



Rottox VDW® OD

Pressure-tight sealing collars made of high-quality Rottolin



FIELDS OF APPLICATION

The flexible sleeve made of high-quality Rottolin can accommodate angular deflections and is suitable for use with non-moving pipes in structures without a geomembrane

MATERIAL

Material type: High quality Rottolin

Shore hardness: Shore A 50 ° ±5

Pressure plates: V2A stainless steel

PROPERTIES

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

Tensile strength;: 11 N/mm²

Elongation at break: 400 %

Tear strength: 27 N/mm²

Operation temperature: 55 °C

schweissbar: only split version

Color: red

SIZE

Core drillings from 150 to 900 mm



Civil Engineering



Water



Energy



Oil



Gas



PRODUCT INFORMATION

PROPERTIES

- Absorption of load changes axially and radially up to +/-25 mm
- Absorption of settlements, depending on pipe OD and core bore size up to 40 mm
- Angles up to 20°

FIELDS OF APPLICATION

- Sleeve for sealing KMR pipes, or other movable pipes, at wall penetrations.

DESCRIPTION

Due to the unique manufacturing process, seamless fabrication is available for almost all pipe combinations and sizes available. Installation is very easy, due to the pre-formed sleeves. Due to the seamless manufacturing and without punched openings, occurring stresses cannot cause cracks. Even in the split version, we have the same properties in the weld as in the base material, because we mirror weld without foreign material. This can be realized 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 use when a media pipe is drawn into a protective pipe.



NOTES

- For installation in the ground, the sleeve must be covered with an expansion pad before backfilling to keep the earth load off the sleeve and thus allow the sleeve to move.



CERTIFICATES

TEXT

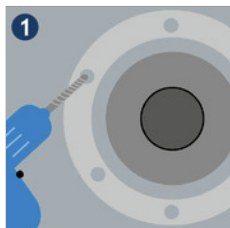
- ZERTIFIKAT_ISO_9001_2015
- AEO-CERTIFICATE Authorized Economic Operator "AEOC (customs simplification)"

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

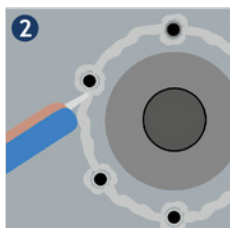
RottoX Temp - MFPA Leipzig: Pressure-tight when installed:



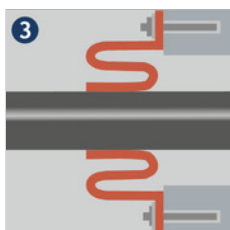
INSTALLATION



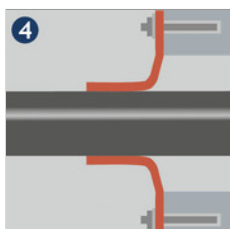
1
Center and store casing pipe to core drilled hole



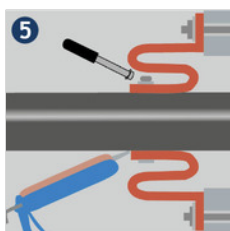
2
Mark bore hole with help of pressure plate at the wall/ceiling. Drill out of center and insert dowel.



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 OD has to be adjusted untill 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.