Roxtec

Installation instructions
Roxtec KFO 6x1
with flange

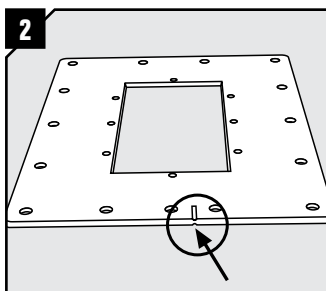## Aperture dimensions

270±5 mm
(10.630±0.197")

170±5 mm
(6.693±0.197")
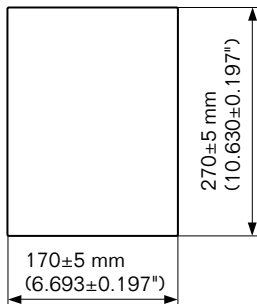
Make an opening in the wall
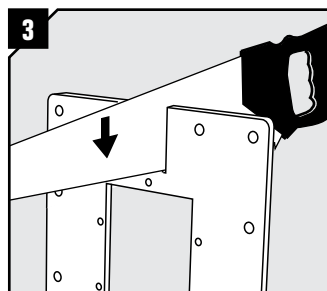structure for the flange.
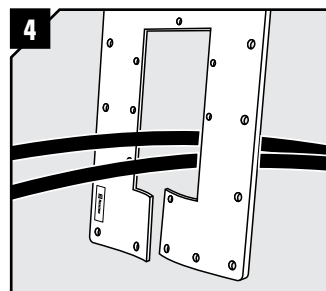
Frame installation

1

2x
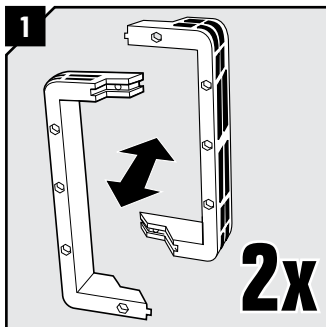
Divide the two frame parts into
four pieces.

2

Locate the mark at the bottom of
the flange.

3
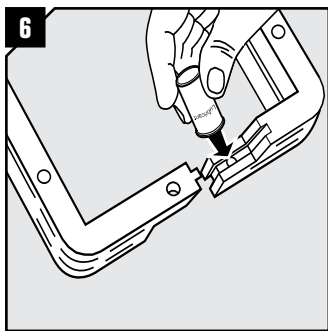
Saw through the short side of the
flange where the mark is.

4

NOTE: Only applicable with pre-routed cables.

Put the flange around the cables.

5
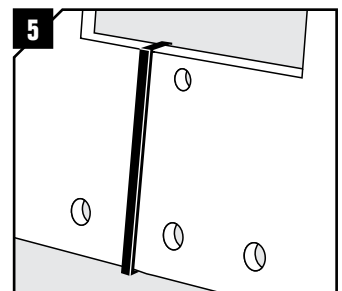
Cut off approx.10 cm of sealing
strip and press it down the cut to
seal the flange.

6

Lubricate all end surfaces.

7

45°
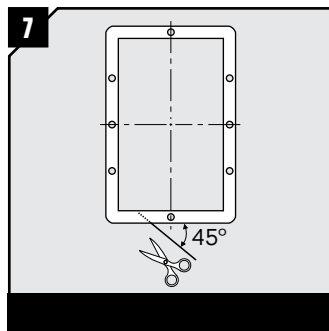
Cut the gasket according to the picture.

8
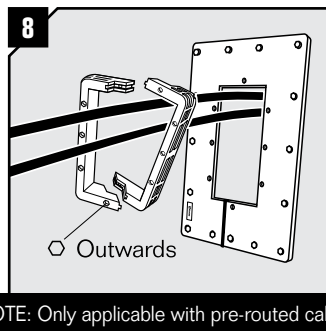
○ Outwards
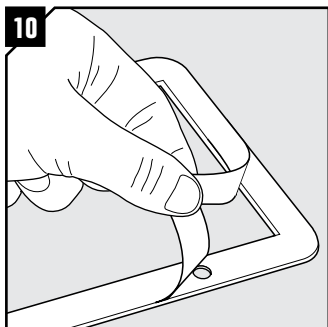
Reconnect the frame part pieces around the cables. Recessed bolt holes must point outwards, away from the flange.

