

Casing end seals in Rottolin

WATERTIGHT UNDER PRESSURE

When installing pipes for natural gas, oil, water etc., casing pipes are used where safety counts, that is for all kinds of underground installations under road crossings, highways and thoroughfares as well as in residential districts. The problem in all these cases is to keep the interior of the casing as dry and clean as possible in order to protect the carrier pipe and the inside of the casing pipe against corrosion.

All casing end seals are manufactured from materials with excellent resistance to ageing and high mechanical strength. They can also be produced with UV-resistant properties. We continuously expand our extensive range of casing end seals with new types to ensure solutions for all applications—even if not all types are included in the dimension table.



Construction



Contractor



Water



VVS



Energy



Oil



Gas



Industry



TECHNICAL INFORMATION TYPE VDW®, VDW® OD, STM® AND TEMP IN ROTTOLIN

Typ	Material	Shore	Tight for water	Tensile strength	Break point	Tear strength	Temp.	Assembly	Tension band
 VDW	ROTTOLIN 9-11 mm	50±5	Yes up to 1 bar	11 N/mm	400%	27 N/mm	Max 55°C	By new Installations /ask for after assembly	Stainless steel A2
VDW® has been developed specifically for large radial and axial movements in pipelines. Suitable for both wall/foundation and deck/ceiling penetrations of district heating pipes on buildings without sealing foils.									
 VDW OD	ROTTOLIN 9-11 mm	50±5	Yes up to 1 bar	11 N/mm	400%	27 N/mm	Max 55°C	By new Installations /ask for after assembly	Stainless steel A2
VDW® OD has been developed specifically for piping systems where pipes are angled up to 20°.									
 STM	ROTTOLIN 6-8 mm Reinforced version 9-11 mm Type TEMP	50±5	NO Yes up to 1 bar in 9-11 mm Type Temp	11 N/mm	400%	27 N/mm	Max 55°C	By new Installations /ask for after assembly	Stainless steel A2
This type is specially designed for extreme eccentricity or if multiple openings are required, e.g. for additional cable. The ring gap should not exceed 70 mm, if the ring gap is >70 mm, support segment should be used.									
 TEMP	ROTTOLIN 9-11 mm	50±5	Yes up to 1 bar	11 N/mm	400%	27 N/mm	Max 55°C	By new Installations /ask for after assembly	Stainless steel A2
Temp (FW) has been specially developed to provide a pressure-tight seal between media and casing pipes. The excellent flexibility can absorb axial and radial movements between the casing and the media tube. To ensure the integrity of the seal, the ring gap should not exceed 70 mm, if the ring gap is >70 mm, support segment should be used. A special, durable elastic sealant/adhesive is sprayed under the cuff all the way around. Before filling, the seal must be covered with an expanding sealant.									

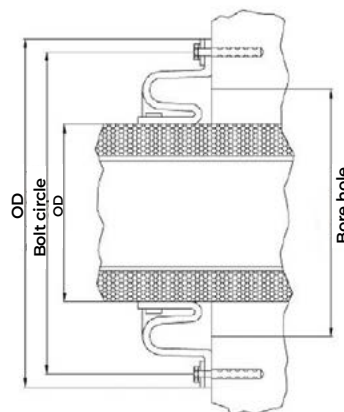
IMPORTANT INFORMATION: All Casing end Seals in Rottolin, can be supplied as UV-resistant upon request. Most Casing end Seals in Rottolin, can be manufactured with the possibility of large movement, both axial and radial.

Flexible Casing end Seal type VDW® and VDW® OD in Rottolin

Advantages by VDW® :

- 1. Support for load change axial and radial up to +/-25mm
- 2. VDW® compensates for eccentric laying of pipes, depending on pipe diameter up to 40 mm.
- 3. Waterproof up to 1 bar, MFPA tested.

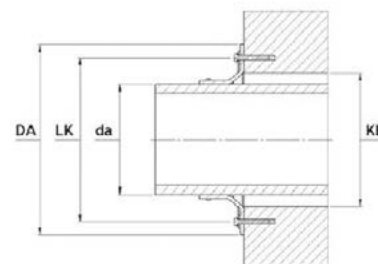
DIMENSIONSTABLE VDW®			
Pipe O.D. mm	Max. hole mm	O.D. pressure plate mm	Bolt circle pressure plate (mm)
75	150	292	265
90	150	292	265
110	200	340	305
125	200	340	305
140	250	389	360
160	250	389	360
200	300	450	410
225	300	450	410
250	350	500	460
280	350	500	460
315	400	550	510
355	450	600	560
400	500	650	610
450	550	700	660
500	600	750	710
560	650	800	760
630	700	850	810
670	800	990	-
710	800	990	-
810	900	1060	-
910	1000	1092	-



Advantages by VDW® OD:

- 1. VDW® OD compensates for angles up to 20°, depending on pipe dia.
- 2. Waterproof up to 1 bar.

DIMENSIONSTABLE VDW® OD				
Pipe dia in mm		Hole KB mm	Outside diameter on pressure plate DA (mm)	Bolt circle on-pressure plate LK (mm)
From	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

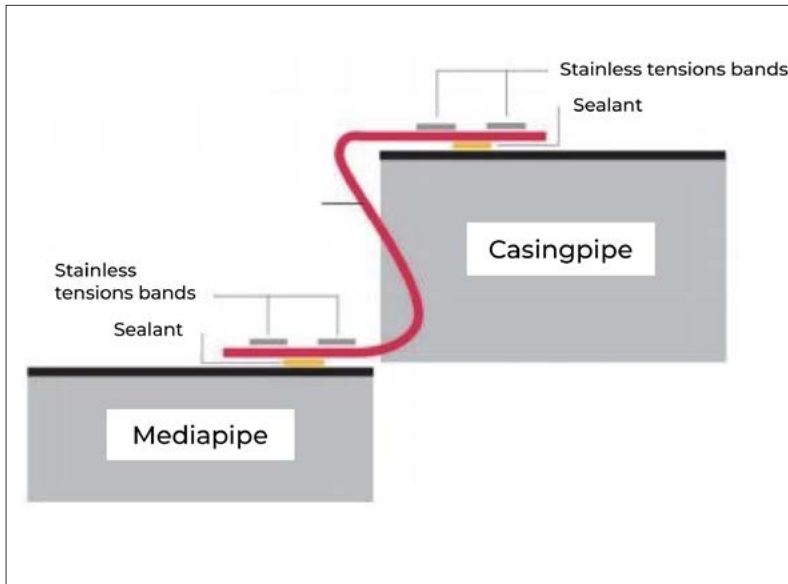


* The outer pipe diameter must be stated on request, and angle if any;

Casing end Seal type RottoX STM® TEMP i Rottolin

DIMENSIONSTABLE STM® AND TEMP

Manufactured to task in desired dimensions



Support segment



Certificates

To offer our customer the best possible quality and service, the producer are organized according to DIN EN ISO 9001:2015 and have this continuously checked and certified.

Certificate ISO 9001:2015

This certification documents the producers conformity of the quality management system.

AEO-certificates

Authorized Economic Operator "AEOC (customs simplification)"

- VDW® – MPFA Leipzig: Pressure tight when installed
- RottoX Temp – MPFA Leipzig: Pressure tight when installed

