

Install info

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SFS Hinges 2D-C & 2D-F

Before you start

Familiarise yourself with this guide

These instructions must be read and completely understood before any work commences.

Do not remove existing door until you have checked...

- *The sizes are correct and you have everything as ordered*
 - *The paperwork to ensure it is the correct specification*
 - *Any damage to the door (do not install a damaged door)*
-

Removing the Existing Door

Remove the existing door leaf.

To help reduce the damage to wall decorations and plaster, score around the perimeter of the frame with a craft knife. Saw through the jambs and remove. The best way to do this is by sawing diagonally in the centre and removing them in two sections. Do not saw them all the way through as this can cause damage to the internal reveals or structure. If there is a chance this will happen, use a bearing block to protect the plaster and render, then lever the jambs away from the walls and complete the cuts. Remove the top and bottom rails in the same way.

Preparing the Opening

Once the door has been removed, ensure the opening is free from screws, nails, fillers and mastic.

Repair as required in accordance with BPF recommendations.

The opening should be complete before fitting the door.

Check there's a lintel or other load transferring structure fitted above the doorway.

Door Alignment

The positioning of the door within the brickwork is vital to the correct functioning of the door.

- *Frame is square and plumb in both planes*
- *Door outer frame set back as far as possible to reduce exposure to elements*
- *Bridge the wall cavity*
- *Cover the DPC*
- *Frame is square and not twisted*

