

DATA SHEETS



Industrial & Commercial/Retail Doors and Shutters

STEEL SECURITY DOORSETS

DESIGNED FOR INDUSTRIAL & COMMERCIAL APPLICATIONS

Door Leaf Construction (Fire Rated) Manufactured from 1.6 or 2.0 zintec steel, double skinned with interlocking seams reinforced vertically with interlocking channels and horizontally with tubes to prevent twisting. Spaces are filled with dense Rockwool. Astragal to leading edge.

Leaf:

Overall Thickness : 45mm to 50mm
Material : 1.6mm or 2mm Zintec
Core Infill : Rockwool

Frame:

Minimum Frame Depth : 76mm x 25mm Single Rebate
Minimum Frame Depth : 145mm x 38mm Double Rebate
Material : 1.6mm

Description: Manufactured from 1.6 zintec formed to single or double rebated profile in welded or knock down form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity.

Overall Maximum Frame Size :

Single Door : 1365 x 2762mm
Double Door : 2639 x 2762mm

Finish: Factory Finish Etch Prime, Powder Coated also Available.

Hinges: Grade 13 Stainless steel ball bearing butt hinges
Grade 13 Stainless steel ball bearing dog bolt butt hinges
(Complies with EN 1935:2002)

Certification: Both our Single and Double Door Sets have successfully achieved 6 hour Fire Rating in conjunction with BS 476 parts 20 & 22.



Internal Core

Notes:

Estimated U-Value 2.28

The maximum size we can issue Fire Certification for is 3.12 SQ mtr per leaf. If the required Structural opening exceeds the above dimensions, Fire Rated Side panels / Over panels can be used.

Door Leaf Construction (Dufaylite)

Manufactured from 1.2 or 1.6 zintec steel, double skinned with interlocking seams reinforced vertically with interlocking channels. Spaces are filled with Dufaylite Honeycomb core.

Leaf:

Overall Thickness : 45mm

Material : 1.6mm or 2mm Zintec

Core Infill : Dufaylite

Description: Manufactured from 1.6 zintec formed to single or double rebated profile in welded or knock down form, reinforced and fitted with fixing plates. Depth of frame can vary to suit brick, block, and steel work or to span a cavity.

Frame:

Minimum Frame Depth : 76mm x 25mm Single Rebate

Minimum Frame Depth : 145mm x 38mm Double Rebate

Material : 1.6mm

Overall Maximum Frame Size :

Single Door : 1500 x 2762mm

Double Door : 2808 x 2762mm

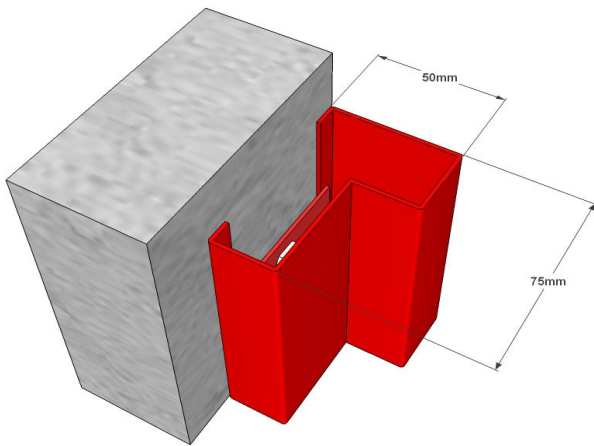
Finish: Factory Finish Etch Prime, Powder Coated also Available.

Hinges: Grade 13 Stainless steel ball bearing butt hinges
Grade 13 Stainless steel ball bearing dog bolt butt hinges
(Complies with EN 1935:2002)

