



Open your window to the world

whilst keeping your colleagues
and premises safe

Meesons Automated Glazing Solutions

MEESONS
SAFE SECURE ACCESS

Anti-Tailgating | Counters & Screens | Automatic Doors | Access Control

Meesons was founded in 1864 and now with over 7 generations of family expertise, we are a key player in the UK security industry.

Since the beginning, our guiding principles have been to serve our customers with unparalleled quality and personal service.

Welcome to our Automated Glazing solutions brochure...

Here you will find our complete range of automated screens for use across a wide variety of sectors from receptions to football stadiums.

Meesons offer an unparalleled product range to suit all applications. This coupled with our wealth of knowledge and experience we are on hand to offer advice on your project.

For further information on our automated glazed solutions please contact Meesons on:

0870 787 7846
enquiries@meesons.com
www.meesons.com



Automated glazing is only part of our product range, please ask us for details of our other products:

- Anti-Tailgating Solutions
- Counters & Screens
- Automatic Doors
- Access Control



Horizontally sliding windows



vertically sliding window



Specialist sliding windows

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Horizontally sliding screen for indoor installations

This sliding window has an aluminium frame and can be equipped with glass up to 6.5mm in thickness.

In its standard version, the sliding window is satin anodized and equipped with 6mm float glass. The sliding window is automatically locked in the closed position. Operated by control switch with hold-to-run buttons.



Product ID: 4507

Width: Customer's choice

Height: Customer's choice, however if the height of the sliding section exceeds 1500mm we recommend model 6018 instead

Frame thickness: 45mm

Width side posts: 45mm
(48mm on windows with overhead light)

Height top profile: 30 mm
(45mm on windows with overhead light)

Height of bottom profile: 3mm

Glass frames: 20mm

Construction: Motor, transmission and automatic locking are integrated within the frame

Locking: Mechanical lock which automatically locks the window in closed position, key lock option available

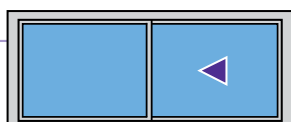
Power supply: 230v ac transformer with optional battery backup

Options: S3 control system (with soft start/stop, adjustable speed, optional push-and-release buttons, optional alarm closing, etc.) and various control switches.

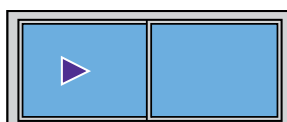
Surface coating: satin anodized aluminium is standard. Other surface coatings available as an option are powder coating or anodizing in various colours.

Examples

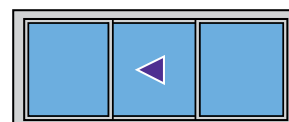
O = fixed glass
X = sliding glass



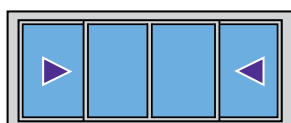
OX



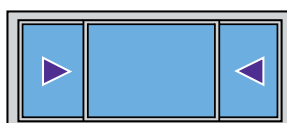
XO



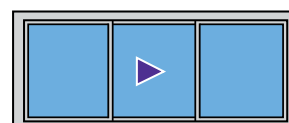
OLXO



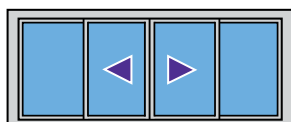
XOOX



XOX



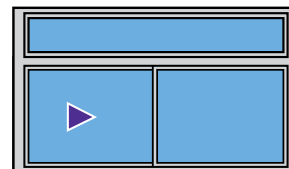
OXR O



OXXO



O



XO with overhead light

Horizontally sliding safety window for indoor installations

Robust, horizontally sliding, electrically operated safety window for indoor installation.

The sliding window has a frame made of steel or stainless steel. The SH model is specially designed for installations in which strict demands are made on protection against assault or firearm attack. The SH model can be equipped with safety glass from 6mm laminated glass up to 75mm bullet-resistant glass. The sliding window is automatically locked in the closed position. Operated by control switch with hold-to-run buttons.



