ENIGMA®

POCKET DOORS BY SELO

Telescopic Kit Concealed Frame

Installation Guide

SEL-PRT-00781 | Rev. 2

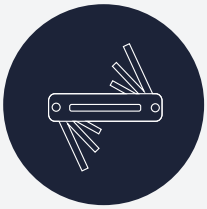
Thank you for choosing Enigma

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:

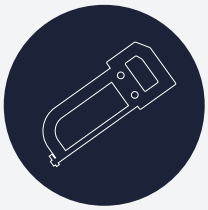
Pencil

Tape Measure

Knife



Hex Keys (metric)



Hacksaw / Tin-snips

Laser Level

Cordless Screwdriver

Power Chop Saw

Getting started

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

DELIVERY

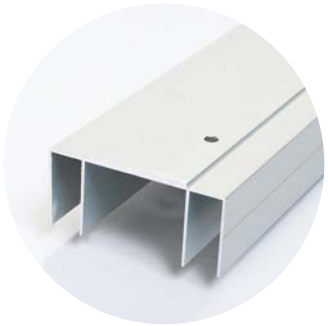
The Enigma pocket Door system will be delivered in at least two boxes.
One is the pocket frame and the other is the Trim surround.

If Door leaves have been ordered they will come separately.

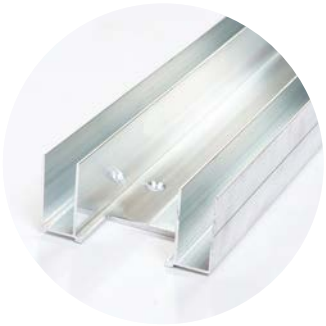
Telescopic kit contents

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

FRAME COMPONENTS



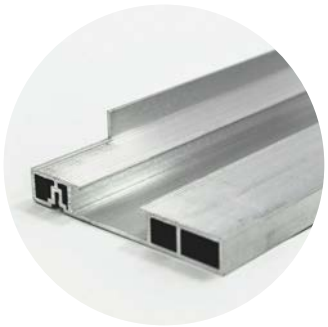
Head Channel



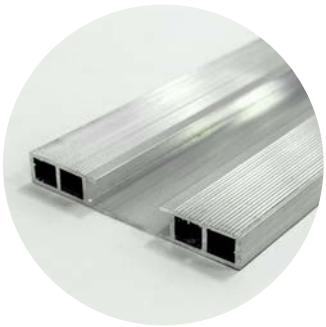
Base Channel

Sliding Track

Remote Stop



Leading Edge Jamb



Intermediate Jamb

Timber Insert

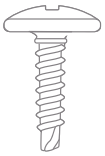
Door Guide Pin

Brush Strip

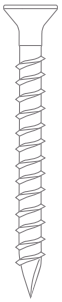
Door Channel Guide

End Block

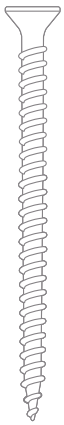
FRAME FIXINGS



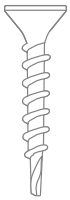
Type-01 - 4.2×13.5mm
Wafer Head
Self Drilling
SEL-PRT-00685



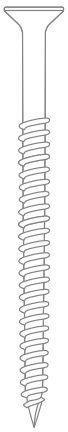
Type-02 - 4.5×40mm
Countersunk Pozi Single Slash
Wood Screws
SEL-PRT-00686



Type-03 - 4×50mm
Countersunk Pozi
Wood Screws
SEL-PRT-00687



Type-05 - 3.5×25mm
Bugle Head Phillips
Self Drilling
SEL-PRT-00689



Type-09 - 5×50mm
Countersunk Pozi Single Slash
Wood Screws
SEL-PRT-00693

TELESCOPIC COMPONENTS

Adjustable Pulley

Fixed Belt Clamp

Moving Connector

Sliding Gear Set

Belt

Fixed Pulley

Door Guide

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 **146mm**.
If using steel studs a 146mm Head and Base Track should be used along with 144mm timber infills.

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 and Visible frame NFR. To order kits to suit two layers of plasterboard, add double boarded to the product description.

Bespoke requirements?

