ENIGMA®

SLIDING POCKET DOORS

Installation Guide

NFR Concealed Trims

January 2023 | Revision D

SEL-PRT-00799

Thank you for choosing Enigma

To ensure the installation process is simple and efficient,
we recommended you read this guide in full first.
Specific tools are also required to complete the installation:

Pencil

Tape Measure

Knife

Hex Keys (metric)

Hacksaw / Tin-snips

Laser Level

Cordless Screwdriver

Power Chop Saw

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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.

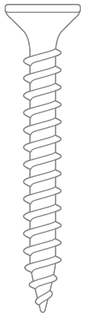
NFR C frame kit

Familiarise yourself with components included. All fixings will come pre-packaged to suit your specific project requirements.

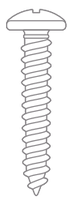
FRAME FIXINGS

Type-1
19mm self drilling pan head screw

Type-2
40mm screw



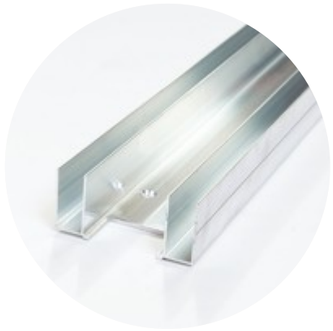
Type-3
50mm screw



Type-4
30mm screw

Type-5
25mm self drilling screw

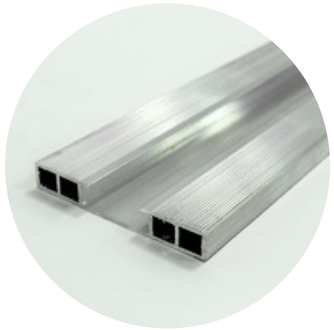
SYSTEM COMPONENTS



Base Channel

Head Channel

Leading Edge Jamb



Intermediate Jamb

Timber Insert

Sliding Track

Remote Stop

Door-guide Pin & Channel

Sliding Gear Set

Brush Strip

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

1. Studwork size

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

2. Steel studs

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

3. 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.

4. 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.

5. 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.

Follow standard Enigma instructions to calculate your studwork structural opening and add the following dimensions: **Width +94mm** and **Height +44mm**.

Ensure you refer to the specific Self-supporting Head installation instructions for further details.

Bespoke requirements?

Enigma can be customised to suit bespoke projects. In principle, the installation process remains the same, however certain installation dimensions may differ. Please contact the Selo team to discuss your bespoke requirements.

NFR C Calculations

REQUIRED ADAPTIONS

SIMULTANEOUS OPENING › The door leaf needs to be **reduced in height by 5mm**.

SELF-SUPPORTING HEAD › Follow the standard Enigma instructions to calculate your studwork structural opening and add the following dimensions: **Width +94mm** and **Height +44mm**

IMPORTANT **Refer to the specific Self-supporting Head installation instructions for further details**.

OPENING CALCULATIONS

FROM KNOWN
Door dimensions

›

CALCULATE
Structural opening dimensions

Single Door
Structural opening width = x2 Door leaf width +68mm
Structural opening height = Door leaf height +59mm

Double Doors
Structural opening width = x4 Door leaf width +130mm
Structural opening height = Door leaf height +59mm

FROM KNOWN
Door dimensions

›

CALCULATE
Clear opening dimensions

Single Door
Clear opening width = Door leaf width -33mm
Clear opening height = Door leaf height +14mm

Double Doors
Clear opening width = x2 Door leaf width -40mm
Clear opening height = Door leaf height +14mm

FROM KNOWN
Structural opening dimensions

›

CALCULATE
Door width and height

Single Doors
Door width = Structural opening width -68mm ÷ 2
Door height = Structural opening height -59mm

Double Doors
Door width = Structural opening width -130mm ÷ 4
Door height = Structural opening height -59mm

FROM KNOWN
Clear opening dimensions

›

CALCULATE
Door width and height

Single Door
Door width = Clear opening width +33mm
Door height = Clear opening height -14mm

Double Doors
Door width = Clear opening width +40mm ÷ 2
Door height = Clear opening height -14mm

Base Channel Calculations
Please refer to **Step 5** of the **Frame Installation** instructions shown on **page 12.**

