MCT BRATTBERG

MCT Round transit

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	RGP3''	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	300-302	RGP 11.8''	11.8''-11.9''

Measure the opening and check that the measurement is within the tolerance range in the table.
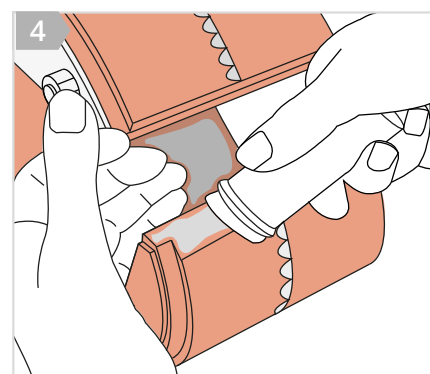
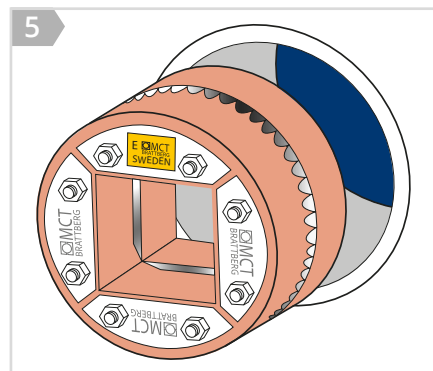**1**
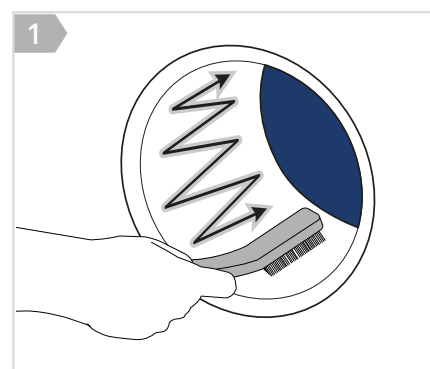
Clean the aperture.

2
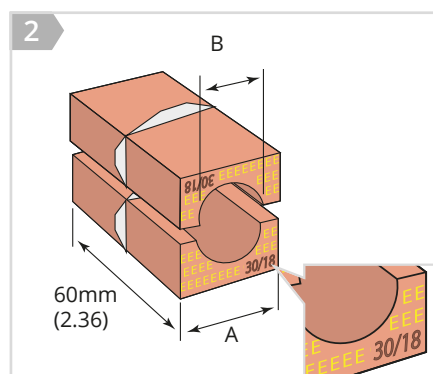
Insert Blocks are identified by their width (A) and hole diameter (B).
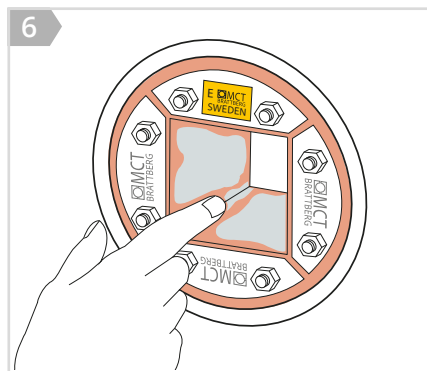
3
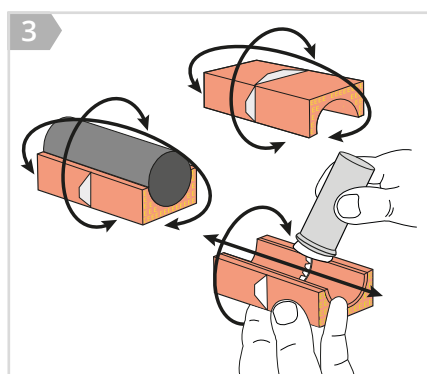
Lubricate all sealing surfaces on the Insert Blocks.
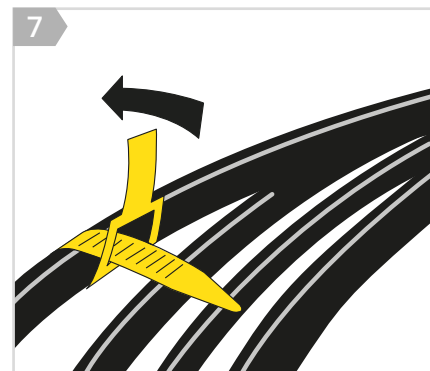
4

