



Experience simplicity.

Arriva

Concealed frame doorsets



1

2

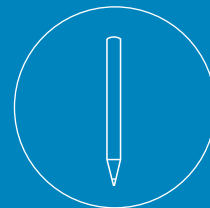
Installation instructions

Thank you for choosing Arriva

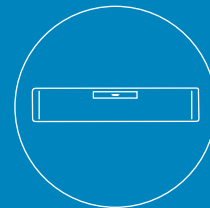
To ensure the installation process is simple and efficient we recommended you read this guide in full before you begin.

Tools required

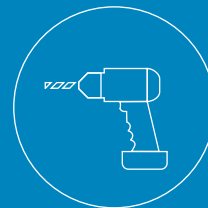
To install your Arriva doorset you will need the following tools:



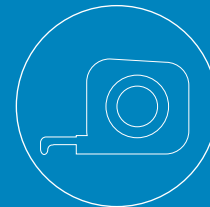
Pencil



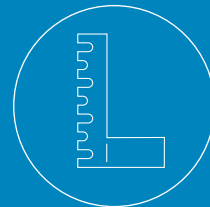
Spirit level



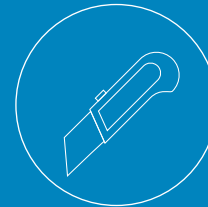
Cordless screwdriver



Tape measure



Set square



Knife

Getting started

Before installation, please ensure the system specifications correspond with your project schedule.

Preparing for installation

Your delivery will include one or both of the boxes shown depending on your order.

Ensure you have everything you need prior to installation. Sizes should be checked on the frame box.



Frame box



Door leaf

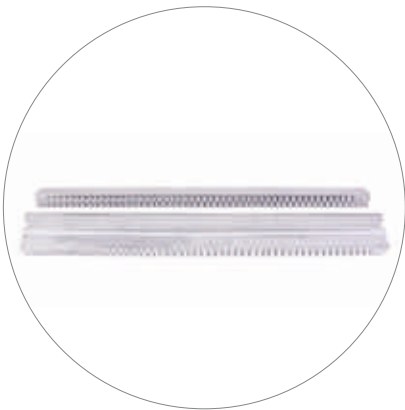
What's included

Identify the components below and ensure you have everything prior to installation.

Frame Kit



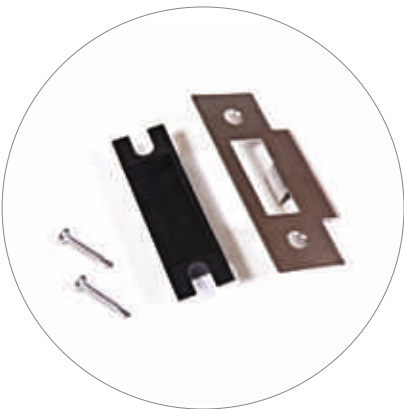
1 Hinge jamb and corresponding reveal



2 Head jamb and corresponding reveal



3 Black plastic head clips



4 Strike plate with plastic insert and fixings



5 Strike jamb and corresponding reveal

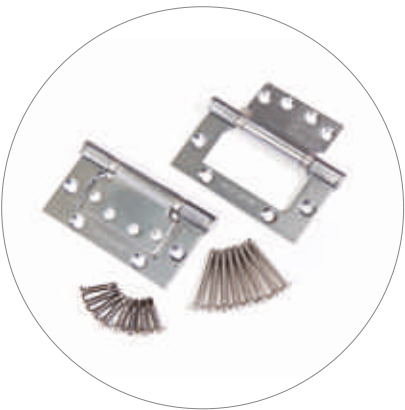


6 Door

Hinge types

Identify your hinge type and ensure all parts are present.

Arriva's hinge options



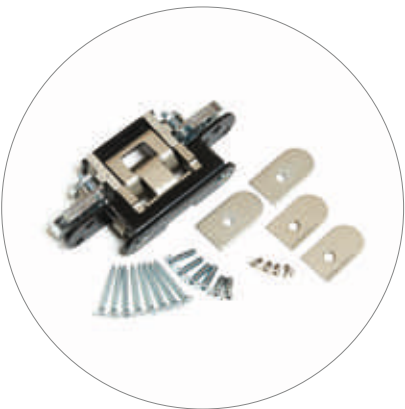
1 Butt hinge



2 SOSS hinge



3 ROC-York hinge



4 Tectus TE 527

Frame installation

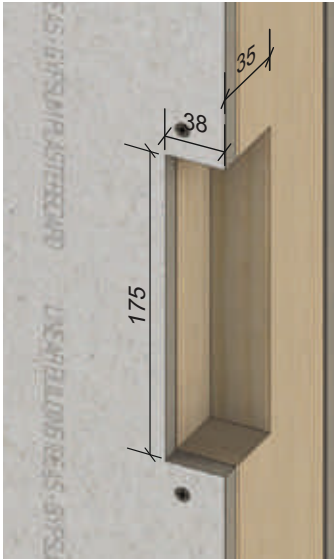
Before installation please ensure you have carried out the recommendations in the ‘Wall Construction Preparation’ booklet.

