



GLV-11 SOLID STEEL SHUTTER

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GLV-11



PRODUCT DESCRIPTION

Steel shutters are used to help prevent unauthorized access and vandalism to premises by adding an extra barrier between "outside" and whatever entrances they may be protecting. When open, the shutters provide an almost unobstructed aperture as the shutter and mechanism store above the doorway and out of the way. Furthermore, the doors are tough and have a long life with little maintenance required.

IDEAL USES

- Warehouses
- Factories
- Large apertures (openings in excess of 16sqm)
- Industrial units
- Commercial units (especially if powder coated)

KEY FEATURES

- Can be upgraded to Secure By Design Status or LPS1175 Security ratings 1-4. Please see our [Heavy Duty Steel Shutters](#)
- Can be powder coated or plastisol coated to any RAL Colour
- Can be made from 18, 20, or 22swg as standard and any other gauge if requested
- Wicket access doors can be incorporated into the shutter if needed

TECHNICAL SPECIFICATIONS

Curtain

The curtain is constructed from galvanised continuously interlocked steel laths that are securely held in place by end locks. A number of thicknesses and profiles are available (18swg, 20swg and 22swg as standard) according to individual circumstances such as size, wind loading etc. Bottom rails are generally galvanised and roll-formed into a tee section.

Guides

Vertical guides are formed from rolled steel or fabricated dependent on size and are supplied with

appropriate angles for fixing to the structure.

Endplates

Mild steel of appropriate thickness in relation to door thickness is prime painted and supplied with angles for fixing to the structure.

Barrel

Our barrels are normally made from a seamless steel tube of adequate diameter to counteract deflection and hold in bearings or cups attached to the endplates.

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

Shutters over smaller openings are typically powered by a 240-volt single phase tubular motor whereas larger shutters are operated using a 400-volt 3 phase geared motor. Adjustable limit switches are incorporated to stop the shutter at the end of each travel.

A wide range of controls are available.

OPTIONS AND VARIATIONS

Operation/Controls

Electric

Key switch

Radio/remote Control

Rocker switch

Timer closing

Loop and Radar operation

Smart phone

Swipe Card activation

Manual

Spring and lock operation (for smaller shutters)

Belt cord operation (for smaller shutters)

Hand chain operation for larger shutters

Finishes

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

Accreditations

All of our security shutters guarantee a high level of security against vandalism and theft. However, for an extra charge you can have one of our shutters with a distinct security or fire rating accreditation including SBD (Secured by Design) or LPS 1175 security rated levels 1-4.

ILLUSTRATIONS









GLV-11 Security Shutter

Applications

High security commercial sites, up to 25m² - 50m².
Punched (GLV-11PU) & Perforated (GLV-11PE) sites can be incorporated as required for full or partial vision.

Curtain Slat

Single Slat: 76mm (3") Curved Steel
Standard galvanised finish.
Wall thickness 0.7mm, 0.9mm, or 1.2mm, depending on overall shutter opening width.
N.B. Colour finishes available on request. Powder-coated or Plasticised finishes.

Variable Surfaces
Push open
Weight per m²
Maximum Width
Maximum Surfaces
76mm
350mm
10kg
12.000mm
25m² with single phase power or 50m² with 3-phase power.

Housing

Manufactured from 0.7mm or 0.9mm galvanised steel sheet.
End caps are fabricated from 3mm steel.
Standard galvanised finish. Other colours available on request.

Shutter Height	Box Size
(up to mm)	(mm)
2500	305
4000	355
5500	400

3-phase motor applications enclosure sizes will vary dependent on motor size and shutter size.
N.B. The above enclosure sizes are based on standard tube motor operation.

