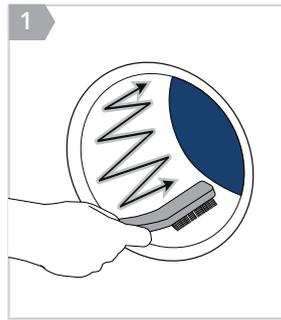


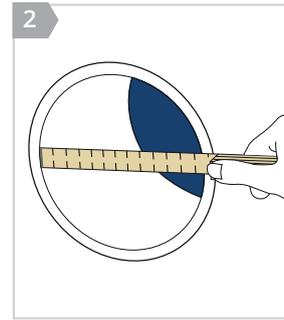
RGP INS-2025-Rev. A

A

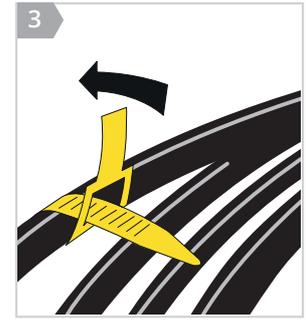
Dimensions for pipes and drilled holes			
RGP type	RGP ID mm	RGP type	RGP ID Inches
RGP 50	50-51	RGP 2"	1.97-2.01"
RGP 70	70-71	RGP 3"	3-3.04"
RGP 100	100-102	RGP 4"	4-4.08"
RGP 125	125-127	RGP 5"	5-5.08"
RGP 150	150-152	RGP 6"	6-6.08"
RGP 200	200-202	RGP 8"	8-8.08"
RGP 300	301.5-304	RGP 11.8"	11.87"-11.96"



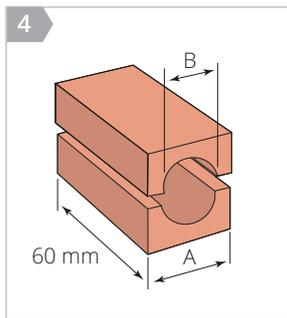
1 Clean the aperture.



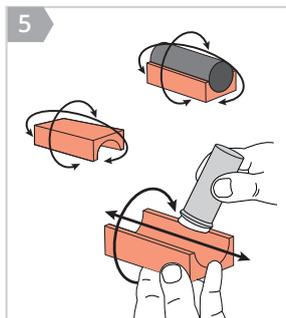
2 Measure and verify the aperture.



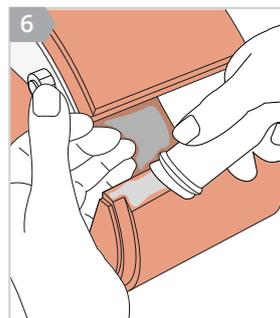
3 Measure the diameter of the cables and choose suitable blocks.



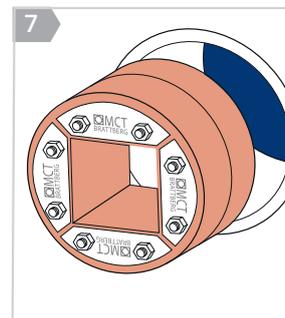
4 Insert Blocks are identified by their width (A) and hole diameter (B).



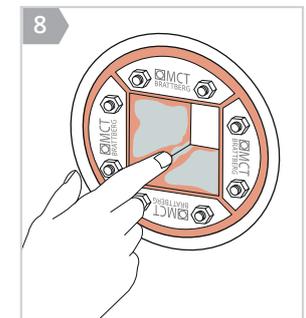
5 Lubricate all sealing surfaces on the Insert Blocks.



6 Lubricate inside the cut of the RGP thoroughly.



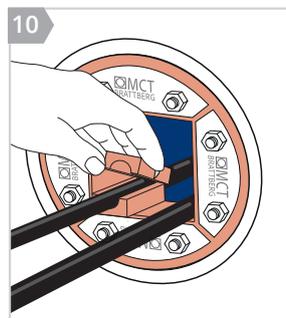
7 Insert the RGP frame in the opening. No lubricant should be applied to the hole or to the outside of the RGP.



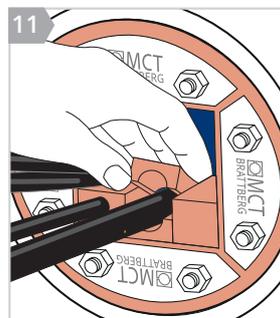
8 Lubricate the inside of the RGP thoroughly, especially into the corners.



