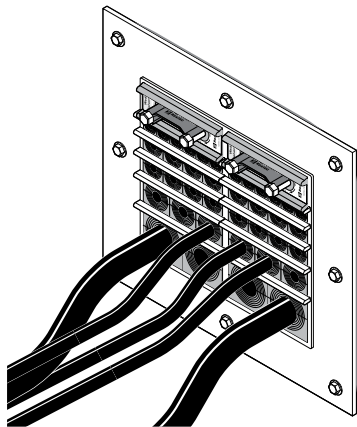# Roxtec
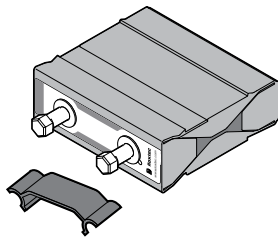
Installation instructions
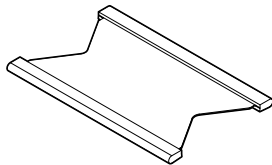# Roxtec rectangular systems
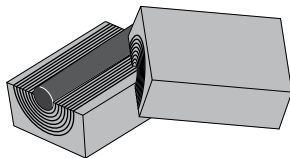

Components

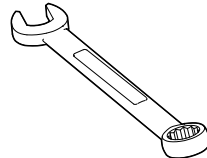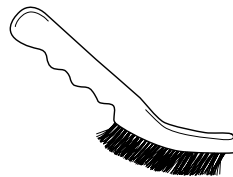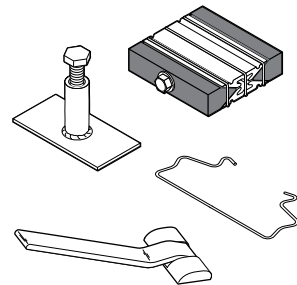| Roxtec Wedge | Roxtec Stayplate | Roxtec RM module | Roxtec Lubricant |

Tools

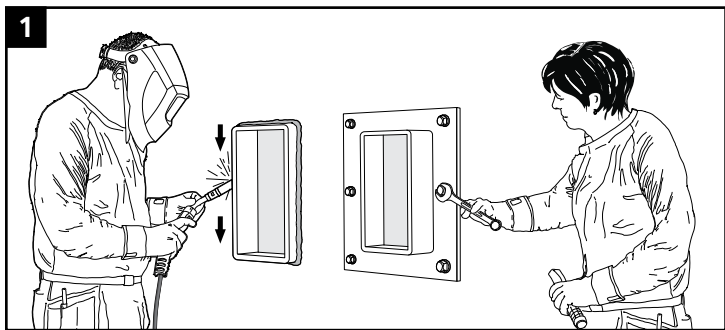Spanner 13 mm (not included)   Brush (not included)   Roxtec tools (not included)

Frame installation

1

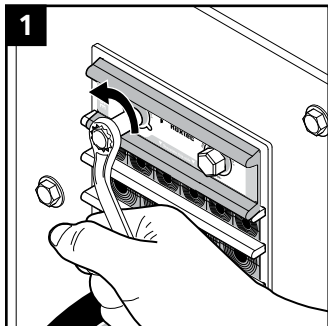Attach the frame to the structure in line with Roxtec guideline documents.

Note

- For optimum reliability, wait 24 hours or longer after installation before exposing the cables/pipes to strain or pressure.
- Cables/pipes shall be parallel to the frame.
- Cable/pipe with a considerable weight needs to be supported to prevent damage or subsidence to the seal.
- Approvals or certificates may include amendments or limitations related to this application.
- A module with core is spare capacity.
- Placing spare capacity modules close to the wedge is recommended.
- The latest version of this and related documents such as translations, are found at roxtec.com.
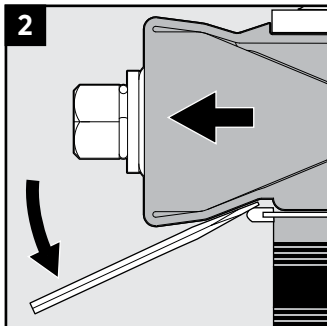- Partially installed openings shall be compressed if left unattended.

