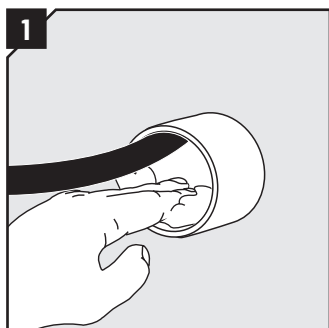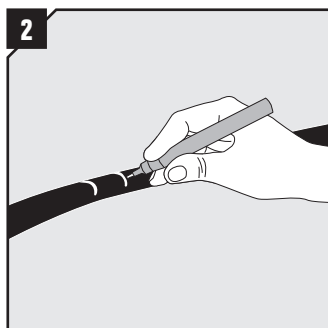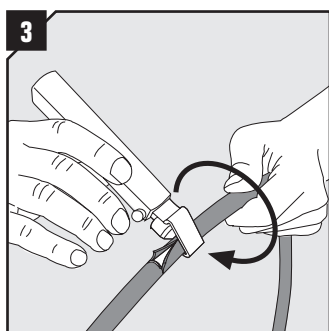## Roxtec

Installation instructions
Roxtec RS ES

Installation

1

Clean the empty sleeve from paint, dirt etc. to secure good electrical conductivity.

2

On the cable, mark where outer jacket is to be removed. Width depending on seal size.
Please see Fig. 1.

Fig. 1

RS ES 23-31

RS ES 43-150

15 mm

25 mm

Cable with piece of jacket removed

3

Cut the outer jacket with a tool of your choice. Make sure not to damage the cable screen.
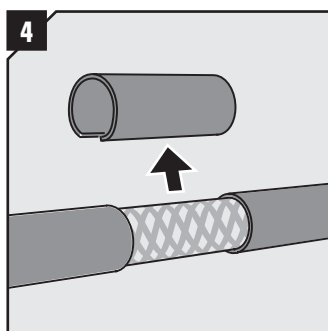
4

Remove the outer jacket and any plastic foil. Make sure cable screen is clean.
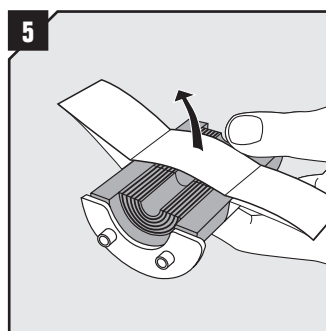
5

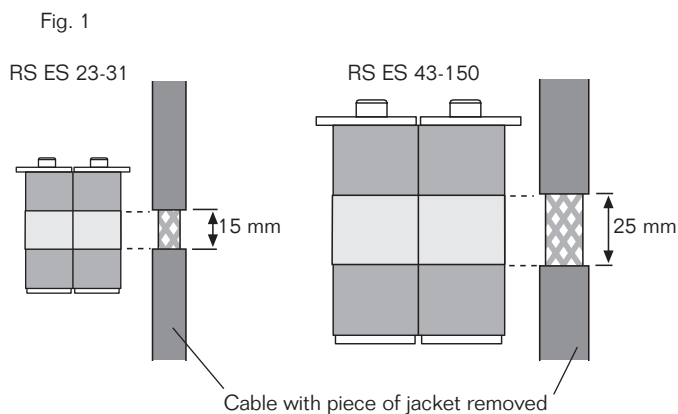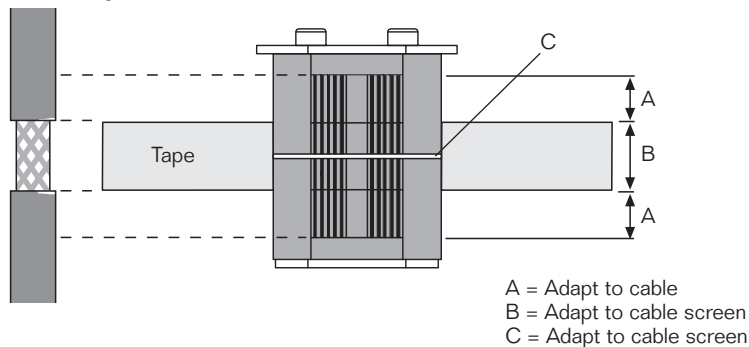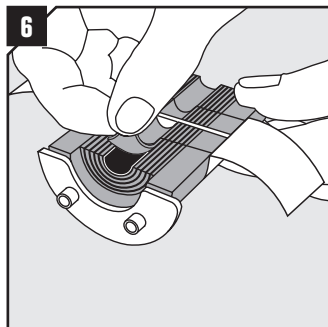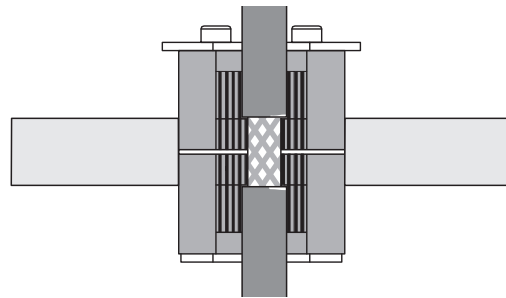Remove the protection paper from the modules and fold back the tape.

