))) **Roxtec**

Installation instructions
Roxtec R EMC

Products

Fig. 1:
Roxtec R EMC

Fig. 2:
Roxtec RM ES

Fig. 3:
Roxtec RM PE

Installation

1
Clean the sleeve to ensure good electric conductivity.

2
Push the front fittings to the sides.

3
Lubricate sparsely the front rubber area of the seal. (See fig. 4).

4
Lubricate sparsely inside the sleeve the area that corresponds to the back rubber area.
(See fig. 4)

Fig. 4

Sleeve

R EMC frame

Area to lubricate
Keep this area clean from lubricant and dirt

Back rubber area
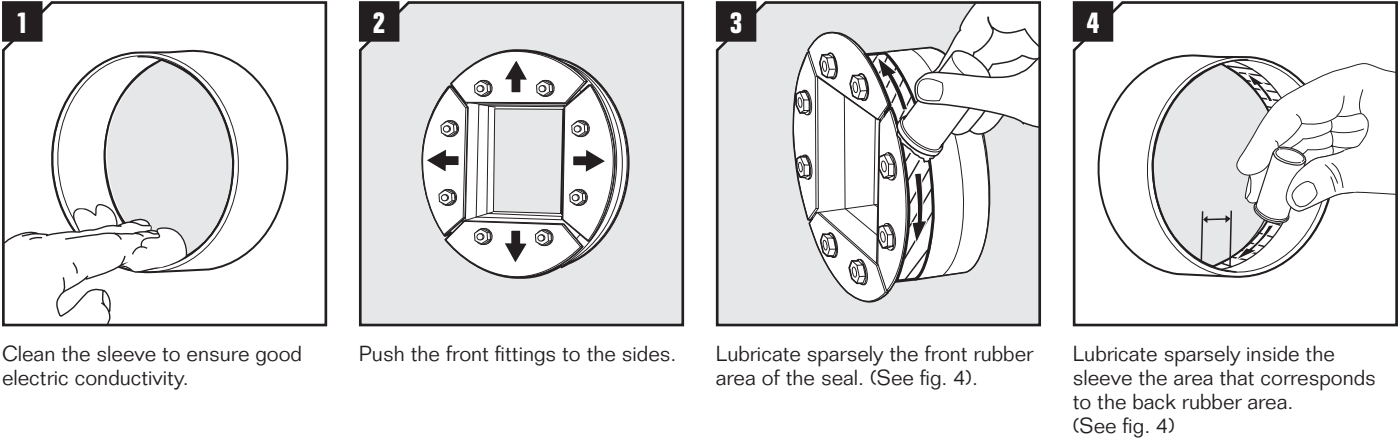Tape
Front rubber area

Area to lubricate

(Installation side)

Avoid getting lubricant on the tape by lubricating the sleeve and R EMC frame according to fig. 4.

5
Remove the protection tape and insert the frame into the opening.

6
Insert the cables into the frame. Keep the tape clean from dirt or lubricant.

7
min 25 mm (0.984")

Mark where the outer jacket is to be removed to fit the tape position. (See fig. 5 and fig. 6).

8
Cut the outer jacket with a tool of your choice. Make sure not to damage the cable screen.

9
Remove the outer jacket. Make sure cable screen is clean.

10
Remove the protection paper from the modules and fold back the tape.

Installation Roxtec RM ES modules

11a

Adapt outer layers to cable, (fig 5:A).

11b

Adapt inner layers to cable screen, (fig 5:B).

11c

Adapt vertical screen to cable screen, (fig 5:C).

11d

0.1-1.0 mm
0.004-0.039"

Test with a cable. Achieve a gap of 0.1-1.0 mm between the module halves. If not, repeat 11a-d.
The halves may not differ by more than one layer. Make sure the screen is in good contact with the module.

12a

Fold the adhesive tape tightly inside the module half from one side along the inner layers.

12b

Lift the plastic film from the folded side.

12c

Fold the tape on the other side tightly inside the module half. Make sure there are no air-pockets.

12d

Fold the plastic film back inside the module half.

13

Lubricate all modules sparsely with Roxtec Lubricant, on inside and outside rubber surfaces only. Do not lubricate the plastic film.