Product ID: SH

Width: Customer's choice

Height: 50mm and above*

Width: Side posts 50mm and above*

Height top profile: 50mm and above*

Height of bottom profile: 3mm and above*

Glass frames: 20mm and above*

Construction: Motor, transmission and automatic locking are integrated within the frame

Locking: Mechanical lock which automatically locks the window in closed position with optional interval locking, key lock

Power supply: 230v ac transformer with optional battery backup

Control system: Electromechanical control system with hold to run buttons

Options: S3 control system (with soft start/stop, adjustable speed, optional push-and-release buttons, optional alarm closing, etc.) and various control switches

Glass: Safety glass with thickness 6 mm and above. For instance 6 mm E60 fire-resistant glass, 19 mm impact-resistant glass, class P7B or 75 mm bullet-resistant glass, class BR7SF

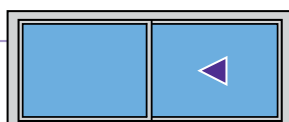
Surface coating: Powder coating in white is standard. Other surface coatings available as an option are powder coating in various colours and stainless steel cladding

Protection against fire: The sliding window can be equipped with fire-resistant glass, e.g. 6 mm Pyran S (E60) or 15 mm Pyrostop 30-10 (EI30). However, the design is not type-approved for installation in firewalls, and object approval would then be necessary, hence we recommend our type-approved model SV-E60 instead. Please contact Meesons for further information

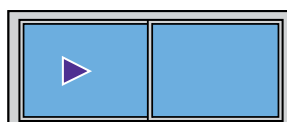
* These dimensions depend on the thickness of the glass and on the safety requirements

Examples

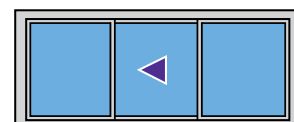
O = fixed glass
X = sliding glass



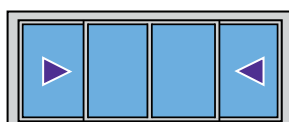
OX



XO



OLXO



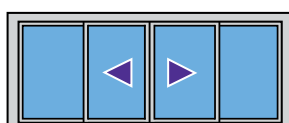
XOOX



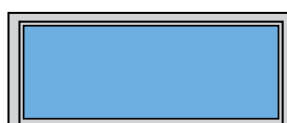
XOX



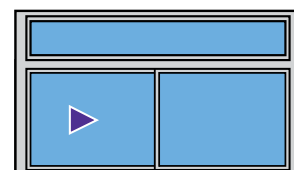
OXRO



OXXO



O



XO with overhead light

Horizontally sliding window for indoor or outdoor installations

Robust, horizontally sliding, electrically operated window for both indoor and outdoor installation.

The sliding window has an aluminium frame and can be equipped with insulating glass or up to 20mm thick safety glass. In its standard version, the sliding window is satin anodized and equipped with D4-12 double glazing. The frame can be finished by powder coating, anodizing in other colours or stainless steel cladding. The sliding window is automatically locked in the closed position and at intervals across the entire opening width. Operated by control switch with hold-to-run buttons.



Product ID: 6018

Width: Customer's choice

Height: Customer's choice

Frame thickness: 60mm

Width side posts: 50mm
(53mm on windows with overhead light)

Height top profile: 45 mm
(50mm on windows with overhead light)

Height of bottom profile: 5mm plus a 6mm guide

Glass frames: 30mm

Construction: Motor, transmission and automatic locking are integrated within the frame

Locking: Mechanical lock which automatically locks the window in closed position and at 50mm intervals across the entire opening width, optional key lock available

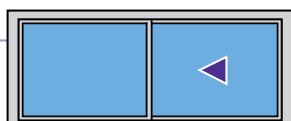
Power supply: 230V AC transformer with optional battery backup available

Control system: Electromechanical control system with hold to run buttons

Options: S3 control system (with soft start/stop, adjustable speed, optional push-and-release buttons, optional alarm closing, etc.) and various control switches

