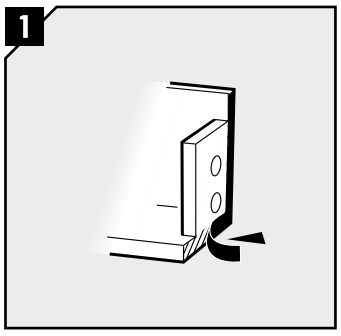
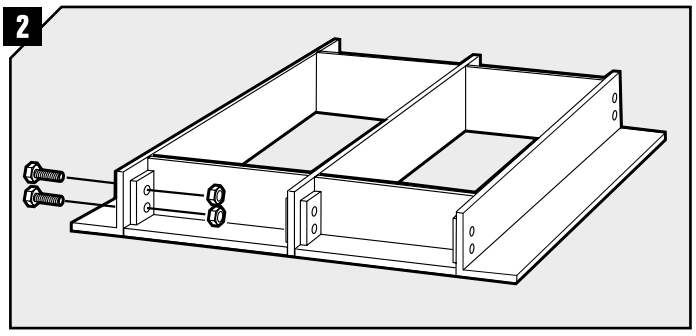
Roxtec

Installation Instructions
Roxtec B frame

Frame Assembly

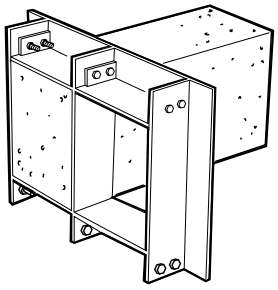


Remove the protective foil from the sealing strip on every short side.

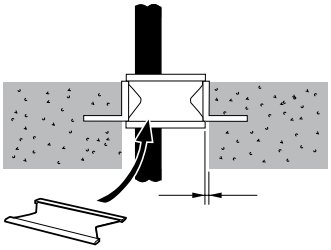


Assemble the frame by inserting the bolts and tighten the nuts. The frame can easily be assembled around already routed cables or pipes.

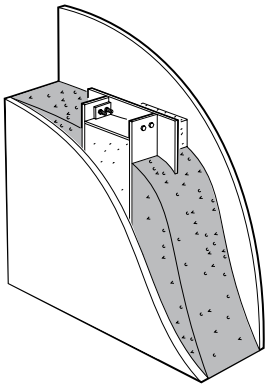
Installation, Casting



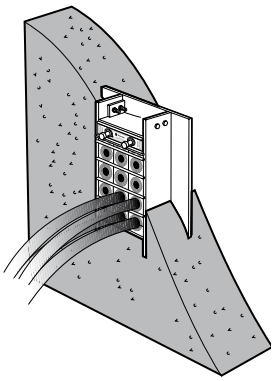
For correct casting of frames into concrete walls, casting moulds in cellular plastic are available.



To be able to make a correct installation the size of the opening in the wall must be 5 mm (0.197") wider than the inside dimensions of the frame on all sides. The reason for this is the fact that the stayplates need this space to be able to move inside the frame during installation and compression.

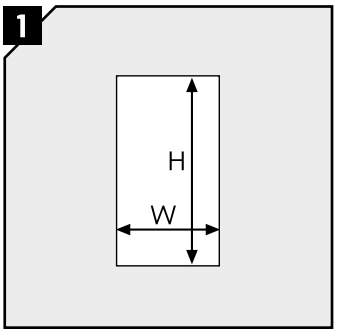


Before concrete is poured, the frame and casting mould is fixed in position with the frame flange inside the wall.

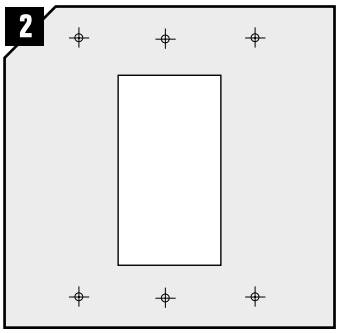


The B frame cast and sealed in concrete wall.

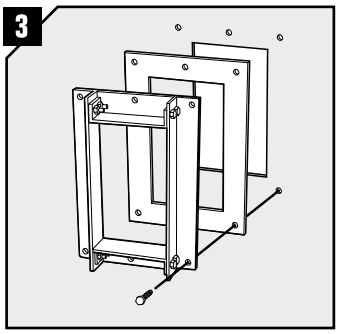
Installation, Bolting



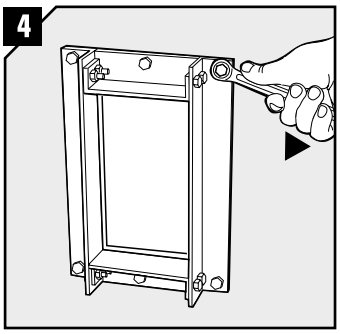
Mark a rectangular opening according to frame type (see table below).