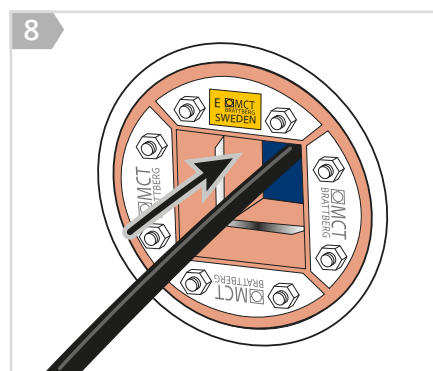Lubricate inside the cut of the RGP thoroughly.

5

Insert the RGP frame in the opening.
No lubricant should be applied to the hole or to the outside of the RGP.
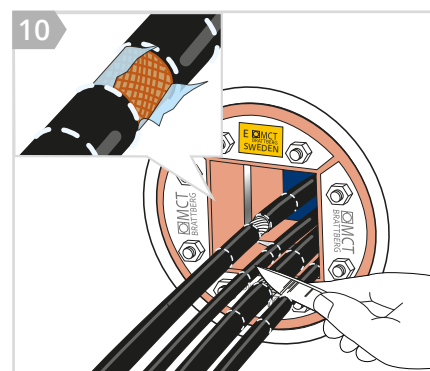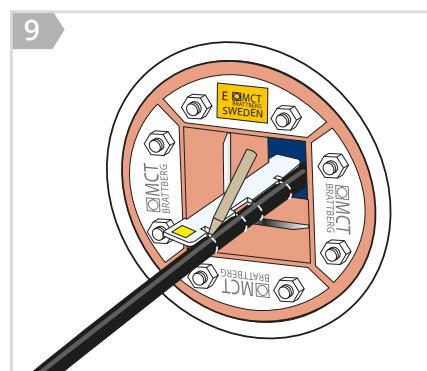
6

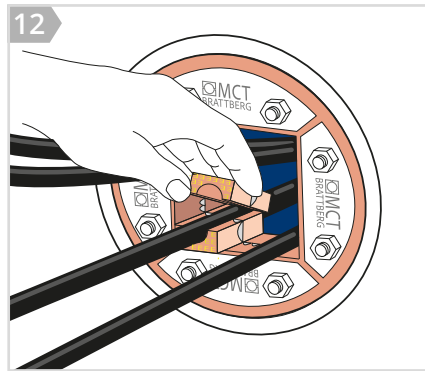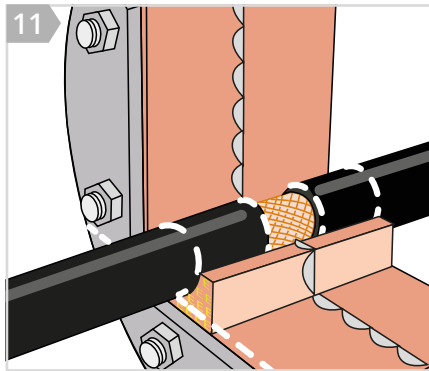Lubricate the inside of the RGP thoroughly, especially into the corners.

7

Measure the diameter of the cables and choose suitableblocks.

8

Route the cables/pipes through.

