

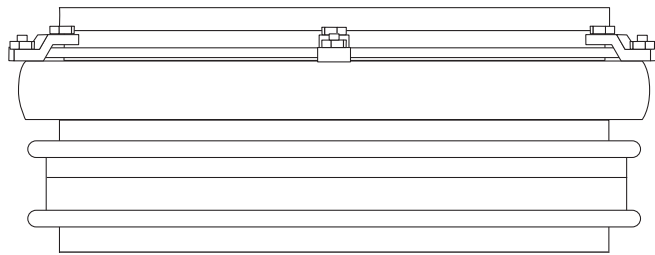
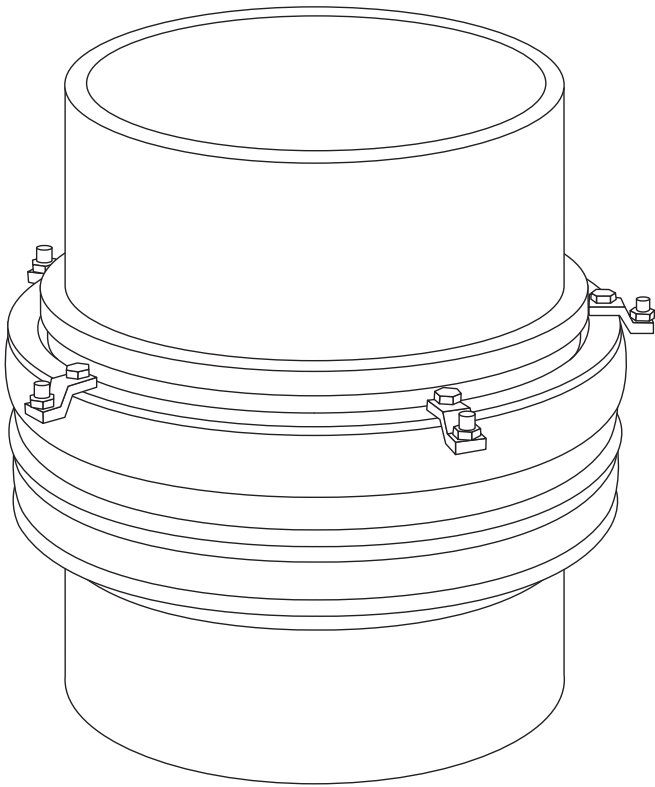
A movement friendly entry seal

Wisecure W801 is intended as a seal at embedments in concrete walls and floors. The seal is designed to function effectively in both high and low water pressure. W801 is also a so-called movement friendly seal, which allows for axial movement at the point of embedment. It is possible to adjust the seal after embedment and it can be fitted both inside or outside a concrete wall.

The seal can be used with all sorts of piping, such as plastic, steel, concrete, cast iron etc. and allows for generous axial movement on piping with a smooth surface. The special profile of the rubber ring creates an effective seal between the pipe and the concrete. A cavity in the larger ring is filled with grease to obtain easy axial movement and ensure that the grease prevents water seeping through any possible scratches on the piping. Pressure from the clamping ring causes the seal to expand while at the same time the pressure against the surrounding concrete increases and the grease is forced out through the sealing groove.

The sealing ring is made of EPDM-rubber with a hardness of 40 ± 5 IRHD. The material satisfies the demands in the European standard EN 681- 1 and Construction Products Regulation (CPR). W801 seal have a very good durability against alkaline grow after embedment in concrete.

The hose clip is supplied as a standard component in stainless steel (W5, AISI 316). The maximum continuous working temperature for rubber material is $+ 45\text{o C}$. The seal can shortly be exposed to a temperature of $+ 95\text{o C}$.



AXIAL MOVEMENT



FROM 110 MM & UPWARDS



ALL TYPES OF PIPES



TEMPERATURE RANGE



SMART AUTO LUBRICATION



TESTED BY FFI INSTITUTE

DIMENSIONS OD IN MM / ART.NO.

