HVP Security Shutters Ltd.
Roller Shutter Manufacture and Installation

Armourshield Roller Grille

Armourshield is a tough security grille with an elegant, open look and feel to it. HVP's Armourshield grilles are ideal for shop fronts, reception counters and serveries.

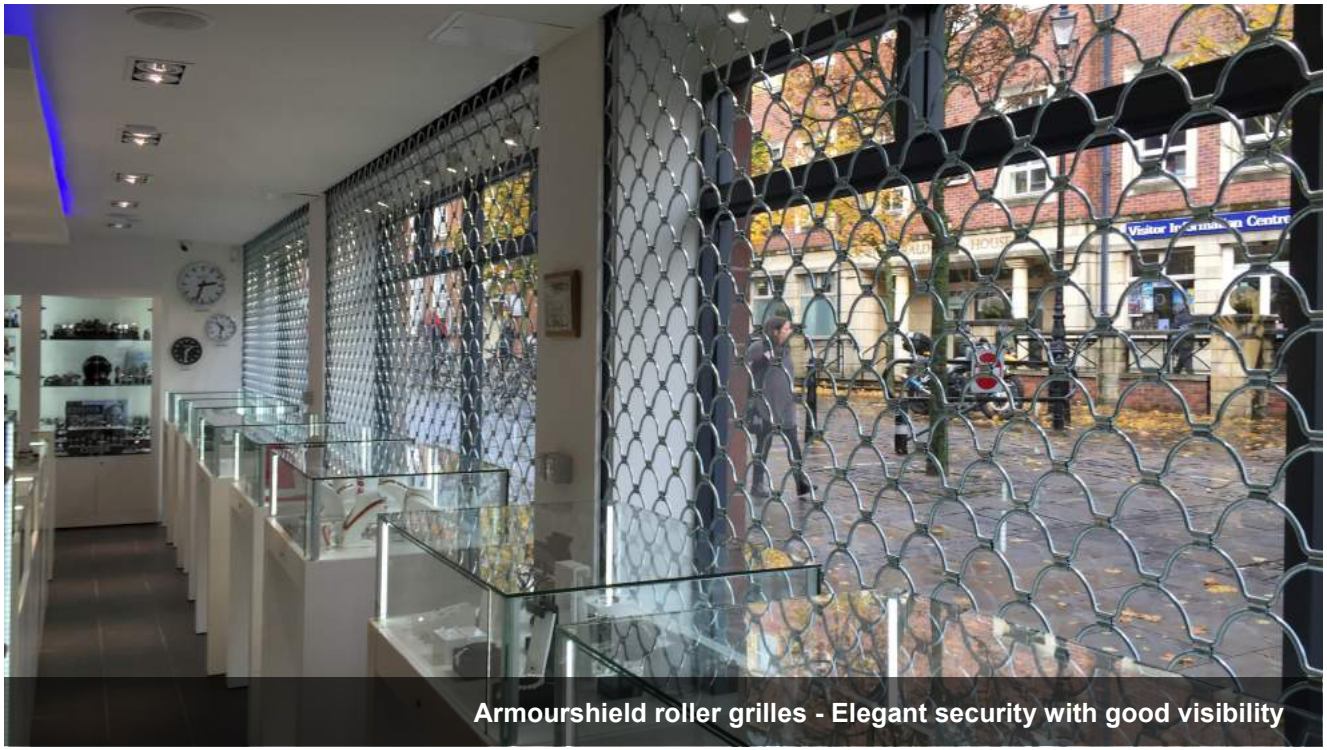
The combination of high security and maximum amount of open space make this grille perfect for shop fronts. Ideally, it's placed behind glazing, where it forms a double barrier with the glass. The Amourshield is available in two patterns 'shell' and 'ring', with two aperture sizes, one larger, ideal for larger openings and a smaller aperture, suited to smaller openings. They create an attractive and securely-locked barrier with maximum visibility.

Key features

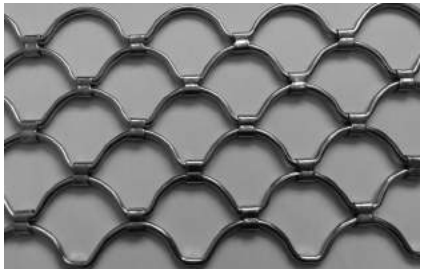
- Great visibility of goods on display
- Full natural light and air
- Steel rods in zinc silver or gold
- Stainless steel rods option available

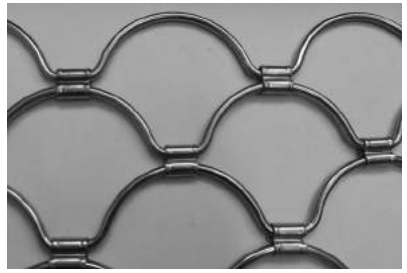
Suitable for

- Retail shopfronts
- Bars and serveries
- Reception counters
- Car park openings

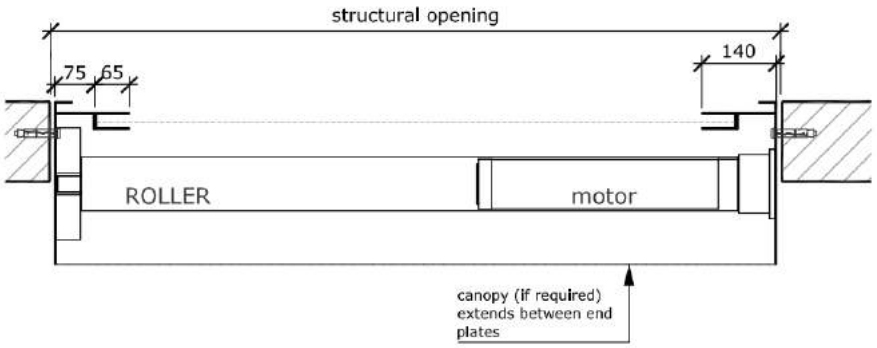


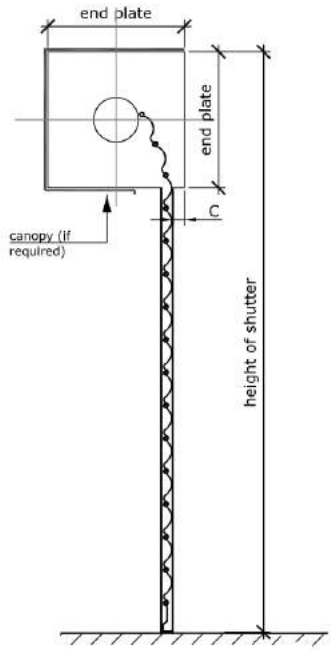
Armourshield roller grilles - Elegant security with good visibility



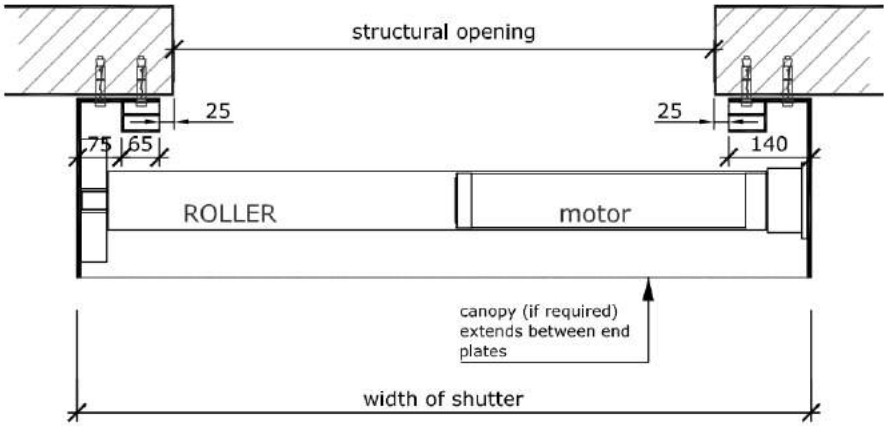


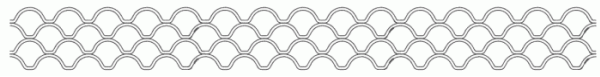
Technical specification



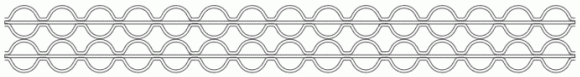


Plan views: Reveal Fix (above) and Face Fix (below)

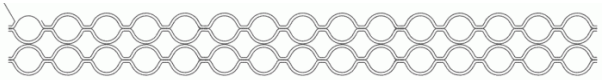




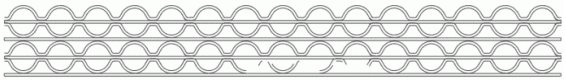
Style A - standard shell



Style C - ring with intermediate reinforcing



Style B - standard ring



Style D - ring with reinforcing

Armourshield Roller Grille

Classic style roller grille in a variety of patterns.

Construction:
Manufactured from 6mm or 8mm solid steel bars, press-formed into the grille profile. Grille bars locked together with pressed steel clips; roll-formed steel bottom rail (8mm grille); galvanised steel guides 10 gauge 65mm - 104mm x 33mm.

Operation:
Electric operation by internal tubular motor with manual override facility. Safety brake fitted when required to comply with BS EN 13241:2003-1 (HVP Security Shutters' general policy is to fit a safety brake unless stated otherwise).

Locking Options:
Electrically-operated grilles are generally self-locking. For additional security HVP Security Shutters recommends guide pin locks or a ground padlocking unit combined with a motor isolator box.

Finish:
Zinc plated in silver as standard
Cost options—zinc gold colour ; stainless steel (8mm grille only) .

Shutter height (to top of endplate)	Typical endplate	Typical guide set back from front of endplate (C)
Up to 2400mm	305 x 305mm	25mm
Up to 3600mm	355 x 355mm	30mm
Up to 4500mm	405 x 405mm	30mm

Maximum size: 6500mm wide (max 20 sq mtr)

Grille Styles:
Styles A & B use the same 6mm or 8mm materials, but can be in either a 'shell 'or 'ring 'pattern.

Style C includes a solid bar within the rings. This not only reduces the aperture size but also increases the security strength.

Style D adds an additional solid steel bar between the rings to give the maximum security rating.

Rod size and aperture:
Rod size 6mm: aperture size 86mmW x 70mmH - centre rod
Rod size 8mm: aperture size 154mmW x 136mmH - centre rod

We have done our best to ensure the information on this brochure is accurate. We do, however, reserve the right to change specification without prior notice.

HVP Security Shutters Ltd.
Roller Shutter Manufacture and Installation

Barricade Collapsible Gate

Barricade grilles are a horizontally-folding, fully retractable security system. They are exceptionally strong barriers that offer very good visibility when locked.

The grilles are locked in multiple places with a single key, run on a smooth carrier system and can be custom built to suit almost any opening. They are quick and easy to use. For wider openings, we can install multiple sections of grilles.

Also available in an insurance-approved version.

Key features

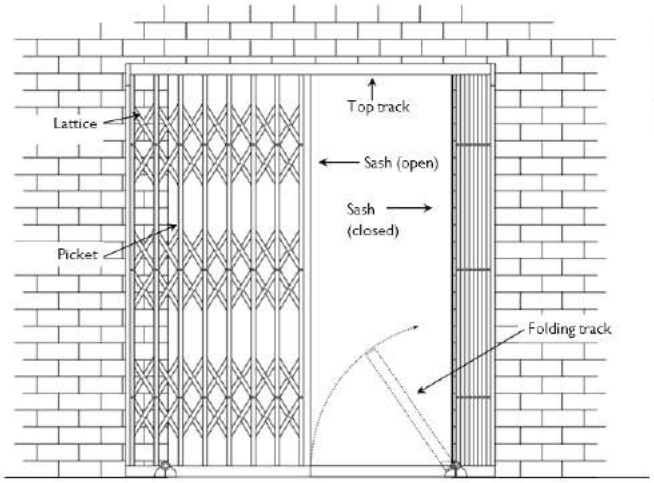
- Pre-galvanised and powder-coated
- Folds away neatly when not in use
- A visual deterrent that lets in lots of light

A strong horizontally-sliding grille with very good visibility

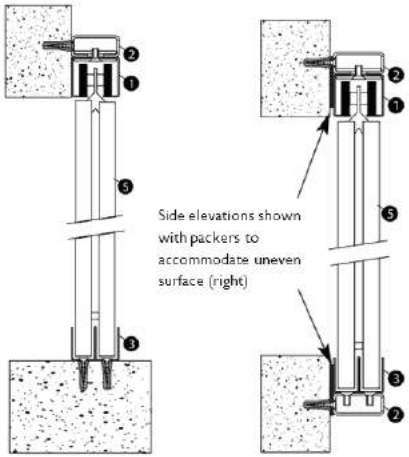
Suitable for

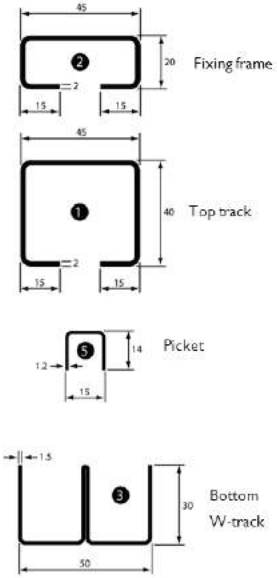
– Domestic premises
– Office windows
– Shopfront window displays

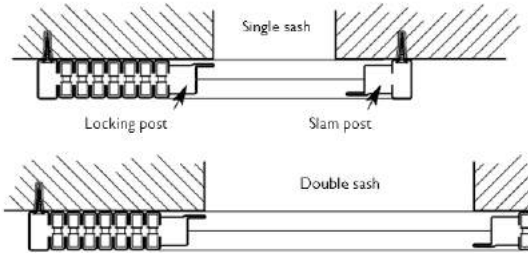
Technical specification

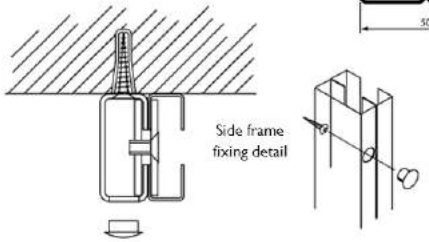


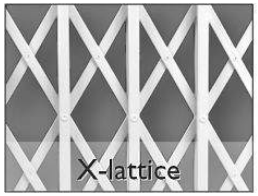
Front elevation (above) and plans (below)

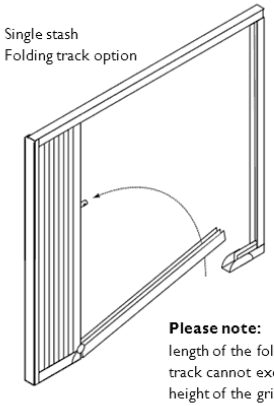


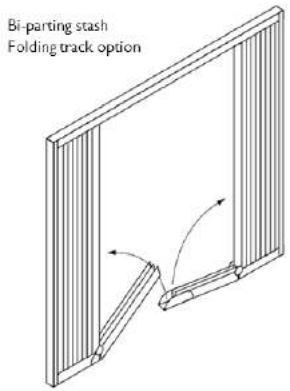












Barricade Collapsible Gate

Sideways folding collapsible gate.

Construction:
Manufactured from all galvanised, high grade steel and supplied in 'X' lattice as standard or 'S' lattice as an option. Top-hung on nylon coated steel bearings. Optional folding bottom track. Strong steel lattice with smooth durable finish.

Operation:
Manual operation.

Locking Options:
Two point locking (four point for the insurance approved version) from a single key with the lock mechanism shielded by a steel plate. Overlapped locking profiles.

Finish:
All galvanised steel construction. Polyester powder coated to a range of RAL colours.

Size guide:

- Maximum Height: 3500mmH (insurance approved version 3000mmH)
- Minimum Height: 500mmH (insurance approved version 1000mmH)
- Maximum Width (bi-parting): 6000mmW
- Minimum Width (bi-parting): 1000mmW
- Maximum Width (single sash): 3000mmW
- Minimum Width (single sash): 500mmW
- An unlimited width can be accommodated in sections

Weight and Stacking:
19kgm^2 nominal. An unlimited width can be accommodated with multiple sashes. Sashes to be made in single pieces up to 2m wide. Larger sizes to be made in sections for assembly on site, ensuring the weight of each section can be handled safely. Gates wider than 4m will be supplied with the top track in two pieces, with the split in the middle. Where two split sashes meet, two pickets are joined together using bolts and fixing plates.

Insurance approved version (optional):
As above with the following changes:

- Lattice assembly system to utilise high grade steel screws;
- Gate to be independently tested and approved to Loss Prevention Standard (LPS) 1175 Security Rating Classification 1;
- Gate to carry the LPCB mark on a metal plate fixed to the outside of the product;
- Gate to be installed in accordance with the requirements of LPS 1175.

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HVP Security Shutters Ltd.
Roller Shutter Manufacture and Installation

Chainlink Roller Grilles (CL200 / CL250)

Chainlink roller grilles combine modern and elegant lines with lots of open space. They are versatile security shutters, suitable for a range of different applications.

Manufactured from aluminium tubes and links,held together with aluminium rods, Chainlink grilles make a lightweight, but strong, curtain. They are available in brick bond (CL200) and inline (CL250) patterns. A large area of open space between the links creates a sense of openness that makes Chainlink grilles a popular choice for shopfronts as well as reception counters, bars and serveries.

Options available: Steel tubes and links, steel rods, stainless steel tubes and links, powder coat finish.

