

Fire rating:
NFR > FD30

Frame type:
Standard

selo[®]

Experience simplicity.

Enigma

Pocket sliding door systems



1

2

SFI

Frame installation instructions

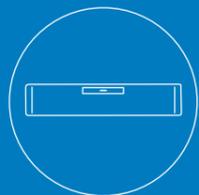
Thank you for choosing Enigma

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

Tools required



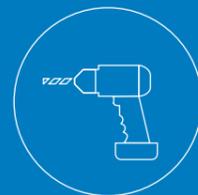
Pencil



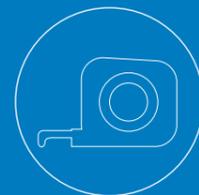
Spirit level



Laser Level



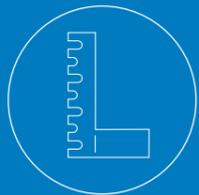
Cordless screwdriver



Tape measure



Tin snips or hacksaw



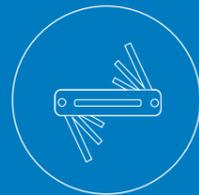
Set square



Knife



Power chop saw



Allen keys (metric)

Getting started

Before you start installation ensure you have read and understood the instructions.

Delivery

The Enigma pocket door system will be delivered in two boxes. One is the pocket frame and the other is the trim surround.

If a door leaf has been ordered this will come separately.



Scan to watch the installation video.
www.selo-uk.com/video

IMPORTANT - Fire rating notice

The fire rating of any doorset is subject to a number of factors, including:



1. The design/workmanship of other work, in particular the partitions into which the doorset is fixed.)
2. The doorset being installed in accordance with the installation instructions.

The Enigma system can be fitted to either studwork or masonry walls, you will need to ensure the wall itself meets the correct fire performance.

Please consult Selo for advice and guidance to ensure the fire performance is met.

tel 020 3880 0339 **email** sales@selo-uk.com

Enigma frame installation kit

Frame fixings



1 Type-1 19mm pan head self drilling screw



2 Type-2 40mm screw



3 Type-3 50mm screw



4 Type-4 30mm screw



5 Type-5 25mm self drilling screw



6 Sliding gear set



7 Remote stop

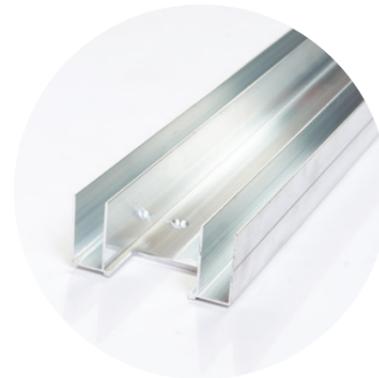


8 Door guide pin and channel



9 Brush strip

Pocket door frame components



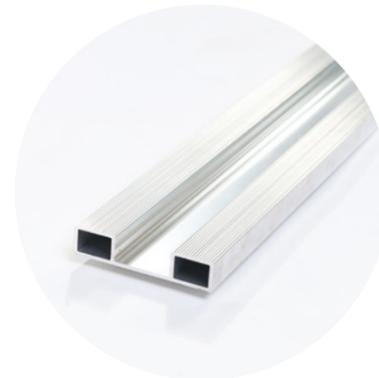
1 Base channel



2 Head channel



3 Leading edge jamb



4 Intermediate jambs



5 Intermediate jamb insert



6 Sliding track

A) Wall construction preparation

The Enigma system can be fitted to steel or timber studwork partitions. If using steel you must ensure the head stud is strong enough to take the door weight.

IMPORTANT INSTALLATION NOTES

Studwork size

The studwork size required is **94mm**. If using steel studs a 94mm head and base track and 92mm uprights should be used.

Steel studs

If using steel studs, timber inserts are required within the studs to provide additional strength.

Doors above 2300mm

If the door height you are installing is above 2300mm then using 2 layers of plasterboard is recommended. This applies to Concealed frame NFR, Visible frame NFR and Visible frame FD30. To order kits to suite two layers of plasterboard add the suffix (145) to the product code.