Examples

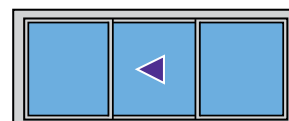
O = fixed glass
X = sliding glass



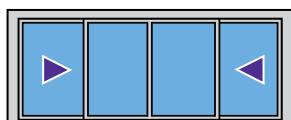
OX



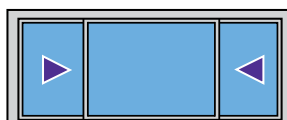
XO



OLXO



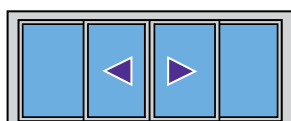
XOOX



XOX



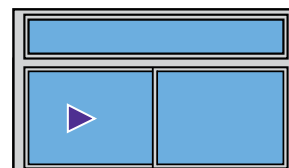
OXRO



OXXO



O



XO with overhead light

Vertically sliding window for indoor installations

The sliding window has an aluminium frame and can be equipped with glass up to 6.5mm thick. Model 7007 can be produced with one or two moving sections to maximize the free opening size. In its standard version, the sliding window is satin anodized and equipped with 6mm float glass. The frame can be finished by powder coating, anodizing in other colours or stainless steel cladding. The sliding window is equipped with an anti-fall device and it is automatically locked in the closed position. Operated by control switch with hold-to-run buttons.



Product ID: 7007

Width: Customer's choice

Height: Customer's choice

Frame thickness: 70mm with one movable section and 90mm with two movable sections

Width side posts: 50mm

Height top profile: 70mm

Bottom profile: No

Glass frames: 20mm

Construction: Motor, transmission, anti-fall device and automatic locking are integrated within the frame

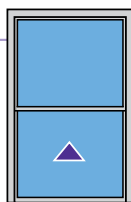
Locking: Mechanical lock which automatically locks the window in closed position with optional interval locking and key lock available

Power supply: 230V AC transformer with optional battery backup

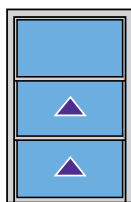
Control system: Electromechanical control system with hold to run buttons

Options: S3 control system (with soft start/stop, adjustable speed, optional push-and-release buttons, optional alarm closing, etc.) and various control switches

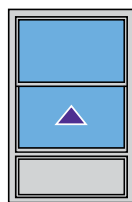
Examples



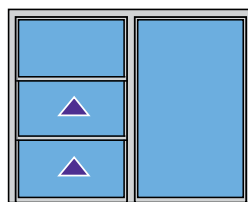
window with one sliding section



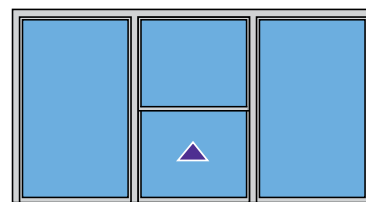
window with two sliding sections



Fixed aluminium section below the window



window with fixed light to right



window with fixed light on each side

Vertically sliding safety window for indoor installations

Robust, vertically sliding, electrically operated safety window for indoor installation.

The sliding window has a frame made in steel or stainless steel. The SV model is specially designed for installations in which strict demands are made on protection against assault or firearm attack. It can be equipped with safety glass from 6mm laminated glass up to 75mm bullet-resistant glass. Model SV can be produced with two or more moving sections to maximize the free opening size. The sliding window is equipped with an anti-fall device and it is automatically locked in the closed position. Operated by control switch with hold-to-run buttons.



Product ID: SV

Width: Customer's choice

Height: Customer's choice

Frame thickness: 63mm and above*

Width side posts: 45mm and above*

Height top profile: 45mm and above*

Height of bottom profile: Varies*, without bottom profile is standard

Glass frames: 20mm and above*

Construction: Motor, transmission, anti-fall device and automatic locking are integrated within the frame

Locking: Mechanical lock which automatically locks the window in closed position with optional interval locking, key lock

Power supply: 230V AC transformer with optional battery backup

Control system: Electromechanical control system with hold to run buttons

Options: S3 control system (with soft start/stop, adjustable speed, optional push-and-release buttons, optional alarm closing, etc.) and various control switches

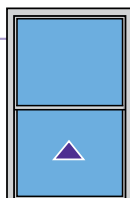
Glass: Safety glass with thickness 6mm and above. For instance 6mm E60 fire-resistant glass, 19mm impact-resistant glass, class P7B or 75mm bullet-resistant glass, class BR7SF

