

FLAMEGUARD

Fire Resisting Hinged Steel Doors

Bolton Gate Flameguard hinged steel doors have been successfully tested to BS476 Part 22 and EN 1634-1 for up to four hours fire resistance. The flush faced design combines smoothness with outstanding aesthetic appeal while the consistently high standard of performance makes Flameguard suitable for a diverse range of industrial and commercial applications.

Every Bolton Gate steel door and frame offers significantly improved security over its timber counterpart, particularly so due to the strength of standard hinges employed. In addition, the latest computer technology is utilised to ensure that both door and frame are accurately punched and reinforced for all relevant items of hardware/ironmongery.

STANDARD SPECIFICATION

Door leaves

The doors can be manufactured as singles or pairs.

The door leaves are constructed from 1.2mm thick zinc coated steel sheets folded to form a 45mm thick panel with the vertical edges reinforced to increase panel strength and rigidity. Horizontal channels are welded to the inside of the sheets to close off the top and bottom of the leaf.

The panels are infilled with a bonded honeycomb core and reinforcing pads are fitted within the leaf to accept hardware fixings.

The hinging edge is reinforced with steel mounting plates and the lock body is fitted within an internal closure for ease of maintenance/replacement.

An overlapping steel astragal is fitted on a pair to ensure positive sealing.

Frame

Supplied in knockdown form for ease of handling/installation, the frames are constructed from 1.6mm thick zinc coated steel to form a single or double rebate profile.

Headers are butt jointed to the uprights and are reinforced to accommodate the fixing of door closers. Uprights are reinforced with steel plates at hinge and lock positions.

Frames can be supplied as a first-fix built in arrangement or prepared for bolt fixing to the structure.

Hardware

Various items of hardware are available to suit clients' requirements but to maintain the fire rating of the assembly, our standard stainless steel ball-bearing hinges, ASSA 3098 latch/SAA lever handles together with lever action flush bolts to the inactive leaf of a pair should be supplied as a minimum.

MAXIMUM SIZES

Single

1450mm wide x 2900mm high

Pair

2900mm wide x 2900mm high

FINISH

As standard, all doors/frames are factory primed for painting on site (by others) after installation.



OPTIONS

Locks

The standard latch can be replaced with an ASSA 3065 sash lock with cylinder outside and cylinder or thumb turn inside.

Closers

Overhead hydraulic closers can be fitted with a leaf selector on pairs if both leaves are active.

Panic Bolts

Exidor panic mortice latches can be fitted on escape doors.

Vision Panels

Square, rectangular or circular vision panels are available in Georgian wired glass (1 hour) or Firelite (up to 4 hours).

Transom Panels

Fixed or removable, in steel or glass.

Louvres

450mm wide x 300mm high fire rated up to 1 hour

Finish

Doors and frames can be stove enamelled to a range of standard BS or RAL colours.

WEIGHT

Single 65kgs. approximately.

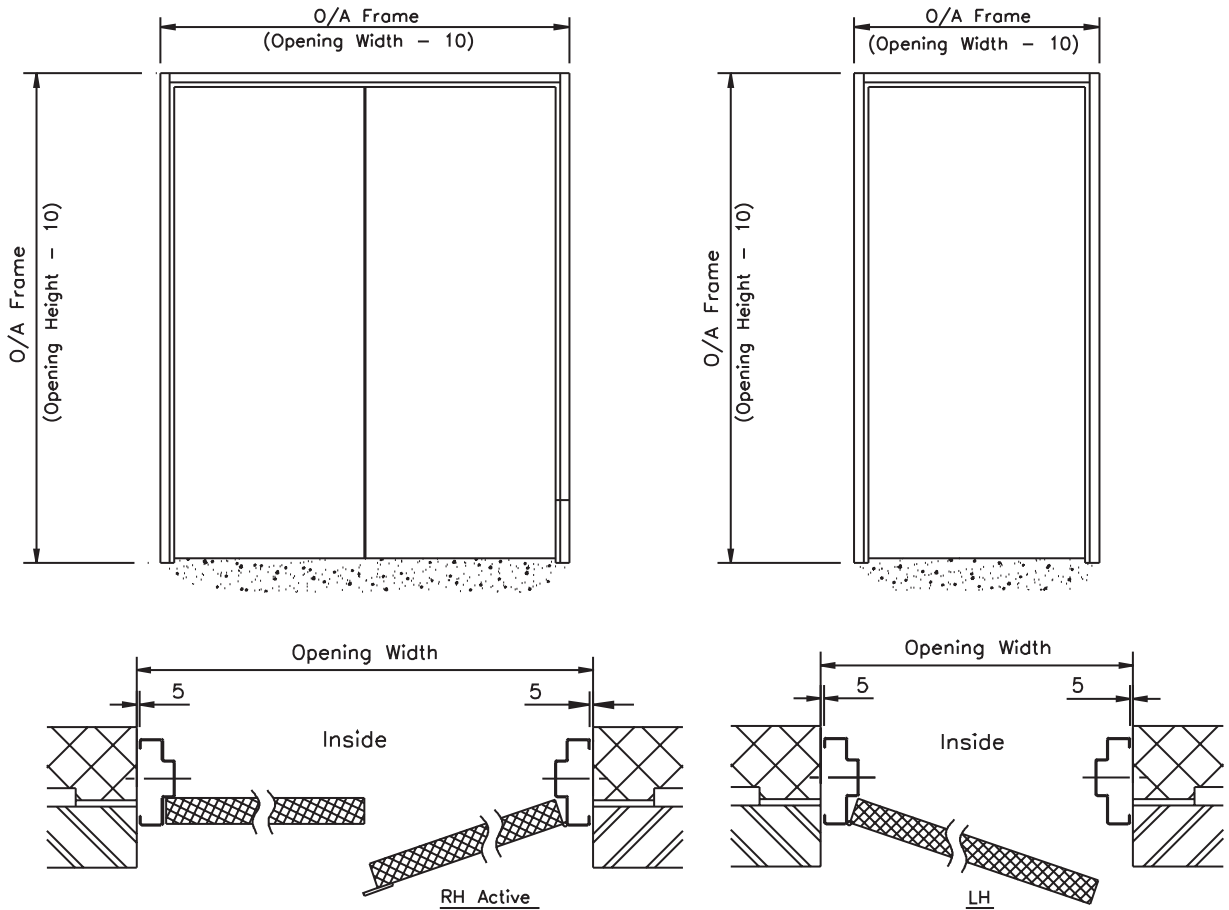
Pair 120kgs. approximately.