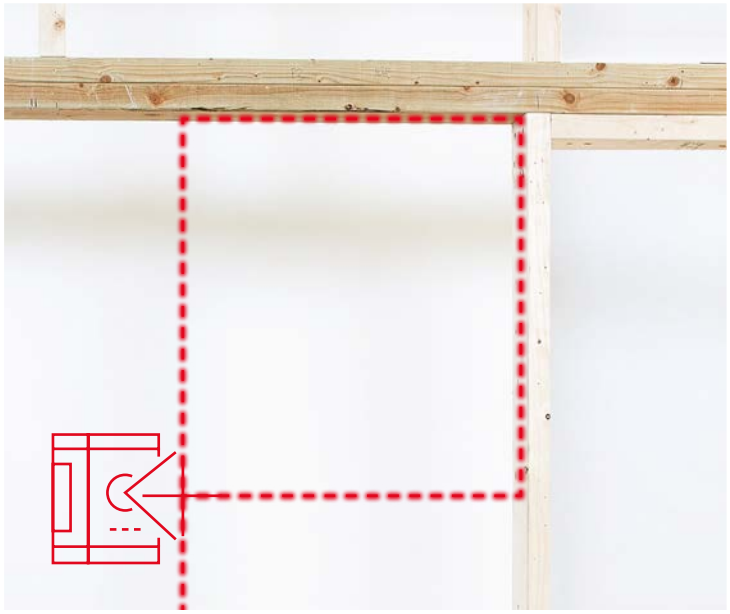
Enigma can be customised to suit bespoke projects. In principle, the installation process remains the same, however certain installation dimensions may differ. Please contact the Selo team to discuss your bespoke requirements.

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.

CHECK SIZE WITH SCHEDULE

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



LEVEL-UP

Ensure the opening is square and plumb.

IMPORTANT

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

NFR C Calculations

SIZE CALCULATIONS

FROM KNOWN
Door dimensions

CALCULATE
Structural opening dimensions

Single Door (Telescopic)

S/O width = x3 Door leaf width +26mm (inc. 10mm Timber pocket concealer)

Structural opening height = Door leaf height +101mm

Double Door (Telescopic)

S/O width = x6 Door leaf width +46mm (inc. 10mm Timber pocket concealer)

Structural opening height = Door leaf height +101mm

FROM KNOWN
Door dimensions

CALCULATE
Clear opening dimensions

Single Door (Telescopic)

Clear opening width = x2 Door leaf width -79mm

Clear opening height = Door leaf height +4mm

Double Door (Telescopic)

Clear opening width = x4 Door leaf width -132mm

Clear opening height = Door leaf height +4mm

FROM KNOWN
Structural opening dimensions

CALCULATE
Door width and height

Single Door (Telescopic)

Door width = Structural opening width -26mm ÷ 3

Door height = Structural opening height -101mm

Double Door (Telescopic)

Door width = Structural opening width -46mm ÷ 6

Door height = Structural opening height -101mm

FROM KNOWN
Clear opening dimensions

CALCULATE
Door width and height

Single Door (Telescopic)

Door width = Clear opening width +79mm ÷ 2 (excl. 10mm Timber pocket concealer)

Door height = Clear opening height -4mm

Double Door (Telescopic)

Door width = Clear opening width +132mm ÷ 4 (excl. 10mm Timber pocket concealer)

Door height = Clear opening height -4mm

Base Channel Calculations

Please refer to Step 4 of the Telescopic Frame Installation instructions shown on page 12.

Telescopic frame installation

PREPARE HEAD CHANNEL & SLIDING TRACK

Standard Telescopic

A. Measure the structural opening width and cut the **Head Channel** to that length. (x2 Head Channels may be supplied for wider kits.)
B. Remove the **Remote stop**, then cut the **Sliding Tracks** to the Head Channel length, **less 75mm**.

Double Telescopic

A. Measure the structural opening width, divide measurment in half; cut two **Head Channels** at this length.
B. Cut the sliding Track **40mm** less than the **Head Channel** length.

HEAD CHANNEL PREPARATION

Mark the **Head Channel** to ensure space for installation of the running gear. This end will be installed at the **Strike end** of the structural opening.

A. Make a mark on the **Head Channel** as shown **63mm from the end**.

B. Align the end of **Sliding Track** to the marks, ensuring it is centred to the **Head Channel** width. Mark the **Sliding Track Holes**.

C. Remove the **Sliding Track** and drill the **Head Channel** with a **5mm** drill bit.

FIT THE HEAD CHANNEL AND TOP TRACK

A. Fix the **Head Channe**l in place and fix using **Type-02** Screws making sure the 75mm gap for the Tracks is at the strike side of the pocket.

B. Slide the Remote Stop into the **Secondary Sliding Top Track**. See below diagram to identify the **Primary** and **Secondary Leaf**.

