

Products

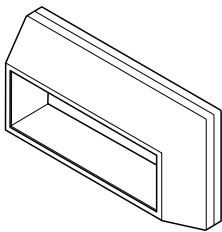


Fig. 1: Roxtec CF 8 EMC

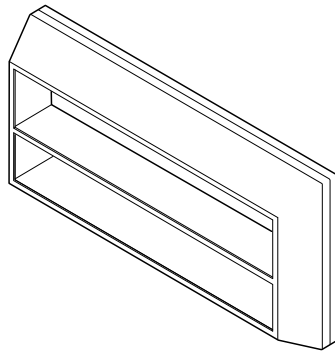


Fig. 2: Roxtec CF 32 EMC

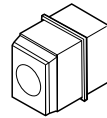


Fig. 3: C Compression unit ES

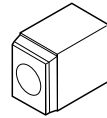


Fig. 4: C Compression IP/NEMA

Aperture dimensions, conductive area and max wall thickness

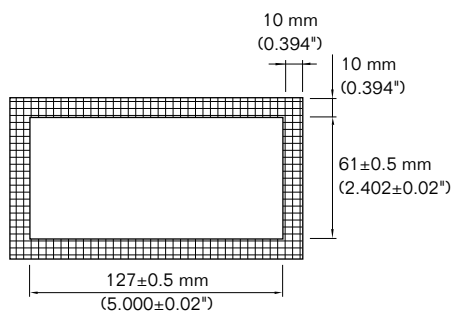


Fig. 5: Roxtec CF 8 EMC aperture dimensions

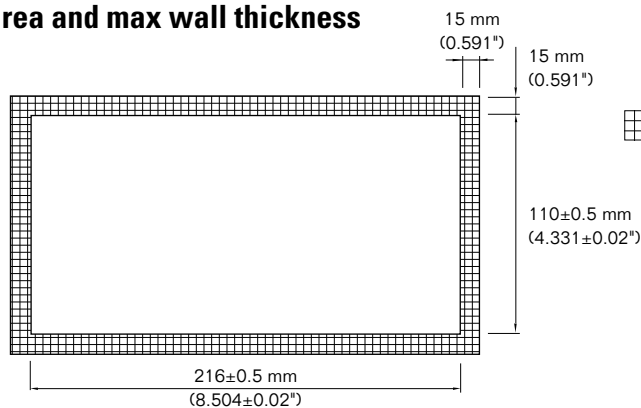



Fig. 6: Roxtec CF 32 EMC aperture dimensions

 Area that must be conductive and connected to ground

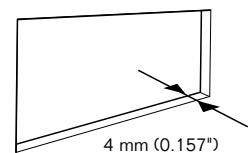


Fig. 7: Max wall thickness

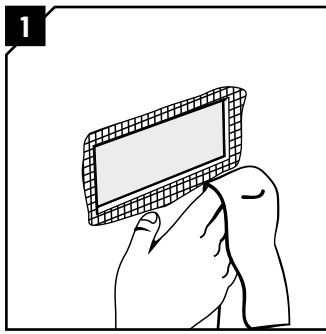
Disassembly

Reverse order (of the installation instructions).

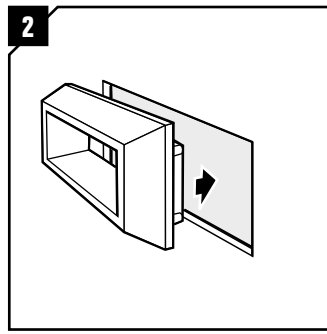
Note

- For optimum reliability, wait 24 hours or longer after installation before exposing the cables/pipes to strain or pressure.
- To be used with: CM ES or CM PE components.
- Cables shall go straight through the frame.
- Total packing space for CF 8: 40x80 mm (1.574"x3.149"), CF 32: 2x(40x160 mm) (2x(1.574"x6.299"))

