility. This is particularly important, for example, when used in acidic soils. Of course, this also applies to the standard STM sleeve for installation on a carrier pipe / casing pipe combination.



### NOTES

- For installation in the ground, the sleeve must be covered with an expansion pad, to reduce the pressure of the soil on the sleeve, so that a moving during the backfilling process is still possible



### CERTIFICATES

### TEXT

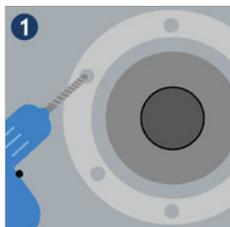
- ZERTIFIKAT\_ISO\_9001\_2015
- AEO-CERTIFICATE Authorized Economic Operator "AEOC (customs simplification)"

VDW® - MFPA Leipzig: Pressure-tight when installed:

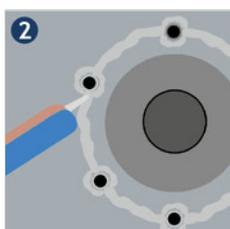
RottoX Temp - MFPA Leipzig: Pressure-tight when installed:



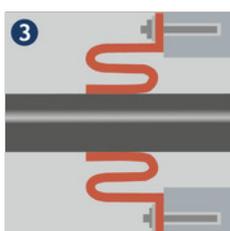
## INSTALLATION



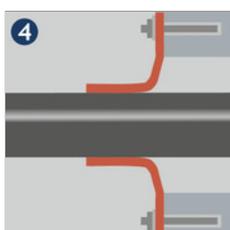
**1**  
Center and store casing pipe to core drilled hole



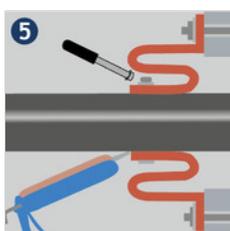
**2**  
Mark bore hole with help of pressure plate at the wall/ceiling. Drill out of center and insert dowel.



**3**  
Apply sealant like showed on wall/ceiling.



**4**  
Pull open side (at the flange side) of the flexible seal over the casing pipe. Warp flexible seal with pressure plate against the wall/ceiling. Spread out sealant.



**5**  
Collar of the flexible seal type VDW has to be adjusted until a stretching mark appears. Inject sealant under collar circularly and warp strap closely.

For laying underground the flexible seal has to be covered with a stretching cushion before filling to prevent flexible seal of earth burden. This allows the movement of the flexible seal.