

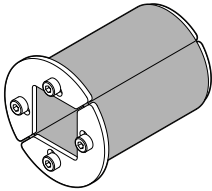
Safety information

Roxtec recommends that all installations are performed without facility operation. Follow national regulations and installation codes. Any action affecting the routed service should be performed according to manufacturer recommendations.

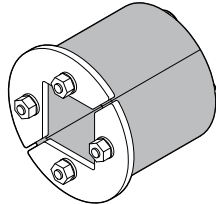


Installation instructions Roxtec R transit

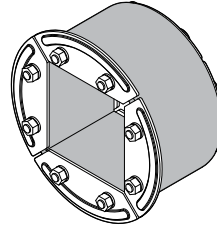
Components



Roxtec R 50 frame



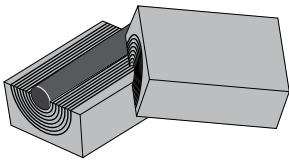
Roxtec R 70/75 frame



Roxtec R 100-200 frame



Roxtec Lubricant

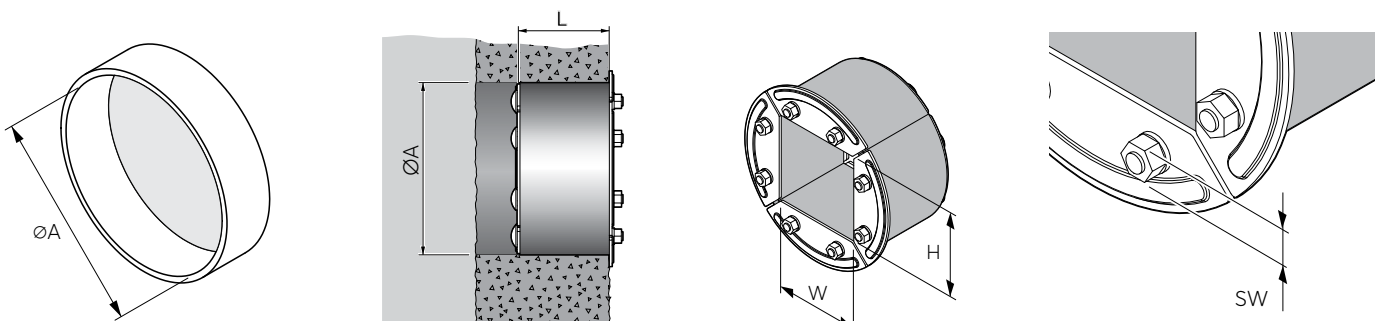


Roxtec RM sealing module
(not included)

Technical data

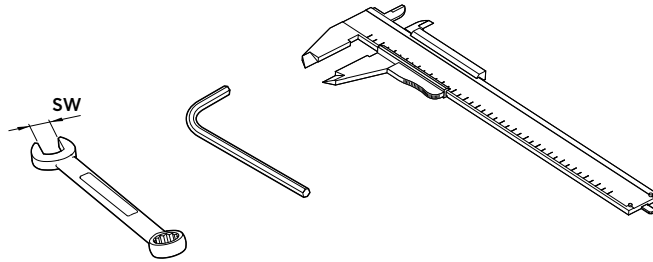
Frame	Aperture A Ø (mm)	Clearance depth L (mm)	Packing space (HxW)	Tool size SW (mm)	Approx. torque* (Nm)
R 50	50-52	73	30x30	3	5-6
R 70	70-72	71	40x40	10	6-7
R 75	75-77	71	40x40	10	6-7
R 100	100-102	75	60x60	10	6-7
R 125	125-127	71	80x80	10	6-7
R 127	127-129	71	80x80	10	6-7
R 150	150-152	71	90x90	13	9-11
R 200	200-202	71	120x120	13	9-11

* The amount of torque needed to compress the seal depends on several things, e.g cable or pipe size, amount of used lubricant, aperture size or material in the cable sheath, etc.

