Roxtec

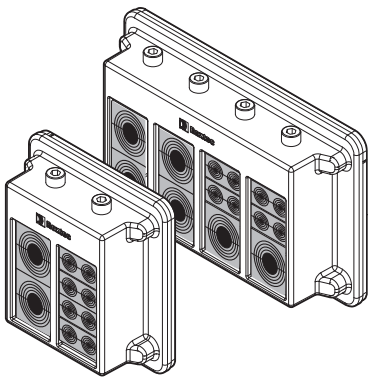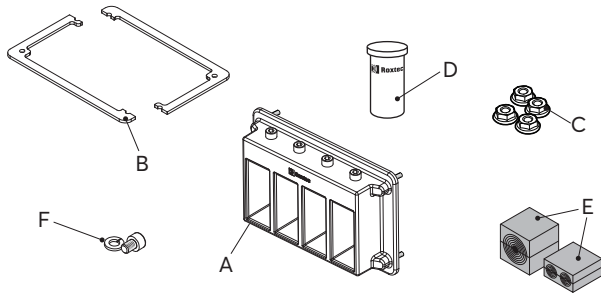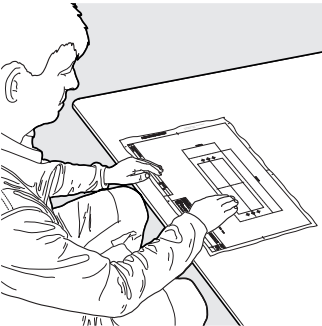## Installation instructions
Roxtec CSP with Roxtec HD modules

Components

A. Roxtec CSP frame
B. Roxtec CSP counter frame
C. Fasteners
D. Roxtec Lubricant
E. Roxtec HD modules
F. Fasteners for protective bonding conductor

Additional information

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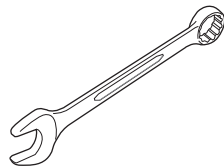
Scan QR code or visit roxtec.com for additional information.

Technical data

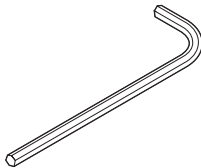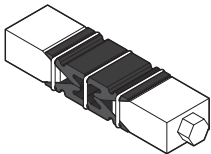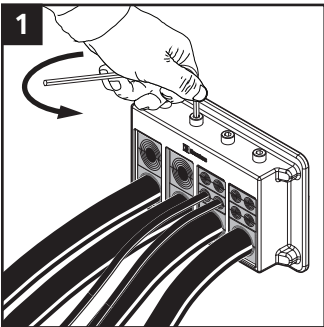| Name	External dimensions WxHxD (mm)	For cable/pipe Ø (mm)
HD 15w40	40 x 15 x 40	3.5 – 9.5
HD 20w40	40 x 20 x 40	3.5 – 15.5
HD 30w40	40 x 30 x 40	10 – 24
HD 40	40 x 40 x 40	21.5 – 33.5
HD 40 10–32	40 x 40 x 40	9.5 – 31.5

Tools

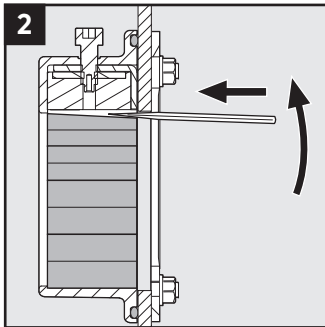Spanner 10 mm (not included)

Allen key 5 mm (not included)

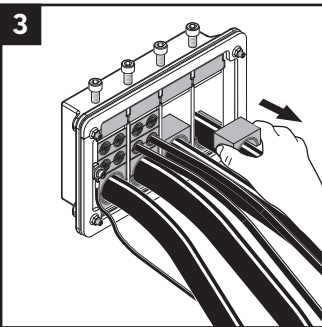Roxtec pre-compression wedge 40/60 (not included)
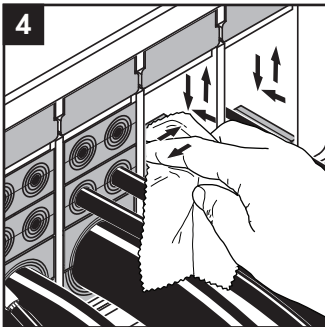
Disassembly and reinstallation
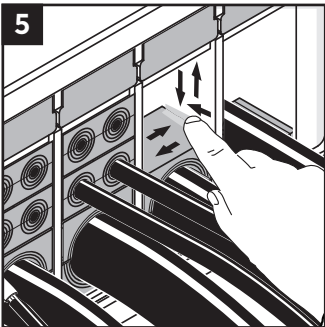
1 Untighten the screw of the compression unit.