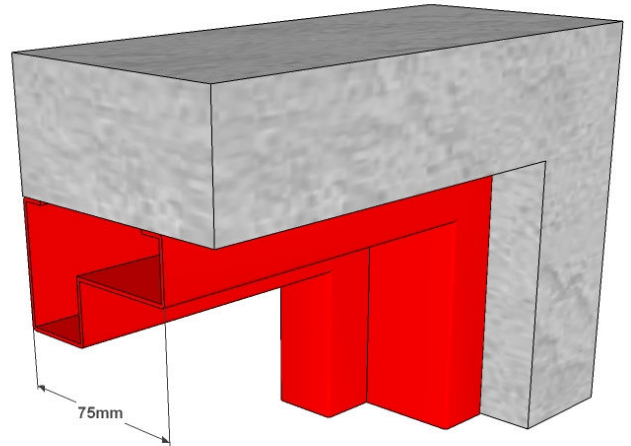


Internal Core

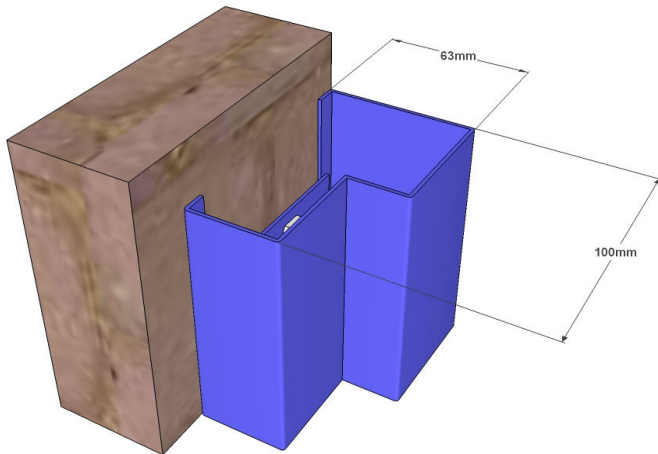
75mm Single Rebate Jamb Detail



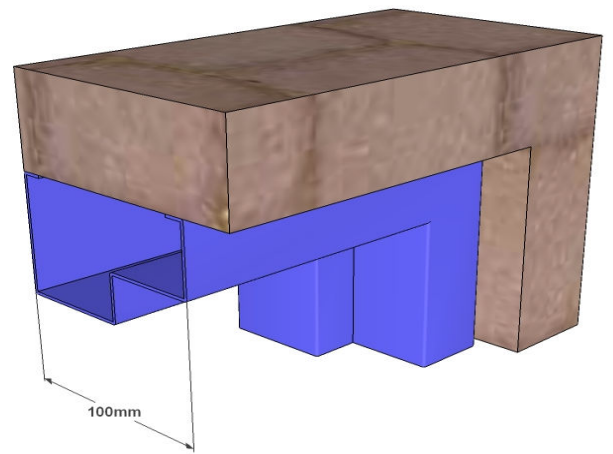
75mm Single Rebate Head Detail



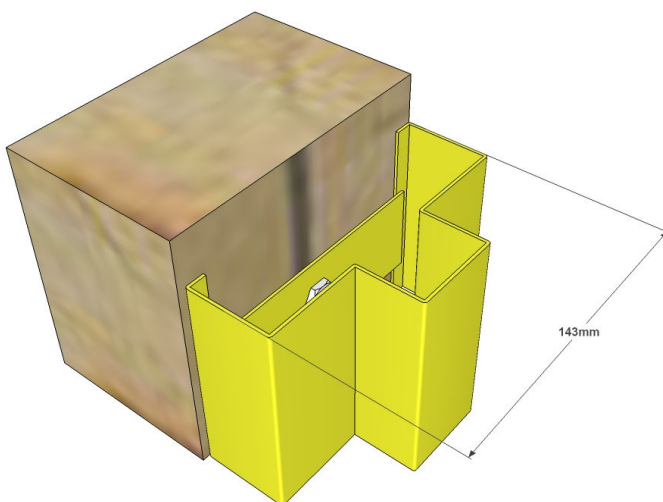
100mm Single Rebate Jamb Detail



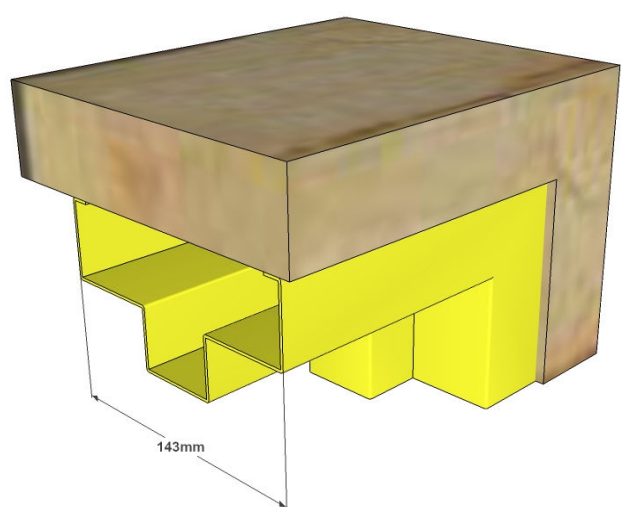
100mm Single Rebate Head Detail



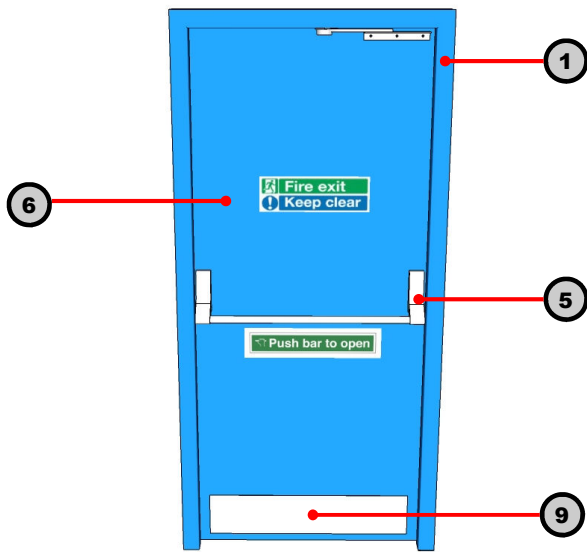
143 - 250mm Single Rebate Jamb Detail



