

POCKET DOOR PRO

HENDERSON

For Bi-Parting Doors

Fitting Instructions

Note: The below set of instructions provides full details on fitting the kit, liner kit and self closing kit (if purchased). Any instructions for single doors can be discarded.

LINER KIT SPECIFICATION				
Kit Short Code	Fire Rating	Max. Door Thickness	Finished Wall Thickness	
			Before Double Boarding	After Double Boarding
BILK/120	None	45mm	120mm	N/A
BILK/125			125mm	
BIFD30/120	FD30		120mm	145mm*
BIFD30/125			125mm	150mm*

* Full calculation can be found on page 5

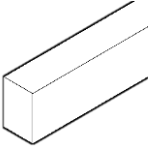

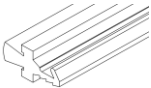
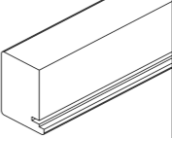


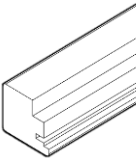

POCKET DOOR PRO KIT SPECIFICATION (specified in addition to liner kit, x2 kits required)						
Short Code		Max. Door Size	Max. Door Weight		Finished Wall Thickness	
Standard	With Soft Stop		Standard	With Soft Close	Before Double Boarding	After Double Boarding
PDKPRO1/***	N/A	610 X 1981mm	120kg	80kg	120 or 125mm	145 or 150mm
PDKPRO2/***	PROSOFT2/***	686 x 1981mm				
PDKPRO3/***	PROSOFT3/***	762 x 1981mm				
PDKPRO4/***	PROSOFT4/***	838 x 1981mm				
PDKPRO5/***	PROSOFT5/***	826 x 1981mm				
PDKPRO6/***	PROSOFT6/***	826 x 2040mm				
PDKPRO7/***	PROSOFT7/***	726 x 2040mm				
PDKPRO10/***	PROSOFT10/***	930 x 2315mm				

SELF CLOSING KIT SPECIFICATION (specified as an optional extra)		
Short Code	Description	Max. Door Weight
BISELF	Self closing kit	80kg if using without a SIM kit
		50kg if using with a SIM kit

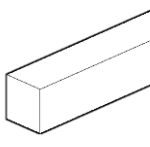
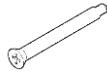

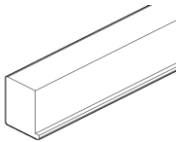


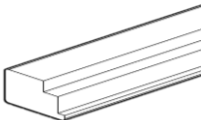


Note for Fire Door Installations: Pocket Door Pro Fire Rated for Bi-Parting Doors is a system developed as part of a 30 minute fire door assembly to BS476:Part22:1987 and should be fitted with a solid core FD30 timber based fire door.

LINER KIT CONTENTS

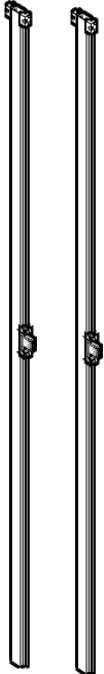
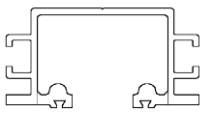
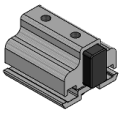
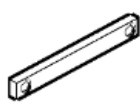

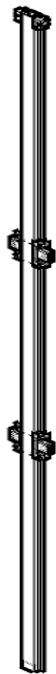
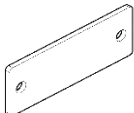
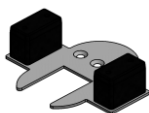
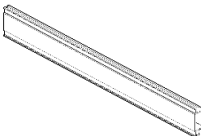







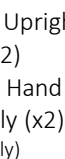
NON FIRE RATED KIT

 2 x Track Packer	 12 x Screw A 4.8 x 45mm Self-Drilling	 Brush Strip 3 x Long for 35mm doors 3 x Long for 45mm doors
 2 x Brush Header	 24 x Screw B 10G x 4" Wood	 36 x Pozi Drive Screw Cap
 4 x Brush Upright	 12 x Screw C 1 1/4" x 8G Wood Screw	

