

2001 FS240 Fire-Rated Shutter

Applications

High security commercial sites, up to 50m², with 4-hour fire-rating to prevent the spread of fire through an opening. The Roché Fire Shutter, tested at Exova Warringtonfire under BS EN 1634-1:2008 test conditions, and assessed to BS EN 476-22:1987, is designed to contain fire within particular parts of a building. In the event of a fire alarm, the shutter automatically descends by operation of the motor.

Curtain Slat

Single Skin 76mm Curved Steel. Standard galvanised finish. Wall thickness 0.7mm, 0.9mm, or 1.2mm, depending on overall shutter opening width. Colour finishes available on request. Plastisol range, or polyester powder-coated to any RAL / BS colour.

Blind Surface	76mm
Profile Height	86.6mm
Weight per m ²	10kg
Maximum Width	12,000mm
Maximum Surface	25m ² with single phase power or 50m ² with 3-phase power.

Enclosure

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	305
4000	355
5500	400

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

Guide Channels / Bottom Slat

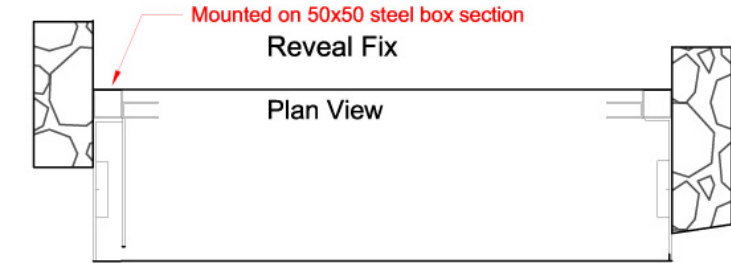
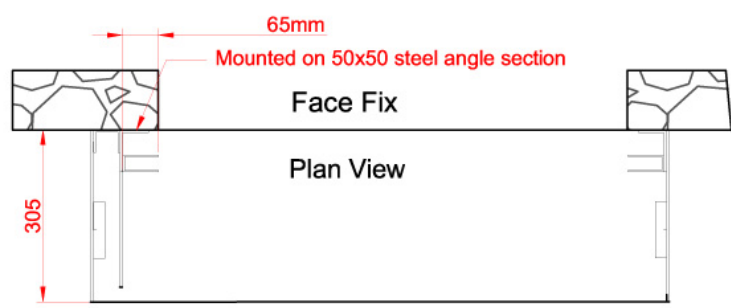
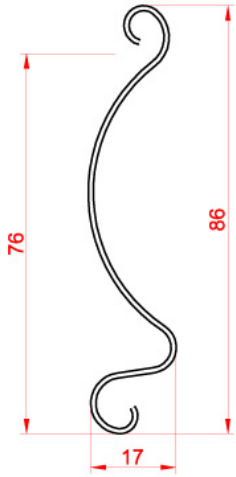
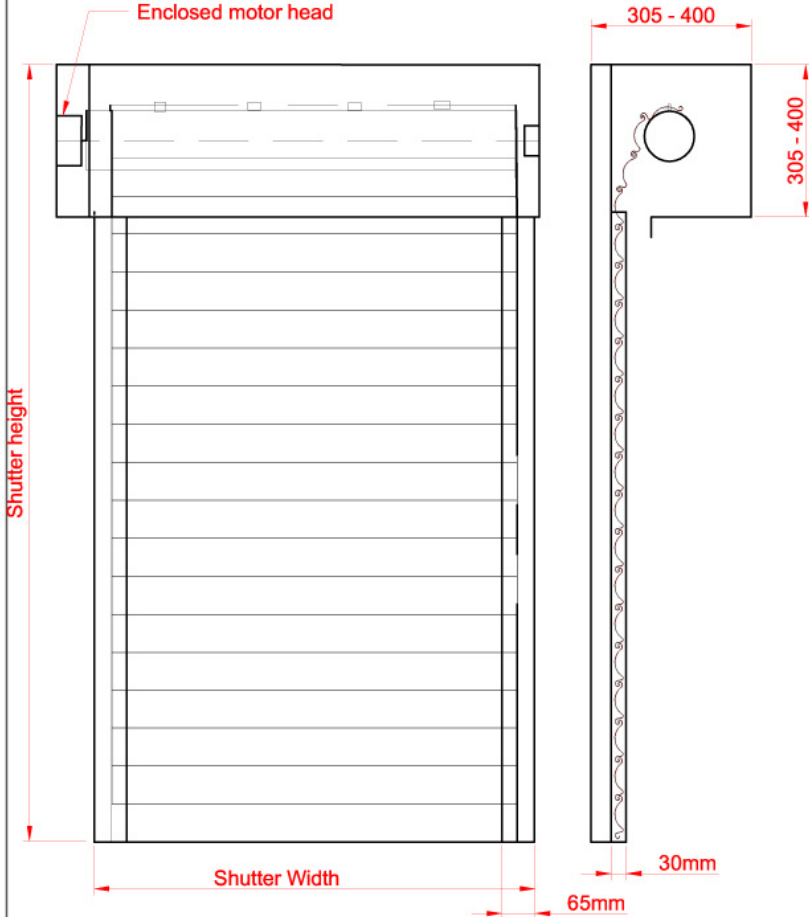
Galvanised steel sections with strengthened T-shape bottom bar. Guide channel depth will vary dependent on application from 50mm to 100mm. Standard galvanised finish. Other colours available on request.

Note. The guide channels are bolted to fixing angles or steel box sections dependent on the application. See drawings (right).

Operation

Electric: Single phase tubular motor or 3-phase outboard motor dependent on curtain weight, with push button control. The fire shutter is usually connected to a Fire Control Panel and integrated with the building alarm system, so that the shutter descends under control of the motor in the event of a fire. Upgrade to Audio-Visual interface panel is available, to ensure local awareness of shutter activation.

Manual override facility is not available with the FS240 for functional reasons. Battery backup facility will ensure at least one operation of the door if electricity supply fails. CE compliant to all relevant European directives and regulations.



Diagrams show Single-Phase operation. Manual Operation and Three-Phase drawings available on request.