1

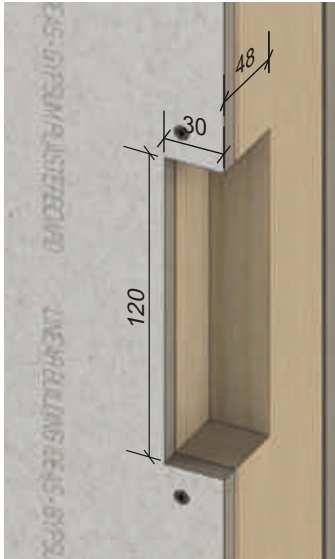
Check opening

Ensure that the opening is square and level and the opening dimensions are correct.

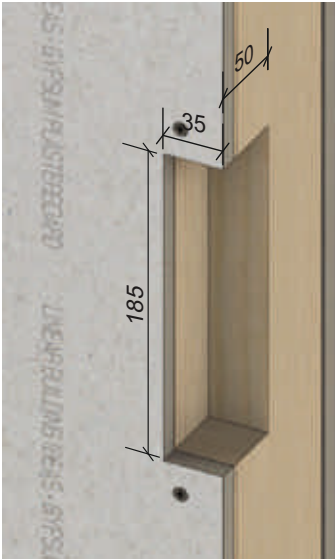
Important
If concealed hinges are to be used, make the notches in the studwork for them now. Details on how to do this are covered in the Arriva hinge installation instructions.



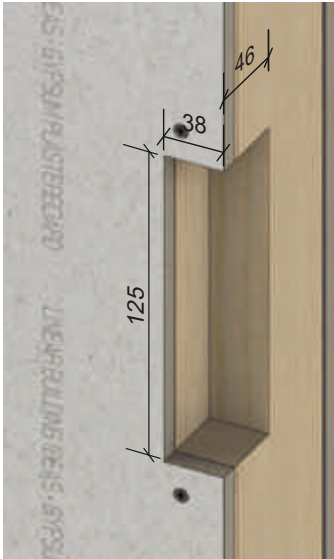
1.1 Tectus notch



1.2 RY-45 notch



1.3 RY-80 notch



1.3 Soss notch

2

Hinge jamb

Ensure the black plastic clip is slotted into the top of the hinge jamb with the slot facing away from the perforated edge.

3

Hinge jamb installation

Take the hinge jamb and corresponding reveal and clip together over the wall. Using a level make sure the hinge jamb is plumb and fix into position using 4 drywall screws along the length of the jamb through the perforated flanges.

Important
Before installation is complete, further screws will be required. This is covered in Step 9. Do not completely secure frame yet.

4

Head jamb preparation

Remove the second black clip from the top of the latch jamb and fit into the latch side of the head jamb.



5

Head jamb installation

Now slot the opposite end of the head into the black clip at the top of the already installed hinge jamb. Clip its associated reveal into place and once level secure with x2 screws either side.

Important

Before installation is complete, further screws will be required. This is covered in Step 9. Do not completely secure frame yet.



7

Install latch jamb

Now the latch mortice has been made, install the strike jamb in the same manner as the head and hinge jamb.

Ensure the frame is plumb and square. A framing square may be useful at this stage.



6

Latch plate position

Now slot the strike jamb over the black clip located into the head in Step 4.

Before fixing the jamb in position, mark out and mortice the latch stud to accommodate the plastic latch plate insert.



8

Hang the door leaf

If you have the door leaf hang the door to ensure it swings correctly and the gaps are correct. If you do not have the door leaf yet, ensure the side jambs are plumb and parallel and the head is level and square.



6.1 Mark



6.2 Cut out

Latch plate preparation

6.1 Mark around the latch plate cut-out onto the stud

6.2 Using a multi tool or suitable tool cut out and remove the section of partition



9

Fix every 200mm

Check the perforated side flanges sit flat against the plasterboard and screw at 200mm increments around the frame through the flange into the studwork.

Double screw all the ends of the frame as shown.

10

Double screw

If using concealed hinges then a double screw is required above and below the hinge notch through the perforated flange as shown.

11

Plaster tape

Apply plaster fibre tape to the top corners at 45 degrees.

Important

If using concealed hinges you will need to apply 2 layers of plaster tape over the hinge jamb.

12

Plastering / Decoration

Finish up to the stop bead with multi-finish plaster skim or tape and jointing compound. This conceals the frame and all fixings.

Once the plaster/jointing compound has dried, the wall and frame can be painted. The frame will need a metal primer applied (if supplied unfinished) and can then be painted as required.



