

Safety information

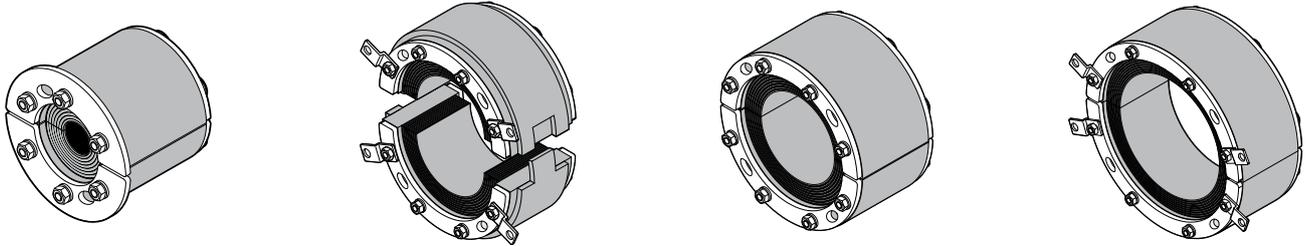
Roxtec recommends that all installations are performed without facility operation. Follow national regulations and installation codes. Any action affecting the routed service should be performed according to manufacturer recommendations.



Installation instructions Roxtec RS UG™ seal

Components

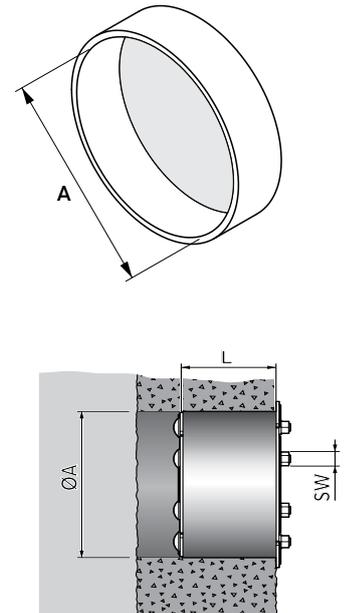
Versions of RS UG seals



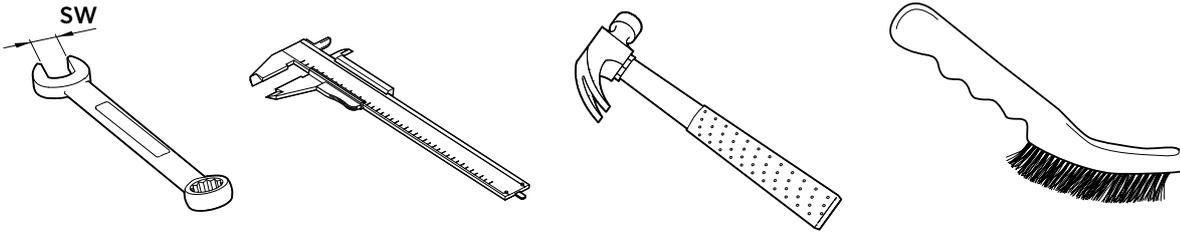
Aperture dimensions

Measures in millimeters (mm)

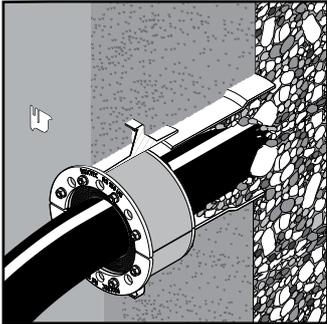
Size	Aperture diameter A	Min. clearance depth L	Cable/pipe diameter range	SW
RS 70 UG	70-75	83	9-33	10
RS 75 UG	75-80	83	9-33	10
RS 80 UG	80-85	83	9-33	10
RS 90 UG	90-95	83	24-53	10
RS 95 UG	95-100	83	24-53	10
RS 100 24-53 UG	100-105	83	24-53	10
RS 100 UG	100-105	83	39-63	10
RS 105 UG	105-110	83	39-63	10
RS 110 UG	110-115	83	39-63	10
RS 125 UG	125-130	83	55-88	10
RS 130 UG	130-135	83	55-88	10
RS 135 55-88 UG	135-140	83	55-88	10
RS 135 UG	135-140	83	65-98	10
RS 140 UG	140-145	83	65-98	10
RS 145 UG	145-150	83	65-98	10
RS 150 UG	150-155	83	80-113	10
RS 155 UG	155-160	83	80-113	10
RS 160 UG	160-165	83	80-113	10
RS 185 UG	185-190	83	115-148	10
RS 190 UG	190-195	83	115-148	10
RS 195 UG	195-200	83	115-148	10
RS 200 UG	200-205	83	130-163	10
RS 205 UG	205-210	83	130-163	10
RS 210 UG	210-215	83	130-163	10
RS 225 UG	225-230	83	146-179	13
RS 230 UG	230-235	83	146-179	13
RS 235 UG	235-240	83	146-179	13
RS 250 UG	250-255	80	171-204	13
RS 255 UG	255-260	80	171-204	13
RS 260 UG	260-265	80	171-204	13



