



FIRE RESISTANT STEEL DOORS

Our Fire Resistant Steel Doors, are fitted in internal and external applications in a wide variety of wall constructions, and designed to protect personnel & property from the spread of flames & smoke. They offer substantial benefits over comparable timber doors; strength, durability & security.

The range has been tested to BS 476 Parts 20 & 22, BS EN 1634 and holds appropriate FRS & Bodycote Warrington Assessments.

VERSIONS

FD60:	Providing protection up to One Hour (60 minutes) in a traditional unlatched design.
FD120:	Providing protection up to Two Hours (120 minutes) with a latched design.
FD240:	Providing protection up to Four Hours (240 minutes) with a latched design.
	Please contact the Sales Office for special configurations

DOOR LEAF

Production Sizes: All fire resistant doors are custom made, to a maximum width of 1250mm as a single and 2600mm as a double. A maximum height of 2800mm in a single leaf. Infill panels to side or top can be provided as optional extras.

Thickness: 48mm.

Material: 1.2mm corrosion resistant Zintec/Aluzinc sheets as standard. Wide variety of colours and finishes available.

Infill: Self supporting resin-impregnated honeycomb core as standard, with the option of mineral wool.

Construction: A non-welded construction from two skins of Zintec folded around a rigid core.

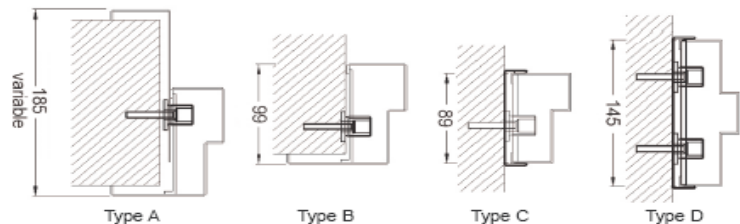
DOOR FRAME

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.

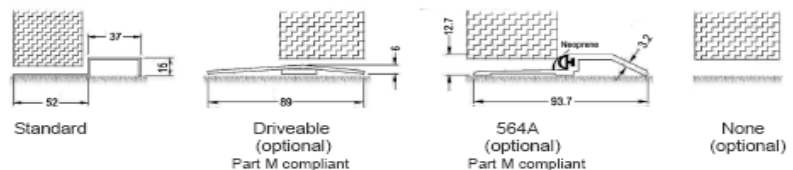
Profile:



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.

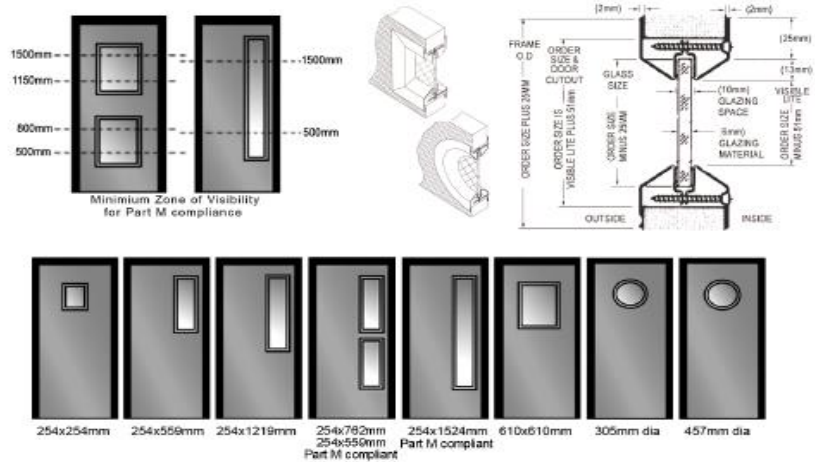


VISION PANELS

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.)

Fire Assessment: Under the BRE Assessment the following rules apply:
 Maximum panel size 637x592mm (0.377m²)
 No vision panel to be fitted within 200mm of any door leaf edge.

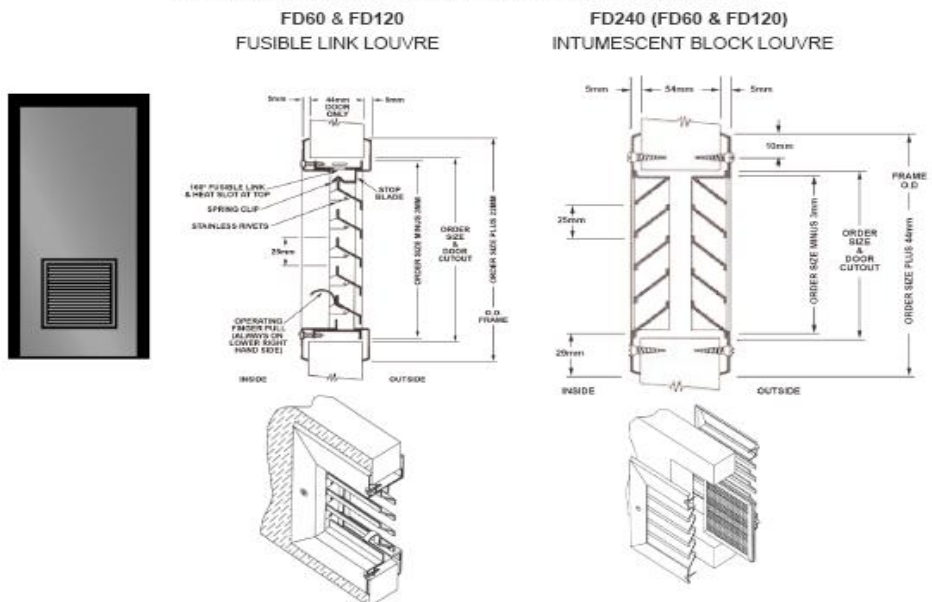
Options: Standard glazing is 6mm GWPP Safety (up to 2hrs. integrity).
 Alternative options include 6mm Firelite Clear Ceramic Glass (up to 4hrs. integrity).