After installation inspection

- Are all modules secured by stayplates?
- Are the wedge screws tightened and the wedge clip attached?
- Is there visible protruding lubricant?
- Are there stayplates between every module row?
- Is the wedge correctly oriented ?
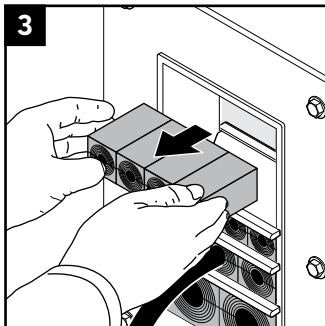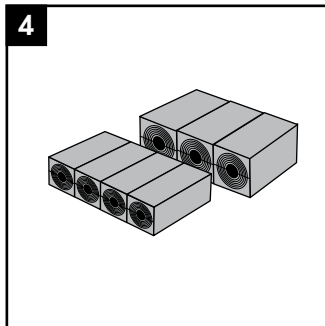- Is the combined height of modules correct according to frame packing height?

Disassembly

1 Untighten the screws alternately to full stop. Do not exceed 20 Nm.

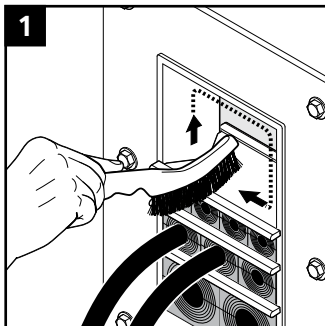**2** Remove the wedge by lifting it over the stayplate using a flat tool.
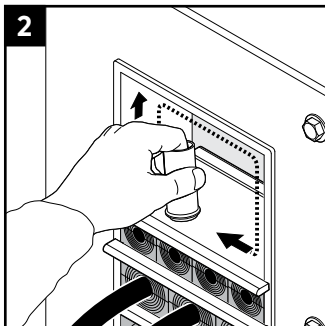
3 Remove the modules required.

4 Keep the module rows sorted until reinstallation. If a module needs to be replaced, all modules in that row must be replaced.
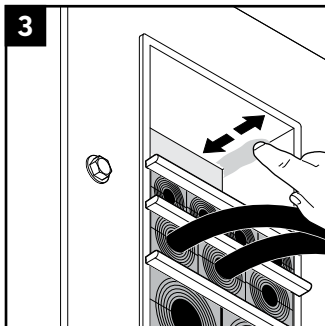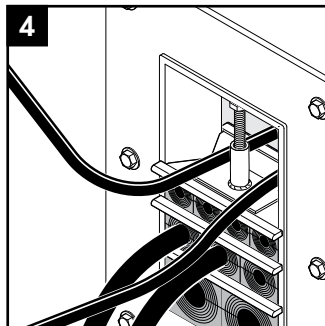
Reinstallation

1 Clean the exposed sealing surfaces.
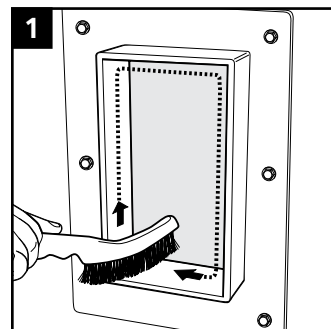
2 Lubricate the exposed sealing surfaces.

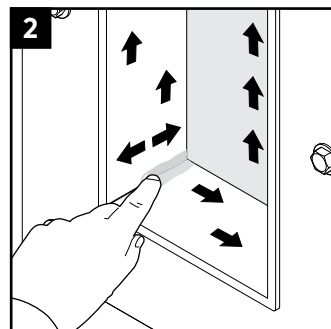**3** Lubricate the corners thoroughly.

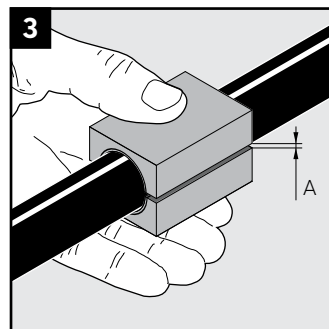**4** Partially installed openings shall be compressed if left unattended. Excess lubricant is a sign of good compression.
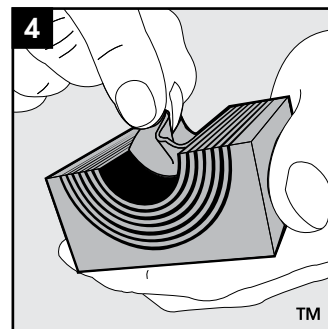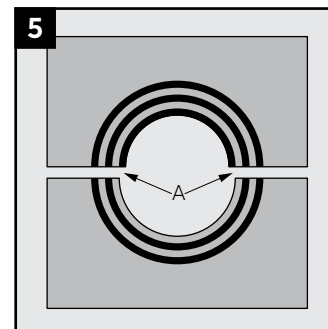
Installation

1 Clean the aperture.

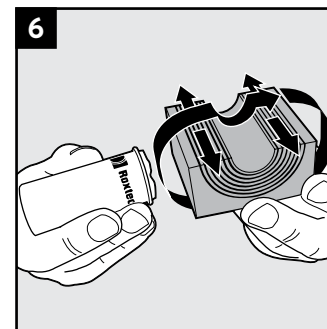**2** Lubricate the sealing surfaces of the frame. Lubricate the corners thoroughly.

