



FLUSH STEEL DOOR

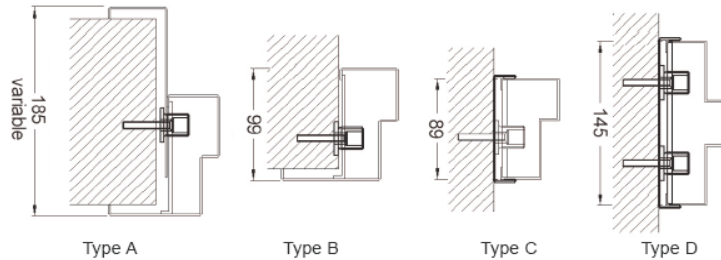
DOOR LEAF

Thickness:	48mm
Material:	1-2mm corrosion resistant Zintec/Aluzinc sheets as standard, wide variety of colours and finishes available. Also Stainless Steel.
Infill:	Self supporting resin-impregnated honeycomb core as standard. Optionally Mineral Wool or Solid Timber.
Construction:	Doorblade manufactured from two 1-2mm sheets lockformed together, by bonding two steel skins around a rigid core, using a no-weld construction. Note: Stock doors are fitted with a universal lock which when not required can be replaced with a blanking plate.

DOOR FRAME

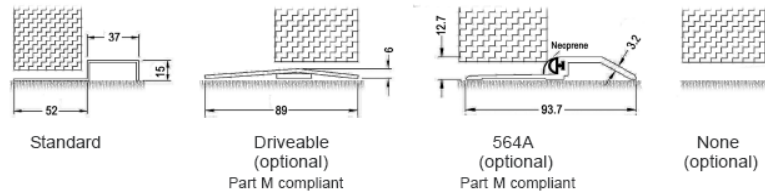
Construction:	Folded from 1-6mm Zintec/Aluzinc. Screw and tab construction with 4no. adjustable fixing feet per jamb, variable sub-frame supplied as standard to accommodate site tolerance of -0/+30mm. The frame is fitted with 3no. Class 13 stainless steel hinges with 2no. security dog bolts.
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Profile:



THRESHOLD

Standard:	15mm rebated threshold.
Optional:	5mm driveable (DDA compliant). 12-5mm 564A Aluminium (DDA compliant).



FINISHES

Standard:	Pre-primed steel (approximating to BS10A05 Goosewing Grey) requiring site painting.
Optional:	Polyester Powder Coating from standard colour range. PVC laminate from standard range. Woodgrain PVC laminate. Stainless steel, brushed, polished or patterned.

SIZES

Size:	Doors are custom manufactured in 10mm increments for single openings 690mm to 1390mm and double openings 1290mm to 2600mm, at heights up to 2900mm.
Stock:	Stock sizes are held in 50mm increments for single openings 690mm to 1390mm and double openings 1290mm to 2600mm, at a standard height of 2100mm.

Contact the Sales office for special configurations and finishes.

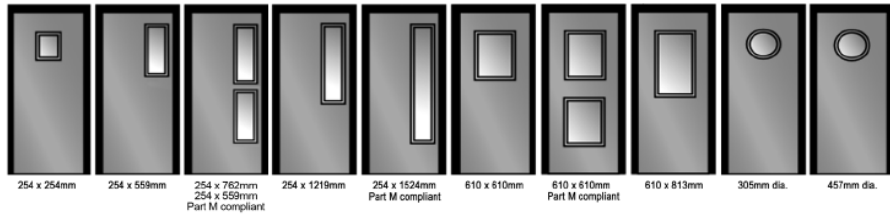
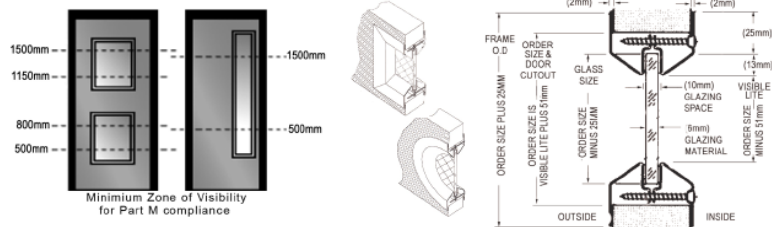


VISION PANELS

Guidance Notes: To comply with Part M of the Building Regulations 2004 doors across circulation routes should have visibility glazing. (Vision panels less than 50% of the total door area are exempt from Part L of the Building Regulations.)

Construction: Welded construction from 1mm cold rolled steel, screwed together from one side.