2 Use a flat tool to simplify removal of the modules.
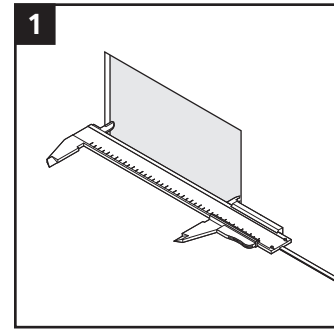
3 Remove the modules needed.
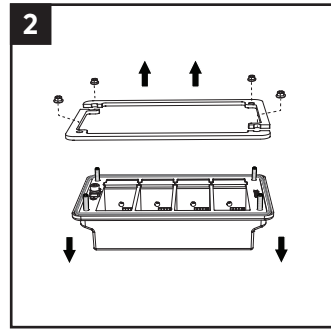
4 Clean the exposed surfaces.

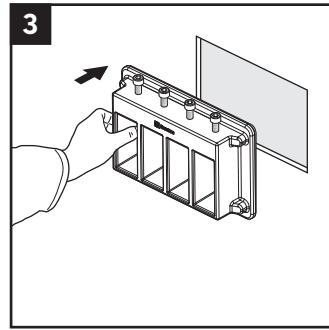**5** Lubricate the exposed surfaces, especially in the corners. Continue the reinstallation.
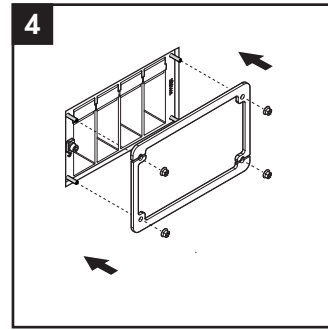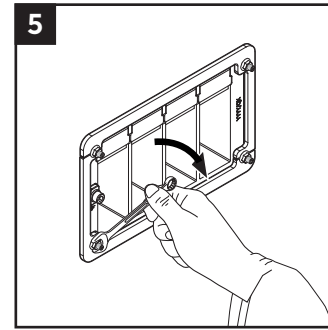
Installation

1

Make or verify an aperture.
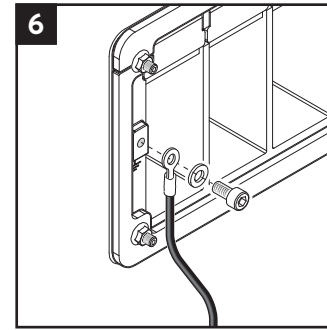
2

Remove nuts and counter frames.

3

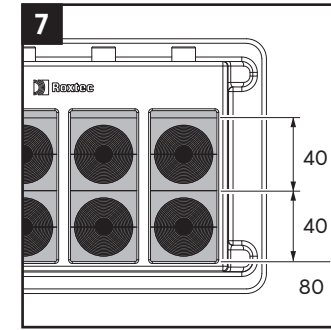Place the frame onto the structure.

4
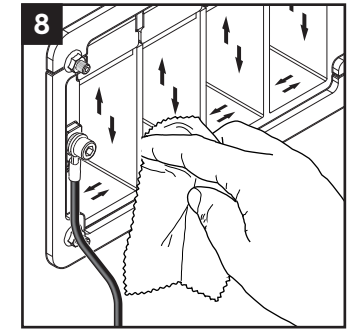
Mount the counter frames and nuts.

5

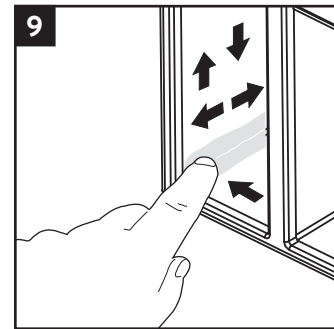Tighten the nuts crosswise in small steps. Recommended torque 7 Nm.

6

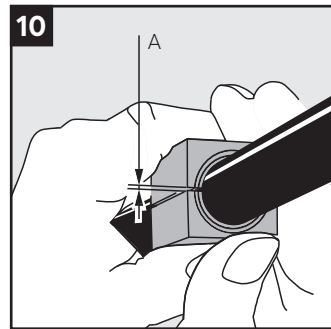Attach the protective bonding conductor to the earthing terminal. National regulations apply.

7

40
40
80

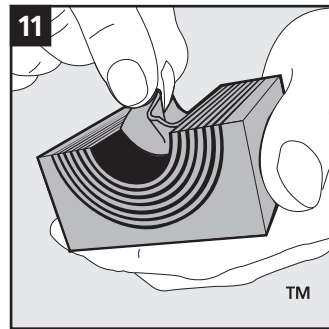The combined height of modules shall be 80 mm.