C. Line the **Sliding Top Tracks** with the pilot holes drilled in Step 2 and fixing using **Type-03** Screws.

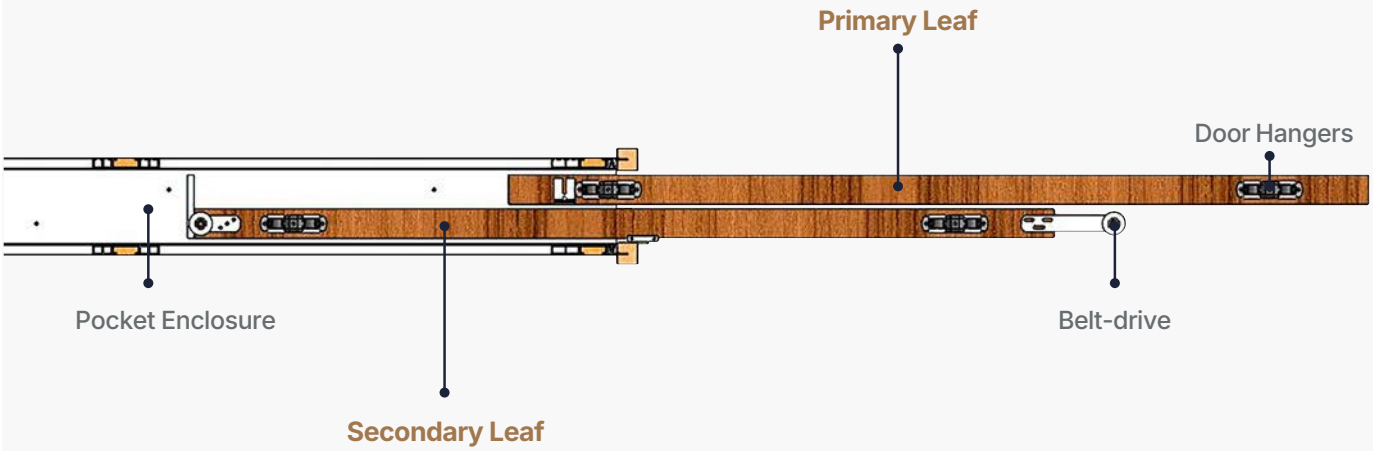
Only use the silver **Type-09** Screws provided to secure the Tracks into place. **Use of a larger Screw will prevent the Remote Stop from sliding freely within its groove.**

It will be necessary to slide the **Remove Stop** back to access all the fixing holes in the Track.

Double Telescopic

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

PRIMARY & SECONDARY DOOR DIAGRAM



NOTE - DOUBLE TELESCOPIC

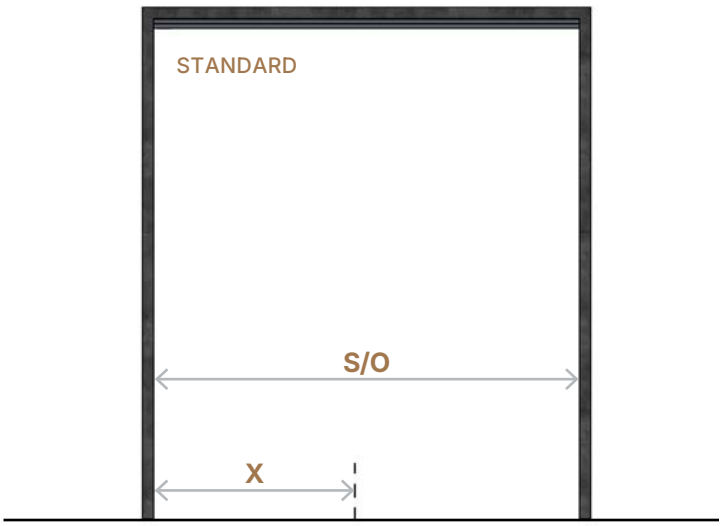
Double Doors are in addition to the above and form a mirror image

Base Channel length

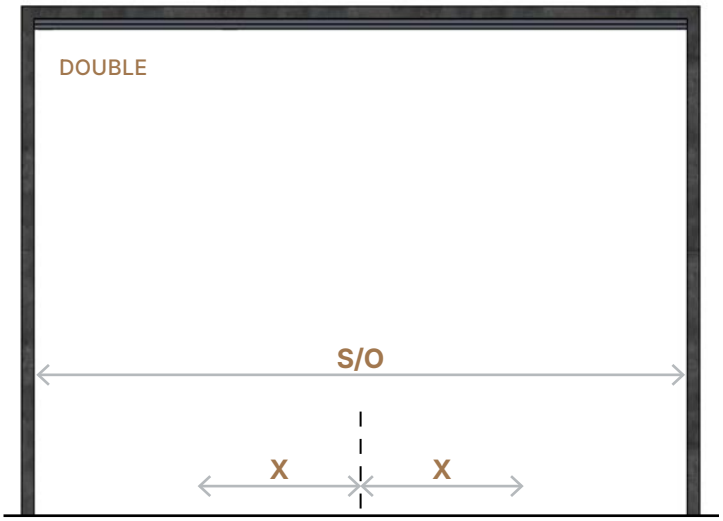
NFR Concealed Trim

STANDARD **X** = Door Width *(minus)* **-60mm**

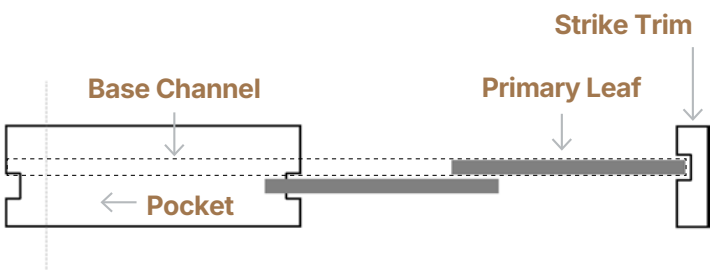
DOUBLE **X** = x2 Door Width *(minus)* **-63mm** from centre line



A.



