



 **UK ROLLER SHUTTERS**
SUPPLIER & FITTER OF ROLLER SHUTTERS

**S-FLEX-S REGULAR SPEED
TYPHOON SHUTTER**

S-FLEX-S REGULAR SPEED TYPHOON SHUTTER

S-Flex-S



PRODUCT DESCRIPTION

Designed for external applications where insulation and security are necessary, this shutter provides an effective solution to openings in danger of being battered by very high winds, hurricanes or typhoons.

This product utilises a 6mm wire rope which runs through the roller shutter curtain and into wind locks either side of the shutter increasing the wind load significantly.

When tested by an independent body, this model withstood 2282Pa of energy applied directly to its curtain.

These shutters have been manufactured up to 15 meters in width and 10 meters in height.

IDEAL USES

- Warehouses
- Factories
- Very large openings
- Areas with high winds, hurricanes or typhoons

KEY FEATURES

- 6mm wire rope threaded through the curtain with 10mm threaded head screwed into windlocks every 1 metre on the door
- Independently tested and withstood over 2282Pa of energy applied directly to the curtain
- Offers 18dB sound reduction and insulation value of 1.4W/M2
- Can be made to very large dimensions
- Can be upgraded to High-speed operation

TECHNICAL SPECIFICATIONS

Curtain

Constructed from pre-galvanised material. Ecotech formula foam infill - CFC free/ODP zero with a low global warming overall 'U' value of 4.8 W/m2 K. Each panel section is 94mm deep with multi-ribbed face for rigidity.

Guides

Formed from pre-galvanised material having a minimum thickness of 2.5mm incorporating twin vertical brushes on both inner and outer face of the guide. Brush carrier is constructed from PVC of medium impact strength, finished black and incorporating twin siliconised polypropylene weather strips, these running the full height of the door guide. The guide form is designed to allow reduced working faces and tapered inner faces to provide automatic interlocking/retaining feature for performance of retention under wind load. Complete with continuous 100 x 65 galvanised fixing angle.

Endplates

The main support brackets for the barrel and motor unit are manufactured from mild steel plates of varying thickness and incorporate the necessary fixing positions for securing back to the opening structure.

Barrel

Manufactured from seamless mild steel tube to BS4760 Grade 50C. Size to suit door width and height. Maximum barrel deflection 1:400. Fitted with precision-machined BDMS axles to BS970 EN33.

Bottom Seal

The bottom panel of the shutter is terminated with a specially designed aluminium extruded section complete with interlocking (EPDM) rubber weather seal.

End Locks

The curtain, when assembled is held in position with purposely-designed injection moulded end fittings, manufactured from hardwearing nylon-6, which sits on the outside of the panels minimising scuffing and damage.

Finish

Comes galvanised with non-galvanised parts prime painted as standard. Customers can choose to have a powder coating of almost any colour as an additional extra.

Operation

DLA range of GfA motors with centrifugal governor to control the rate of descent when closing under gravity in an alarm condition. Has a range of output torques up to 147Nm sound reduction and insulation value Offers 18dB sound reduction (S 5821 part 3:1984) and insulation value of 1.4W/M2

OPTIONS AND VARIATIONS

Operation/Controls

Electric

Key switch
Radio/remote Control
Rocker switch
Timer closing
Loop and Radar operation
Swipe Card activation