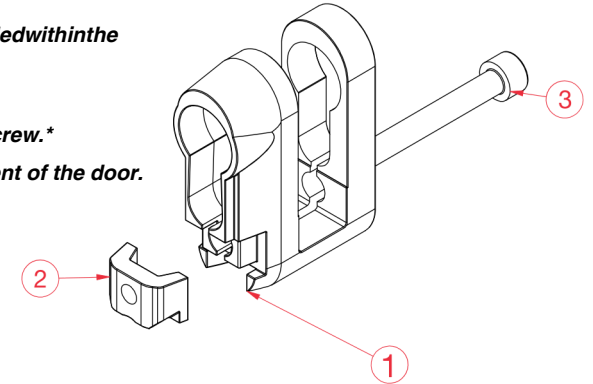
Yale Guard Cylinder Lock

1. Yale one piece Cylinder Guard Installed within the door at manufacture.

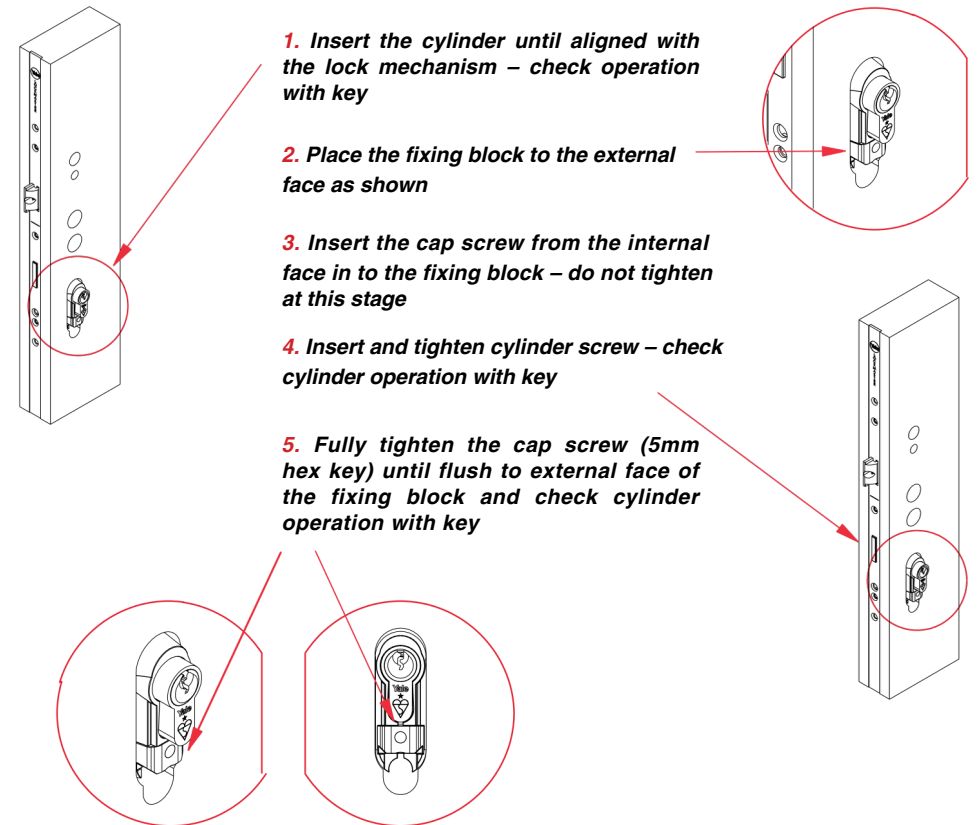
2. Yale Cylinder Guard Fixing Block.*

3. YCG m6x45mm Socket head cap screw.*

**Supplied separately in accompaniment of the door.*



Step by step instructions

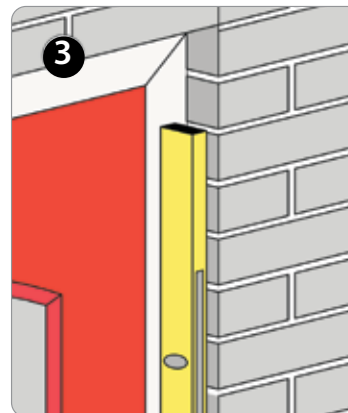


Lock Cylinder Fitting Instructions



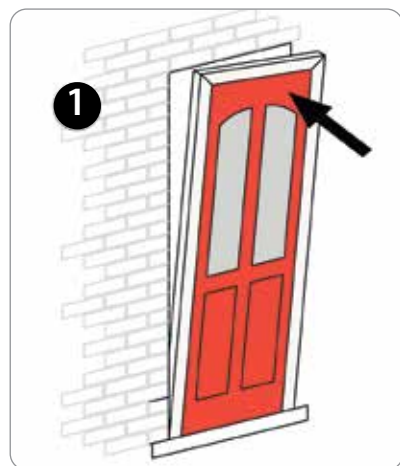
1. Insert cylinder and turn the key slightly. **2.** Insert screw and tighten.

Refer to separate hinge instructions on Pages 10 - 13 if you have ordered other than Butt (fixed) Hinges



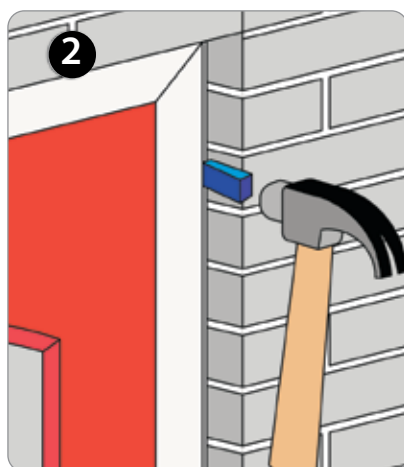
3. Spirit level (1.5m Long) should be used to ensure jambs are square and plumb in all planes.

Door set installation

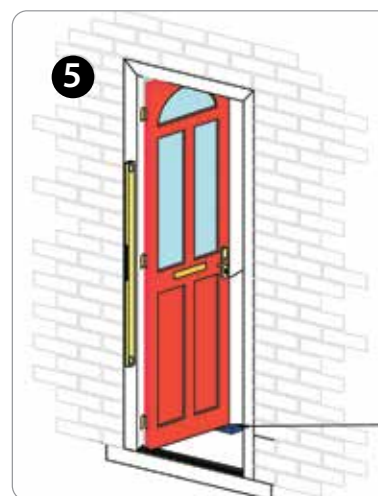


1. Offer complete door unit into brickwork opening.

2. Hold frame into position using appropriate size wedge packers. Packers must be located adjacent to fixing positions to prevent distortion of the outer frame when frame fixings are tightened. Failure to adhere to this may result in door function issues.