B.



C.

CALCULATE LENGTH OF BASE CHANNEL

Standard Telescopic

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* **A.**

Cutting Base Channel to size

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

Ensure the **Base Channel** is positioned in relation to where the **Primary Leaf** contacts the strike Trim. Cut the **Base Channel** from the end inside the pocket. *Image* **C.**

Double Telescopic

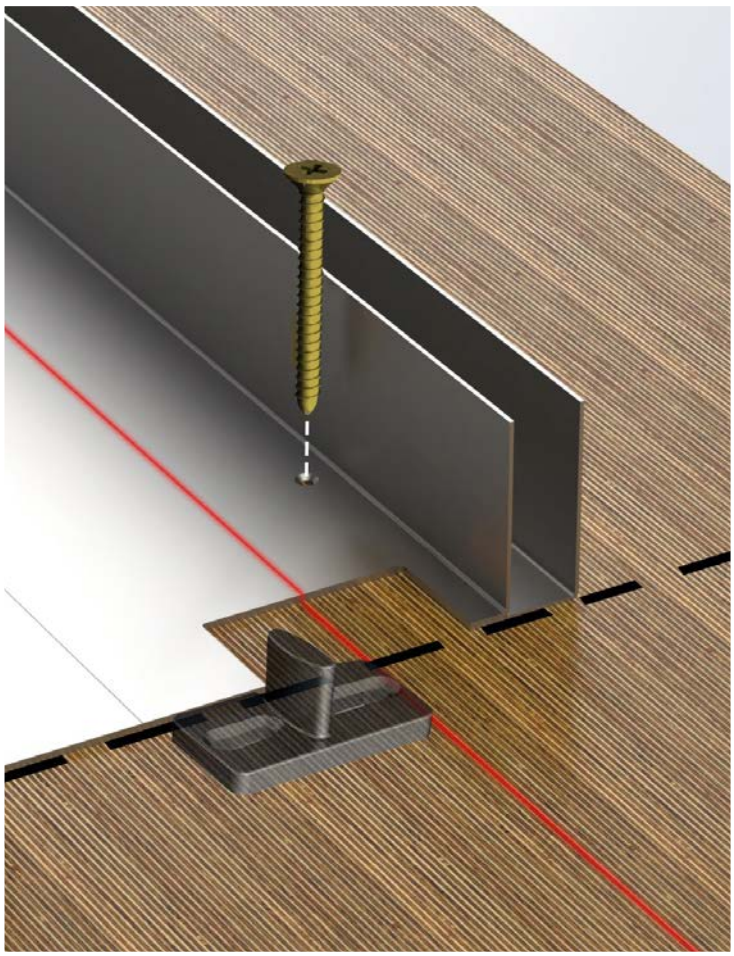
Mark the centre of the Structural Opening (S/O) width onto the floor. Calculate the required clear opening (**X**) using the Base Channel position calculations on the left.

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

Cutting Base Channel to size

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

Ensure the **Base Channel** is positioned in relation to where the **Primary Leaf** contacts the strike Trim. Cut the **Base Channel** from the end inside the pocket. *Image* **C.**



LINING UP & FIXING BASE CHANNEL

Place the **Base Channel** on the floor between the line marked in **Step 4** and the rear stud.

At this stage it is vital that care is taken to ensure that the centre lines of the **Base Channels** are in line and plumb with the **Head channels**. Any deviation in this alignment will result in misaligned Doors and Trims.

Secure to the ground with fixings suitable for substrate.

NOTE - DOUBLE TELESCOPIC

Double Doors will form a mirror image of the above.

FIT DOOR GUIDE PIN

Fit the Door guide pin at the finished floor level with fixings suitable for substrate. The pin offset needs to be facing the strike stud and aligned centrally with the centre line on the Base Channel. Not within the notch.

If your installation requires the Door guide pin to be raised up, use suitable packers to pack-up the pin.

IMPORTANT

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.

CUT LEADING EDGE & INTERMEDIATE JAMB

Cut the correct end to **ensure left/right handed Notches are kept**.

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

CUT & FIT INTERMEDIATE TIMBER INSERT

Cut the **Timber inserts** 100mm shorter than the aluminium Jamb and slide the insert into the **Leading Edge** and **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.