Manual

Not available

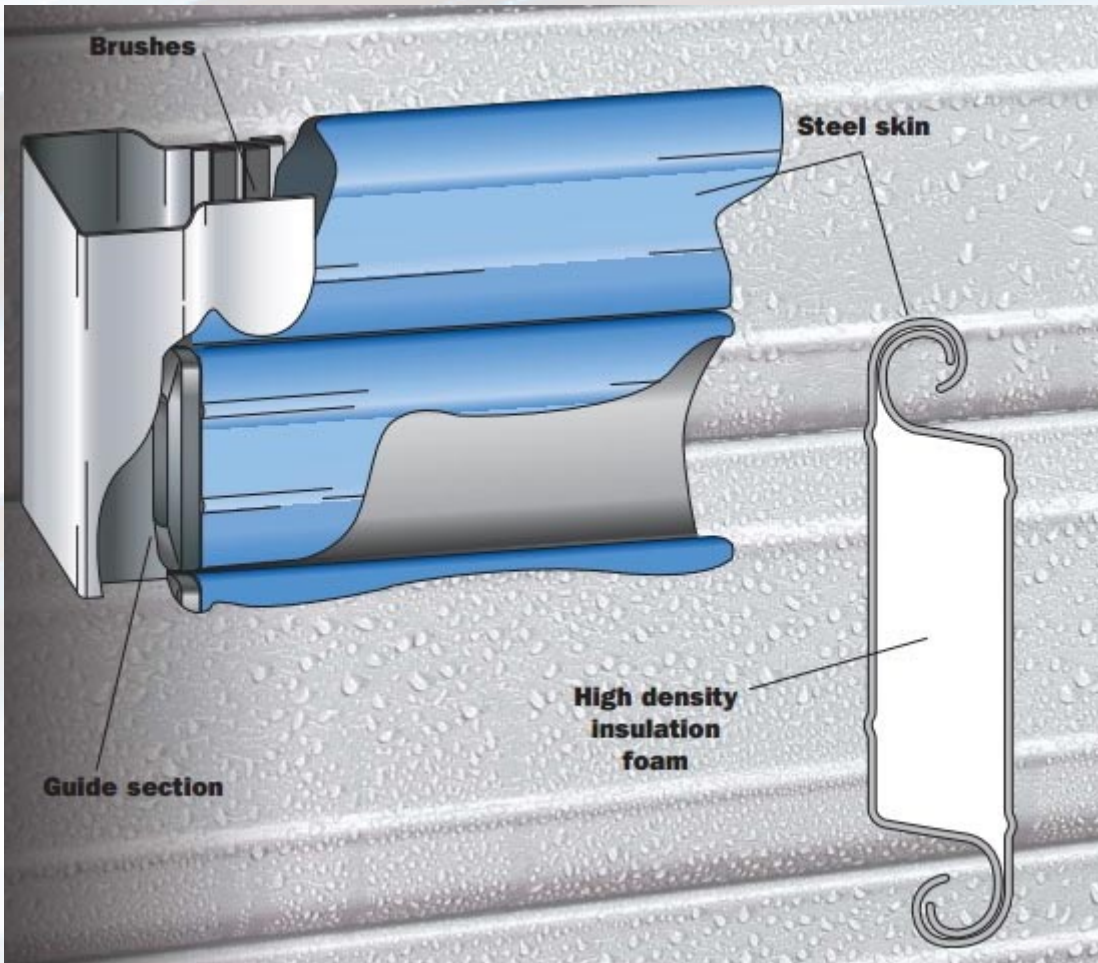
MOTOR

Can be upgraded to GfA Safedrive motor for high speed operation where speed and frequency of operation may be an issue.

FINISHES

Can be Polyester powder coated or plastisol coated in a range of standard RAL colours' for an extra charge.

ILLUSTRATIONS



UKRS S-Flex Series Typhoon Roller Shutter

Shutter Curtain

Constructed from pre-polyestered material designed to provide a barrier against rain, wind, dust, noise, fire, heat and cold. Each panel section is 100mm deep with multi-ribbed face for rigidity.

End Locks

The curtain, when assembled is held in position with purpose-designed injection moulded end fittings, manufactured from hardwearing nylon-6, which sits on the outside of the panels minimising scuffing and damage.

Bottom Seal

The bottom panel of the shutter is terminated with a specially designed aluminium extruded section complete with interlocking (EPDM) rubber weather seal.

Barrel

Manufactured from seamless mild steel tube to BS4750 Grade 50C Size to suit door width and height. Maximum barrel deflection 1:400. Fitted with precision-machined BDMS axles to BS970 EN33.

Main Support Brackets

Main support plates for the barrel and motor unit are manufactured from mild steel plates of varying thickness and incorporate the necessary fixing positions for securing back to the opening structure.

Vertical Side Guides

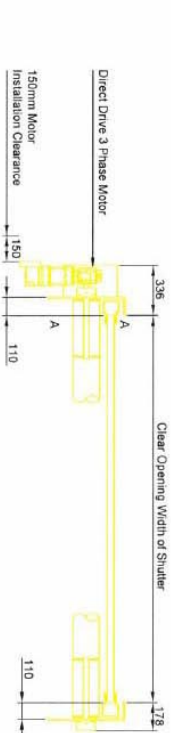
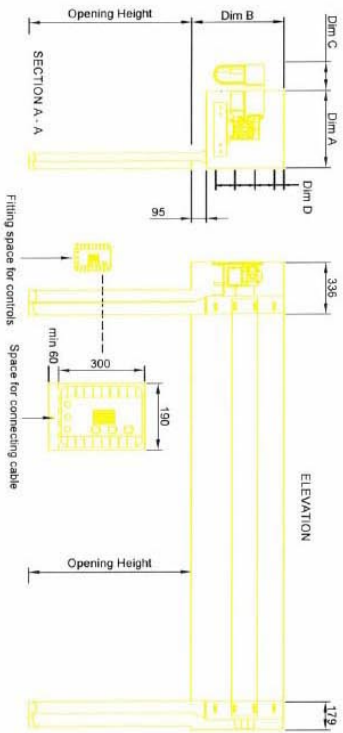
Formed from pre-galvanised material having a minimum thickness of 2mm incorporating twin vertical brushes on both inner and outer face of the guide. Bush carrier is constructed from PVC of high peak strength, finished with end reinforcing with siliconised pack strength, finished with end reinforcing with siliconised pack strength. The guide form is designed to allow reduced working faces and tapered inner faces to provide automatic interlocking/prestressing feature for performance of retention under wind load. Complete with continuous 100 x 65 galvanised fixing angle.

Operation

The door is arranged for an electric motor unit with manual hand-holding and lowering facility. The motor unit is complete with an in-built safety drive system. Operating voltage 400V 3 Phase IP54 protection 80% duty cycle maintenance free and TUV tested, complying with all current European safety standards. Operating speed 220mm per second.

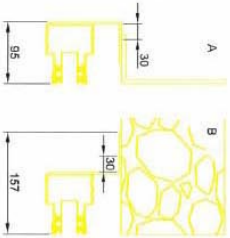
Sound Reduction/Thermal Insulation

The S-Flex shutter has a weighted sound reduction value of 18dB (BS6921 Part 3 1984) and an insulation value of 1.4W/m².



WIDTH	HEIGHT	Dim A	Dim B	Dim C	Dim D
2500	2500	450	525	195	35
4000	4000	500	595	259	60
5000	5000	550	645	209	85
6000	6000	550	645	283	85

Door hood addition - Dim B + 50



All Dimensions in mm



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