

# Installation Instructions

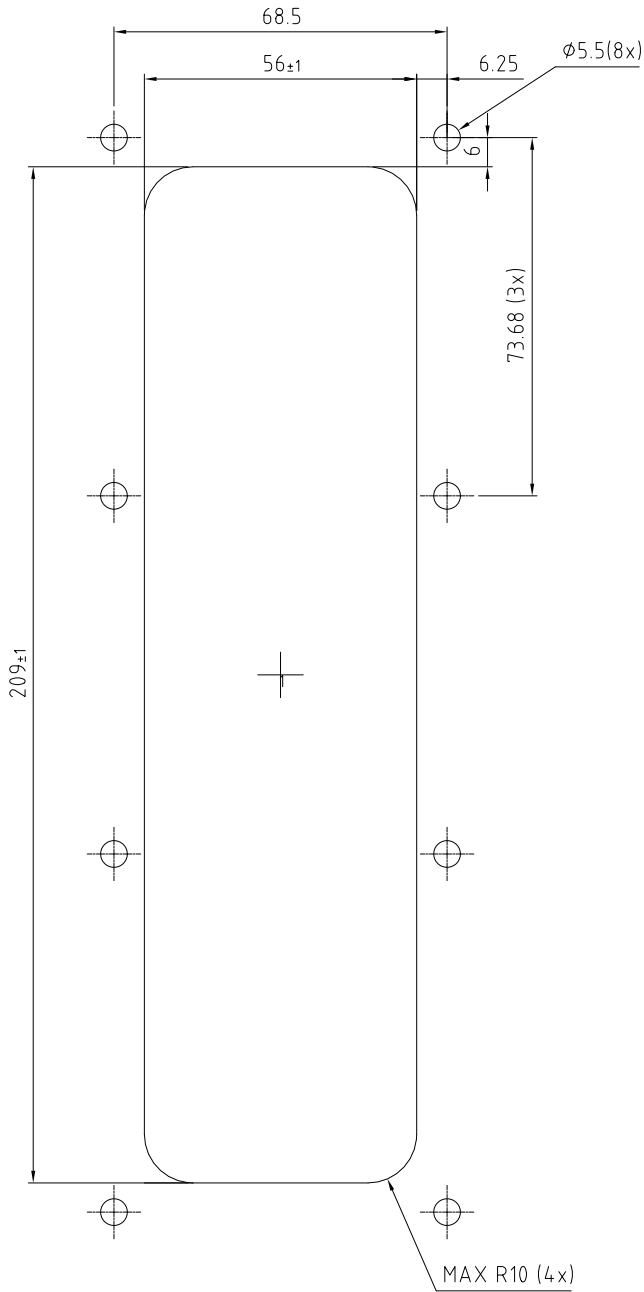
**Project:**

**Location:**

**Transit:** comseal 16


**Solution:** COMSEAL 16 FRAME ASSEMBLY

**Print date:** 2020-08-28



Cutout Detail

Frame: COMSEAL 16 FRAME ASSEMBLY    Solution: 1

Item	Qty	Roxtec Packing Material		mm [ ]	Roxtec Art No	Weight	Kg [lb]
Assemblies		Created Date		Modify Date	Picked	TotWeight	
yube		2020-08-28		2020-08-28	台灣大哥大	0.9	
		Format			Location/ Sublocation	[1.87]	
			NTS		Transit name	Sheet No	
					comseal 16	1/1	
Client				Drawing number		Rev	



## Installation instructions

Roxtec ComSeal™ 10

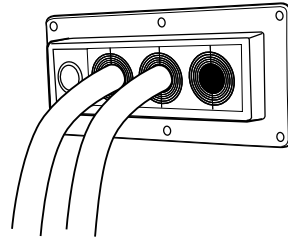
Roxtec ComSeal™ 12

Roxtec ComSeal™ 15

Roxtec ComSeal™ 16

Roxtec ComSeal™ 30

Roxtec ComSeal™ 32



## Aperture dimensions

### ComSeal™ 10

	(mm)	(in)
H	149±1	5.866±0.039
W	56±1	2.205±0.039
a	68.5±0.5	2.697±0.020
b	80.5±0.5	3.170±0.020
c	6.25±1	0.246±0.039
d	6±1	0.236±0.039