Use the frame as template for the drilling of the screw holes.
Hole in flange Ø = 9 mm (0.354").



Attach the frame to the cabinet/ wall using bolts and nuts. An optional rubber gasket can be placed between frame and cabinet/wall.



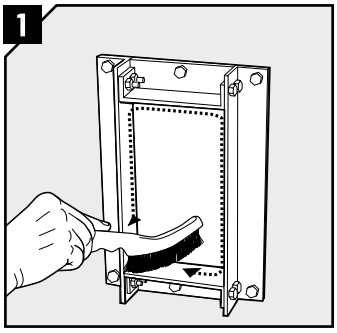
Tighten the screws.

B frame, aperture dimensions for bolted installations

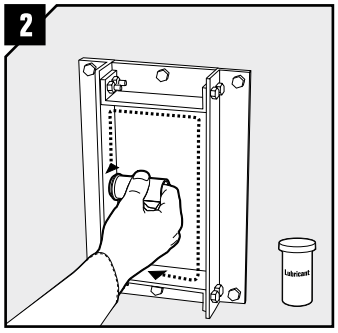
Frame	Height tolerance ± 5 mm, ±0.197" 1 opening in width (mm)	(in)	Width tolerance ± 5 mm, ±0.197" x1	x2	x3 (mm)/(in)	x4	x5
B 2	116	4,567					
B 4	175	6,890	141	270	398	527	655
B 6	233	9,173	5,551	10,630	15,669	20,748	25,787
B 8	293	11,535					

Theoretically recommended dimensions

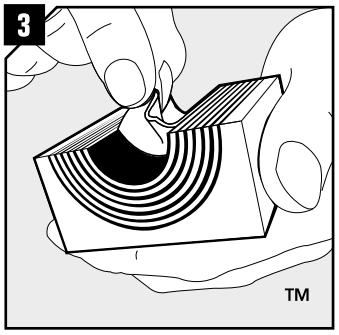
Modules installation



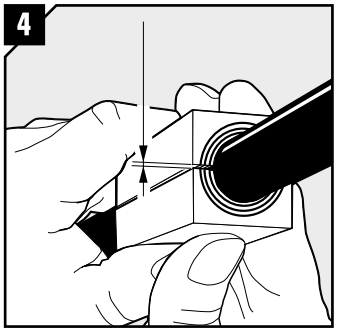
Remove any dirt inside the frame.



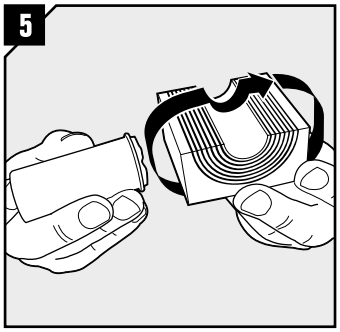
Lubricate the inside surfaces of the frame with Roxtec Lubricant, especially into the corners.



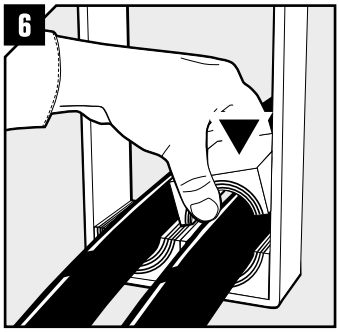
Adapt modules which are to hold cables or pipes by peeling layers until you reach the gap seen in pic. 3.



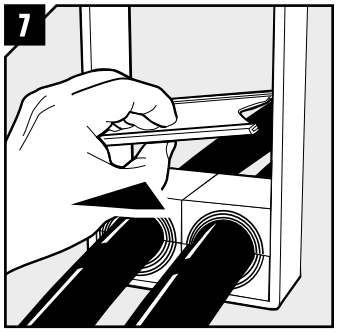
Achieve a 0.1-1.0 mm gap between the two halves when held against the cable/pipe.



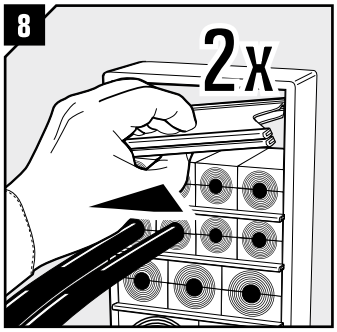
Lubricate all modules for the frame thoroughly, both the inside and the outside surfaces.