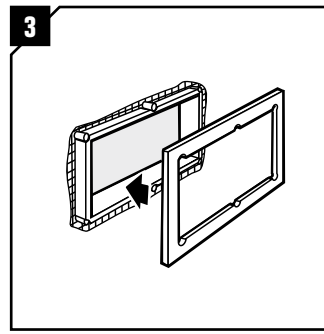
Installation



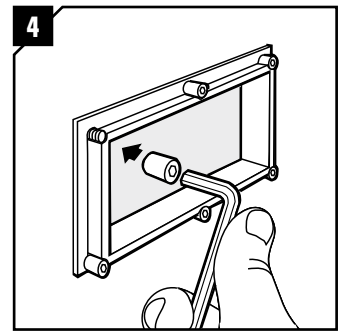
Ensure good electric conductivity between the counter frame and the structure. Clean the surface around the opening from inside the opening. Remove any paint if necessary.



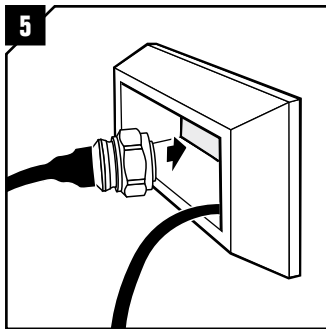
Insert the frame from the outside of the opening.



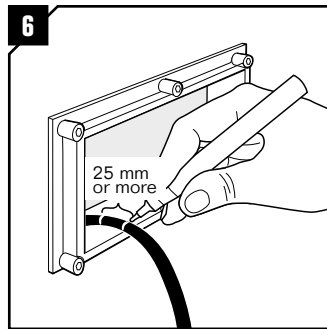
Insert the counter frame from the inside of the opening.



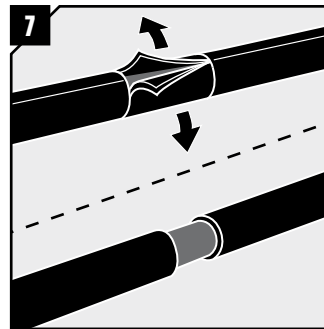
Fasten the frame by tightening the special nuts with an allen key.



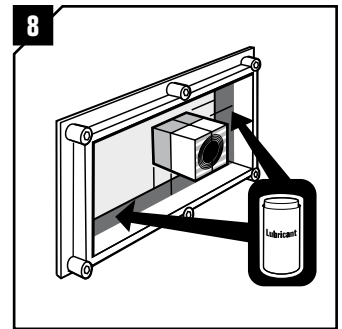
Insert all the cables.



Mark where the outer sheath is to be removed to fit the tape position.

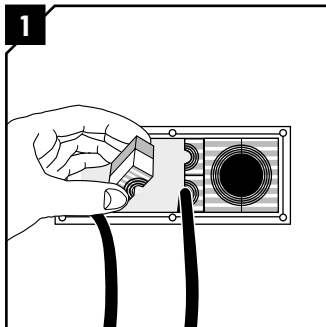


Remove the outer sheath to uncover the conductive surface. Remove any protection tape or plastic.



Lubricate the frame corners and 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.

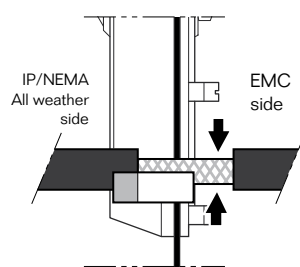
Please see next page on how to adapt the Roxtec CM ES or CM PE modules.



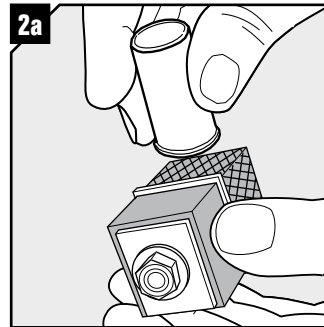
Insert the modules around the cables from the inside of the cabinet.