9

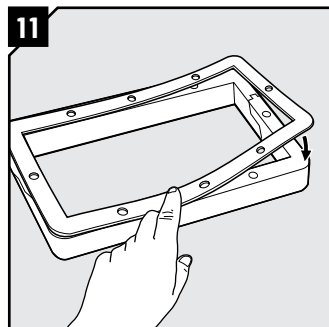NOTE: Only applicable with pre-routed cables.
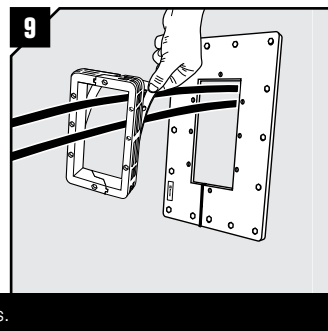
Put the adhesive gasket over the cables, remove the protection foil from the gasket and attach it to the side of the frame that will face the flange.
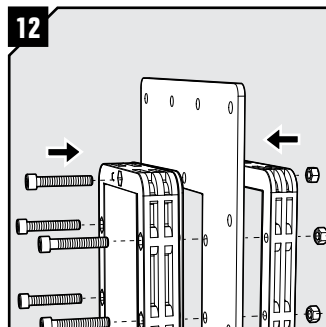
10

Remove the protection foil from the gasket.

11

Apply the adhesive gasket onto the frame part that will face the flange. Do not apply it on the side with the recessed holes.

12

Place the frame part with the gasket facing the flange. Recessed bolt holes must point outwards, away from the flange. Insert all bolts and place the other frame part on the opposite side of the flange. Attach the nuts. Tighten approx. 7 Nm.
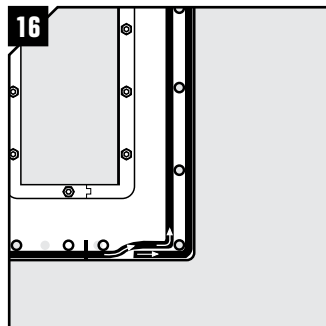
13
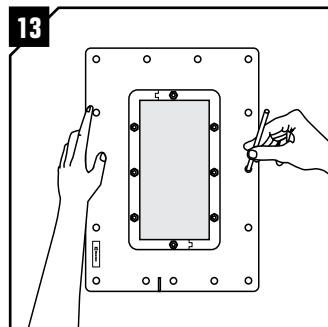
Use the flange to mark where to drill the holes for the flange. Drill the holes.
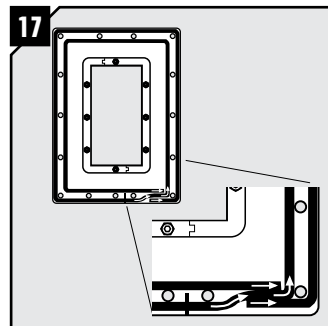
14
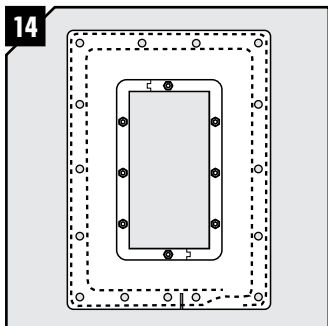
The sealing strip should be attached along the dotted line shown in the illustration.
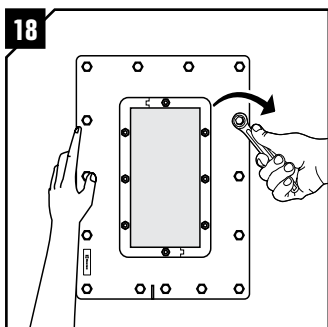
15
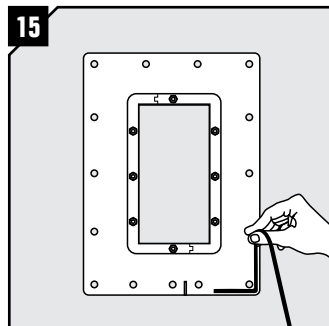
Remove the protecting film from the sealing strip. Fasten the sealing strip. Start on the outer edge at the bottom of the flange.
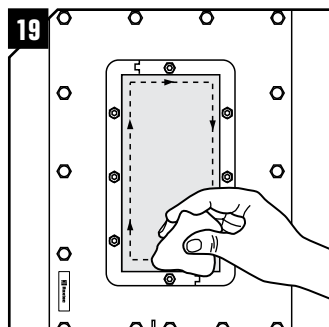
16

