Electric Roller Shutter

Electric roller shutters perfect for industrial and commercial applications, manufactured and installed in accordance with BS EN 13241-1:2003 + A2:2016 & BS EN 12604:2017.

Roller curtain
The shutter curtain is constructed from cold rolled galvanised steel laths (76 mm), of suitable gauge to suit the application. Each lath is retained by nylon, pressed steel or malleable iron end locks secured by steel rivets. Cast iron wind locks are fitted to help prevent curtain being forced out of guides during high winds, as and when required.

Bottom rail
A rigid inverted T section bottom rail, formed from either a cold rolled galvanised section, or mild steel angles, bolted back to back, depending on the width of the shutter. Specially designed tapered bottom rails can be supplied to suit sloping floors at additional cost.

Side guides and angles
A purpose cold rolled mild steel section of depths ranging from 65 mm to 100 mm dependent upon the application. Wind lock guide section to be used as and when required. Galvanised steel angles of suitable size and thickness are supplied to support the side guides and to form a secure fixing to the structure.

Roller barrel
Constructed from mild steel tube of suitable outside diameter and wall thickness to suit shutter application. Barrels are fitted in conjunction with an appropriate safety device, i.e. Safedrive motor unit.

Endplates
Of suitable design, and ranging from 3 mm to 10 mm thickness. Fitted with suitable cleats for fixing to the structure.

Operation
A variety of electric motors are used, depending upon the application. 415 volt 3 phase motors are normally used. 240 volt single phase motors can be used in certain applications but are normally more expensive. A push button station is provided with "UP", "DOWN" and "STOP" buttons. Our estimate/ quotation should provide the relevant details concerning the electric specification intended to be used for each particular installation, together with the electrical requirements that need to be provided by the customer.

Finish
Side guides, supporting angles and door curtain are galvanised. Non-galvanised sections are primer painted. Powder coated finish is optional and can be provided at extra cost.

Coil casings (hoods) / fascias / motor covers
Coil casings, fascias and motor covers can be supplied at additional cost and are supplied galvanised unless specified otherwise.

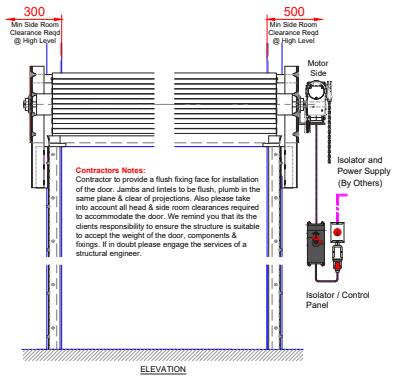
Perforated lath sections
Perforated laths can be supplied at additional cost and are supplied galvanised unless specified otherwise.

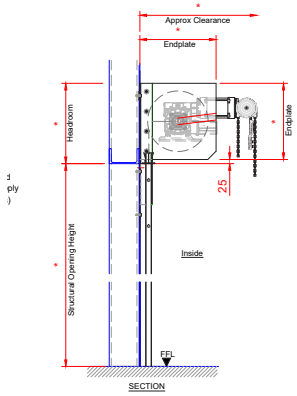
Technical data

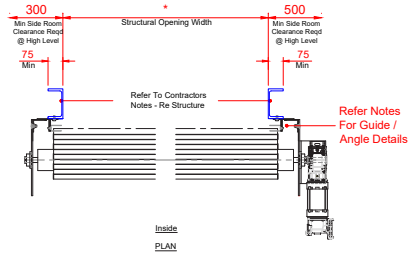
Standard size up to (W x H)[1)]	8000 x 8000 mm
Lath profile	76 mm concave
Power options	240V single / 415V three phase direct drive
Pass-door	For shutters up to 5 m wide
Weight	35 kg/m^2
Finish	- Galvanised - PPC to RAL / BS colour - Plastisol to external face
Wind load, EN 12424	Up to Class 5

1) other sizes available on request

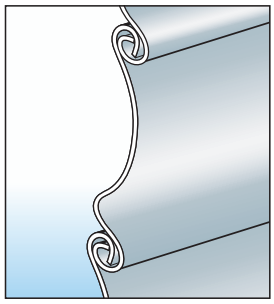
General arrangement drawing



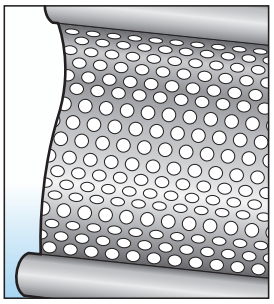




Lath options



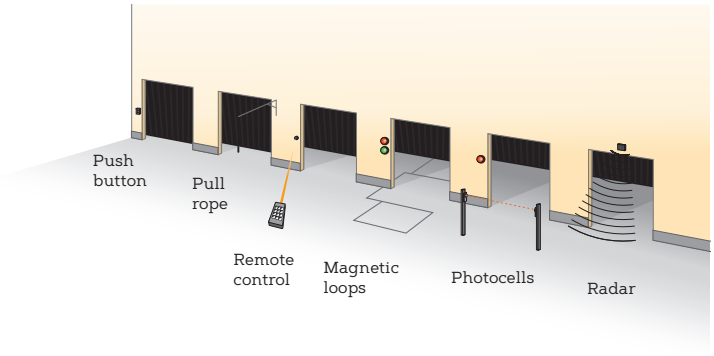
Solid Lath



Perforated

Automation options

Standard Control Panel



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