FIT POCKET SIDES & FIX THE JAMB

A. Slide the **Intermediate Jamb** into the **Head Channel** and **Base Channel** with the **Timber inserts** facing out so it is equally spaced within the pocket. Fix using **Type-01** Screws.

B. 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-01** Screw top and bottom as shown in the image. Must be posited furthest from the opening.

FIT BRUSH STRIP

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

Door leaf installation

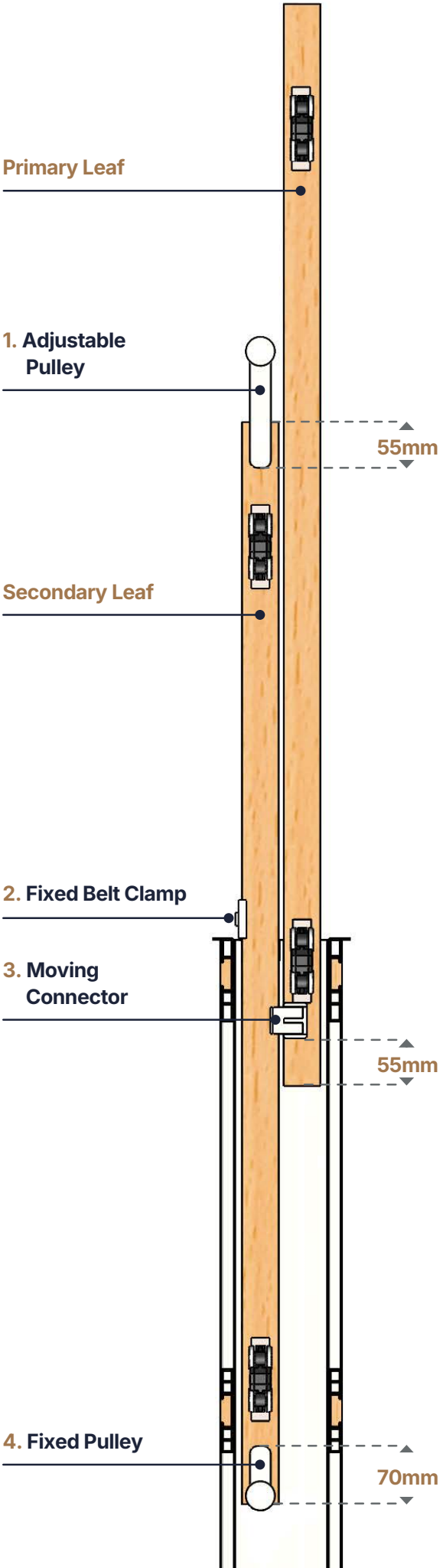
With the Enigma Concealed system, the Door leaf can be installed after the frame has been plastered.

INSTALL TELESCOPIC GEAR

Install the **Telescopic Gear** to the tops of the Doors as shown:

1. **Adjustable Pulley**
2. **Fixed Belt Clamp**
3. **Moving Connector**
4. **Fixed Pulley**

IMPORTANT - Do not fix to belt yet



FIT DOOR HANGER BRACKETS

Fit the head brackets **150mm** from the edge of the Door leaf to centre of the bracket, ensuring all brackets are the same way up.

Pilot and use the **Type-03 Screws** provided.

INSTALL MOVING CONNECTOR

Install the **Moving Connecto**r to the top of the **Primary Leaf** as shown ensuring access to the hex Bolt.

FIT THE GUIDE CHANNEL

Apply a thin bead of adhesive into the groove in the bottom of the Doors and then tap the Plastic Channels into position

ASSEMBLE GEAR

Wipe out the Tracks with a damp cloth to remove any swarf or debris.

A. Screw the Bolts into the trolley several turns and then insert the trolleys into the Track. (Two wheels in each Track)

B. Adjust the Bolts to achieve a gap approximately **40mm** between the underside of the Track and the top of the Bolt.

HANG DOORS

Hang the Doors onto the roller wheel Bolts ensuring the Doors run smoothly.

IMPORTANT

Do not fasten the Bolts at this stage as further adjustments may be necessary.

FIX FIXED BELT CLAMP

Fix the **Fixed Belt Clamp** flush against the **Secondary Leaf Head Track**. (Pilot holes may be required). The back edge of the **Fixed Belt Clamp** must be inline with the aluminium **Leading Edge Jamb** (as show with the white dotted line).

NOTE

The Head Channel from this image has been removed to aid clarity.