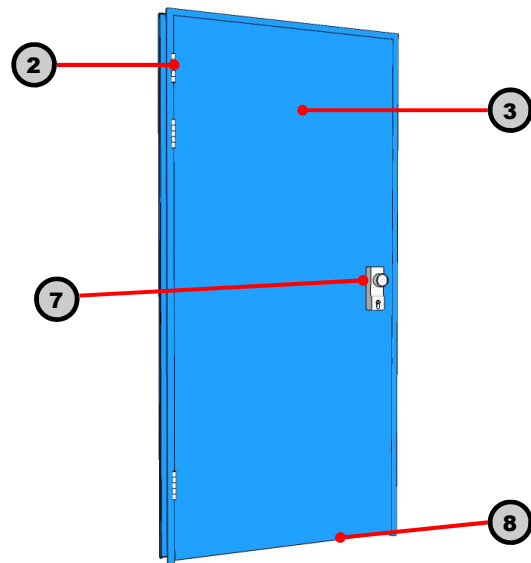
143 - 250mm Single Rebate Head Detail



SINGLE FIRE ESCAPE

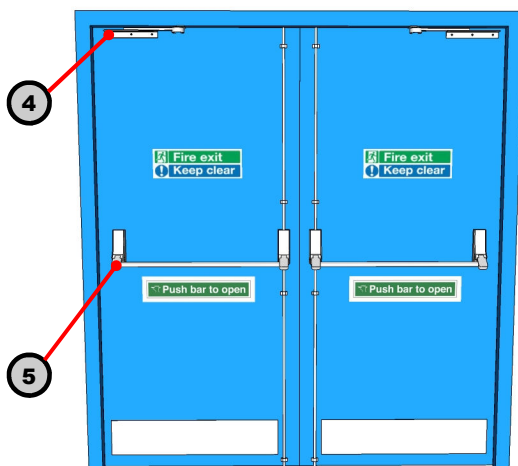


Internal View

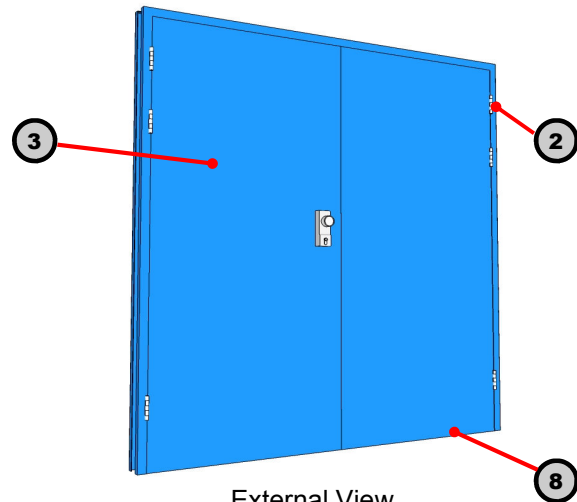


External View

DOUBLE FIRE ESCAPE



Internal View

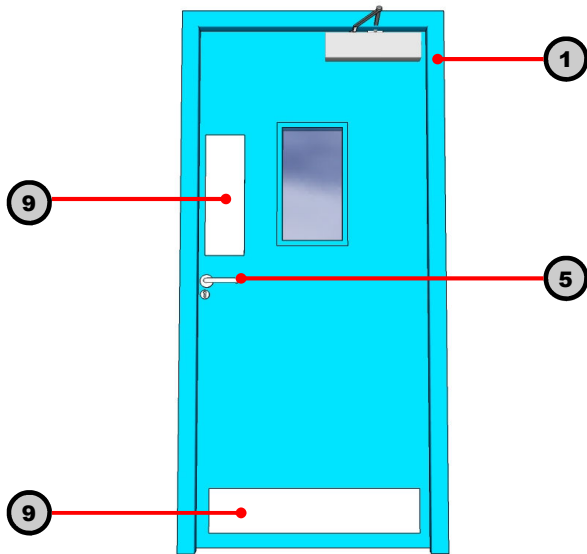


External View

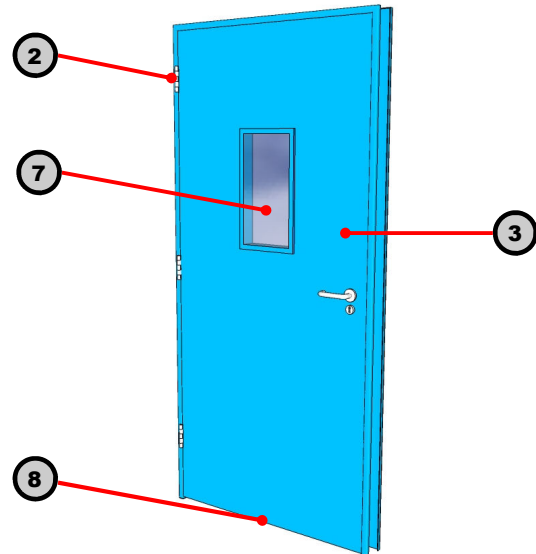
- ① Single or Double Rebate Frame (See Data Sheet Number **HNGD 03**)
- ② Stainless Steel Hinges (See Data Sheet Number **HNGD 10**)
- ③ Door Leaf Infill (See Data Sheet Number **HNGD 01 & 02**)
- ④ Door Stay (See Data Sheet Number **HNGD 10**)
- ⑤ Emergency Exit Hardware (See Data Sheet Number **HNGD 06 & 07**)
- ⑥ Types Of Finishes (See Data Sheet Number **HNGD 01 & 02**)
- ⑦ External Access Device (See Data Sheet Number **HNGD 06 & 07**)
- ⑧ Thresholds (See Data Sheet Number **HNGD 09**)
- ⑨ Kick & Push Plates (See Data Sheet Number **HNGD 10**)