Surface coating: Powder coating in white is standard. Other surface coatings available as an option are powder coating in various colours and stainless steel cladding

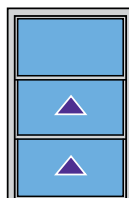
Protection against fire: The sliding window can be equipped with fire-resistant glass, e.g. 6mm Pyran S (E60) or 15mm Pyrostop 30-10 (E130). However, the design is not type-approved for installation in firewalls, and object approval would then be necessary, hence we recommend our type-approved model SV-E60 instead. Please contact Meesons for further information

* These dimensions depend on the thickness of the glass and on the safety requirements. Please contact Meesons for further information

Examples



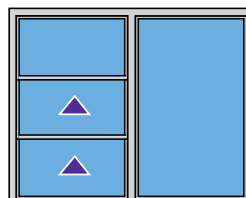
window with one sliding section



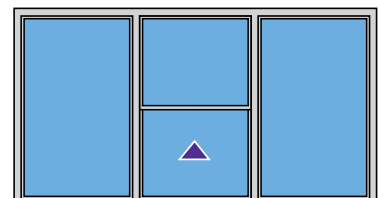
window with two sliding sections



Fixed aluminium section below the window



window with fixed light to right



window with fixed light on each side

Vertically sliding window for indoor or outdoor installations

The sliding window has an aluminium frame and can be equipped with insulating glass or up to 20mm thick safety glass. In its standard version, the sliding window is satin anodized and equipped with D4-12 double glazing. The frame can be finished by powder coating, anodizing in other colours or stainless steel cladding.

The sliding window is equipped with an anti-fall device and it is automatically locked in the closed position. Operated by control switch with hold-to-run buttons.



Product ID: 7018

Width: Customer's choice

Height: Customer's choice

Frame thickness: 70mm

Width side posts: 50mm

Height top profile: 70mm

Bottom profile: No

Glass frames: 30mm

Construction: Motor, transmission, anti-fall device and automatic locking are integrated within the frame

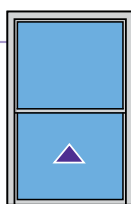
Locking: mechanical lock which automatically locks the window in closed position with optional interval locking, key lock available

Power supply: 230V AC transformer with optional battery backup available

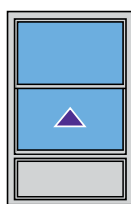
Control system: Electromechanical control system with hold to run buttons

Options: S3 control system (with soft start/stop, adjustable speed, optional push-and-release buttons, optional alarm closing, etc.) and various control switches

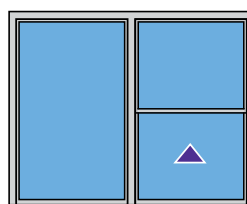
Examples



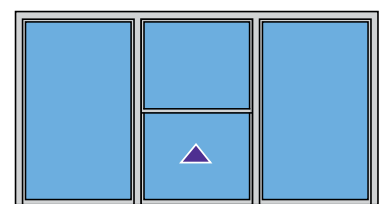
window with one sliding section



Fixed aluminium section below the window



Window with fixed light to the left



window with fixed light on each side

Vertically sliding window for wide openings

Suitable for both indoor and outdoor installation.

The Model Njord and the 9018 models can be produced with two, three or more moving sections to maximise the free opening space. In their standard version, the sliding windows are satin anodized and equipped with D4-12 double glazing.

The frames can be finished by powder coating, anodizing in other colours or stainless steel cladding.



Product ID: NJORD

Width: Customer's choice

Height: Customer's choice

Frame thickness: 115mm with one sliding section, 145mm with two sliding sections and 175mm with three sliding sections

Width side posts: 80mm

Height top profile: 80mm

Bottom profile: Only for manually operated window, 80mm (refer to locking below)

Glass frames: 30mm

Construction: Motor, transmission, anti-fall device and automatic locking are integrated within the frame. For manual performance, the anti-fall device is integrated

Locking: Mechanical lock which automatically locks the window in closed position with optional interval locking, key lock. Manually operated window are provided with key lock ASSA 13787 integrated into the bottom profile. If the window is manufactured without the bottom profile, the ASSA 13787 cannot be used. Other solutions might be possible.

