Roxtec
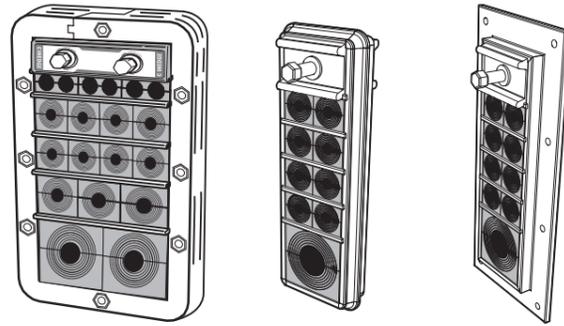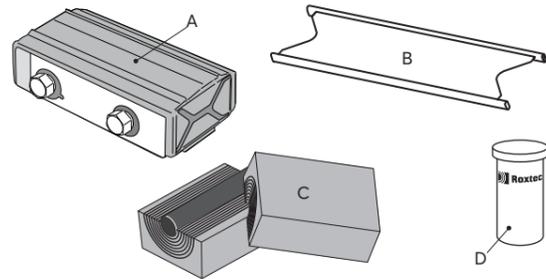
Installation instructions
Roxtec rectangular compact systems
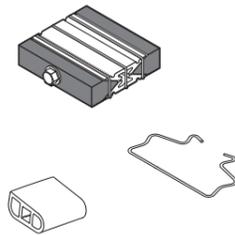

Components

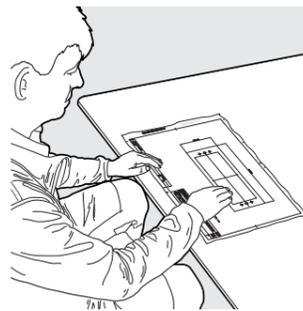A. Roxtec compact wedge
B. Stayplate
C. Roxtec compact module
D. Roxtec Lubricant

Tools

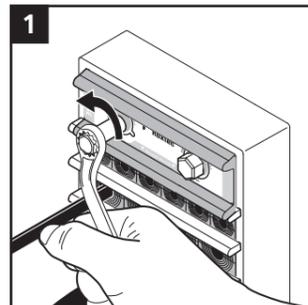- Spanner 13 mm (not included)
- Brush (not included)

Note

- For optimum reliability, wait 24 hours or longer after installation before exposing the cables/pipes to strain or pressure.
- An incorrectly adapted module shall be replaced (layers shall not be reused).
- 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.
- 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.

Roxtec tools

Scan QR code or visit roxtec.com for information about Roxtec tools.

Additional information
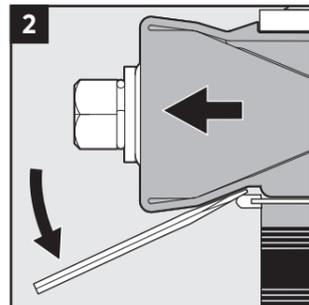

Scan QR code or visit roxtec.com for additional information, such as drawings, apertures, videos, ratings and certificates.

After installation inspection

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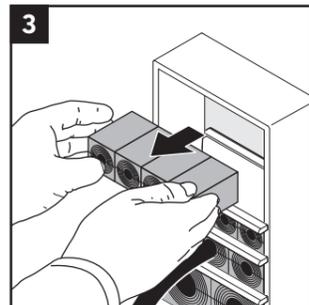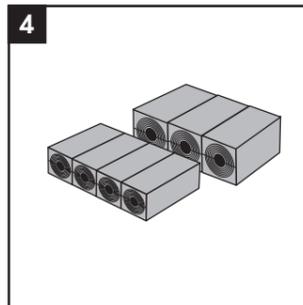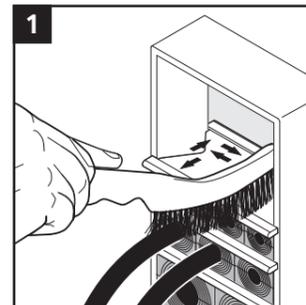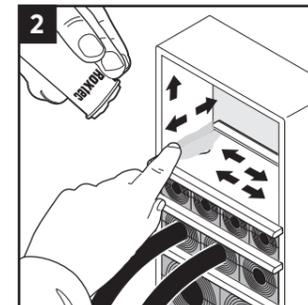- Is there visible protruding lubricant?

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

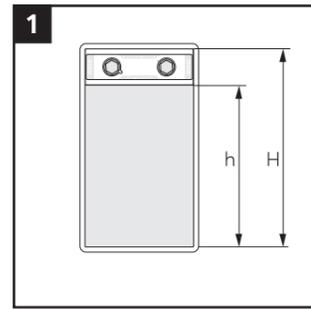**1** Clean the exposed sealing surfaces.