FIRE RATED KIT



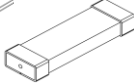

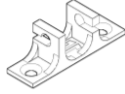



 2 x Track Packer	 12 x Screw A 4.8 x 45mm Self-Drilling	 2 x Intumescent Strip (30mm x 4mm)
 2 x Fire Header	 24 x Screw B 10G x 4" Wood	 6 x Intumescent Strips (15mm x 4mm)
 4 x Fire Upright	 12 x Screw C 1 1/4" x 8G Wood Screw	 36 x Pozi Drive Screw Cap

POCKET DOOR PRO KIT CONTENTS (Specified separately x2 kits will be required)



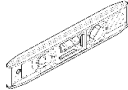

 Left Hand Upright Assembly (x2) & Right Hand Upright Assembly (x2) (PDKPRO1-7 only)	 Header Track (x1)	 *Door Stop (x1)	 Fixing Plates (x4)	 Floor Guide (x1)	
	 2.5mm Spacer Plate (x4) 125mm FWT version only	 Floor/Wall Bracket PDKPRO1-7 (x2) PDKPRO10 (x4)	 Nogging 2 x 395mm in PDKPRO1 & 2 2 x 545mm in PDKPRO3, 4, 6, 7 4 x 545mm in PDKPRO10 4 x 295mm in PDKPRO10		
	 Hangers PDKPRO 1-10 (x2) PROSOFT 1-10 (x1)	 Single Damper Assembly PROSOFT kits only (x1)	 Screw A (x8) M6x22 Cap	 Screw B No 8 X 1" Woodscrew PDKPRO 1-7 (x14) PDKPRO10 (x18)	
	 Apron Plate (x1) PROSOFT kits only	 Strap Bolt & Nut (x1) PROSOFT kits only	 Trigger PROSOFT kits only	 Double Left Hand Upright Assembly (x2) & Double Right Hand Upright Assembly (x2) (PDKPRO10 only)	

***PLEASE NOTE:** For biparting, non soft close applications, 2 additional door stops are required.

SELF CLOSING KIT CONTENTS (Specified seperately)

							
2 x Counter Weight Trunking Assembly	2 x Self Closing Cable	2 x 1kg Weight	4 x 0.5kg Weights	2 x Cable Securing Bracket	12 x Screw A 8g by 100mm CSK HD Screws	8 x Screw B M3 x 4	8 x Screw C 1 x 8g

TOOLS REQUIRED

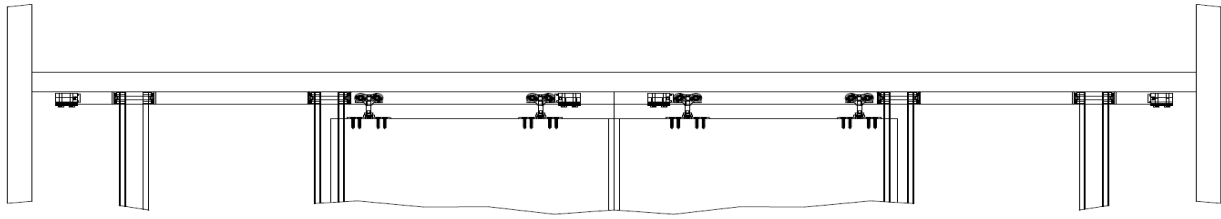
						
Drill With magnetic posi head driver	Tape Measure	5mm Allen Key	Spirit Level	6mm & 13mm Spanner	Screwdriver	Saw

KIT CONFIGURATION

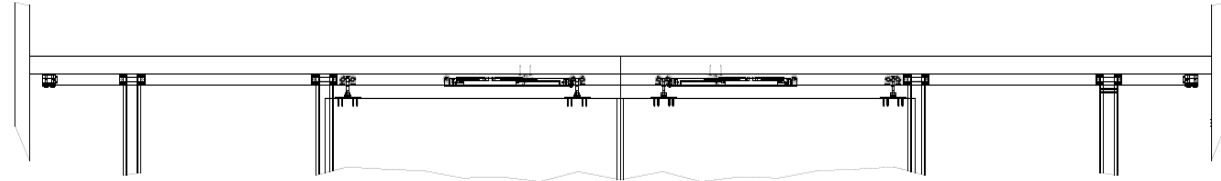
Configuration	Kits Required	Max. Door Weight
2 Standard Doors	PDKPRO Kit (x2)	120kg
	Bi-Parting Liner Kit (x1)	
2 Soft Closing Doors	PROSOFT Kit (x2)	80kg
	Bi-Parting Liner Kit (x1)	
2 Standard Doors with Simultaneous Action	PDKPRO Kit (x2)	120kg
	Bi-Parting Liner Kit (x1)	
	Simultaneous Kit (x1)	
2 Soft Closing Doors with Simultaneous Action	PROSOFT Kit (x2)	80kg
	Bi-Parting Liner Kit (x1)	
	Simultaneous Kit (x1)	
2 Soft Closing Doors with Self Close	PROSOFT Kit (x2)	80kg
	Bi-Parting Liner Kit (x1)	
	Self Close Kit (x1)	
2 Soft Closing Doors with Self Close and Simultaneous Action	PROSOFT Kit (X2)	50kg
	Bi-Parting Liner Kit (X1)	
	Self Close Kit (x1)	
	Simultaneous Kit (x1)	