Power supply: 230V AC transformer with battery backup

Control system: Electromechanical control system with hold to run buttons

Options: S3 control system (with soft start/stop, adjustable speed, optional push-and-release buttons, optional alarm closing, etc.) and various control switches. Manually operated window are provided with a handle

Product ID: 9018

Width: Customer's choice. For window exceeding 2000mm we recommend model Njord instead

Height: Customer's choice

Frame thickness: 90mm with one sliding section and 120mm with two sliding sections

Width side posts: 60mm

Height top profile: 70mm

Bottom profile: No

Glass frames: 30mm

Construction: Motor, transmission, anti-fall device and automatic locking are integrated within the frame

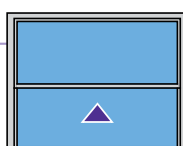
Locking: Mechanical lock which automatically locks the window in closed position with optional interval locking and key lock

Power supply: 230V AC transformer with optional battery backup

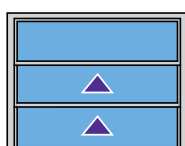
Control system: Electromechanical control system with hold to run buttons

Options: S3 control system (with soft start/stop, adjustable speed, optional push-and-release buttons, optional alarm closing, etc.) and various control switches

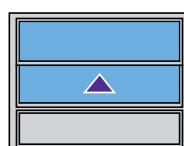
Examples



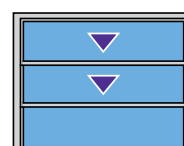
Window with one sliding section



Window with two sliding sections



Fixed aluminium section below the window



Window with two sliding sections opening downwards



Fixed window

Fire-resistant vertically sliding window

Electrically operated window which is suitable for indoor or outdoor installation.

The sliding window has a frame made in powder coated steel. The SV-E60 model is specially designed for installations in which demands are made on fire resistance class E15-E60 and it is provided with 6mm Pyran S fire resistant glass. It is automatically locked in the closed position and at 50mm intervals across the opening. Operated by control switch with hold-to-run buttons. S3 control system is optional.



Product ID: SV-E60

Width: 600 - 1165mm

Height: 800 - 2100mm

Frame thickness: 80mm

Width side posts: 60mm

Height top profile: 70mm

Height of bottom profile: U-profile 25 x 25 x 25mm.

Glass frames: 40mm

Construction: Motor, transmission and automatic locking are integrated within the frame

Locking: Mechanical lock which automatically locks the window in closed position and at 50mm intervals across the opening

Power supply: 230V AC transformer with optional battery backup

Control system: Electromechanical control system with hold to run buttons

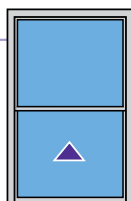
Options: S3 control system (with soft start/stop, adjustable speed, optional push-and-release buttons, optional alarm closing, etc.) and various control switches.

Glass: 6mm Pyran S, fire resistance classification E60

Surface coating: Powder coating in white is standard. Powder coating in other RAL-colours are optional

Protection against fire: Fire resistance classification E60. The sliding window is certified by SITAC. Please contact our sales personnel for country specific information

Design



window with one sliding section

Sliding window type S-Special

Our electrically operated sliding windows can be designed to meet unique requirements.

For indoor or outdoor installation, vertically or horizontally sliding, straight or curved. The window frame is usually made of aluminium or steel but can, if required, also be made of other materials, such as stainless steel or brass.

The sliding window can be equipped with any conceivable glass, such as thin ornamental glass, thick bullet-resistant glass and curved laminated glass, to mention but a few.

The wide variety of surface finishes available for the frame extend all the way from powder coating and painting, anodizing in different colours, chromium plating and gold plating to stainless steel and brass cladding.