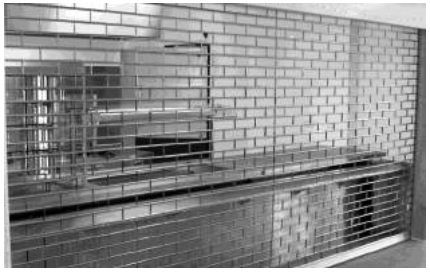
Key features

- Good visibility
- Effective security
- Contemporary design

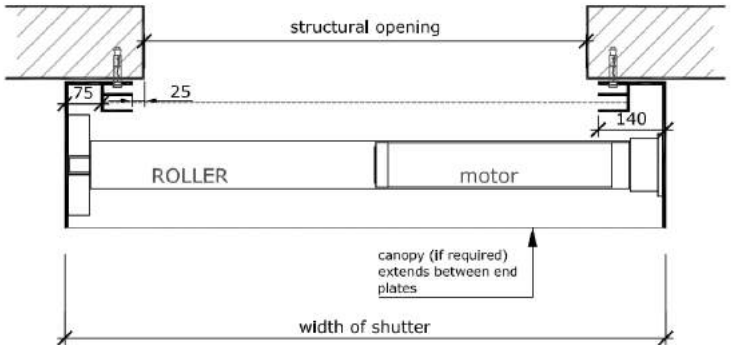
Suitable for

– Retail shopfronts
– Reception areas
– Food serveries
– Counters and bars

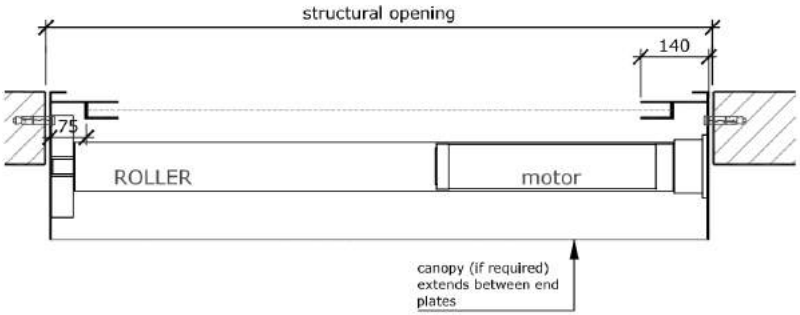
Contemporary security roller grilles - lightweight and effective

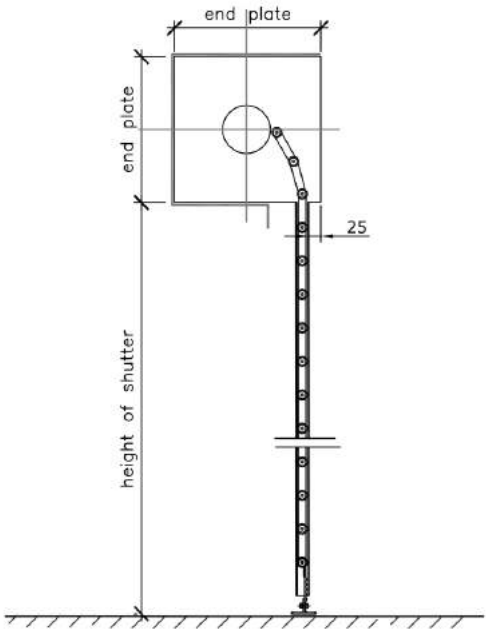


Technical specification

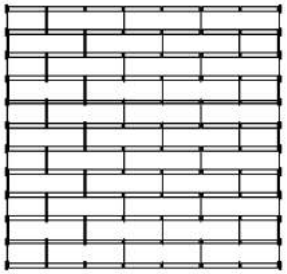


Plan view face fix (above) and reveal fix (below)



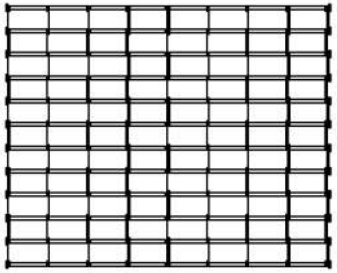


Elevation



CL200 - Brick bond

225mmW x 65mmH
79% open area



CL250 - Inline

110mmW x 65mmH
78% open area

Chainlink CL200/CL250 Roller Shutter

Tube and link security roller grille with a high degree of visibility .

Construction:
Manufactured from aluminium tubes and links on aluminium rods.
Tube size 111mm x 13mm; Link size 86mm x 16mm x 3mm;
Steel guides 65mm x 32mm or 50mm x 32mm;
Aluminium T-section Bottom rail.

Option: Steel rods for external applications or widths in excess of 6m.

Available in two patterns:
CL200 - brick bond pattern,
CL250 - inline pattern

Canopy:
Three sided folded galvanised sheet – Powder Coated finish available at additional cost.

Dimensions:
Clear opening height (to underside of canopy):

2400mm, canopy 305mm square
3000mm, canopy 355mm square
4000mm, canopy 385mm square

Operation:
Manual push-up/pull-down operation or electric operation by internal tubular motor with manual override facility.

Locking Options:
Manual shutters - Bottom rail central key lock, guide pin locks, or ground padlocking system.
Electrically operated - shutters are not supplied with locks, however for additional security HVP Security Shutters recommend guide pin locks or a ground padlocking unit, combined with a motor isolator box.

Finish:
Anodised natural aluminium as standard. Also available in polished aluminium, stainless steel or powder coated.

Maximum overall Size:
CL200:CL250 — 6000mmW (maximum 21 sq mtr) aluminium rods
CL200:CL250 — 6500mmW (maximun 20 sq mtr) steel rods

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HVP Security Shutters Ltd.
Roller Shutter Manufacture and Installation

CL70 & CL200 Bar/Reception Roller Grilles

Shutters in the CL70 and CL200 chainlink series are ideal grilles for bar and reception counters. Both are made from links connected through aluminium rods. This gives visibility and security at the same time.

The CL70 is made from strong PVC moulded links. Their shape creates an attractive pattern with spaces big enough to show merchandise, but sufficiently small to prevent objects from being pulled through.

The CL200 links are made from extruded aluminium tubes, giving these grilles a modern look.

Their lightweight construction makes both grille types perfect for manual operation. When rolled up, they're very compact to allow installation in a bulkhead or above the ceiling.

Lightweight, economic grilles with the right mix of security and visibility for bars and receptions

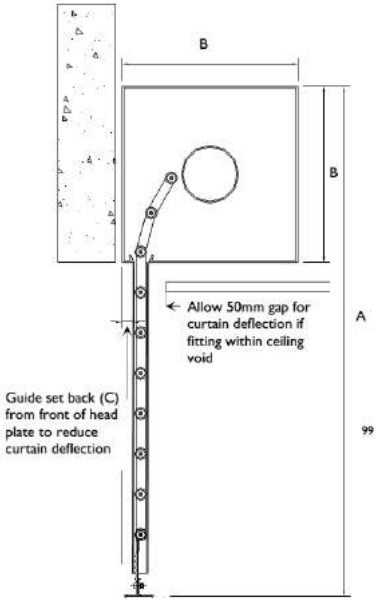
Key features

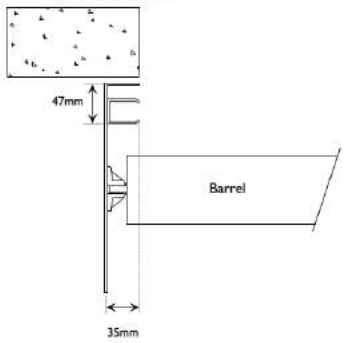
- Effective security
- Economic solution
- Attractive look

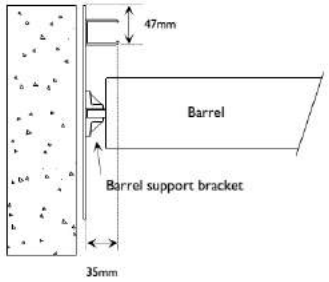
Suitable for

– Bars
– Serveries
– Reception counters

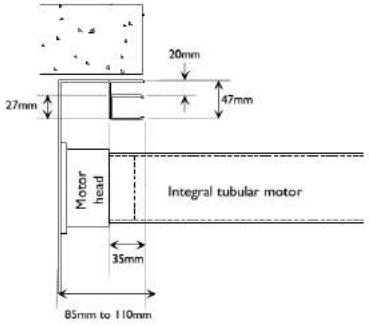
Technical specification

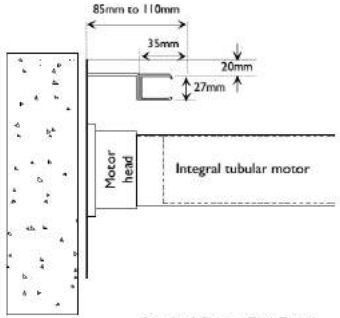




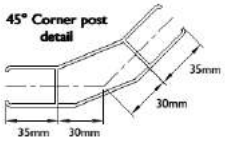


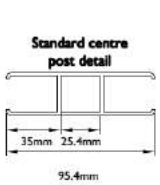
Manual operation (above) and Electric operation (below)

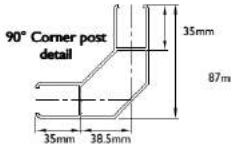


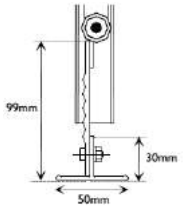


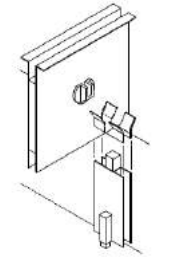
Typical post arrangements manually operated shutters

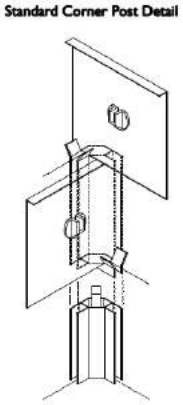












CL70 & CL200 Bar/Reception Roller Grilles

Tube and link security roller grille with a high degree of visibility .

Construction:
Manufactured from PVC links (CL70) or aluminium tubes (CL200) on aluminium rods.

Aluminium T shaped bottom rail; Aluminium guides 35mm - 65mm x 27mm - 36mm.

CL200 available in two patterns:
CL200 - brick bond pattern,
CL250 - inline pattern

Box size:
Clear opening height (to underside of box):

1100mm, box size 230mm
1350mm, box size 250mm
2400mm, box size 305mm

Operation:
Manual push up/pull down operation or electric operation by integral tubular motor with manual override facility. Safety brake fitted when required to comply with BS EN 13241:2003-1 (HVP Security Shutters' general policy is to fit a safety brake unless specified otherwise).

Locking Options:
Bottom rail central key lock or Guide pin locks.
Electrically operated grilles are generally self-locking.

Finish:
CL70 available in Brown, White, Black, Red or Grey as standard.
Other colours on request.

CL200 Anodised natural, Polished, or Powder Coated.

Maximum Sizes:
3000mmW x 3000mmH
Wider shutters catered for with removable or fixed centre posts.

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HVP Security Shutters Ltd.
Roller Shutter Manufacture and Installation

Clearlook Polycarbonate Roller Shutter

Clearlook security roller shutters are made from transparent polycarbonate elements, linked together by aluminium rods. The shutter's design gives over 80% visibility through the opening.

Clearlook polycarbonate roller shutters offer the best of both worlds: excellent visibility combined with a very high level of security. They are built from patented, high quality composite polycarbonate links, reinforced by aluminium tubes. The shutter derives its strength and flexibility from this construction.

Transparent polycarbonate elements linked with aluminium rods: superior visibility and strength

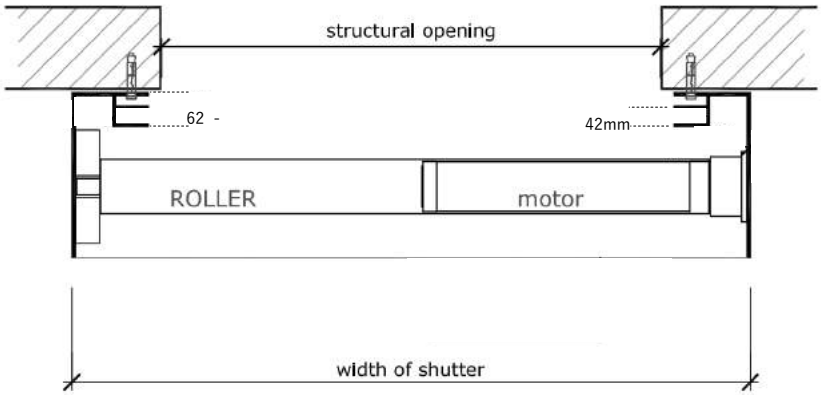
Key features

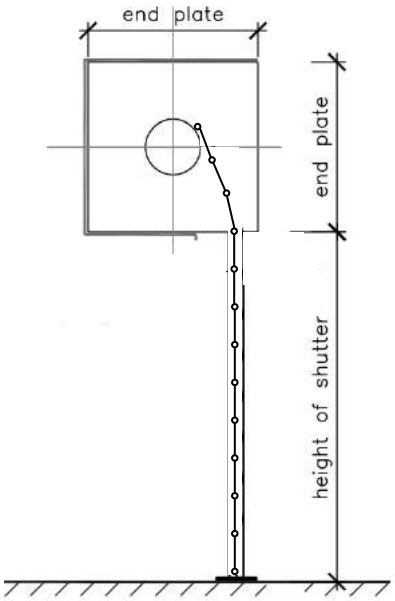
- Superior visibility
- Exceptional strength
- Very durable

Suitable for

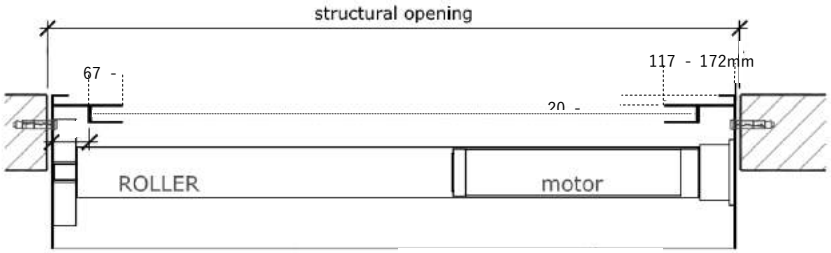
- Shopfronts
- Airports
- Shopping malls
- Reception desks
- Banks
- Domestic use

Technical specification





Face-fix (above) and reveal-fix (below)



Clearlook Polycarbonate Shutter

Roller shutter made from durable, virtually unbreakable polycarbonate panels.

Construction:
Manufactured from 360mm x 85mm x 9.5mm polycarbonate links. Polycarbonate links connected by 16mm diameter horizontal aluminium tubes. Aluminium guides 67mm or steel guides 90mm with brush strips. Aluminium bottom rail complete with bottom seal.

Optional canopy:
Roll formed aluminium in two sections; top and bottom boxes. Bottom box removable for installation and maintenance and chamfered at 45°. The shutterbox is assembled on die cast aluminium endplates.

Operation:
Electric operation by internal tubular motor with manual override facility. Safety brake fitted when required to comply with BS EN 13241:2003-1 (HVP Security Shutters' general policy is to fit a safety brake unless specified otherwise).

Locking Options:
Electrically operated grilles are generally self-locking. Standard additional electrical interlocking with electronically controlled locks. For further security HVP Security Shutters recommends a ground padlocking unit combined with a motor isolator box.

Finish:
Anodised aluminium as standard. Metal parts can be powder coated to any RAL colour (some non-standard colours may increase the delivery time). Optional panel coatings available.

Size guide:

Overall shutter height	Box size
Up to 2400mm	305mm
Up to 3600mm	355mm
Up to 4500mm	405mm

Maximum Sizes:
6000mmW x 5500mmH
(Depending on shutter weight an industrial motot may be needed).

We have done our best to ensure the information on this brochure is accurate. We do, however, reserve the right to change specification without prior notice.

Security Shutters Ltd.
Roller Shutter Manufacture and Installation

Cobra 610 Sectional Overhead Door

The Cobra 610 is an insulated sectional overhead door with a guaranteed high thermal performance. It insulates better than current building specifications with less cold-bridging when compared to traditional roller shutters.

Sectional overhead doors slide away fully up and over the top of the opening. They leave the opening completely free, which makes them ideally suited for goods doors in warehouses, factories and storage areas.

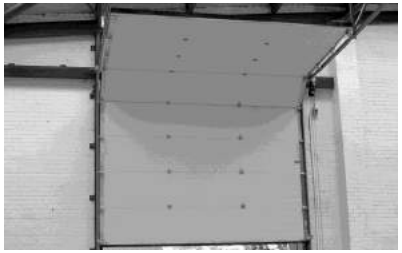
Superior thermal performance - optimal opening size

Key features

- Insulation value exceeds regulations
- Fully weatherproof on all sides
- Leaves the opening completely free

Suitable for

- Warehouses
- Storage areas
- Factories
- Workshops
- Loading bays



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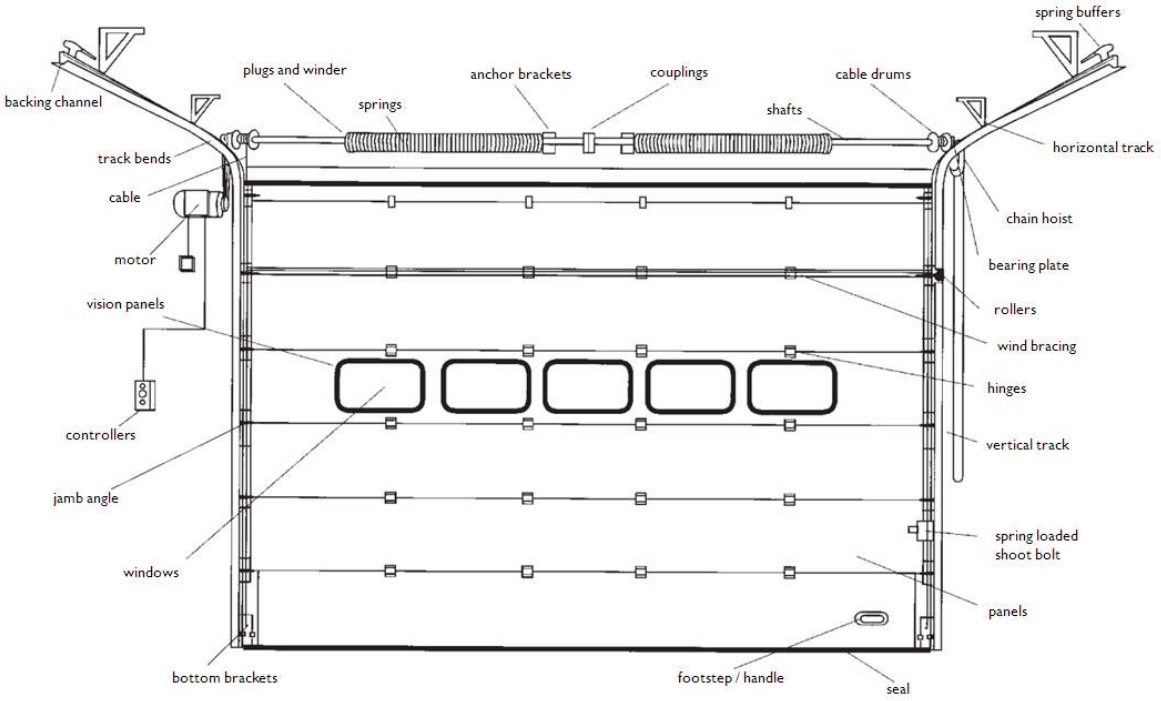
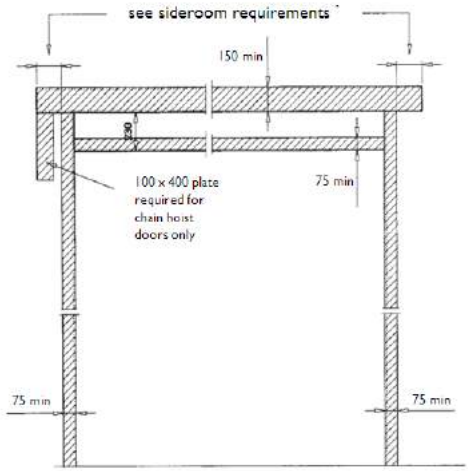
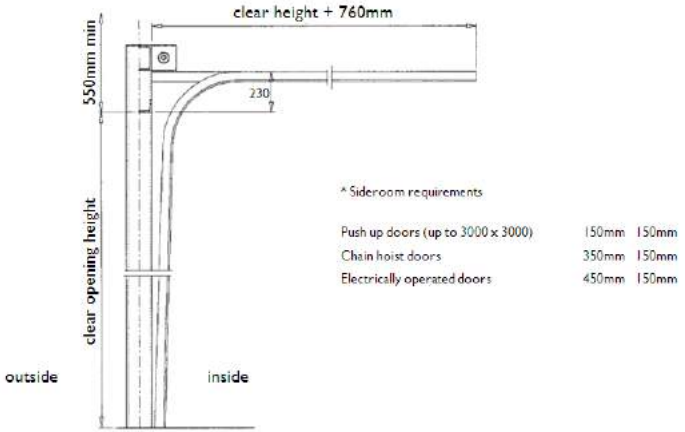


Typical "standard lift" door assembly (Including motor unit and windows)





Cobra 610 Section Overhead Door

Insulated sectional overhead door .