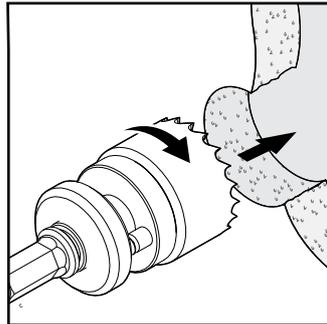
Optional tools



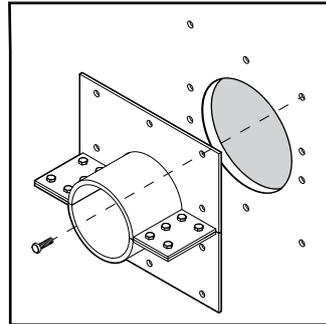
Different installations of Roxtec RS UG™



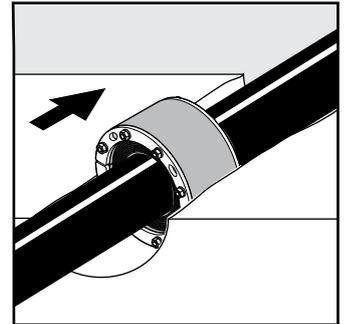
Installation in a sleeve cast in the structure. The seal can also be installed from the inside of the structure.



Installation in a core drilled hole. Use a hole saw with the appropriate diameter.

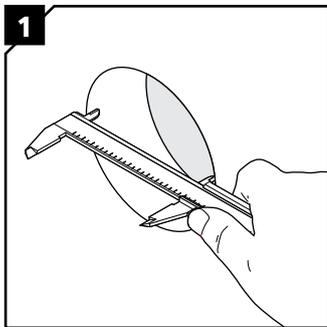


Installation in sleeve fastened by bolts. Use the flange as template for the drilling of the bolt holes. For retrofit purposes, an openable sleeve can be used.

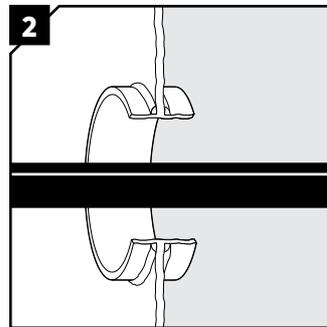


Seal inserted in a non-perpendicular hole.

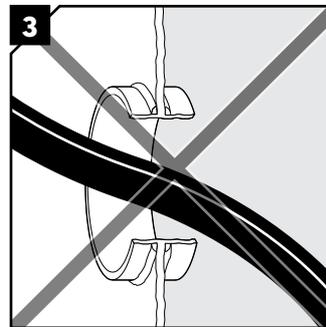
Installation



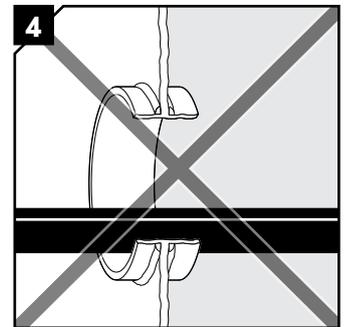
1 Measure the aperture according to the table on the first page.



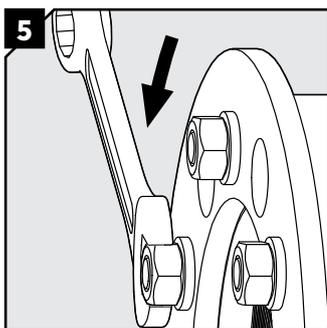
2 The cable/pipe shall go straight and centered through the sleeve.



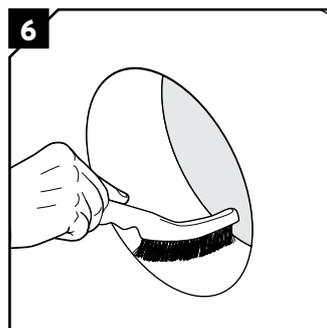
3 Not acceptable.