FIT THE FRONT DOOR STOP

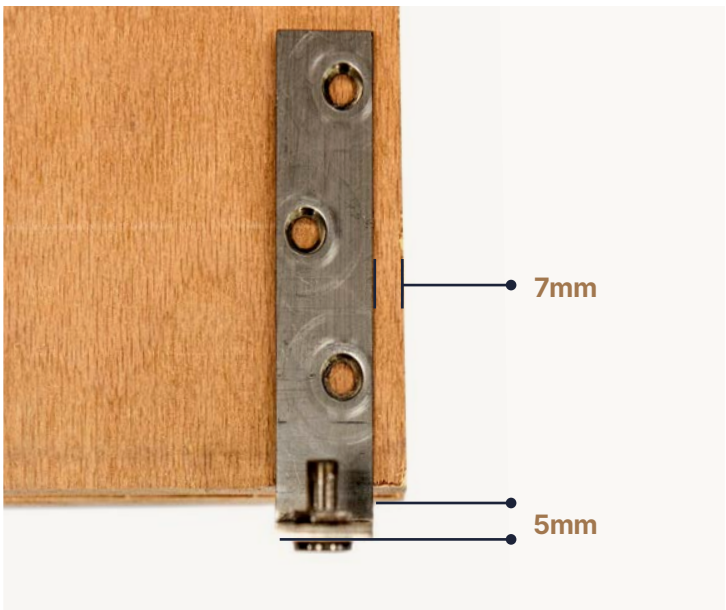
Slide the white nylon Door Stop into the Track and fix into place by tightening the grub Screw into the Primary Track.

This can be finally adjusted once the Trims are installed.

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-09** Screw.



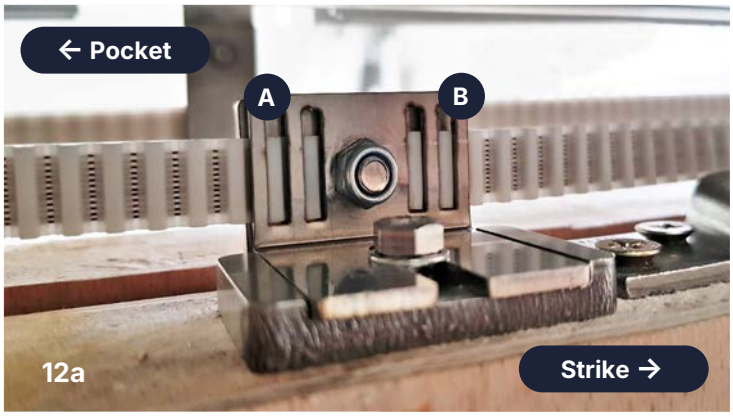
FIX DOOR GUIDE

Fit the “L” shaped **Door Guide** to the **leading edge of the secondary leaf**, ensuring to leave the pin **loose** for adjustment later.

ADJUST GAPS

Clamp **6mm Packers** between the Doors top and bottom to keep the Doors from binding and to maintain correct distance. Slide the Doors left and right in the pocket to get even gaps between the pocket sides and the Door leaves.

Once the gaps are even, tighten the **Hanging Bracket Bolts** (Step 6) tight enough to prevent sideways movement and **remove the Packers**. Tighten the **Door Guide** as per previous step.



INSTALL BELT

12a Start by fixing the **Belt** into part **A** on the **Moving Belt Connector** (Belt Connector fixed to the top of the Door).

12b Thread the Belt around the **Pocket-side Roller** on the Door followed by the **Strike-side Roller**, then back to the **Fixed Belt Connector** to measure the length of Belt required.

IMPORTANT

Make sure that the belt is straight. Adjust the Moving Belt Connector (12a) to straighten if required.

Cut the **Belt** to length and fix into part **B** of the **Moving Belt Connector**.

IMPORTANT

Ensure that the Belt is not loose or rubbing on the Door or any Bolts etc.

12c Slide the Doors back into the pocket so they are both flush and in the fully open position, then secure the **Belt** into the **Fixed Belt Connector**.

IMPORTANT

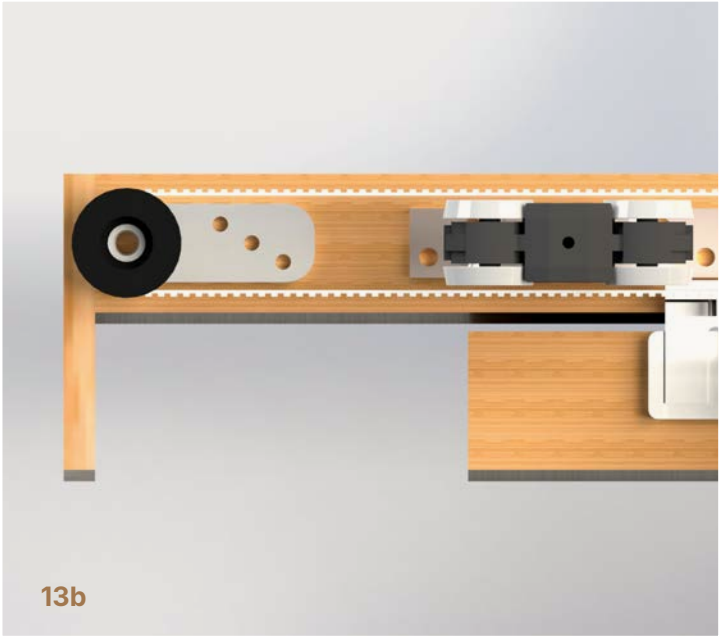
Make sure that the belt is straight. Adjust the Moving Belt Connector (12a) to straighten if required.