1 STRENGTHEN HEAD

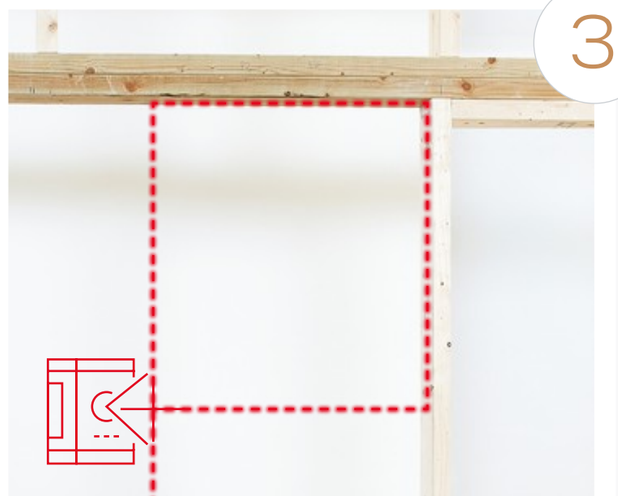
When constructing your stud partition, please ensure the head is strong enough to take the weight of the sliding door that will hang from it.

IMPORTANT
If using a **Self-supporting Head** please refer to those specific installation instructions.

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** please refer to those specific installation instructions.



3 LEVEL-UP

Ensure the opening is square and plumb.

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

A) Frame installation

IMPORTANT **Refer to the specific Self-supporting Head installation instructions for further details**.

1 PREPARE HEAD CHANNEL & SLIDING TRACK

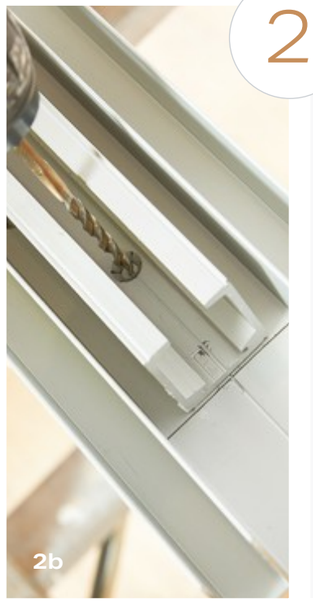
Single doors

1a Cut the **Head channel** to suit the structural opening width.

1b Remove the **Remote stop**, then cut the sliding top track to the structural opening width, **less 70mm**.

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.



2 HEAD CHANNEL PREPARATION

Single doors

2a Mark **63mm** from the end of the head channel.

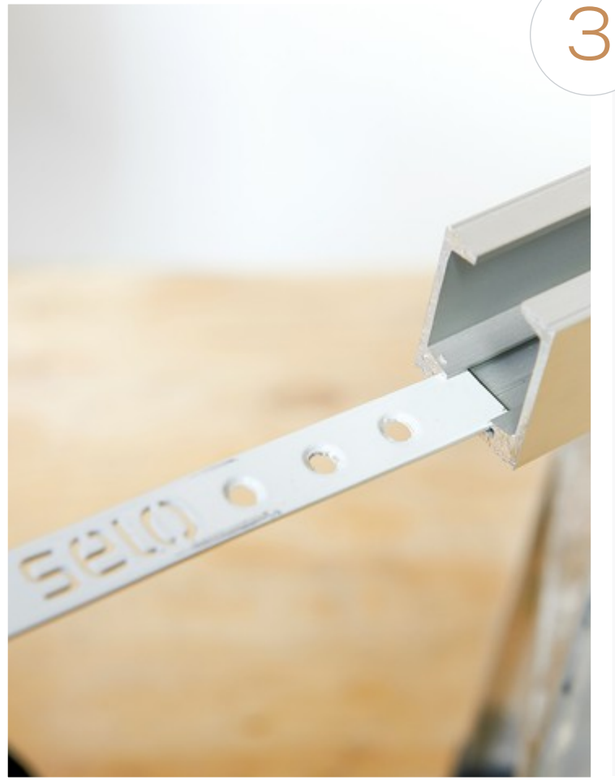
Double doors

Mark **30mm** from one end of both head channels.

2b 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.



3 INSERT THE REMOTE STOP

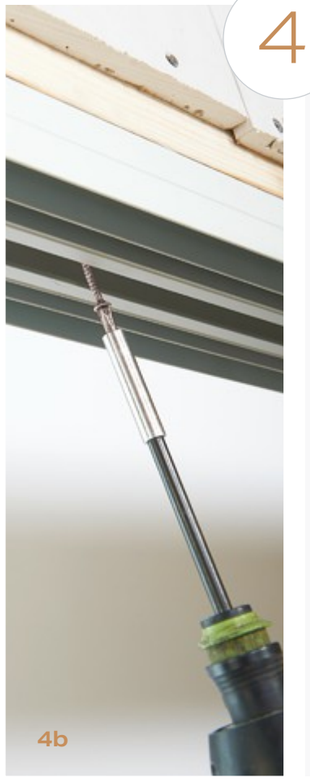
Slide the **Remote stop** into the groove in the track as shown in **3a**. The white plastic clip needs to be located at the rear of the pocket, the opposite end of the track from that used to mark the **63mm** line on the **Head channel**.