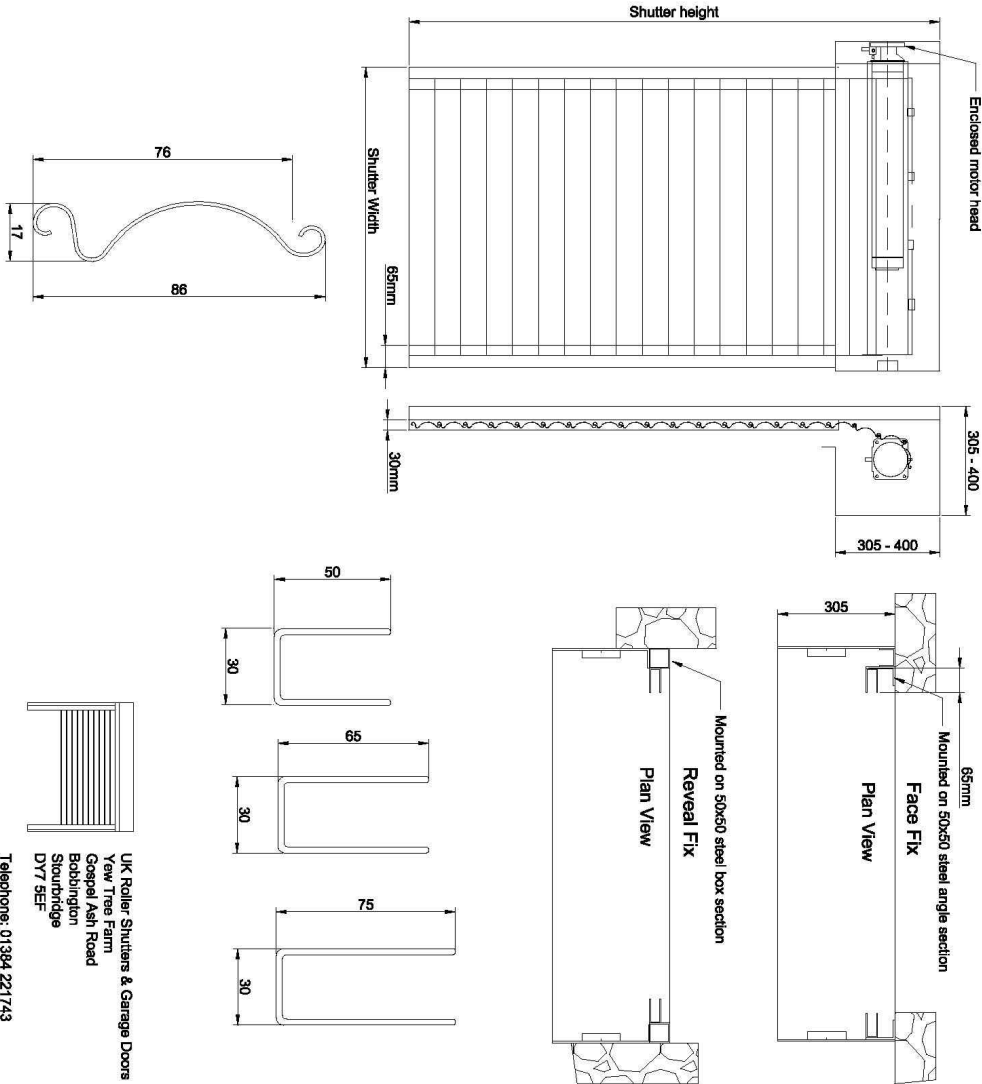
Guide Channels / Bottom Slat

Galvanised steel section bottom rail: either 'L' or 'T' shape.
Guide channel depth will vary dependent on application from 50mm to 100mm (utilising windlocks on the slats).
Standard galvanised finish. Other colours available on request.
Slats are joined from angle or box section, depending on the application. See Plan drawings on this sheet.

Operation

Electric: Single-phase tubular motor or 3-phase outboard direct drive motor (dependent on curtain weight) with push button control. Numerous options such as group or remote control etc., available as required. Manual override facility as required.

Notes: Manual operation is available but not common with the GLV-11; manual operation is reserved for window shutters only.



UK Roller Shutters & Garage Doors
Yew Tree Farm
Gosport Ash Road
Bobbington
Stourbridge
DY7 9EF
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GLV-11 Security Shutter (showing outboard motors)

Applications

High security commercial sites, up to 25m² - 50m².
Panicbar (GLV-11P) & panicrated (GLV-11PE) sites can be incorporated as required for full or partial vision.

Curtain Slat

Single Slat 76mm (3") Curved Steel
Standard galvanised finish.
Wall thickness 0.7mm, 0.9mm, or 1.2mm, depending on overall shutter opening width.
N.B. Colour finishes available on request. Powder-coated or Plastised finishes.

Visible Surface 76mm
Profile Height 86.5mm
Weight per M² 10kg
Maximum Width 12,000mm
Maximum Surface 25m² with single phase power or 50m² with 3-phase power.

Housing

Manufactured from 0.7mm or 0.9mm galvanised steel sheet.
End caps are available in 0.9mm or 1.2mm steel.
Standard galvanised finish. Other colours available on request.

Shutter Height	Box Size
(up to mm)	(mm)
2500	305
4000	345
6500	400

3-phase motor applications enclosure sizes will vary dependent on the overall shutter size.
N.B. The above enclosure sizes are based on standard tube motor operation.

