Roxtec

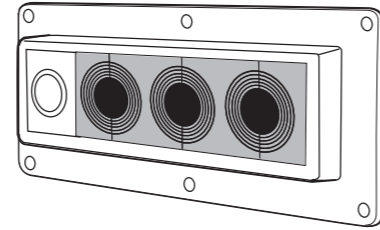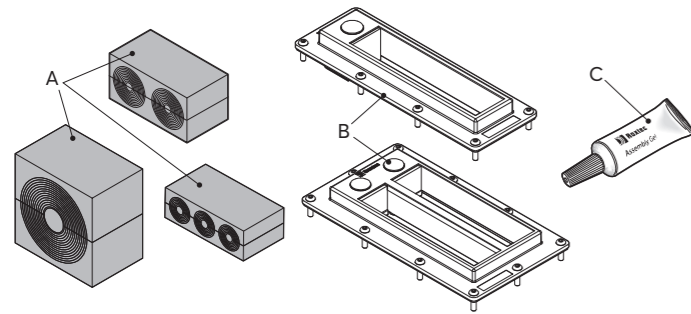## Installation instructions
Roxtec ComSeal™

Components

A. Sealing modules
B. ComSeal frames
C. Roxtec Assembly Gel

Technical data

For modules.

| Name	Aperture dimensions WxH (mm)	Packing space (mm)
COMSEAL 10	56(+1/−1) x 149(+1/−1)	40 x 100
COMSEAL 12	56(+1/−1) x 169(+1/−1)	40 x 120
COMSEAL 15	61(+1/−1) x 195(+1/−1)	50 x 150
COMSEAL 16	56(+1/−1) x 209(+1/−1)	40 x 160
COMSEAL 30	120(+1/−1) x 195(+1/−1)	50 x 150
COMSEAL 32	103(+1/−1) x 209(+1/−1)	40 x 160

Tools

⦿ Allen key size 3 (not included)

⦿ Spanner size 13 (not included)

Note

⦿ For optimum reliability, wait 24 hours or longer after installation before exposing the cables/pipes to strain or pressure.

⦿ To be used together with CM modules.

⦿ To simplify installation of Roxtec ComSeal™ 30 and 32, it is recommended to fill both openings before tightening the compression units.

⦿ Cables shall go straight through the frame.

⦿ For Roxtec ComSeal™ 12, a standard FL 21 aperture can be used.

⦿ Cores or cables/pipes must be present in all modules.

⦿ A module with core is spare capacity.

⦿ 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 Roxtec system.

⦿ Always use the lubricant supplied with this product.

⦿ Approvals or certificates may include amendments or limitations related to this application.

⦿ The latest version of this and related documents are found at roxtec.com.
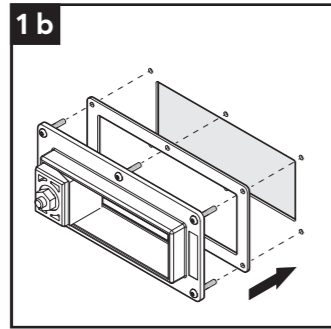
Additional information
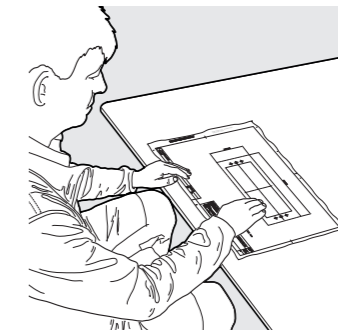
Scan QR code or visit roxtec.com for additional information such as drawings, aperture, videos, ratings and certificates.
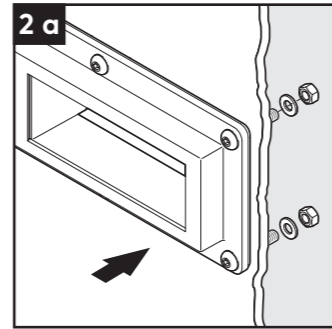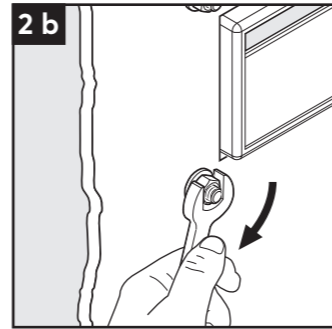
Installation
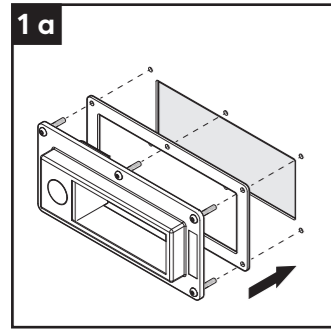
1 a
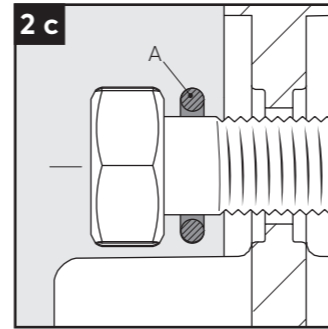Insert the frame into the aperture. Place the gasket between the frame and the structure.