Self-supporting head

For situations in high rise buildings where you cannot fix to the ceiling or soffit then use the Enigma self-supporting head installation detail. Ensure you refer to the self-supporting head installation details when construction your studwork partition and before you install the Enigma pocket door kit.

Allow for accessories

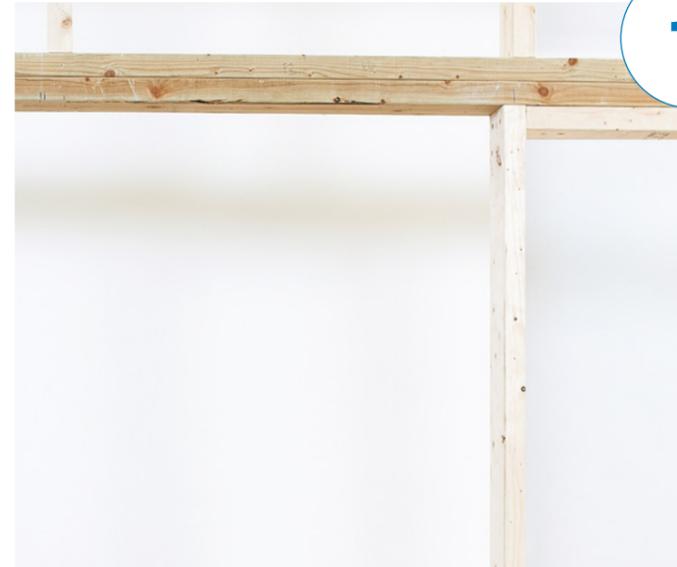
If you are using a soft closer, touch latch or simultaneous opening mechanism then ensure you familiarise yourself with these instructions first.



1

Strengthen head

When constructing your stud partition, please ensure the head is strong enough to take the weight of the sliding door that will hang from it.



2

Check size with schedule

When forming the structural opening, please ensure you are working to the correct opening size provided on the door schedule.

IMPORTANT

If using a self closer then please refer to the self closer installation instructions. Ensure you have allowed the extra width required in the structural opening to allow the self closer to work.



3

Level-up

Ensure the opening is square and plumb.

IMPORTANT

We strongly recommend the use of a laser level for setting out.



Concealed frame (FD30)



IMPORTANT

- › If using a touch latch add 25mm to studwork width.
- › If using a simultaneous opening mechanism the door leaf needs to be reduced in height by an extra 5mm.
- › If you are using the self supporting head detail please refer to its specific instructions for correct dimensions.
- › If using a self closer add 70mm to the BACK of the pocket.

Structural opening calculations



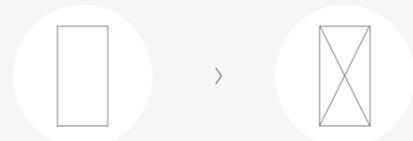
From known door dimensions: **Calculate studwork width & height**

Single Doors

Studwork width = (2 x door width) - 10mm
 Studwork height = Door height + 77mm

Double Doors

Studwork width = (4 x door width) - 50mm
 Studwork height = Door height + 77mm



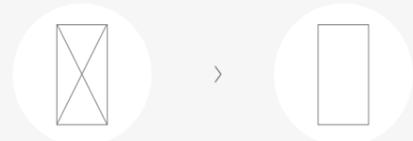
From known door dimensions: **Calculate clear opening dimensions**

Single Doors

Opening width = Door width - 75mm
 Opening height = Door height - 17mm

Double Doors

Opening width = (2 x door width) - 90mm
 Opening height = Door height - 17mm



From known structural opening dimensions: **Calculate door width & height**

Single Doors

Door width = (Structural opening width + 10mm) ÷ 2
 Door height = Structural opening height - 77mm

Double Doors

Door width = (Structural opening width + 50mm) ÷ 4
 Door height = Structural opening height - 77mm



