



CaseCore Link Seal Installation Guide



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● INSTALLATION GUIDE

Before You Begin

Before installing the **CaseCore Link Seal**, ensure the following requirements are met to achieve optimum sealing performance.

- The **carrier pipe must be correctly centred and adequately supported**, particularly before backfilling. The **CaseCore Link Seal** is designed solely as a sealing system and **must not be used as a structural support or fixed anchor point**.
- Where required, the concrete surface of the **core hole or wall sleeve** may be coated with epoxy resin to protect exposed concrete and reinforcing steel. A smooth surface also improves sealing performance by filling minor voids and imperfections.
- Thoroughly clean the **carrier pipe, core hole, and wall sleeve** to remove dirt, dust, grease and other contaminants before installation.
- **CaseCore Link Seal is not suitable for spiral-wound pipes.**



Step 1 – Assemble the Seal

Connect the CaseCore Link Seal elements to form a complete ring and adjust the pressure plates as required. Ensure that all bolt heads face outward, allowing easy access during installation and tightening.



Step 2 – Check the Seal Configuration

The assembled seal may appear slightly loose depending on the pipe diameter. Do not remove any sealing elements. The correct number of elements must always be installed as specified by the sizing calculation.

For smaller carrier pipe diameters, it may be necessary to gently stretch the assembled ring before positioning it around the pipe.

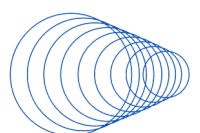


Step 3 – Position the Seal

Place the assembled CaseCore Link Seal into the annular space between the carrier pipe and the wall sleeve or core hole.

For best results:

- Begin inserting the seal at the 6 o'clock position.
- Continue working evenly around both sides towards the 12 o'clock position.
- Ensure the bolt heads remain accessible once the seal is fully positioned.





Step 4 – Tighten the Bolts

Using a calibrated torque wrench, begin tightening the bolts from the 12 o'clock position.

- Tighten each bolt evenly by approximately 4–5 turns.
- Continue tightening in a clockwise sequence until the specified installation torque is achieved.
- Confirm that the rubber sealing elements compress evenly between the pressure plates.

Important: Do not use impact drivers or powered tightening tools, as excessive torque may damage the seal.



Step 5 – Recheck the Installation

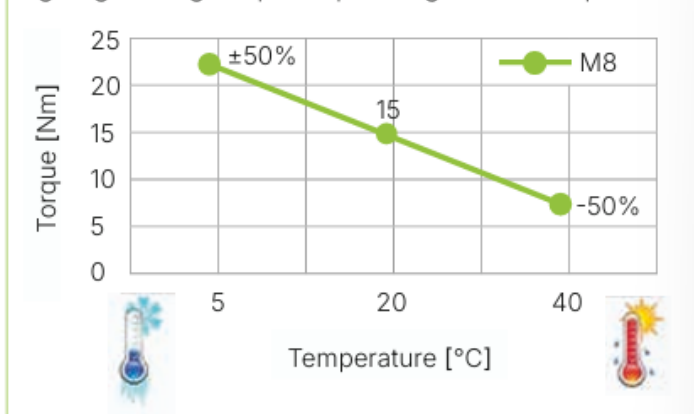
Approximately two hours after installation, recheck all bolts and tighten them to the specified torque if required.

For larger seal sizes (particularly IL500 and above) or installations carried out in ambient temperatures below 10°C, additional torque checks are recommended until the specified installation torque is maintained.

RECOMMENDED TIGHTENING TORQUE

Type	Bolt Size	Type C and S 316SS	Type BS and BS 316SS
IL 100	M4	1 Nm	1 Nm
IL 200 up to IL 275	M5	1.5 Nm	1 Nm
IL 300 up to IL 360	M6	5 Nm	4 Nm
IL 400 up to IL 475	M8	15 Nm	12 Nm
IL 500 up to IL 575	M10	30 Nm	22 Nm
IL 615 up to IL 700	M12	60 Nm	48 Nm

e.g. Tightening torque depending on the temperature



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