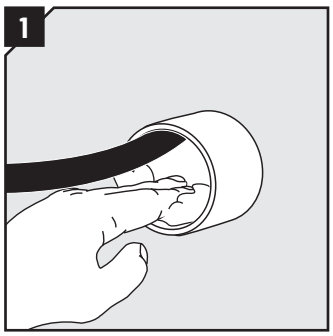
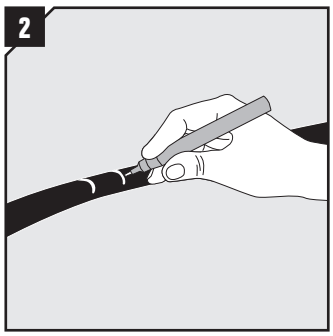
Roxtec

Installation instructions
Roxtec RS ES

Installation

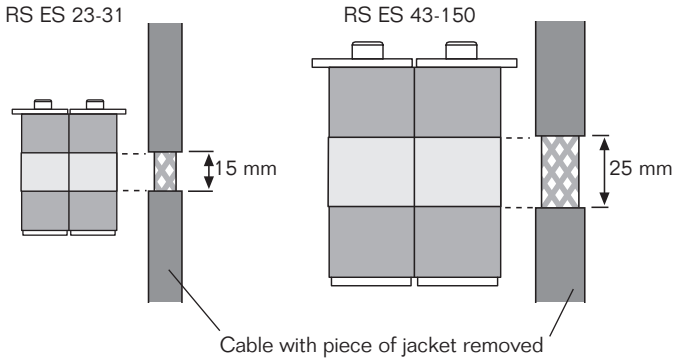


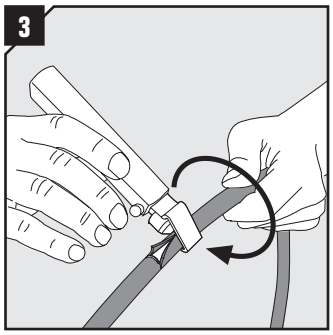
Clean the empty sleeve from paint, dirt etc. to secure good electrical conductivity.



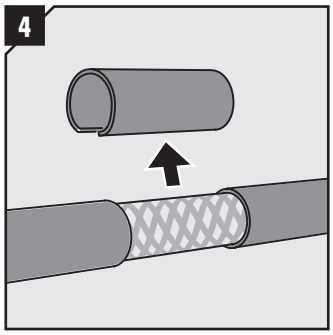
On the cable, mark where outer jacket is to be removed. Width depending on seal size. Please see Fig. 1.

Fig. 1

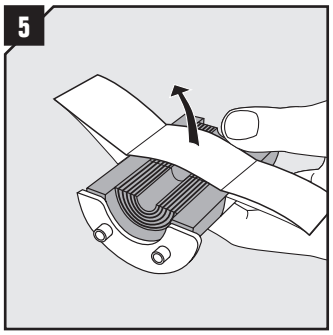




Cut the outer jacket with a tool of your choice. Make sure not to damage the cable screen.

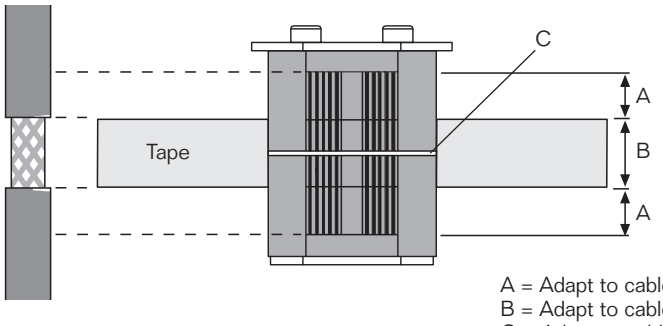


Remove the outer jacket and any plastic foil. Make sure cable screen is clean.



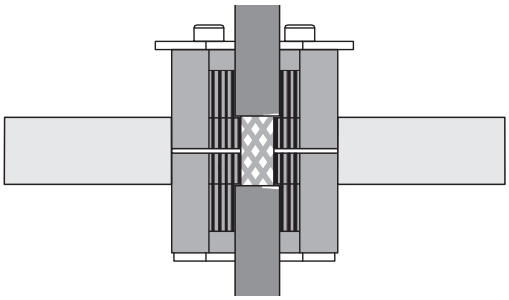
Remove the protection paper from the modules and fold back the tape.