From clear opening dimensions: **Calculate door width & height**

Single Doors

Door width = Clear opening + 75mm
 Door height = Clear opening + 17mm

Double Doors

Door width = (Clear opening + 90mm) ÷ 2
 Door height = Clear opening + 17mm

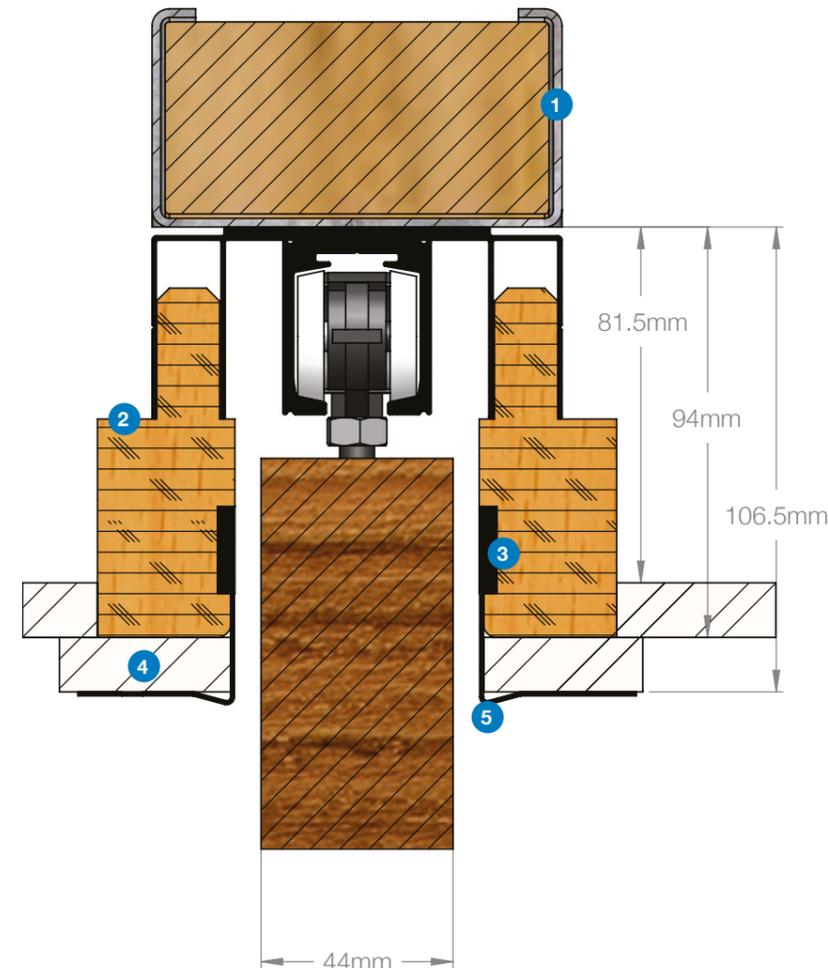
Full-height head installation (FD30 concealed)

When you require the door leaf to go full height to the ceiling the head channel of the pocket door kit needs to be installed above the ceiling and plasterboard fitted as the detail shown.

IMPORTANT

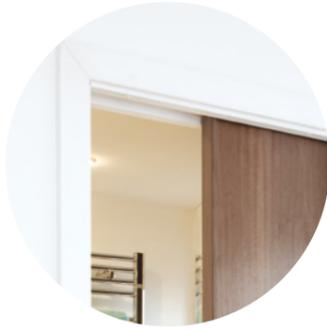
Structural opening height calculation:

Clear opening height + Plasterboard thickness +96mm.



- 1 92mm head and base channel partition system.
- 2 Timber trims.
- 3 Intumescent strip.
- 4 Plasterboard ceiling.
- 5 Plaster bead.

Visible frame (NFR)



IMPORTANT

- › If using a touch latch add 25mm to studwork width.
- › If using a simultaneous opening mechanism the door leaf needs to be reduced in height by an extra 5mm.
- › If you are using the self supporting head detail please refer to its specific instructions for correct dimensions.
- › If using a self closer add 70mm to the BACK of the pocket.