Butt hinge Installation instructions

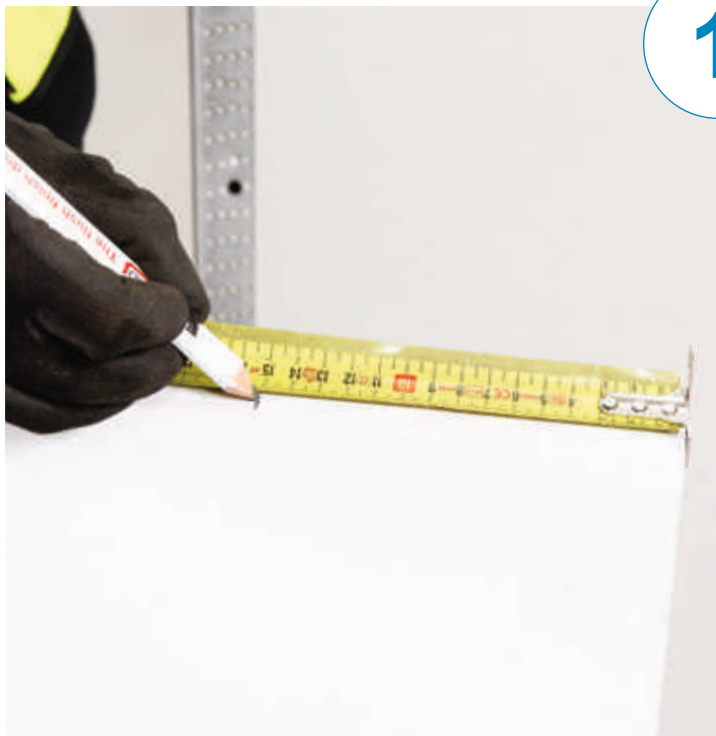


1

Identify, measure and mark

The Selo butt hinges have been specifically designed for the Arriva doorset. They are designed to be surface mounted to the frame and door.

Start off by marking your hinge centres on the door leaf.



2

Fix hinges

Push the barrel of the hinge up to the edge of the door. This should create an overhang on the opposite edge of 1mm. Pilot drill the holes and fix into place using the screws provided.



3

Mark frame

Once the hinges are fitted to the door, stand the door up and take to the door opening.

Accurately mark the position of the top hinge on the frame, making an allowance for a 3mm gap at the top of the door.



4

Test fit

Open out the hinges and offer the door up to the opening so the hinges butt up hard against the door stop. This will give you the correct position.

Fix two of the self-drilling screws provided into the top hinge and then one in the lower hinge to ensure alignment. Test the door to ensure it swings correctly.



5

Final fix

Fix the rest of the hinges. All fixings are provided.

Important

When using the FD60 54mm door hinges, the hinge positions will be governed by the reinforcing plates spot welded to the back of the frame.

When fitting 54mm hinges, it will be necessary to pilot the holes first with a 3mm drill bit.

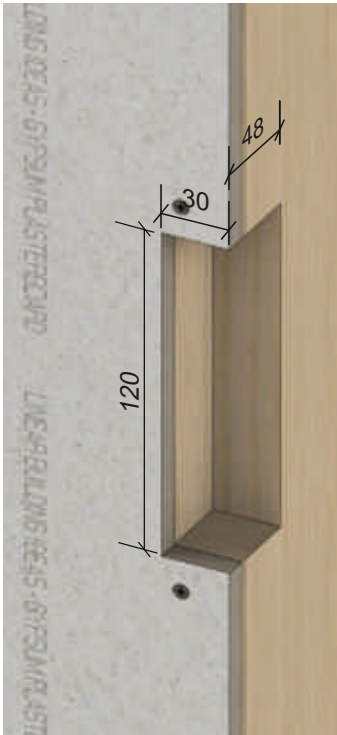


ROC-York hinge Installation instructions

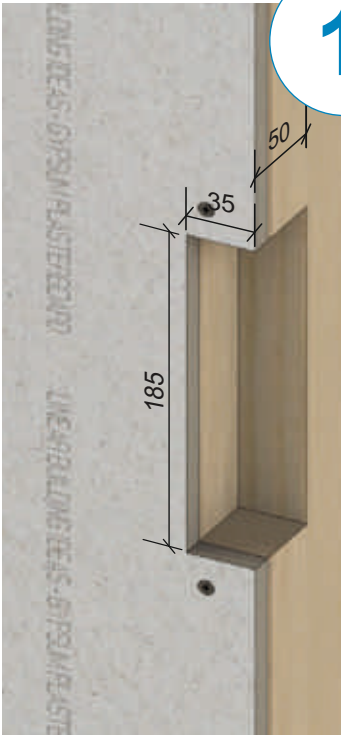


1 Notch hinge stud

The hinge stud needs to be notched to accommodate each bracket and hinge.