Construction:
Manufactured from hinged panels 40mm thick x 610mm high. Panels made from 39mm thick rigid polyurethane foam and covered inside and outside by 0.5mm thick hot-dipped galvanised steel sheets. Inner and outer sheets are 'V' grooved to provide increased lateral strength.
The whole door has a low density, compressible foam at the panel base, and a factory applied weather seal at the bottom edge.
The panels are fitted with pre-punched galvanised steel end caps and the top and bottom panels are finished with an aluminium retainer which holds the top and bottom EPDM rubber seals.
All metal components on the door are galvanised for weather protection.

Thermal performance:
HVP's sectional overhead doors have a 'U' value of 0.6 W/m^2 K.

Track:
The door track is fully galvanised cold-rolled 2mm thick galvanised steel track with spring buffers fitted to back of tracks. The springs are of the highest grade to DIN 17223 Sport C specification for longer life.
The door track can be standard lift, high lift, vertical lift or low headroom track. Optional 'follow the roof' and 'pitched track' configurations are also available.

Operation:
Electric (3ph or 1ph), chain-hoist, or manual push-up, pull-down. Spring break safety device to be fitted as standard on manual single spring doors. Cable break safety device to be fitted as standard to all electrically operated doors (option on all doors regardless of size).

Locking Options:
Electrically operated doors are generally self-locking. A range of locking options are available, please contact us for more information.

Finish:
The door's outer skin can be finished and coloured in a range of finishes and colours. Please visit the sectional door page on our website for an overview.

Maximum Sizes:
- Manual operation: 3000mmW x 3000mmH
- Chain Hoist or Electric operation: 7000mmW x 7000mmH
- Maximum door area: 42 m^2. Contact us for doors higher than 5500mmH.

Optional extras:
Sectional overhead doors are available with a range of optional extras such as windows, access doors and additional safety equipment. Please see the sectional door page on our website or contact us for more information.

We have done our best to ensure the information on this brochure is accurate. We do, however, reserve the right to change specification without prior notice.

HVP Security Shutters Ltd.
Roller Shutter Manufacture and Installation

Facade Transparent Roller Shutter

A fully transparent roller shutter, made from virtually unbreakable polycarbonate. Facade shutters provide a transparent barrier that is versatile, durable and good-looking.

The first thing you will notice about this shutter is how it creates a feeling of security, while maintaining a welcoming atmosphere. The Facade is a very versatile shutter that works well in commercial situations such as at airports, in shopping malls and at reception desks. It's also a good product to protect domestic windows and patio areas.

Exceptionally strong transparent polycarbonate roller shutters

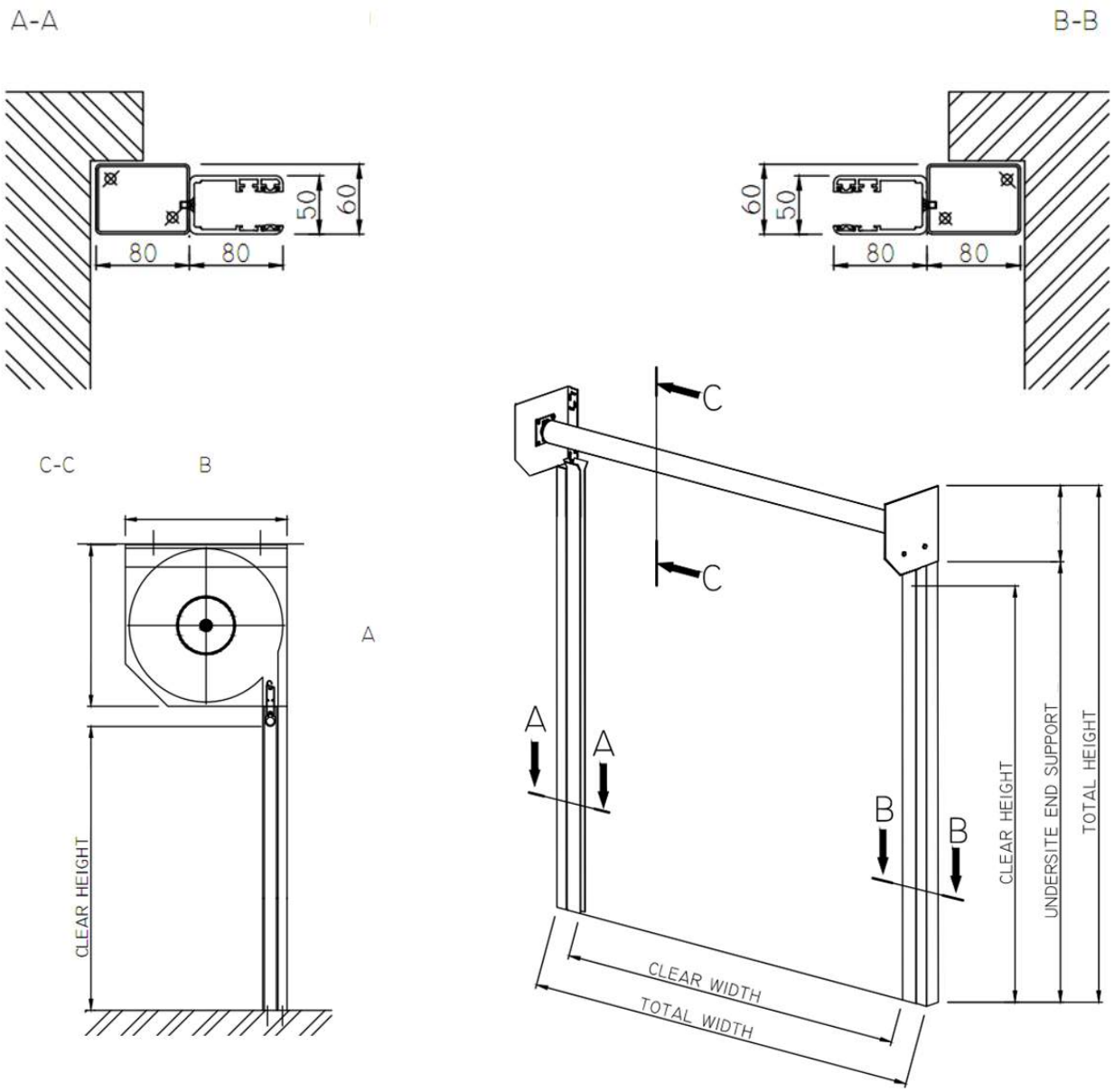
Key features

- Made from transparent polycarbonate
- Exceptionally strong and durable
- Compact and versatile

Suitable for

- Shopfronts
- Airports
- Shopping malls
- Reception desks
- Banks
- Domestic use

Technical specification



Facade Transparent Roller Shutter

Roller shutter made from durable, virtually unbreakable polycarbonate panels.

Construction:
Manufactured from 5mm or 6mm thick UV-resistant polycarbonate panels joined by 25mm high extruded aluminium hinged rails; Panels have a minimum height of 100mm and maximum plate length of 3000mm. For wider apertures H-section mullions with a visible width of 15mm are placed between plates; Double walled extruded aluminium bottom rail with rubber weather seal; Aluminium guides 50mm wide by 80mm deep, plastic lined, mounted on 60mm x 80mm steel sections.

Optional canopy:
Roll formed aluminium in two sections; top and bottom boxes. Bottom box removable for installation and maintenance and chamfered at 45°. The shutterbox is assembled on die cast aluminium endplates.

Roll sizes:

Clear opening height (to underside of roll)	Roll diameter 5mm panels	Roll diameter 6mm panels
Up to 2000mm	290mm	320mm
Up to 2500mm	310mm	340mm
Up to 3000mm	330mm	360mm
Up to 3500mm	340mm	400mm
Up to 4000mm	360mm	420mm
Up to 4500mm	380mm	440mm

Operation:
Electric operation by internal tubular motor with manual override facility. Safety brake fitted when required to comply with BS EN 13241:2003-1 (HVP Security Shutters' general policy is to fit a safety brake unless specified otherwise).

Locking Options:
Electrically operated grilles are generally self-locking. Standard additional electrical interlocking with electronically controlled locks. For further security HVP Security Shutters recommends a ground padlocking unit combined with a motor isolator box.

Finish:
Anodised aluminium as standard. Metal parts can be powder coated to any RAL colour (some non-standard colours may increase the delivery time). Optional panel coatings available.

Maximum Sizes:
7000mmW x 5000mmH (6mm panels) or 6000mmW x 4000mmH (5mm panels).

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HVP Security Shutters Ltd.
Roller Shutter Manufacture and Installation

Fireguard Fire-Resisting Roller Shutters

Fireguard fire shutters are designed to close automatically in the event of a fire. They are typically part of the overall building fire strategy. Their main purpose is to prevent or slow down the spread of fire. In addition, they can also be used as a security shutter. Test assessment for fire exposures of 1, 2 or 4 hours in accordance with BS EN 1634-1 and compliant with harmonised standard BS EN 16034:2014; also BS EN 13241-1:2003.

Key features

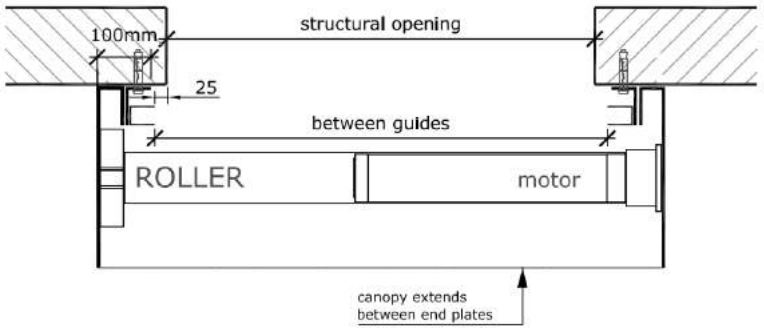
- Rated fire-resistance up to 4 hours
- Closes automatically in event of fire
- Can be powder-coated in most colours
- Also act as a security shutter

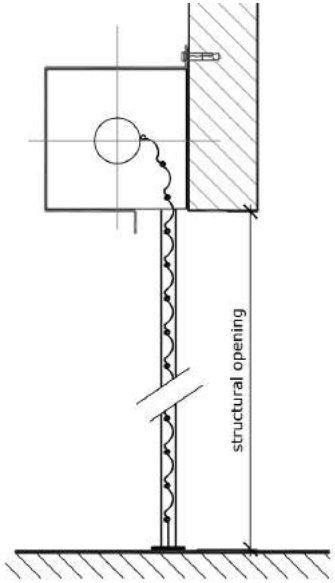
Suitable for

- Canteens and Serveries
- Commercial kitchens
- Escape corridors
- Stadiums
- Shopping centres
- Office blocks

1 to 4 hours of fire protection - Closes automatically in the event of fire

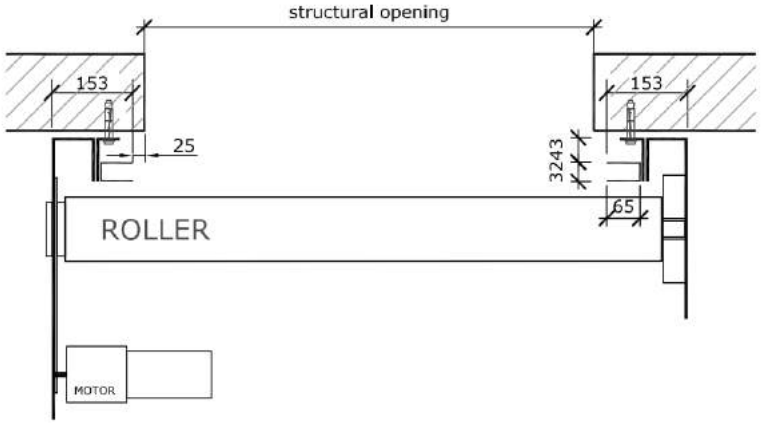
Technical specification

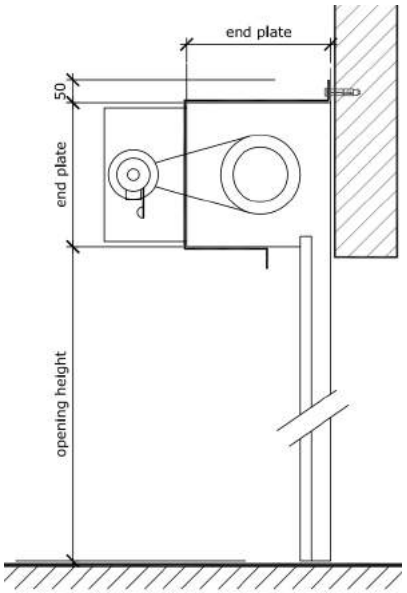




FS50 Tubular motor fire shutter (above)

FS75 Block motor fire shutter (below)





Fireguard Fire Resisting Roller Shutters

FS75 – fire rated 1, 2 or 4 hours

Construction:
Manufactured from 75mm curved galvanised steel lath. Galvanised steel T-section bottom rail; Galvanised mild steel guides 65mm u-section. Hood support bracket may be required, depending on fire rating, size, and weight (check with HVP).

Operation:
Electric operation external block motor available in 3 phase, 415 Volts, 50Hz, or 1 phase, 240 Volts, 50Hz. The shutter is driven by a geared electric motor, allowing the shutter to gravity-close in a fire situation (rate of descent approximately 100mm per second). Complete with emergency hand chain facility and push button starter. A safety brake is fitted when required to comply with BS EN 13241:2003-1.

Release mechanisms:
Generally by auto solenoid release, linked to the fire alarm. The solenoid requires a 24 Volt DC, 0.5 Amps signal. This is the most commonly used method of activation, allowing for frequent testing and re-setting. When the shutter is returned to the open position (after removal of the fire signal), the solenoid can be automatically reset. An optional fusible link or localised smoke/heat detector can be used as a backup to activate the shutter or as an alternative when a fire alarm signal is not available.

Finish:
Galvanised self-colour finish with one coat primer paint on end plates, angles and barrel; can be polyester powder coated to any RAL colour (subject to availability).

Maximum Sizes:
7000mmW x 5000mmH*
* Maximum width reduces according to height.

FS50 - fire rated 1 or 2 hours

Construction:
Manufactured from 75mm curved galvanised steel lath. Galvanised steel T-section bottom rail. Galvanised mild steel guides, 50mm or 65mm u-section depending on shutter size.

Operation:
Electric operation by single phase tubular motor. A safety brake is fitted when required to comply with BS EN 13241:2003-1.

Release mechanisms:
Generally linked to the fire alarm through a fire relay. Upon receipt of a Volt-free signal from the fire alarm, the shutter is powered down. The shutter requires a maintained power supply, and is supplied with a battery backup in case of mains power failure.

Finish:
Galvanised self-colour finish with one coat primer paint on end plates, angles and barrel; can be polyester powder coated to any RAL colour (subject to availability).

Size guide:
Minimum width: 800mmW overall endplates

Maximum Sizes: Up to 4800mmW and up to 3850mmH

For larger areas use the FS75 fire shutter.

More info on Fireguard FS75 and FS50: www.hvpshutters.co.uk/fireguard-roller-shutter.php
Detailed information on fire shutters in general: www.hvpshutters.co.uk/fire-shutters.php

We have done our best to ensure the information on this brochure is accurate. We do, however, reserve the right to change specification without prior notice.

Security Shutters Ltd.
Roller Shutter Manufacture and Installation

HVP75 Industrial Security Roller Shutter

The HVP75 is a strong roller shutter with a robust design that's built to last. It's most often used as a security roller shutter in an industrial setting such as warehouses, farm-buildings and factories.

The roller shutter's curtain is made from individual lath that can be easily replaced should it get damaged. This makes the HVP75 a very economic heavy-duty roller shutter, especially in the longer term.

- Optional wicket gate for pedestrian access.
- Optional insulation for increased weather protection.

