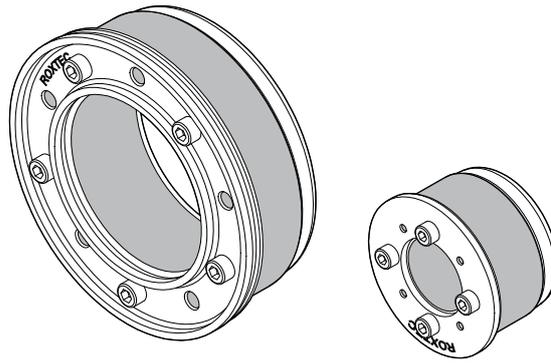


## Safety information

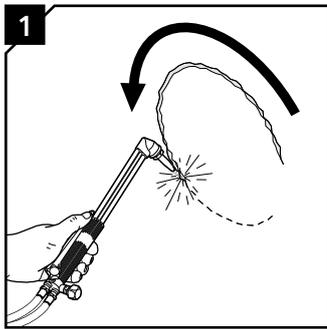
Roxtec recommends that all installations are performed without facility operation. Follow national regulations and installation codes. Any action affecting the routed service should be performed according to the manufacturer recommendations.



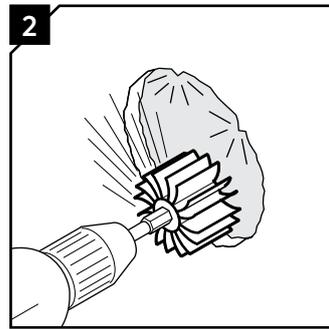
## Installation instructions Roxtec SPM™ seal



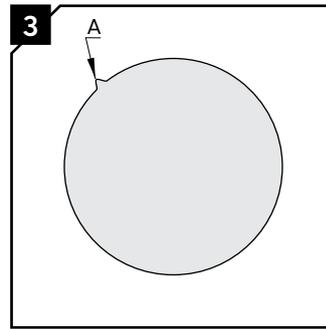
## Aperture



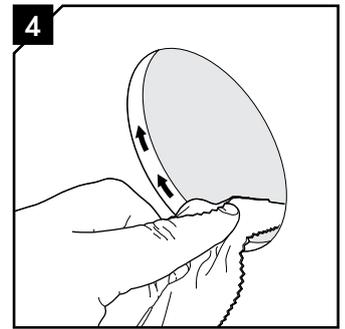
Make an aperture according to the table.



Remove all sharp edges to avoid damage to the rubber of the seal.



Irregularities (A) are acceptable only within the aperture tolerance.



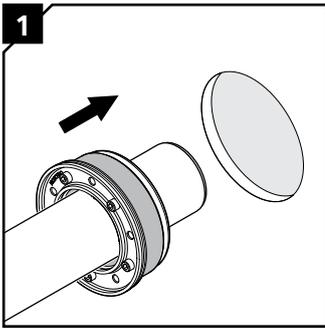
Make sure the aperture is free from dirt and dust.

## Aperture dimension and pipe range

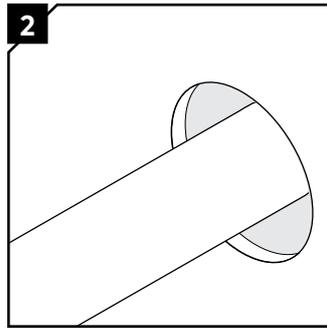
Thickness of the structure must be between 5 mm and 15 mm.

SPM seal	Pipe diameter range (mm)	Minimum aperture diameter (mm)	Maximum aperture diameter (mm)	Recommended tightening torque (Nm)
39	8-12	39	43	2
41	12-16	41	45	2
48	16-20	48	52	2
54	19-23	53.5	57.5	2
59	24-28	58.5	62.5	3
62	27-31	61.5	65.5	3
69	32-36	68.5	72.5	3
77	37-42	77	81	3
81	41.4-45.4	81	85	3
87	47-51	87	91	3
92	52-56	92	96	3
103	56.2-61.1	103	107	7
119	72.2-76.9	119	123	7
138	88-92	138	142	7
149	99-103	149	153	7
157	107-111	157	161	7
168	113-117	168	172	10
178	123-127	178	182	10
188	131-135	188	192	10
196	138.5-143	196	200	10
217	157-162	217	221	10
226	167-171	226	230	10
279	218-222	279	283	10

