Roxtec

Installation Instructions

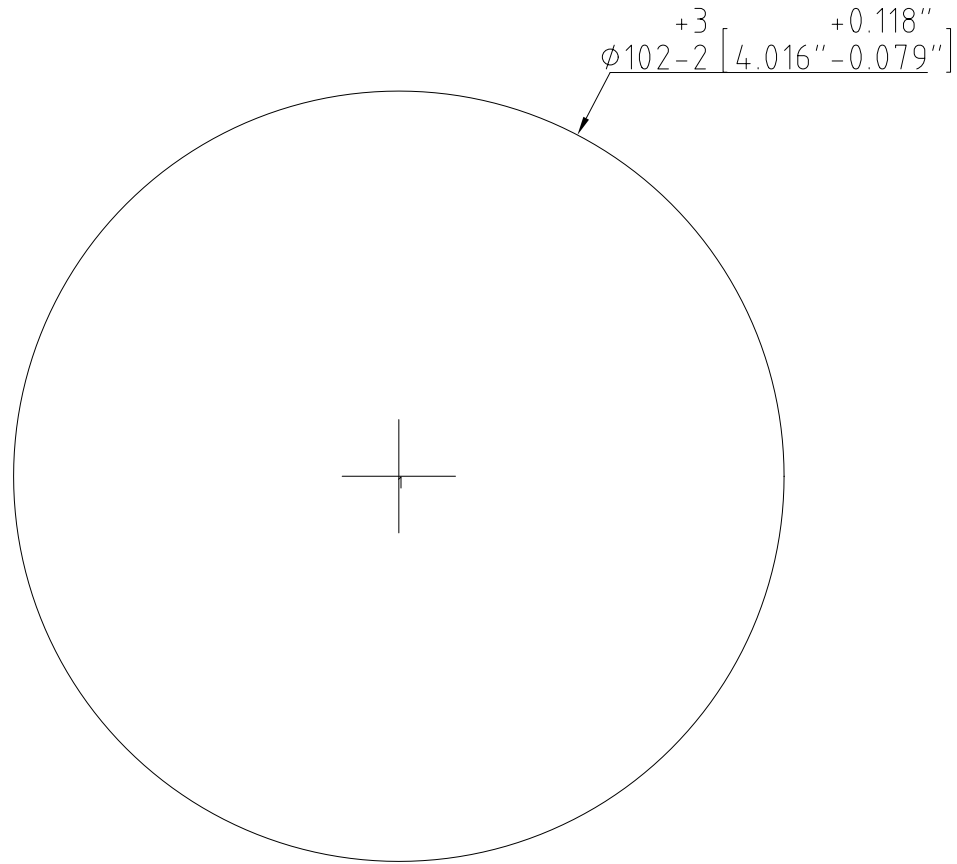**Project:**

Location:

Transit: RS 100 UG

Solution: RS 100 UG

Print date: 2020-08-26

$$\phi 102 {-2 \atop +3} \left[4.016''{-0.079'' \atop +0.118''} \right]$$

Cutout Detail

Frame: RS 100 UG   Solution: 1

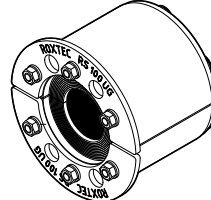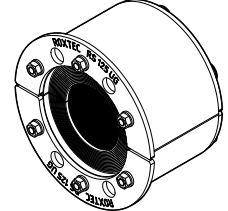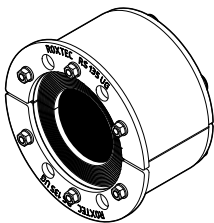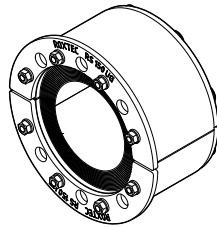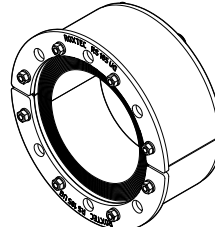| Item	Qty	Roxtec Packing Material			mm ["]	Roxtec Art No		Weight	Kg [lb]
Responsible			Created Date	Modify Date		Project		TotWeight	
yube			2020-08-26	2020-08-26		台灣大哥大		1.1	
						Location/ Sublocation		[2.43]	
			Format			Transit name		Sheet No	
				NTS		RS 100 UG		1/1	
			Client			Drawing number		Rev	

Roxtec
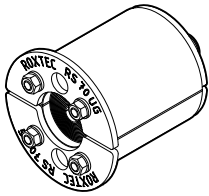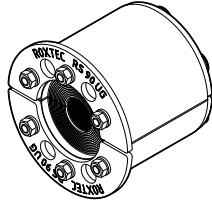
RS 70 UG