### ComSeal™ 12

	(mm)	(in)
H	169±1	6.654±0.039
W	56±1	2.205±0.039
a	62±0.5	2.441±0.020
b	193±0.5	7.598±0.020
c	3±1	0.118±0.039
d	12±1	0.472±0.039

### ComSeal™ 15

	(mm)	(in)
H	195±1	7.677±0.039
W	61±1	2.402±0.039
a	78.5±0.5	3.091±0.020
b	105.5±0.5	4.154±0.020
c	9±1	0.354±0.039
d	8±1	0.315±0.039

### ComSeal™ 16

	(mm)	(in)
H	209±1	8.228±0.039
W	56±1	2.204±0.039
a	68.5±0.5	2.697±0.020
b	73.7±0.5	2.901±0.020
c	6.25±1	0.246±0.039
d	6±1	0.236±0.039

### ComSeal™ 30

	(mm)	(in)
H	195±1	7.677±0.039
W	120±1	4.724±0.039
a	71.5±0.5	2.815±0.020
b	109.5±1	4.311±0.039
c	11±1	0.433±0.039
d	12±1	0.472±0.039

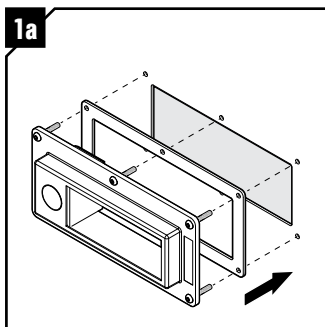
### ComSeal™ 32

	(mm)	(in)
H	209±1	8.228±0.039
W	103±1	4.055±0.039
a	61.5±0.5	2.421±0.020
b	76.3±1	3.005±0.039
c	10±1	0.394±0.039
d	10±1	0.394±0.039

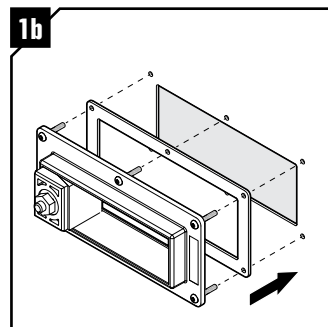
Cut a rectangular opening for the frame, according to the tables above. For Roxtec ComSeal™ 12 cut a rectangular opening according to FL 21 or the table above.

Use a counter flange with Roxtec ComSeal™ 12 (article no. 2CV0001020219) if the wall structure is thinner than 2 mm.

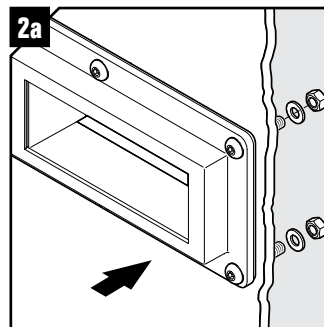
## Installation



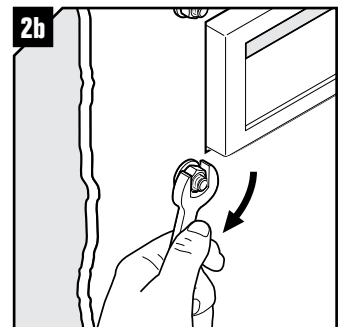
Insert the frame in the opening with gasket side towards the wall/structure. Use the screws for keeping the gasket in place.



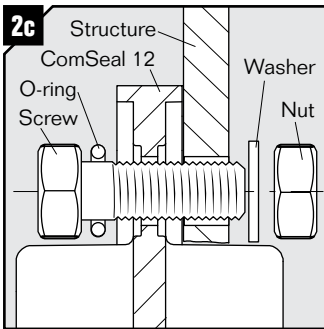
Alternatively, insert it with the other side of the flange and gasket facing the wall/structure.



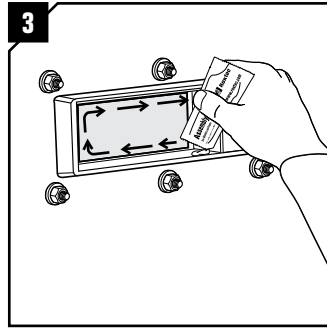
Attach the frame firmly, using the enclosed screws, washers and nuts.