Key features

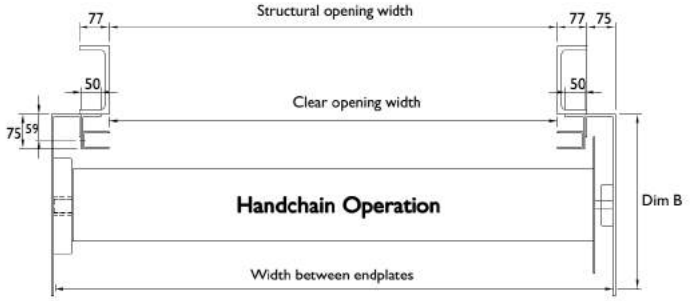
- Robust
- Economic
- Easy to maintain

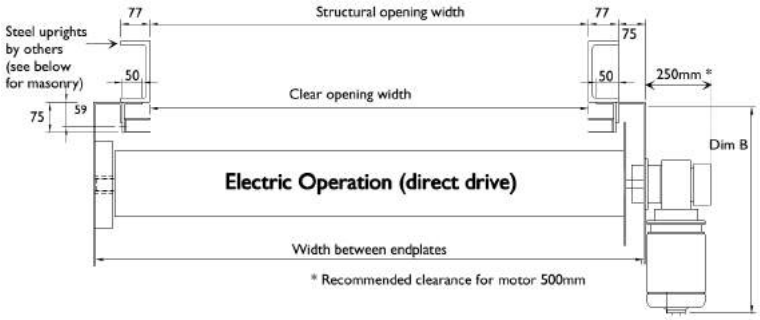
A strong, economic industrial roller shutter, with a design built to last

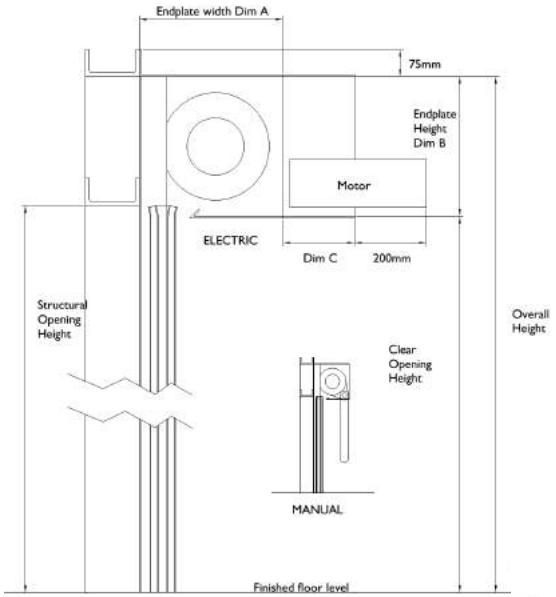
Suitable for

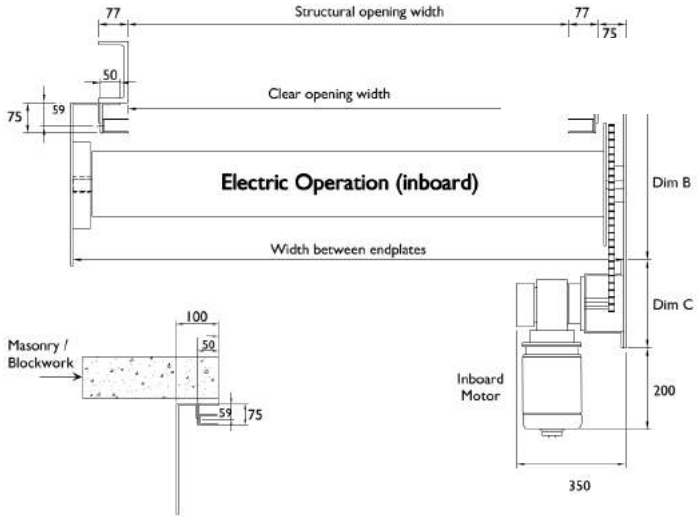
- Industrial units
- Warehouses
- Farm buildings
- Factories
- Loading bays
- Garages

Technical specification









HVP75 Industrial roller shutter

Industrial grade security roller shutter

Construction:
Manufactured from 75mm galvanised steel curved lath with a minimum thickness of 22swg increasing to 18swg depending on size. Manufactured to BS EN 10142 and 10143 with a zinc coating of 275g/m2 with hard wearing nylon or steel end locks. Galvanised guides - standard 65mm x 32mm x 3mm increasing to 95mm x 45mm x 3mm depending on size of opening. Galvanised bottom rail - cold-rolled T -section.

Operation:
Handchain operation; or electric operation by 3 phase motor with hand chain manual override and safety brake fitted as standard.

Locking Options:
Handchain shutters: chain locking cleat.
Electrically operated grilles are self-locking.

Finish:
Galvanised self-coloured, Polyester Powder Coated, or HP200 Plastisol.

Maximum Sizes:
- Hand Chain: 5000mmW x 5000mmH
  We recommend electric operation above these sizes
- Electric geared motor: 7250mmW x 7250mmH

We have done our best to ensure the information on this brochure is accurate. We do, however, reserve the right to change specification without prior notice.

HVP Security Shutters Ltd.
Roller Shutter Manufacture and Installation

K25 Aluminium Roller Shutter

K25 aluminium roller shutters are suitable for a wide variety of applications, from commercial to office to residential premises.

They roll up into a small box and have less visual impact than steel roller shutters. Moreover, K25 shutters are quiet in operation and require little maintenance.

Choose a solid lath for increased security or a punched/ perforated curtain to allow visibility and airflow through the shutter.

Also available in an insurance approved version.

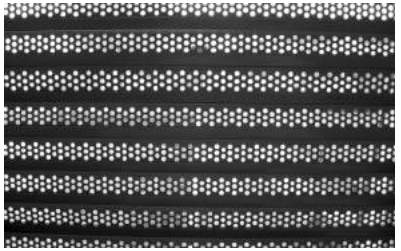
Key features

- Lightweight and strong
- Small and elegant
- Operate quietly

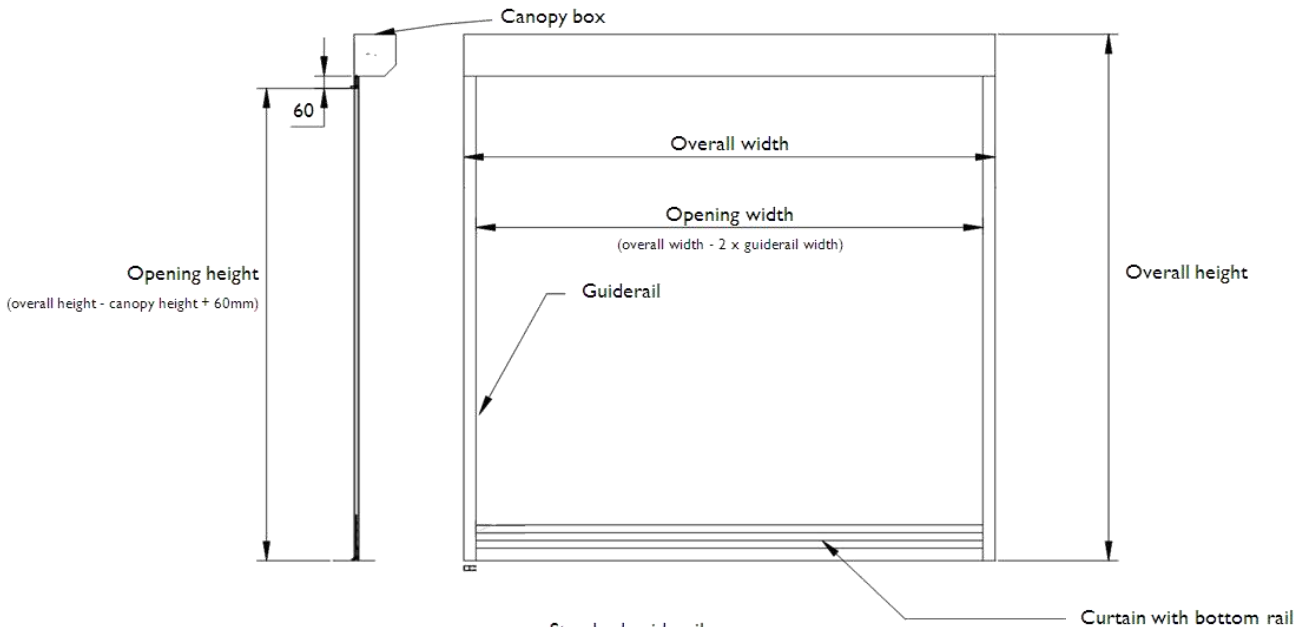
Neat, affordable aluminium shutters that require little maintenance

Suitable for

- Residential premises
- Bars, restaurants, hotels, reception areas
- Offices, day-centres, hospitals, schools
- Shopping malls, shops

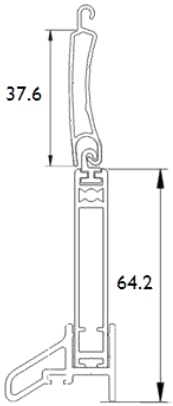


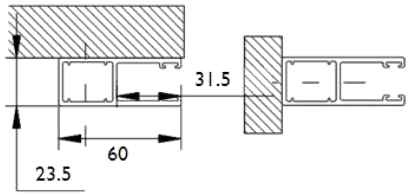
Technical specification



Standard guiderail

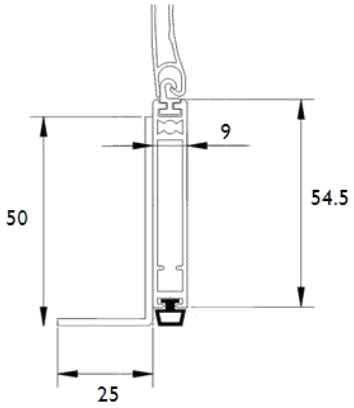
Slat and bottom rail with handle



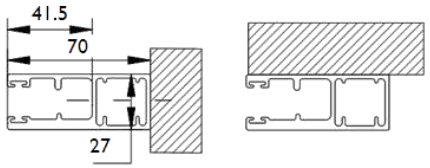


Face fix Reveal fix

Bottom rail with steel angle and seal
(used on security rated version)



Security-rated guiderail



Reveal fix Face fix

K25 Aluminium Roller Shutters

Extruded aluminium and lightweight foam-filled roller shutters.

Construction: Curtain manufactured from extruded aluminium lath profile (K25) or foam-filled aluminium lath profile (K-Lite); dimensions individual slats as follows:
- Double wall 38mm high x 9mm thick (K25 Standard and Security Rated),
- Single wall 40mm high x 8.7mm thick (K25 Vision).

Lath options:
- Lath with ventilation / light slots available on K-lite foam-filled and K25 Vision.
- K25 Vision shutters have punched or perforated lath and optional glazing.

Canopy: Roll formed aluminium in two sections; top and bottom boxes. Bottom box removable for installation and maintenance and chamfered at 45°. The shutter box is assembled on steel endplates.

Box size: Clear opening height (to underside of box):
1535mm, box size 165mm — 1820mm, box size 180mm
2595mm, box size 205mm — 3750mm, box size 250mm

Guiderails: Extruded aluminium guides with an integral box section for reinforcement and to facilitate fixing. Guiderails have high density 5mm pile brush seals for quiet and smooth operation. Guiderail dimensions as follows:
- 60mm wide x 24mm deep (K25 Standard and Vision),
- 70mm wide x 27mm deep (K25 Security Rated).

Operation: Manual push up/pull down operation; or electric operation by integral tubular motor with manual override facility. Safety brake fitted when required to comply with BS EN 13241:2003-1 (HVP Security Shutters' general policy is to fit a safety brake unless specified otherwise).

Locking Options: Electrically operated grilles are generally self-locking. For additional security HVP Security Shutters recommends guide pin locks or a ground padlocking unit combined with a motor isolator box.

Finish: Polyester Powder Coated White or Dark Brown as standard; limited range of other colours available for K-Lite. A full range of RAL colours is available for the K25. Box and guides white or dark brown as standard, or can be powder coated to match the curtain.

Maximum Sizes:
K25 Standard: 4000mmW x 5000mmH (recommended max. 9m^2 electric or 6m^2 manual)
K25 Security: 3000mmW x 4000mmH (recommended max. 9m^2 electric or 6m^2 manual)
K-Lite: 3000mmW x 3000mmH (recommended max. 6m^2)

Insurance Approved Version: Approval gained as a result of independent testing to Loss Prevention Standard (LPS) 1175 Security Rating Classification 1. Curtain with anti-vandal wind end-locks; Extruded aluminium bottom slat, reinforced with a steel angle; High security guiderails, reinforced with steel plates at the base; Additional locking with a lock in the bottom slat or a pair of bullet locks attached to the guide rails.

We have done our best to ensure the information on this brochure is accurate. We do, however, reserve the right to change specification without prior notice.

HVP Security Shutters Ltd.
Roller Shutter Manufacture and Installation

K77 & K55 Foam Filled Aluminium Shutter

K77 foam filled aluminium roller shutters are the ideal choice for openings with limited headroom, like garages, kiosks and receptions. They offer all the benefits of insulated shutters, but in a condensed design to help utilise as much space as possible.

The shutter consists of 77mm double skinned foam filled aluminium slat and gives a medium security level with insulation properties. It's a versatile shutter that can be used for a range of applications.

The K55 uses a 55mm slat and has an even smaller coil, so it's ideal when there is very little headroom.

Key features

- Lightweight and strong
- Rolls up into a small box
- Quiet operation

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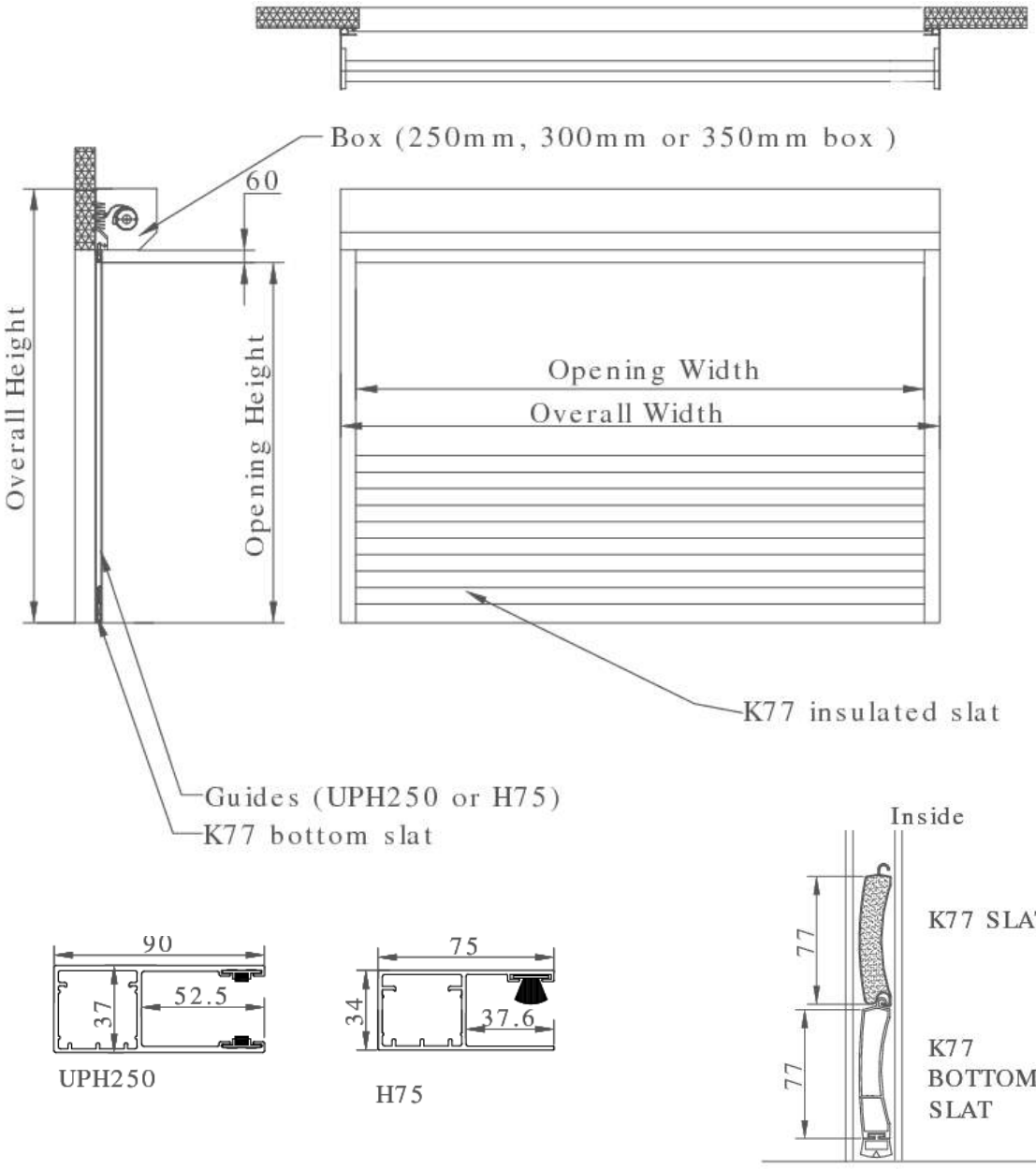
Suitable for

– Residential premises
– Offices, day-centres, hospitals, schools
– Shopping malls, shops
– Garage doors

Low maintenance insulated aluminium roller shutters

Technical specification



K77/K55 Foam Filled Roller Shutters

Double skinned 77mm or 55mm foam filled aluminium roller shutters.

Construction: Curtain manufactured from foam-filled aluminium lath profile 77mm high x 19mm thick (K77) or 55mm high x 13.5mm thick (K55). For applications that require light or vision to pass through the door, non insulated punched and glazed slats can be incorporated into the door curtain (K77 only).

Canopy: Roll formed aluminium in two sections; top and bottom boxes. Bottom box removable for installation and maintenance and chamfered at 45°. The shutter box is assembled on die cast aluminium endplates.

Box size: Clear opening height (to underside of box):

	K55	K77
205mm	1895mm	n/a
250mm	2850mm	1550mm
300mm	n/a	2600mm
350mm	n/a	3000mm

Guiderails: Extruded aluminium guides with an integral box section for reinforcement and to facilitate fixing. Double brush seals supplied in all guide channels, to eliminate draughts and assist in the smooth operation of the curtain.