PLAN LAYOUTS

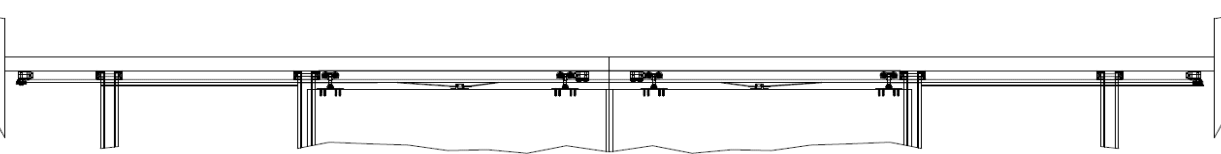
2 Standard Doors



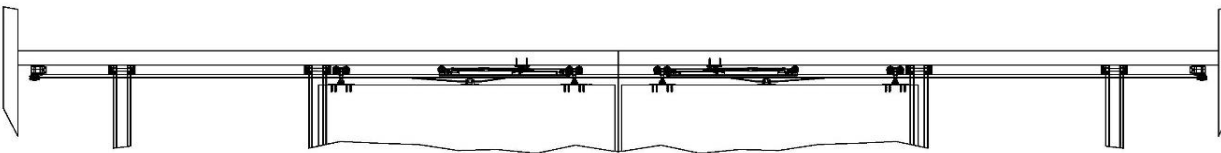
2 Soft Closing Doors



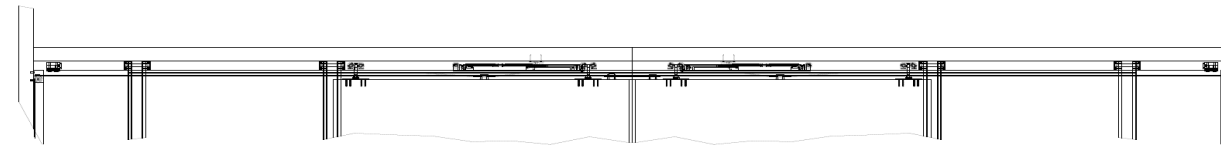
2 Standard Doors with Simultaneous Action



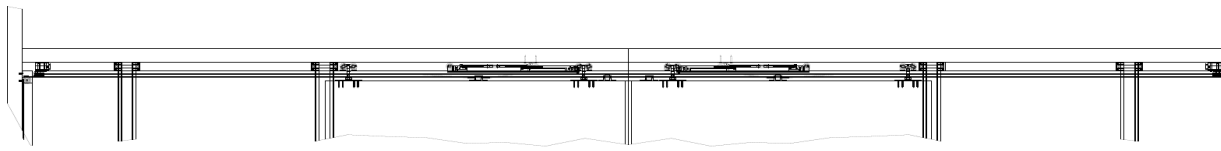
2 Soft Close Doors with Simultaneous Action



2 Soft Close Doors with Self Close



2 Soft Closing Doors with Self Close and Simultaneous Action

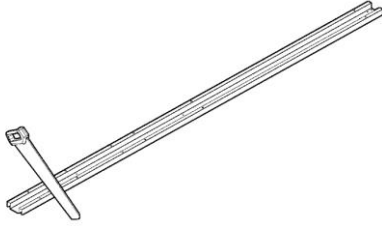


STEP BY STEP INSTRUCTIONS

IF USING A SELF CLOSE SYSTEM: Start at at Step 1.