1 b
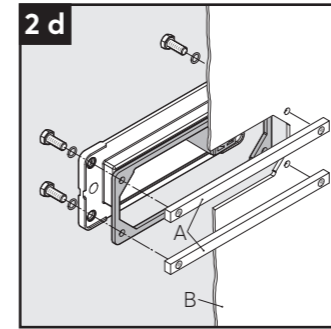Alternatively, insert the frame with the compression nut facing outwards.

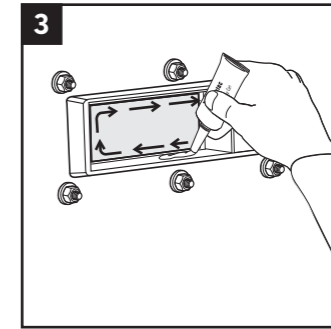**2 a**
Attach the frame using the enclosed fasteners.

2 b
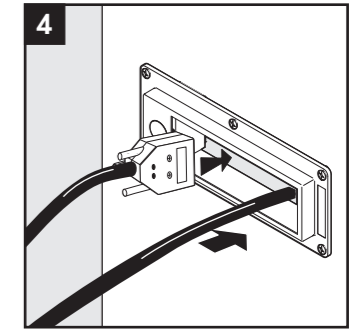Tighten the nuts crosswise in small steps. Recommended torque 4 Nm.

2 c
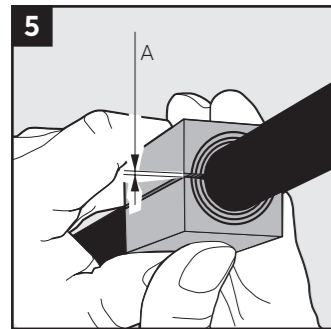For ComSeal 12, the O-ring (A) shall be mounted under the bolt head.

2 d
For ComSeal 12, counter frames with art. no. 2CV0001020219 (A) shall be used if the structure (B) is thinner than 2 mm.