Guiderail dimensions K77:
90mm wide x 37mm deep (standard)
75mm wide x 34mm deep (slim)

Guiderail dimensions K55:
75mm wide x 27mm deep (250mm box)
66mm wide x 27mm deep (205mm box)

Operation: Manual push up/pull down operation; or electric operation by integral tubular motor with manual override facility. Safety brake fitted when required to comply with BS EN 13241:2003-1 (HVP Security Shutters' general policy is to fit a safety brake unless specified otherwise).

Locking Options: Electrically operated grilles are generally self-locking. For additional security HVP Security Shutters recommends guide pin locks or a ground padlocking unit combined with a motor isolator box.

Finish: Polyester Powder Coated White or Dark Brown finish as standard to all exposed parts; range of other colours available, including textured woodgrain finishes.

Maximum Sizes:
5400mmW x 3000mmH (K77),
3000mmW x 2850mmH (K55)

We have done our best to ensure the information on this brochure is accurate. We do, however, reserve the right to change specification without prior notice.

Security Shutters Ltd.
Roller Shutter Manufacture and Installation

K90 Aluminium Roller Shutter

The K90 is a medium-weight roller shutter with a high level of visibility and ideally suited for protecting shop fronts, windows and entrances.

Manufactured from 89mm aluminium lath extruded section with 150 x 45mm cut-outs or 260mm x 45mm cutouts. The pattern of the cutouts can be either 'in line' or 'brick pattern' as standard and with or without polycarbonate strip inserts. The aluminium bottom rail is fitted with a full-width rubber weather strip and the aluminium guides are fitted with brush friction strips.

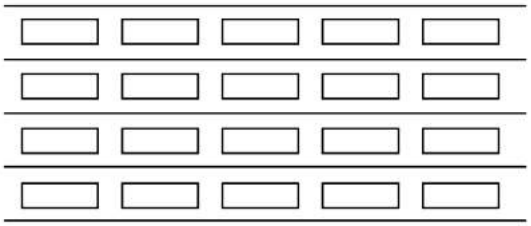
In shopping centres, the K90 roller shutter without polycarbonate inserts allows air to flow through the shutter, aiding ventilation. For high street shop-fronts the option with polycarbonate inserts is a good choice. The polycarbonate glass prevents objects being put through the shutter curtain and therefore gives a higher level of security.

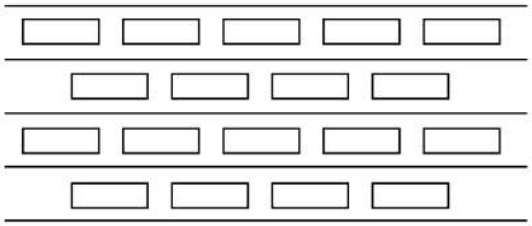
- **Open Area** up to 36% open area (takes into account solid side sections)
- **Polycarbonate inserts** for additional security

Suitable for

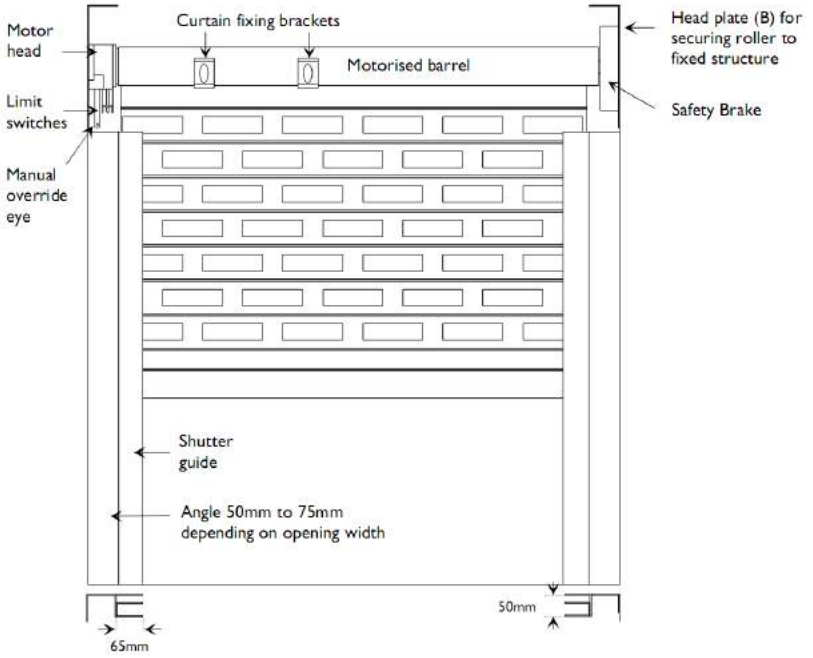
- High street shopfronts
- Shopping centres / Retail parks
- Airport retail
- Food halls

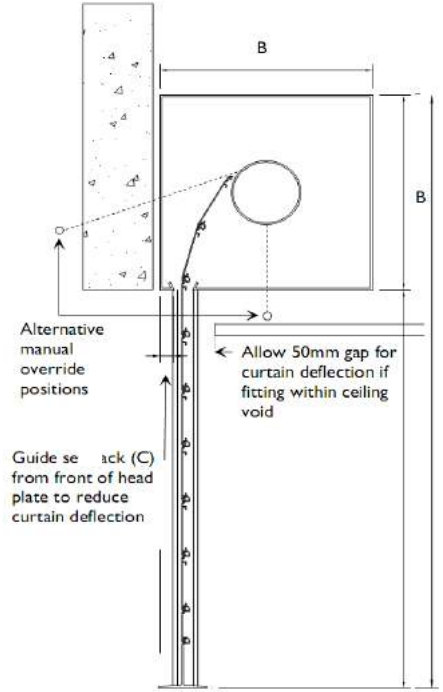
K90 with 260mm x 45mm punch-outs

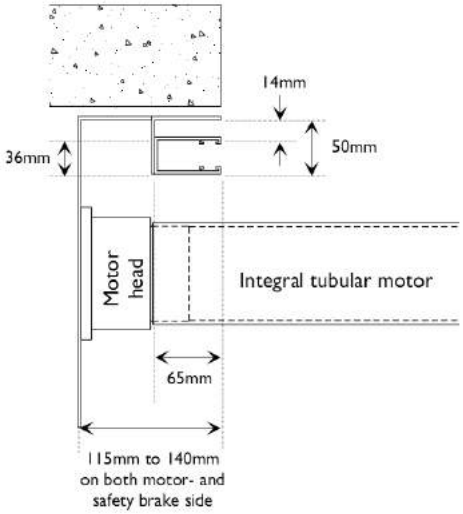

inline pattern

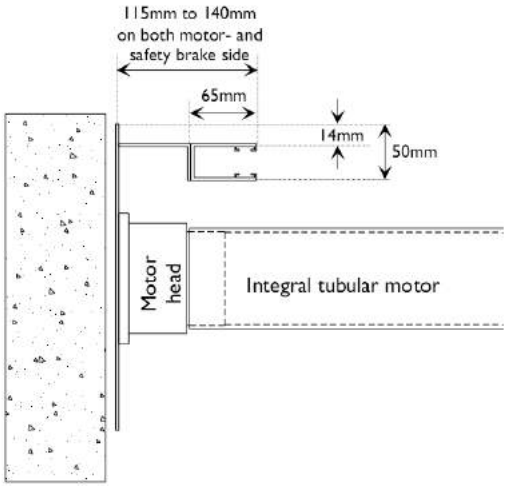

brickbond pattern

Technical specification









K90 Aluminium Roller Shutter

Punched aluminium security roller shutter.

Construction:
89mm aluminium lath extruded section.
Maximum width of shutter 6500mm.
Maximum height of shutter 4000mm.
Maximum total area of shutter 24 sq. mtr.
150 x 45mm cut-outs spaced at 50mm* intervals as standard.
Cutouts can be either 'in line' or 'brick pattern' as standard.
Bottom rail fitted with a full width rubber weather strip.
65mm aluminium guides fitted with brush friction strips.
Powder coat paint finish in a wide range of colours.
Optional polycarbonate glazing.
Optional 260mm x 45mm cutouts with 40mm spacing.
Optional guide pin locking or a bottom rail ground padlocking unit.
Optional canopy cover (note: standard for shutters with a height below 2500mm).

Available in electric operation only. An electrical tubular motor is fitted into the shutter's overhead barrel assembly. Protruding from the motor end of the barrel is a manual override eye, the electrical wire feed and a pair of limit switches to control the maximum travel distance of the shutter curtain. A safety brake is fitted when required to comply with BSEN13241-1:2003.

150mm x 45mm cutouts give an overall open area of approximately 31%.
260mm x 45mm cutouts give an overall open area of approximately 36%.

Box size:
Clear opening height (to underside of box):
2100mm, box size 305mm
3200mm, box size 355mm
4000mm, box size 405mm

Operation:
Manual push-up/pull-down operation or electric operation by internal tubular motor with manual override facility. Safety brake fitted when required to comply with BS EN 13241:2003-1 (HVP Security Shutters' general policy is to fit a safety brake unless stated otherwise).

Locking Options:
Electrically-operated shutters are generally self-locking. For additional security, the fitting of guide pin locks or a ground padlocking unit, combined with a motor isolator box is possible.

* figures quoted for spacing are only approximate as the measurements quoted will vary to allow for equal size cutouts over a given width.

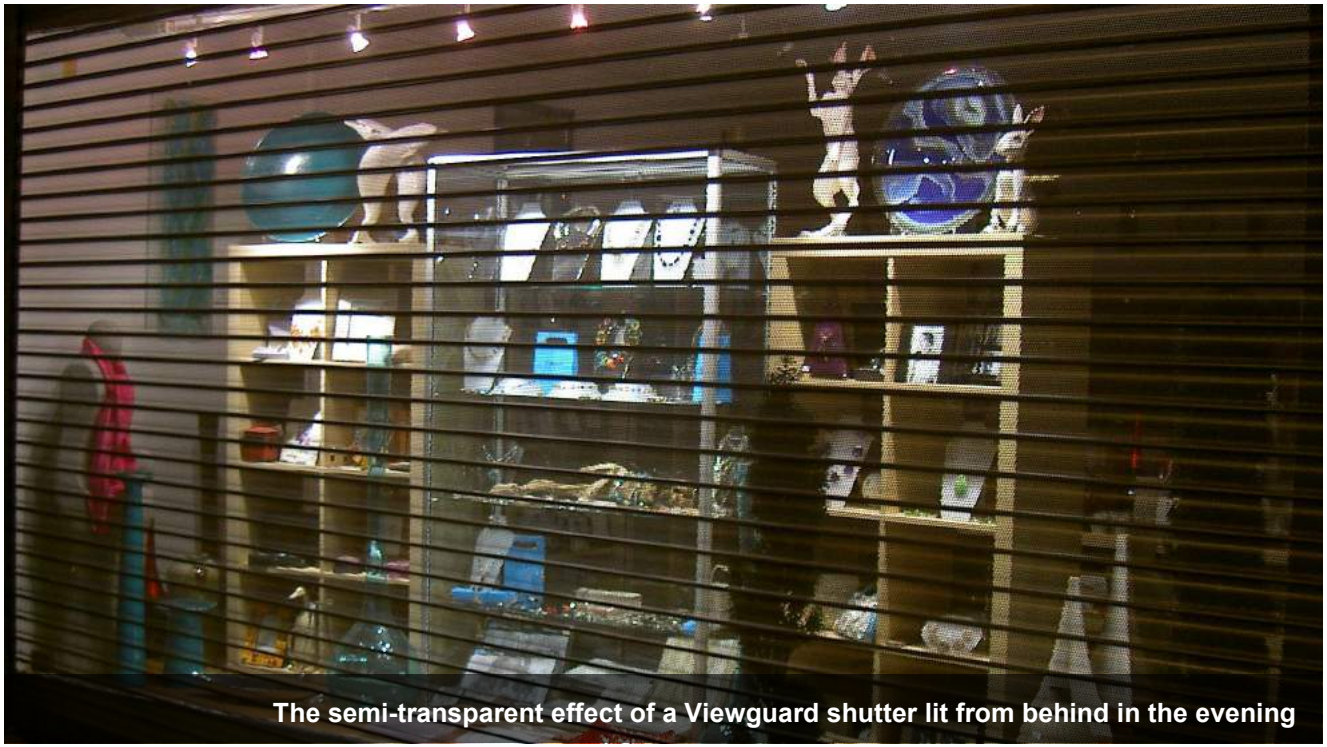
We have done our best to ensure the information on this brochure is accurate. We do, however, reserve the right to change specification without prior notice.

HVP Security Shutters Ltd.
Roller Shutter Manufacture and Installation

Screenguard & Viewguard Roller Shutters

The Screenguard and Viewguard are classic roller shutters, suitable for a wide range of applications. They are strong, cost-effective and versatile, with a tried and tested design.

The Screenguard is a solid roller shutter that provides a high level of security. The Viewguard uses a lath punched with a multitude of small holes, which creates a semi-transparent effect when lit from one side, and allows air to pass through.



The semi-transparent effect of a Viewguard shutter lit from behind in the evening

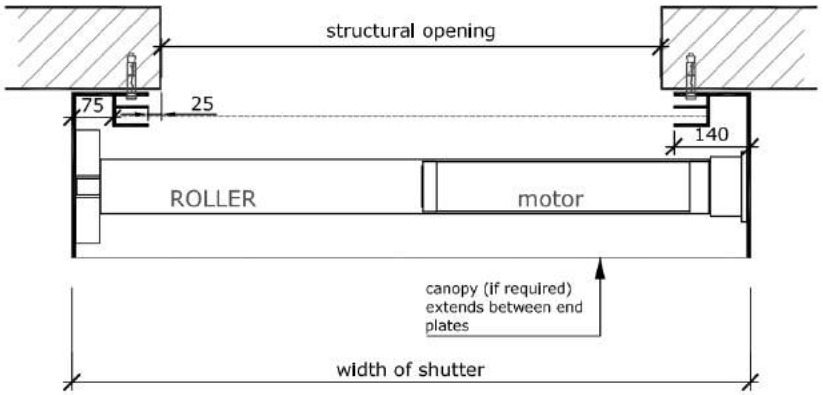
Key features

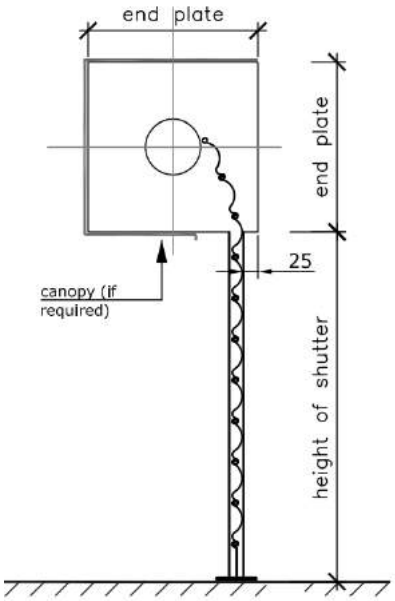
- Strong
- Cost-effective
- Semi-transparent effect (Viewguard)

Suitable for

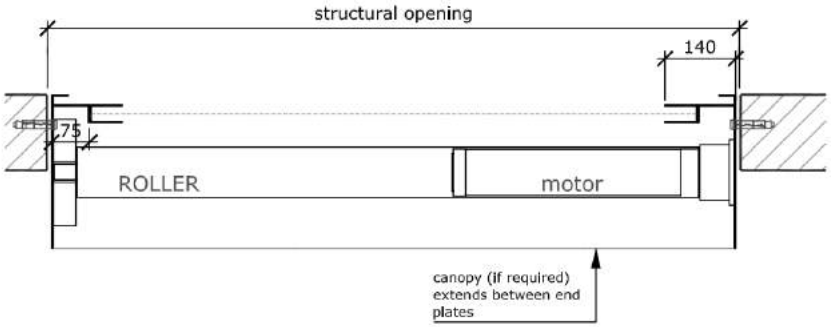
- Shop-fronts
- Offices and School Buildings
- Train-stations
- Stadiums
- Kiosks
- Airports and Service Stations

Technical specification





Face-fix (above) and reveal-fix (below)



Screenguard & Viewguard Shutters

Solid or perforated lath security roller shutters

Construction:
Manufactured from 75mm curved galvanised steel 20 or 22 gauge galvanised steel T-or L-section bottom rail.

Galvanised steel guides 10 gauge 65mm - 104mm x 33mm.

Viewguard shutters have 6mm round holes in the lath.

Operation:
Manual push up/pull down operation or electric operation by internal tubular motor with manual override facility. Safety brake fitted when required to comply with BS EN 13241:2003-1 (HVP Security Shutters' general policy is to fit a safety brake unless specified otherwise).

Canopy:
Optional galvanised steel folded canopy box for roller mechanism protection.

Box size:
Clear opening height (to underside of box):

Up to 2400mm, box size 305mm
Up to 3600mm, box size 355mm
Up to 4500mm, box size 405mm

Locking Options:
Bottom rail central key lock, Guide pin locks, or Ground padlocking system. Electrically operated grilles are generally self-locking. For additional security HVP Security Shutters recommends guide pin locks or a ground padlocking unit combined with a motor isolator box.

Finish:
Galvanised self-colour finish or Polyester Powder Coated to any RAL colour (some non-standard colours may increase the delivery time).

Maximum Sizes:
- Manual operation: 2500mmW x 2500mmH
- Electric operation: 6000mmW x 4500mmH

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HVP Security Shutters Ltd.
Roller Shutter Manufacture and Installation

SeceuroVision 800 Roller Shutter

The SeceuroVision 800 is a specialised security shutter designed for retail premises. It balances security with visibility. The shutter uses a see-through profile that lets through up to 65% of available light.

Designed with visibility in mind, the SeceuroVision 800 is an ideal roller shutter for shop front windows. With it's large amount of open space, merchandise stays clearly visible while the security shutter protects the shop.