9

10

MCT Round transit

Insert the blocks according to your packing plan. The cables/pipes shall be parallel to the RGP.
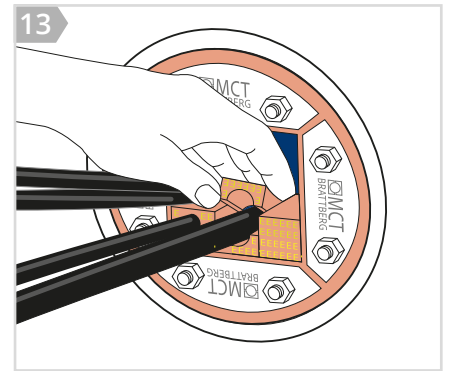
Continue to fill the transit considering your RGPlan.
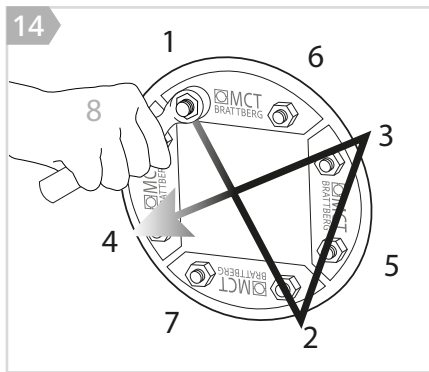
Tighten the nuts in diagonal order.
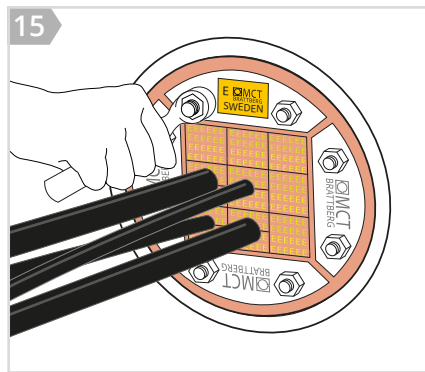
Tighten until 10-12 mm (0,39"-0,47") of thread is visible.

Disclaimer - pressure & watertight installation

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.

Please see page 9 for discaimers.

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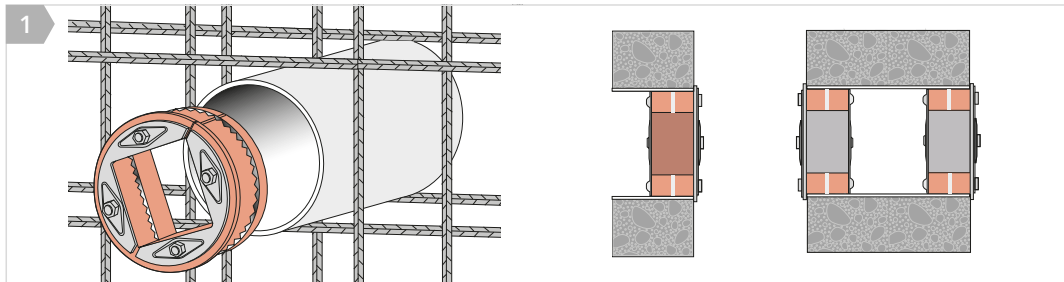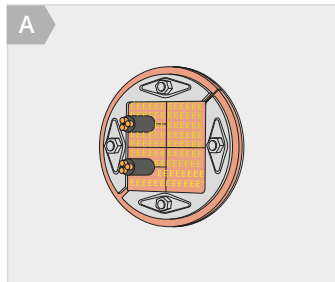
RGP can be installed in core drilled or cast holes, or in a pipe that is cast in or bolted.

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

**For EMC performance and electrical continuity through the entire system, the sleeve or the reinforcement connected to the cast-in frame must be properly grounded. This ensures a continuous metallic path between the frame, sleeve, and the surrounding structure, allowing electromagnetic interference to be safely diverted to ground. Without grounding, the EMC frame becomes electrically isolated in the concrete and the shielding will not work.**