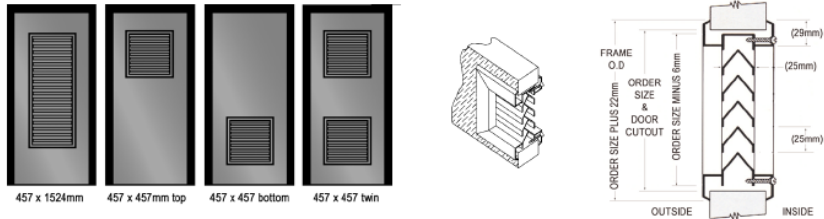
Options: Standard glazing is 6.4mm clear laminate. Alternative options include 6mm GWPP or a 19mm Double Glazed Unit (6.4/6/6.4 mm laminate). Custom sizes and glazing are available to customer requirements.



LOUVRE PANELS

Construction: Standard Louvre offers 50% air flow with louvre blades constructed to stop birds. Frames are 1.2mm thick and blades 0.7mm.

Options: Fly mesh available as an optional extra. Custom sizes are available.

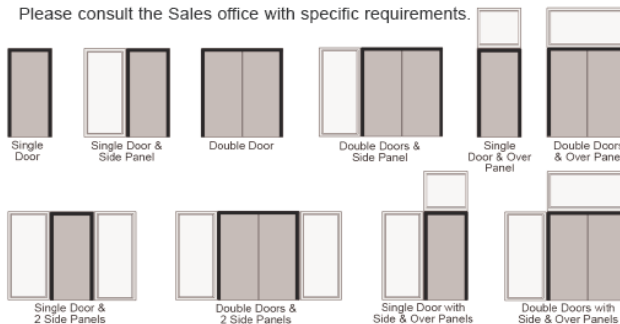


PANEL ARRANGEMENTS

Construction: Panels can be solid, glazed or louvred.

Sizes: Standard side panels are available up to 1340mm wide x 2900mm high. Standard over panels are available up to 1340 x 2900mm (single door) or 1340 x 2600mm (double door).

Options: Hinged panels. Removeable, flush, glazed or louvred are all available. Please consult the Sales office with specific requirements.

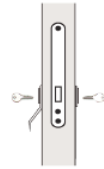




DOOR LOCKING

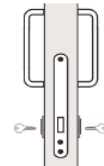
All lock cases are tested to BS EN 12209 and all lever furniture is tested to BS 1906.

MORTICE LOCKS & LATCHES



DEADLOCK ALT 1

Deadlock fitted with external cylinder pull, double cylinder and internal escutcheon. Standard for plant rooms.



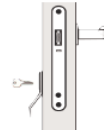
DEADLOCK ALT 3

Deadlock fitted with double 19mm bolt through handle. Double cylinder with escutcheons as standard.



SASHLOCK

The standard fitting for sashlocks is with pair of 19mm stainless levers and a double cylinder deadbolt. Illustrated is optional thumbscrew on non-secure side.



NIGHTLATCH ALT 1

Suitable for automatic locking entrance doors, used manually or in conjunction with an electric strike. Illustrated optional cylinder pull.



NIGHTLATCH WITH SNIB

The snib allows the locking latch to be secured within the lockcase giving free access. Doors with night latches are normally fitted with closers.

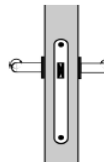
DEADLOCK ALT 2

2 Deadlock fitted with 19mm bolt through handle, and push plate to opposite side. Double cylinder with escutcheons as standard.



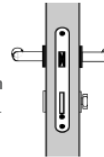
LATCH

The standard latch fitting is with a pair of 19mm stainless steel levers, suitable for non-secure doors to provide privacy.



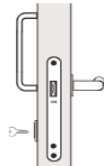
TOILET LOCK

As the sash lock but the deadbolt is fitted with a privacy/indicator set instead of a cylinder.



NIGHTLATCH ALT 2

As Alt 1 but fitted with a pull handle. Doors fitted electric strikes provide key access for authorised persons as a manual override, whilst the internal handle gives escape at all times.



MORTICE MULTI-POINT LOCKING



3-POINT SASHLOCK

This lock has a sashlock fitted centrally with top & bottom deadbolts. The cylinder operates all locks from the central point. Either a double or euro cylinder & turn can be fitted. An escape version is also available. Note this lock is only available on custom built doors.

ADDITIONAL LOCKS

Additional locks, usually deadlocks, can be fitted to standard doors to aid security. In the illustration are additional deadlocks & a sashlock, which can be fitted in either the upper or lower quarter, or both. The standard option is two locks, one fitted centrally and one in the lower quarter (it is more difficult to apply leverage to the upper half of a door when attacking it).

Additional locks can be fitted with panic bolts and latches to provide night time security, subject to Fire Regulations.





PANIC ESCAPE HARDWARE

Every new build or replacement panic and emergency exit application is required to comply with European safety legislation, the relevant standards are EN1125 & EN179 which replace BS5725:pt1:1981.