A balance of security and visibility

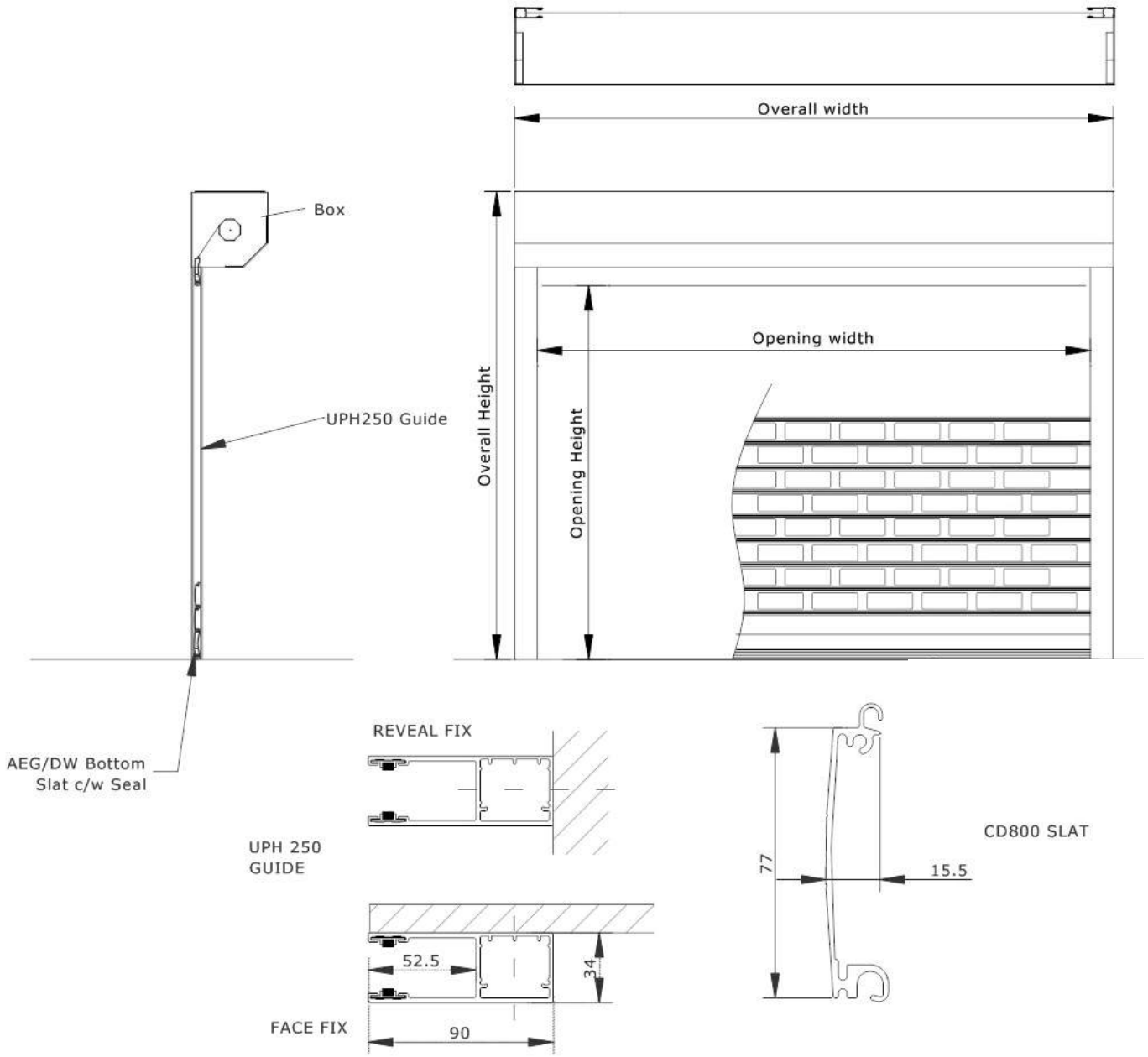
Key features

- Lightweight
- Strong design
- Let's through up to 65% of light

Suitable for

- Retail shopfronts
- Shopping centres
- Office windows
- Residential premises
- Horeca

Technical specification



SeceuroVision 800 Roller Shutter

Aluminium security shutters with large punch-outs for visibility.

Construction:
Manufactured from 80mm aluminium lath extruded section with 150 x 55mm cut-outs; Extruded aluminium bottom rail with optional bottom rail weather seal; Extruded aluminium guides 90mm wide x 34mm deep with an integral box section for reinforcement and to facilitate fixing. High density 4mm pile brush seals for quiet and smooth operation. Optional glazing comprising of 1.5mm thick polycarbonate glass strips.

Canopy (optional):
Roll formed aluminium in two sections; top and bottom boxes. Bottom box removable for installation and maintenance and chamfered at 45°. The shutterbox is assembled on die cast aluminium endplates.

Box size:
Clear opening height (to underside of box):

2150mm, box size 250mm
2900mm, box size 300mm

Guiderails:
Extruded aluminium with an integral box section for reinforcement and to facilitate fixing. With high density 4mm pile brush seals for quiet and smooth operation.

Guiderail size: 90mm wide x 34mm deep (UPH 250).

Operation:
Electric operation by internal tubular motor with manual override facility. Safety brake fitted when required to comply with BS EN 13241:2003-1 (HVP Security Shutters' general policy is to fit a safety brake unless specified otherwise).

Locking Options:
Electrically operated grilles are generally self-locking. For additional security HVP Security Shutters recommends guide pin locks or a ground padlocking unit combined with a motor isolator box.

Finish:
Polyester Powder Coated White or Dark Brown as standard. Complete shutter can be powder coated to any RAL colour (some non-standard colours may increase the delivery time).

Maximum Size:
6000mmW x 4500mmH

We have done our best to ensure the information on this brochure is accurate. We do, however, reserve the right to change specification without prior notice.

Security Shutters Ltd.
Roller Shutter Manufacture and Installation

SeceuroVision 900 Roller Grille

The SeceuroVision 900 is an aluminium roller grille that balances security with visibility. The shutter uses a see-through profile that lets through 55 - 69% of available light.

With such a high level of visibility, the grille is a popular choice for window displays of high street shop fronts and shopping centres. It's also very suitable as a light to medium security grille for offices and residential premises, as well as bars and reception desks.

Visibility and security elegantly combined

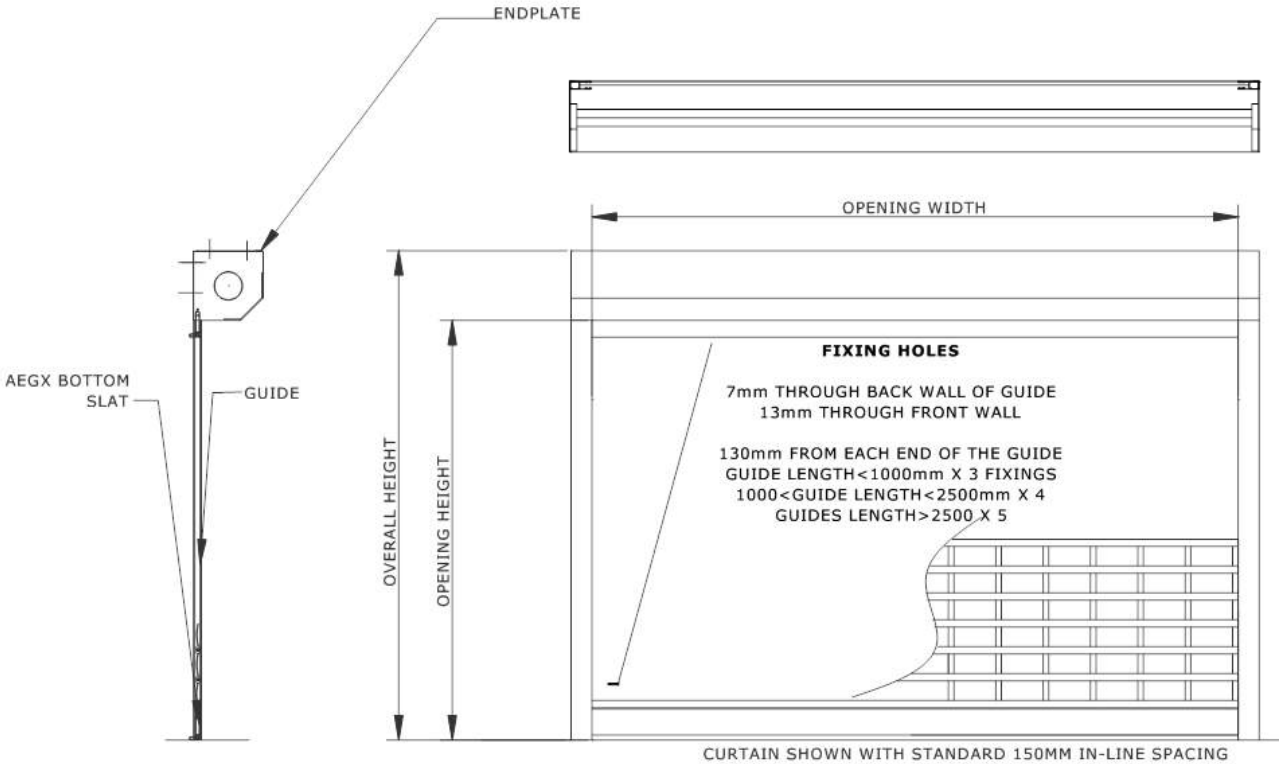
Key features

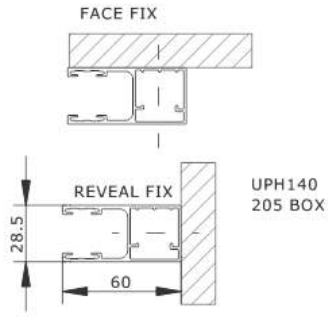
- Lightweight
- Strong design
- Let's through up to 69% of light

Suitable for

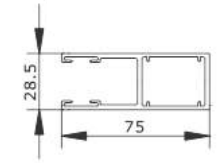
– Retail shopfronts
– Reception areas
– Office windows
– Counters and bars

Technical specification

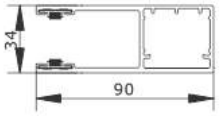




UPH140
205 BOX



UPH240
250,300 BOX



UPH250
>4M WIDE

GUIDES

SeceuroVision 900 Roller Grille

Open grille constructed of extruded aluminium bars links for optimum visibility.

Construction:
Manufactured from extruded aluminium bars and links with 150mm x 70mm vision openings as standard or optional 75mm x 70mm vision openings; Extruded aluminium bottom rail with optional bottom rail weather seal; Aluminium guides 60 to 90 mm wide and 27 to 34mm deep (depending on canopy box size) with high density 4mm or 7mm pile brush for quiet and smooth operation.

Canopy:
Roll formed aluminium in two sections; top and bottom boxes. Bottom box removable for installation and maintenance and chamfered at 45°. The shutterbox is assembled on die cast aluminium endplates.

Box size:
Clear opening height (to underside of box):

1400mm, box size 205mm
2350mm, box size 250mm
3600mm, box size 300mm

Guiderail dimensions:
Guiderail dimensions depend on box size as follows:

60mm wide x 27mm deep (205mm box only)
75mm wide x 27mm deep (250mm or 300mm box)
90mm wide x 34mm deep (250mm or 300mm box)

Operation:
Electric operation by internal tubular motor with manual override facility. Safety brake fitted when required to comply with BS EN 13241:2003-1 (HVP Security Shutters' general policy is to fit a safety brake unless specified otherwise).

Locking Options:
Electrically operated grilles are generally self-locking. For additional security HVP Security Shutters recommends guide pin locks or a ground padlocking unit combined with a motor isolator box.

Finish:
Anodised aluminium as standard. Complete shutter can be powder coated to any RAL colour (some non-standard colours may increase the delivery time).

Box and guides white or dark brown as standard, or can be powder coated to match the curtain.

Maximum Sizes:
5000mmW x 4500mmH (maximum area 13m2)

We have done our best to ensure the information on this brochure is accurate. We do, however, reserve the right to change specification without prior notice.

Security Shutters Ltd.
Roller Shutter Manufacture and Installation

Wooden Roller Shutters

HVP's wooden roller shutters are made from real timber and available in a wide range of woods to match the surroundings where they are installed.

They're reinforced with steel cables which makes them highly secure. Our timber roller shutters come in a sanded finish as standard, but can also be stained and/or lacquered to suit the interior into which they are installed.

Because our wooden roller shutters are made from real wood they need to stay dry and therefore are suitable only for indoor use.

Wooden roller shutters made from real timber

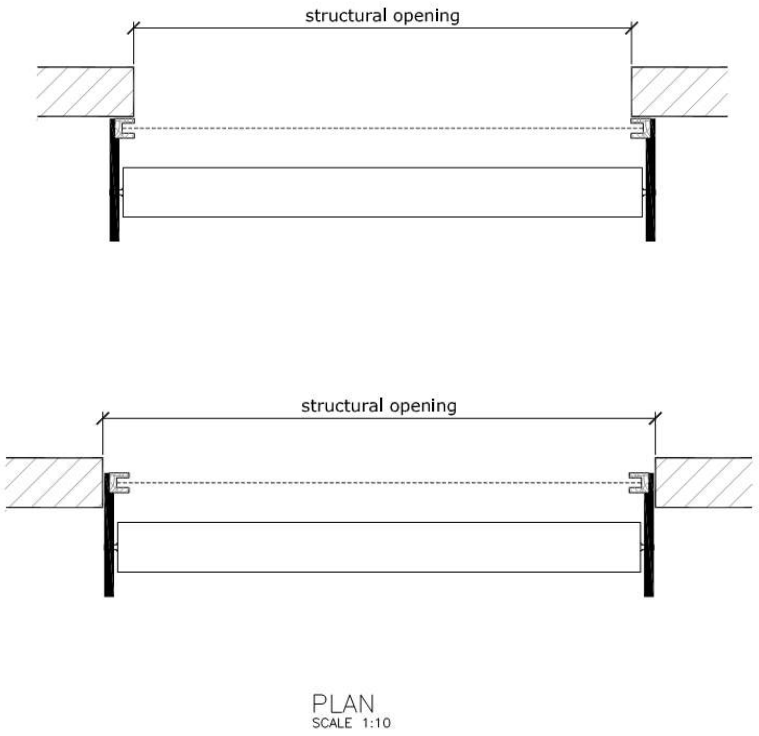
Key features

- Real timber
- Beautiful finish
- High security

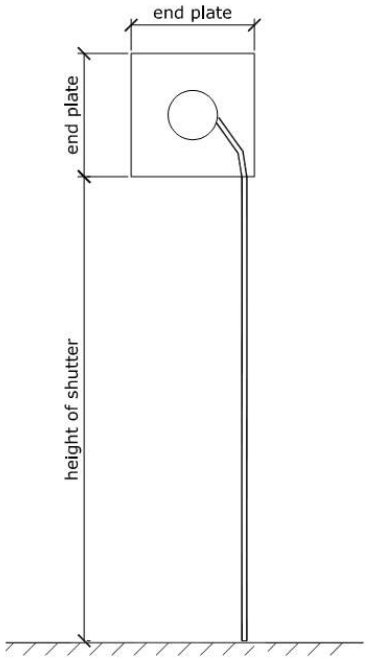
Suitable for

- Bars, receptions, serveries
- Domestic windows
- Hotels, churches, llibraries
- Council offices, universities, surgeries

Technical specification



PLAN
SCALE 1:10



ELEVATION
SCALE 1:10

Wooden Roller Shutters

Craftsman made roller shutter made from real wood

Construction: Manufactured from 40mm Ash / Oak / Beech / Mahogany substitute / Cherry / Walnut / Maple lath. Available in either solid version (T40) or as an open lath (T38). Side guides to be 50mm x 40mm and manufactured from the same wood as the shutter curtain.

Canopy: Optional canopy box manufactured from MDF with a veneered finish to match the shutter curtain.

Centre and corner posts: Made in matching wood. If they are removable, they are secured to counter tops with barrel bolts locating into flush-fitting spring-loaded retaining keeps.

Operation: Manual push up/pull down operation; or electric operation by integral tubular motor with manual override facility. Safety brake fitted when required to comply with BS EN 13241:2003-1 (HVP Security Shutters' general policy is to fit a safety brake unless specified otherwise).

Locking Options: Bottom rail central key lock.
Electrically operated grilles are generally self-locking.

Finish: Finish of curtain, guides, and bottom rail to be sanded, ready for finishing by others as standard. Complete shutter can be stained and varnished if required.

Maximum Sizes:
Manual: 1500mmW x 1500mmH
Electric: 3000mmW x 3000mmH

We have done our best to ensure the information on this brochure is accurate. We do, however, reserve the right to change specification without prior notice.

Sliding Folding Shutters

FlexiGlide

Sliding Folding Security Shutters

Horizontal folding shutter system - Slides in top track

No bottom track required - Great for curves

User friendly
Easy to maintain

Versatile
Unobtrusive

Spans wide openings
Elegant

Security solutions for:

Shopping Malls
Food Courts
Airports
Railway Stations

Banking Halls
Bars
Room Dividers
Medical Centres

Educational Centres
Reception Areas
Service Stations
Restaurants

FlexiGlide® Sliding Folding Shutters by HVP Security Shutters Ltd
HVP Security Shutters Ltd, 4 Grace Road West, Marsh Barton, Exeter, EX2 8PU, United Kingdom

www.flexiglide.co.uk
info@flexiglide.co.uk
Tel: +44 (0) 1392 270 218

Introduction

FlexiGlide Sliding Shutters are a flexible security solution for a large variety of openings. They are the best choice for wider openings, work very well in situations with limited headroom and are practically the only option for curves.

In this guide you will find:

- An overview of the benefits of FlexiGlide
- Technical information on the FlexiGlide range of sliding shutters
- Sample layouts
- Options for mounting the top track
- Details of locking posts
- A description of the model types you can choose from
- Technical drawings
- Specification texts

FlexiGlide Sliding Shutters will fit almost anywhere. Here, a long FlexiGlide Classic Chainlink Sliding Shutter with a custom curve is installed below a suspended ceiling.

You will also find most of this information on www.flexiglide.co.uk from where you can also download a range of CAD-drawings and specification texts.

If you require any further information, please phone us on **+44 (0) 1392 270 218** or send an email to info@flexiglide.co.uk

We are always happy to answer any questions you may have.

Please note: E&OE. We've done our best to ensure the information in this brochure is up to date and correct. However, there may be errors in the information we provide and any information is subject to change without notice.