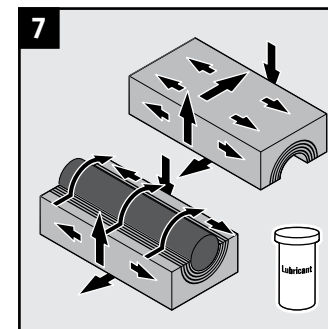**3** Achieve a 0.1-1.0 mm (A) gap between the two module halves when held against the cable/pipe.

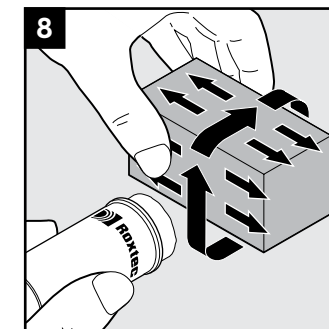**4** Adapt the modules by peeling off layers.

5 The number of layers may not differ (A) by more than one between the corresponding module halves.

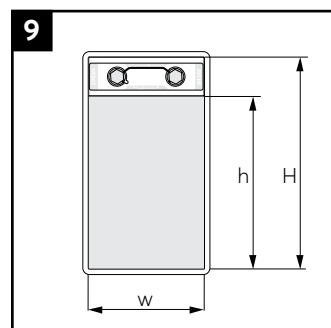**6** Lubricate the sealing surfaces with Roxtec Lubricant.

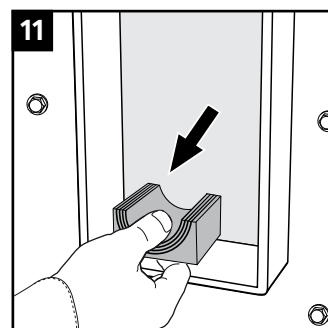**7** Lubricate the sealing surfaces of any spare module. Do not remove the core.

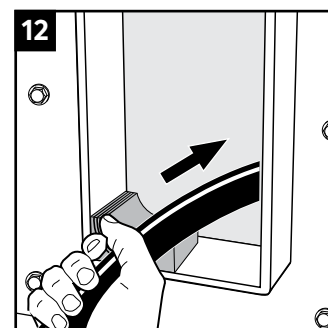**8** Lubricate solid modules on the sealing surfaces.

9 Measure your frame height (H). This decides your packing height (h).

10

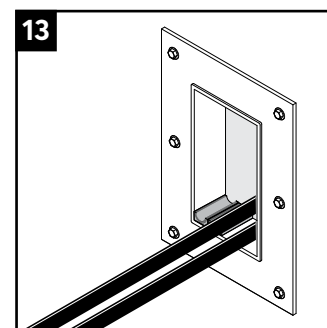| S	H	w	h
1	101	60	60
2	101	120	60
3	160	60	120
4	160	120	120
5	218	60	180
6	218	120	180
7	278	60	240
8	278	120	240

The combined height of the modules must correspond to the packing height (h). Consider your packing plan.
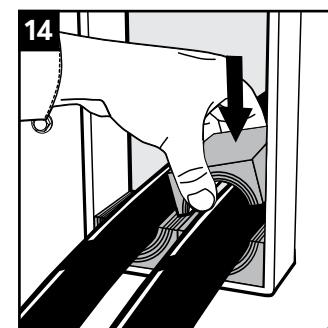S=frame size.
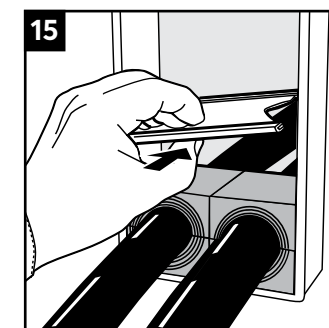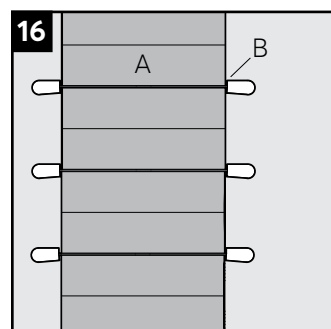w=frame width.