Visible frame (FD30)



IMPORTANT

- › If using a touch latch add 25mm to studwork width.
- › If using a simultaneous opening mechanism the door leaf needs to be reduced in height by an extra 5mm.
- › If you are using the self supporting head detail please refer to its specific instructions for correct dimensions.
- › If using a self closer add 70mm to the BACK of the pocket.

Structural opening calculations	
<p>From known door dimensions: Calculate studwork width & height</p>	<p>Single Doors Studwork width = (2 x door width) + 25mm Studwork height = Door height + 77mm</p> <p>Double Doors Studwork width = (4 x door width) + 10mm Studwork height = Door height + 77mm</p>
<p>From known door dimensions: Calculate clear opening dimensions</p>	<p>Single Doors Opening width = Door width - 25mm Opening height = Door height - 2mm</p> <p>Double Doors Opening width = (2 x door width) - 30mm Opening height = Door height - 2mm</p>
<p>From known structural opening dimensions: Calculate door width & height</p>	<p>Single Doors Door width = (Structural opening width - 25mm) ÷ 2 Door height = Structural opening height - 77mm</p> <p>Double Doors Door width = (Structural opening width - 10mm) ÷ 4 Door height = Structural opening height - 77mm</p>
<p>From clear opening dimensions: Calculate door width & height</p>	<p>Single Doors Door width = Clear opening + 25mm Door height = Clear opening + 2mm</p> <p>Double Doors Door width = (Clear opening + 30mm) ÷ 2 Door height = Clear opening + 2mm</p>

Structural opening calculations	
<p>From known door dimensions: Calculate studwork width & height</p>	<p>Single Doors Studwork width = (2 x door width) - 5mm Studwork height = Door height + 77mm</p> <p>Double Doors Studwork width = (4 x door width) - 50mm Studwork height = Door height + 77mm</p>
<p>From known door dimensions: Calculate clear opening dimensions</p>	<p>Single Doors Opening width = Door width - 75mm Opening height = Door height - 17mm</p> <p>Double Doors Opening width = (2 x door width) - 90mm Opening height = Door height - 17mm</p>
<p>From known structural opening dimensions: Calculate door width & height</p>	<p>Single Doors Door width = (Structural opening width + 5mm) ÷ 2 Door height = Structural opening height - 77mm</p> <p>Double Doors Door width = (Structural opening width + 50mm) ÷ 4 Door height = Structural opening height - 77mm</p>
<p>From clear opening dimensions: Calculate door width & height</p>	<p>Single Doors Door width = Clear opening + 75mm Door height = Clear opening + 17mm</p> <p>Double Doors Door width = (Clear opening + 90mm) ÷ 2 Door height = Clear opening + 17mm</p>

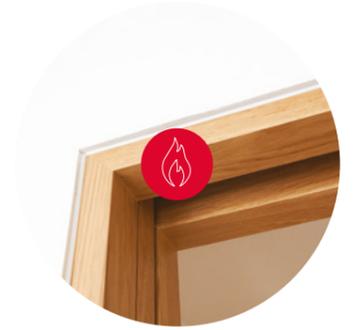
Shadow gap frame (NFR)



IMPORTANT

- › If using a touch latch add 25mm to studwork width.
- › If using a simultaneous opening mechanism the door leaf needs to be reduced in height by an extra 5mm.
- › If you are using the self supporting head detail please refer to its specific instructions for correct dimensions.
- › If using a self closer add 70mm to the BACK of the pocket.

Shadow gap frame (FD30)



IMPORTANT

- › If using a touch latch add 25mm to studwork width.
- › If using a simultaneous opening mechanism the door leaf needs to be reduced in height by an extra 5mm.
- › If you are using the self supporting head detail please refer to its specific instructions for correct dimensions.
- › If using a self closer add 70mm to the BACK of the pocket.