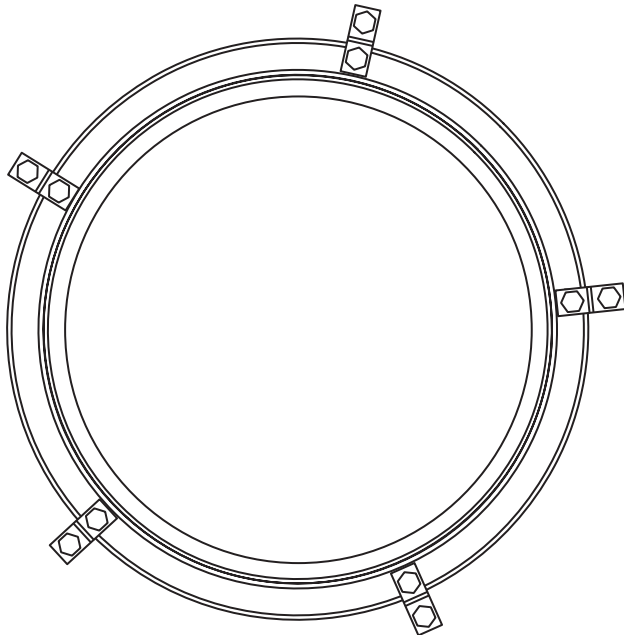
PIPE OD	ART. NO	PIPE OD	ART. NO	PIPE OD	ART. NO	PIPE OD	ART. NO
110	1659204	200	1816100	355	1816604	630	1817104
125	1659302	225	1816205	400	1816702	710	1817202
140	1659400	250	1816303	450	1816800	800	1817300
160	1659505	280	1816401	500	1816905	900	1818206
180	1672000	315	1816506	560	1817006	1000	1818500

We can also supply special sealing rings in the dimension you require from dimension 200mm and up.

The building entry seal W801 is intended as a seal at embedments in concrete walls and floors. The special profile of the rubber ring creates an effective seal between the pipe and the concrete.

The seals in the W800-systems have successfully passed the function sealing test at Studsvik AB, Sweden and Fernwärme-Forschungsinstitut in Hannover, Germany.

Handles axial movement inside and out



Wisecure W801 can be used for all types of pipe material. The solution permits great axial movement in pipes with a smooth surface, which means that the seal between the pipe and the concrete is maintained. W801 is also adjustable after fitting and can be fitted on the inside or outside of the wall.

Special seal for water and radon when pouring round pipes into concrete walls and floors.

Rubber material: EPDM, 40 ° ± 5 ° IRHD.

Meets requirements according to the material standard EN 681-1, table 2.

CE marked: Meets requirements according to the EU Construction Products Ordinance. (CPR)

Hose clamp: Acid-resistant steel, W5, AISI 316

Clamping ring, claw: Hot-dip galvanized steel, S235 JRG 2

Expander bolt: Hot-dip galvanized steel

Lubricant: Polyalkylene glycol

Previous tests show that the application can handle 0.74 bar water pressure at standstill and 0.2 bar at axial movement.

The internate tester 2014 shows that the application can handle more than 2.5 bars in and external water pressure when stationary.

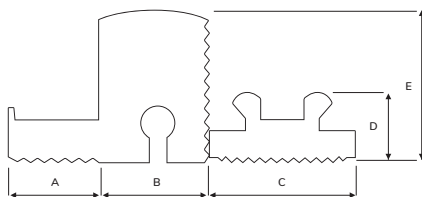
Mounting instructions

1. Make a round hole in the inner mould wall for the grease groove sealing flange. The hole in the outer mould wall should be a little larger than the pipe's diameter.

2. Fill the grease groove with the supplied lubricant. Mount both the rubber rings on the pipe. Press the rings against the inner wall (the larger ring clamping flange will go through the wall), tighten all hose clips so that good contact is achieved between the pipe and the rubber ring around the entire circumference of the pipe.

Should the pipe be exposed to axial movement, the part of the pipe not covered by the rubber rings should be protected with, for example, tar paper. This is to avoid direct contact with the pipe during casting.

3. Reinforce and cast the concrete wall. Vibrate the concrete to ensure a good connection against the rubber rings.



DIMENSION (MM)	A	B
16-180	40	22
200-1000	50	27

4. After removing the mould walls drill holes in the wall for the clamping bolts. Use a clamping dog as a jig. Position the end clamping dogs max. 50 mm from the open end of the clamping rings. Position the remaining clamping dogs evenly around the pipe.

5. Mount the clamping rings and the clamping dogs. Adjust the clamping ring so that it presses against the rubber rings only and not against the wall. Tighten the clamping dogs so that the grease-groove sealing is pressed against the concrete wall. Correct clamping force is reached exactly when the clamping dog rises. Check that the outer hose ring clip is correctly mounted.

THE NUMBER OF CLAMPING DOGS REQUIRED FOR THE PIPES:

110-315	8 UNITS
355 - 560	10 UNITS
630 - 710	12 UNITS
800 - 1000	16 UNITS

W801- seal can be partly dismantled and adjusted after casting. Please contact us for alternative suggestions for mounting.