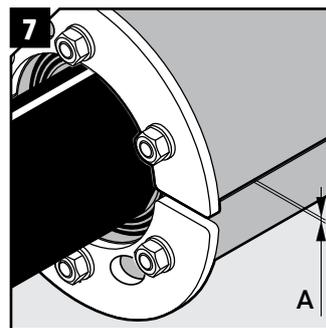
4 Not acceptable.



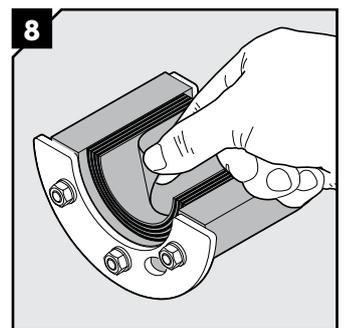
5 Loosen all the nuts.



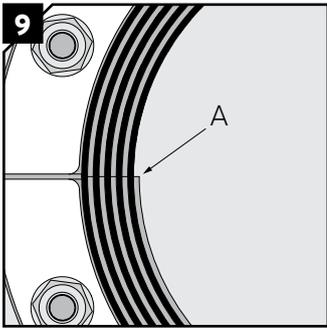
6 Clean the aperture.



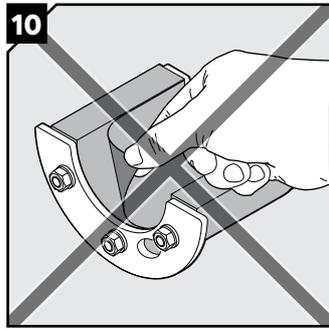
7 Achieve a 0-1.0 mm (A) gap between the two halves when held against the cable/pipe.



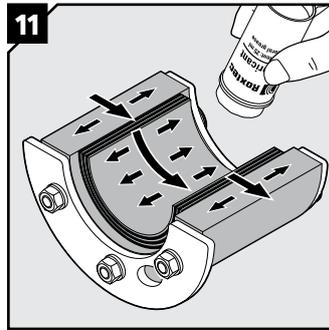
8 Adapt the RS UG seal by peeling off layers.



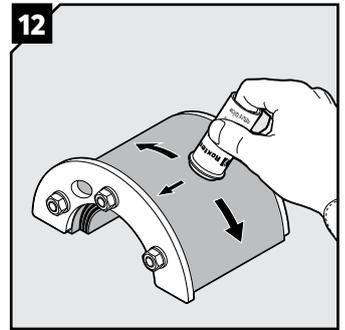
9 The number of layers may not differ (A) by more than one between the corresponding seal halves.



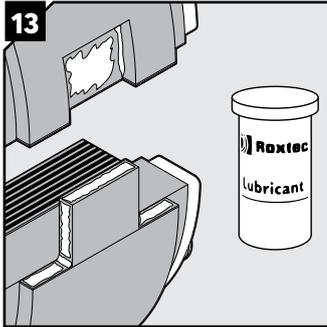
10 Do not remove the last layer.



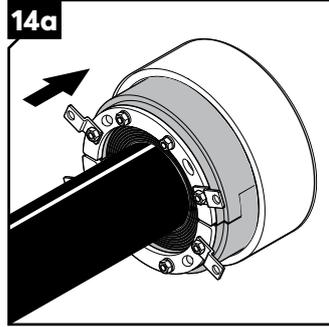
11 Lubricate the inside sealing surfaces with Roxtec Lubricant.



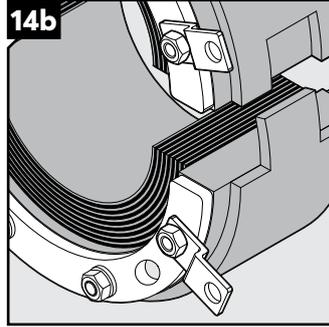
12 Lubricate the seal sparsely on the outside with Roxtec Lubricant if needed.



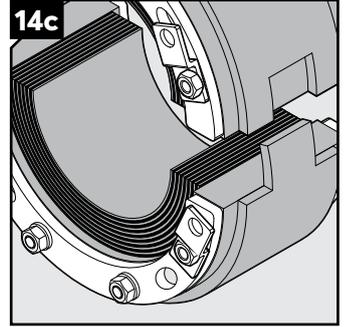
13 Lubricate sharp corners thoroughly.