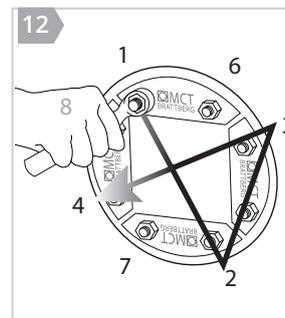
9 Route the cables/pipes through.



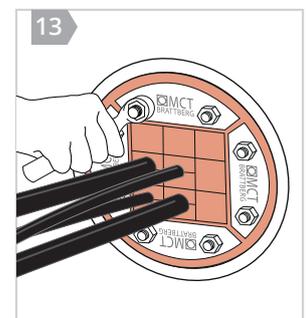
10 Insert the blocks according to your packing plan. The cables/pipes shall be parallel to the RGP.



11 Continue to fill the transit considering your RGPlan.

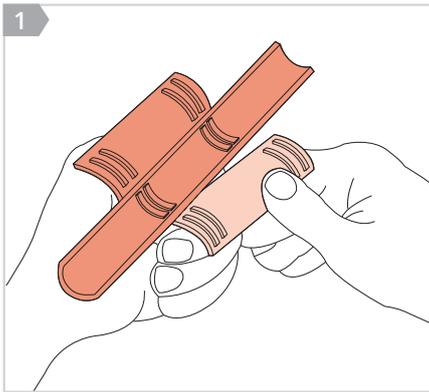


12 Tighten the nuts in diagonal order.

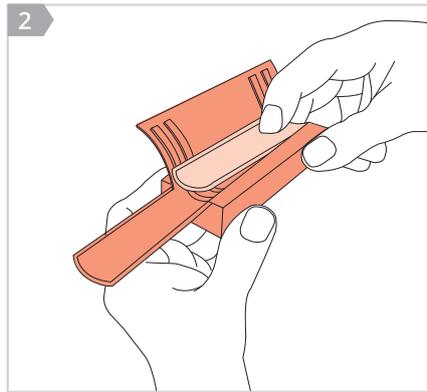


13 Tighten until 10-12 mm (0,39"-0,47") of thread is visible.

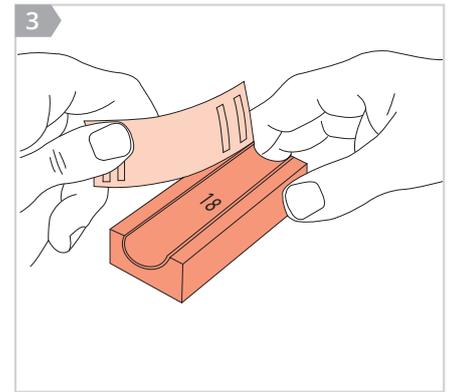
AddBlock



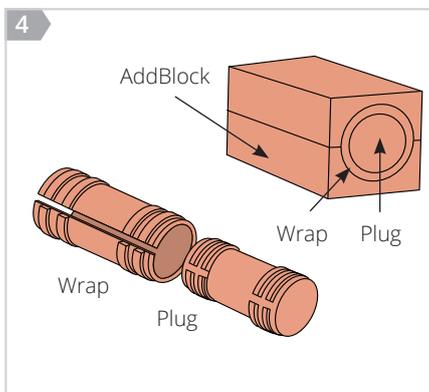
1
Tear off attached sheet to fit the dimension selected.