Fig. 2

Tape

C

A
B
A

A = Adapt to cable
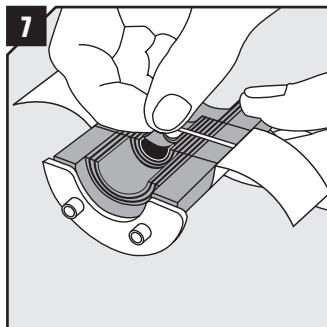B = Adapt to cable screen
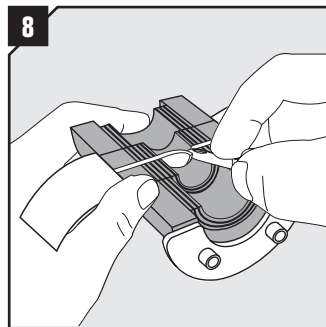C = Adapt to cable screen

Fig. 3

6

Adapt outer layers to cable.
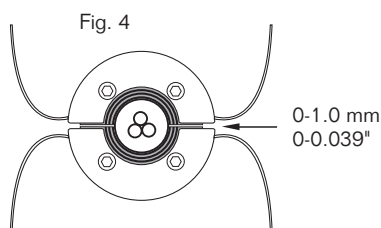(Fig. 2 pos. A)

7

Adapt inner layers to cable screen.
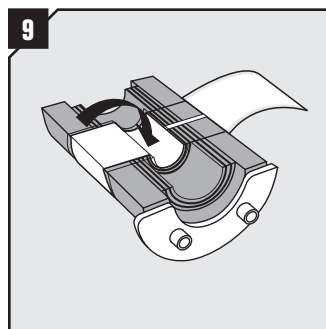(Fig. 2 pos. B)

8

Adapt vertical screen to cable
screen. (Fig. 2 pos. C)

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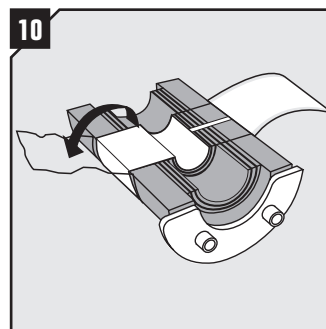the minimum cable screen diam-
eter.

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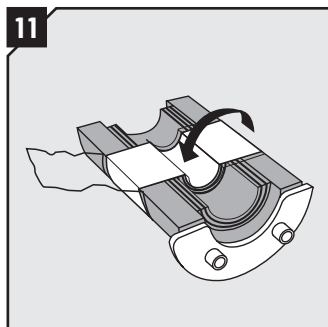eter.

Fig. 4

0-1.0 mm
0-0.039"

Test with a cable (Fig 4). Achieve
a gap of 0-1.0 mm between the
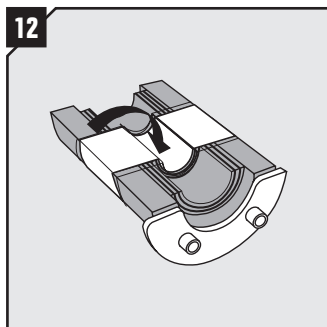seal halves. If not please repeat
step 6-8.

9

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

10

Lift the plastic film from the folded
side.

11

Fold the tape on the other side
tightly inside the module half. There
must be no air-pockets.

12

Fold the plastic film back inside the
module half.

13
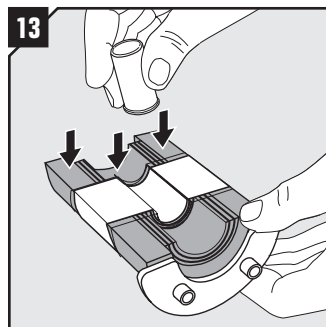
Lubricate the inner back rubber area
of both halves of the seal sparsely
with Roxtec Lubricant.
Do not lubricate the film or outer
back rubber area. Please see Fig. 5.