Structural opening calculations



From known door dimensions:

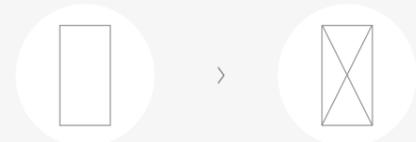
Calculate studwork width & height

Single Doors

Studwork width = (2 x door width) + 10mm
 Studwork height = Door height + 77mm

Double Doors

Studwork width = (4 x door width) - 10mm
 Studwork height = Door height + 77mm



From known door dimensions:

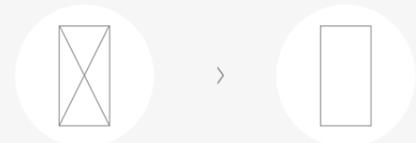
Calculate clear opening dimensions

Single Doors

Opening width = Door width - 45mm
 Opening height = Door height - 14mm

Double Doors

Opening width = (2 x door width) - 50mm
 Opening height = Door height - 14mm



From known structural opening dimensions:

Calculate door width & height

Single Doors

Door width = (Structural opening width - 10mm) ÷ 2
 Door height = Structural opening height - 77mm

Double Doors

Door width = (Structural opening width + 10mm) ÷ 4
 Door height = Structural opening height - 77mm



From clear opening dimensions:

Calculate door width & height

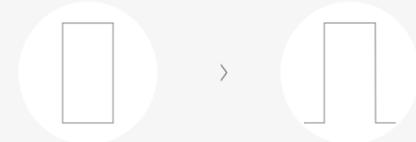
Single Doors

Door width = Clear opening + 45mm
 Door height = Clear opening + 14mm

Double Doors

Door width = (Clear opening + 50mm) ÷ 2
 Door height = Clear opening + 14mm

Structural opening calculations



From known door dimensions:

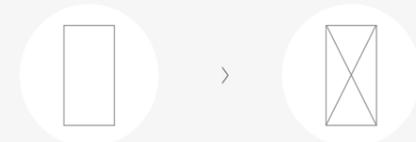
Calculate studwork width & height

Single Doors

Studwork width = (2 x door width) - 15mm
 Studwork height = Door height + 77mm

Double Doors

Studwork width = (4 x door width) - 50mm
 Studwork height = Door height + 77mm



From known door dimensions:

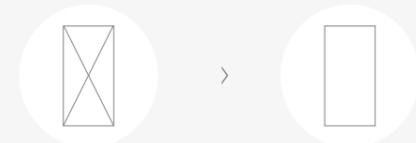
Calculate clear opening dimensions

Single Doors

Opening width = Door width - 95mm
 Opening height = Door height - 27mm

Double Doors

Opening width = (2 x door width) - 90mm
 Opening height = Door height - 27mm



From known structural opening dimensions:

Calculate door width & height

Single Doors

Door width = (Structural opening width + 15mm) ÷ 2
 Door height = Structural opening height - 77mm

Double Doors

Door width = (Structural opening width + 50mm) ÷ 4
 Door height = Structural opening height - 77mm



From clear opening dimensions:

Calculate door width & height

Single Doors

Door width = Clear opening + 95mm
 Door height = Clear opening + 27mm

Double Doors

Door width = (Clear opening + 90mm) ÷ 2
 Door height = Clear opening + 27mm

B) Frame installation

IMPORTANT

If you are using the self supporting head detail please refer to the specific Enigma self supporting head instructions.

1

Prepare Head Channel & Sliding Track

Single doors

Cut the head channel to suit the structural opening width. Cut the sliding top track to the structural opening width - less 80mm.

Double doors

Measure the structural opening width, divide in half and cut two head channels to that length. Cut the sliding track 40mm less than the head channel length.

IMPORTANT

If you are using a touch latch or a self closer remember to add extra width to the opening as stated on page 8.



3

Insert the remote stop into the top track

Slide the remote stop into the groove in the track so the large holes in the remote stop line up with the track fixing holes. This enables you to fix through the remote stop when installing the track.

