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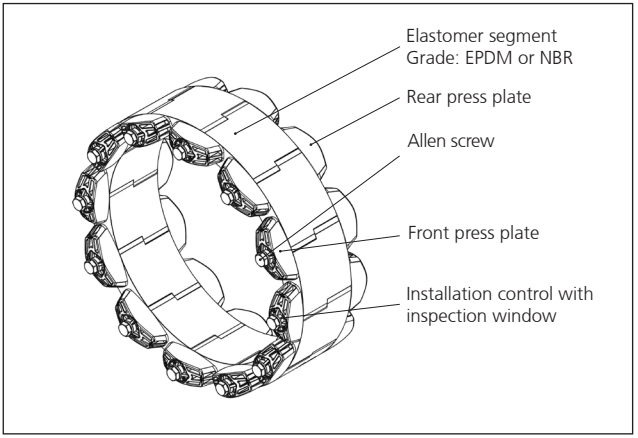
WA-modular seal links wrap around a pipe to fill the annular space



Pipe sealing links, WA - Pipe Modular seals provide watertight solutions when pipe passage is required into buildings and waterworks structures.

Improvement to standard link seals, WA- pipe seal links have a special torque window to inform the installer when optimum torque is attained. EDPM, NBR or Silicone are the seal elements. The bolting hardware is always 316L stainless.

Compression plates are a monolithic design where tightening nuts are embedded in the plate - no loss parts.

PARTNER WITH THE BEST - USA - CANADA
PIPE THROUGHT WALL WATERTIGHT SOLUTIONS

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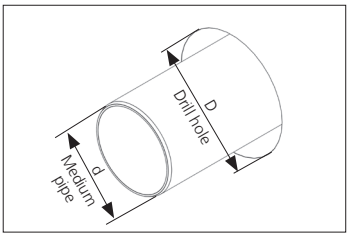
Installation



Clean the core drilling/wall sleeve as well as the medium pipe in the area where **the modular seal will be installed.**

- With the aid of the calculation program, compare and check the diameter (D) of the core drilling/wall sleeve as well as the diameter (d) of the medium pipe with the data for the modular seal.
- Any breaks in a core drilling must be repaired before the modular seal is installed.
- Ensure that the medium pipe is centred and horizontal in the core drilling/wall sleeve (see Figs.:1 and 2).

Fig.: 1

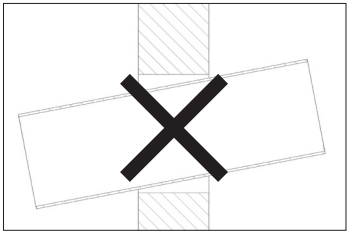
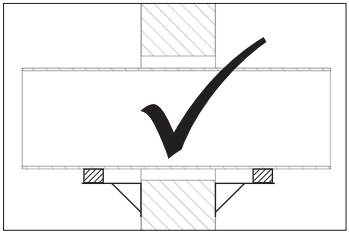
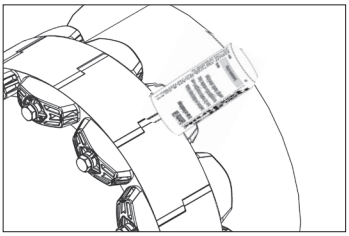


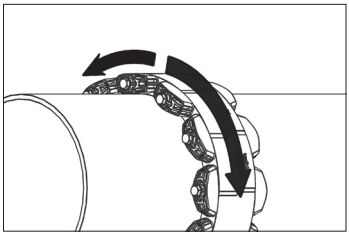
Fig.: 2



Next, place the open modular seal **- centered and reversed - over the medium pipe-** and apply a light coat of GM special lubricant to the joints of the individual sealing modules.

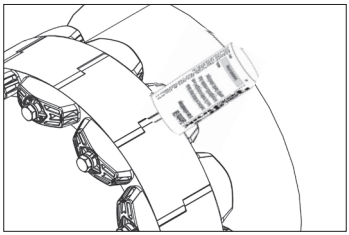


Then, **turn over the modular seal again** and place it around the medium pipe so that the screw heads point in the installation direction.

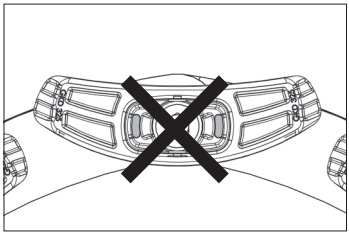


Apply a light coat of GM special lubricant to the joints of the individual sealing modules on the outside of the seal.

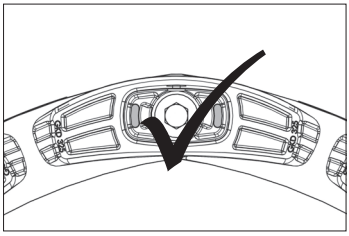
On types 300, 315, 325 and 425,
the individual press plates must be aligned before the modular seal is closed (see details 1 and 2).