Fig. 8:

Module position and exposed cable screen

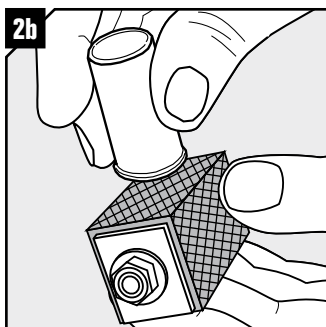
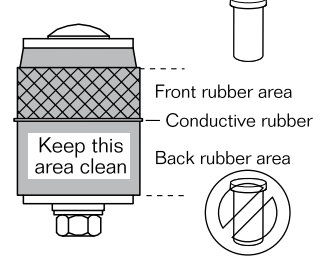


Cable and module position in the frame. Cable shall be installed so that exposed cable screen runs into the cabinet.



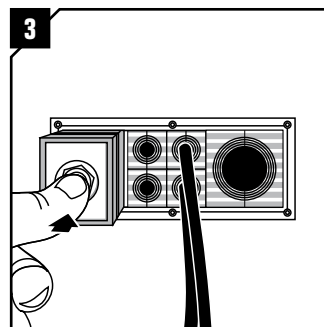
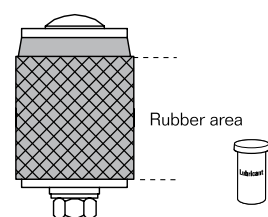
ES. Lubricate sparsely the front rubber area of the C Compression unit ES on all sides. Avoid lubricant on the conductive rubber. This is important for maintaining the EMC performance of the seal.

Fig. 9:
C Compression unit ES
All sides

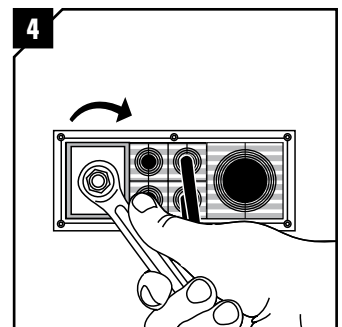


PE. Lubricate the C Compression IP/NEMA sparsely on all sides.

Fig. 10:
C Compression IP/NEMA
All sides

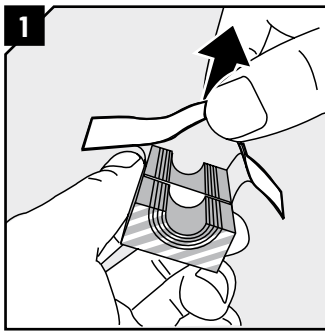


Gently insert the compression unit.

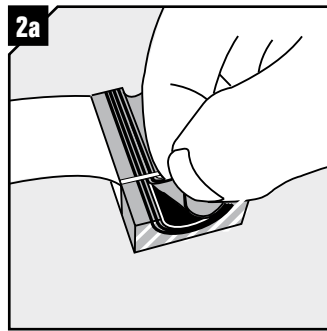


Tighten the compression unit to seal the frame. Recommended torque 8-12 Nm.

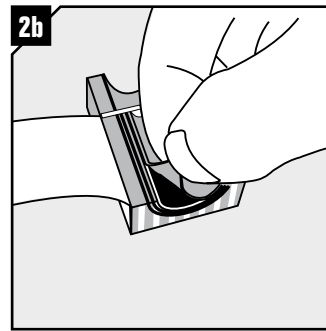
CM ES



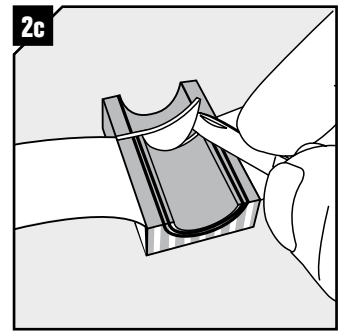
Remove the protection paper from the modules and fold back the tape.