4. The leaf may be removed from the frame to ease installation. Final adjustments to frame position may be necessary when using fixed hinges. Once square and plumb, fix as per instructions. (See fixing positions)



5. Pack the bottom of the door leaf at the leading edge to assist getting square into outerframe.



Fixing positions

These positions are for guidelines only.

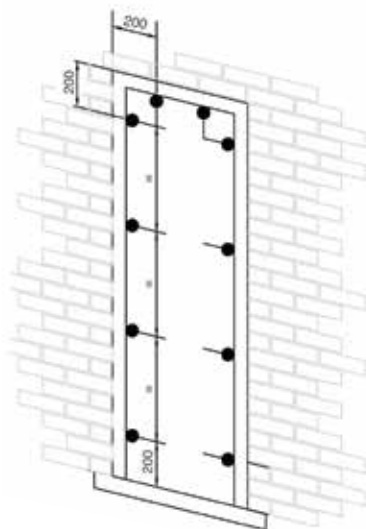
Ensure fixings are into secure substrate.
Recommended fixing positions are as follows:

Corner fixings: 150mm minimum and a maximum of 250mm from external corner.

Intermediate fixings: Centres not exceeding 600mm.

Transoms fixing: Should not be closer than 150mm from transom centre line and no greater than 250mm.

Alternative fixing may be required due to lintel location.



Drilling

Drill holes through the frame as indicated (ensuring the holes are as recommended by the frame fixing manufacturer).

Do not screw into the base of the door, as it can disrupt drainage and cause water to flow incorrectly.

Secure the frame to the brickwork (NOT MORTAR) with suitable frame fixings. Ensure the fixing is secure and correctly positioned in the brickwork.

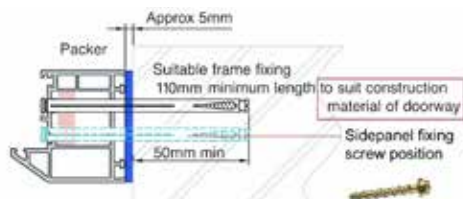
Fixings

The outerframe should be secured into the brickwork using industry standard plastic sheathed frame fixings. These should be a minimum of 100mm long and fixed into the masonry by a minimum of 50mm.

Tighten and secure all the fixings to ensure the frame is square.

Care should be taken not to over-tighten the frame fixings to avoid distortion of the frame.

Recommended fixings are plastic sheathed frame fixing bolts minimum length 8 x 100 mm.



Fixing Side Panel To Main Door Frame

Note the recommended side-panel specific fixing point in the above diagram.

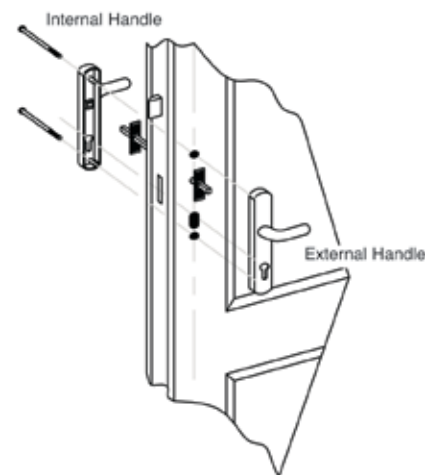
Pre-drill fixing positions required for transom screw (SH01 4.8 x 65mm)

Apply silicone to the entire length between the PVC-U profile and aluminium coupler on both faces.

There should be a minimum of 4 fixings each side of the frame coupling profile.

Ensure fixings are staggered to avoid collision on the opposite side of profile.