14
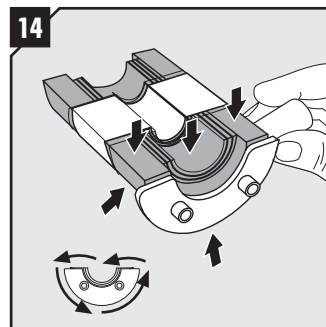
Lubricate the front rubber all
around the seal.
Please see Fig. 5.

15
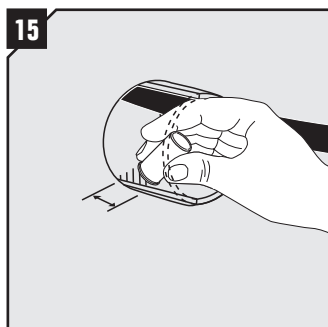
In order to avoid lubricant on the
conductive tape, lubricate inside
the sleeve only where back rubber
area will be located when installed.
Please see Fig. 5.

Fig. 5

Sleeve

Area to
lubricate

Keep this area
clean from
lubricant and dirt

(Installation side)

RS ES Seal

Back
rubber
area

Tape

Front
rubber
area

16 Remove the plastic film. Keep the tape clean.

17 Assemble the seal around the cable.
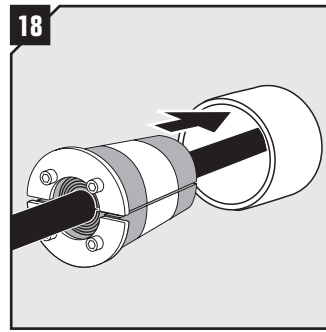
18 Install the complete seal into the sleeve.
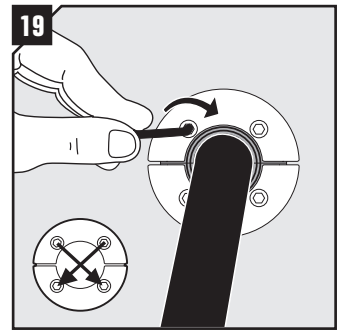
19 Tighten the screws crosswise. The seal will compress and seal the transit. Please see Fig. 6 and Fig. 7 how to indicate a tight seal and table for recommended max torque.

Fig. 6

Fig. 7

Cable   Sleeve
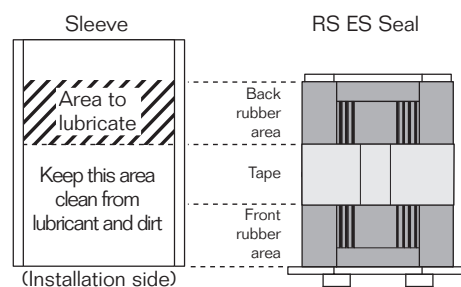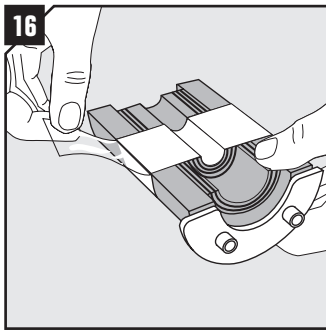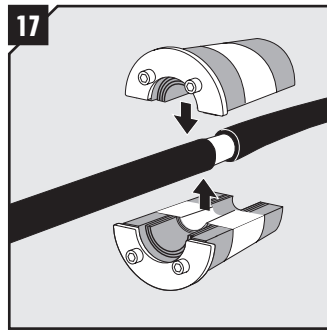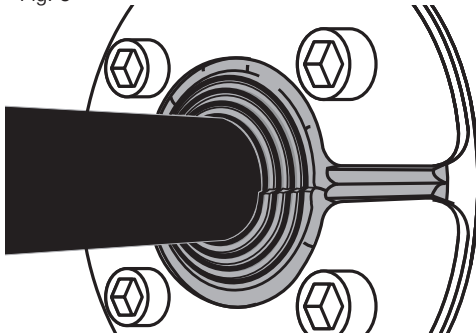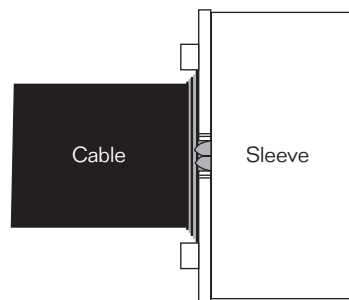
The seal is compressed when rubber expands over the front fittings and the layers bulge outwards.

Size: RS ES	Approx. torque* (Nm)
25 - 31	1
43 - 100	4
125 - 150	7

* The recommended torque depends on several things, e.g. cable or pipe size, amount of used lubricant, 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.

■ Cables shall go straight through the seal.

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DERRICK
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