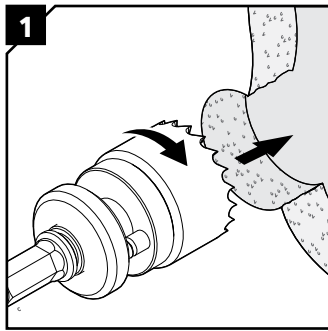


Tools

(Not included)

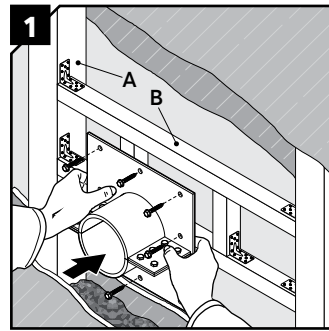


Installation in a core drilled hole



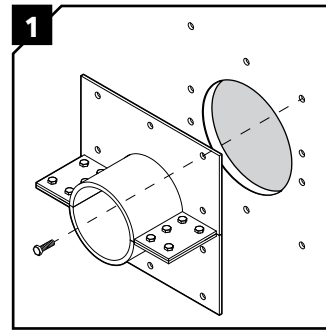
1 Use a hole saw with the appropriate diameter.

Installation in a non-load-bearing structure



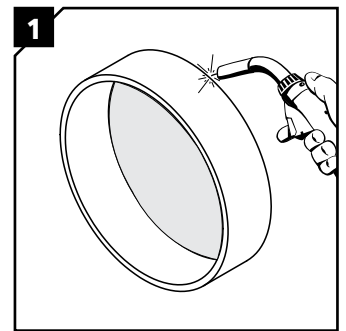
1 For non-load-bearing structure. Add additional aperture framing structure of steel or timber (B) to the existing structure (A) inside the wall. Attach the frame to the added structure with suitable fasteners.

Installation of bolted sleeve



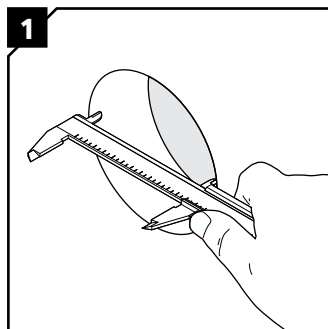
1 Attach the sleeve to the structure using suitable sealing method and suitable fasteners.

Installation in a welded sleeve

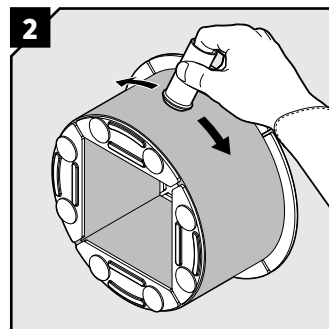


1 Weld the Roxtec sleeve to the structure. Welding guidelines are available at www.roxtec.com.

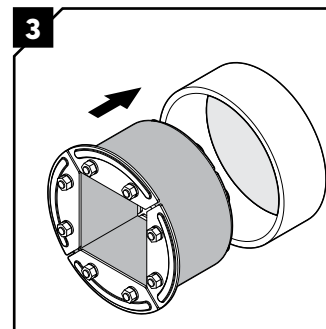
Installation R frame



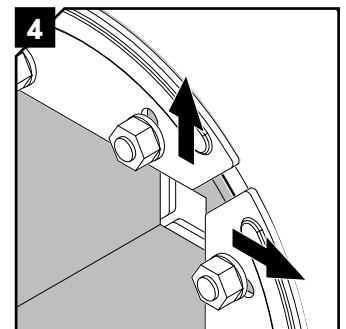
1 Make or verify an aperture according to the table on the first page.



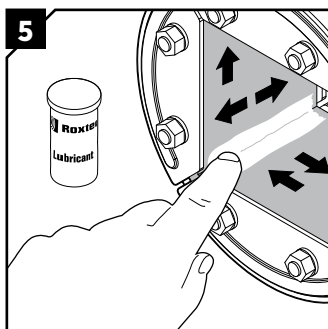
2 Lubricate the frame sparsely on the outside with Roxtec Lubricant.