Traditional Hardware Fittings

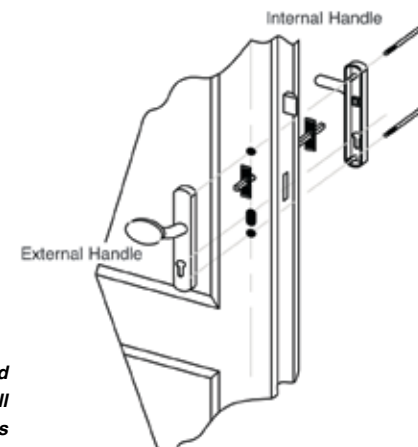


Fixings

To fit door handle set, locate spindle through square hole in lock mechanism. Align projecting pins on internal half of door handle set with pre-drilled holes in door slab.

Ensure handle spring washers are in position and secure using fixing screws supplied.

NB: If your furniture selection is fixed handle for the Slam Lock (Winkhaus AV2), discard spring loaded plate and insert the supplied locking plate. Note the shorter spindle must be used.

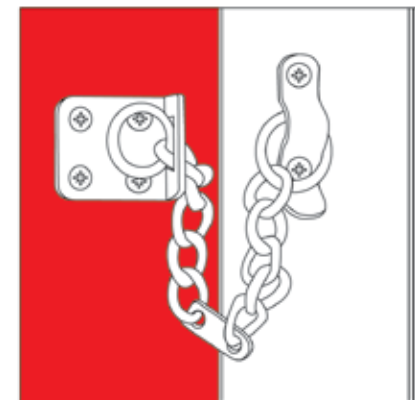


NB: When the door has been fixed into position the operation of the door opening and locking mechanism must be checked to ensure uniform contact with weatherseals and correct function of handle/lock.

Fixing Security Chain

The security chain should be positioned into the desired location for ease of use (i.e. to suit the persons who will be required to use the device) Mark the fixing positions onto the door/frame using the pre-drilled holes in fittings as a template. Move the security chain and drill pilot holes in the marked positions, use the screws provided to secure.

NB: Care should be taken when the fittings are positioned to ensure the security chain will function correctly.



Fixing Decorative Numerals

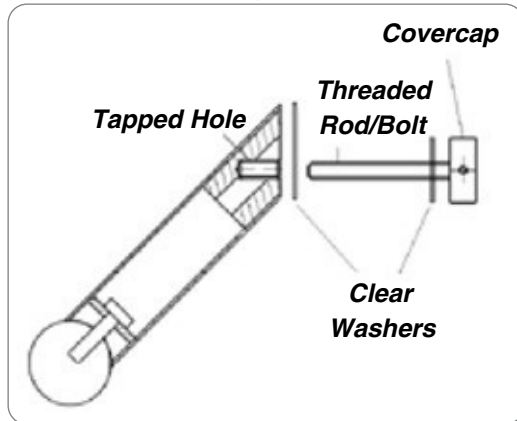
Numerals should be located in the desired position on the composite door, when satisfied this is correct, the holes in the numerals should be used as a template to mark the required pilot holes to fix. Drill pilot holes and use the screws provided to secure to the door.

Contemporary Hardware Fittings

Regardless of handle Shape / Design the below instructions are to be used.