13a

TIMBER LIPPING COVER

13a Using the **Type-02 Screws** included, fix the **Timber lipping** to the rear of the **Secondary leaf** to Block the view into the pocket when the Door is open.

13b The timber should be flush with the front and bottom face of the Door, and overlap the primary Door to ensure it doesn't catch inside the pocket.



13b

PLASTERBOARD THE WALL

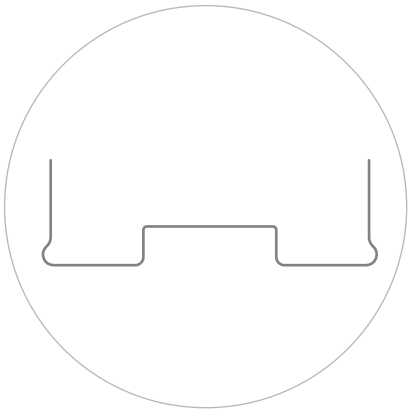
Plasterboard over the pocket along with the rest of the wall using the **Type-05** self drilling Screws provided. It is vital to ensure the Leading Edge Jambs remain completely vertical and plumb once boarded.

It is essential to clear out all swarf or debris that may be in the top Track and bottom Channel at this stage.

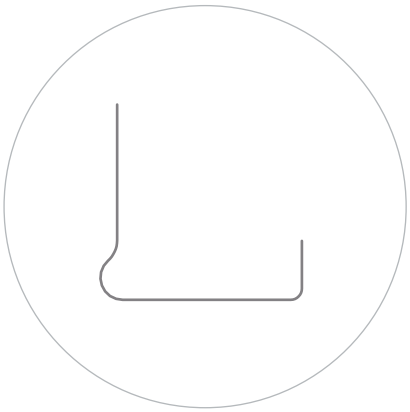
Concealed Trim installation

Now the pocket Door Jamb is installed you are ready to install the concealed Trim.

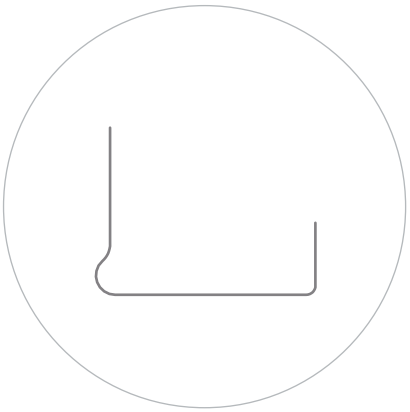
TRIM COMPONENTS



Concealed Strike Trim
***Not supplied with Double Telescopic**



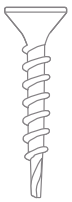
Concealed Leading Edge Trim



Concealed Head Trim

Timber Head Trim

Strike Jamb Seals
***Not supplied with Double Telescopic**



Type-05 - 3.5×25mm
Bugle Head Phillips
Self Drilling
SEL-PRT-00689

INSTALL THE STRIKE TRIM

Standard Telescopic

Cut the Trim to the height of the opening and fit over wall end and fix through the Perforated Flanges using the **Type-05** Screw.

IMPORTANT

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

Double Telescopic

Skip this step when installing double Doors.

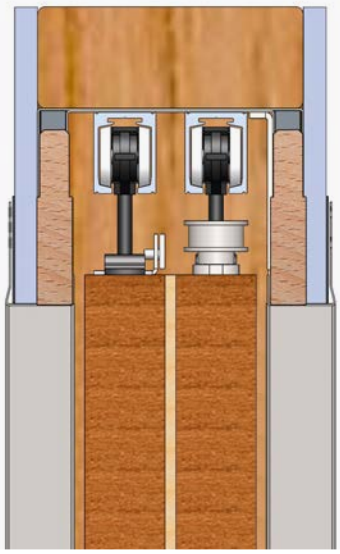
INSTALL LEADING EDGE TRIM

Cut the Trim to the height of the opening and fit over the pocket sides and fix through the Perforated Flanges using **Type-05** Screw.

IMPORTANT

1. Fixings need to be every 200mm.

2. Ensure opening is plumb and square before plastering.



A.

INSTALL THE HEAD TRIM

Slide the Door fully into the pocket to fit **Head Trims**.