When the outer revolution close to the edge is finished, continue on the inside beside the holes in the flange.
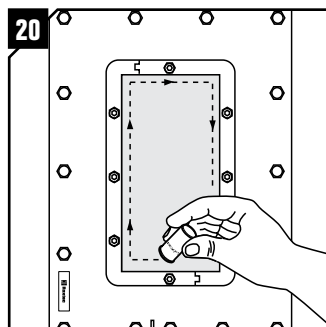
17

At the end, there will be two revolutions of sealing strip. The sealing strip prevent intrusion of dust and water.
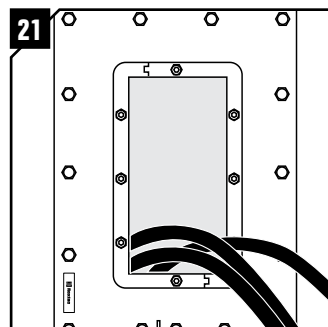
18

Bolt the flange with the sealing strip against the wall structure.

19

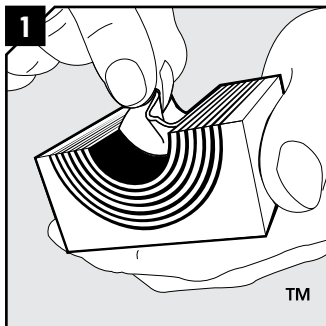Make sure that the inside surfaces of the frame are free from dirt and dust.

20

Lubricate the inside surfaces with Roxtec Lubricant. Put an extra amount of lubricant into the corners.
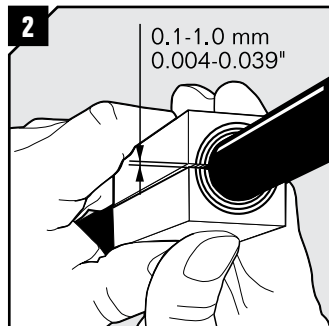
21

Pull the cables/pipes through and continue to module installation.
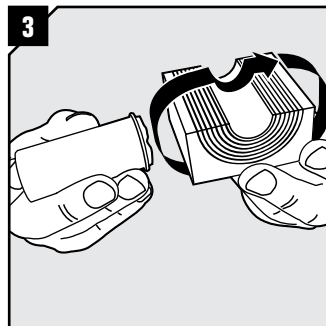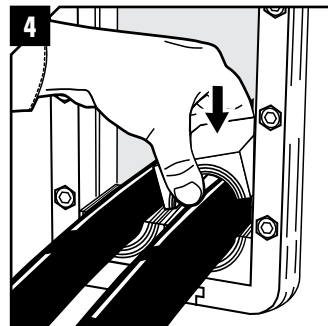
Module installation

1

Adapt modules, which are to hold cables or pipes, by peeling off layers until you reach the gap seen in pic. 2. The halves may not differ by more than one layer.
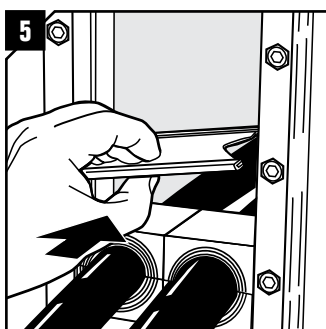
2

0.1-1.0 mm
0.004-0.039"

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

3

Lubricate all modules for the frame thoroughly, both the inside and the outside surfaces.
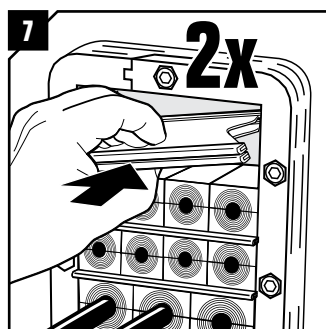
4

