

GENERAL INFORMATION

The PSI Dynamic Wall Seal VDW has been especially developed to absorb large radial and axial movements of pipelines. The dynamic VDW seal made of Rottolin is the ideal pipe movement compensator and is particularly suitable for pre-insulated pipe wall penetrations for constructions without sealing sheeting.

Advantages at a glance:

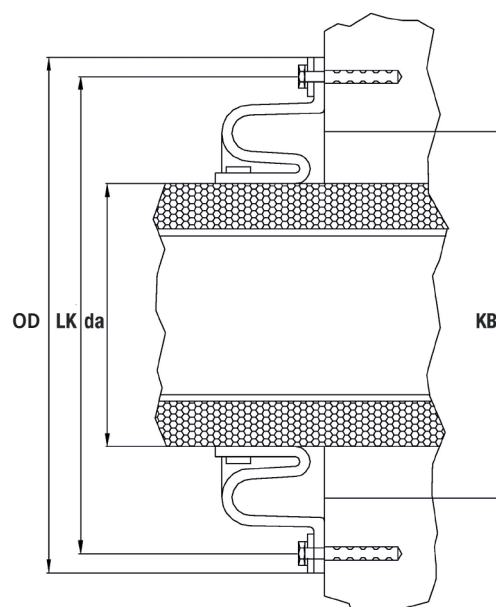
1. Supports axial and radial load changes up to +/-25 mm
2. Compensates pipe settlement up to 40 mm depending on outer diameter of pipe and core hole size
3. Leak-proof against pressing water up to 0.5 bar, MFPA tested
4. Including sealant and fixing material (bolts with anchor dowels)

Selection table

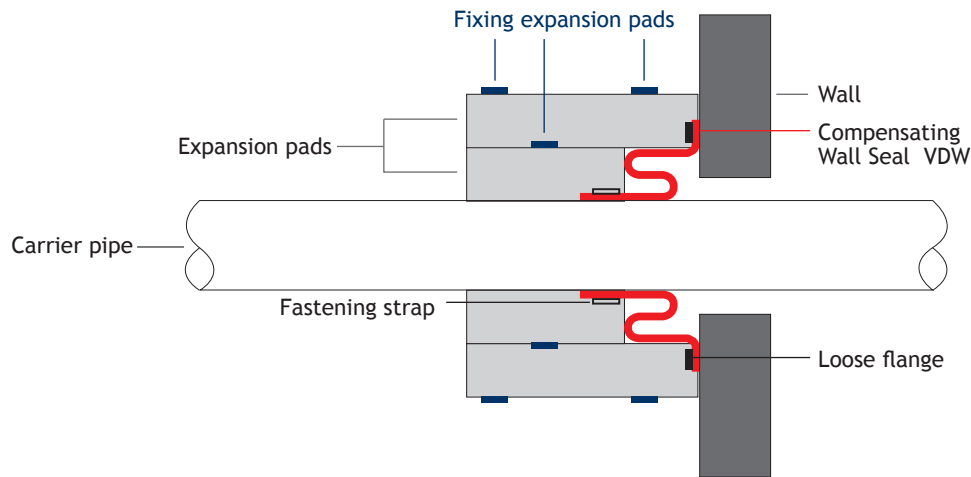
Outer diameter of pipe in mm	max. Core hole in mm	Outer diameter of Collar/Plate in mm	Bolt Circle Plate/Sleeve in mm
75	150	292	265
90	150	292	265
110	200	340	305
125	200	340	305
140	250	389	360
160	250	389	360
200	300	450	410
225	300	450	410
250	350	500	460
280	350	500	460
315	400	550	510
355	450	600	560
400	500	650	610
450	550	700	660
500	600	750	710
560	650	800	760
630	700	850	810

Technical Data:

Sleeve Material:	Rottolin
Material Thickness:	6-8 mm
Color:	Red
Shore Hardness A:	50 ± 5
Tensile Strength:	11 N/mm ²
Elongation:	400%
Tear Stength:	27 N/mm ²
Max. continuous operating temperature:	55 °C
Material pressure plate:	S304 (V2A)