2
Place sheet into centre slot and affix it with the unique locking device.

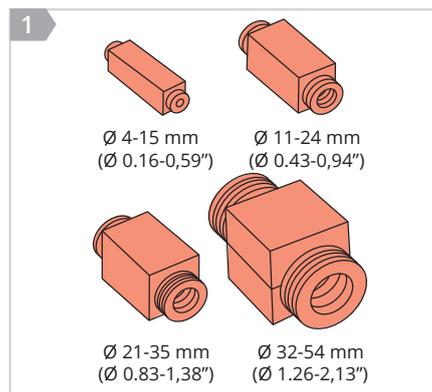


3
Tear off superfluous sheets.

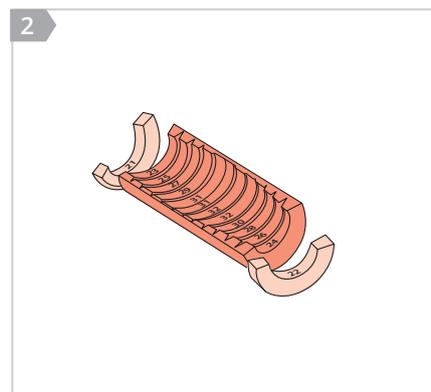


4
Plugs for AddBlock

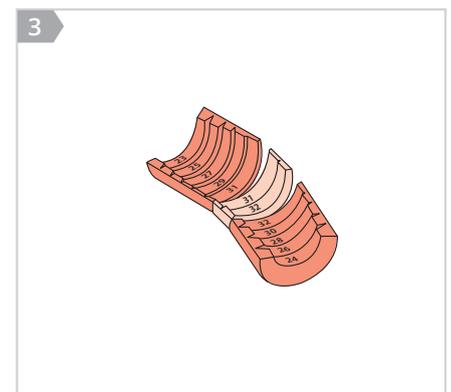
Handiblock



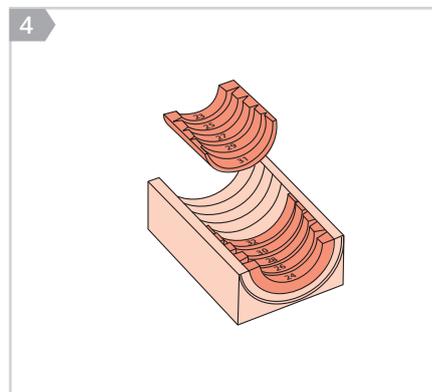
Select the HandiBlock that fits the cable / tube.



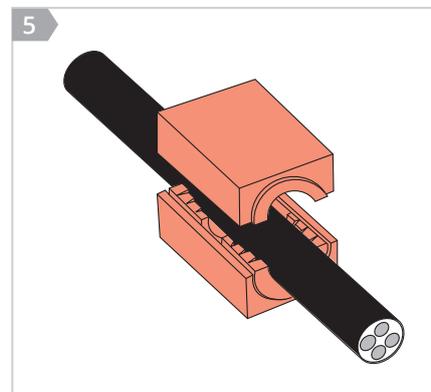
Select the two compression rings closest to the cable diameter. Remove all compression rings smaller than the selected.



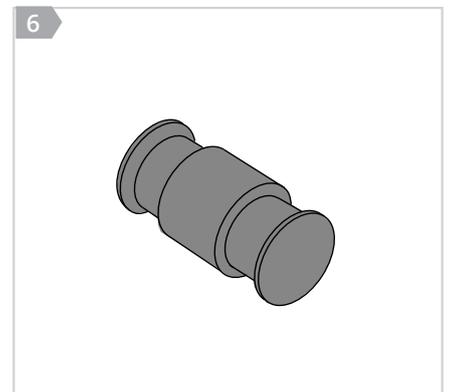
If the insert gets longer than the block, remove the current rings in the middle.



Place the two inserts in the main block so that the outermost rings are at the outer edge of the main block.

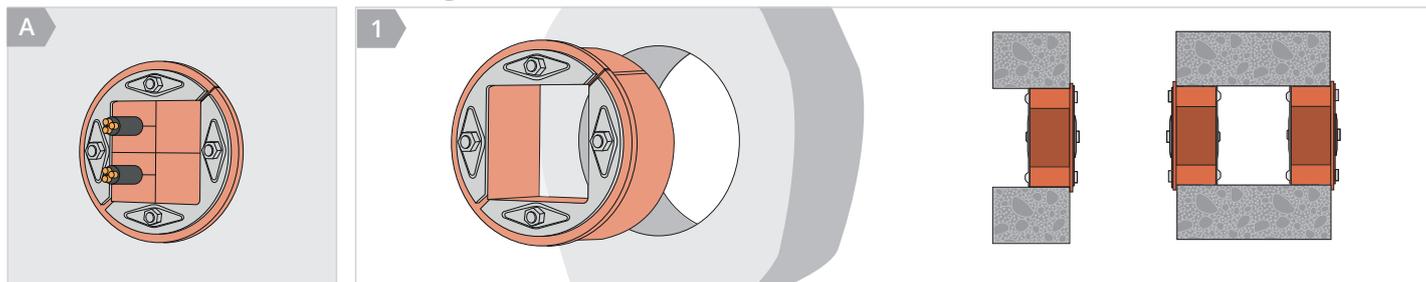


Build the second block half the same way. Insert the cable / tube and lay over the block half. Continue packing as shown in figure 4 on the left side.