Insert the modules according to your installation plan (transit plan). It is recommended to seal cables/pipes at the bottom of the frame and put spare modules on top.
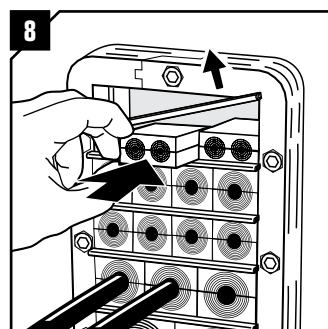
5

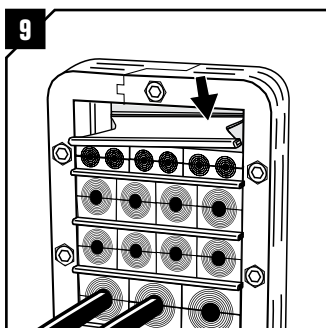Insert a stayplate on top of every finished row of modules.

6
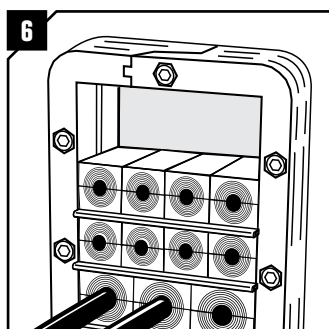
Continue to fill up the packing space of the frame, until one final row is left. See pictures "Packing space" for the full size of the space.
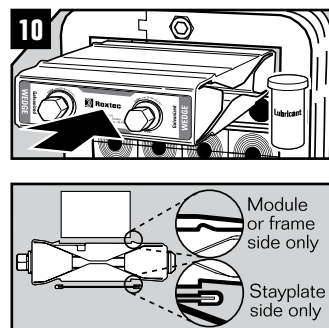
7

2x

Before inserting the final row of modules, insert two stayplates.

8

Separate the two stayplates and insert the final row of modules between the stayplates.

9

Drop the upper stayplate on top of the modules.

10

Module or frame side only

Stayplate side only

Lubricate all sides of the wedge sparsely, except front and back. Please read the markings on the wedge and turn it correctly before inserting it in the top of the frame (standard position). Face with "Stayplate this side" must always face a stayplate.

11
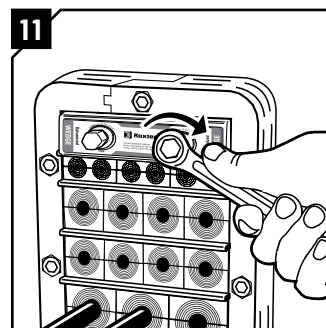
Tighten the screws until full stop, approx 20 Nm (15 ft.lb.).

12
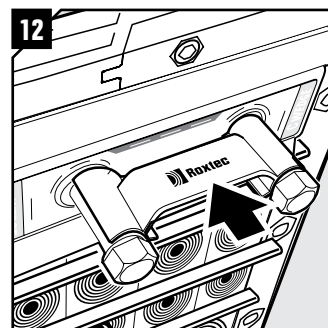
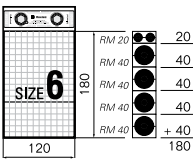Attach the Wedge Clip to the wedge bolts to check that the wedge is properly tightened.

13
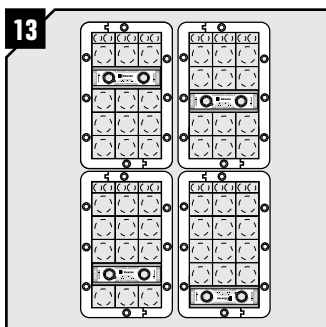
Optional wedge positions (anywhere within the frame).

Disassembly

Reverse order

Packing space

Frame size 6 accommodates the follo-
wing height of modules: 180 mm. As the
example shows, the 180 mm can be the
result of 4 rows of RM 40 plus one row of
RM 20w40.

Note

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

■ To be used with RM components.

■ Cables/pipes shall go perpendicularly through the frame.