RY-45



RY-80



1.1 Offer



1.2 Mark

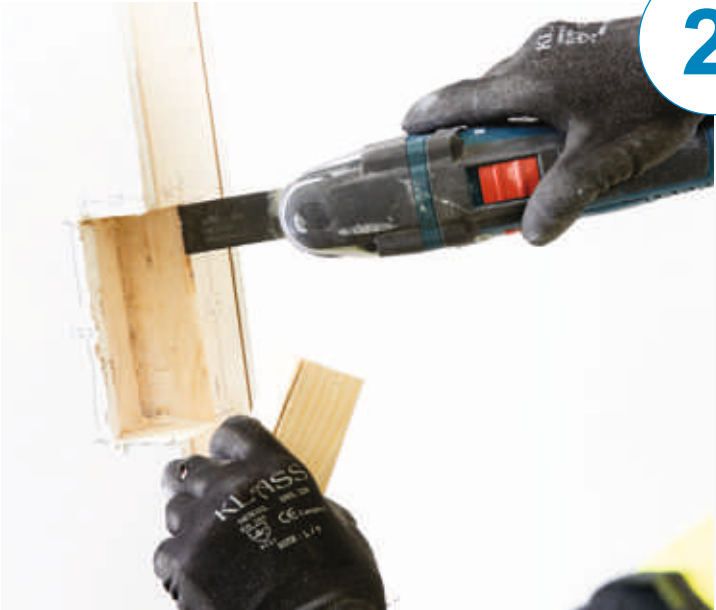
Notch preparation

1.1 Offer the hinge jamb up to the stud and mark a line at the top of the hinge in all the hinge brackets.

1.2 Using template, line the slot in the template up with the lines you have made on the stud and draw around the template.

2 Cut

The recommended tool for cutting the notch is the multi purpose saw. Further details are at the back of the booklet.



3 Identify frame

Arriva frames come pre-morticed for ROC-York hinges. There is a bracket installed on the door frame with pre-threaded holes for simple and secure installation.



4 Fit hinges

Fit the hinges to the door leaf using the screws provided as shown.

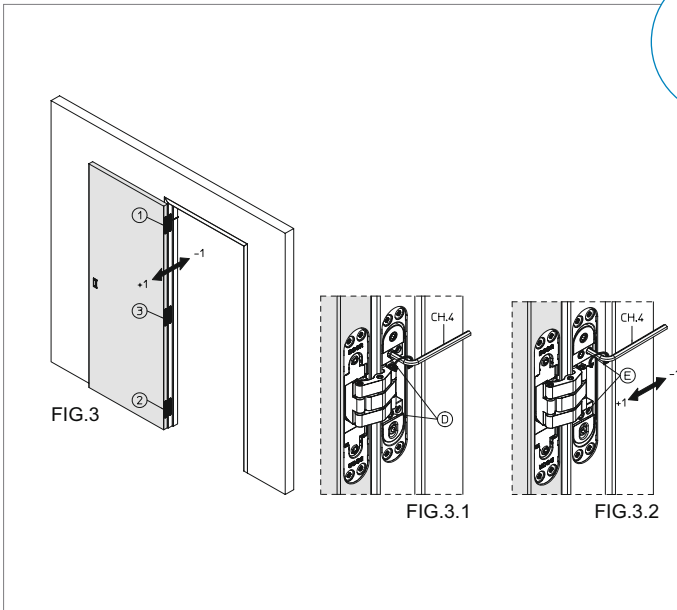




5

Fit to frame

Open out the hinges and with the help of an assistant or a door lifter, offer up and locate the hinges into the mortices in the frame. They are secured using the PH2 bolts provided.



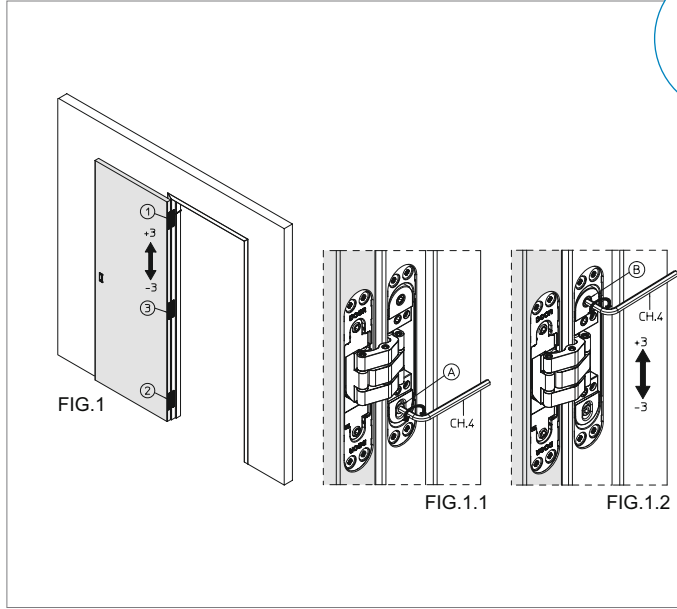
8

FIG.4
Depth adjustment

Loosen screw "D" (fig.3.1). Adjust the door leaf by rotating the screws "E" and tighten screw "D" (fig.3.1). Repeat the adjustment on the other hinges as per sequence shown in Fig.3.

After having reached the optimal adjustment with the screw, fix the screw to lock the hinge without forcing.

