

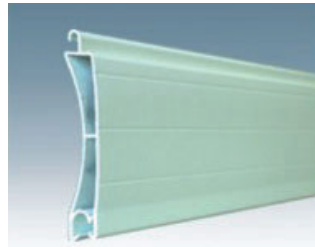


Extruded aluminum slats with ribs for anti deflection slide inside heavy duty extruded rails with reinforcing ribs that limit deflection.

ALUMINUM DOUBLE SKIN SHUTTERS

The Lightweight Champion

Aluminum shutters are a lightweight alternative to traditional steel shutters that provides enhanced corrosion protection against the elements. Aluminum shutters are preferred in applications near the sea coast where salt where humidity could reduce the lifespan of steel shutters. Being light weight and heavy duty these shutters last a lifetime.



Double skin extruded Aluminium high impact strength Slats with anti-deflection rib profile.



4mm thick heavy duty guide designed for wind resistance with Felt strips to keep out dust and for silent operation.



Bottom Astragal - Efficient sealing

- British
- Well Engineered
- **Safe**
- Heavy Duty
- Sleek
- Strong
- **Fast - 170mm/sec**
- Smooth
- Silent
- **Wind resistant**
- International Standard
- Powerful Motor
- **Continuous rating - 10 repeats**
- Wide range control panel
- Remote operation
- Home Automation Savvy
- Great sealing
- **World Class Service Support**
- 24 hour reachability
- ISO 9001
- UK/Singapore/Malaysia/UAE
- Distributed to over 20 countries

SPECIFICATION

Curtain Slat

Extruded double skin Aluminum slats of pitch 77mm of 18mm nominal thickness with 1mm thick walls and with anti-deflection rib. Aluminium extrusion heat treated to T5 imparts great impact strength to the sections. The smooth and rounded profile facilitates friction free sliding of the slats inside the guides which are also lined with felt seals.

Bottom Slat

Extruded Aluminum Bottom slat of pitch 77mm of 18.9mm nominal thickness with 1mm thick walls and with anti-deflection rib. The bottom portion of the bottom slat has a dove tailed profile to receive the special EPDM bottom weather seal.

Guide rails

The guide rails are 4mm thick heavy-duty extruded profiles of 110mm overall depth and 40mm width with a rear box section for strength. The guides profiles have internal grooves to receive the poly seals which keep away dust and ensure silent operation.

Heavy Duty Shutter Hood

The heavy duty shutter hood is made as laths of extruded aluminium of nominal thickness of 8mm and height 92mm. The profiles have a male end and a female end to be able to slip one lath into the other and make the external hood a super rigid cover with absolutely no sag or waviness that we normally see with steel hoods. The hood sits on the periphery of the end plates.

Tubular Motor

A single phase, 230V, 50Hz, with a rated current of less than 3A, fully enclosed motor with a built in gearbox which is suitably selected based on the span and load of the shutter. Manual operation is provided using a hand crank mechanism.

Control Panel

A suitable wireless receiver with provision to connect all the accessories including safety photo cell, external push button, additional safety photocell, flashing lights, RFID and AMR parking assist. The control panel can be accessed by dedicated home automation apps and controlled from mobile phones

Main Support Bracket

The main support bracket plates are the elements that are subject to the main loading and hence are designed accordingly depending on the size of the shutter. Cast Iron bearing blocks are fabricated on to the end plates to receive and support the shaft of the Barrel or main roller.

Barrel or Main Roller The barrels or main rollers are made of ERW pipe sections of diameters and thicknesses depending on the height and span of the shutter. The barrel is selected to have a maximum deflection of 0.8mm per meter length when subjected to the UDL of the slat curtain. Garage doors are usually powered by tubular motors. Thus one side of the barrel bears a welded shaft assembly while the other is prepared to receive the tubular motor.

Finish

Polyester powder coated.
Other special coating such as PVDF are also offered at extra.

Additional Features / Optional Devices

Safety edge

Bottom seal cum safety edge which is activated when the door meets an obstacle in descent. The door stops and reverses.

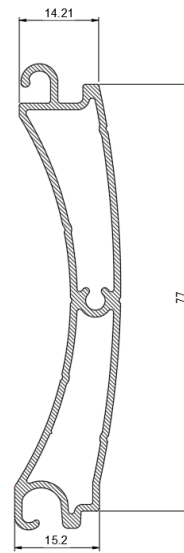
Timers for opening and closing the shutters. Timers are an integral part of the automation.

Warning Light

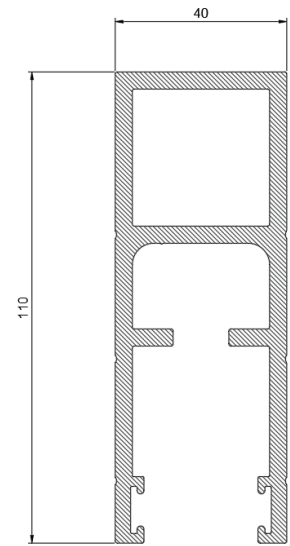
The activating kit for warning lights serves as a visual indicator while the door is moving up and down.

Photo cell

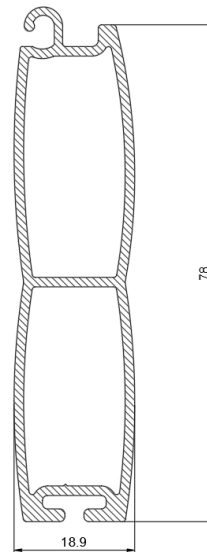
Photo Cells installed at a height of 300mm from the floor. The light beam which is always "on". When the beam is broken the descending door stops and reverses. The safety photo cell is interlocked with motor. When faulty the shutter cannot be operated.



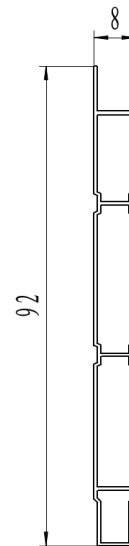
Shutter Slat



Side Guide



Bottom slat profile



Hood cover

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DUBAI

Plot 247-125
Al Qusais, Industrial Area 4
P.O. Box 233962 Dubai UAE
Tel: +971 (04) 2586433
Fax: +971 (04) 2586533
enquiryUAE@fercoshutters.com

ABU DHABI

Plot 247-125 Shed 1 & 2
Al Qusais, Industrial Area 4
P.O. Box 233962 Dubai UAE
Tel: +971 (04) 2586433
Fax: +971 (04) 2586533
enquiryUAE@fercoshutters.com

LONDON

Unit 28
Atcham Business Park
Shrewsbury SY4 4UG
Tel: +44 (0) 8458 123 100
Fax: +44 (0) 8458 123 101
info@fercoseating.co.uk