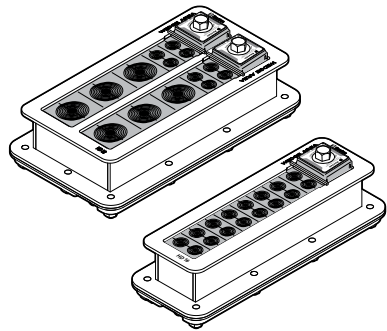# Roxtec

Installation instructions
Roxtec HD 16 and HD 32 transits

After installation inspection

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

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 sleeve/aperture.
- ◉ 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 seal with core is spare capacity.
- ◉ The latest version of this and related documents are found at roxtec.com.
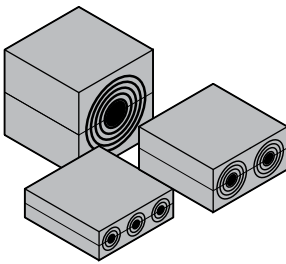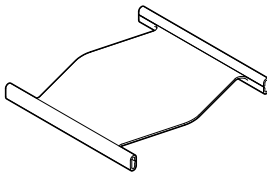
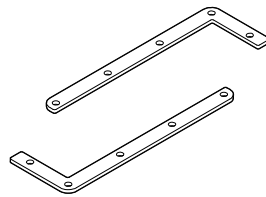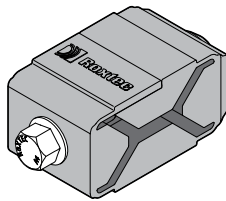## Components
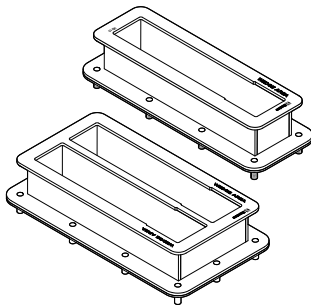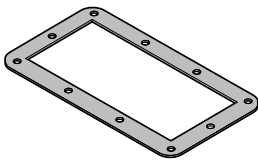
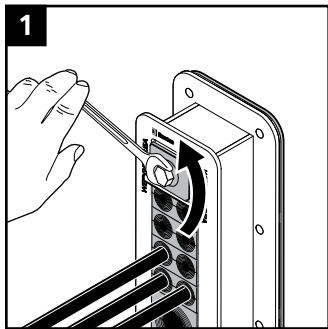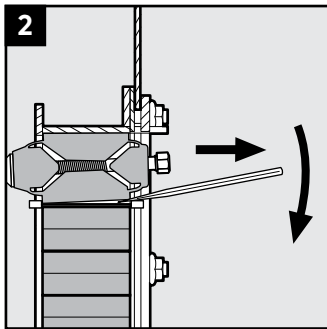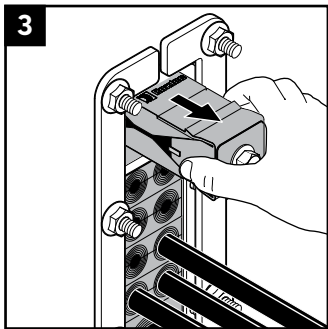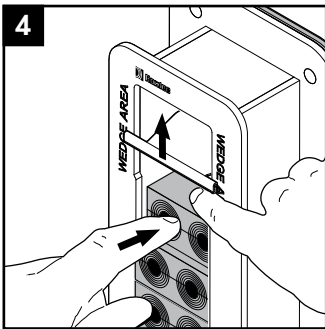| Roxtec HD frame | Gasket | Fasteners | Roxtec HD modules | Roxtec HD stayplates | Counter frame | Compression unit | Roxtec Lubricant |

Disassembly and reinstallation

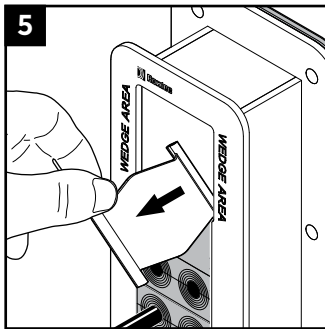

1 Untighten the screw of the compression unit.

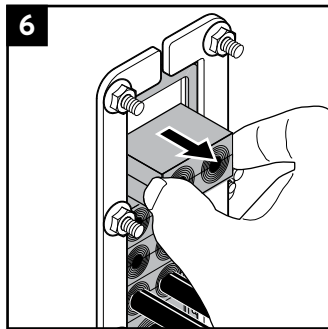**2** Insert a flat tool between the compression unit and the stayplate to simplify removal of the compression unit.
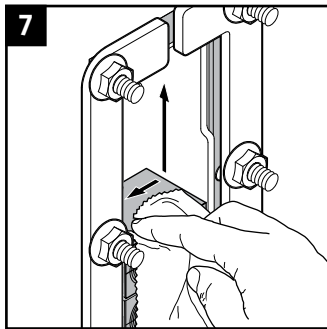
3 Remove the compression unit.