SINGLE PERSONNEL DOOR

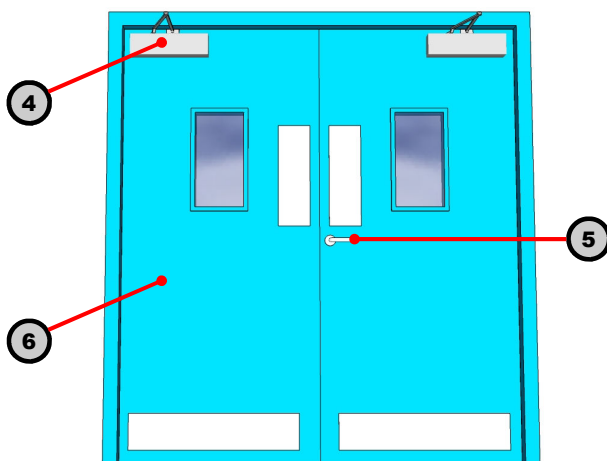


Internal View

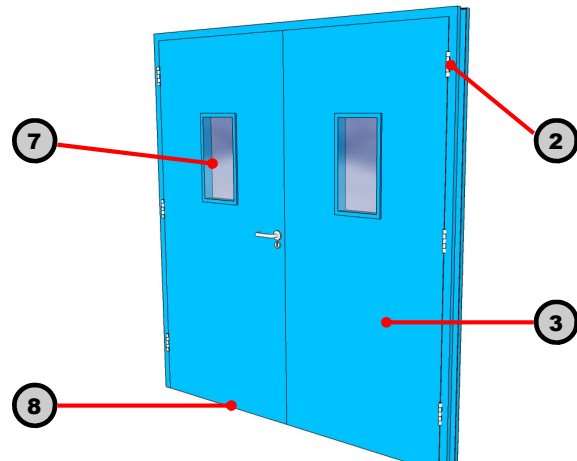


External View

DOUBLE PERSONNEL DOOR



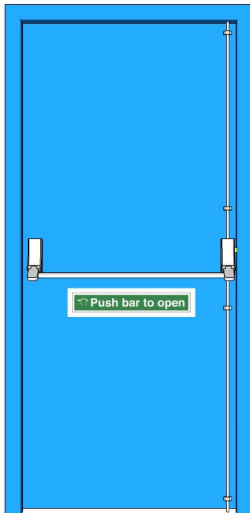
Internal View



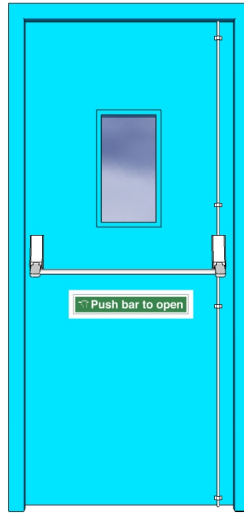
External View

- ① Single or Double Rebate Frame (See Data Sheet Number **HNGD 03**)
- ② Stainless Steel Hinges (See Data Sheet Number **HNGD 10**)
- ③ Door Leaf Infill (See Data Sheet Number **HNGD 01 & 02**)
- ④ Overhead Door Closer (See Data Sheet Number **HNGD 10**)
- ⑤ Locks & Handles (See Data Sheet Number **HNGD 08**)
- ⑥ Types Of Finishes (See Data Sheet Number **HNGD 01 & 02**)
- ⑦ Types of Vision Panels (See Data Sheet Number **HNGD 11**)
- ⑧ Thresholds (See Data Sheet Number **HNGD 09**)
- ⑨ Kick & Push Plates (See Data Sheet **HNGD 10**)