RS 90 UG

RS 100 UG

RS 125 UG

RS 135 UG

RS 150 UG
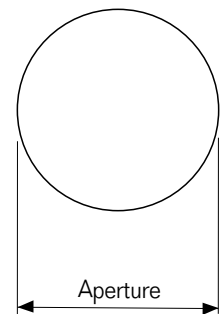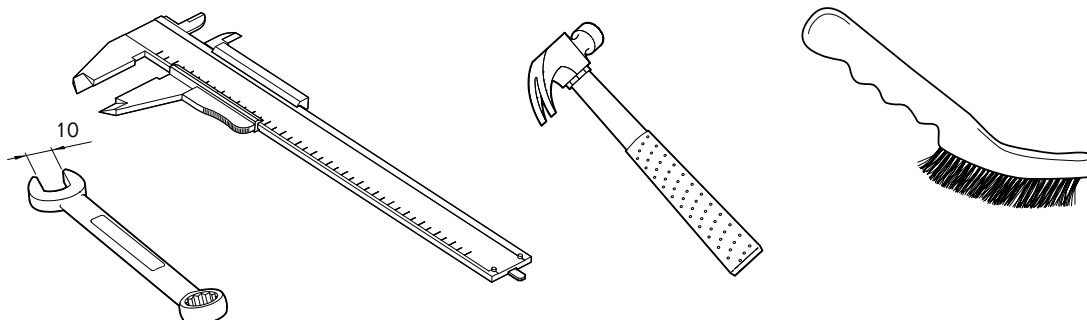
RS 185 UG

Aperture dimensions
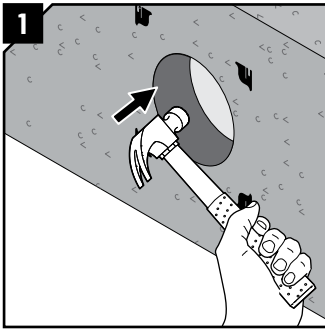
Seal:	Aperture Ø (mm)	Clearance depth (mm)	Cable/pipe range Ø (mm)
RS 70 UG	70-75	83	0+9-33
RS 90 UG	90-95	83	0+24-53
RS 100 UG	100-105	83	0+39-63
RS 125 UG	125-130	83	0+55-88
RS 135 UG	135-140	83	0+65-98
RS 150 UG	150-155	83	80-113
RS 185 UG	185-190	83	115-148

Aperture

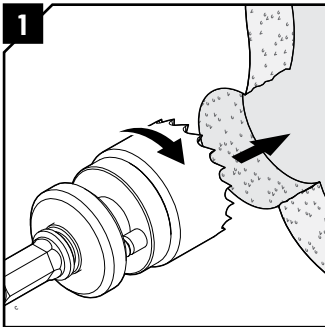## Optional tools

10

Installation in a Roxtec knock-out sleeve

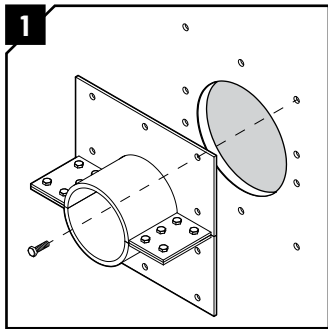Remove the knock-out of the sleeve before inserting the seal.
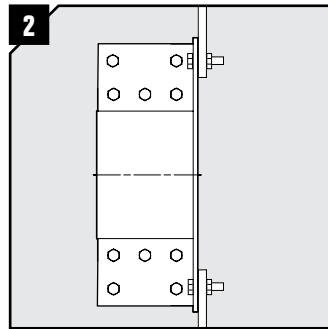
Installation in a core-drilled hole

Use a hole saw with the appropriate diameter.

Installation in a bolted sleeve

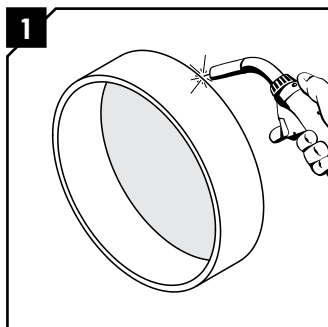For retrofit purposes an openable sleeve can be used.

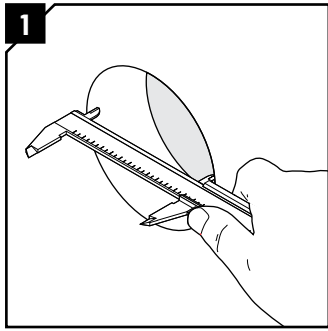Use the flange as template for the drilling of the bolt holes.