A. Cut the Trim to the width of the opening, fit the timber first securing with **Type-05** Screws.

B. Cut and fit the metal Trim so it wraps around the Timber and the Plasterboard.

IMPORTANT

Ensure the rebates in the profiles line up.

B.

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-05** 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.

FINISHING PREPARATION

Apply plaster fibre tape to top corners.

IMPORTANT

Before tape and jointing over the Trims, using a laser level ensure that they are straight and true.

FINISHING

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

IMPORTANT

We recommend tape and jointing not plastering.

STRIKE JAMB SEALS

Standard Telescopic

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.

Double Telescopic

Skip this step when installing double Doors.

Congratulations!

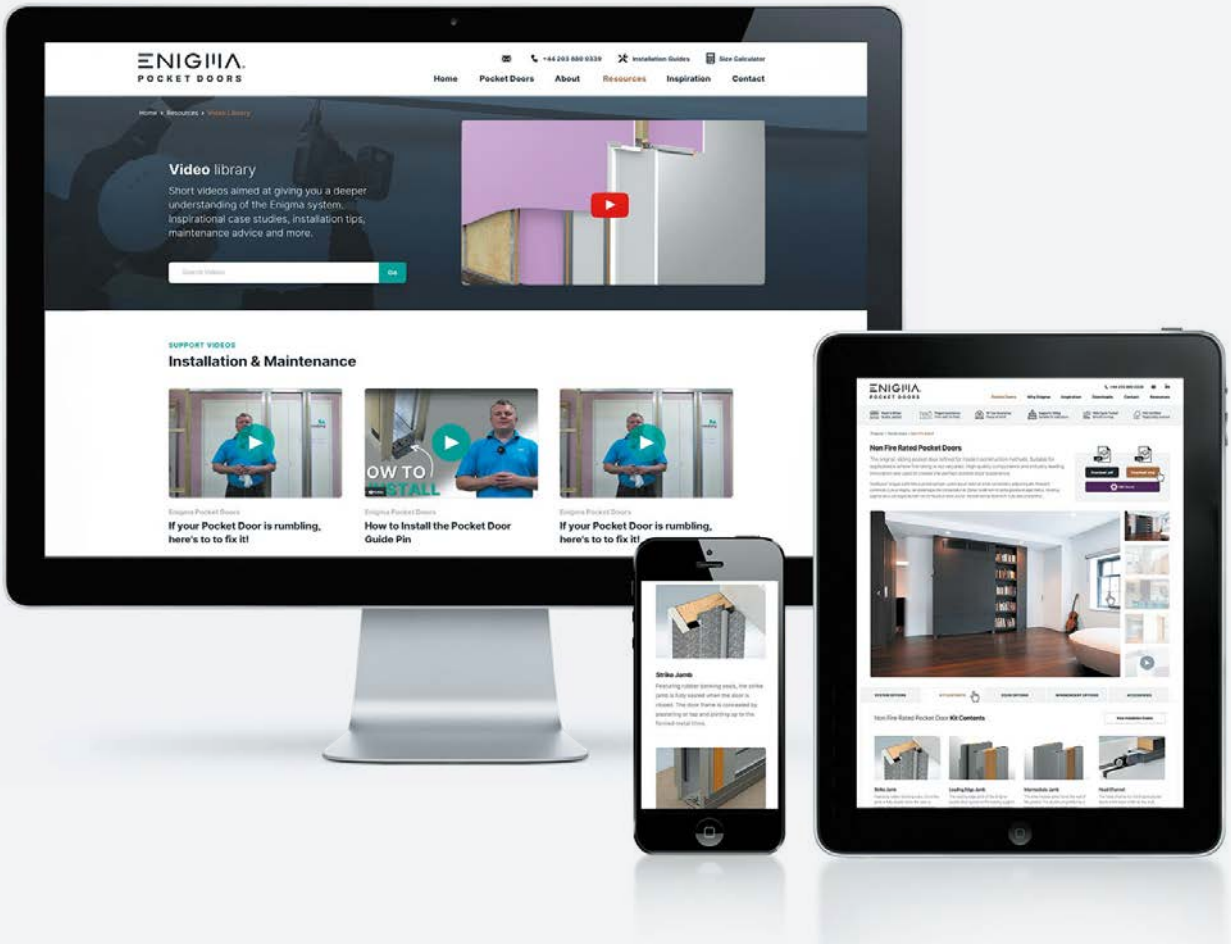
You've now completed the installation of your Enigma doorset.

ENIGMA
POCKET DOORS

The Pocket Door ***Movement***™

Save *Space*. Improve *Accessibility*. Increase *Value*.

www.enigmapocketdoors.com



halo assist

INNOVATION BY SELO.

Installation support **020 3880 0339**

Email sales@enigmapocketdoors.com

MADE IN BRITAIN