LOUVRE PANELS

Construction: FD60 & FD120 The louvre panel has moveable steel blades which can be closed manually. The blades are also closed by a fail-safe fusible link set to melt at 160°. FD240 (optionally FD60 & FD120) The panel is constructed of 2 separate steel louvre panels fitted on either side of an intumescent fire block core.

Fire Assessment: Under the BRE Assessment the following rules apply:
 Maximum panel size 610x610mm (0.372m²).
 No louvre panel to be fitted within 200mm of any door leaf edge.
 The louvre panel top should be not more than 1000mm from floor level.

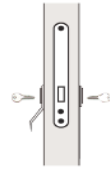




DOOR LOCKING

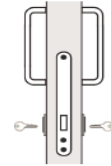
All lock cases are tested to BS EN 12209 and all lever furniture is tested to BS 1906.

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.



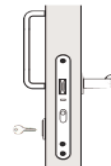
SASHLOCK

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.

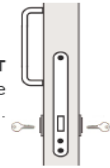


NIGHTLATCH WITH SNIB

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

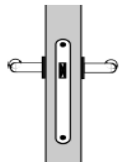
DEADLOCK ALT 2

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



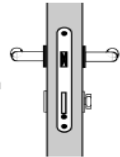
LATCH

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



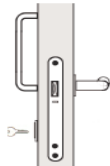
TOILET LOCK

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

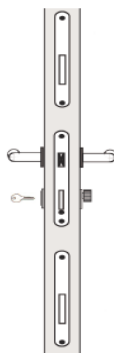


NIGHTLATCH ALT 2

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).

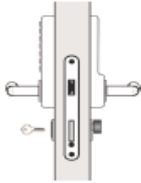
Additional locks can be fitted with panic bolts and latches to provide night time security, subject to Fire Regulations.





DOOR LOCKING

LOCKING: ACCESS CONTROL



MECHANICAL KEYPAD

As standard this is provided with a latchbolt complete with a pair of stainless steel levers and a deadbolt for security, operated by a double cylinder. Illustrated is optional thumbscrew on non-secure side.

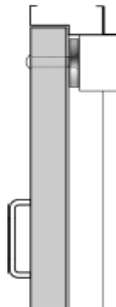


ELECTRIC STRIKE

As standard the door blade is fitted with a nightlatch complete with an external pull handle and internal half-lever. The lever allows manual egress from the inside (this can be replaced by a push button or a secure access system). A half-cylinder can be fitted to allow fail-safe override.

The strike can be activated by the full range of secure access systems, eg. keypad, swipe card, etc.

Available in 12 or 24vDC and with Fail Open (power to hold strike) or Fail Closed (power to open).

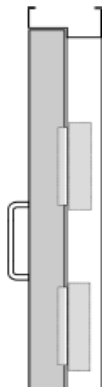


ELECTRO-MAGNET LOCK, SURFACE MOUNTED

Available in 12 or 24vDC the magnet can be activated by the range of security access systems, eg. keypad, swipe card, etc. It is fitted to the frame with a bolt through armature plate on the door blade.

The magnet is locked when power is applied and automatically Fails Open when is removed.

The lock can be fitted to single or double doors.



ELECTRO-MAGNET LOCK, CONCEALED MOUNTING

The door is fitted with two mag-locks flush mounted into a special frame section, whilst the armature plates are recessed into the door blade.

This arrangement is ideal for high traffic entrance doors to offices and flats, as it provides an esthetically pleasing door offering high security and resistance to attack or abuse.

The lock can be fitted to single or double doors (on double doors only active leaf operation is allowed).

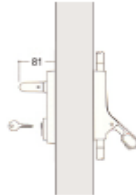


PANIC ESCAPE HARDWARE

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 time 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.

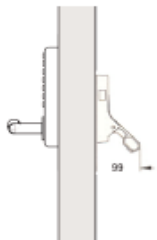
Single Euro Cylinder: For use with Rim Panic Push Pad Night Latch and the Escape Night Latch. The door will always be secure as the key extracts the latches allowing egress but is re-secured every time it is locked.

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.