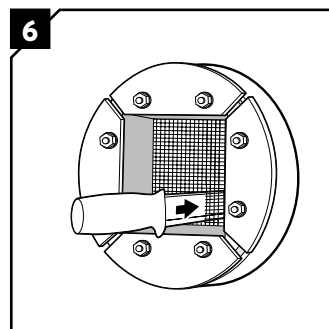
3 Insert the frame into the sleeve/hole.



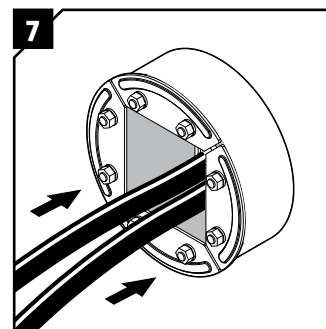
4 Push the front fittings to the sides.



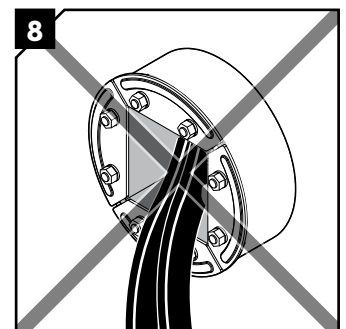
5 Lubricate the inside of the frame thoroughly, especially into the corners.



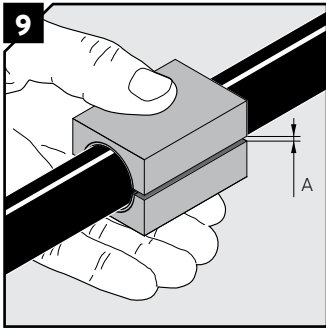
6 If the frame is provided with a net, cut or bend the net with a sharp tool, or your fingers, to enable cables/pipes to pass through at their position in the frame.



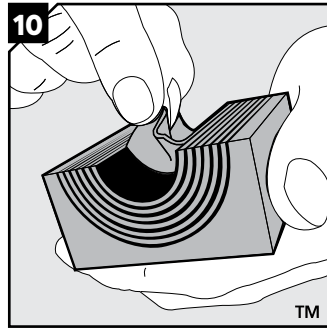
7 Pull the cables/pipes through. The cable/pipe shall go straight through the frame.



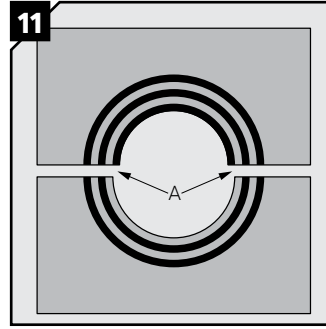
8 Not acceptable.



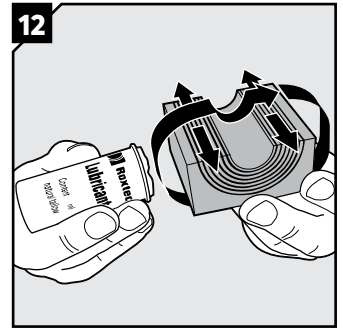
Achieve a 0.1-1.0 mm (A) gap between the two halves when held against the cable/pipe.



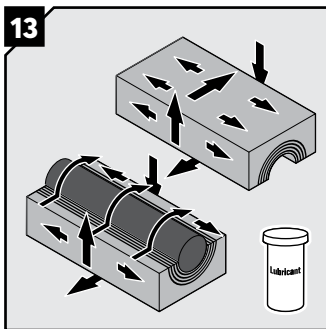
Adapt the modules by peeling off layers.



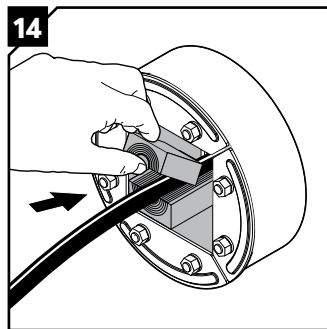
The number of layers may not differ (A) by more than one between the corresponding module halves.