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 & Open
› Touch Latch



4 FIT THE HEAD CHANNEL AND TOP TRACK

Single doors

4a Put the **Head channel** in place and fix using **Type-2** screws. The end with 63mm marked butts against the strike stud.

4b Line the top track with the pilot drilled holes and fix using **Type-3** screws. Only use the silver **Type-3** screw provided to secure the track into place - Use of a larger screw will prevent the **Remote stop** from sliding freely within its groove. It will be necessary to slide the **Remote stop** back to access all the fixing holes in the track.

Double doors

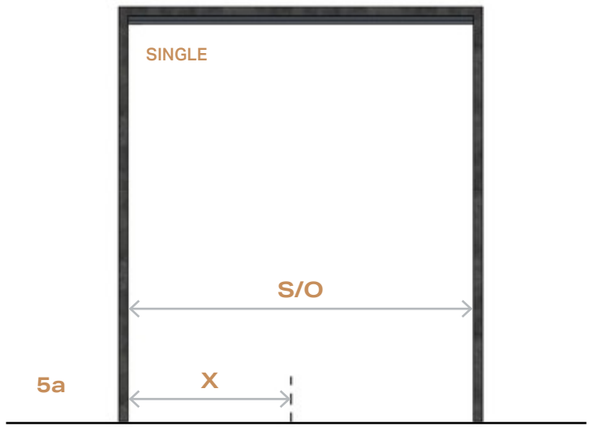
Butt the ends of the **Head channels** marked **30mm** from the end together in the centre of the structural opening width.

Base channel position calculations

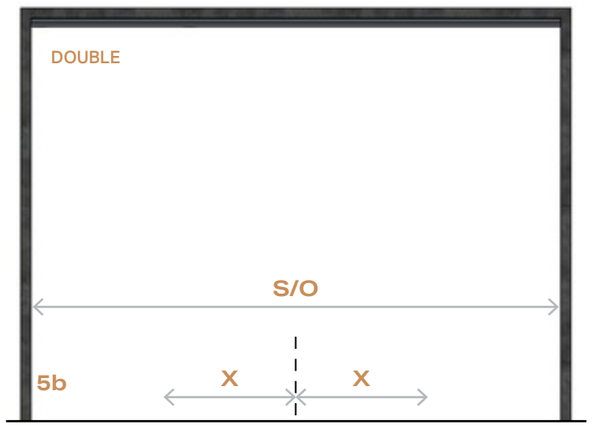
NFR Concealed Trim (C)

SINGLE X = Door Width *(minus)* **-14mm**

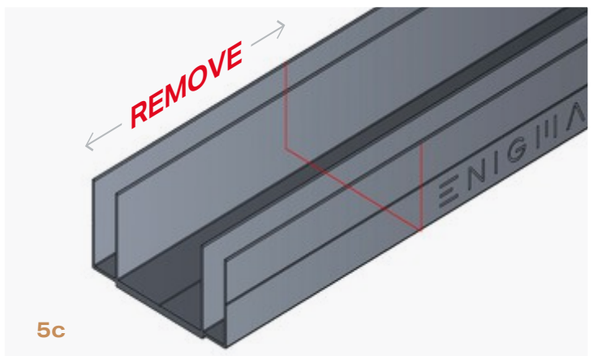
DOUBLE X = Door Width *(minus)* **-17mm** from centre line



5a



5b



5c

5 CALCULATE LENGTH OF BASE CHANNEL

IMPORTANT
If provided with a cut-to-size system, skip to Step 6

Single Doors

To accurately determine the length of the **Base channel**, first calculate the required clear opening (**X**) using the Base channel position calculations on the left.

Measure back from the **Strike stud** and mark the measurement on floor. *Image* **5a**

Cutting Base channel to size

Measure the **Structural Opening** and minus the **X** calculation(s).

Cut the **Base channel** to this dimension, cutting off the end without the notch. *Image* **5c**

Proceed to **Step 6**.

