



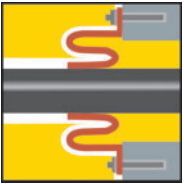
**WILLIAM JOHNSTON**  
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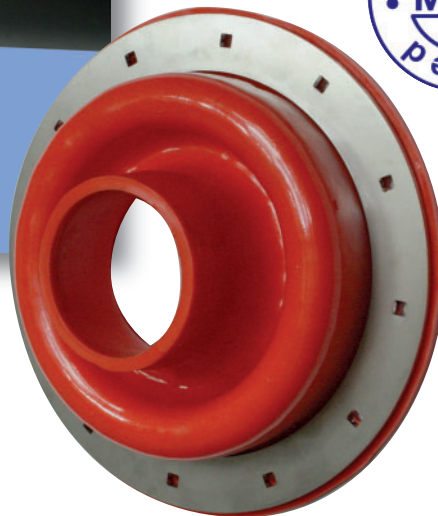
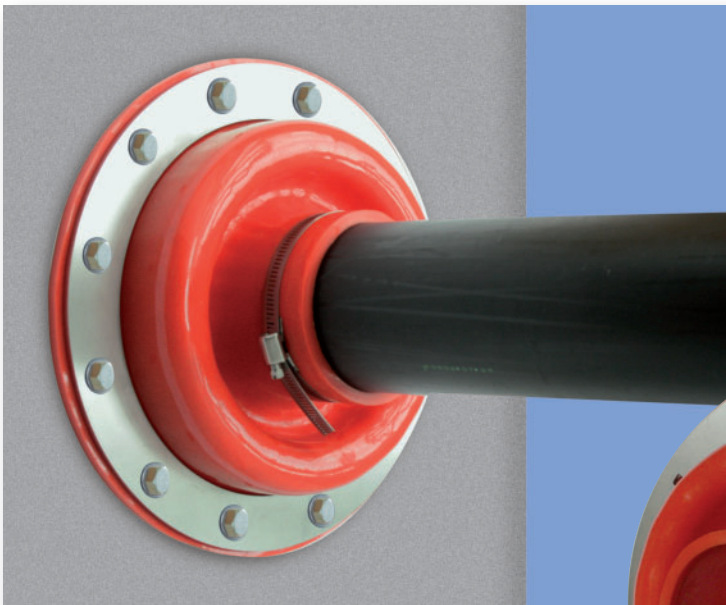
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## Pipeline Accessories



# PSI Compensating Wall Penetration Seals Type VDW



## Technical Data

PSI compensating wall penetration seal type VDW is developed especially to gather large radial and axial movements of pipelines.

The compensating wall penetration seal made out of Rottolin is the ideal motion compensator and it is very suitable for **wall and ceiling penetrations of plastic casing pipes** on buildings without sealing films.

### Advantages at a glance:

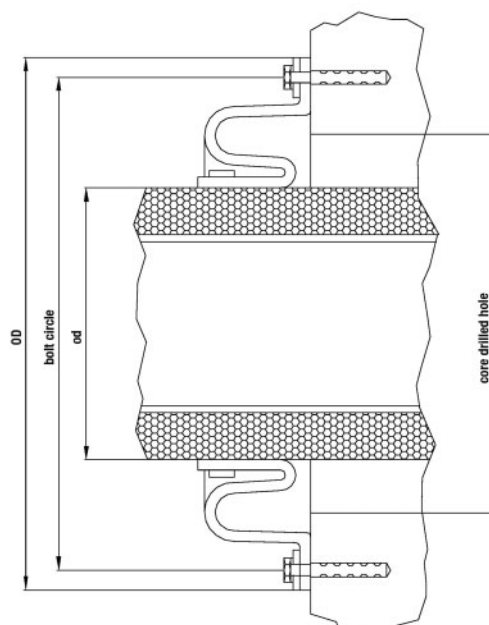
1. Support of load change axial and radial up to +/-25 mm
2. Support of compression set depending on pipe outer diameter and drilled core hole size up to 40 mm
3. Leak-proof against pressing water up to 0.5 bar, MFPA approved