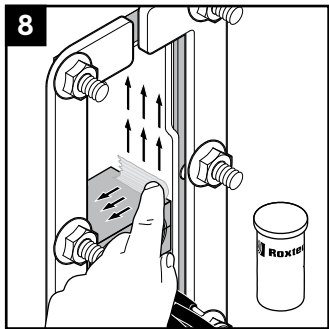**4** Lift the stayplate and push out the upper module from the front side.

5 Remove the stayplate.

6 Continue to remove the modules by pulling them out from the backside of the frame.
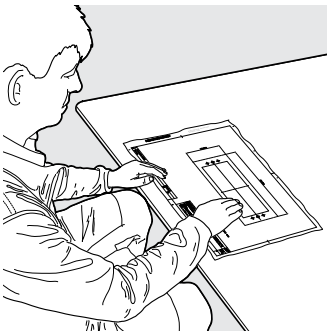
7 Clean the exposed surfaces.

8 Lubricate the exposed surfaces, especially in the corners. Continue the reinstallation

Additional information

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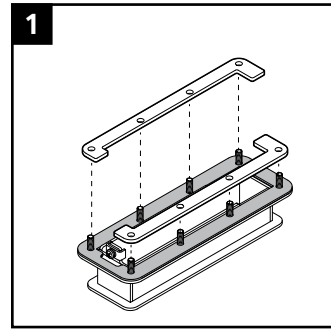
Tools

- ◉ 10 mm and 13 mm spanner (not included)
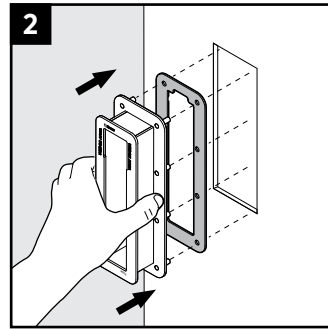- ◉ Roxtec pre-compression tool (not included)

Installation

1
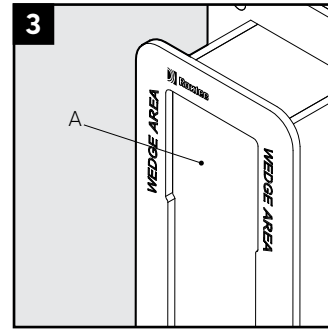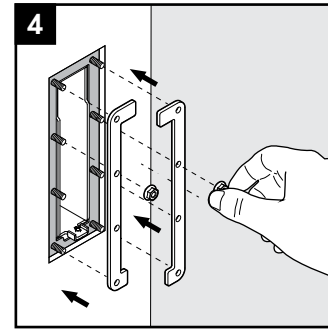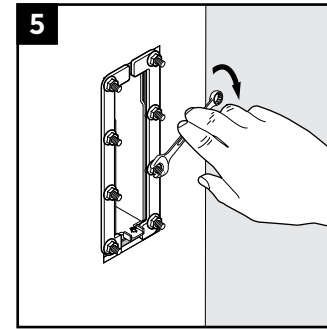Remove the two parts of the counter frame.

2
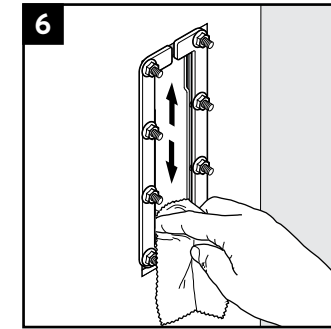Insert the frame from the outside of the cabinet with the gasket in between.

3
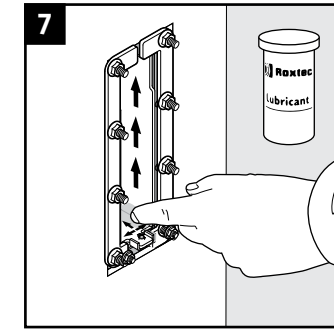Observe the intended wedge area (A) without stopping edges.

4
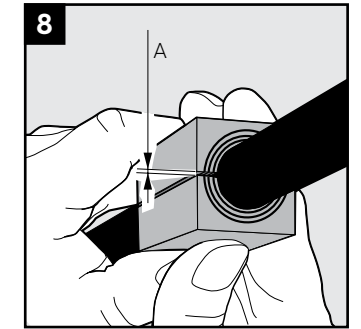Attach the two parts of the counter frame from the inside of the cabinet.