Installation S Sleeves

a3,5-a4
seal weld

a3,5-a4
seal weld
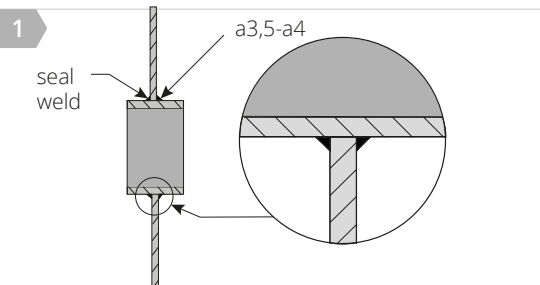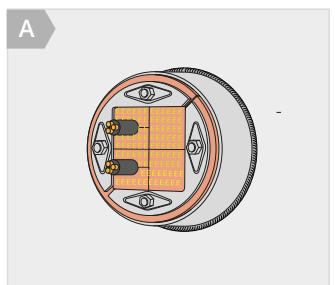
1. Position the S-type sleeve into the plate, maximum allowed root gap is 2 mm.
2. Tack weld in four places or every 100 mm around the sleeve.
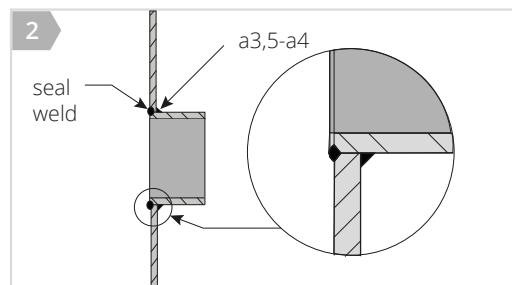
3. Weld around the front side of the sleeve.
4. Complete by seal welding around the rear side of the sleeeve

Installation SFR Sleeves

a3,5-a4
seal weld

30-50 mm overlap
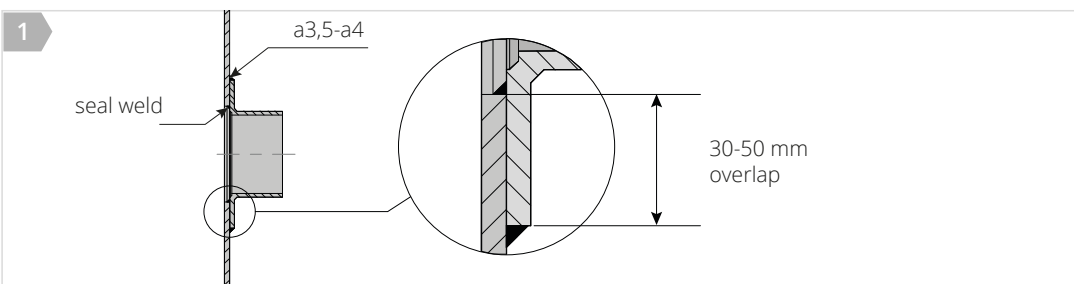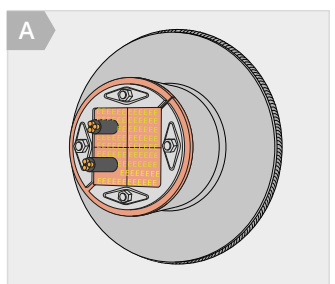
1. Center and position the SFR flange flat to the plate.
2. Tack weld on the front side of the SFR in four places or every 100 mm around the periphery.

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

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Installation SFRB Sleeves

A	1	2
	hole pattern drilled to match sleeve	anchor bolt or equivalent bolt suitable for wall material
	two strings of selant	30-50mm overlap