Single version - bolt fix

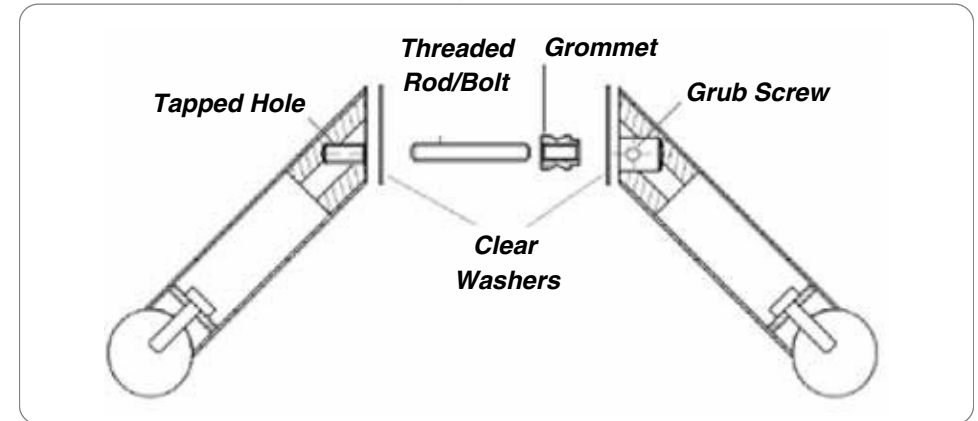
Offset Example from above



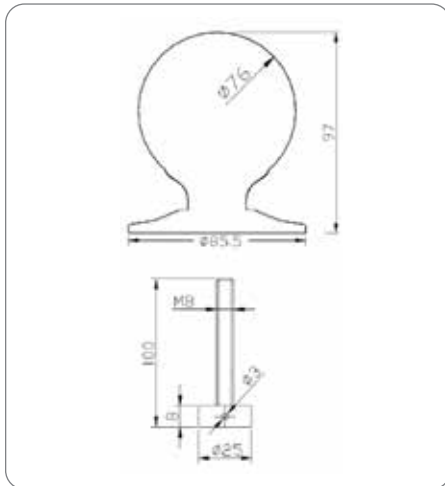
- 1** *Assemble the pull handles onto the door as shown. The Covercap and bolt simply push through the door and screw into the pre drilled hole within the pull handle.*
- 2** *Remember to include clear washers to protect the door surface.*

Double version – back to back Fix

Offset Example from above

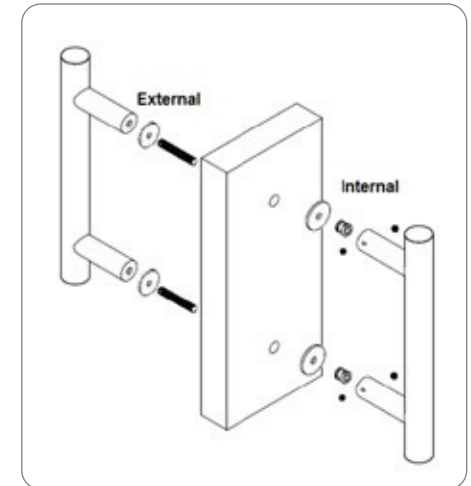


Central Knob from above



Inline Example as main view

- 1 Assemble the pull handles onto the door as shown. The threaded rod will simply push through the door and screw into the pre drilled hole within the pull handle.
- 2 Add the grommet to the opposite side to assist with rotation and securely hold the items in place.
- 3 Include clear washers to protect the door surface. Once the external pull handle is held in place with the threaded rod and the grommet, add the internal handle.
- 4 Offer the product onto the grommet and fix in place using the grub screws within the neck of the pull handle.



SFS Hinges 2D-C



Tools required

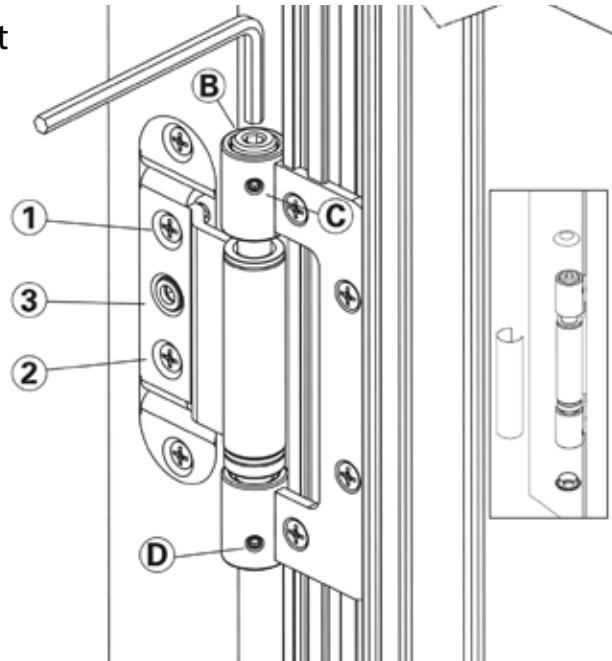
- 4mm Allen Key
- Phillips head screwdriver

Horizontal Adjustment

Unscrew by three turns, screws 1 and 2. Tighten or loosen alternately screw 3 with a 4 mm Allen Key. Tighten screws 1 and 2.