IMPORTANT

1. If you are using the soft close mechanism, please refer to soft closer instructions before proceeding.

2. If using any of the following devices then please do not insert the remote stop.

- › Soft close and open
- › Touch latch



2

Head channel preparation

Single doors

Mark 75mm from the end of the head channel.

Double doors

Mark 30mm from one end of both head channels.

Line the end of the top track with the mark and pilot drill the holes through the head channel.

IMPORTANT

Ensure the groove in the centre of the track and the head channel line up as shown.



4

Fit the head channel and top track

Single doors

Put the head channel in place and fix using Type-2 screws. The end with 75mm marked butts against the strike stud.

Double doors

Butt the ends of the head channels marked 30mm from the end together in the centre of the structural opening width.

Line the top track up with the pilot drilled holes and fix using Type-3 screws. The remote stop clip should be at the rear of the pocket.





5

Cut and fit the base channel

Single doors

Calculate the dimension for your specific trim type using the formula's shown below. Measure this dimension back from the strike stud and mark this on the floor. Measure from this mark to the rear stud and cut the base channel to that length keeping the notched end.

Double doors

Transfer the centre of the structural opening width onto the floor. Calculate your door leaf width for your specific kit type using the formula's shown on the left. Measure this dimension back from the centre line and mark the floor at this point. From this second mark measure back to the rear stud and the the base channel to that length.

Line the notched end of the base channel with the mark made on the floor, ensure that it is in line and plumb with the head channel and fix into place using Type-2 screws.

IMPORTANT

Remember if you are using a touch latch or a self closer you need to make sure you have added the extra width needed to suit. This is stated on pages 9-13.

Dimension calculations

FD30 Concealed trim

Single = Door leaf width
Double = Door leaf width -14mm

NFR Shadow gap trim

Single = Door leaf width + 30mm
Double = Door leaf width + 15mm

NFR Visible trim

Single = Door leaf width + 30mm
Double = Door leaf width +15mm

FD30 Shadow gap trim

Single = Door leaf width
Double = Door leaf width - 15mm

FD30 Visible trim

Single = Door leaf width
Double = Door leaf width +15mm



6

Cut pocket sides to length

Cut the leading edge and intermediate jambs to the correct height so it slides into the head and base channel. The notched end goes at the top.



7

Cut and fit intermediate timber insert

Cut the intermediate timber insert 100mm shorter than the aluminium jamb and slide the insert into the intermediate jamb so it sits 50mm from each end.

IMPORTANT

When using door leaves wider than 926mm the kit will be supplied with extra intermediate jambs to be fitted equally space within the pocket width.



8

Fit pocket sides and fix the jamb

Slide the intermediate jamb into the head and base channel with the timber inserts facing out so it sits centrally in the pocket. Fix using Type-1 self drilling screws. Slide the leading edge jamb into place at the bottom with notched end at the top, so the flange sits hard against the end of the base channel. Plumb the jamb and fix into place using the Type-1 screws.

IMPORTANT

If you're using the touch latch mechanism then this must be installed with the door before you plasterboard both sides of the wall.



9

Fit door guide pin

Using x2 Type-4 screws fix the floor pin into place with the edge of the pin plate lined up with the base channel as shown. Do not put into the notch.

IMPORTANT

1. The pin needs to be fitted at FFL.
2. If you are installing an acoustic Enigma to achieve 25dB and above then the pin will need to be offset to suit the door. Fit the pin once you have the door to hand to ensure you can set the position correctly.



10

Fit the foam packer

Insert the foam packer to support the pocket.

IMPORTANT

The foam packer must be used to stop the side walls bowing when fixing plasterboard to the pocket.



11

Fit the plasterboard

The wall can now be plaster-boarded. Use Type-5 self drilling screws when fixing the plasterboard to the profile.

IMPORTANT

1. If you are using the touch latch mechanism then fit plasterboard to one side of the wall only until the door and touch latch is fitted and working correctly.
2. If using a self closer then please refer to the self closer installation instructions. Only fit plasterboard to one side of the pocket until the door leaf and self closer are fitted and working correctly.