FOR NON SELF CLOSING APPLICATIONS: Skip to Step 2.

Step 1: Reduce trunking assembly to suit the structural opening height.



Trunking assembly length = structural opening height - 36mm

Step 2: Prepare the structural opening

Calculating the Opening Width and Height - Non Fire Doors

- **Non Self Close:** Opening width in mm = (door width x 4) + 60
- **Self Close:** Opening width in mm = (door width x 4) + 124
- Opening height in mm = door height + 70mm

Note: 70mm allows for door to floor clearance (7 - 20mm range) + top of door to bottom of track clearance (19 - 32mm range) + track height (31mm)

Calculating the Opening Width and Height - Fire Doors

- **Non Self Close:** Opening width in mm = (door width x 4) - 70
- **Self Close:** Opening width in mm = (door width x 4)
- Opening height in mm = door height + 70mm

Note: 70mm allows for - (10mm rebate x 2) + 25mm into cavity x 2

Calculating the Finished Wall Thickness - Non Fire Doors

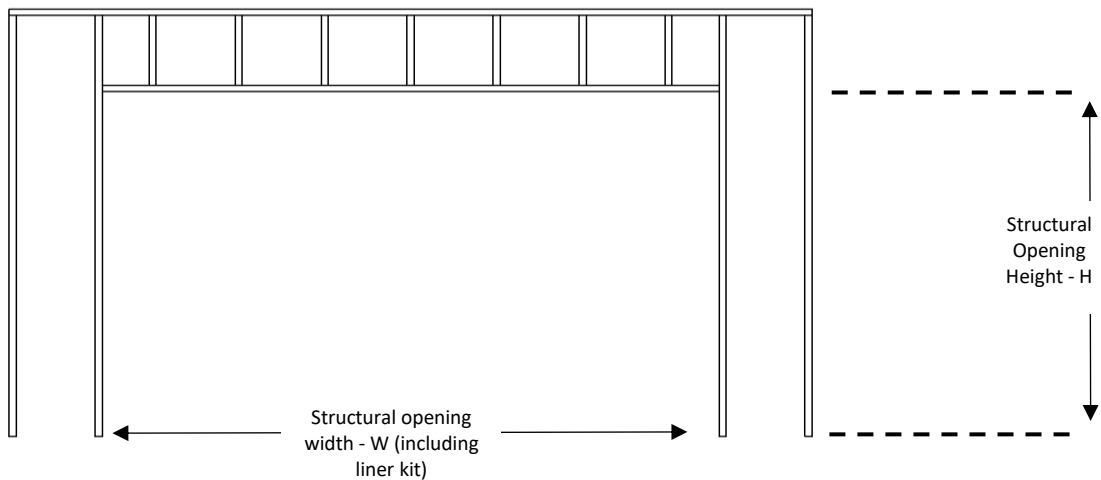
Finished wall thickness = cavity wall width + 12.5mm plasterboard either side e.g.

- 95mm cavity + (12.5mm x 2) = 120mm finished wall thickness
- 100mm + (12.5mm x 2) = 125mm finished wall thickness

Calculating the Finished Wall Thickness - Fire Doors

For fire installations, the system should be double boarded with fire rated board on both sides e.g.