FIG.5

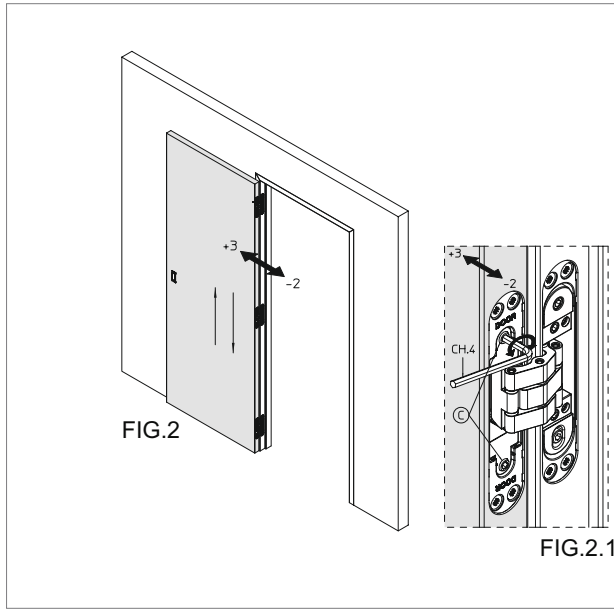


6

Adjustments - Vertical adjustment

Loosen screw "A" on all hinges (fig.1.1). Proceed with the adjustment of the upper hinge (1). Adjust the hinge by rotating screw "B" (fig.1.2), then tighten the screw "A". Repeat the adjustment on the lower hinge (2) and finally on the central hinge in the middle (3) so that the door leaf weight will be evenly distributed on all hinges.

It is extremely important to obtain a definite adjustment by acting gradually on all mounted hinges.



7

Horizontal adjustment

Adjust the door leaf by rotating pins "C" (Wall Construction Preparation. 2.1). Repeat the adjustment on all hinges as shown in the sequence (fig. 2).



9

FIG.5.2
Fit cover plates

Remove the film from the cover plates. Fit the cover plates to the face of the hinge mechanism by carefully clipping into place to finish off the installation.



Remove protective film

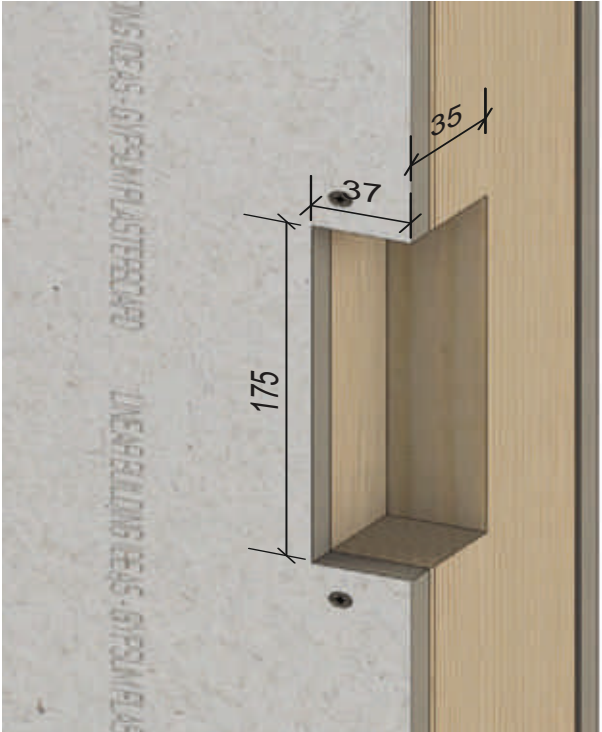
Tectus hinge Installation instructions



1

Notch hinge stud

The hinge stud needs to be notched to accommodate each bracket and hinge.



1.1 Offer



1.2 Mark

Notch preparation

1.1 Offer the hinge jamb up to the stud and mark a line at the top of the hinge in all the hinge brackets.

1.2 Using template, line the slot in the template up with the lines you have made on the stud and draw around the template.

2

Cut

The recommended tool for cutting the notch is the multi purpose saw. Further details are at the back of the booklet.



3

Identify frame

Arriva frames come pre-morticed for Tectus hinges. There is a bracket installed on the door frame with pre-threaded holes for simple and secure installation.



4

Fit hinges

Fit the hinges to the door leaf using the screws provided as shown.

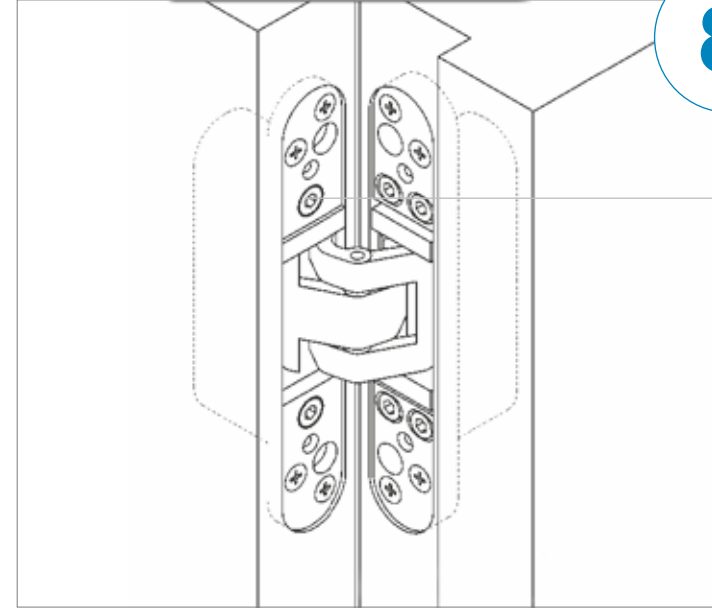




5

Fit to frame

Open out the hinges and with the help of an assistant or a door lifter, offer up and locate the hinges into the mortices in the frame. They are secured using the PH2 bolts provided.