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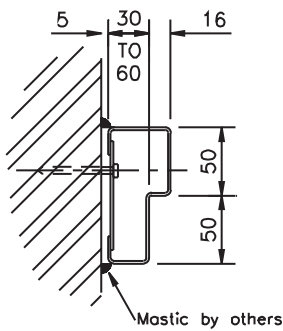
Fire Resisting Hinged Steel Doors

DOOR ARRANGEMENTS

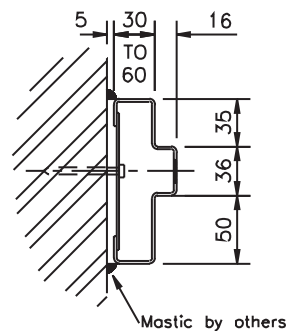


NOTE! ALL HANDING VIEWED FROM PULL SIDE

FRAME DETAILS



SINGLE REBATE

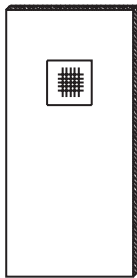


DOUBLE REBATE

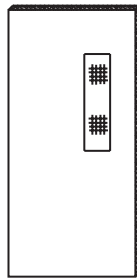
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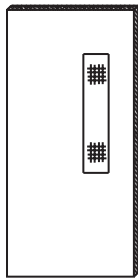
VISION PANEL/LOUVRE OPTIONS



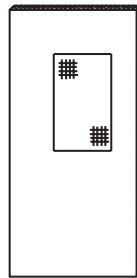
P1
vision panel
200 sq.



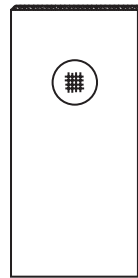
P2
vision panel
200 w x 500 h



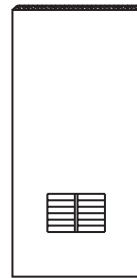
P3
vision panel
200 w x 700 h



P4
vision panel
400 w x 500 h



P5
vision panel
300 dia round
400 dia round
500 dia round

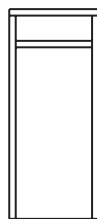


P6
louved panel
400 w x 250 h
400 w x 300 h
400 w x 1600 h

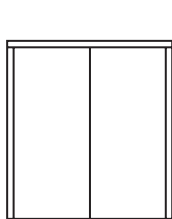
LEAF/FRAME OPTIONS



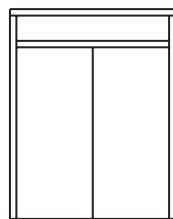
F1
Single



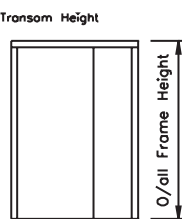
F2
Single with transom



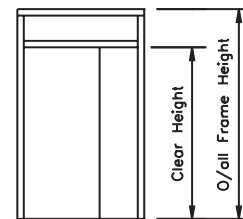
F3
Double



F4
Double with transom

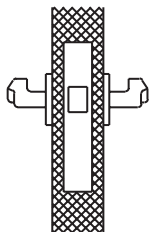


F5
Unequal Pair

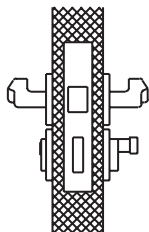


F6
Unequal Pair with transom

LOCKS AND LATCHES



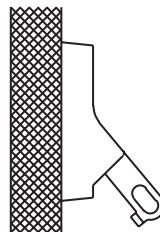
H1
ASSA 3098 latch
Lever handles



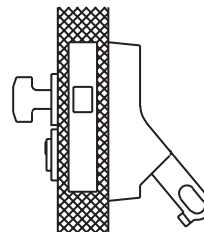
H2
ASSA 3065 sash lock
Lever handles
Euro cylinder outside
Euro cylinder or thumbturn inside