5
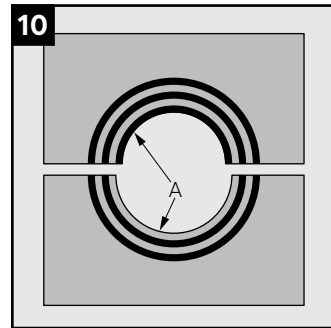Tighten the nuts crosswise in small steps. Recommended torque 4 Nm.
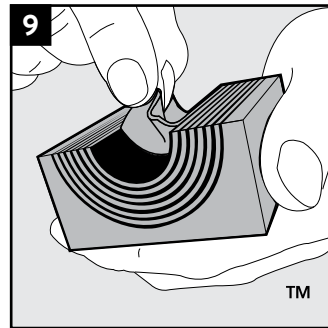
6
Clean the frame.

7
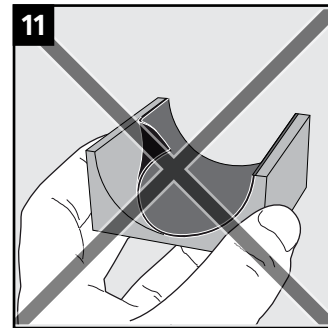Lubricate the sealing surfaces of the frame. Lubricate the corners thoroughly.

8
Achieve a gap of 0.1-1.0 mm (A) between the module halves by peeling off layers.
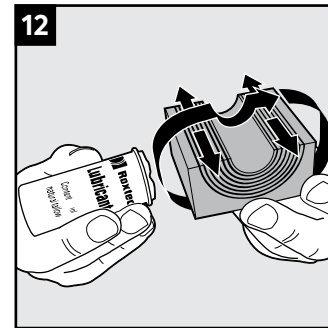
10
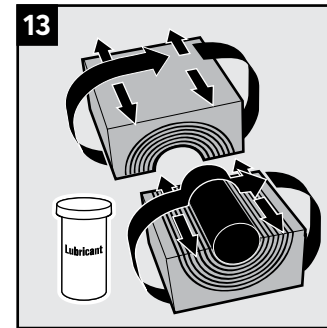The number of layers may not differ (A) by more than one between the corresponding module halves.
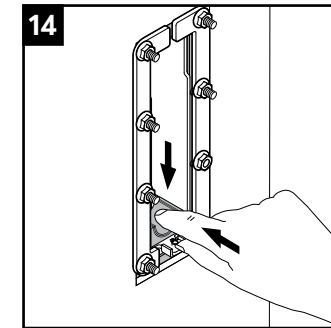
9
Adapt the modules by peeling off layers.

11
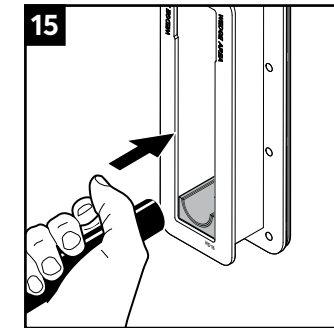Do not remove the last layer.

12
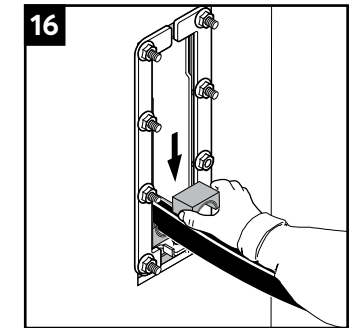Lubricate the sealing surfaces of all modules with Roxtec Lubricant.

13
Lubricate the sealing surfaces of the spare modules. Do not remove the core.
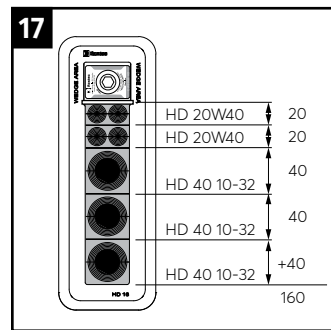
14
Insert the modules from the back side of the transit according to the packing plan. Push the module half against the stopping edge.
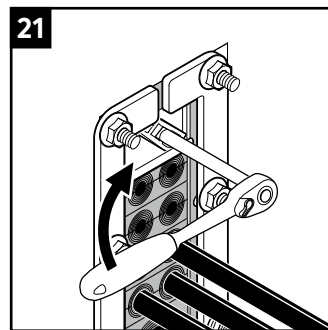
15
Insert cables/pipes straight through the frame.