11 Insert a module half.

12 Insert a cable.

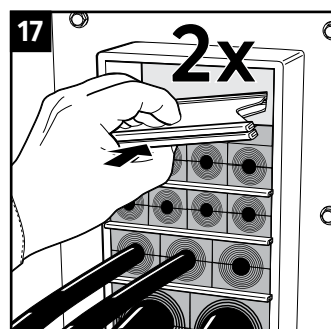**13** Cables shall go parallel to the frame.

14 Continue to fill the transit considering your packning plan.
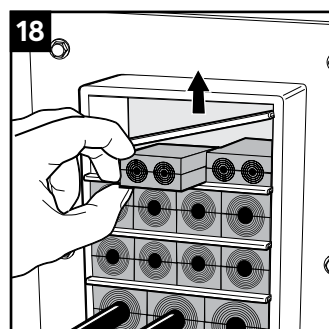
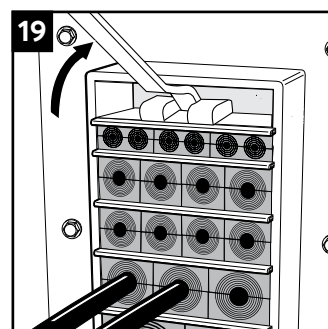**15** Insert a stayplate between every row of modules.

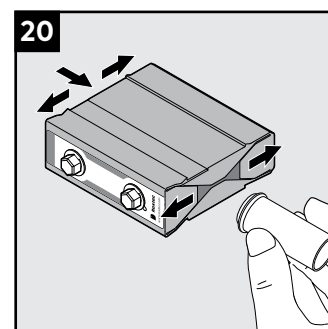**16** Ensure that the modules (A) are secured within the stayplate edges (B).

17 Before inserting the final row of modules, insert two stayplates.
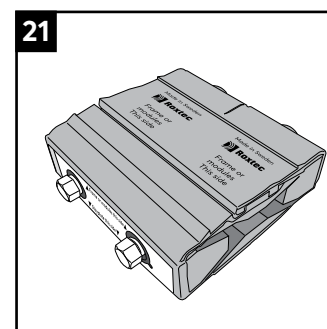
18 Separate the two stayplates and insert the final row of modules between the stayplates.
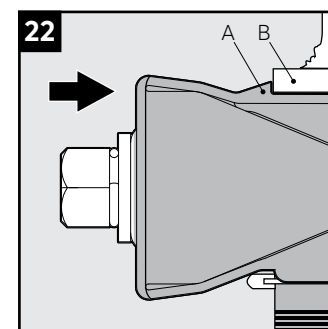
19 A Roxtec pre-compression tool can be used to make room for the wedge, if necessary.
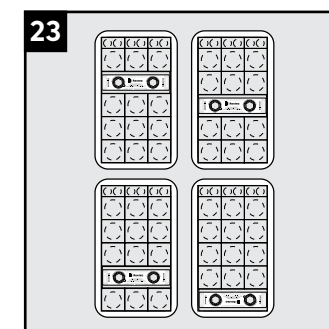
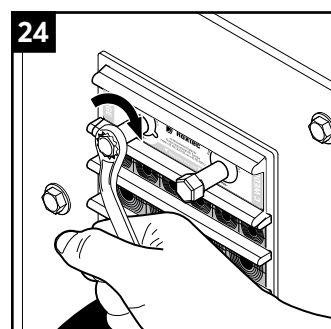**20** Lubricate the indicated areas of the wedge.

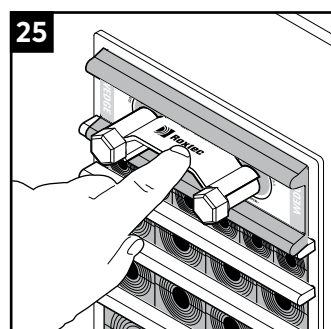**21** Correctly orientate the wedge according to the markings.

22 Insert the wedge so the stop flange (A) is in contact with the frame (B).
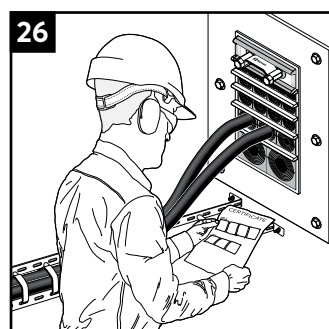
23 The wedge can be placed anywhere in the frame, not just at the top.

24 Tighten the screws alternately until full mechanical stop, max 20 Nm. Protruding excess lubricant indicates a tight seal.

25 Attach the wedge clip to the wedge screws to complete the installation.

26 Check additional documentation, if applicable.