Roxtec

THORNE & DERRICK INTERNATIONAL

Thorne & Derrick
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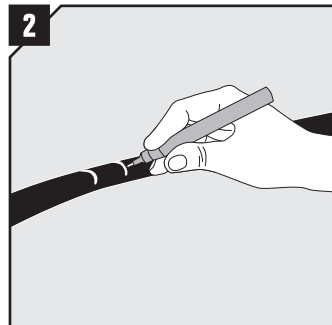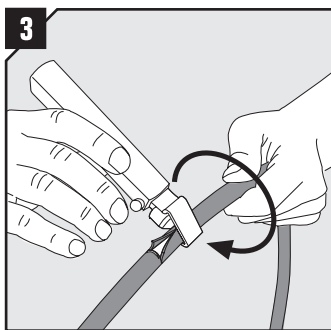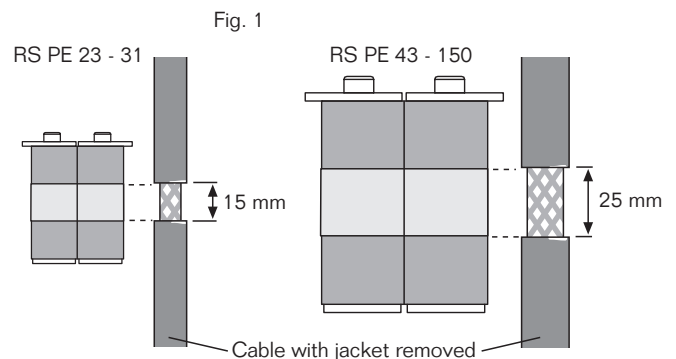www.powerandcables.com

Installation

1

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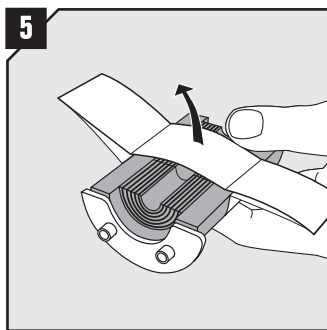

2

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

Fig. 1

RS PE 23 - 31

RS PE 43 - 150

15 mm

25 mm

Cable with jacket removed

3

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

4
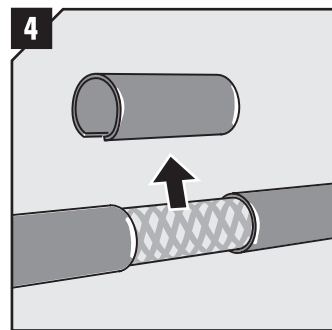
Remove the outer sheath. Make sure cable screen is clean and free from protective plastic film.

5

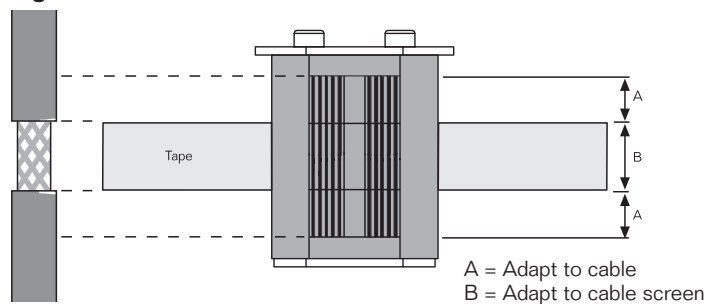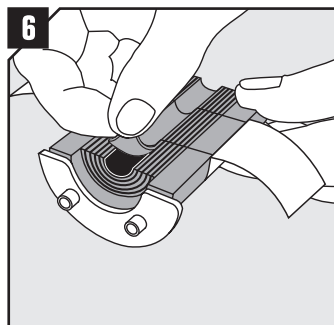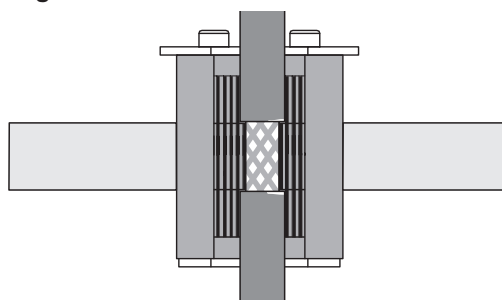Remove protection paper from the seal and fold back the tape.