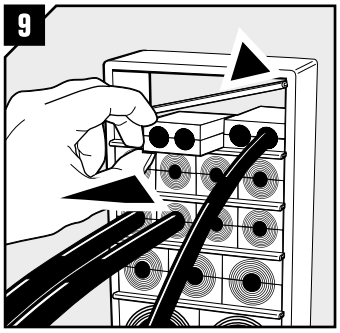
Insert the modules according to your installation plan (transit plan). Usually start with the largest modules.



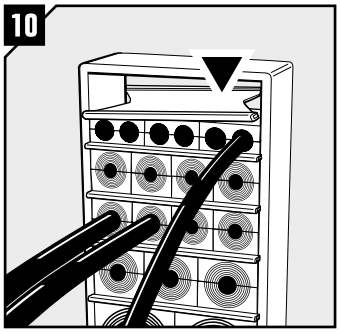
Insert a stayplate on top of the finished row of modules.



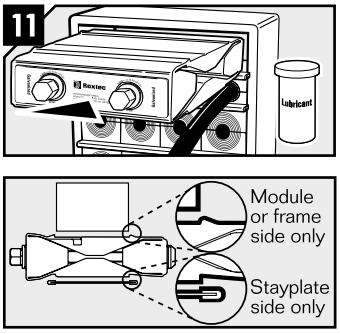
Before inserting the final row of modules, insert two stayplates.



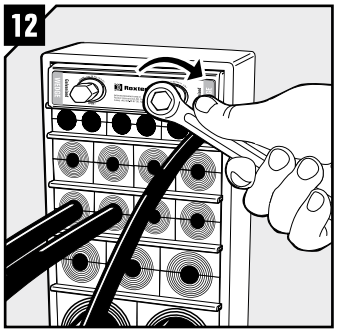
Separate the two stayplates and insert the final row of modules between the stayplates.



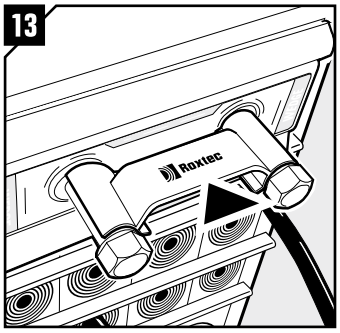
Drop the upper stayplate on top of the modules.



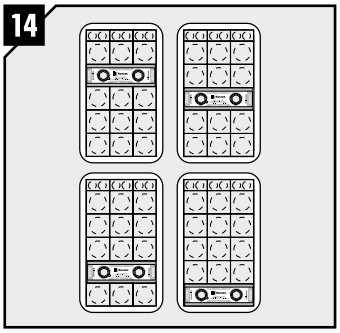
Lubricate all sides of the wedge sparsely, except front and back. Please read the markings on the wedge and turn it correctly before inserting it in the top of the frame (standard position). Face with "Stayplate this side" must always face a stayplate.



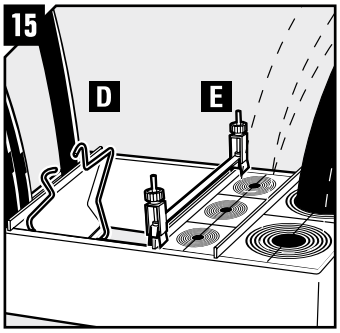
Tighten the screws until full stop, approx. 20 Nm (15 ft.lb.).



Attach the Wedge Clip to the wedge bolts to check that the wedge has been properly tightened.



Optional wedge positions (anywhere within the frame).



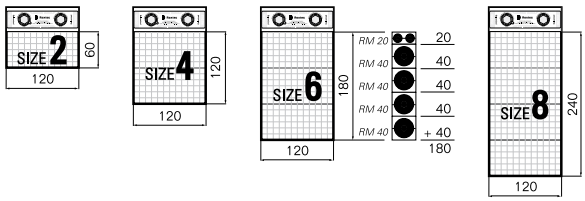
Stayplate Clips (D) and Stayplate Clamps (E) can be used to simplify horizontal assembly.

Disassembly

Reverse order

Packing space

Frame sizes 2 , 4, 6 and 8 accommodate the following height of modules: 60 mm, 120 mm, 180 mm and 240 mm. As example shows for frame size 6 the 180 mm can be the result of 4 rows of RM 40 plus one row of RM 20.



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 components.
- To simplify installation in combination frames, fill all openings before tightening the wedge.
- Cables shall go straight through the frame.

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