Plugs for HandiBlock

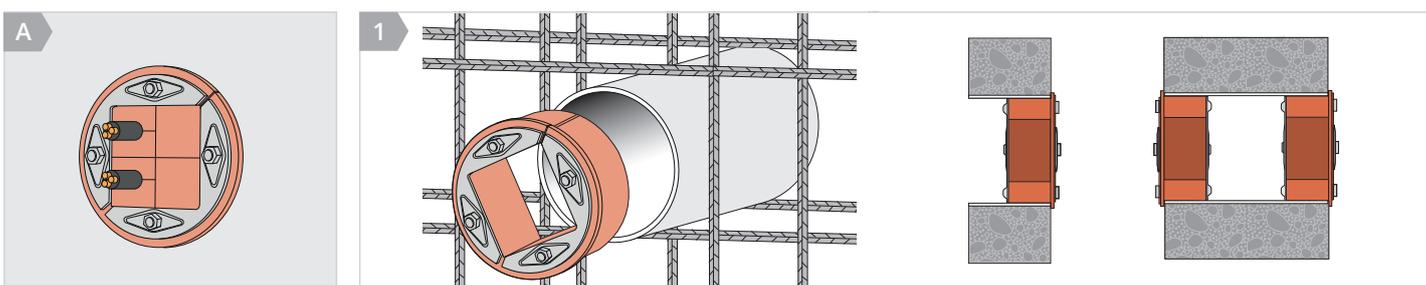
Installation Core drilling holes



RGP can be installed in core drilled or cast holes, or in a pipe that is cast in or bolted.

Casting is made easier if MCT Brattberg casting forms are used.

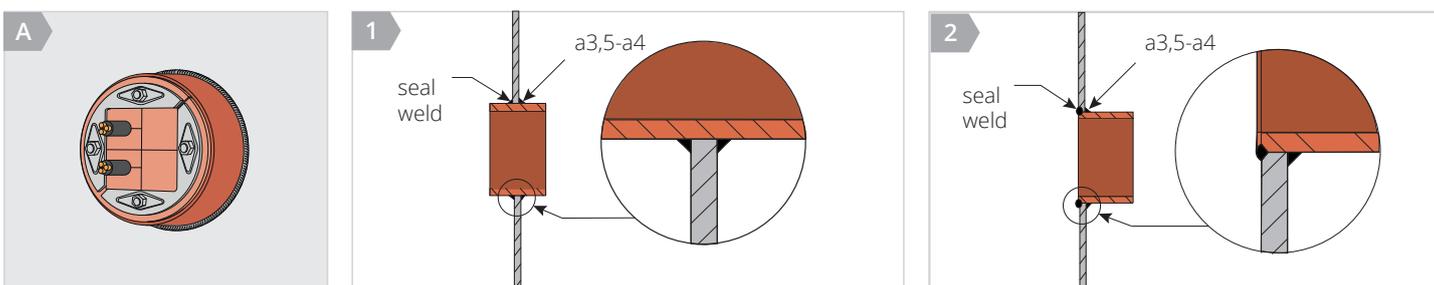
Installation Cast in



RGP can be installed in core drilled or cast holes, or in a pipe that is cast in or bolted.

Casting is made easier if MCT Brattberg casting forms are used.