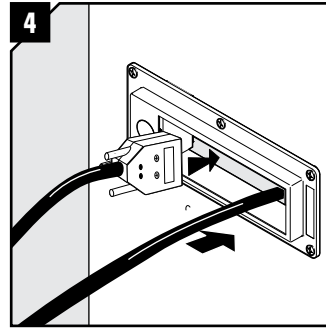
Tighten the nuts firmly, crosswise and in small steps.



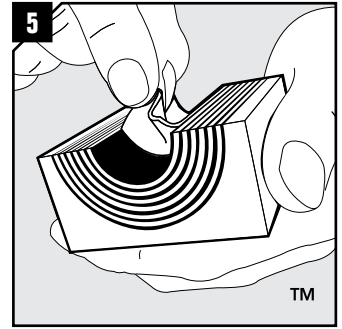
For ComSeal 12, attach the frame firmly, using the enclosed screws, nuts, o-rings and washers. Make sure that the o-ring is mounted under the bolt head.



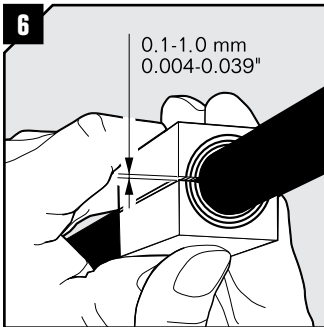
Lubricate the inside surfaces of the frame with Roxtec Assembly Gel, especially in the corners.



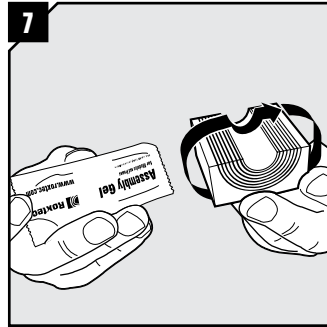
Insert the cables through the frame.



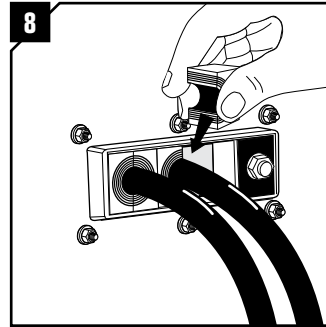
Adapt the modules, which are to hold cables or pipes. Peel off layers until you achieve the gap seen in step 6. The halves may not differ by more than one layer.



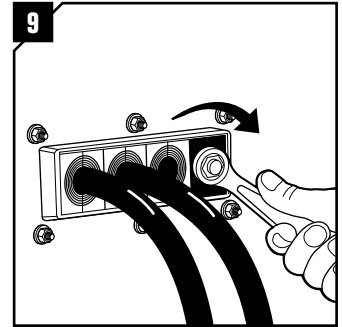
Achieve a 0.1-1.0 mm gap between the two module halves when held against the cable/pipe.



Lubricate all modules thoroughly, both on the inside and the outside surfaces, before installation.



Insert the modules from the back of the frame opening and according to the installation plan (Packing plan). If possible, start with the largest modules.



Tighten the compression unit firmly to seal the frame. Maximum 10 Nm (7.38 ft. lb). A good indication is when the assembly gel is squeezed out between the modules.

## Disassembly

Reverse order.

## Note

- For optimum reliability, wait 24 hours or longer after installation before exposing the cables/pipes to strain or pressure.
- To be used together with CM modules.
- To simplify installation of Roxtec ComSeal™ 30 and 32, it is recommended to fill both openings before tightening the compression units.
- Cables shall go straight through the frame.

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(b) Installation shall be carried out in accordance with Roxtec installation instructions in effect from time to time.

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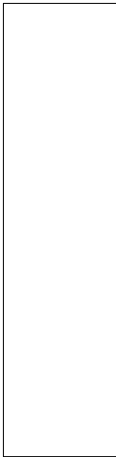
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





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Pos	Cable ID	Name	Cable Type	Cable Category	OD (mm) [T]	Module Type		
 MODULE WITH PIPE	 MODULE WITH CABLE	 SPARE MODULE	 SOLID MODULE	Responsible	Created Date	Modify Date	Project	Total Weight
				yube	2020-08-28	2020-08-28	台灣大哥大	0.9
				Format			Location/ Sublocation	[1.87]
					NTS		Transit name	1/1
				Client			comseal 16	Rev
							Drawing number	