THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
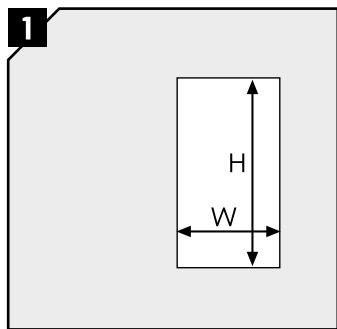+44 (0) 191 410 4292
www.powerandcables.com

Installation Instructions
Roxtec GHM frame

>)) **Roxtec**

GHM frame, aperture dimensions for bolted installations

Frame	Height tolerance ± 5 mm, ±0.197"	
	(mm)	(in)
GHM 2	128	5.039
GHM 2+2	241	9.488
GHM 2+2+2	350	13.780
GHM 4	187	7.362
GHM 4+4	358	14.094
GHM 4+4+4	530	20.866
GHM 6	245	9.646
GHM 6+6	475	18.701
GHM 6+6+6	705	27.756
GHM 8	305	12.008
GHM 8+8	595	23.425
GHM 8+8+8	885	34.843

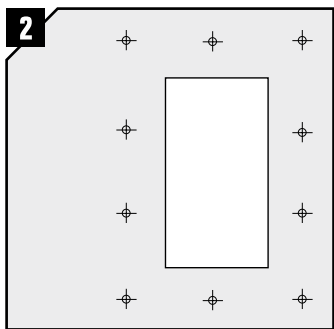| Width tolerance ± 5 mm, ±0.197"									
x1	x2	x3	x4	x5	x6	x7	x8	x9	x10
				(mm)/(in)					
148	278	409	539	670	800	931	1061	1192	1322
5.827	10.945	16.102	21.220	26.378	31.496	36.654	41.772	46.929	52.047
148	278	409	539	670	800	931	1061	1192	1322
5.827	10.945	16.102	21.220	26.378	31.496	36.654	41.772	46.929	52.047
148	278	409	539	670	800	931	1061	1192	1322
5.827	10.945	16.102	21.220	26.378	31.496	36.654	41.772	46.929	52.047
148	278	409	539	670	800	931	1061	1192	1322
5.827	10.945	16.102	21.220	26.378	31.496	36.654	41.772	46.929	52.047

Theoretically recommended dimensions

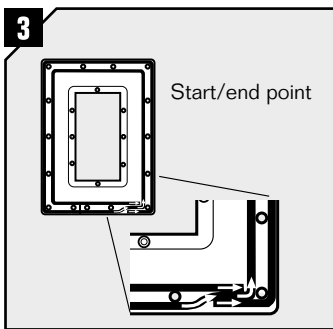## GHM frame installation, Bolting

1

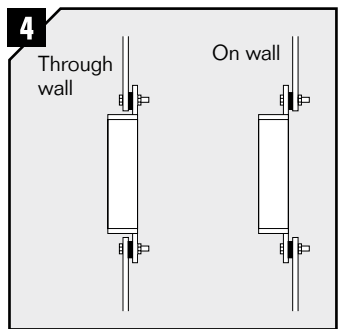Mark a rectangular opening according to size (see above table).

2

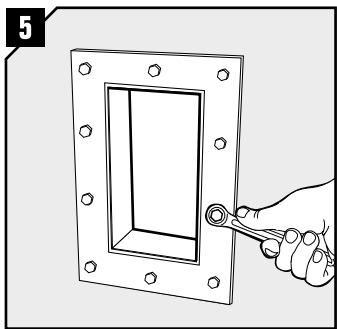Use the frame as template for the drilling of the screw holes. Hole in flange Ø = 9 mm, (0.354").

3

Start/end point

Attach the frame to the wall using bolts and nuts. The TSL 15x6 sealing strip shall be placed between frame and wall.

4

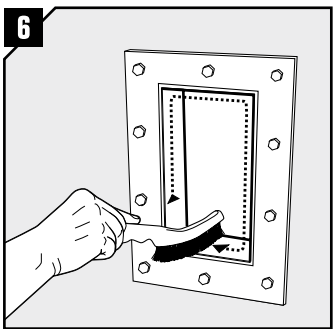Through wall   On wall

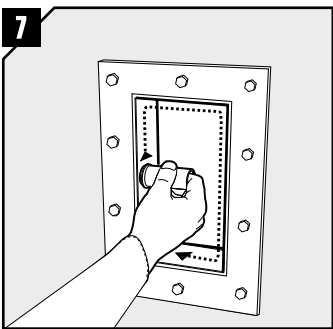Alternative frame installation.

5

Tighten the screws.

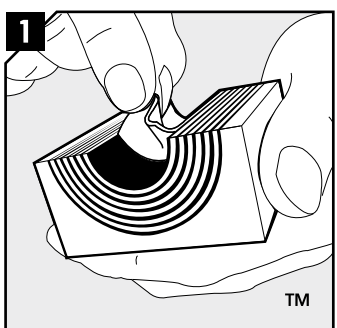**6**

Remove any dirt inside the frame.