2 Lubricate the exposed sealing surfaces.
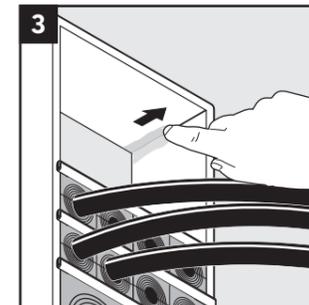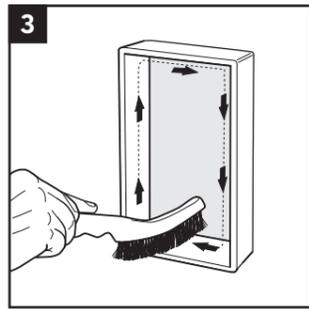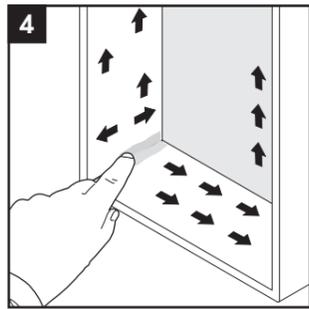
3 Lubricate the corners thoroughly.

Installation

1
Consider your packing plan. Measure your frame height (H). This decides your packing height (h).

2

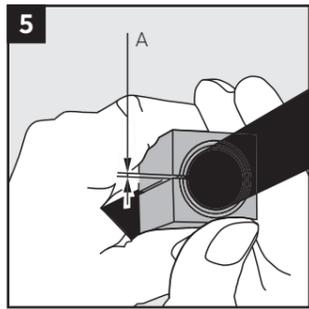| H	h
99-102	60
158-161	120
216-223	180
276-279	240

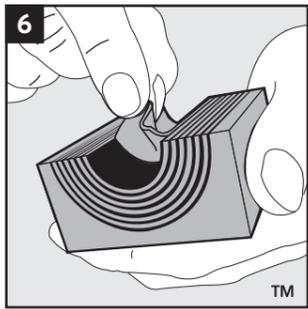The combined height of the modules equals the packing height (h).
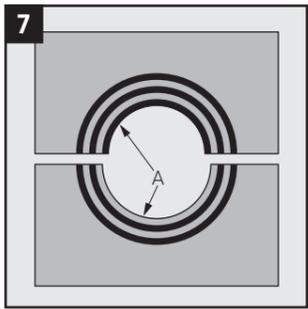
3
Clean the aperture.

4
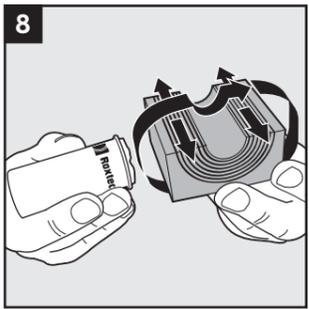Lubricate the sealing surfaces of the frame with Roxtec Lubricant. Lubricate the corners thoroughly.

5
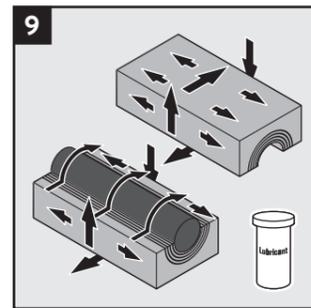Achieve a 0.1-1.0 mm (A) gap between the two module halves when held against the cable/pipe.

6
Adapt the modules by peeling off layers.

7
The number of layers may not differ (A) by more than one between the corresponding module halves.

8
Lubricate the sealing surfaces.

9
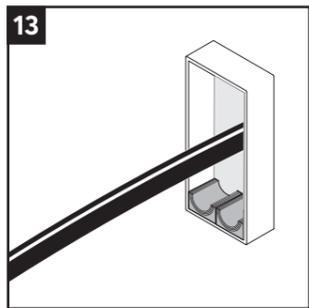Lubricate the sealing surfaces of any spare module. Do not remove the core.
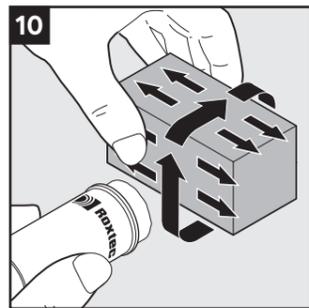
10
Lubricate solid modules on the sealing surfaces.
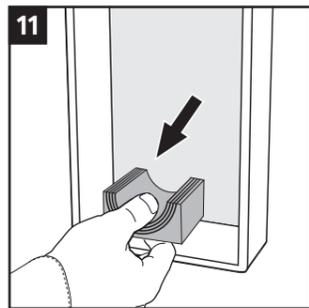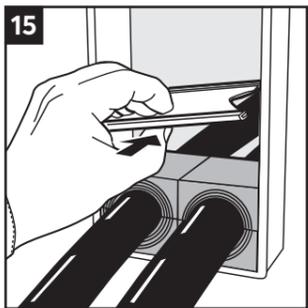
11
Insert a module half.
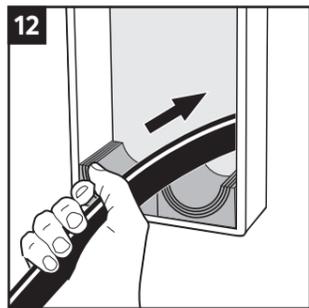
12
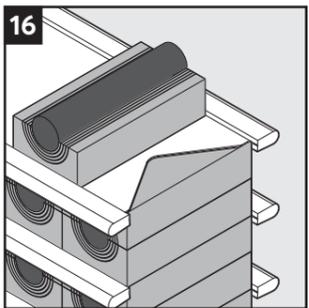Insert a cable or pipe.