Fig. B

Tape

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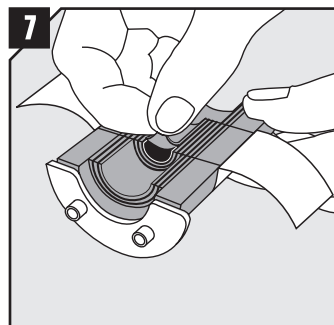
Fig. C

6

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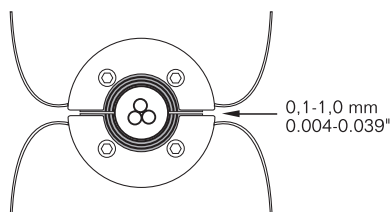(Fig. B pos. A)

7

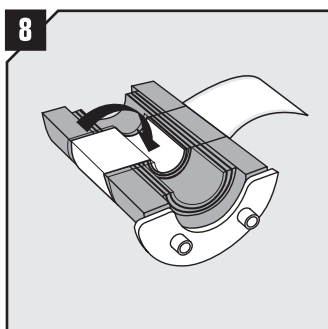

Adapt inner layers to cable screen.
(Fig. B pos. B)

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

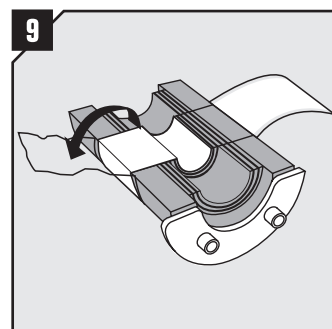■ Maximum accommodation diameter of the module refers to the maximum cable sheath diameter.
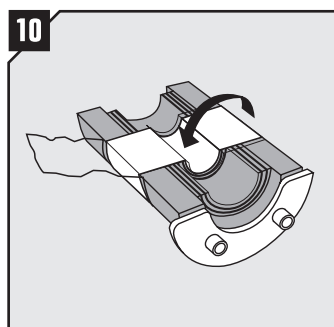
Fig. D

0,1-1,0 mm
0.004-0.039"

Test with a cable (Fig D). Achieve a gap of 0,1-1,0 mm between the seal halves. If not please repeat step 6-7.
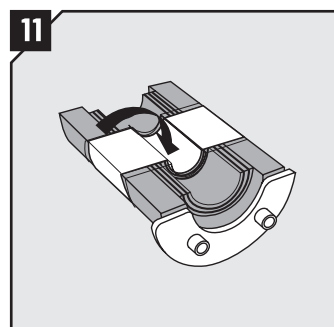
8

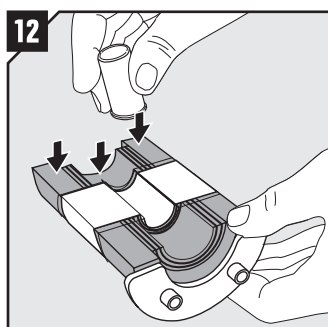Fold the adhesive tape tightly inside the seal from one side along the inner layers.
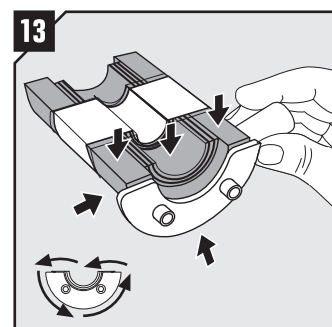
9

Lift the plastic film from the folded tape.

10

Fold the tape on the other side tightly inside the seal. There must be no air pockets.
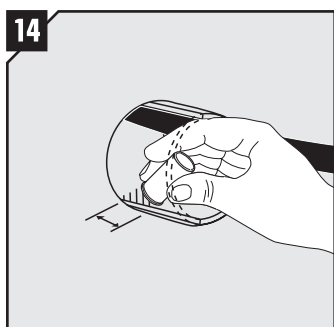
11

Fold the plastic film back inside the seal.