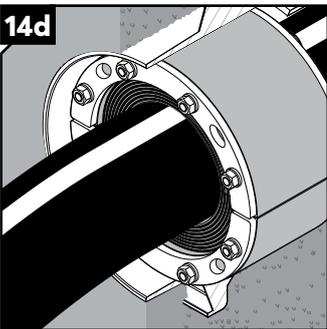
14a Insert the halves into the sleeve.



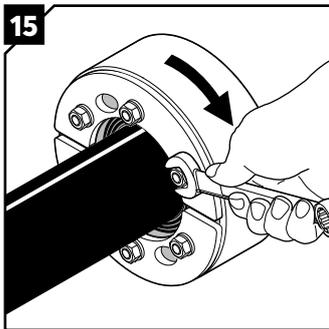
14b When the tabs are folded out, the seal is non-insertable.



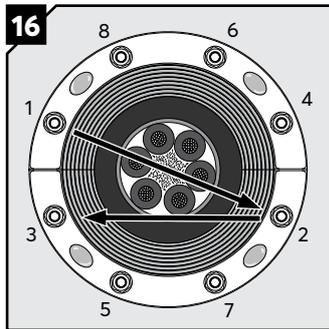
14c When the tabs are folded in, the seal is insertable.



14d An insertable seal can be pushed further into the sleeve/hole.



15 Firmly tighten the nuts crosswise in small steps.

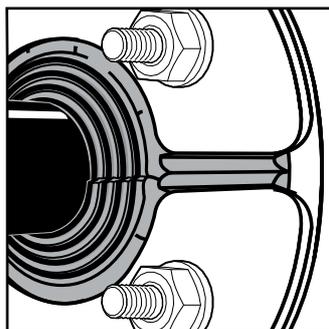


16 Example of tightening order.

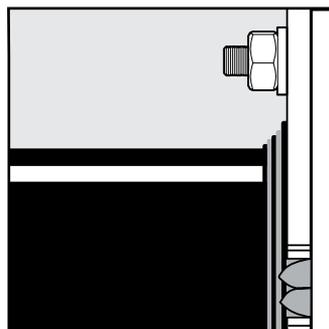
Check compression



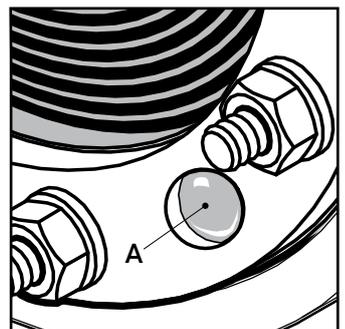
Excess lubricant shall be visible after compression.



The rubber shall expand between through the fittings.

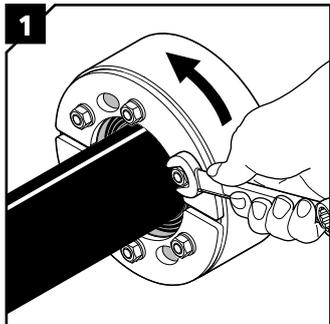


Rubber layers shall bulge outwards, if any.

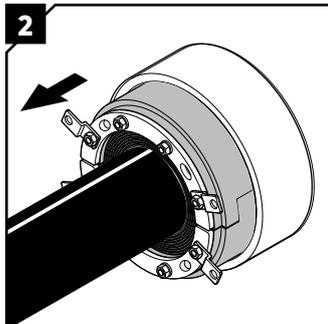


The inner rubber part shall create a visible bulge (A) in each hole.

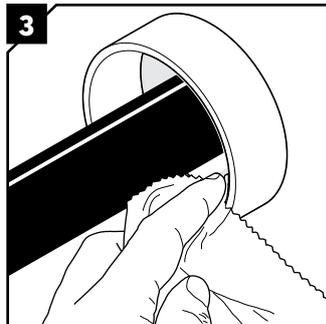
Disassembly and reinstallation



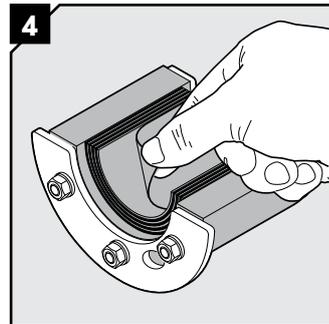
Release the compression by loosening the screws alternately.



Remove the RS UG seal.



Clean the sleeve.



Continue the reinstallation from step 8.

Note

- An RS seal with center core can be used as spare capacity.
- Wait 24 hours after installation before exposing the cables/pipes to strain or pressure.
- Temperature range +4°C to +40°C.
- 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.
- Do not peel off the last rubber layer of each module half.
- 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.

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.

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