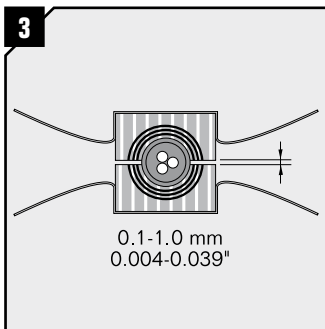
Adapt outer layers to cable.
(Fig 11:A)



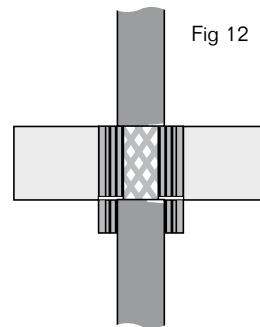
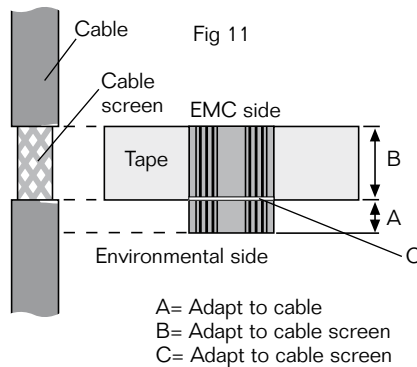
Adapt inner layers to cable screen.
(Fig 11:B)



Adapt vertical screen to cable screen.
(Fig 11:C)

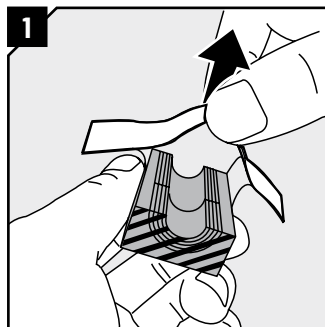


Test with a cable. Achieve a gap of 0.1-1.0 mm between the module halves. If not, repeat 2a-c. The halves may not differ by more than one layer. Make sure the screen is in good contact with the module.

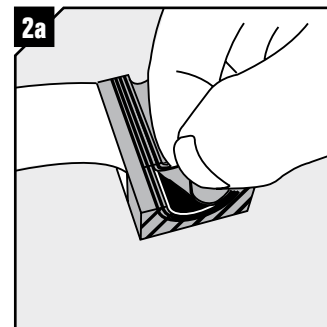


- Minimum accommodation diameter of the module refers to the minimum cable screen diameter.
- Maximum accommodation diameter of the module refers to the maximum cable sheath diameter.

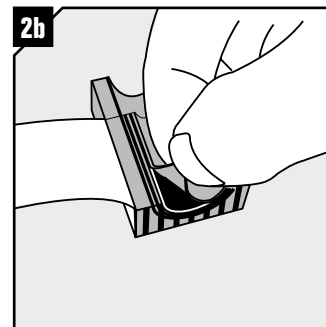
CM PE



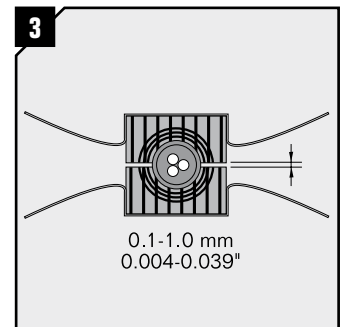
Remove the protection paper from the modules and fold back the tape.