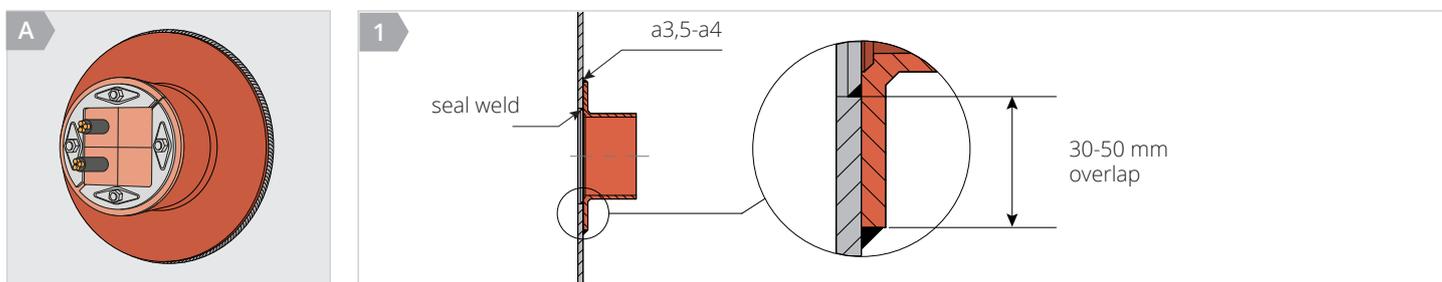
Installation S Sleeves



1. Position the S-type sleeve into the plate, maximum allowed root gap is 2 mm.
2. Tack weld in four places or every 100 mm around the sleeve.

3. Weld around the front side of the sleeve.
4. Complete by seal welding around the rear side of the sleeve

Installation SFR Sleeves



1. Center and position the SFR flange flat to the plate.
2. Tack weld on the front side of the SFR in four places or every 100 mm around the periphery.

3. Continue welding around the front side of the SFR.
4. Complete by seal welding around the rear side of the SFR.

! MCT Brattberg shall not be held responsible for any errors or consequences
• resulting from the use of incorrect geometric dimensions or cut-outs. In case of any uncertainty,
the customer is required to consult MCT Brattberg.
All details must always be verified against the official information drawings provided by MCT Brattberg.

! Our products are type-approved, and when installed in accordance with our instructions,
• they are designed and tested to maintain fire- and pressure-tight integrity under catastrophic conditions.
If verification after installation is required, the BTB arrangement may be used; otherwise,
please contact MCT Brattberg for further guidance.

! MCT Brattberg offers training either on-site or at one of our facilities.
• We consider it important to provide training for installers to ensure safety.
Depending on the arrangement, such training is usually provided free of charge.

! If the transit needs to be reinstalled, the insert blocks may be reused.
• However, this entirely depends on whether the blocks are in a condition that allows them to seal the transit
correctly, considering their age or any environmental impact. The installer is responsible for making this
assessment.

If the installer feels that a qualified assessment cannot be made, we recommend replacing all insert blocks
in the rows above the modification, and all insert blocks in the affected row must also be replaced.

! For assistance regarding product adaptation and use, please contact MCT Brattberg
• via switchboard +46 455 37 52 00.

! MCT Brattberg is not responsible for the environment in which the transit is installed.
•

! Never use unshielded cables with E-blocks. Unshielded cables must be EMC-protected using filters or
• scrubbers – do not mix shielded and unshielded cables.
Pipes act as an outer shield – MCT Brattberg provides solutions for this when using fibre optics.

! This instruction guide may be subject to revision and changes due to development and changes of the
• material and products. the data is derived from tests and experience. if not stated as minimum values, the
data is average data and should be treated as such. calculations should be verified by actual tests.
the data is furnished without liability for the company and does not constitute a warranty or representation
in respect of the material or its use.
The company reserves the right to release new instruction guides in replacement.

! Some cables have a transparent plastic film layer between the shield and the outer shell. If the
• installer is not aware of this, it is very easy to forget the plastic film, which causes absolute 0 dB
attenuation through the penetration, also affecting other cables in the same penetration.

! Installation limitations, such as maximum cable or pipe sizes and applicable configurations, are defined in
• the relevant Type Approval Certificate (TAC). These instructions and drawings shall be read in conjunction
with the applicable certificate to ensure compliance with all applicable approval certificates, rules, and
project-specific requirements.

! **Paint:**
•

We do not have any official requirements.
Any suitable paint may be applied, and the thickness can vary. If applied too thickly, it may make the system
harder to fit, but it will not compromise safety. We recommend no more than 100 Microns inside the frame
/ sleeve.

! **Note:**
•

There are cases user is forced to mix modules with the condition of a pressure limitation of 3 Bar, a mix
of different size modules beside a large module up to module size 90. This is for situations where it is not
possible to use Stayplate due to packing space or design.

Contact MCT Brattberg for more information.