14

Remove the plastic film! Keep the tape clean. **Note:** Plastic must be removed on spares as well.

Please proceed to last page to complete the installation

Fig. 5
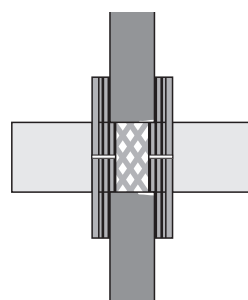
Cable
Tape

A
B
A

C

Cable
screen

A= Adapt to cable
B= Adapt to cable screen
C= Adapt to cable screen
(RM ES only)

Fig. 6

- Minimum accommodation diameter of the module refers to the minimum cable screen diameter.

- Maximum accommodation diameter of the module refers to the maximum cable jacket diameter.

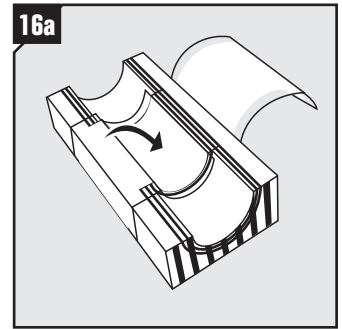# Installation Roxtec RM PE modules
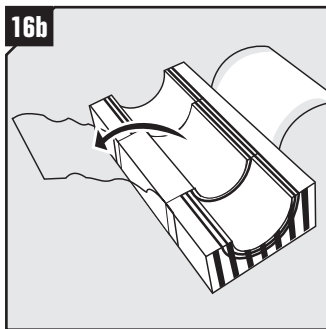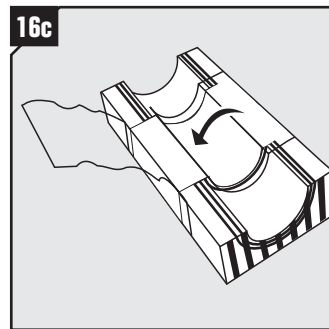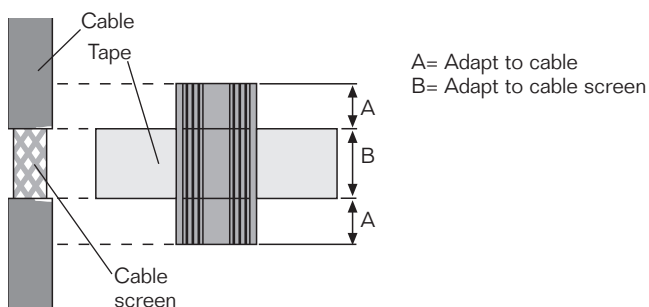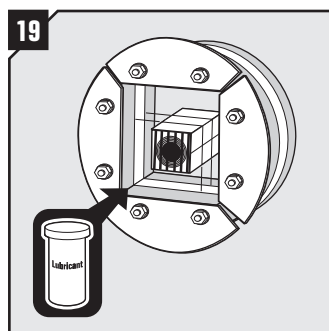
15a
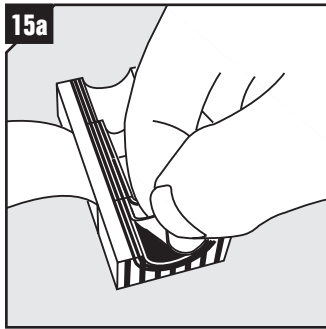
Adapt layers to fit outer jacket. (Fig 7:A).

15b
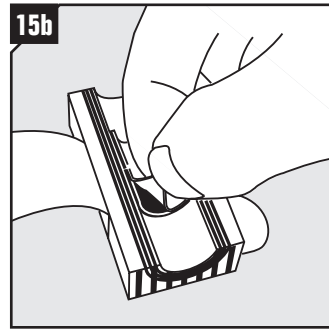
Adapt layers to fit cable screen. (Fig 7:B).

15c
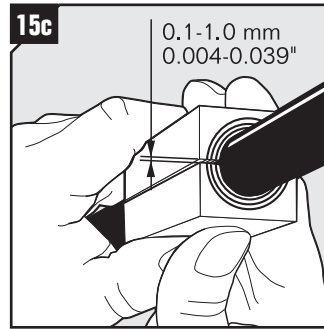
0.1-1.0 mm
0.004-0.039"

Test with a cable. Achieve a gap of 0.1-1.0 mm between the module halves. If not, repeat 15a-c.
The halves may not differ by more than one layer. Make sure the screen is in good contact with the module.