16
Place the corresponding module half on top. Continue to fill the transit considering your packing plan.
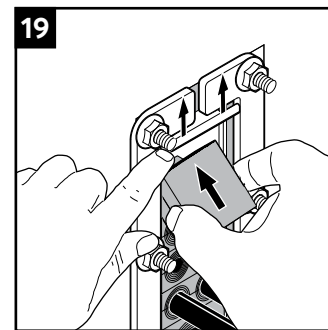
17
Consider the packing height of the frame. This is an example of a packing plan.
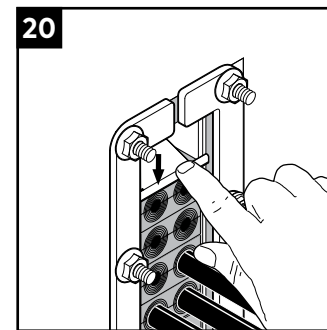
HD 20W40	20
HD 20W40	20
HD 40 10-32	40
HD 40 10-32	40
HD 40 10-32	+40
	160

21
Use a Roxtec pre-compression tool to make space for the compression units if required.
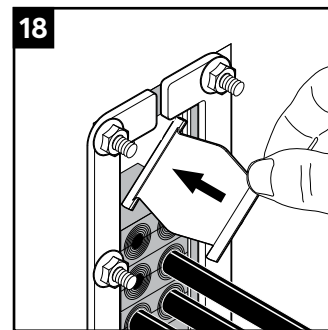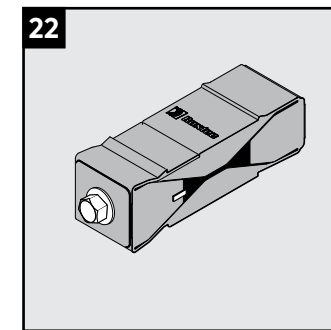
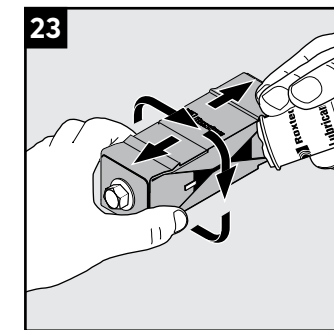**18**
Before inserting the final module, insert a stayplate.

19
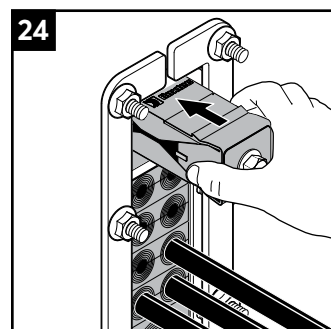Lift the upper stayplate and insert the last module underneath it.

20
Drop the stayplate on top of the last row of modules.

22
Ensure that the compression unit is fully uncompressed by untightening the screw before inserting it.
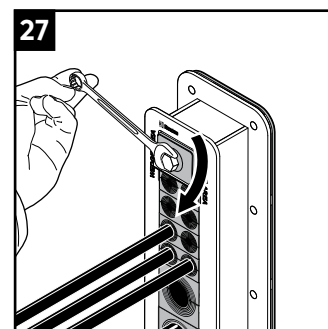
23
Lubricate the compression units on all sealing sides with Roxtec Lubricant.
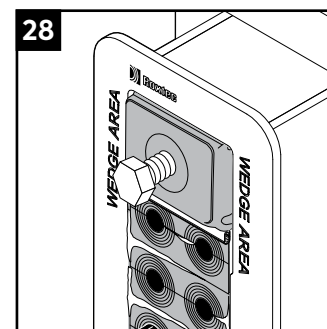
24
Insert the compression units from the inside of the openings until stop. The compression units can be placed with the screwhead facing either into or out of the opening.
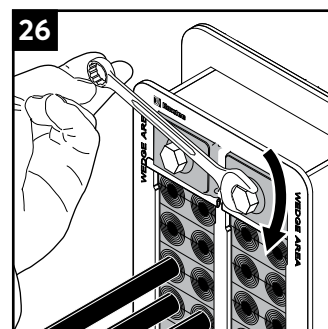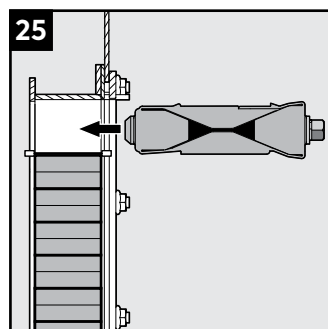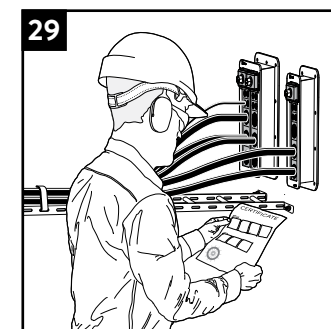
25
HD 32: Do not tighten the first compression unit until the second compression unit is inserted.

26

27
Tighten the screw of the compression unit until full stop, approx. 20 Nm.

28
Visible excess lubricant is a sign of good compression.

29
Check additional documentation, if applicable.

Roxtec