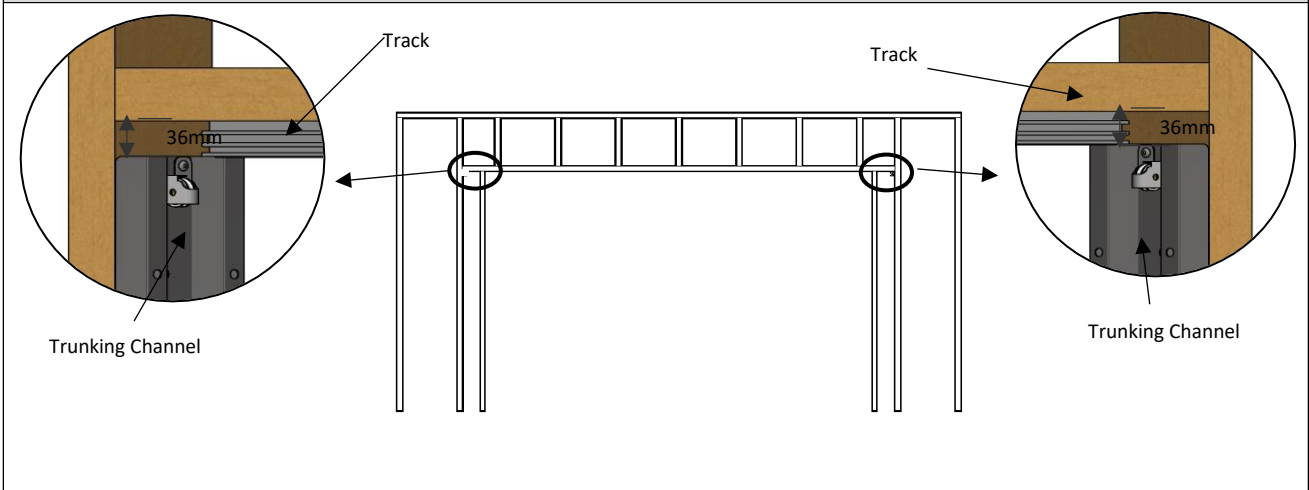
- 95mm cavity + (12.5mm x 4) = 145mm finished wall thickness
- 100mm cavity + (12.5mm x 4) = 150mm finished wall thickness



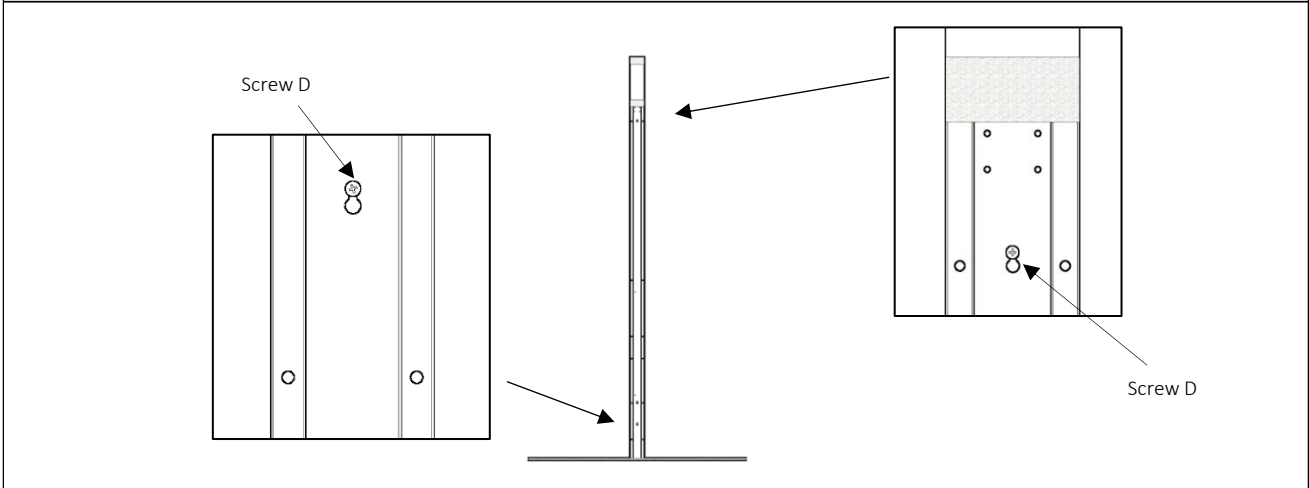
IF USING A SELF CLOSE SYSTEM: Continue onto step 3.

FOR NON SELF CLOSING APPLICATIONS: Skip to step 5.

Step 3: Position counterweight trunking assembly into both sides of the opening, it should be 36mm lower than the header.



Step 4: Secure counterweight trunking assemblies to either side of stud wall using screw D.



Step 5: Review the below Pocket Door Pro kit configuration and carry out any required routing.

