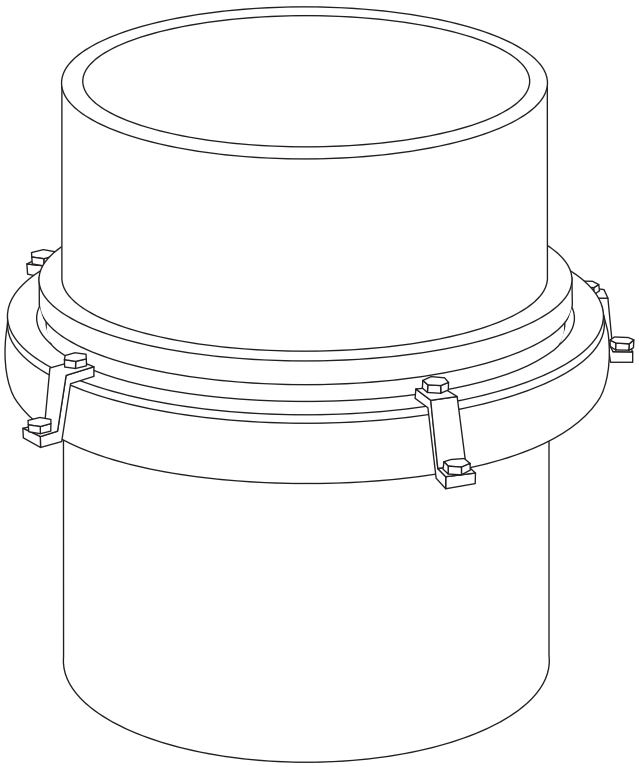
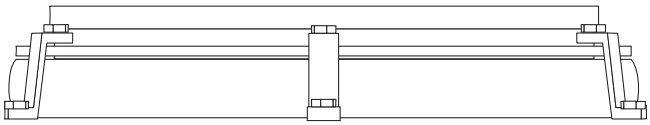




Strong, smart and most secure repair seal

The W804 can be used with all sorts of piping, e.g. plastic, steel, concrete etc. and allows for generous axial movement of piping with a smooth surface.

The special profile of the rubber sealing ring creates an efficient seal between the pipe and the concrete. A cavity in the rubber ring is filled with grease in order to achieve a movement friendly seal. At the same time the grease prevents any water leaking through the seal where the piping may be scratched.

The pressure of the clamping ring causes the seal to expand while simultaneously causing the pressure against the wall and floor to increase forcing the grease out from the sealing groove.

The sealing ring is made of EPDM-rubber with a hardness of 40o ± 5o IRHD. The material satifies the demands in the European standard EN 681- 1 and Construction Products Regulation (CPR). W804 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 continuos working temperature for rubber material is + 45o C. The seal can shortly be exposed to a temperature of + 95o C.

AXIAL MOVEMENT

FROM 110 MM & UPWARDS

PVC

ALL TYPES OF PIPES

-55C +95 C

TEMPERATURE RANGE

SAL

SMART AUTO LUBRICATION

FFI

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	4659240	200	4826502	355	4827002	630	4827506
125	4659345	225	4826600	400	4827100	710	4827604
140	4659443	250	4826705	450	4827205	800	4827702
160	4659541	280	4826803	500	4827303	900	4827800
180	4672043	315	4826901	560	4827401	1000	4827905

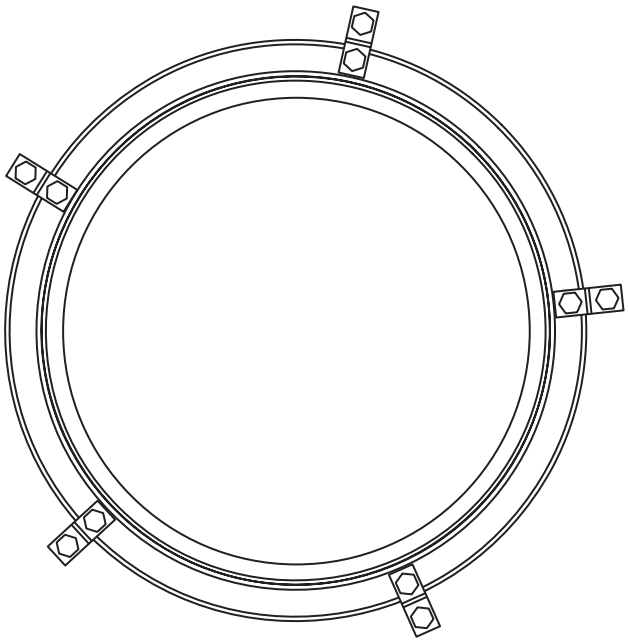
We can also supply special sealing rings in the dimension you require from dimension 200mm and up.

Wisecure W804 building entry seal is intended for sealing piping in drilled holes in concrete walls and floors. This sealing variant does not require any concrete casting. The W804 provides so-called movement friendly sealing which allows for axial movement of the pipe. The seal is adjustable and can be mounted inside or outside the concrete wall.

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

WISECURE
BEFORE IT HAPPENS

We believe in a future where no person needs to get harmed. The way we do that is by finding secure, safe and smart solution that prevents unnecessary accidents from happening, we sell great proactive solutions. WiSecure AB, Stuartsgatan 1, SE-504 68 Borås, +46(0)33-10 04 40, info@wisecure.se www.wisecure.se



Handles axial movement inside and out

Specially produced as a barrier against water in drilled holes in concrete walls and floors. This seal avoids the need for any concrete pouring around the pipe.

WiSecure™ W804 is also a movement-friendly seal that permits axial movement in the pipe and can be used for all types of pipe material.

Seal intended as a water seal for drilled holes in 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.
Sealing compound: 1-component sealant of polymerized oils.
Glue: Quick glue of cyanoacrylate.

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. Bore a hole in the concrete wall (see recommended hole diameters below), carefully in order to avoid flaking. Carefully clean the area for approx. 50 mm around the drilled hole. The concrete should be smooth and even and the hole should be free of rough edges. The pipe should also be clean where the seal is to be fitted.

Recommended diameter for the bored holes:
Outer diameter of pipe + 10 mm.

Maximum diameter for bored holes:
Outer diameter of pipe + 20 mm.

2. Fill the grease groove with the supplied lubricant. Then apply the sealant to the side of the ring facing the wall. Then mount the seal on the pipe.

3. Centre the pipe in the bored hole. Press the rubber ring against the concrete wall and fit the hose clip. Slightly tighten all hose clips so that good contact is achieved between the pipe and the rubber ring around the entire circumference of the pipe. Drill holes in wall for the expansion bolts. Use a clamping dog as a jig.
Position the end clamping dogs max. 50 mm from the end of the clamping rings. Position the remaining clamping dogs evenly around the pipe.

4. Mount the clamping rings and clamping dogs. Adjust, if necessary, the clamping ring so that it has good contact with the rubber ring. Press the clamping ring behind the screw holder of the hose clip. Tighten the clamping dogs so that the seal is pressed against the wall making the unit watertight. Correct clamping force is reached exactly when the clamping dog rises. Adjust and tighten the hose clip. Make further adjustments of the clamping dogs and hose clips if necessary.

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

DIMENSION (MM)	A	B	E
110-180	26	25	37
200-1000	26	31	44