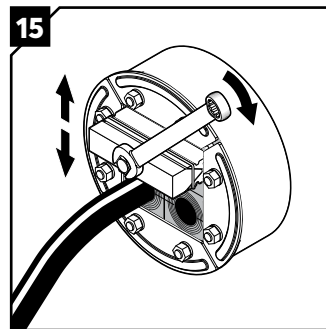
Lubricate all sealing surfaces on the modules.



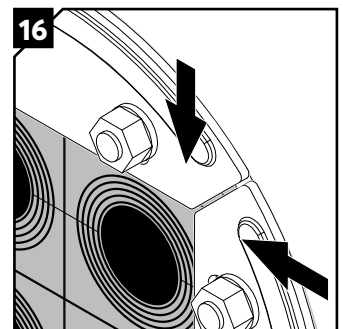
Lubricate the sealing surfaces of the spare modules. Do not remove the core.



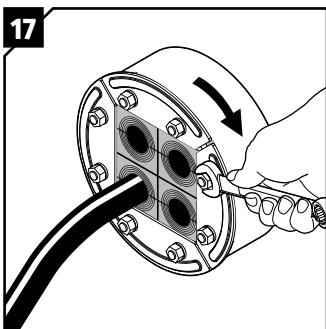
Insert the modules and cables/pipes according to your packing plan.



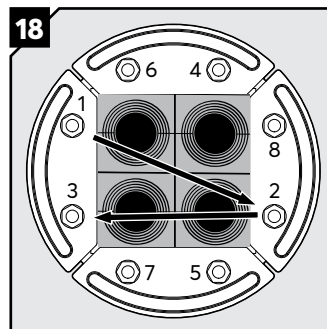
A Roptec pre-compression tool can be used to make room for the final module row, if necessary.



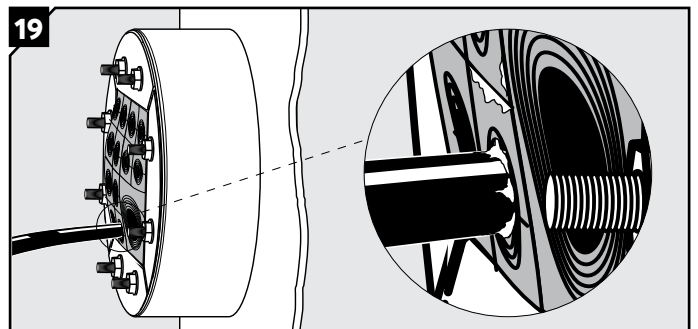
Push the front fittings back towards the center.



Tighten the nuts crosswise in small steps.



Example of a crosswise tightening pattern.

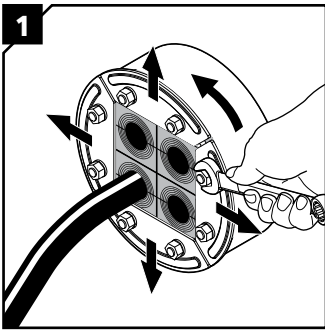


Signs of good compression are: The bolts are tightened similarly. Excessive lubricant is visible directly after installation. The rubber surfaces bulge and show convexity.

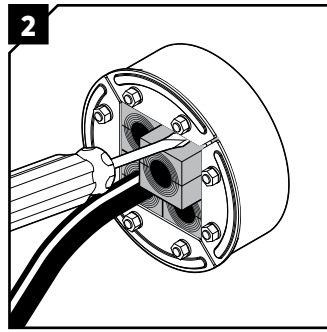
Note

- For optimum reliability, wait 24 hours or longer after installation before exposing the cables/pipes to strain or pressure.
- To be used with: RM modules.
- Cables/pipes shall be parallel to the sleeve/aperture.
- Cable/pipe with a considerable weight needs to be supported to prevent damage or subsidence to the seal.
- Approvals or certificates may include amendments or limitations related to this application.
- The latest version of this and related documents are found at roxtec.com.

