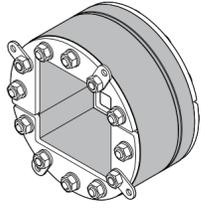
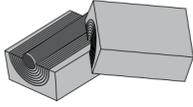


Components



R UG seal



RM UG modules



Lubricant

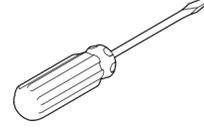
Tools



Spanner (not included)



Caliper (not included)



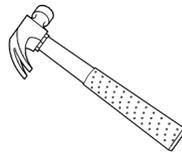
Screwdriver (not included)



Brush (not included)

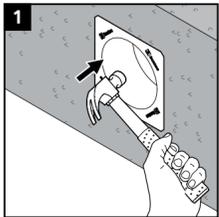
Technical data

Name	Aperture dimension Ø (mm)	Packing space (mm)	Tool size (mm)
R 100 UG	100 – 102	60 x 60	10
R 150 UG	150 – 152	90 x 90	13
R 200 UG	200 – 202	120 x 120	13



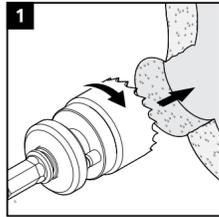
Hammer (not included)

Installation in a Roxtec knock-out sleeve



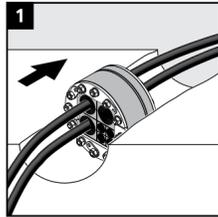
Remove the knock-out of the sleeve before inserting the seal.

Installation in a core-drilled hole



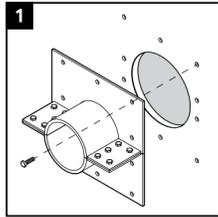
Use a hole saw with the appropriate diameter.

Installation in a non-perpendicular hole



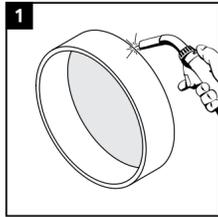
R UG inserted in a non-perpendicular hole.

Installation of bolted sleeve



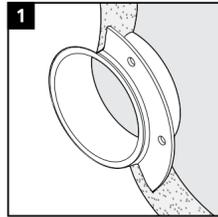
Attach the sleeve to the structure using suitable sealing method and suitable fasteners.

Installation in a welded sleeve



Weld the Roxtec sleeve to the structure. Welding guidelines are available at www.roxtec.com.

Casting a sleeve into a concrete wall

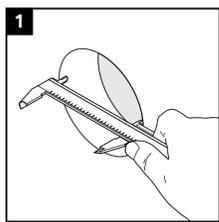


Cast the sleeve into a concrete wall.

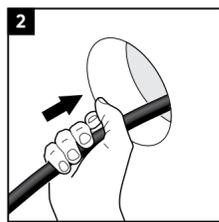
Note

- Wait 24 hours or longer after installation before exposing the cables/pipes to strain or pressure.
- Cables shall go straight through the seal.
- Cable/pipe with a considerable weight needs to be supported to prevent damage or subsidence to the seal.
- To be used with: Roxtec RM UG™ modules.
- Do not peel off the last rubber layer of each module half.

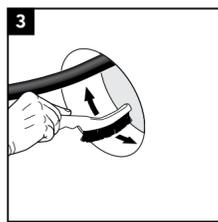
Installation Roxtec R UG™



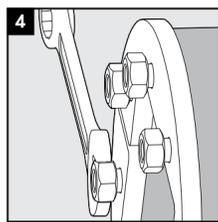
Make or verify an aperture.



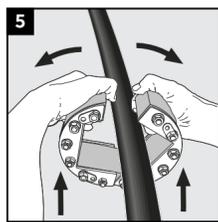
Pull the pipes/cables through.



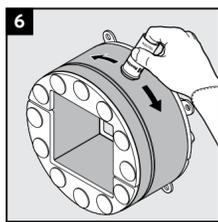
Clean the aperture.



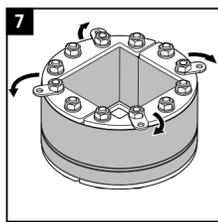
Loosen all the nuts.



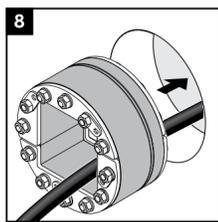
Open up the frame and place it around the cables.



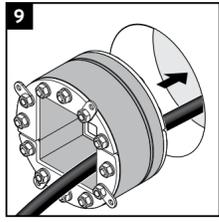
Lubricate the frame sparsely on the outside with Roxtec Lubricant if needed.



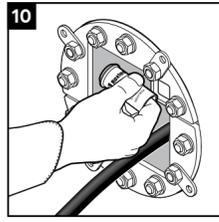
Fold out the tabs.



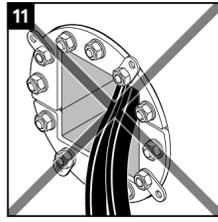
Tabs are folded in for inserted installations.



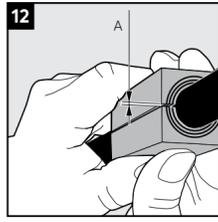
Insert the frame into the aperture.