Detail 1

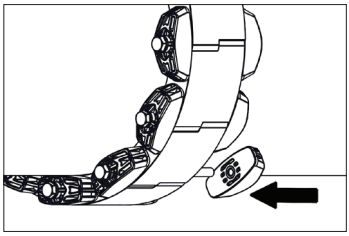


Detail 2



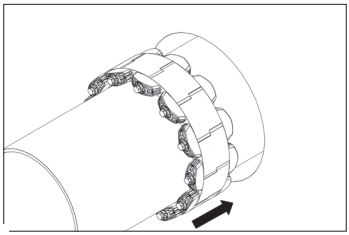
Next, remove one pressure plate at the end of the modular seal and join the two ends to form a closed ring. Then reattach the previously removed press plate.

Slight sagging of the modular seal is normal. It is not necessary to remove individual sealing modules.



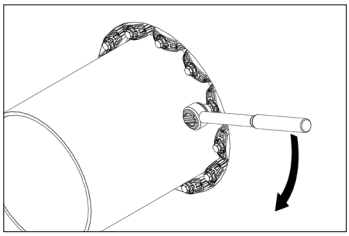
Next, slide the closed modular seal into the annular space completely.

The modular seal must sit in the wall opening to such an extent that the outer press plates protrude **at least halfway** into the wall opening and cannot rotate.



Now, moving in the clockwise direction, tighten each screw in succession 5 turns, starting at the 12 o'clock position **(do not tighten crosswise!)** until a solid yellow background is visible in the installation control inspection windows **(see detail)**.
Refer to Table 1 below for the appropriate socket sizes.

Re - tightening of the screws is not necessary.



Detail: Installation control

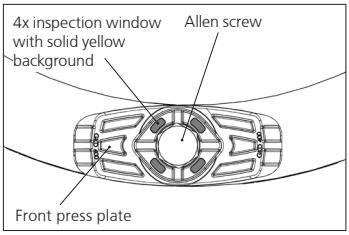


Table 1

Code	min. required wall thickness (mm)	Allen screw	Hexagon screw	Socket MM
WA 300	100	M8		6
WA 315	100	M8		6
WA 325	110	M8		6
WA 400	150		M10	17
WA 425	125		M10	17
WA 440	150		M10	17
WA 475	150		M10	17
WA 500	165		M12	19
WA 525	165		M12	19
WA 575	165		M12	19
WA 615	205		M16	24
WA 650	165		M12	19

What to do if...?

Problem	Cause and remedy
The modular seal cannot be installed fully in the wall sleeve/core drilling.	One or more press plates is protruding. • The press plates must be aligned. Depending on the type, certain press plates have a radius. In this case, the radius must be in contact with the medium pipe.
The surface of the elastomer has irregularities.	The modular seal was stored or installed at too high a temperature. • The modular seal must be exchanged.
The inspection windows of the modular seal are filled unevenly or not filled.	The modular seal was or individual elements were already installed once before. • The yellow installation control functions only once. If the seal is being installed a 2nd time, a torque spanner must be used. The corresponding torques for a repeated installation are listed in Table 2 below.
The inspection windows of the modular seal are not filled.	The modular seal was stored or installed at too low a temperature (< 5°C). • The modular seal must be installed with a torque spanner. The corresponding torques for installation of elastomers subjected to cold are listed in Table 2 below.
The inspection windows of the modular seal are filled unevenly.	The modular seal was tightened unevenly. • The modular seal must be loosened again and installed with a torque spanner. The corresponding torques for a repeated installation are listed in Table 2 below.

Table 2

Code	max. Tightening torque	Type	max. Tightening torque
WA 300	8 Nm	WA 475	27 Nm
WA 315	8 Nm	WA 500	65 Nm
WA 325	8 Nm	WA 525	65 Nm
WA 400	27 Nm	WA 575	65 Nm
WA 425	27 Nm	WA 615	110 Nm
WA 440	27 Nm	WA 650	65 Nm

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NEW WA-GKD 72 psi Modular Seals Fits All Pipe Sizes
Modular Seals Install Guide With Correct Bolt Torque Windows

DROP APPLY
STEP 1

CONNECT BELT
STEP 2

TIGHTEN SLIGHTLY
STEP 3

READY
STEP 4

PUSH INTO OPENING
STEP 5

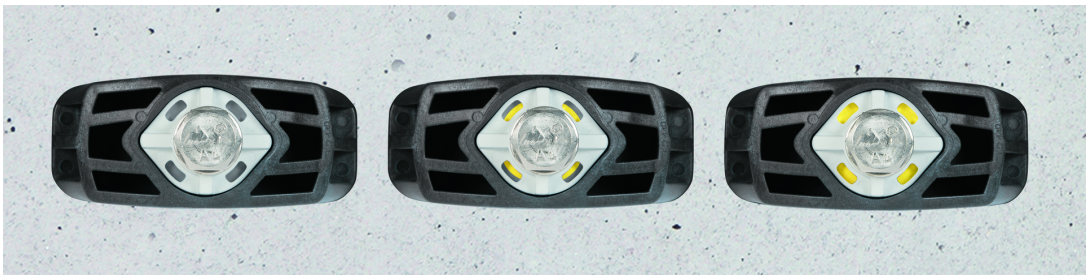
BELT READY
STEP 6

TIGHTEN CLOCKWISE 12-1 -2
STEP 7

ALL WINDOWS YELLOW

Final Inspection

All windows
Yellow indicators
Re-Torque
If Yellow indicators
Not in View



START

FINISH