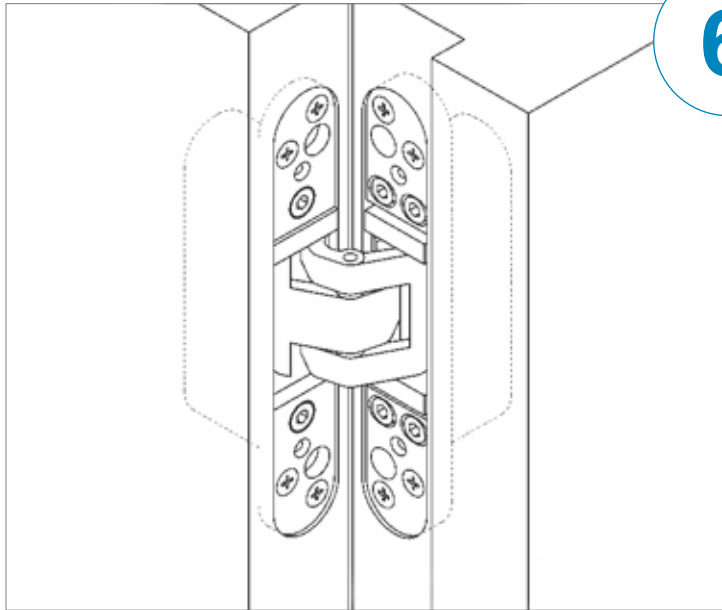


8

Side adjustment

Adjust the adjusting spindles using a 4mm allen key.

Twist left - towards hinge (max. 3mm)
Twist right - towards lock (max. 3mm)



6

Height adjustment

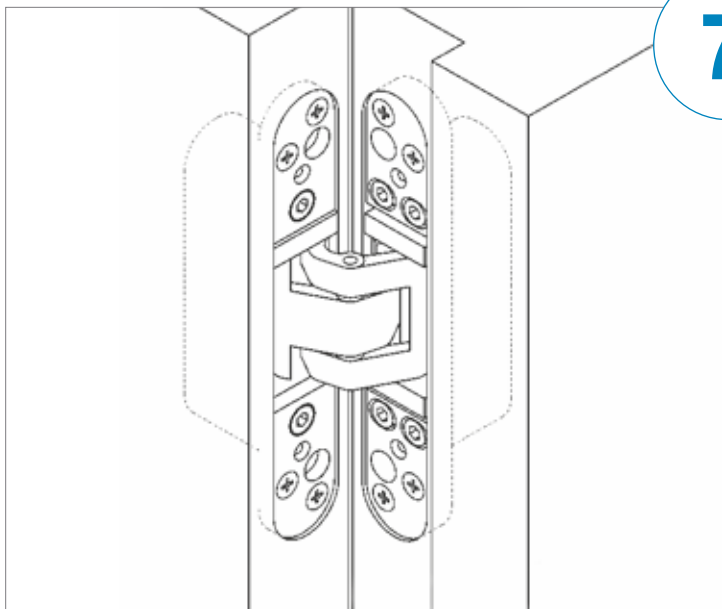
Slightly loosen the clamping screws. Adjust the vertical position of the door and re-tighten the clamping screws.



9

Fit cover plates

Fit the cover plates to the face of the hinge mechanism by using the machine screws provided to finish off the installation.



7

Depth adjustment

Slightly loosen the fitting screws. Put the door to the correct compression and re-tighten the clamping screws.