Benefits of FlexiGlide sliding shutters

FlexiGlide sliding shutters have a number of benefits over conventional roller shutters. They are versatile, elegant, refreshingly different, easy to maintain, work without a motor, and are user friendly.

- **Versatile**
  Usually fit anywhere a roller shutter fits and in many places where a roller shutter won't, such as:
  - **areas with very limited headroom**
  - **very wide openings**
  - **curved openings**

- **Elegant**
  Built from strong but lightweight aluminium framework, their simple and effective design makes sliding shutters a very elegant alternative to traditional roller shutters. Infill panels are available in perforated steel, slotted aluminium, polycarbonate and solid aluminium. Open grille arrangements are also available.

- **Refreshingly different**
  A fresh appearance in a world dominated by vertical roller shutters.

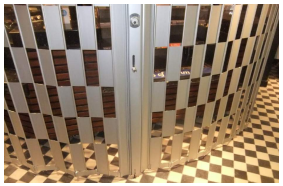
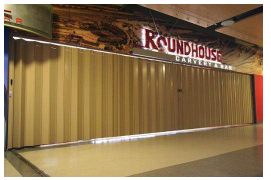
- **Easy to maintain**
  A minimum amount of parts, so very easy to maintain, saving you both time and expense.

- **No motor needed**
  Manually-operated, no matter what size they are. Without electrics, site preparation is easier and safety is increased.

- **User friendly**
  A very neat and straightforward security solution that can be used by almost anyone with minimal training.

A Vision Glass surrounds a servery counter. The clear polycarbonate panels allow the area to be secure, and still allow excellent visibility.

A Vision Guard surrounds a counter but only drops to conter height.

	FlexiGlide **Classic Chainlink**	FlexiGlide **Barrier**	FlexiGlide **Vision Guard**	FlexiGlide **Vision Air**	FlexiGlide **Vision Glass**	FlexiGlide **Protector**
						
Curtain type	Vertical aluminium rods connected by horizontal aluminium spacers	Vertical aluminium rods connected by aluminium plates	Open aluminium panels with vertical aluminium rods and horizontal aluminium spacer plates	Aluminium framed curtain with infill panels punched with round or oblong holes	Aluminium framed curtain with polycarbonate glass infill panels	Curtain made from solid aluminium panels
Main features	Cost-effective, lightweight, very open,	Variety of patterns, good balance between security, openness and weight	Higher level of security, open structure with good visibility and open area	Excellent security, good visibility when lit from behind, airflow	Excellent security and visibility	Maximum security and privacy
Price	£	£	££	£££	£££	££
Security						
Weight (Indication only)	6 kg/m²	7.3 kg/m²	7.3 kg/m²	10.7 kg/m² (aluminium) 11.2 kg/m² (steel)	10.7 kg/m² (polycarbonate)	12 kg/m²
Visibility	+++	++	++	+	+++	-
Privacy	-	+	-	++	-	+++
Colours	Clear anodised only	Clear anodised. Duracron white or black. Light or medium bronze	Standard: clear anodised, Duracron white or black. Optional: large RAL range of colours	Standard: clear anodised, Duracron white or black. Optional: large RAL range of colours	Standard: clear anodised, Duracron white or black. Optional: large RAL range of colours	Standard: clear anodised, Duracron white or black. Optional: large RAL range of colours
Notes		Variety of patterns available	Variety of patterns available	Steel panel for round holes. Aluminium panel for oblong holes	With polycarbonate glass as standard	Zero visibility

FlexiGlide® Sliding Folding Shutters by HVP Security Shutters Ltd.

Tel: +44 (0) 1392 270 218 Email: info@flexiglide.co.uk Web: www.flexiglide.co.uk

HVP Security Shutters Ltd, 4 Grace Road West, Marsh Barton, Exeter, EX2 8PU, United Kingdom

FlexiGlide model types

Classic Chainlink

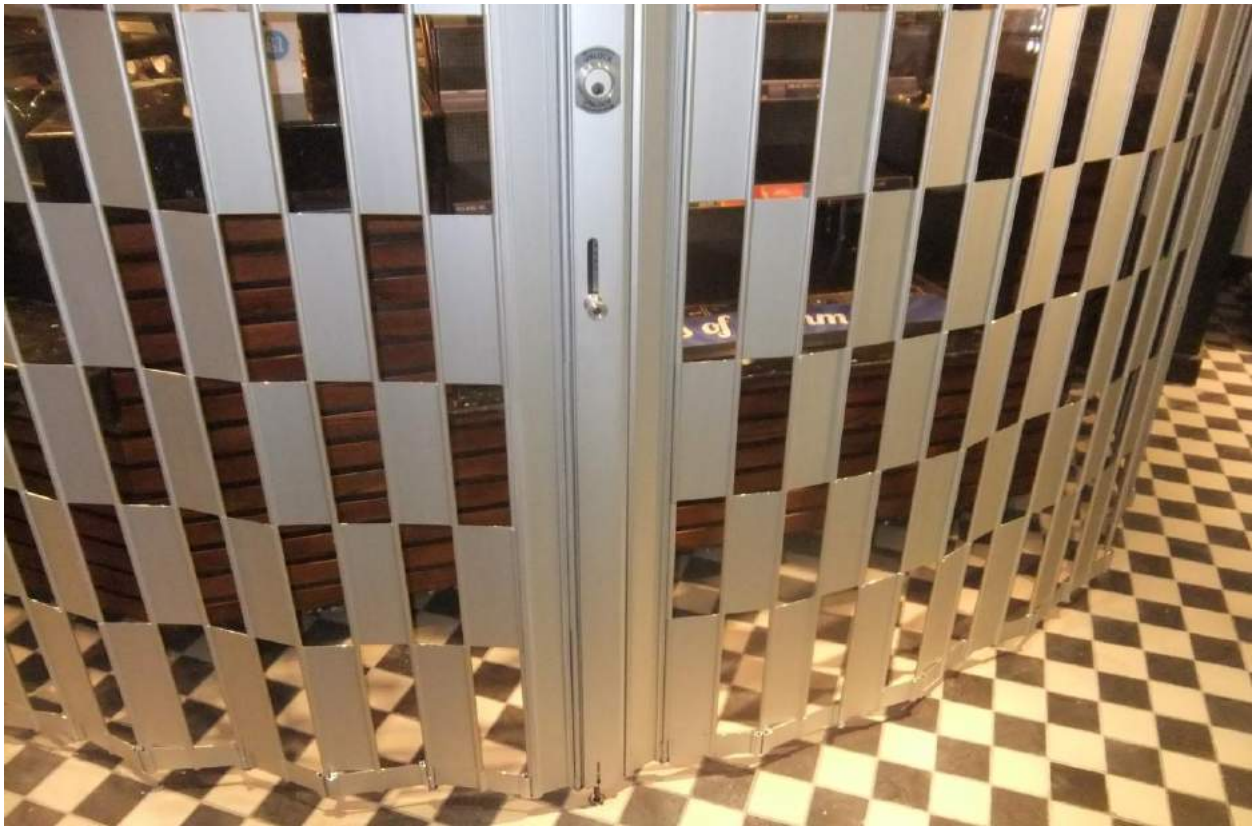
Economical and lightweight

The most economical and lightweight aluminium sliding shutter; the design and specifications is ideal for shopping centres where maximum openness is required. For smaller openings such as serveries and reception counters, the Vision Guard is recommended. For weights and specifications see pages 3 and 18.

Barrier

Security and airflow, combined with attractive patterns

A large range of patterns and great for closing off food and drink counters and often used in behind-glass applications. Secure yet open enough to allow air to circulate through. (Available in a range of patterns, see page 10.)



Vision Guard

Open space with a higher level of security

The Vision Guard is a tough, open style shutter that provides a higher level of security while keeping a sense of open space. Stronger than the Classic Chainlink it is ideal for retail areas in shopping malls, airports and other covered spaces. It is also a preferred choice for servery counters, reception desks, etc.

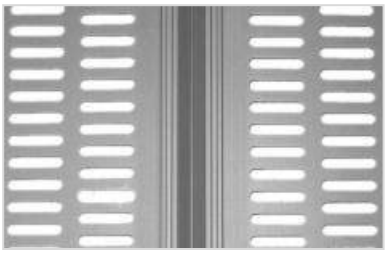
Vision Air

Protection, airflow and visibility

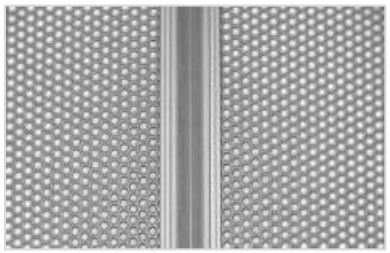
The original aluminium panel with oblong slots (VAA) retains its unique extruded design, having "T" shaped edges that fit into special channels to prevent them being punched out by intruders. This product is now also offered with perforated steel panels (VAS) instead of aluminium. These panels do not have the unique "T" shaped edges giving additional security but still give a secure solution at a lower cost.

Vision Air Aluminium - panels are perforated by 6mm x 32mm oblong slots in evenly spaced columns and staggered rows

Vision Air Steel. Panels are perforated with 4mm diameter holes in a staggered pattern.



Vision Air Aluminium VAA



Vision Air Steel VAS

Vision Glass

Maximum visibility with polycarbonate security

Aluminium frame with clear 3mm polycarbonate glass inserts gives an unobstructed view, while providing a protective barrier against theft and intrusion.

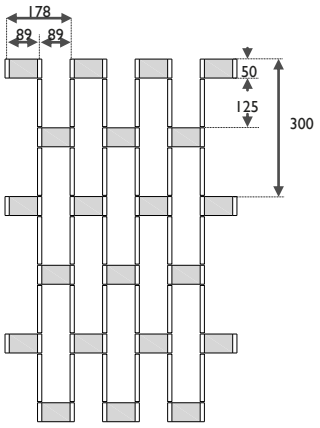
Protector

Maximum security protection

Full-height solid aluminium panels provide maximum security protection along with absolute privacy.

Pattern options for the Barrier system see picture on page 5.

The **Barrier sliding shutter** is available in a number of patterns as shown below.



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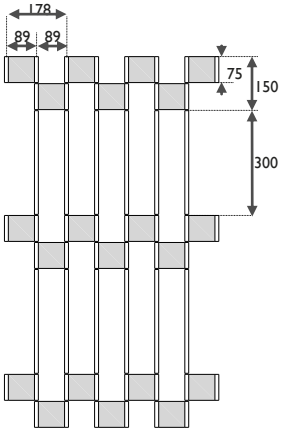

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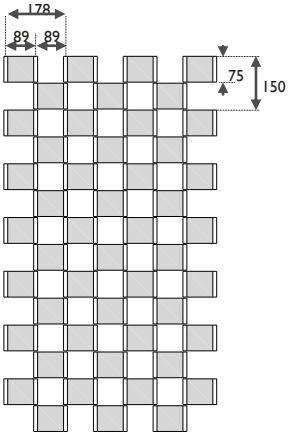

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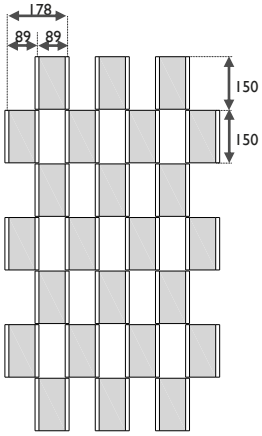

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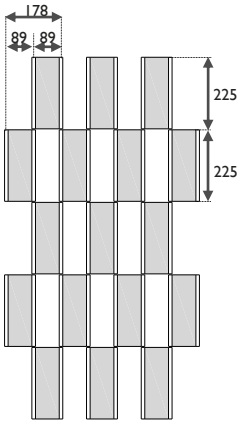

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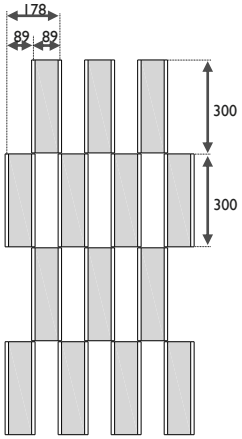

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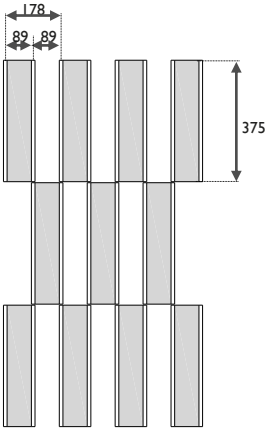

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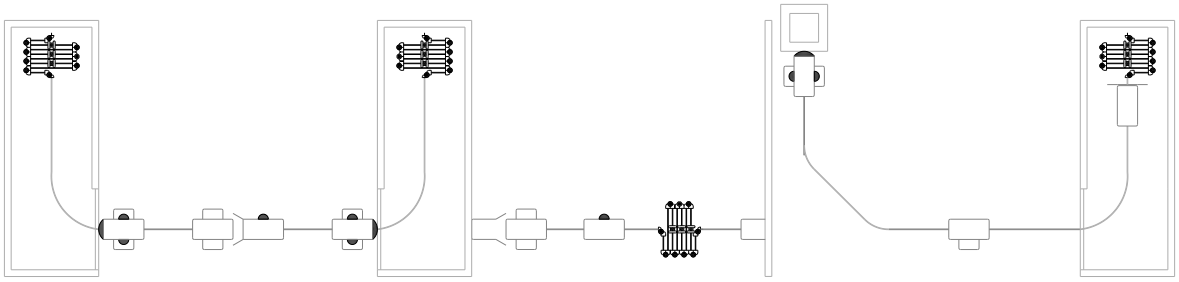
Sample layouts

FlexiGlide sliding shutters fit virtually any curve and thus allow endless creativity. More complicated layouts can be achieved using a special radius curve.

Please contact FlexiGlide should you require help designing a layout that works.

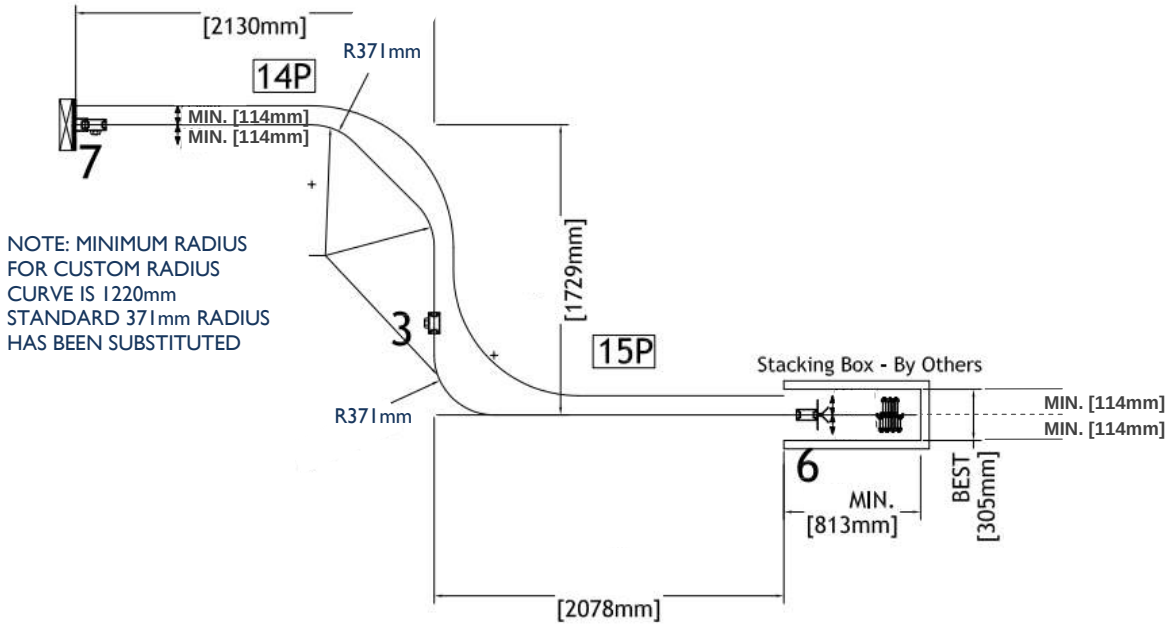


Bi-parting with stacks on both sides

Simple straight arrangement with stack left visible

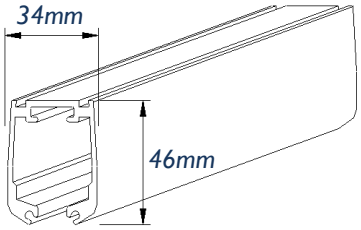
Stacking to one side with stack in custom built box

Working drawing of an arrangement with custom curves combined with a straight section



High quality components

- ***Heavy duty top track system for smooth operation***
  The FlexiGlide top track system is of a heavy-duty construction. This extends the life of the rollers and shutter and makes them very smooth to operate.



- ***High strength hangers***
  FlexiGlide posts are suspended from high strength, cold-rolled steel hangers that are highly resistant to metal fatigue.

- ***Strong aluminium locking knobs***
  FlexiGlide uses heavy-duty aluminium instead of plastic in its locking knobs.

- ***Padded lead and end posts***
  FlexiGlide' s lead and end posts have special softly padded astragals that prevent damage to adjacent finished surfaces such as glass or mirror pocket doors and columns.

- ***Unique self-adjusting ratchet mechanism***
  The locking posts have a unique self-adjusting locking rod with six different positions of adjustment to allow for deflections in bulkheads and irregularities in floors.

- ***Polished stainless steel floor sockets***
  Floor sockets are manufactured from polished stainless steel and contain a dust cap that protects the spring mechanism underneath.