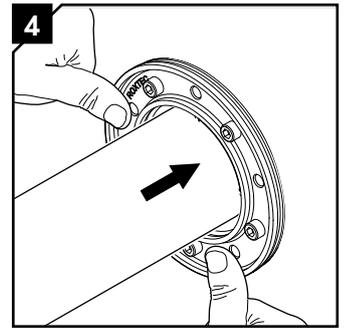
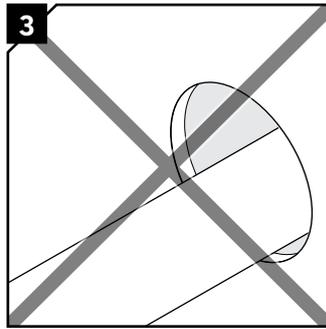
## Installation



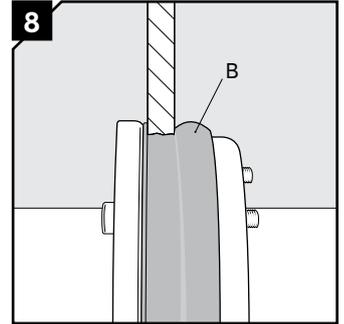
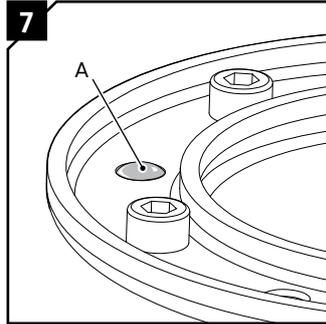
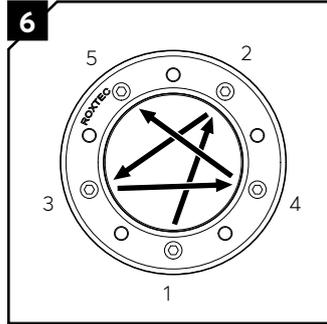
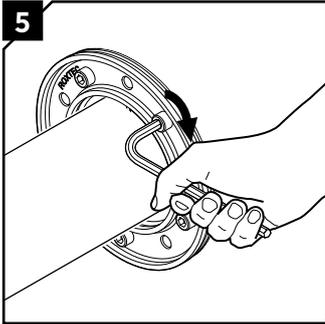
Insert the pipe and seal in the aperture.



Support the pipe so it is centrally positioned in the aperture. Do not apply radial or axial forces on the SPM seal.

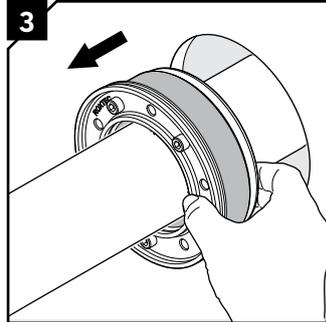
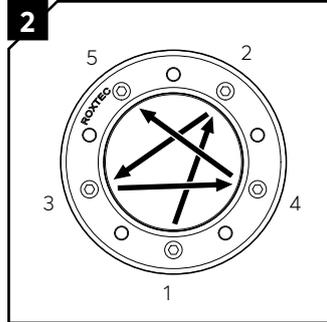
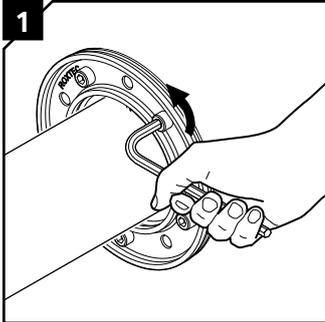


Make sure the seal is properly fitted against the inside of the opening.



Tighten the bolts crosswise in small steps. Full compression is achieved when the rubber indicator (A) is flush or slightly raised from the steel casing and the rubber is bulged (B) on the back side.

## Disassembly



Untighten the bolts crosswise in quarter turn increments.

Remove the seal from the opening.

## Note

- Approvals or certificates may include amendments or limitations related to this application.
- The latest versions of related documents are found at [roxtec.com](http://roxtec.com).

## Disclaimer

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