APPLICATION RECOMMENDATION



Penetration through the wall “PSI Compensating Wall Seal VDW”

1. With a flush connection to the dynamic end seal one layer of expansion pads is wrapped around the carrier pipe. (Width of the expansion pad min. 50 cm). By means of adhesive tape, fastening straps, cable ties etc. it has to be fixed proper to the pipe, so that a moving or opening of the expansion pad layer is not possible during the backfilling process.
2. Step 1 needs to be repeated (layer by layer) until the the top layer of the expansion pad is flush with the wall -covering the dynamic end seal.
3. Finally one more layer of expansion pads is wrapped and fixed over the entire installation.
4. Finally, another layer is laid over the top layer and fixed.

GENERAL INFORMATION

The Dynamic Wall Seal PSI VDW® OD has been developed to seal wall penetrations to the wall. The flexible sleeve made of high quality Rottolin is able to compensate pipe bending and is suitable for non-moving pipes penetrating buildings without sealing sheet.

Advantages at a glance:

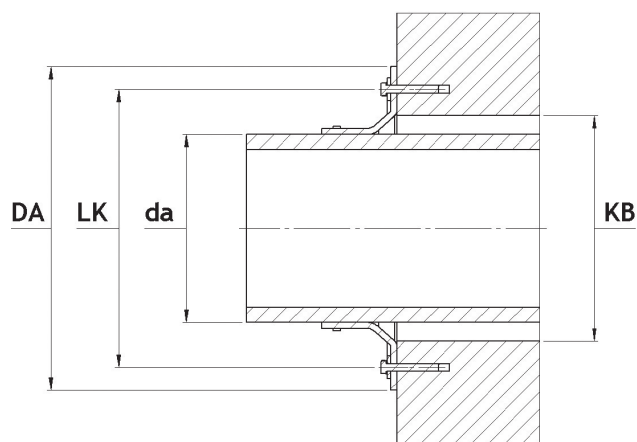
1. Pipe bending up to 20° can be reliably sealed
2. Pressure tight up to 0,5 bar
3. Including sealant and fixing material (bolts with anchor dowels)

Selection table

Outer diameter of pipe in mm		max. Core hole in mm	Outer diameter of Collar/Plate in mm	Bolt Circle Plate/Sleeve in mm
von	up to			
50	135	150	292	265
135	185	200	340	305
185	235	250	389	360
235	285	300	450	410
285	335	350	500	460
335	385	400	550	510
385	435	450	600	560
435	485	500	650	610
485	535	550	700	660
535	585	600	750	710
585	635	650	800	760
635	685	700	850	810
685	785	800	990	940
785	885	900	1060	1010

Technical Data:

Sleeve Material:	Rottolin
Material Thickness:	6-8 mm
Color:	Rot
Shore Hardness A:	ca. 50°
Tensile Strength:	11 N/mm ²
Elongation:	400%
Tear Stength:	27 N/mm ²
Max. continuous operating temperature:	55 °C
Material pressure plate:	S304 (V2A)



GENERAL INFORMATION

Casing end seals RottoX Temp are specially developed to provide a pressure-tight seal between carrier and casing pipes. The casing end seal is made of high-quality Rottolin and, thanks to its 9-11 mm thickness, it is particularly dimensionally stable and pressure-tight up to 1 bar. As a result of its exceptional flexibility, the casing end seal allows axial and radial movement between casing and carrier pipe. To ensure tightness, the annular space should be no larger than 70 mm. A special, permanently elastic adhesive sealant is sprayed from a cartridge on to the underside of the collar of the sealing sleeve, which is then secured over the casing and carrier pipe with two stainless steel fastening straps. Before backfilling, the casing end seal needs to be covered with foam pads.



Technical Data:

Material:	Rottolin
Material thickness:	9-11 mm
Color:	red
Shore hardness:	approx. 50°
Tensile strength:	11 N/mm ²
Elongation at breaking point:	400%
Tear strength:	27 N/mm
Max. continuous operating temp.	55 °C