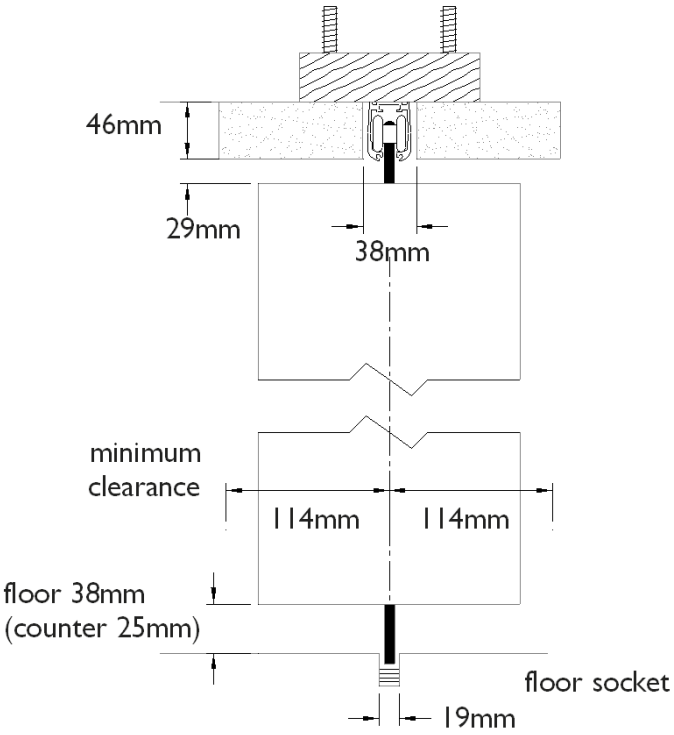
Note: Post components are exposed for illustrative purposes only

Track Mounting Options

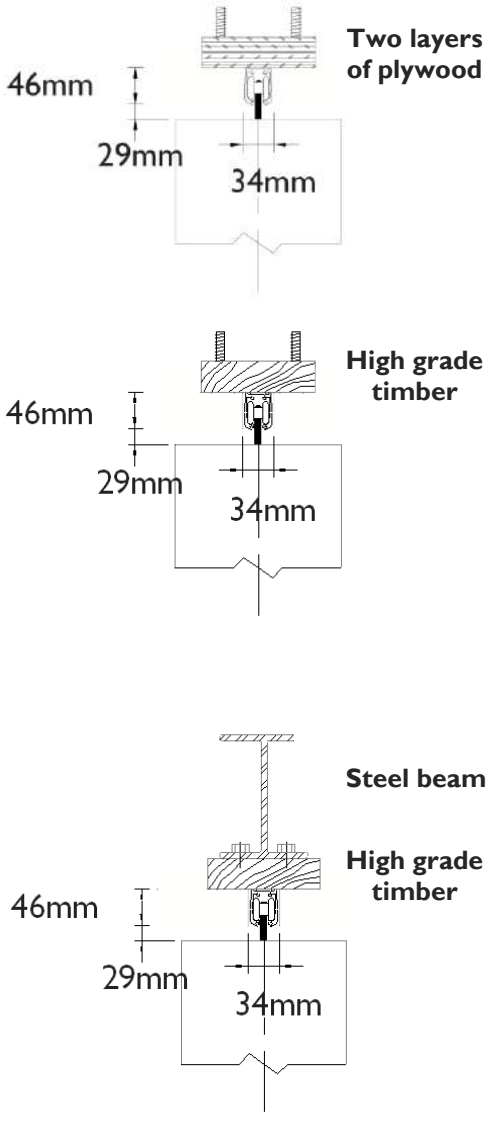
FlexiGlide sliding shutters are top-hung from an aluminium track. The track is screwed onto the ceiling structure and can either be recessed or left visible.

Note: standard screw length is 65mm and the structure above must be able to accommodate this.

Recessed top track



Fixing FlexiGlide top track to different types of structure.



IMPORTANT

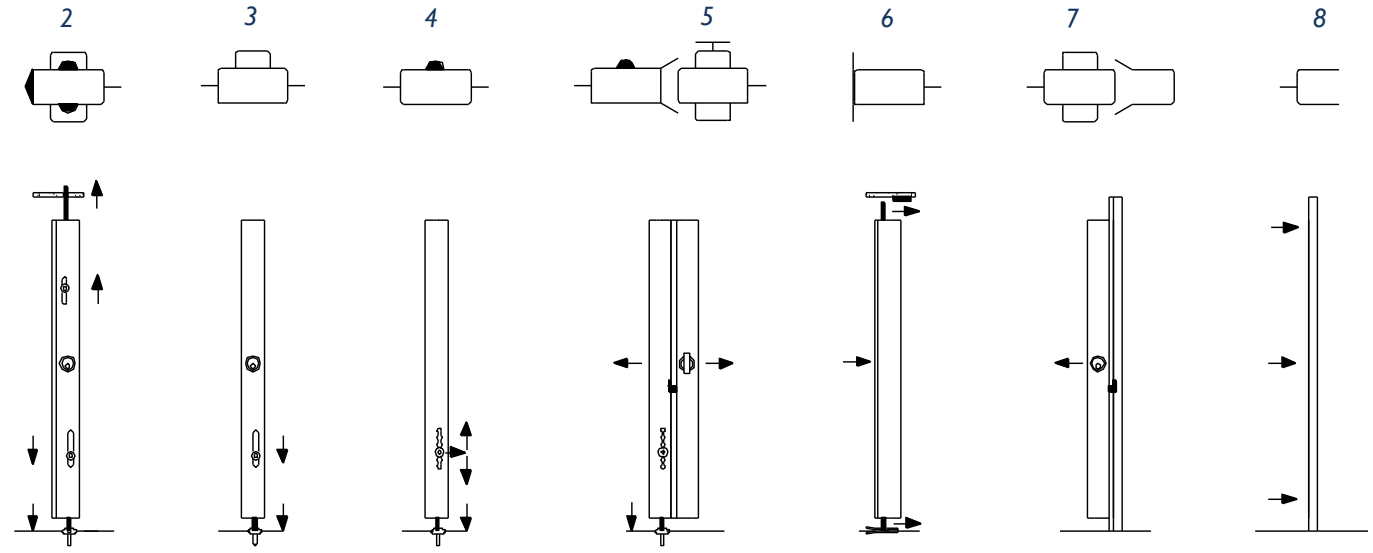
The shutter support must be structurally capable to carry the **entire weight** of a **fully stacked shutter** at **any point** along its length. Timber must be of a high quality grade and capable of supporting 65mm long screws.

Locking posts

Depending on the width of the opening, FlexiGlide sliding shutters come with a number of locking posts. For maximum security and ease of use, these posts are integral to the shutter and slide along with the curtain. There are different types of locking posts for different layouts and situations.

Depending on the level of security required, FlexiGlide shutters lock with a key, shoot bolts, hook bolts or a combination of these. The diagram below shows all available types of posts and locking mechanisms.

FlexiGlide locking posts incorporate a unique ratchet mechanism that ensures the shutter closes securely, even on uneven surfaces. This ratchet mechanism allows for small deflections in bulkheads and irregularities in floors.



No. 2 post

Top & Bottom Locking End

No. 3 post

Bottom Locking Intermediate Cylinder Control

No. 4 post

Bottom Locking Intermediate Spring Lock

No. 5 post

Bi-part Hook bolt into Bottom Locking Striker

No. 6 post

Self Locking. - with V-plate on floor and top track which catches hook on end post

No. 7 post

Hook bolt and Wall Striker

No. 8 post

Fixed End

Locking options explained

Every FlexiGlide shutter has a lead post and an end post. Usually they also have a number of intermediate posts, depending on the length of the shutter. A wider opening requires a longer shutter with more intermediate posts.

Intermediate posts - Locking posts designed to provide additional strength and locking at regular intervals along the shutter's length. Intermediate posts are placed at maximum intervals of 3000mm in floor mounted conditions and 1800mm in counter-mounted conditions.

- **Post #3**: A bottom locking intermediate post with a manually operated drop-bolt spring-locking mechanism plus cylinder lock.

- **Post #4**: A bottom locking intermediate post with a manually operated drop-bolt spring-locking mechanism.

- **Post #5**: Special locking post used for bi-parting sliding shutter assemblies. One lock member retains a hook bolt deadlock activated by keyed cylinder or thumb-turn cylinder. A second intermediate locking member locks with a steel floor bolt and includes a full-height channel to accept the hook bolt deadlock.

Lead / end posts - The outer posts of the sliding shutter, used to lock the shutter against the sides of the opening (typically the wall).

- **Post #2**: A top and bottom locking lead/end post activated by a keyed cylinder or thumb turn. This post has a heavy-duty rubber strip at its edge to prevent damage to the surface it locks against. Can be used as both lead and end post.

- **Post #6**: A Trailing end post with an attached full-height protection plate. This post self-locks into a steel V-stop mounted to the floor or counter inside the shutter's storage pocket.

- **Post #7**: A lead/end post with a concealed hook bolt lock activated by a keyed cylinder or thumb turn that engages a full-height wall channel. Can be used as both lead and end post.

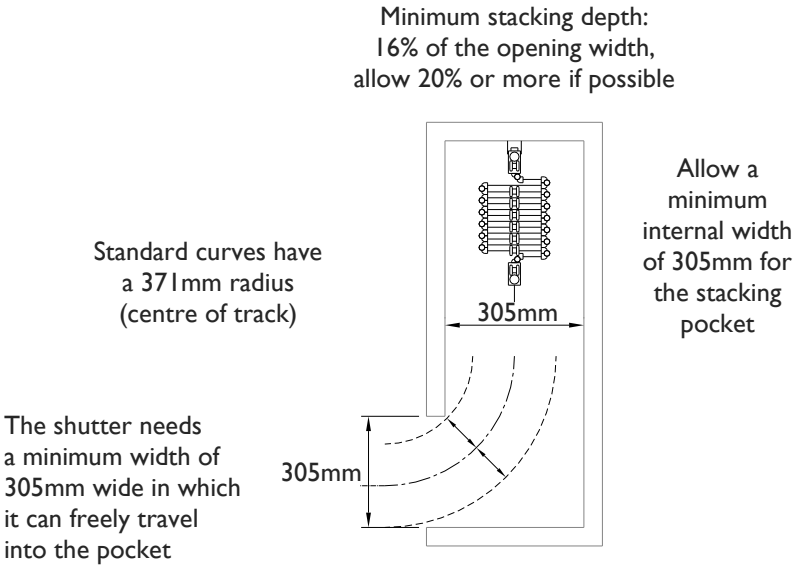
- **Post #8**: A fixed end post. This post is fixed to the wall at the folding end of the shutter. Typically in situations where there is no pocket for the shutter to fold into.

Distances and dimensions

The diagrams below show some of the standard distances and dimensions that apply to FlexiGlide siding shutter installations.

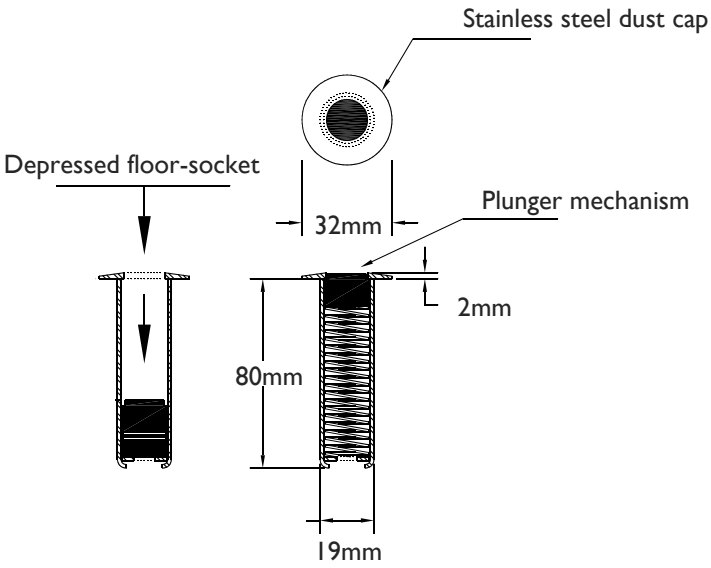
The open shutter is stacked to either one or two sides, where it can be folded away completely, leaving the opening totally free.

Without a bottom track, guide rails, or overhead barrel assembly these shutters need very little space to install. They can be installed as a straight run or in a curve.



Floor sockets are drilled into the floor and closed off by a stainless steel dust cap that protects the spring mechanism underneath. The dust cap is bevelled and protrudes only 2mm from the floor surface.

A gap of 38mm between the underside of the shutter and the floor allows the shutter to move over irregularities. On counter-top installations this gap is 25mm.



Technical specification

Arrangement: Horizontally-operated top-hung sliding folding shutter.

Track: The overhead track is 34mm wide x 46mm high and takes 29mm diameter roller trolleys. The rollers bear on a 7mm thick aluminium surface within the track. Track curves, where indicated, have a 254mm or 371mm radius. A custom radius track is also available as an option.

Operation: Push or pull, manual operation.

Locking Options: The shutter incorporates vertical posts at regular intervals, fabricated from rectangular hollow-section aluminium with a dimension of 33mm x 62mm. Posts fitted with floor bolts include a, spring-capped floor socket. Lead and trailing end posts are fitted with cylinder controlled lock stiles with self-adjusting cold-rolled steel floor and top track bolts. Bi-parting curtain assemblies are supplied with a hook bolt deadlock activated by keyed or thumb-turn cylinders. The associated slam post is fitted with a steel floor bolt and includes a full-height channel to accept the hook bolt deadlock.

Finish as delivered: Standard factory finishes are anodised natural*, white or black Duracron acrylic paint. At an additional cost, the complete shutter can be powder coated in a wide range of RAL colours.

* Please note that the Classic Chainlink is only available in Anodised natural.

Stacking: Minimum stacking is 87.5mm/metre of opening plus 89mm per locking member. The shutter support must be able to carry the weight of a fully stacked door at any point along its length.

See page 19 for curtain construction and weight.

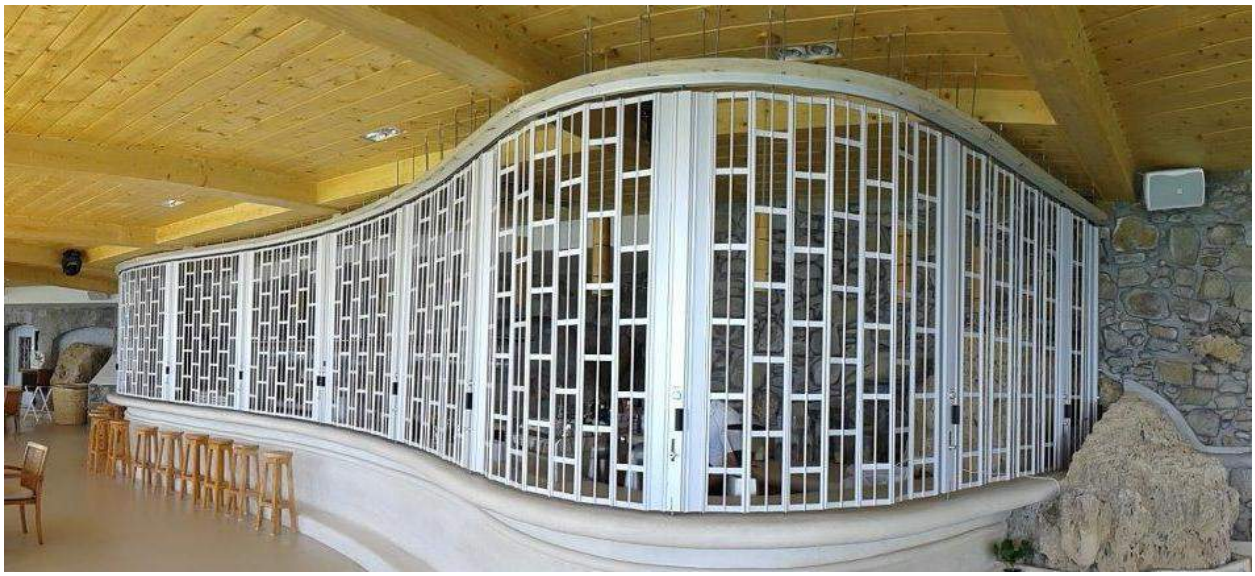
Curtain construction and weight

Please note: Weights shown below are an indication only as they will vary depending on the overall size of the shutter.

Model	Curtain construction	Shutter weight (approximate)
Classic Chainlink:	Manufactured using 53mm x 2mm high truss-like plates at the top and bottom of the closure. Constructed from 8mm diameter vertical rods at 89mm centres linked by flat horizontal bars of 3mm x 16mm x 197mm. The bars are vertically spaced every 305mm with 11mm diameter sleeves over alternating rods.	6 kg/m^2
Barrier:	The Barrier incorporates 102mm wide x 1.5mm thick aluminium plates that slide over 8mm rods on 89mm centres in an alternating pattern. There are 7 styles available - please refer to page 6 for details.	7.3 kg/m^2
Vision Guard:	Constructed from 152mm wide x 19mm high truss-like horizontal members spaced at 305mm vertical intervals. The panel centreline consists of 11mm diameter tubing over a full-height, concealed 8mm diameter rod. The panels are framed on 178mm centres.	7.3 kg/m^2
Vision Air:	Constructed from 152mm wide x 2mm thick full-height aluminium panels. The panels are framed by full-height butt hinges at 178mm centres. There are two panels available: ▪ Aluminium slotted panels: 1.2 mm thick aluminium, perforated by 6mm x 32mm oblong slots in evenly spaced columns and staggered rows. Extruded profile for added security. ▪ Steel panels: 1.2mm steel, perforated with 4 mm diameter holes in a staggered pattern, with 102mm high solid aluminium plates at the top and bottom of the closure.	10.7 kg/m^2 (aluminium) 11.2 kg/m^2 (steel)
Vision Glass: Polycarbonate	The aluminium panels are framed by full-height butt hinges at 178mm centres and fitted with 102mm high solid aluminium plates at the top and bottom of the closure. 153mm wide by 3.0mm thick self-extinguishing polycarbonate panels protected by co-extruded neoprene and PVC gaskets.	12.3 kg/m^2 (
Protector:	Constructed from 152mm wide by 1.83mm thick full-height aluminium panels, framed by full-height butt hinges at 178mm centres.	12 kg/m^2

Open and closed

The customer felt in this instance that the building of a shutter housing would not be in keeping with the overall appearance.



Open and closed

Dual height Installations

Reception counters with dual heights – bi-parting and joining together at a given point by various locking options, or a single curtain arrangement with the lower section leading the higher section.

Full range of **roller shutters** available

Request a brochure - e-mail: sales@hvpshutters.co.uk or go to: www.hvpshutters.co.uk

Aluminium chainlink shutters

Aluminium roller shutters

Stainless steel chainlink shutters

Steel roller shutters

Fire-resisting shutters

Steel shutters with vision