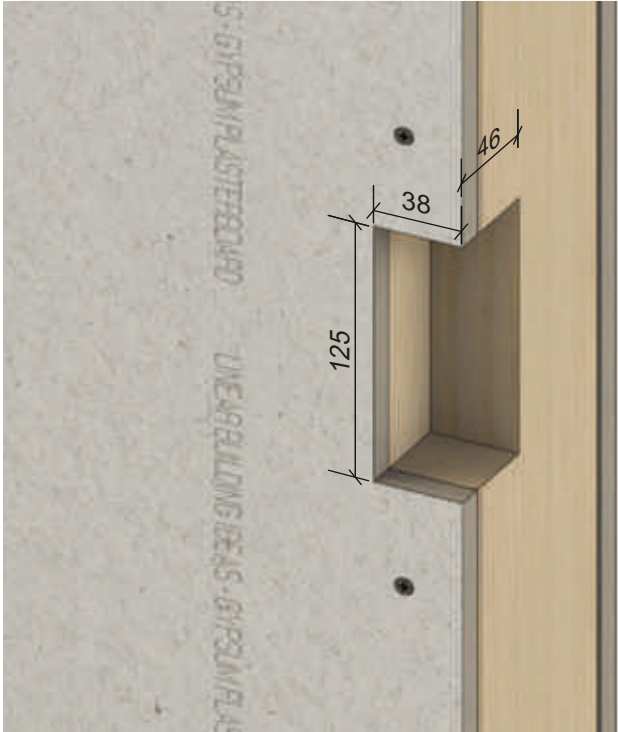
SOSS hinge Installation instructions



1

Notch hinge stud

The hinge stud needs to be notched to accommodate each bracket and hinge.



2

Cut

The recommended tool for cutting the notch is the multi purpose saw. Further details are at the back of the booklet.



3

Identify frame

Arriva frames come pre-morticed for SOSS hinges. There is a bracket installed on the door frame with pre-threaded holes for simple and secure installation.



4

Fit hinges

Fit the hinges to the door leaf using the screws provided as shown.



1.1 Offer



1.2 Mark

Notch preparation

1.1 Offer the hinge jamb up to the stud and mark a line at the top of the hinge in all the hinge brackets.

1.2 Using template, line the slot in the template up with the lines you have made on the stud and draw around the template.

5

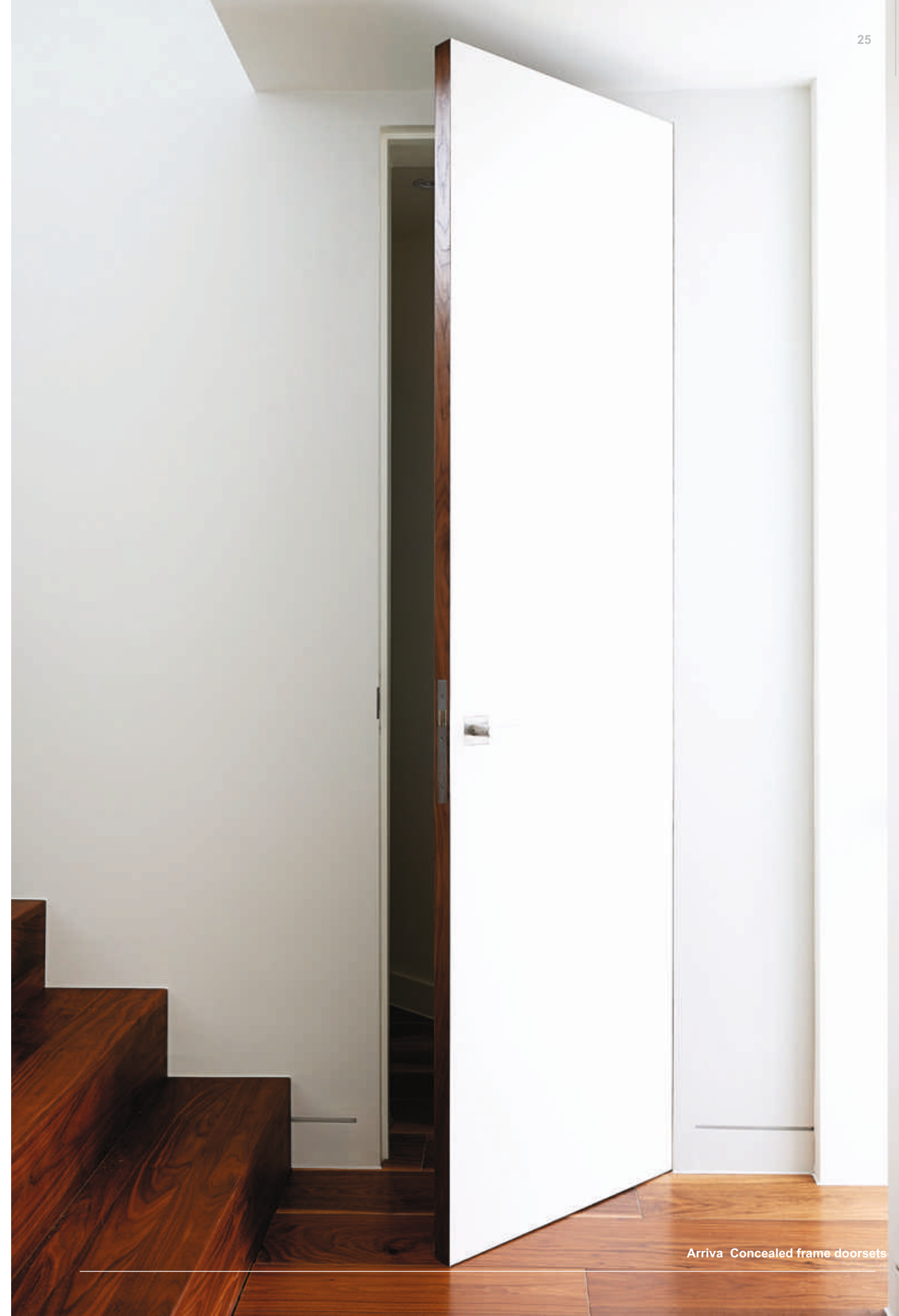
Fit to frame

Open out the hinges and with the help of an assistant or a door lifter, offer up and locate the hinges into the mortices in the frame. They are secured using the PH2 bolts provided.