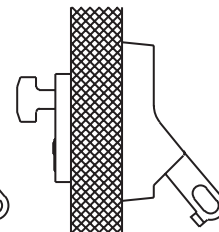
H3
ASSA 3088 deadlock
(normally locked locations only)
Euro cylinder outside
Euro cylinder or thumbturn inside



H4
EXIDOR 296
panic latch



H5
EXIDOR 305 panic latch inside with nightlatch. Euro cylinder and pull outside

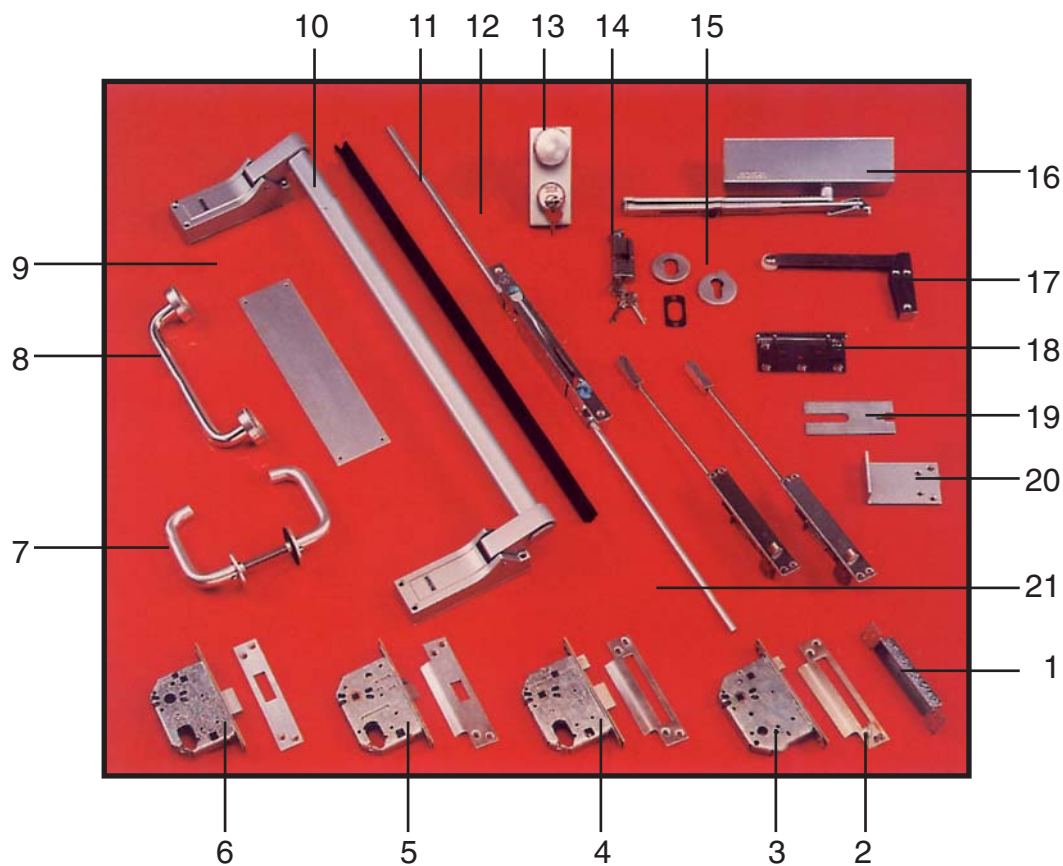


H6
EXIDOR 296 panic latch inside. EXIDOR 302 access device with Euro cylinder outside

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Fire Resisting Hinged Steel Doors

The range of standard hardware held in stock is displayed below and are tried and tested items which have also been approved for use on fire resisting door sets. This selected range is available from stock and does not have to be ordered to suit contract-by-contract requirements.



- | | |
|--|---|
| 1. Lock box | 12. Automatic shootbolt (pairs) |
| 2. Strike plate | 13. Exidor 302 external lockable knobset |
| 3. ASSA 3098 latch | 14. Cylinder with thumbturn |
| 4. ASSA 3065 sash lock | 15. Satin finish aluminium escutcheons |
| 5. ASSA 3061 mortice night latch | 16. Overhead closer |
| 6. ASSA 3088 mortice dead lock | 17. Door selector |
| 7. Satin finish aluminium handle | 18. Stainless steel hinge |
| 8. Satin finish pull handle | 19. Packing piece |
| 9. Satin finish push plate | 20. Retaining bracket for door closer arm |
| 10. Exidor 296 panic bar | 21. Weather and smoke seal |
| 11. Concealed manual shootbolt (pairs) | |