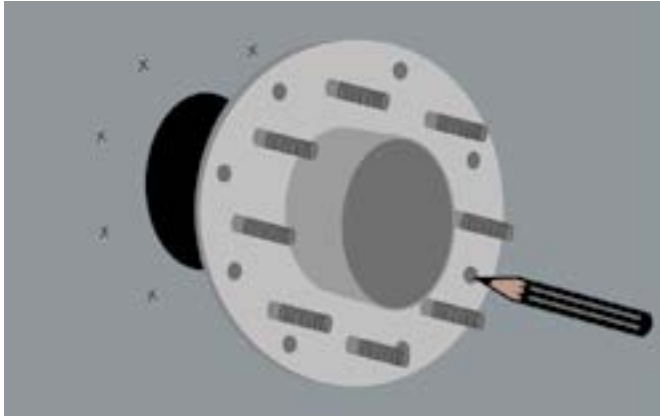
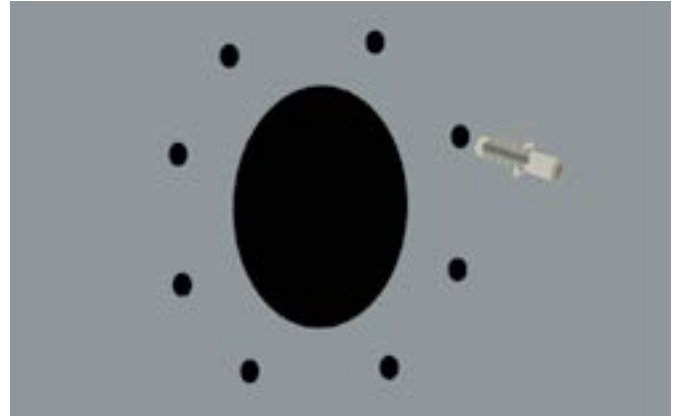


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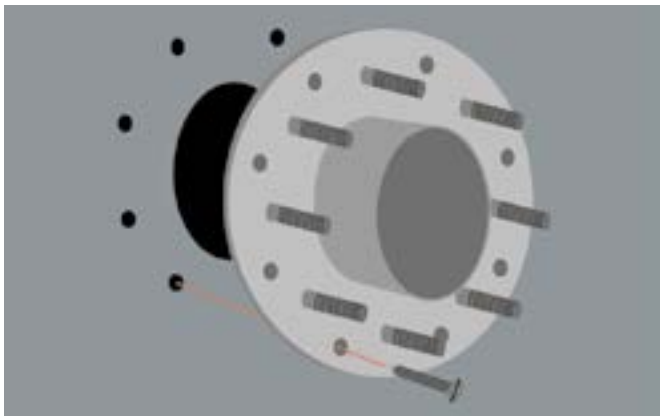
INSTALLATION INSTRUCTION



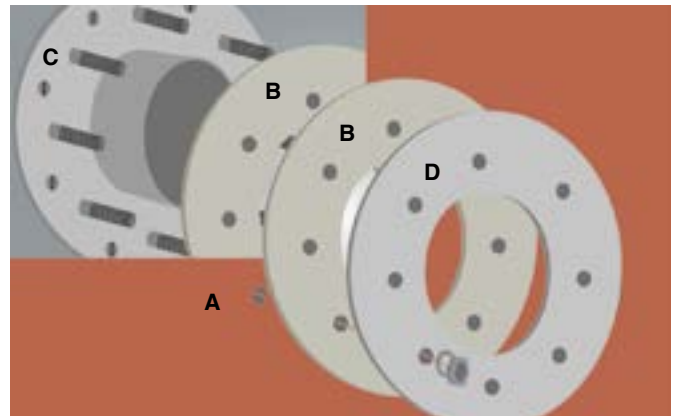
Hold casing pipe against the wall and mark dowel holes.
Please note: Position the casing pipe centrally to the pipe if the pipe has already been laid!



Bore the dowel holes and place the dowels.



Fasten the casing pipe to the wall by tightening the screws.

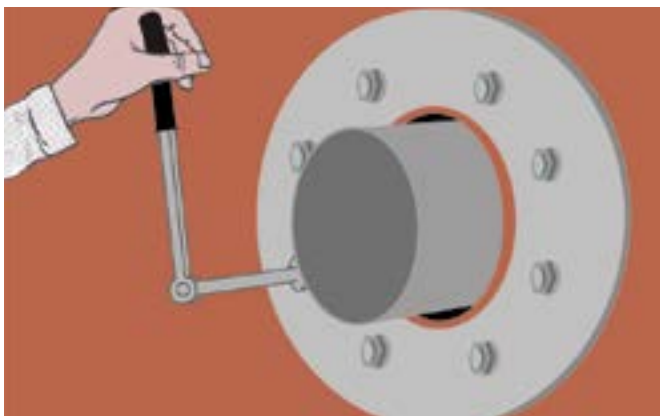


For loose and bonded sealing sheetings

Lay sealing sheeting / mount loose flange

- Cut the sealing sheeting and install, if necessary, inserts made of the sealing sheeting material (in accordance with manufacturer's specification) on both sides of the sealing sheeting(s).
Alternative: ready-made inserts*
- Place the inserts and the sealing sheeting on the fixed flange construction.
- Fit the loose flange.
Warning: Mount the bevelled side facing the sealing sheeting.

* Please order inserts separately



Brace the sealing sheeting – Tighten the nuts crosswise several times to brace the sealing sheeting.

Please bear in mind:
torques according to sheeting manufacturer's specification or to DIN 18195 (see table).

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INSTALLATION INSTRUCTION

Warning: Please observe the sheeting manufacture's standard torque values or DIN 18533 when tightening the nuts

Type of sealing coat	Torque* for M12 (Nm)	Torque* for M20 (Nm)
For KMB (polymer modified high build coatings)	30	100
Bare bitumen sheetings according to DIN 52129-R 500 N	12	50
PIB bonded with bitument	12	50
Bitumen sheetings and polymer bitumen sheetings according to DIN 18533-2:2015-12, table 1 with glass fabric lining material	15	65
Bitumen sheetings and polymer bitumen sheetings according to DIN 18533-2:2015-12, table 1 with polyester fleece or copper platelining material	20	80
500 N + 1 Cu	20	1. Tightening 100 2. und 3. Tightening 80
ECB sheetings, PVC-P sheetings, elastomer sheetings and EVA sheetings bonded with bitumen according to DIN 18533-2:2015-12, table 3	20	80
R 500 N + 2x Cu	30	1. Tightening 120 2. Tightening 100 3. Tightening 80
Plastic seals loosely laid according to DIN 18533-2:2015-12, table 3	30	100

* torque in accordance with DIN 18533-1:2015-12, table A.2 for tripple tightening