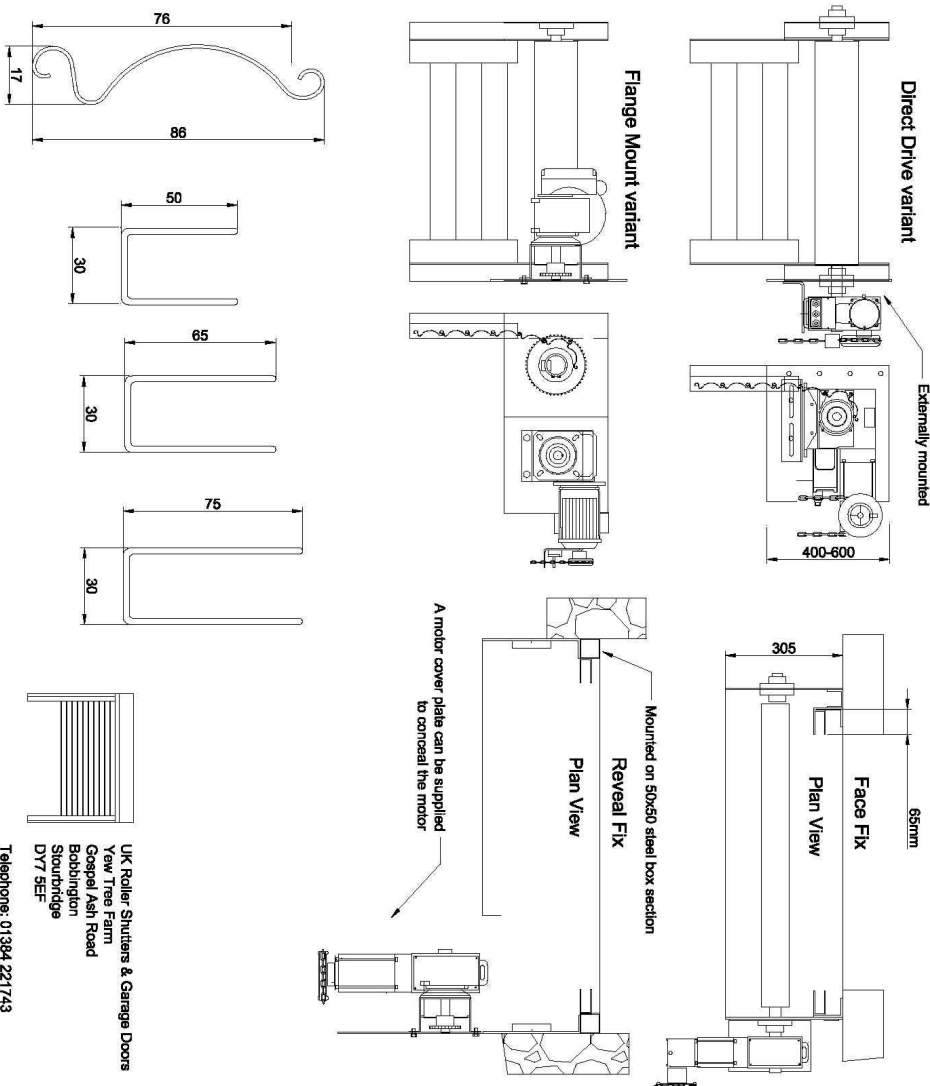
Guide Channels / Bottom Slat

Guide channel depth will vary dependent on application from 50mm to 100mm (lubbing windows or the slats).
Standard galvanised finish. Other colours available on request.
Guide channels are bolted onto angle or box section, depending on the application. See Plan drawings on this sheet.

Operation

Electric: Single-phase tubular motor or 3-phase outboard direct drive motor (dependent on curtain weight) with push button control. Numerous options such as group or remote control etc., available as required. Manual override facility as required.

Note: Manual operation is available but not common with the GLV-11; manual operation is advised for window shutters only.



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Shutter

Standard GLV-11 shutter with sprung barrel for easy manual opening and closing.

Applications

High security commercial sites, up to 9m²
Punched (GLV-11PU) & Perforated (GLV-11PE) slats can be
incorporated as required for full or partial vision.

Curtain Slat

Single Skin 76mm (3") Curved Steel
Standard galvanised finish.
Wall thickness 0.7mm, 0.9mm, or 1.2mm, depending on overall shutter opening width.
N.B. Colour finishes available on request. Powder-coated or plastic finishes.