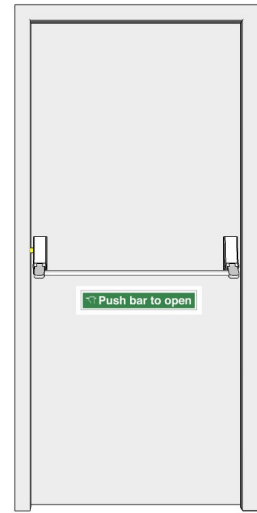




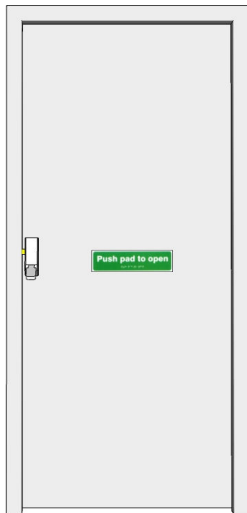
3 Point Panic Bolt



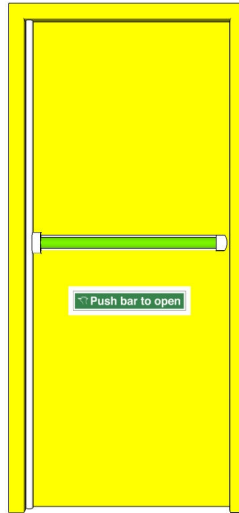
2 Point Panic Bolt



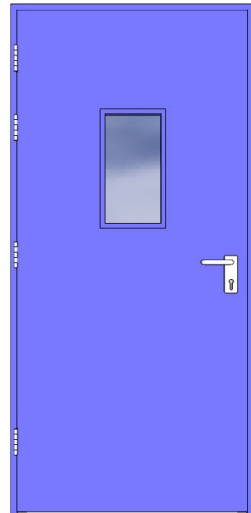
Panic Bar/Latch



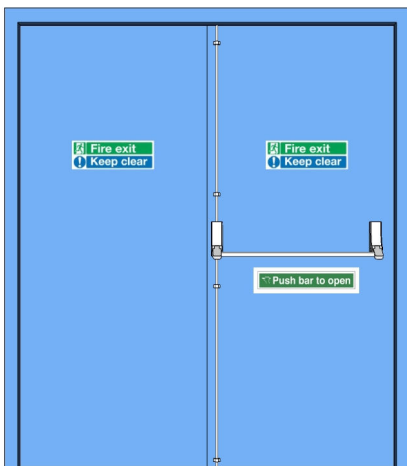
Push Pad Latch



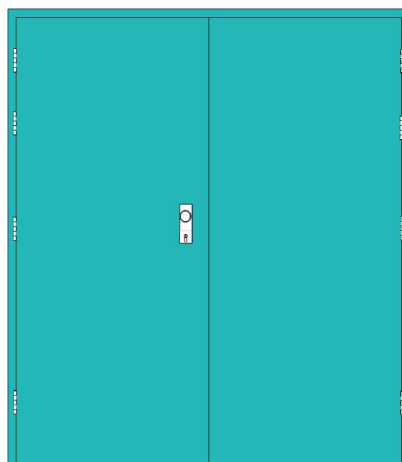
**Panama Concealed Rod
(3 Point Locking)**



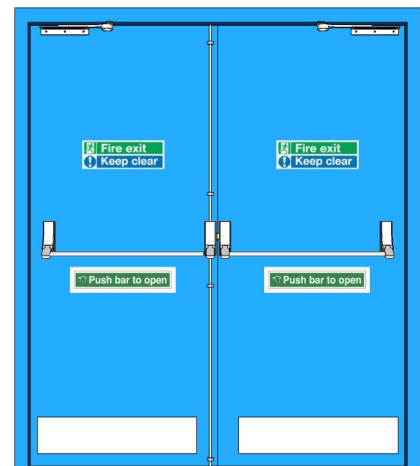
**External Access Device
(Lever set)**



**2 Point Panic Bolt
(Active Leaf)**

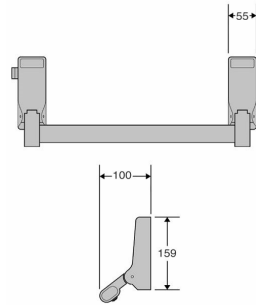


**External Access Device
(Knobset)**



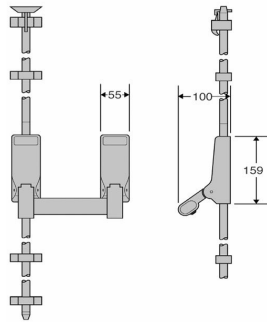
**Panic Latch (Active Leaf),
2 Point Panic Bolt (Passive Leaf)**

Panic Latch



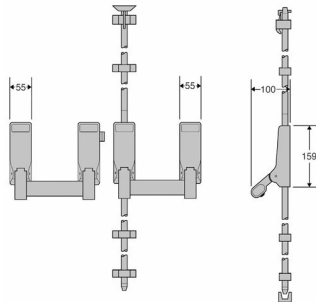
- Suitable for LH/RH single doors
- Durable powder coated silverite finish to match standard finish on door closers
- Instructions/templates/screw pack supplied for timber fixing surface mounted

2 Point Panic Bolt



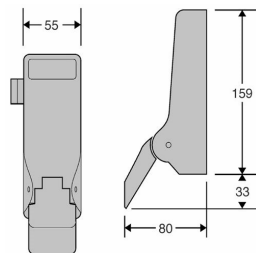
- Successfully type tested BS EN 1125
- Certificates are available on request
- Suitable for LH/RH single doors
- Durable powder coated silverite finish to match standard finish on door closers
- Automatic top catch/easy clean socket
- Main body fitted with anti thrust device to secure top/bottom rods against leverage
- Instructions/templates/screw pack supplied for timber fixing surface mounted

Panic Latch & Panic Bolt



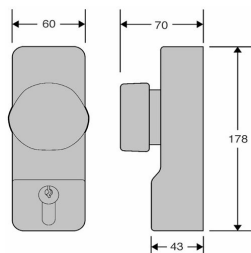
- Suitable for pairs of rebated doors
- Durable powder coated silverite finish to match standard finish on door closers
- Package incorporates Single Panic Bolt, Panic Latch and Box Keep
- Automatic top catch/easy clean socket
- Main body Single Panic Bolt fitted with anti thrust device to secure top/bottom rods against leverage
- Instructions/templates/screw pack supplied for timber fixing surface mounted