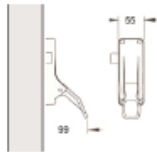
EMERGENCY APPLICATION - EN 179

An emergency application where the exit door is in a low occupancy environment and will only be used by trained personnel, typically a workplace or somewhere not accessed by the public. Examples being offices, private flats & apartments, store rooms and boiler rooms.

This application requires only a single point of contact, eg pushpads.

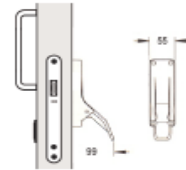
RIM PANIC PAD

A surface mounted single point panic pad, suitable for light to medium security.



MORTICE PANIC PAD

Surface mounted panic pad with single point locking from a mortice night latch, for medium security. Self locking on closure. Shown with optional external cylinder and pull.



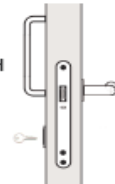
ESCAPE SASHLOCK

A mortice sashlock with cylinder and turn, ideal for doors combining access with escape and medium security. The door can be left unlocked for daytime latched access. An internal lever retracts latch and deadbolt allowing escape when the door is locked.



ESCAPE NIGHT LATCH

An internal lever handle retracts the latch bolt allowing escape, with the door re-locking on each closure. Can be fitted with external cylinder and pull handle.



PANIC APPLICATION - EN 1125

A panic application occurs where the exit door is used by the public and provides "safe & effective escape through the doorway with the minimum effort & without prior knowledge of operation", typically theatres, shops, schools, hospitals & cinemas.

This applications require an operating device that covers the width of the door, eg. crossbars or touchbars.

RIM PANIC LATCH

Surface mounted, single point rim panic latch.



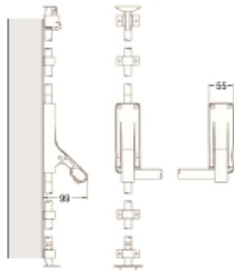
MORTICE PANIC NIGHT LATCH

A mortice night latch operated by an internal crossbar, providing medium security. Can be fitted with external cylinder as shown, to give external access whilst still self locking.



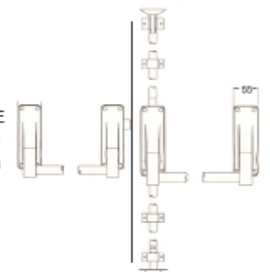
TWO POINT PANIC BOLT

Surface mounted, two point bolting panic with a full width internal crossbar.



DOUBLE DOOR ESCAPE

The standard option for rebated double doors. The combination of panic latch on the active leaf and a bolt on the inactive one allows independent escape.



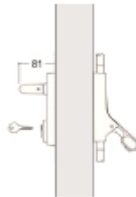


PANIC ESCAPE HARDWARE

OUTSIDE KEY ACCESS

Escape door furniture can be fitted with a number of options for access from outside. EN179 & EN1125 door furniture is primarily designed as a means of escape and even when fitted with outside access should not be used as the main access door.

For high frequency access the best results will be those based on mortice lockcases, such as escape sashlock or night latch, but they will be a compromise between ease of escape and practical durable access.



SURFACE MOUNTED OUTSIDE KEY ACCESS WITH LEVER

Supplied as standard with a Euro single cylinder for use with panic latches, pads and bolts. Suitable for infrequent access and secondary to escape. When in the locked position the lever cannot be operated. When un-locked it will remain active until re-locked.

Unit can be fitted with a knob in lieu of lever but will then not comply with the DDA Regs.



ROUND RIM CYLINDER WITH CYLINDER PULL

A budget alternative to the above. The main functional difference is the door will re-secure each it is closed, a key being required to open it.



EURO CYLINDER

The mortice locks in the panic range can be fitted with a Euro cylinder to provide outside key access.

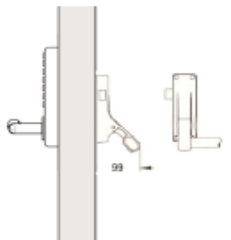
Single Euro Cylinder: For use with Rim Panic Push Pad Night Latch and the Escape Night Latch. The door will always be secure as the key extracts the latches allowing egress but is re-secured every time it is locked.

Double Euro or Euro Cylinder & Turn: For use with the Escape Sashlock. Once opened the door remains unlocked for egress until re-locked.

ACCESS CONTROLLED EXTERNAL ACCESS

The panic latch or panic pad can be fitted with a mechanical keypad to allow controlled access outside without the need for a key. The keypad does not interfere with the escape function of the inside panic unit but cannot be used with panic bolts.

Panic latches and pads are primarily designed as a means of escape and should not be used as high frequency access doors. Care should be taken when specifying this combination.



MECHANICAL KEY PAD

The Mechanical Key Pad is a panic bar internally operating a mortice latch-bolt complete with a stainless steel lever externally controlled by a 5-digit key code.

We reserve the right to change the specification or product data sheet without prior notification.