B	1	2
	hole pattern drilled to match sleeve	
	two strings of selant	30-50mm overlap
		screw and nut
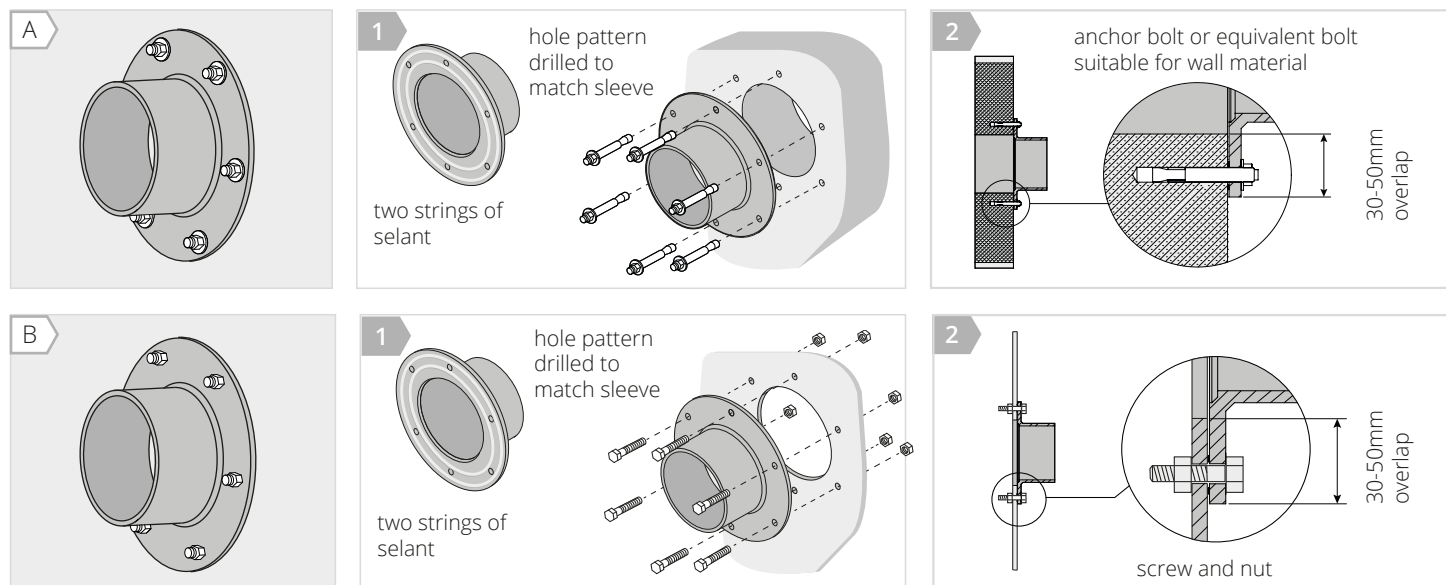
Installation SFRBO Sleeves

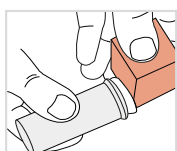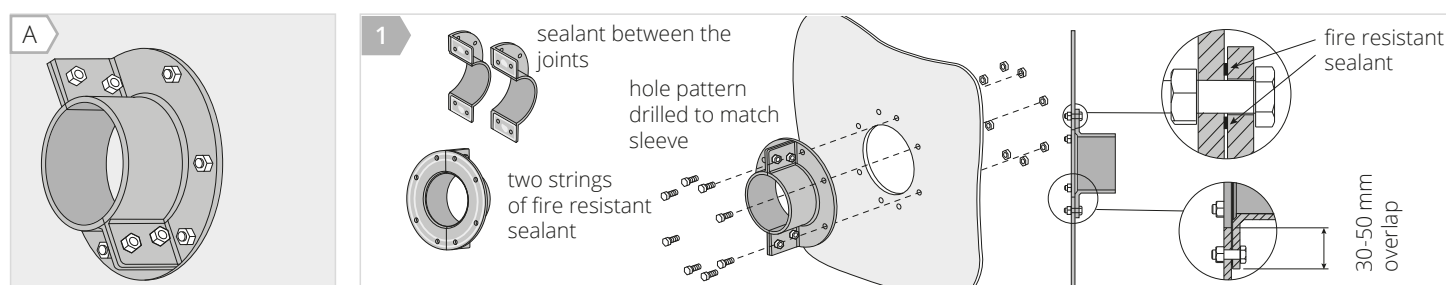| A	1	
	sealant between the joints	fire resistant sealant
	hole pattern drilled to match sleeve	
	two strings of fire resistant sealant	30-50 mm overlap

Disclaimer - pressure & watertight installation RGP

- All contact surfaces between the pipe and the RGP plug must be cleaned carefully prior to installation.
  Do not use any lubricant on these surfaces.
- All blocks and all the inside corners of the RGP must be lubricated carefully with **MCT Brattberg lubricant**.
- The penetration must not be subjected to pressure for at least **48 hours** after installation.
  This is to allow the pressure to equalise throughout the penetration.
- It will take more time for the pressure to equalise at temperatures below 20°C.
- Installation/testing of transits should only be performed by MCT Brattberg trained installers.
- Note: If the installation is subjected to pressure, all components must be replaced after removal and refitting.

After installation inspection
- Are the screws tightened evenly?
- Verify that the RGP is suitable for the application by checking its certification and type-approvals.

Disclaimer:

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