13
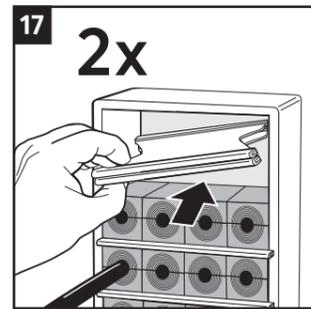Cables/pipes shall go in parallel with the frame.

14
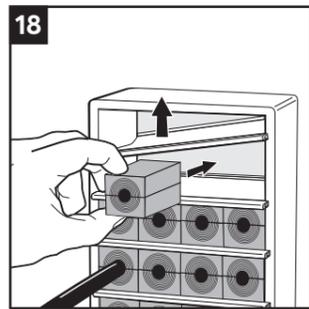Continue to fill the transit considering your packing plan.

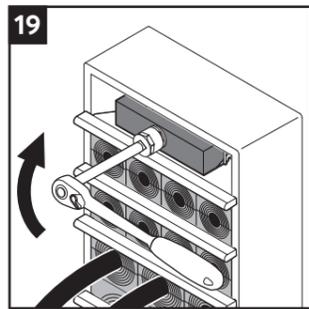**15**
Insert a stayplate between every row of modules.

16
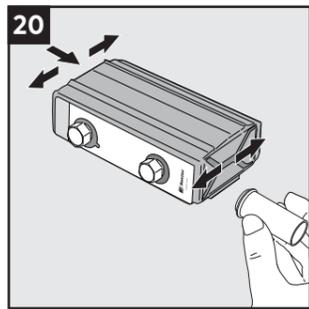Ensure that the modules are secured within the stayplate edges.

17
2x
Before inserting the final row of modules, insert two stayplates.
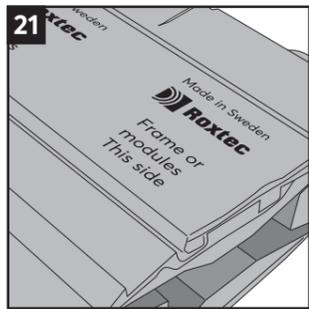
18
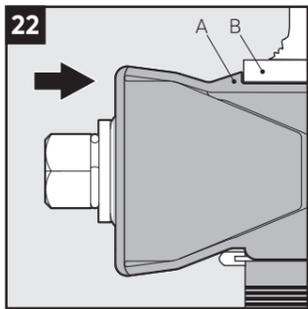Separate the two stayplates and insert the final row of modules between the stayplates.

19
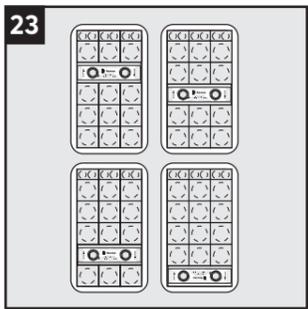A Roxtec pre-compression tool can be used to make room for the wedge, if necessary.

20
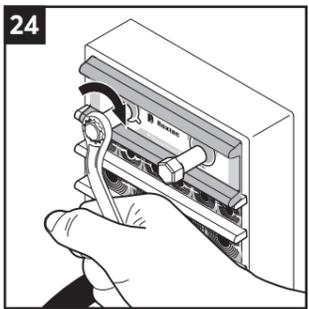Lubricate the indicated areas of the wedge.

21
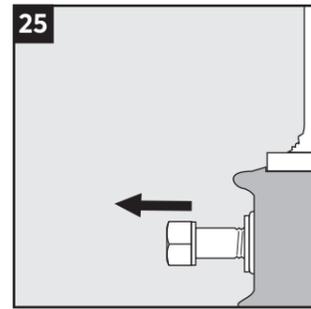Correctly orientate the wedge according to the markings.

22
Ensure that the wedge is secured within the stayplate edges. The stop edge (A) is flush to the frame (B).
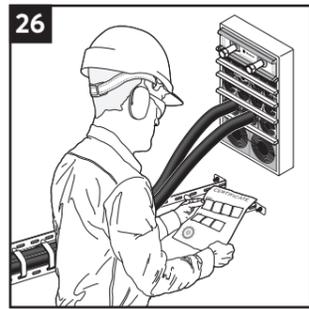
23
The wedge can be placed anywhere in the frame.

24
Tighten the screws alternately in small steps until full mechanical stop (~25-30 Nm). Protruding excess lubricant indicates a tight seal.

25
The visible part of the screw will increase during tightening.

26
Check additional documentation, if applicable.