Visible Surface	76mm
Profile Height	88.6mm
Weight per M ²	10kg
Maximum Width	3,000mm
Maximum Surface	9m ²

Housing

Manufactured from 0.7mm or 0.9mm galvanised steel sheet.
End caps are fabricated from 3mm steel.
Standard galvanised finish. Other colours available on request.

Shutter Height	Box Size
(up to mm)	(mm)
2500	305
3400	355

Guide Channels / Bottom Slat

Galvanised steel section bottom rail: either 'L' or 'T' shape.

Guide channel depth will vary dependent on application from 50mm to 100mm (utilising windlocks on the slats).

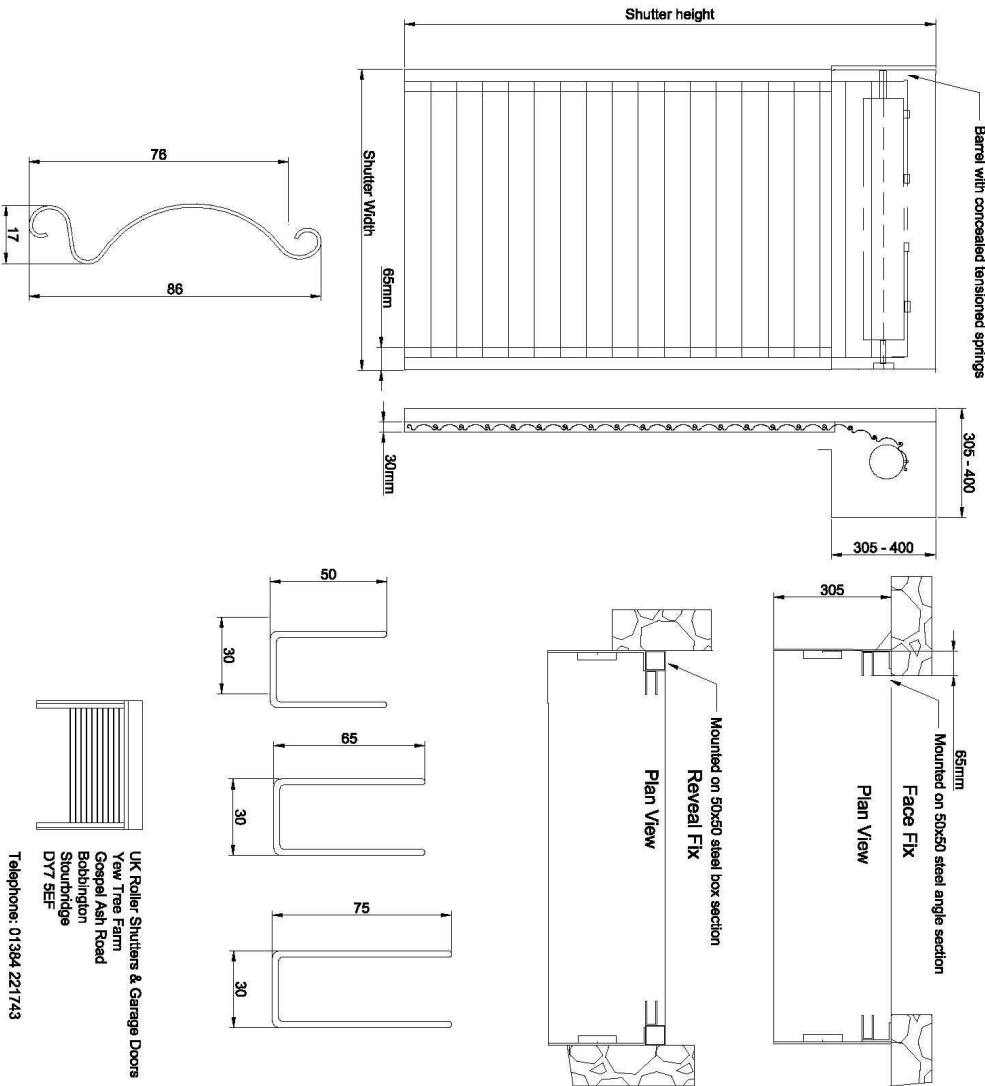
Guide channels are bolted onto angle or box section, depending on the application. See Plan drawings on this sheet.

Operation

Manual: Operation by manually grasping handle on bottom slat. Shutter curtain rises under tension to fully open position and remains there, close by pulling the curtain down against the spring tension.

Locking by bottom slat transverse shoot bolts; in addition, bullet locks and housings may be welded onto face of guide channels and inserted into the curtain leaf, thereby further deterring attempts to lift the curtain up while in locked condition.

Note: Manual operation is advised for small pedestrian type doorways and window shutters only.



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