Double Doors

Mark the centre of the Structural Opening (S/O) width onto the floor. Calculate the required clear opening (**X**) using the Base channel position calculations on the left.

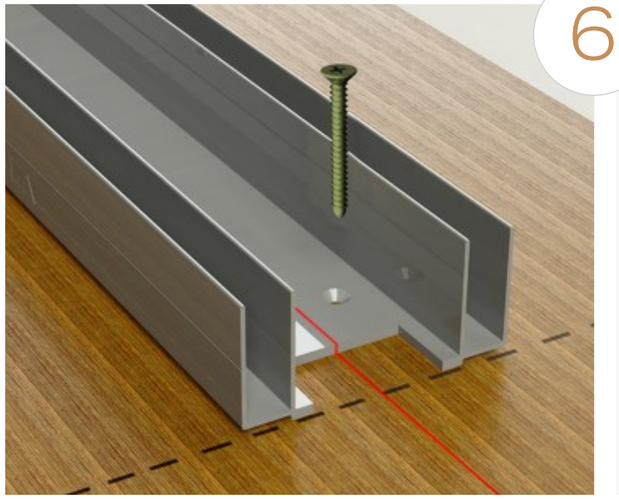
Measure back from **S/O centre mar**k in both directions and mark on the floor. *Image* **5b**

Cutting Base channel to size

Measure the **Structural Opening** and minus the **X** calculation(s).

Cut the **Base channel** to this dimension, cutting off the end without the notch. *Image* **5c**

Proceed to **Step 6**.



6 LINING UP & FIXING BASE CHANNEL

Place the **Base channel** on the floor between the line marked in **Step 5** and the rear stud.

At this stage it is vital that care is taken to ensure that the centre line of the **Base channel** is in line and plumb with the **Head channel**. Any deviation in this alignment will result in misaligned doors and trims.

Secure to the ground with **Type-2** fixings.

7 CUT LEADING EDGE & INTERMEDIATE JAMB

Cut the **Leading edge jamb** and **Intermediate jamb** 15mm less than the structural opening height.

8 CUT & 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 leafs wider than 926mm the kit will be supplied with extra intermediate jambs to be fitted equally space within the pocket width.

9 FIT POCKET SIDES & FIX THE JAMB

9a Slide the **Intermediate jamb** into the **Head channel** and **Base channel** with the **Timber inserts** facing out so it sits centrally in the pocket. Fix using **Type-1** screws.

9b Slide the **Leading edge jamb** into **Base channel** 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 one **Type-1** screw top and bottom as shown in the image. Must be posited furthest from the opening.

10 FIT DOOR GUIDE PIN

Fit the door guide pin at the finished floor level with **Type-4** fixings. The pin offset needs to be facing the strike stud and aligned centrally with the centre line on the base channel.

If your installation requires the door guide pin to be raised up - use the 1mm stackable packers

IMPORTANT

1. The pin needs to be fitted at FFL (finished floor level). If the finished floor is not yet installed, fitment of the floor pin can be delayed until the flooring is completed.

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.

11 FIT THE PACKER

In order to support the pocket sides before plasterboarding, insert the pocket packer into the pocket as shown.

12 PLASTERBOARD THE WALL

Plasterboard over the pocket along with the rest of the wall using the **Type-5** self drilling screws provided. It is vital to ensure the leading edge jambs remain completely vertical and plumb once boarded. It is essential to clear out all swarf or debris that may be in the top track and bottom channel at this stage.

IMPORTANT

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

13 FIT BRUSH STRIP

Cut the **Brush Strip** to length and fit to the leading edge aluminium profile.

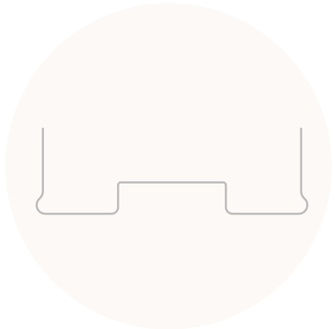
IMPORTANT

If using simultaneous opening ensure that the door leafs and head trims have been fitted. Refer to the simultaneous opening instructions for more.

B) Concealed trim installation

Now the pocket door jamb is installed you are ready to install the concealed trim.

TRIM COMPONENTS



Concealed Strike Trim x1

Concealed Leading Edge Trim x2

Concealed Head Trim

Strike Jamb Seals

Fixings Bag

1 INSTALL THE STRIKE TRIM

Cut the trim to the height of the opening and fit over wall end and fix through the perforated flanges using the **Type-5** screw.