Attach the frame to the structure using suitable sealing method and suitable stainless fasteners.
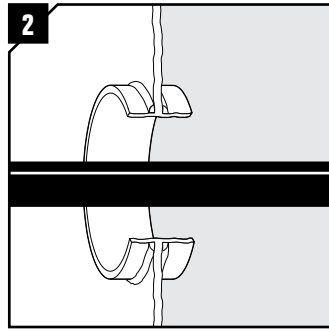
Installation in a welded sleeve

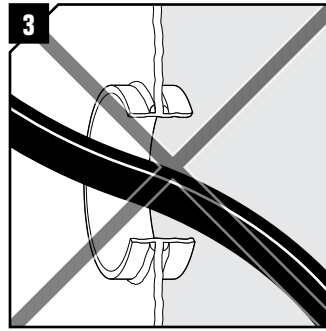Weld the Roxtec sleeve to the cabinet/wall. Welding guidelines are available at www.roxtec.com.
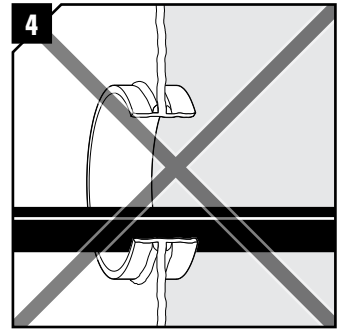
Installation

1

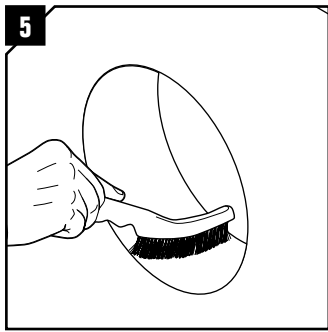Measure the aperture according to the table on the first page.

2

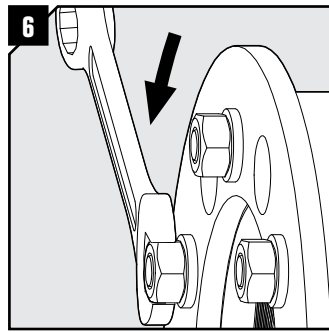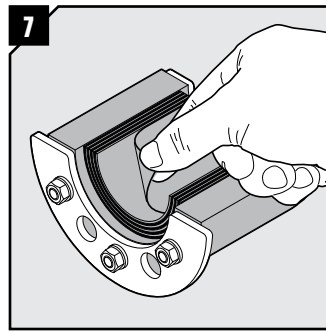The cable/pipe shall go straight and centered through the sleeve.

3

Not acceptable.
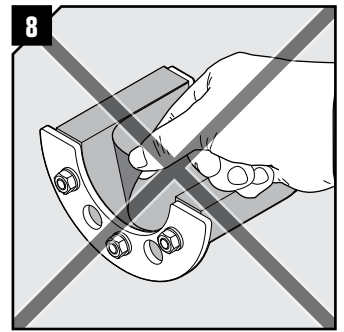
4

Not acceptable.
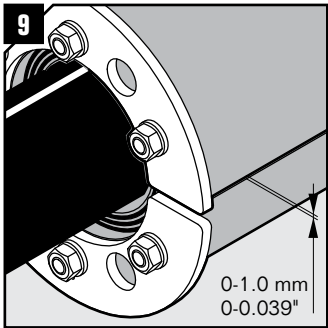
5

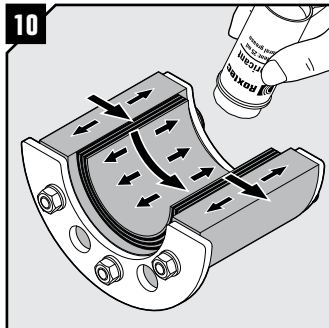Remove any dirt from the sleeve/hole.

6

Loosen all the nuts.

7

Adapt the RS UG seal by peeling of layers until you reach the gap seen in step 9. The number of layers may not differ by more than one between the halves.
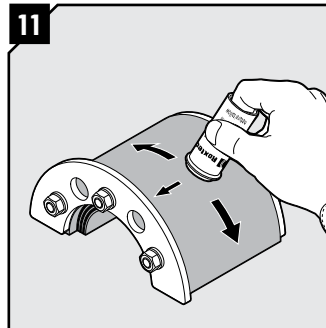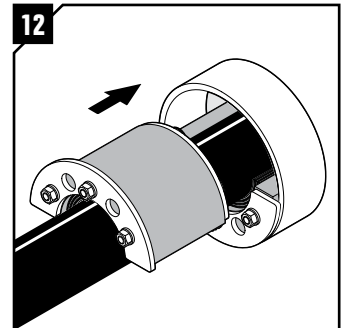
8

Do **not** remove the last layer.