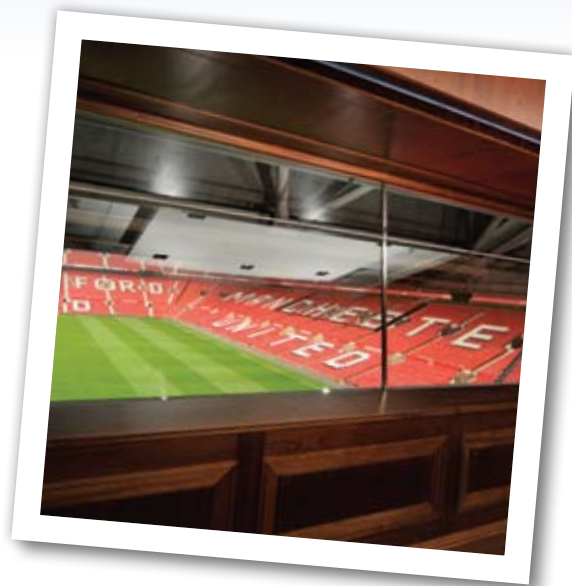
In addition to the usual control box, the sliding window can also be equipped with electronics that enable the sliding window to be operated by means of a remote control, photoelectric cells, radar, timer or computer.

Battery back-up can be provided to enable the sliding window to be operated even during a mains power cut. The sliding window can also be equipped with various types of alarm that will automatically close or open the window in the event of incidents such as fire and assault.

This window is used in a wide variety of functions from football stadium hospitality boxes to large receptions. This product is only limited by your imagination, it can be made to fit any environment and perform any functionality.

We leave it to a Manchester United spokesperson for the last word:

‘Our corporate hospitality boxes have fixed windows with a speaker system designed to relay crowd noise and create some “atmosphere” within the viewing box. The Automated Glazing System supplied and installed by Meesons, provides us with the best of both worlds. Our clients and guests can open the box window and experience the atmosphere of the game with the simple push of a button. Alternatively the window can remain closed maintaining the environment of the space. The new facility has proved to be a great success this season’.



Vertically sliding window with thermally insulated profiles

Suitable for both indoor and outdoor installation.

The sliding window has an aluminium frame and can be equipped with insulating glass up to 26mm in thickness. Model Njord Thermo can be produced with two, three or more moving sections to maximize the free opening size. Opening of the sliding window is either downward or upward (standard). In its standard version, the sliding window is satin anodized and equipped with D4-15 double glazing. The frame can be finished by powder coating, anodizing in other colours or stainless steel cladding. Njord Thermo can be delivered with either electrical or manual operation. The sliding window is equipped with an anti-fall device and in electrical performance it is automatically locked in the closed position. Operated by control switch with hold-to-run buttons.



Product ID: NJORD THERMO

Width: Customer's choice

Height: Customer's choice

Frame thickness: 120mm or more depending on version

Width side posts: 80mm

Height top profile: 80mm

Bottom profile: Oak sill, 15mm, as standard

Glass frames: 35mm

Construction: Motor, transmission, anti-fall device and automatic locking are integrated within the frame. For manual performance, the anti-fall device is integrated

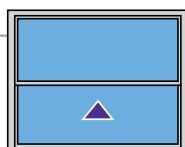
Locking: Mechanical lock which automatically locks the window in closed position with optional interval locking and key lock. Manually operated window are provided with key lock ASSA 13787 integrated into the bottom profile. If the window is manufactured without the bottom profile, the ASSA 13787 cannot be used. Other solutions might be possible.

Power supply: 230V AC transformer with optional battery backup

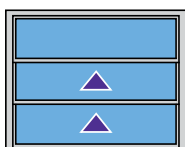
Control system: Electromechanical control system with hold to run buttons

Options: S3 control system (with soft start/stop, adjustable speed, optional push-and-release buttons, optional alarm closing, etc.) and various control switches. Manually operated window are provided with a handle

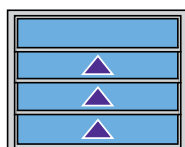
Examples



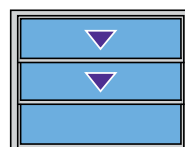
window with one sliding section



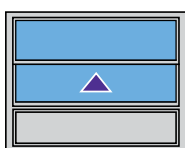
Window with two sliding sections



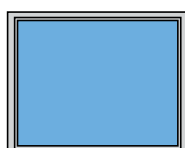
Window with three sliding sections



Window with two sliding sections opening downwards



Fixed aluminium section below the window



Fixed window

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