C) Door leaf installation

With the Visible, Shadow-gap and Concealed FD30 frame systems the door leaf needs to be hung before the trims are fitted.

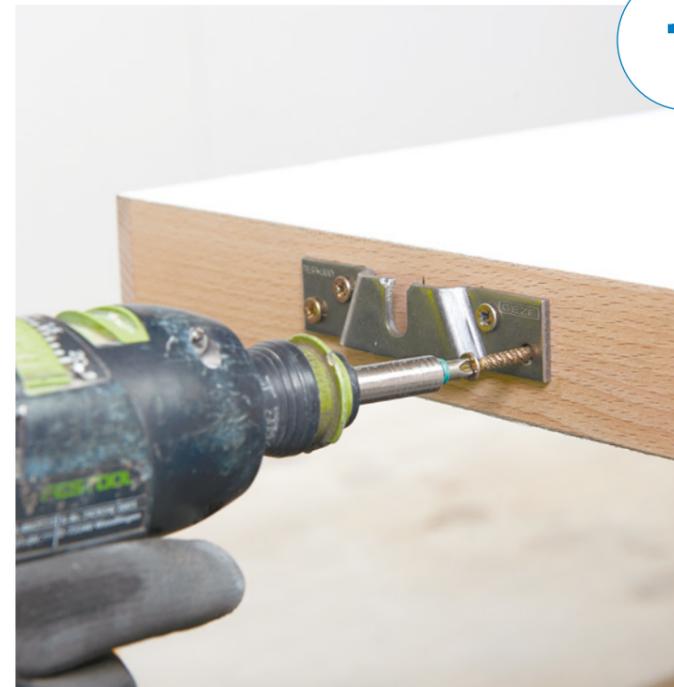
1

Fit head brackets

Fit the head brackets 150mm from edge of the door leaf to centre of the bracket. Use the screws provided in the sliding gear box.

IMPORTANT

1. If you are using the simultaneous opening mechanism then it needs to be installed now. If using a simultaneous opening the door leaf height needs to be reduced by an extra 5mm.
2. If you are using a soft close mechanism please refer to the soft close instructions to install the door leaf.
3. If using a self closer then please refer to the self closer installation instructions.



2

Fit the guide channel

Tap the black nylon door guide channel into the groove in the bottom of the door and fix into place using a thin bead of adhesive or pins.





3

Assemble gear

Insert trolley's into track and adjust the bolts so it sits 20-25mm beneath the track.



5

Fix remote stop into place

Adjust the remote stop so it holds the door flush with the pocket end and fix into place with the self drilling screw provided.

This can be set so the door is flush with the timber frame or have the door protruding

IMPORTANT

If you are using a touch latch the remote stop isn't required. If using a soft close and open then the plastic stop is used.



4

Hang the door

Hang the rear door bracket onto the trolley bolt.

4.1 The bracket fits onto the bolt as shown

4.2 Feed the rest of the door at least halfway into the pocket and hang the front bracket onto the trolley bolt



6

Fit the front the door stop

Slide the white nylon door stop into the track and fix into place by tightening the grub screw.

IMPORTANT

This needs to be adjusted to ensure it stops and holds the door in the correct place. It will need final adjustment when the timber trims are fitted.



Ensure the door is plumb and tighten the bracket bolts using the flat spanner provided.

4.1

4.2



7

Fit track end block

Fit the track end block into place using the screw provided in the sliding gear set.

IMPORTANT

Please now refer to the Trim installation instructions to complete the installation of this system.

Find out more

For help and advice with your installation contact our experienced team.

call 020 3880 0339 / **email** sales@selo-uk.com

Visit our website, loaded with the content and features you want to see.

www.selo-uk.com



For **help and advice** with any Selo product, call the support team on:
020 3880 0339



selo[®]

call 020 3880 0339
email sales@selo-uk.com
www.selo-uk.com

Selo
K2 Kents Hill Business Park Timbold Drive
Milton Keynes MK7 6TT

Connect
[@selosimplicity](https://www.instagram.com/selosimplicity)