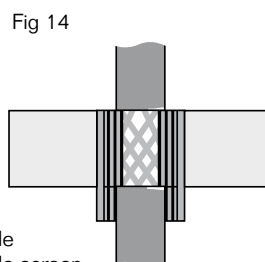
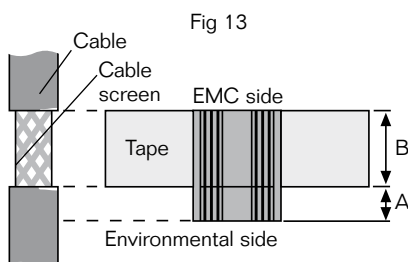
Adapt outer layers to cable.
(Fig 13:A)



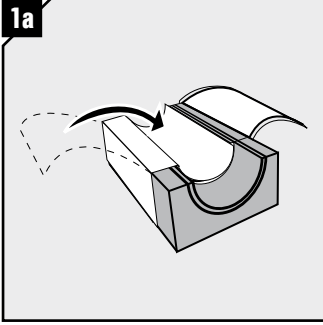
Adapt inner layers to cable screen.
(Fig 13:B)



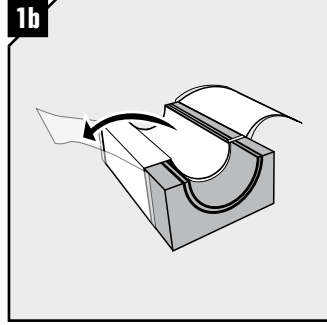
Test with a cable. Achieve a gap of 0.1-1.0 mm between the module halves. If not, repeat 2a-b. The halves may not differ by more than one layer. Make sure the screen is in good contact with the module.



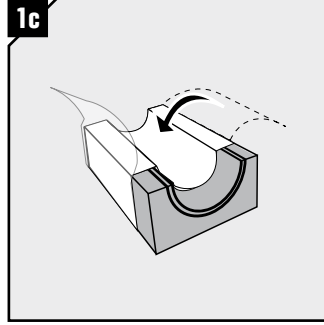
- Minimum accommodation diameter of the module refers to the minimum cable screen diameter.
- Maximum accommodation diameter of the module refers to the maximum cable sheath diameter.

CM ES/PE continued

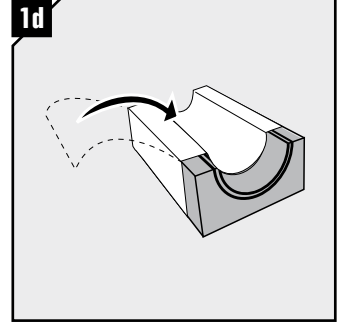
Fold the adhesive tape tightly inside the module half from one side along the inner layers.



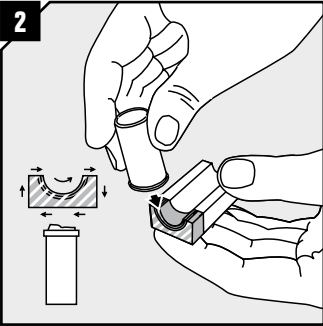
Lift the plastic film from the folded side.



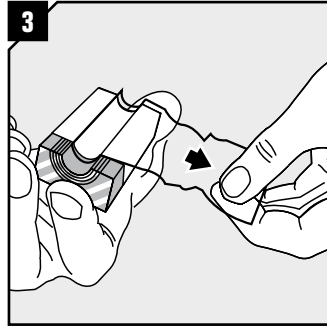
Fold the tape on the other side tightly inside the module half. There must be no air-pockets.



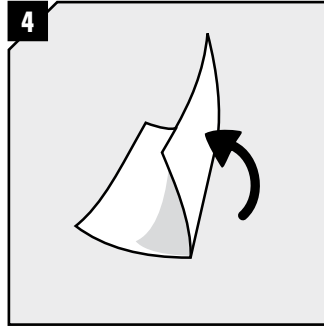
Fold the plastic film back inside the module half.



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



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

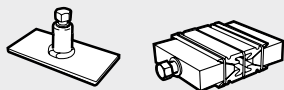


Continue to installation instructions for your frame.

Continue to page 2 for Roxtec CF 8 and CF 32 installation instructions

Installation tools

In order to further simplify installation, we provide tools for pre-compression of the modules in the frame. For more information about Roxtec tools, please visit www.roxtec.com.



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