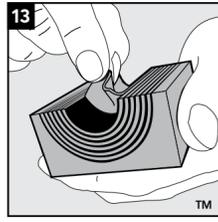
Lubricate the inside of the frame thoroughly, especially into the corners.



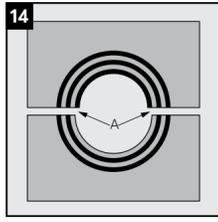
Cables shall go straight through the frame.



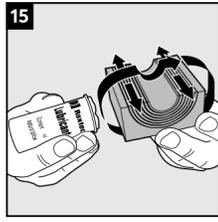
Achieve a 0.1-1.0 mm (A) gap between the two module halves when held against the cable/pipe.



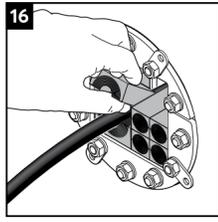
Adapt the modules by peeling off layers.



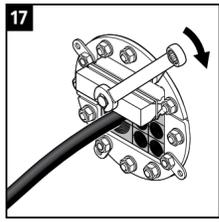
The number of layers may not differ (A) by more than one between the corresponding module halves.



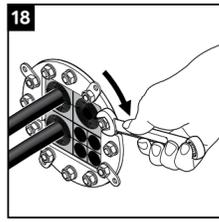
Lubricate all sealing surfaces on the modules.



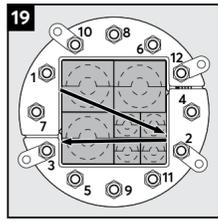
Insert the modules and cables/pipes according to your packing plan.



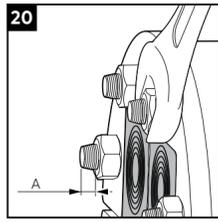
Use the Roxtec pre-compression tool to make room for the final module row.



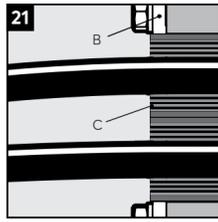
Tighten the nuts.



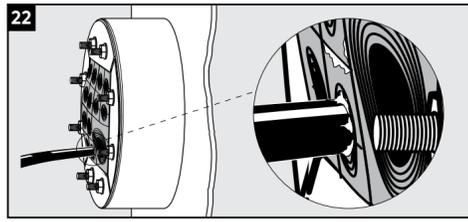
The nuts shall be tightened crosswise in small steps.



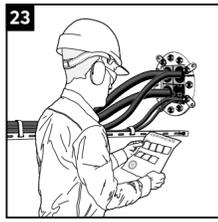
4-10 mm of thread (A) shall be visible after compression.



The module faces (C) shall be flush with the front fittings (B) of the frame after compression.

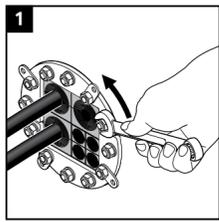


Signs of good compression are: The bolts are tightened similarly. Excessive lubricant is visible directly after installation. The rubber surfaces bulge and show convexity.

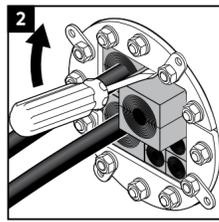


Make a final check! Different approvals or certificates may include amendments or limitations related to this application.

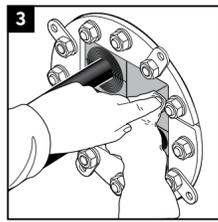
Disassembly and reinstallation



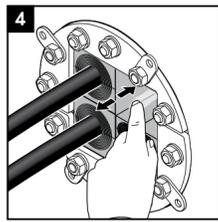
Untighten the nuts crosswise. Make sure the nuts are completely loose.



Remove the modules needed using a flat tool. Replace any damaged modules.



Clean the inside surfaces of the exposed packing space.



Lubricate the inside surfaces all around with Roxtec Lubricant, especially into the corners. Continue the reinstallation.

Disclaimer

The Roxtec cable entry sealing system ("the Roxtec system") is a modular-based system of sealing products consisting of different components. Each and every one of the components is necessary for the best performance of the Roxtec system. The Roxtec system has been certified to resist a number of different hazards. Any such certification, and the ability of the Roxtec system to resist such hazards, is dependent on all components that are installed as a part of the Roxtec system. Thus, the certification is not valid and does not apply unless all components installed as part of the Roxtec system are manufactured by or under license from Roxtec ("authorized manufacturer"). Roxtec gives no performance guarantee with respect to the Roxtec system, unless (i) all components installed as part of the Roxtec system are manufactured by an authorized manufacturer and (ii) the purchaser is in compliance with (a) and (b) below.

(a) During storage, the Roxtec system or part thereof, shall be kept indoors in its original packaging at room temperature.

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

The product information provided by Roxtec does not release the purchaser of the Roxtec system, or part thereof, from the obligation to independently determine the suitability of the products for the intended process, installation and/or use.

Roxtec gives no guarantee for the Roxtec system or any part thereof and assumes no liability for any loss or damage whatsoever, whether direct, indirect, consequential, loss of profit or otherwise, occurred or caused by the Roxtec systems or installations containing components not manufactured by an authorized manufacturer and/or occurred or caused by the use of the Roxtec system in a manner or for an application other than for which the Roxtec system was designed or intended.

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