

Tube & Link Security Grille

Applications
Medium security commercial sites where see-through vision is a priority.
The Roché Tube & Link Grille offers high visibility and can be used internally behind glass shop displays, or as a stand-alone security barrier.

Grille lattice
Brick-bond effect or standard arrangement. Aluminium 13mm diameter tubes cut to 111mm as standard, with anodised finish, enclosing an 8mm steel rod. Vertical lattice links are 86mm high, leaving 56mm high openings; smaller or larger apertures on request.
Note: Colour finishes available.

Tube length	111mm
Link Height	86mm
Weight per M²	10kg
Maximum Width	6000mm
Maximum Surface	20m² with single phase power or 3-phase power.

Enclosure
Grilles less than 12m²: roll-formed housing from 1.0mm aluminium; pressure moulded aluminium end caps; in white or brown as standard.
Grilles over 12m²: housing manufactured from 1.2mm galvanised steel sheet; end caps are fabricated from 5mm steel; standard galvanised finish; other colours available on request.

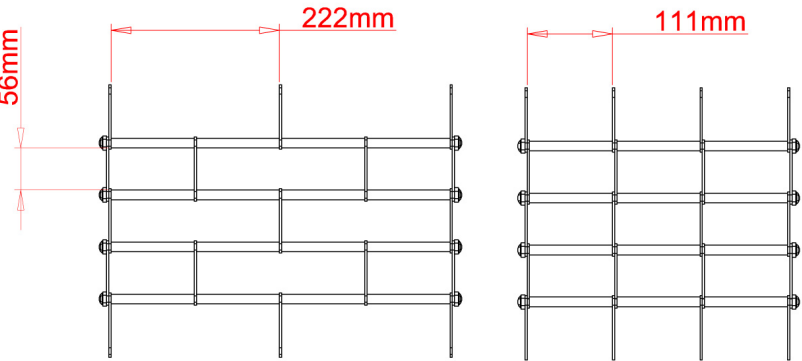
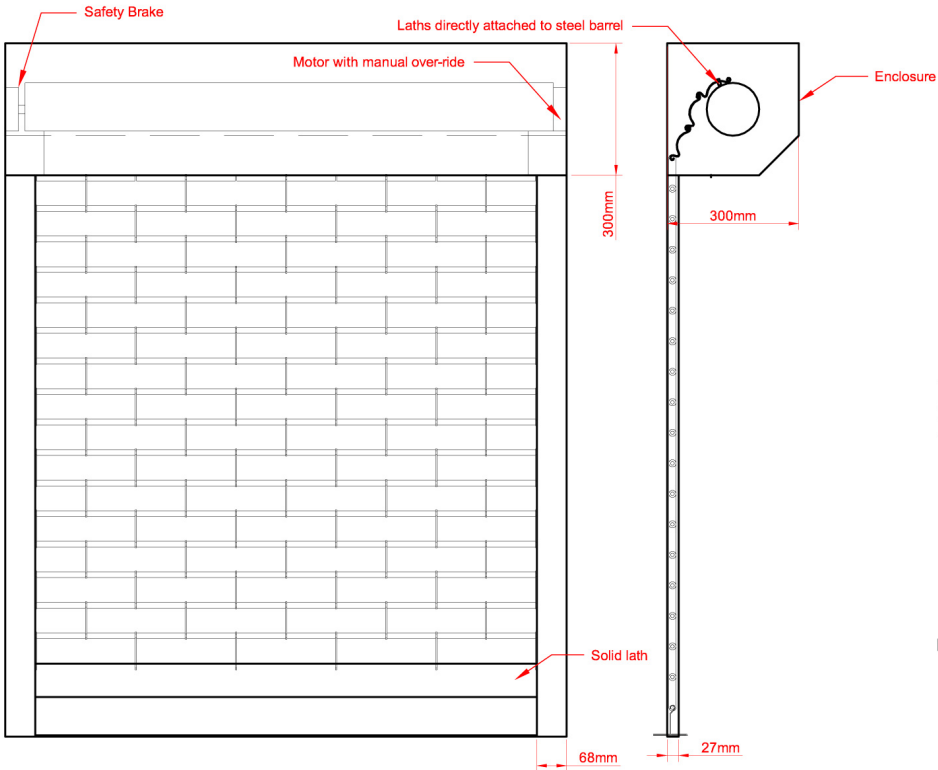
Shutter Height (mm)	Box Size (mm)
2500	300
4000	360
5000	400

3-phase motor enclosure sizes will vary dependent on the overall shutter size.
The above enclosure sizes are based on standard tube motor operation and 3-phase external direct drive motor.

Guide Channels / Bottom Slat
68mm mill, white or brown aluminium guide sections are standard for grilles under 12m². T-shape bottom bar from galvanised steel. While the standard guide channel is 68x27mm, the U-channel guide affixed to box sections or angles is advised for shutters in excess of 12m² (see drawing to the right).

Operation
Electric: Single phase tubular motor or 3-phase direct drive motor dependent on curtain weight, with push button control. Remote control operation is available, and includes Optical Safety Edge; a PEC beam may also be appropriate when using remote control operation.

Manual override facility as required. Safety brake included as standard, to meet requirements of BS EN 13241-1:2003.

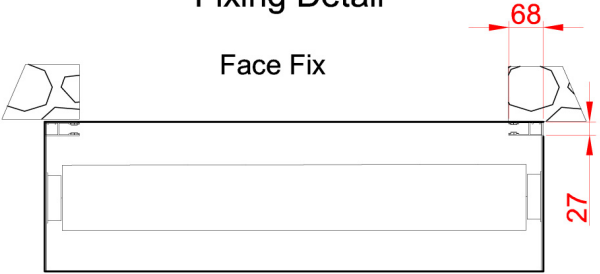


Brick-bond arrangement

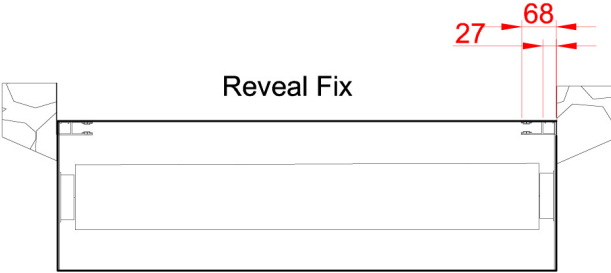
Standard arrangement

Fixing Detail

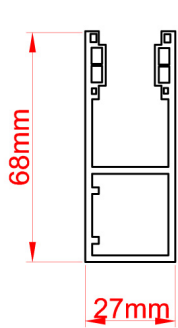
Face Fix



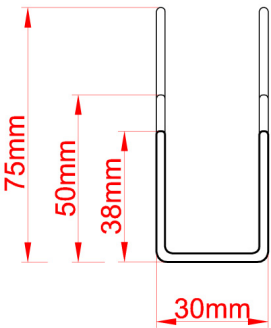
Reveal Fix



Diagrams show Single-Phase operation. Three-Phase drawing available on request.



68mm Aluminium Guides



38 / 50 / 75mm Aluminium U-Channel guide (affixed to box section or angle)