16a

Fold the adhesive tape tightly inside the module half from one side along the inner layers.

16b

Lift the plastic film from the folded side.

16c

Fold the tape on the other side tightly inside the module half. Make sure there are no air-pockets.

16d

Fold the plastic film back inside the module half.

17
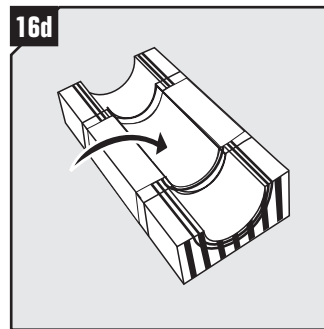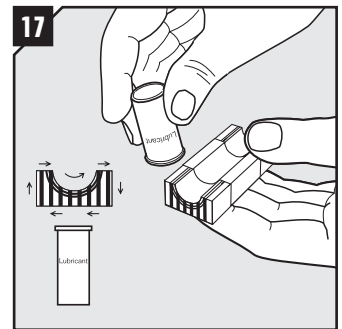
Lubricate all modules sparsely with Roxtec Lubricant on inside and outside rubber surfaces only. Do not lubricate the film.

18
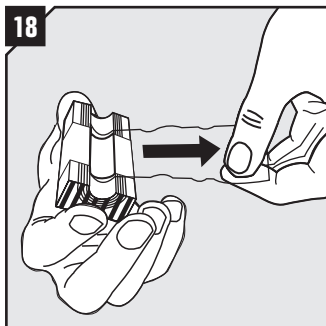
Remove plastic film! Keep the tape clean. **Note:** Plastic must be removed on spares.

Fig. 7
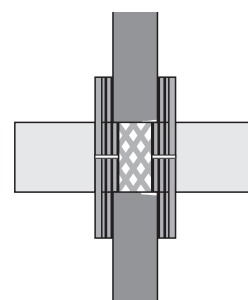
Cable
Tape

A= Adapt to cable
B= Adapt to cable screen

A
B
A

Cable screen

Fig. 8

- Minimum accommodation diameter of the module refers to the minimum cable screen diameter.

- Maximum accommodation diameter of the module refers to the maximum cable jacket diameter.

Installation continued

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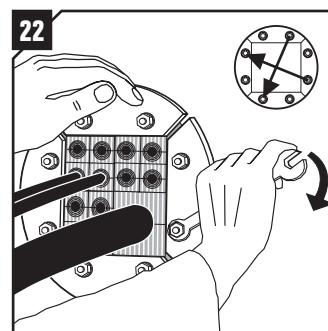
19

Lubricate the frame and the corners on the areas that will be in contact with the rubber of the modules.
Do not lubricate the areas that will be in contact with the tape.

20
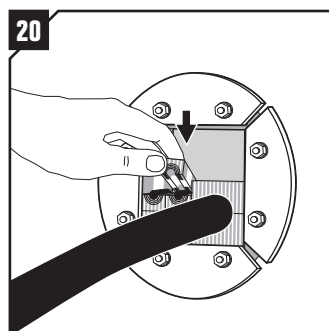
Insert the modules around the cables according to your installation plan (transit plan).

21
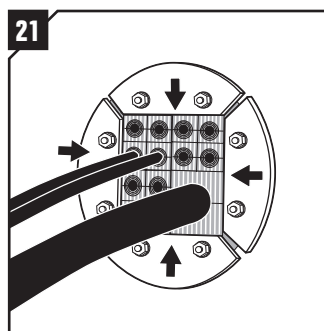
Push the front fittings back towards the center.

22

Tighten the nuts crosswise. The frame will compress until it is sealed. Please see recommended max torque in the table.

Type:	Rec. max torque* (Nm)
R 70 - R 127	6
R 150 - R 200	9

* The recommended max torque depends on several things, e.g. cable or pipe size, amount of lubricant used, sleeve size or material in the cable sheet, etc.

Disassembly

Reverse order.

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 ES or RM PE components.
■ Cables/pipes shall go straight through the frame.

THORNE & DERRICK INTERNATIONAL

Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com

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