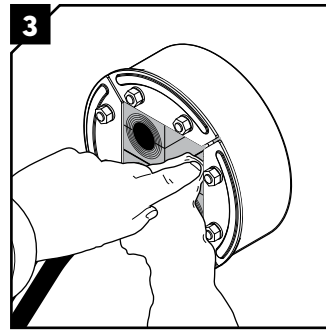
Disassembly and reinstallation



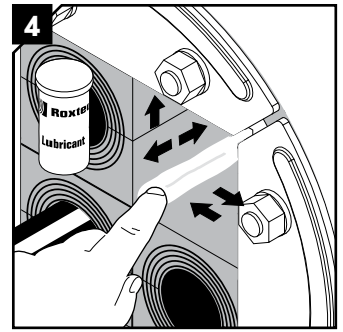
1 Untighten the nuts crosswise in small steps. Make sure the nuts are completely loose. Push the front fittings to the sides.



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

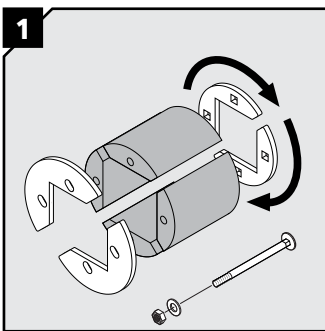


3 Clean the inside surfaces of the exposed packing space.

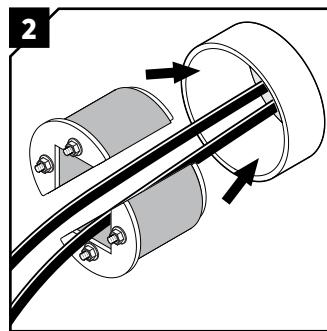


4 Lubricate the inside surfaces all around with Roxtec Lubricant, especially into the corners. Continue the reinstallation from page 2, step 7.

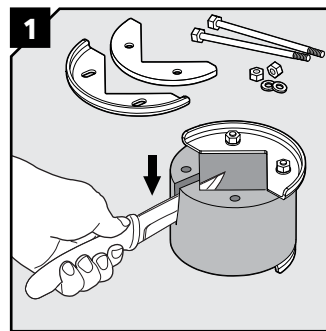
Pre-routed cables/pipes



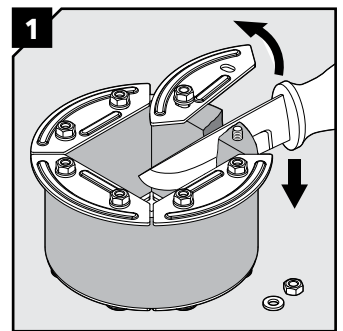
R70/75: If pipes cables are pre-routed, disassemble the seal and orientate the fittings as shown.



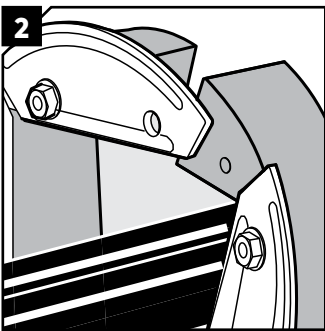
R70/75: Assemble the parts and insert the seal halves into the sleeve.



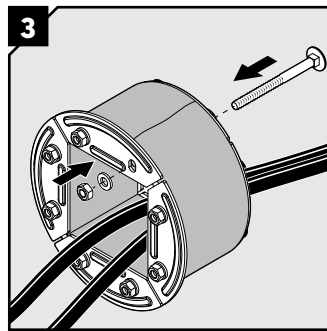
R100: Partly disassemble the seal and cut between screw and corner.



R125-R200: Partly disassemble and cut the side open between screws with a sharp tool.



R100-R200: Open the frame and wrap it around the cables.



R100-R200: Reassemble the frame around the cables. Continue the reinstallation from page 3, step 9.

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.

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