6

Adjusting the door leaf

If the door needs adjusting or packing out in any way, washers can be used behind the hinge in the door leaf side of the hinge. It is recommended that the washers are fixed to the hinge with an adhesive.



Completing installation

To finalise your installation of your Arriva doorset please follow these remaining steps.

1

Re-hang door leaf

The door can now be hung.



2

Fitting the latch

Fit the latch or lock to the door. Fitting of the strike / latch plate is straight forward as it is surface mounted over the frame via x2 PH2 self drilling screws.

Important

Keep the drill torque low to avoid turning the screws out of the frame or loosening the thread.



Congratulations!

You have now completed installation of your Arriva Concealed frame doorset.



Multi purpose saw

Multi-tool

The recommended tool for cutting in the notches is the multi purpose saw. This can be hired or purchased from Em-B

Purchase

£200.00 + VAT

Includes the Bosch multi-tool and x2 blades.

Hire

First week **£70.00 + VAT**

Includes delivery and collection plus x1 blade.

£20.00 + VAT per week thereafter.

Additional blades

£20.00 + VAT

x1 standard multi purpose blade for timber and metal.

For more information speak to one of our advisors today:

tel 0113 245 9559

email info@em-b.co.uk



Correct storage of timber doors

Important information

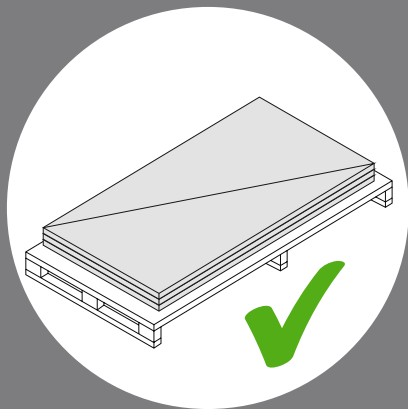
It is important that timber doors are stored in the correct manner prior to installation. Let solid wood doors acclimatise at normal room temperature for several days prior to installation.

They must be protected from exposure to excessive moisture and stored horizontally on a level surface on 3 or more equally spaced bearers, away from ground floor level. It is also recommended that any wrappings be left in place for as long as possible.

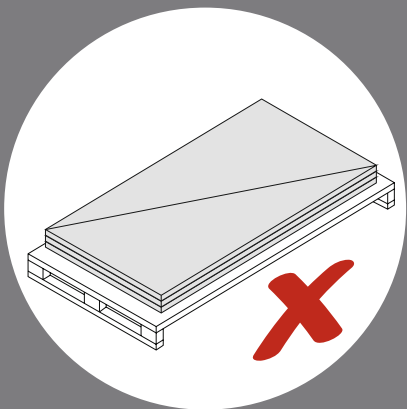
Do not lean doors on their edge up against a wall. This will almost certainly cause them to warp and distort.

Fire door leafs and doorsets are internal joinery components. As such, their handling and storage prior to installation should ensure that they are protected from rain, sun, and splashing by corrosive or staining materials - preferably in a ventilated building.

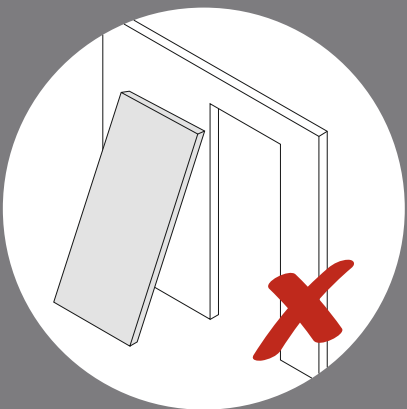
Door leafs and doorsets that are clear lacquered or varnished should be subject to storage that protects them from being unevenly exposed to sunlight.



Laid flat with load spread evenly



Laid flat with load spread too wide



Leant against wall

Simplifying interior design and functionality

Doorset solutions:



Arriva & Innova

Concealed frame doorsets



Quadra & Una

Riser door systems



Enigma

Pocket sliding door systems



Leeds Office
Forge House
42-44 Burley Road
Leeds
LS3 1JX
T: 0113 245 9559
F: 0113 245 9779

Ashford Office
Ground Floor, Unit 4
Highpoint Business
Village, Ashford
TN24 8DH
T: 0123 364 7788
F: 0123 365 5244

Birmingham Office
Suite 412
51 Pinfold Street
Birmingham
B2 4AY
T: 0121 369 2045
F: 0121 369 2046

London Office
Hamilton House
Mabledon Place
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T: 0207 099 8299
F: 0207 099 9351

Manchester Office
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Manchester
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