Push Pad



- Suitable for LH/RH single doors
- Durable powder coated silverite finish to match standard finish on Ryobi door closers
- Instructions/templates/screw pack supplied for timber fixing

External Access Device



- Suitable for LH/RH doors
- Durable powder coated silverite finish, to match standard finish on door closers
- Bolt through fixing for security
- Supplied complete with euro cylinder standard differs, three keyed
- Optional cylinders produced keyed alike or under controlling master key

Round Lever Latch Set

- Fixing: Concealed fix
- Lever: 20mm round rose
- Springing: Internal spring mechanism
- Coverplate: 53 x 10mm pressed
- Spindle: 7.6mm steel. Suitable for doors of 35 - 50mm thickness
- Fixings: Wood screws, bolt through and spindle fixing

Lever Latch Set

- Fixing: Concealed fix
- Lever: 20mm round bar
- Springing: Internal spring mechanism
- Coverplate: 152 x 43 x 10mm pressed
- Spindle: 7.6mm steel. Suitable for doors of 35-50mm thickness
- Fixings: Wood screws, bolt through and spindle fixing

Euro Profile Lever Latch

- Fixing: Concealed fix
- Lever: 20mm round bar
- Springing: Internal spring mechanism
- Coverplate: 152 x 43 x 10mm pressed
- Centres: 57mm
- Spindle: 7.6mm steel. Suitable for doors of 35-50mm thickness
- Fixings: Wood screws, bolt through and spindle fixing

Euro Profile Escutcheon

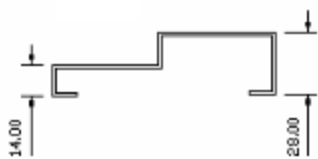
- Fixing: Concealed fix
- Coverplate: 53 x 10mm pressed
- Fixings: Supplied with wood screws

5 Lever Deadlock

- Operation: Deadbolt operated by key from either side
- Deadbolt: Brass, complete with two hardened steel rollers. Projection 16mm
- Differs: 200
- Keys: Steel nickel plated, 2 supplied

5 Lever Sashlock

- Operation: Latchbolt operated by lever handle both sides. Deadbolt operated by key from either side
- Latchbolt: Brass, reversible projection 12mm
- Deadbolt: Brass, complete with two hardened steel rollers. Projection 16mm
- Differs: 200
- Keys: Steel nickel plated, 2 supplied



Specify - Type A

This type of cill is used when perhaps the floor outside is raised. Using this cill will allow the door to swing freely open without being obstructed by the outside floor.



Specify - Type B

This cill is only ever used on an inward opening door. The cill is fitted in the rebate of the frame, with the slope running down towards the outside. Thus if any rain runs down the door onto the cill it will then run down the slope of the cill and onto the outside floor.



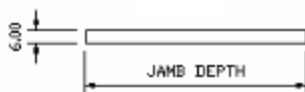
Specify - Type C

Type C cill is commonly used on doors where perhaps wheelchairs, trolleys, etc. are common traffic through the doors.



Specify - Type D

Type D cill is used in the same situations as type C cill.



Specify - Type E

This is a 6mm flat bar cill which fits directly under the frame. This cill is particularly good when the floor isn't finished or is uneven or crumbly etc. Please note that this is not a standard cill and is chargeable.



Specify - Type F

This cill fits at the back of the frame. A good cill to choose if a flat low level cill is required, also if a panic bolt is being used on the door.



Specify - Type G

Type G is an aluminium latchtrack cill. This is not a standard cill and is therefore chargeable.



Specify - Type H

The most popular cill is the H type. It is similar to type F but it has a leading face which fits under the door. Good for every kind of purpose, particularly panic bolts.



Specify - Type J

Another cill with a sloping face, again used for the purpose of trolleys and wheelchairs etc. This has a deeper back of 25mm compared to cills C and D.

Surface Mounted Door Closer



Typical Applications:

Commercial, Industrial, Office units, Store rooms, Domestic. Specify for non public areas where the limitations of the closer are respected.

- **Fixed Spring Power 3**
- Standard finish silver
- Fixed power size 3



Friction Stay



Installed on open out doors, particularly in windy locations. Reduces the risk of damage when the door is thrown open or the wind catches it. Adjustable via the pivot point.