### Selection Table

pipe O.D.	max. core drilled hole	O.D. collar / pressure plate	bolt circle pressure plate / end seal
mm	mm	mm	mm
75	150	292	265
90	150	292	265
110	200	340	305
125	200	340	305
140	250	389	360
160	250	389	360
200	300	450	410
225	300	450	410
250	350	500	460
280	350	500	460
315	400	550	510
355	450	600	560
400	500	650	610
450	550	700	660
500	600	750	710
560	650	800	760
630	700	850	810

### Technical Data:

Material end seal:	Rottolin
Material thickness:	6 - 8 mm
Colour:	red
Shore hartness:	approx. 50°
Tensile strength:	11 N/mm <sup>2</sup>
Breaking elongation:	400%
Tear strength:	27 N/mm
Max. long term temperature:	55°C
Material pressure plate	S304 (V2A)



# PSI Compensating Wall Penetration Seal Type VDW Installation Instruction

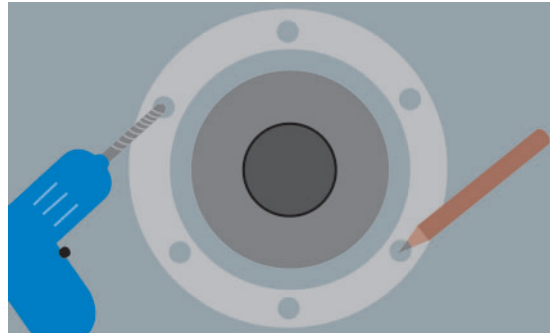


Wall / ceiling and casing pipe have to be dry, dust and grease-free at the mounting area of the compensating wall penetration seal type VDW.

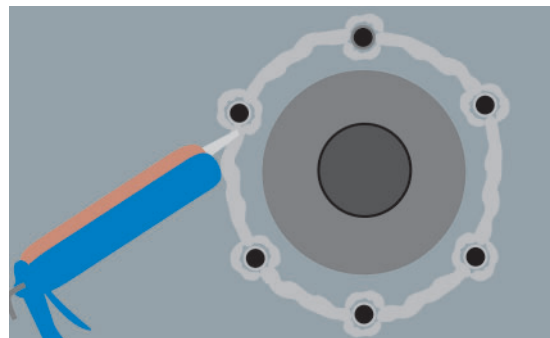
**Attention: For casing pipe size > 250 mm a tension tool for a 19 mm stainless steel strap is necessary.**

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

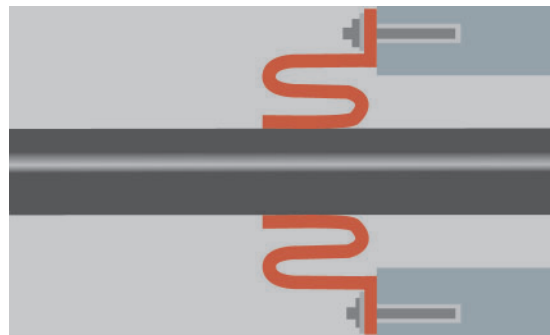
2. **Mark bore hole** with help of pressure plate at the wall / ceiling. **Drill out** of center and **insert dowel**.



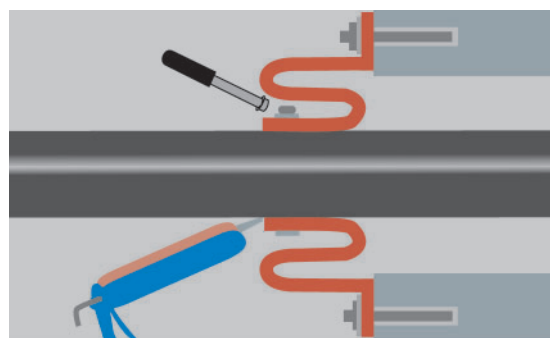
3. Apply **sealant** like showed on wall / ceiling.



4. Pull **open side** (at the flange side) of the compensating wall penetration seal type VDW **over the casing pipe**. **Warp** compensating wall penetration seal type VDW with pressure plate **against the wall / ceiling**. **Spread oozed sealant**.



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



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

Technical changes are reversed.

#### Disclaimer

Please note, failure to select the correct materials or products we supply (“the Products”) may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.