



Security Shutter Range

INTRODUCTION

Our product range has been developed in Britain to provide an architecturally acceptable answer to the growing demand for vandalism and burglary protection on domestic, commercial and retail properties.

The slimline finish makes internal fitting of window shutters a frequent choice. Our continuous programme of product development has produced a compact shutter of exceptional strength for small to medium size apertures.

Installations nationally protect windows and doors on city centre, suburban and rural homes, offices, factories, sports centres, medical premises, schools, community centres, computer rooms and golf clubs. In short, any building where security is a concern.

GENERAL ARRANGEMENT

Shutter box The shutter coil is completely encased in a two piece, roll formed aluminium box, available in a range of six sizes according to the shutter height and slat type. The box is styled with a 45° chamfer to minimise the visual impact. On large electric operation shutters which require a manual override the box extends beyond the width of the guides to accommodate the override mechanisms on the drive side.

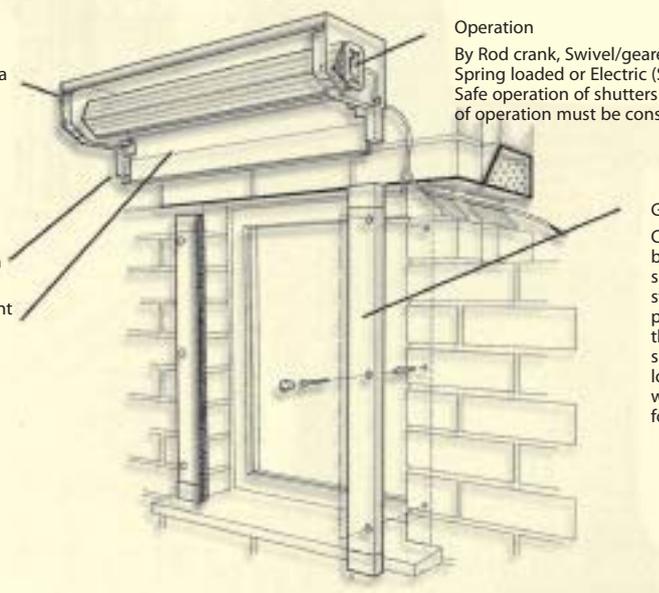
Lugs at each end of the box locate into the box section of the guide rail.

Shutter slats A range of profiles is available dependent upon the security and/or vision requirement.

Aluminium shutters are available in extruded aluminium in single and twin wall profiles and roll formed in twin wall foam insulation filled profiles.

Steel shutters The SeceuroShield/Vision 7500 is a single wall profile in 22swg steel. The SeceuroShield 4000 and 5500 are roll formed twin wall foam insulation filled profiles.

The bottom slat further allows for tailoring of security level.



Operation

By Rod crank, Swivel/geared belt,
Spring loaded or Electric (Shown)
Safe operation of shutters which are not visible from the point of operation must be considered.

Guide rails

Constructed from extruded aluminium with a brush pile or neoprene liner for quiet, smooth operation. The guide rail is strengthened by a box section which also provides a separate fixing position and allows the shutter box to locate into. Size varies with slat type, shutter size and level of security. For locations with high security risk areas or high wind loading a windlock guide is available for some slat types.



ISO 4011161

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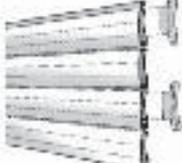
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GENERAL DETAILS

END LOCKS

Typical endlock arrangement



Extruded slats

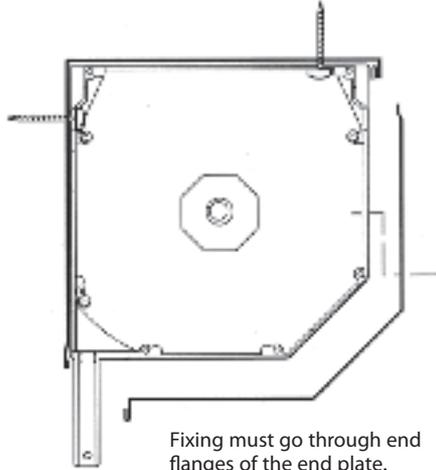


Foam filled slats

Secured by rivets, crimping or staples depending on slat size/type.

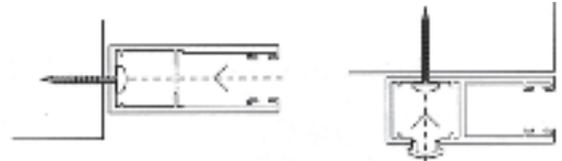
SHUTTER BOX & 45° CANOPY

Detail: Box Fixing showing optional 45° Removable canopy



Fixing must go through end flanges of the end plate.

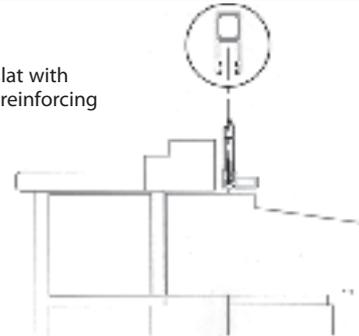
GUIDE FIXING



Detail: Guide reveal fixing Detail: Guide Face fixing

BOTTOM SLAT DETAIL

Detail: Bottom slat with optional reinforcing angle



MANUAL OVERRIDE

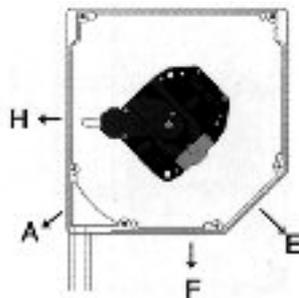
MANUAL OVERRIDE FACILITY

If a manual override is required for use in the event of power failure this must be specified at the time of ordering. There is a choice of technical solutions for the handle mechanism which operates the override, principally dependent upon whether the shutter is installed internally or externally and whether the override is to operate from inside or outside the building. Override locks and the low level external override are available at a surcharge. All specifications refer to a 205mm box or larger.

USE OF MANUAL OVERRIDE SHUTTERS:

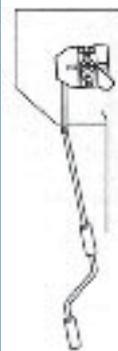
Clear instruction must be given to users on the manual override winding direction to raise the shutter. Winding the shutter downwards beyond the normal stop point will damage the shutter.

Exit Points.



Not all exit options will be possible on certain shutters.

Externally fitted shutter with external override



A removable 45° joint crank handle is inserted into the motor. The exit hole is filled with an 18mm cover cap or lockable override cover. Only available on shutter box exit 'F'.



45° crank

A lockable coverplate option.



Externally fitted shutter with internal override

A permanently installed internal handle can often be specified subject to final survey and dependent on the construction of the building specification. Specification and installation details are the same as for rod crank operation.

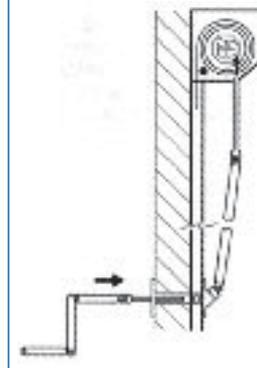
Internally fitted shutter with internal override



A fixed eye can be supplied at shutter box exit 'F' with a removable hooked handle of 1100mm as standard.

Alternatively a fixed 45° joint crank handle can be supplied at box exit 'E' or 'F'.

Internally fitted shutter with external override



The low level external override (exit F) is operated by unlocking the override cover plate and inserting the winding handle.



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