Adjustment $\pm 2\text{mm}$.

Insert caps and cover.



Height Adjustment

Loosen the screws marked C and D. Turn the pin with a 4mm Allen Key.

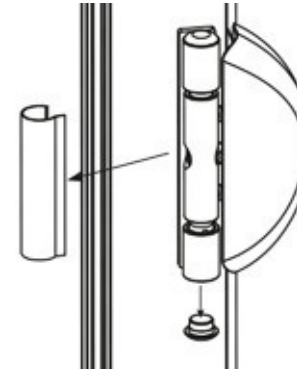
Adjustment: $-2/+6\text{mm}$.

Insert caps and cover.

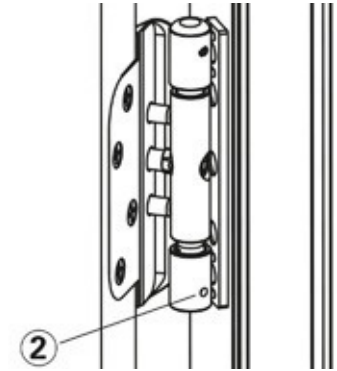
SFS Hinges 2D-F

Tools required

- 5mm Allen Key
- 9mm spanner (optional)



Remove the lower cap and the cover cap

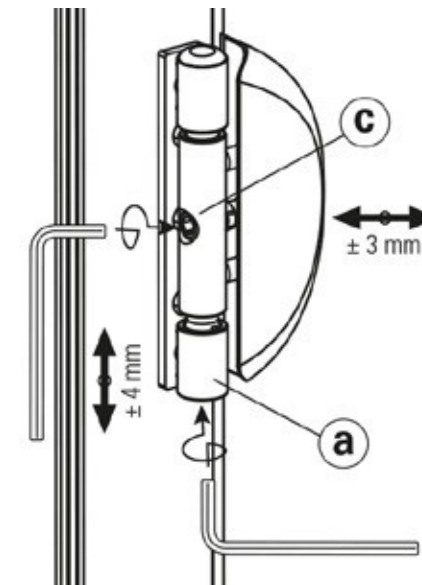
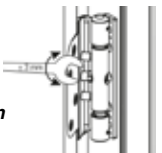


Open the door and unscrew, but do not fully remove the lower security screw marked 2.

Horizontal Adjustment

Adjust by turning screw C with a 5mm Allen Key.

In difficult situations it is possible to make the horizontal adjustment from inside turning the hexagonal nut with a 9mm spanner (accessory available from DSI customer services).



Height Adjustment

Adjust by turning pin A with a 5mm Allen Key.

When finished, open the door and tighten security screw 2.

Re-insert cap and cover cap.

Fitting

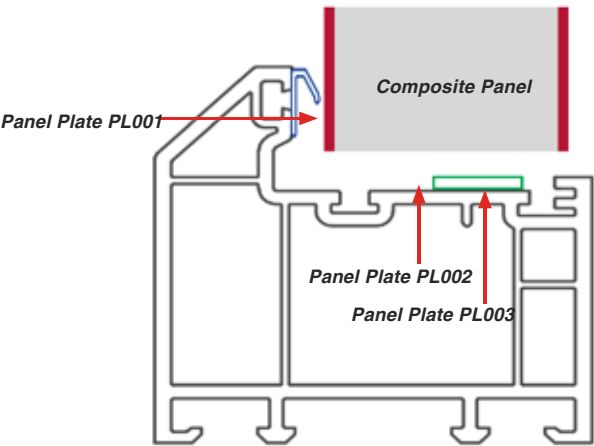
Fit Panel Lok on the vertical bars at the centre shown in Fig A and Fig B.

It may be advisable to pack then screw fix the mullion through to the panel at these points.

Fit additional sets central at these points.

Pack here to allow for required gap on brush seal.

All drawings are not to scale Reinforcement and fixings have been omitted for clarity.



Releasing