7

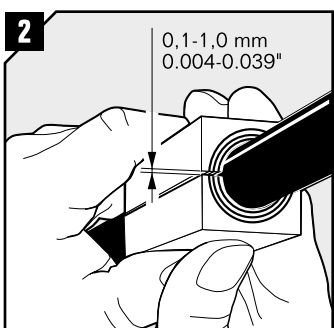Lubricate the inside surfaces of the frame with Roxtec Lubricant, especially into the corners.
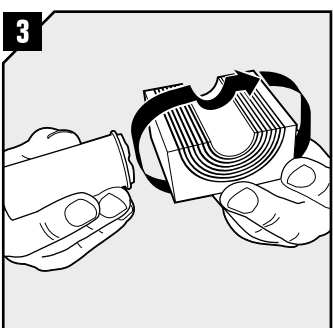
Modules installation

1

Adapt modules which are to hold cables or pipes by peeling layers until you reach the gap seen in pic. 2.
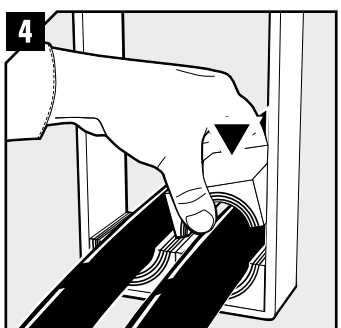
2

0,1-1,0 mm
0.004-0.039"

Achieve a 0.1-1.0 mm gap between the two halves when held against the cable/pipe.
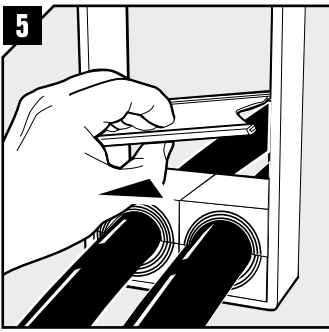
3

Lubricate all modules for the frame thoroughly, both the inside and the outside surfaces.
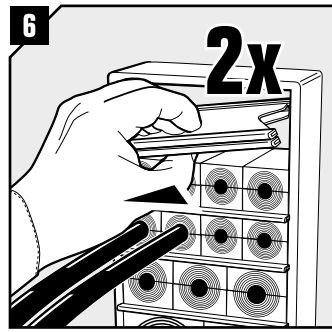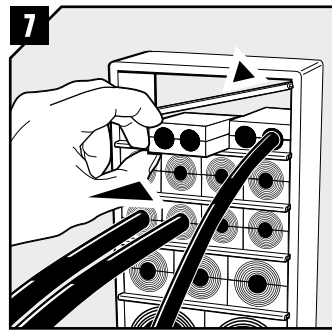
4

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

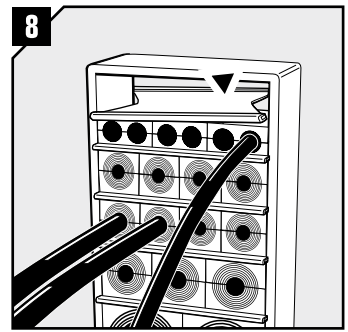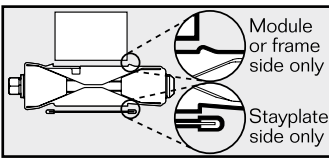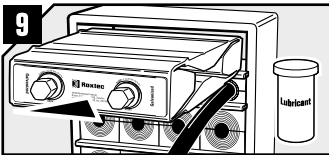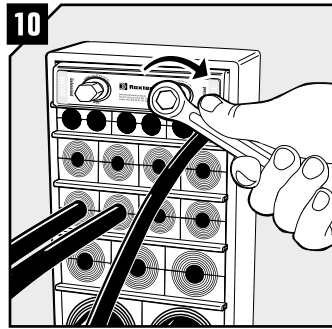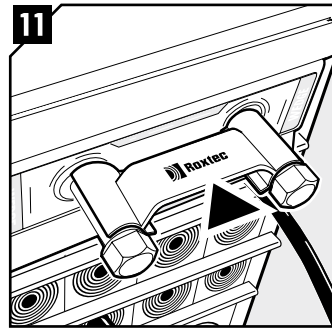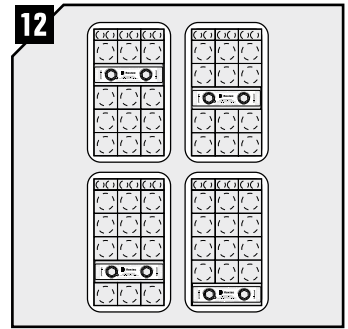| **5**	**6** 2x	**7**	**8**
Insert a stayplate on top of every finished row of modules.	Before inserting the final row of modules, insert two stayplates.	Separate the two stayplates and insert the final row of modules between the stayplates.	Drop the upper stayplate on top of the modules.

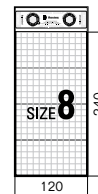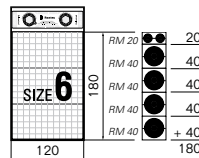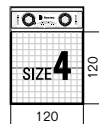| **9**	**10**	**11**	**12**
Module or frame side only / Stayplate side only			
Lubricate all sides of the wedge sparsely, except front and back. Please read the markings on the wedge and turn it correctly before inserting it in the top of the frame (standard position). Face with "Stayplate this side" 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).

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.

SIZE **2** — 60 / 120

SIZE **4** — 120 / 120

SIZE **6** — 180 / 120
RM 20 — 20
RM 40 — 40
RM 40 — 40
RM 40 — 40
RM 40 — + 40 / 180

SIZE **8** — 240 / 120

Note

- For optimum reliability, wait 24 hours or longer after installation before exposing the cables/pipes to strain or pressure.
- Wedge is 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.

THORNE & DERRICK
T&D INTERNATIONAL
Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com