IMPORTANT

The notched end of the trim goes at the top and fits inside the Head Channel.

2 INSTALL LEADING EDGE TRIM

Cut the trim to the height of the opening and fit over the pocket sides and fix through the perforated flanges using **Type-5** screw.

IMPORTANT

1. Fixings need to be every 200mm.

2. Ensure the opening is plumb and square before plastering.

3 INSTALL THE HEAD TRIM

Cut the trim to the width of the opening and fix into place using **Type-5** screw.

IMPORTANT

1. Ensure the rebates in the profiles line up.

2. If using simultaneous opening the metal trim fits over the top of the timber trim and plasterboard. Refer to the simultaneous opening instructions for further direction.

3a DOUBLE DOORS?

When installing double doors the strike jamb will not be used.

4 PLASTERING PREPARATION

Apply plaster fibre tape to top corners.

IMPORTANT

Before plastering in the trims, using a laser level ensure that they are straight and true.

5 TAPE & JOINT / PAINT

Now the wall can be tape and jointed and wall and trims painted.

IMPORTANT

We recommend tape and jointing not plastering.

6 STRIKE JAMB SEALS

If the kit used is a single door leaf then the rubber corner seals need to be applied to the corners of the rebate in the strike jamb.

C) Door leaf installation

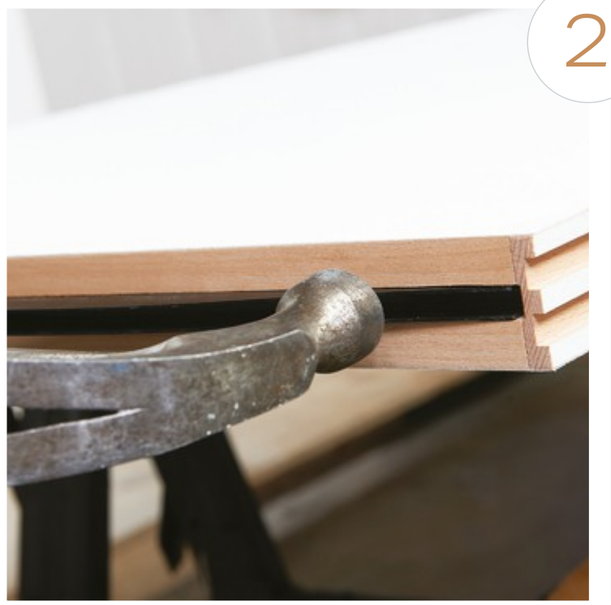
With the Enigma concealed system the door leaf can be installed after the frame has been plastered.

1 FIT HEAD BRACKETS

Fit the head brackets in the rebates provided in the door head with the **Type-3** screws. The longer bracket is used at the front of the door.

IMPORTANT

If you are using a soft close mechanism, please refer to the soft close instructions to install the door leaf.



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 BRACKETS

Force the hanger bolt into the gear bracket using a mallet or hammer. This will hold the bolt captive in the bracket.

Sliding gear preparation

3.1 Slide the trolley into the top track

3.2 The right angled bracket goes to back of door

3.3 Adjust brackets so they are 25mm from underside of the track

4 FINAL PREPARATION

Slide the rear gear bracket into the door head bracket and fix into place with the 4 **Type-4** screws provided.

5 HANGING THE DOOR LEAF

Take the weight of the front edge of the door and carefully slide it back into the pocket.

Take care to line it up with the guide pin.

5.1

5.2

Securing the door leaf

5.1 Slide the front bracket into place and tighten the bolt

5.2 Fit the bracket end cap (can be removed and refitted for painting)

5.3 Ensure the door is plumb and level. Bolts in the roller trolley can be used for adjustment

6 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 with the self drilling **Type-11** screw provided.

IMPORTANT

Once you have done this make sure you clear away any swarf that has dropped down from fixing the screw onto the track. If left there the swarf will stick to the trolley wheels and caused the wheels to 'rumble' as it opens and closes.

7 FIT THE FRONT DOOR STOP

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

IMPORTANT

1. This needs to be adjusted to ensure it stops and holds the door in the correct place.

2. If using a soft closer the please follow the specific soft closer instructions.

8 FIT TRACK END BLOCK

The track end block fits at the end of the track for a single door and in the middle of the two tracks for a double door.

First drill a pilot hole and fix the block into place using the **Type-10** screw.

Congratulations!

You've now completed the installation of your Enigma doorset.

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