8

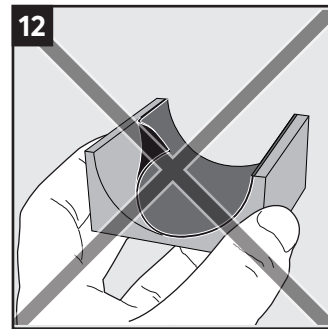Clean the inside surfaces of the frame.

9

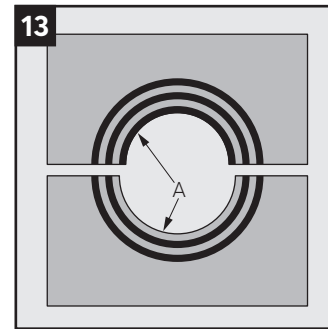Lubricate the sealing surfaces of the frame, especially in the corners.

10

A

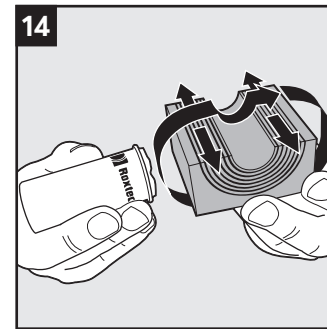Achieve a 0.1-1.0 mm (A) gap between the two module halves when held against the cable/pipe.

11

TM

Adapt the modules by peeling off layers.
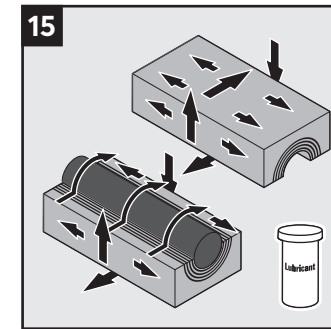
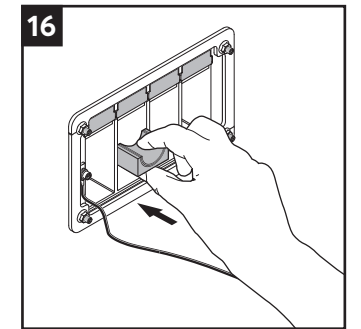**12**

Do not remove the last layer.

13

A

The number of layers may not differ (A) by more than one between the corresponding module halves.
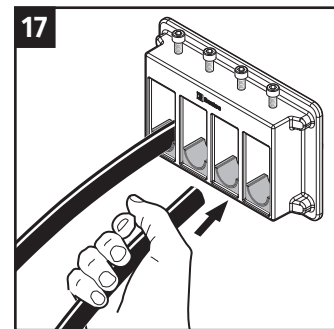
14

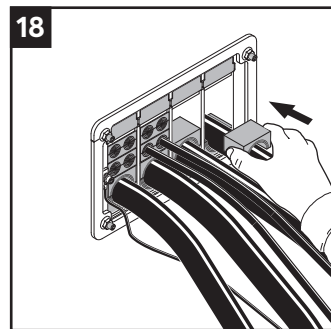Lubricate the sealing surfaces with Roxtec Lubricant.

15

Lubricate the sealing surfaces of any spare module. Do not remove the core.
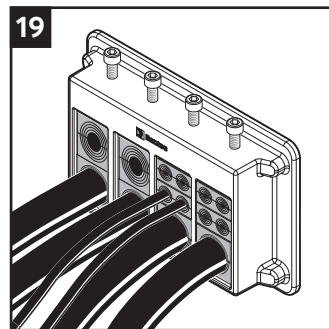
16

Insert the modules from the back side of the transit according to the packing plan.
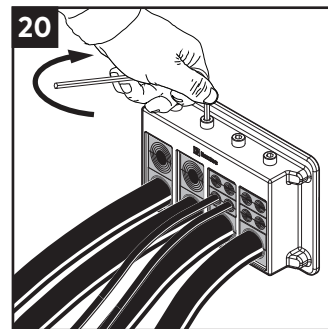
17

Insert cables/pipes straight through the frame.

18

Place the corresponding module halves on top. Continue to fill the transit considering your packing plan.

19

All packing spaces shall be filled before the compression screws are tightened.

20

Tighten the screws alternately in small steps until full stop, approx. 20 Nm. Protruding excess lubricant indicates a tight seal.

21

Check additional documentation, if applicable.

After installation inspection

- Are the compression screws fully tightened?
- Is the combined height of modules correct according to the frame packing height?
- Are all modules placed correctly and fully inserted after compression?
- Is there visible protruding lubricant?

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.
- Cores or cables/pipes must be present in all modules.
- To be used with: Roxtec HD components.
- Cables/pipes shall go straight through the frame.
- Partially installed openings shall be compressed if left unattended.
- The latest version of this and related documents are found at roxtec.com.
- Approvals or certificates may include amendments or limitations related to this application.

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