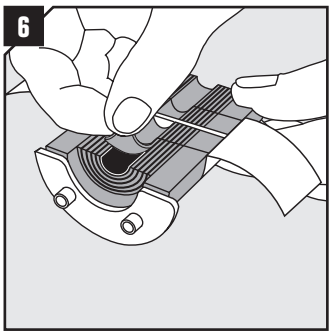
Fig. 2



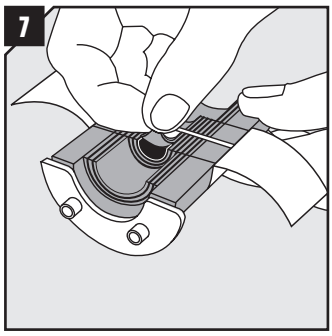
A = Adapt to cable
B = Adapt to cable screen
C = Adapt to cable screen

Fig. 3

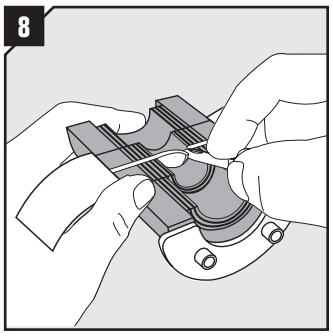




Adapt outer layers to cable. (Fig. 2 pos. A)



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

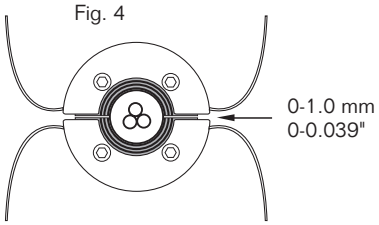


Adapt vertical screen to cable screen. (Fig. 2 pos. C)

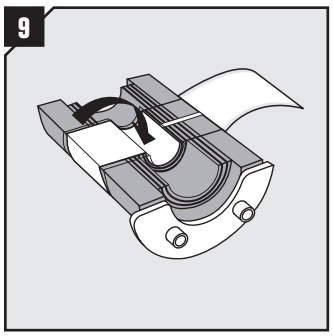
■ Minimum accommodation diameter of the module refers to the minimum cable screen diameter.

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

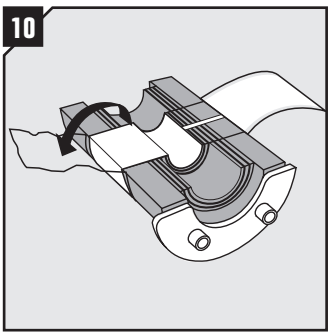
Fig. 4



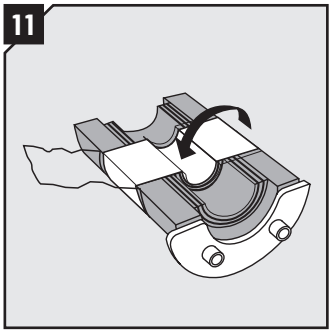
Test with a cable (Fig 4). Achieve a gap of 0-1.0 mm between the seal halves. If not please repeat step 6-8.



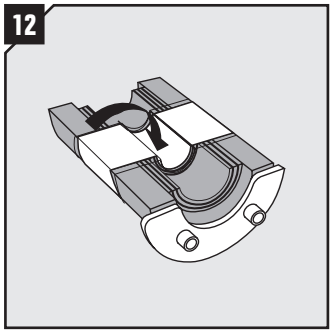
Fold the adhesive tape tightly inside the module half from one side along the inner layers.



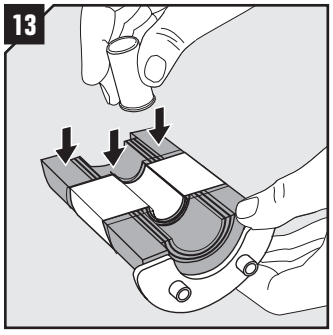
Lift the plastic film from the folded side.