12

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. E.
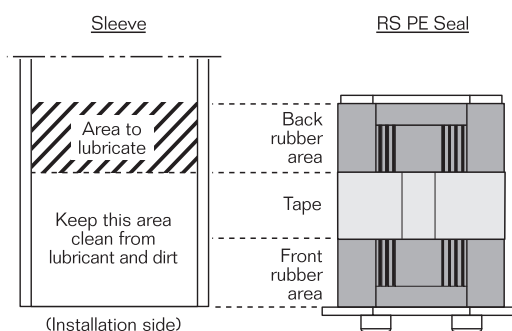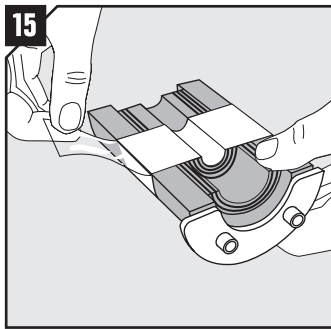
13

Lubricate the front rubber all around the seal.
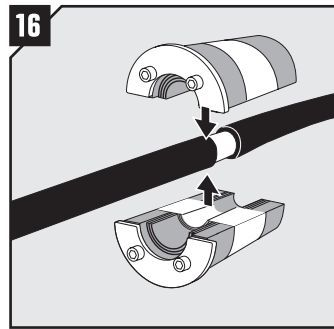Please see Fig. E.

14

Avoid getting too much lubricant on the conductive tape. Lubricate inside the sleeve only where back rubber area will be located when installed. Please see Fig. E.
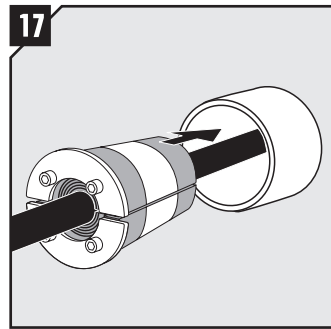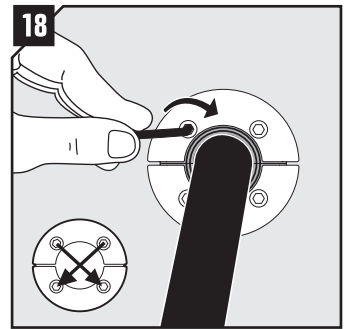
Fig. E

Sleeve   RS PE Seal

Area to lubricate

Keep this area clean from lubricant and dirt

(Installation side)

Tape

Front rubber area

15

Remove the plastic film. Keep the tape clean.

16

Assemble the seal around the cable.

17

Install the complete seal into the sleeve.

18

Tighten the screws crosswise. The seal will compress and seal the transit. Please see Fig. F and Fig. G how to indicate a tight seal and table for recommended max torque.
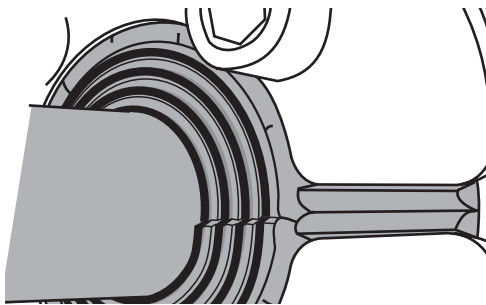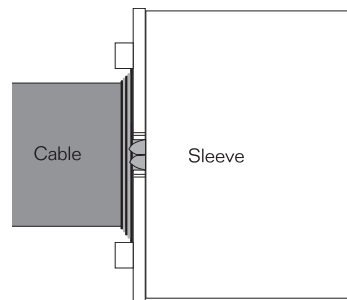
Fig. F

Fig. G

Cable   Sleeve

The seal is compressed when rubber expands over the front fittings and the inner part bulges outwards.

Size: RS PE	Rec. Max Torque* (Nm)
23 - 31	1
43 - 100	4
125 - 150	7

* The recommended max 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.

DISCLAIMER