9

0-1.0 mm
0-0.039"

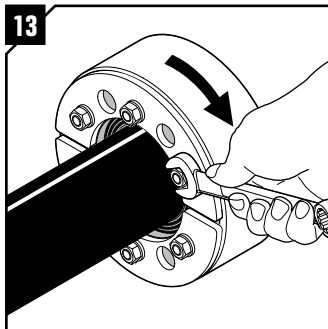Achieve a 0-1.0 mm gap between the two halves when held against the cable/pipe.

10

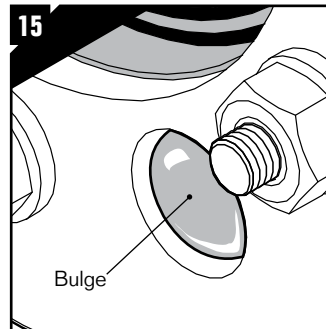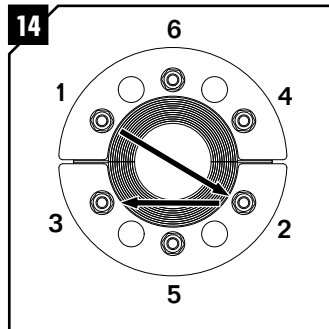Lubricate the inside sealing surfaces with Roxtec Lubricant.

11

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

12

Insert the halves into the sleeve.

13
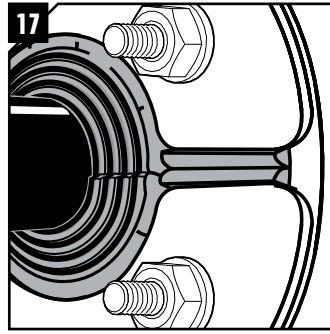
Tighten the nuts crosswise in small steps to firm compression.

14

6

1

4

3

2

5

15

Bulge

The inner rubber part shall create a visible bulge in each hole.
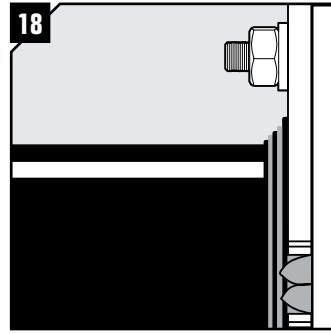
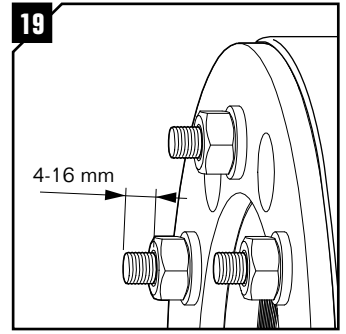## Check compression

| 16 | 17 | 18 | 19 |

4-16 mm

Excess lubricant shall be visible after compression.

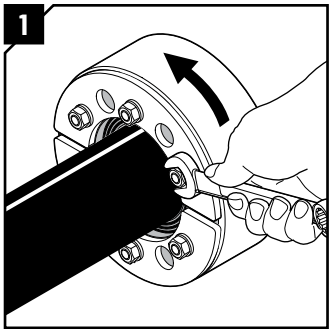The rubber shall expand through the fittings.
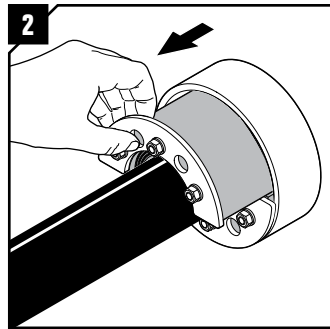
Rubber layers shall bulge outwards, if any.

Make sure there is visible thread after compression. The length of visible thread depends on aperture diameter and cable/pipe size.
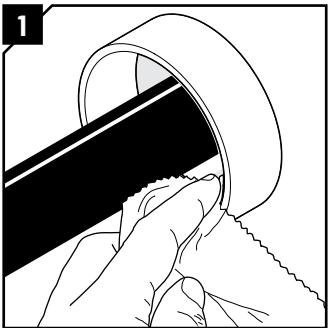
Disassembly

| 1 | 2 |

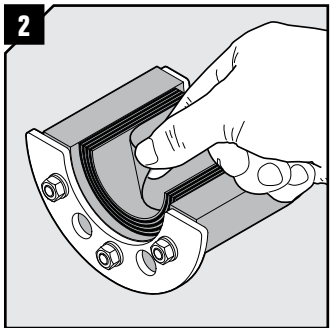Release the compression by loosening the screws alternately.

Remove the RS UG seal.

Reinstallation

| 1 | 2 |

Clean the sleeve.

Continue the re-installation from step 7.

Note

■ 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.