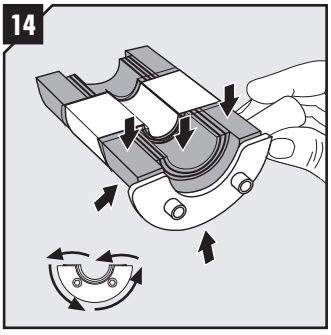
Fold the tape on the other side tightly inside the module half. There must be no air-pockets.



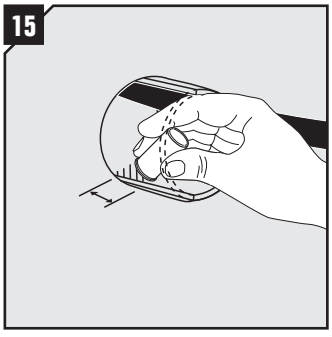
Fold the plastic film back inside the module half.



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.

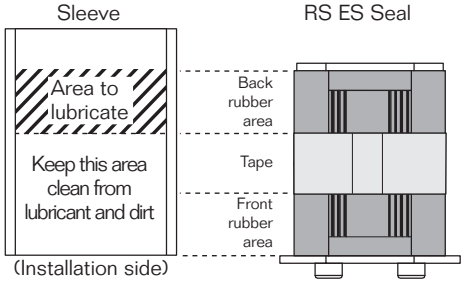


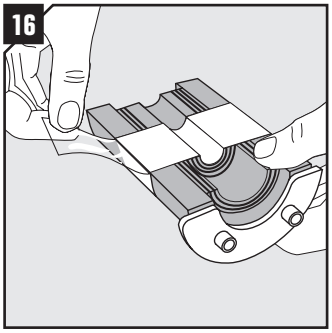
Lubricate the front rubber all around the seal.
Please see Fig. 5.



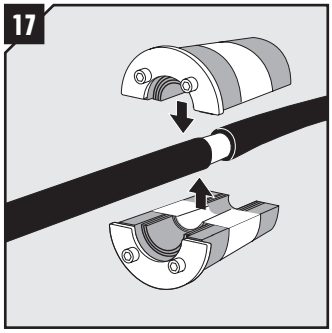
In order to avoid lubricant on the conductive tape, lubricate inside the sleeve only where back rubber area will be located when installed. Please see Fig. 5.

Fig. 5

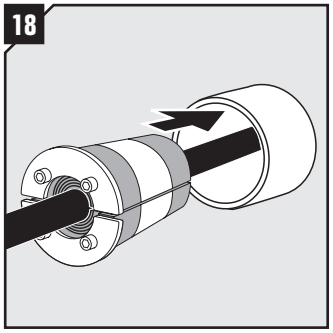




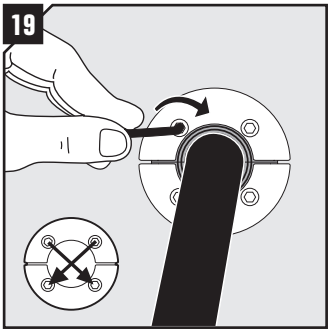
Remove the plastic film. Keep the tape clean.



Assemble the seal around the cable.



Install the complete seal into the sleeve.



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

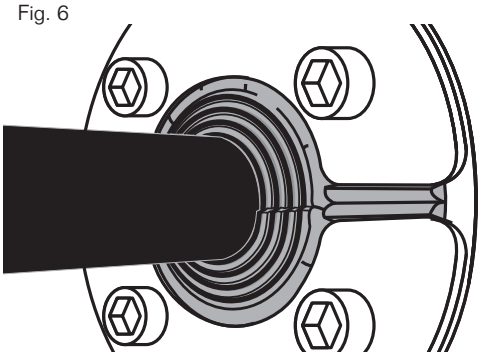
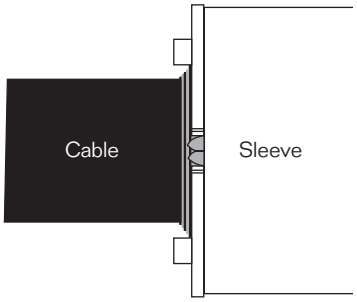


Fig. 7



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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(b) Installation shall be carried out in accordance with Roxtec installation instructions in effect from time to time.
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