Pull Handle

Available Finishes :
Polished Anodised Aluminium / Polished Brass
Polished Stainless Steel / Satin Stainless Steel

Size: 225 x 20mm handle
Fixing: Face fix
Door thickness: Up to 44mm



Pull Handle on Plate

Available Finishes :
Polished Anodised Aluminium / Polished Brass
Polished Stainless Steel / Satin Stainless Steel

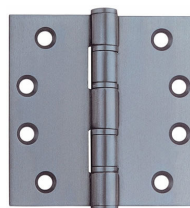
Handle Size: 225 x 20mm handle,
Plate Size: 300 x 75mm radius corner plate
Door thickness: Unlimited



Push Plates

Beveled edges provide a tamper and vandal proof Solution.
Custom shapes and finishes available.

Steel Door Hinges



Stainless Steel



Dog Bolt

Kick Plates

Prevents gouges, scuffs and scratches.
Custom shapes and finishes available.

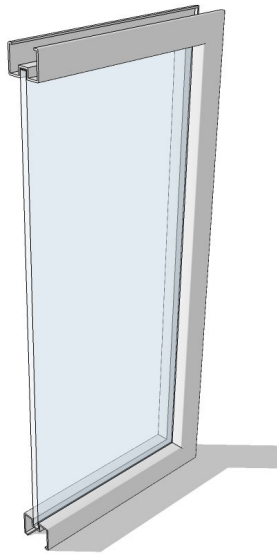


Butt Hinge

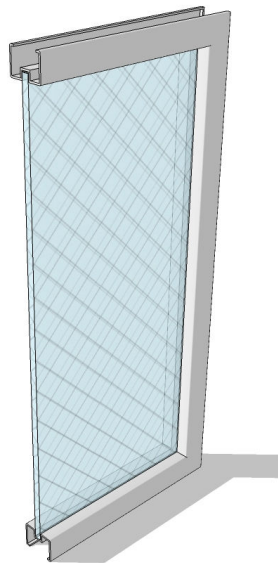


Project Hinge

Clear Glass



Georgian Wired Glass



RECTANGULAR VISION PANELS

Material : 20GA. Cold rolled steel grades 304 and 316 stainless steel

Finish : Galvanised Grey Primed as standard, other finishes available to special order

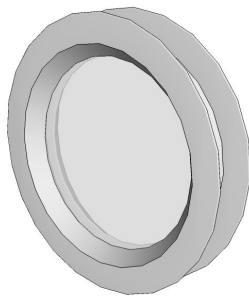
Door Thickness : 44-46mm Steel Doors

Glass Thickness : 6mm as standard

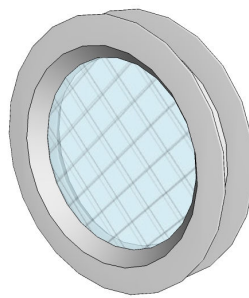
Aesthetics : Tight mitred corners, bevelled glass stop and low profile.

Rating : Fire tested to 4 Hours on Steel Doors

CIRCULAR VISION PANELS



Clear Glass



Georgian Wired Glass

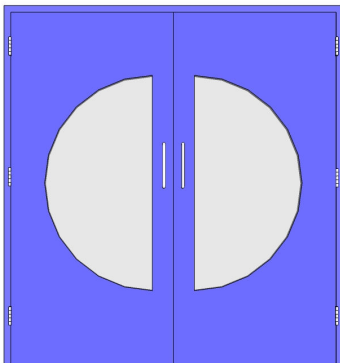
Available in three diameters :
240mm, 406mm or 559mm

Frame Finish : Zinc Plated Grey Primer as standard, other finishes available to special order.

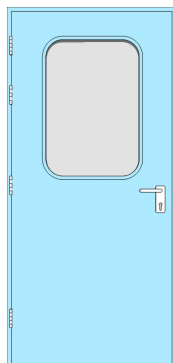


CUSTOM SHAPES

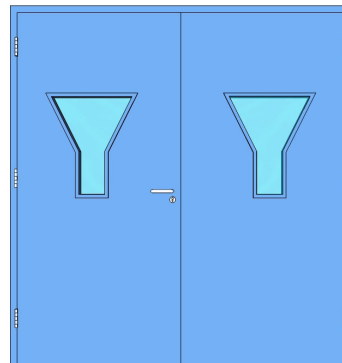
Half Circle



Round Corner



Champagne



Race Track