3
Lubricate the sealing surfaces of the frame with Roxtec Assembly Gel, especially in the corners.

4
Insert the cables straight through the frame.

5
Achieve a 0.1-1.0 mm gap (A) between the two module halves when held against the cable/pipe.
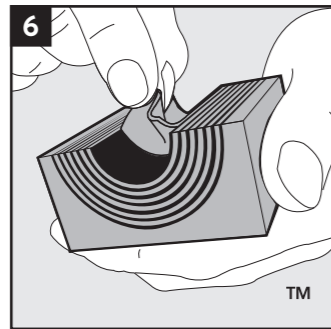
6
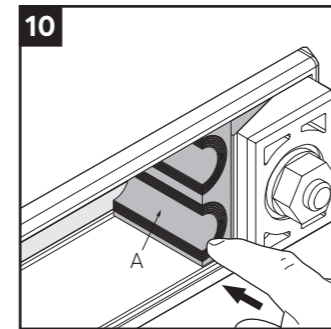Adapt the modules by peeling off layers.
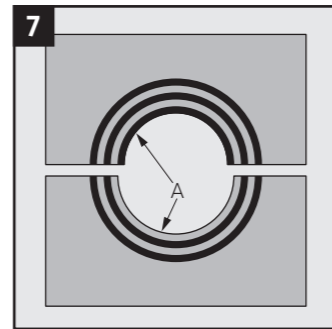
7
The number of layers may not differ (A) by more than one between the corresponding module halves.
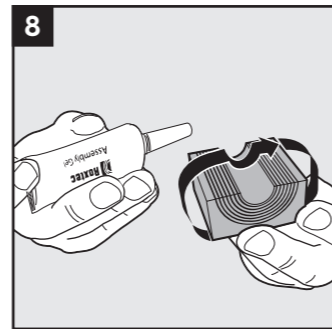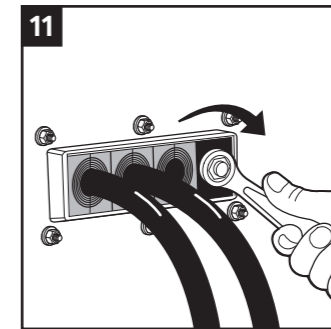
8
Lubricate all sealing surfaces on the modules.
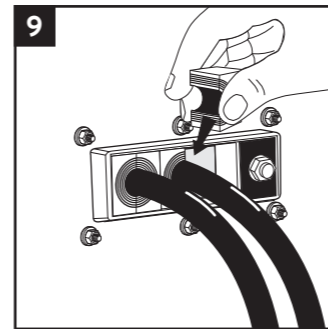
9
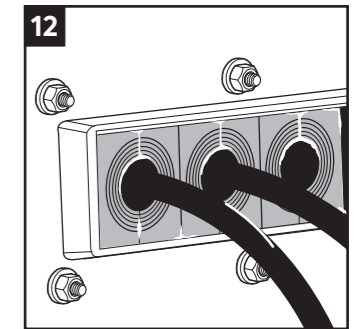Insert the modules from the same side as the compression nut, according to the packing plan. If possible, start with the largest modules.

10
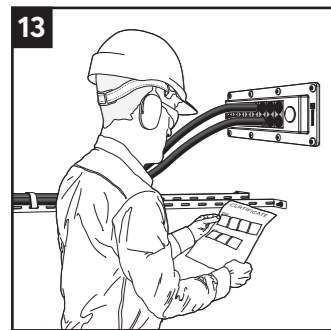The modules shall rest against the edge (A).

11
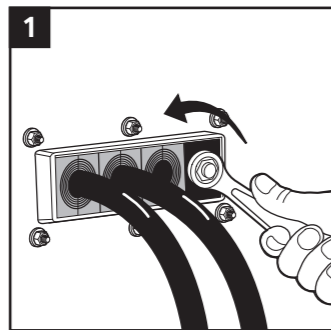Tighten the nut firmly to max. 10 Nm.
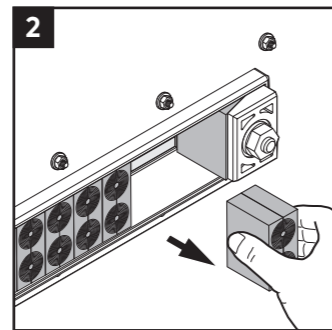
12
Excess assembly gel is a sign of good compression.
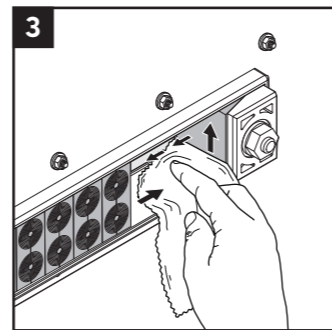
Disassembly and reinstallation

13
Check additional documentation, if applicable.

1
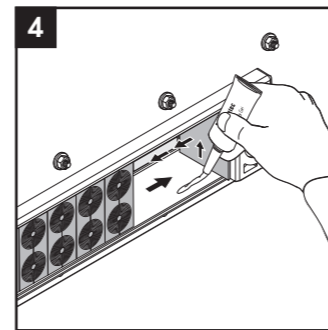Untighten the nut.

2
Remove the modules needed.

3
Clean the exposed sealing surfaces.

4
Lubricate the exposed sealing surfaces. Continue the reinstallation.

After installation inspection

- Is there visible protruding assembly gel?
- Is the combined height of modules correct according the the frame packing height?
- Make sure that all modules are placed correctly and fully inserted after compression.

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