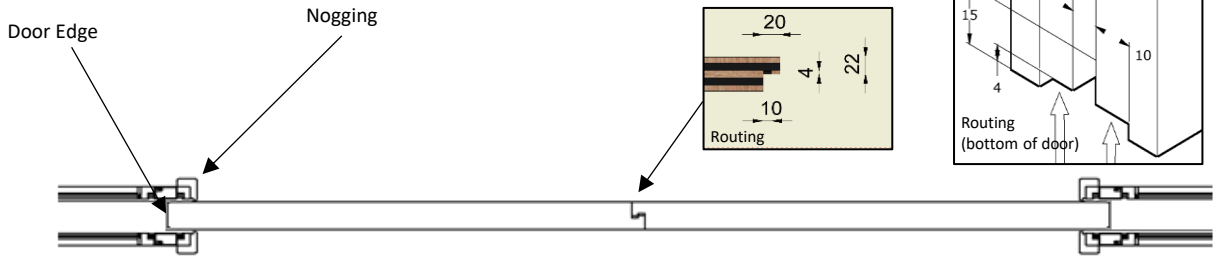
Non Fire Door Installations

Door should overhang 10mm into the aluminium upright edge pocket



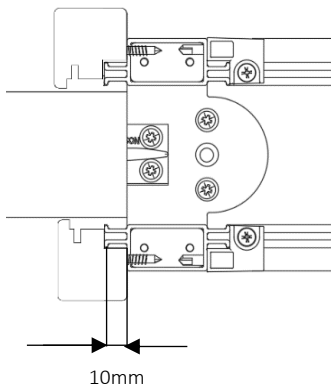
Fire Door Installations

Door should overhang 25mm into the aluminium upright edge pocket



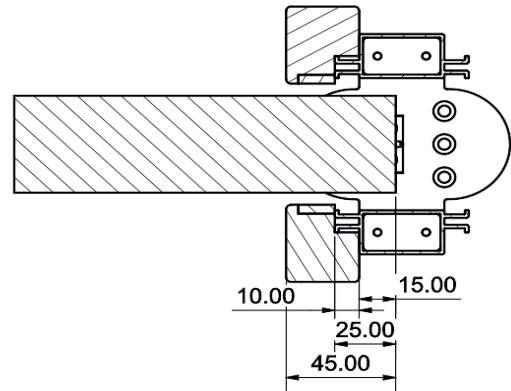
Plan View

Non Fire Rated

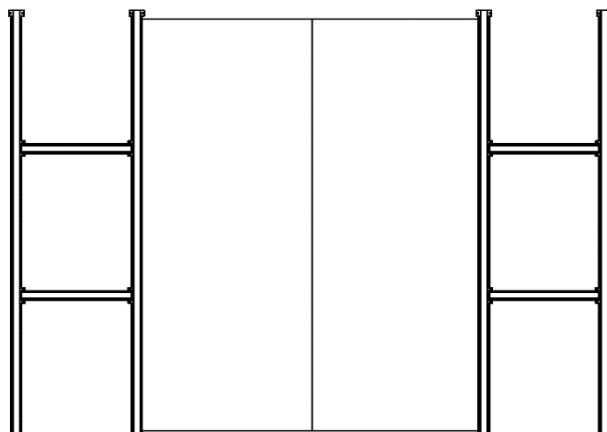


Plan View

Fire Rated



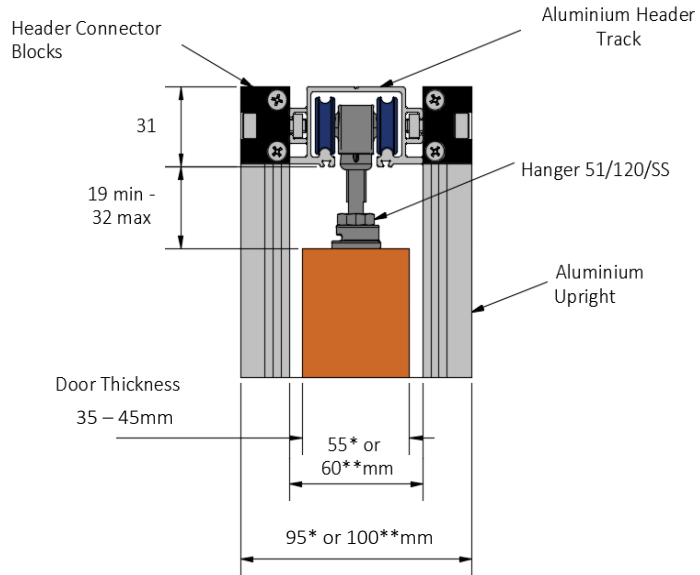
Front View (without track and fittings etc)



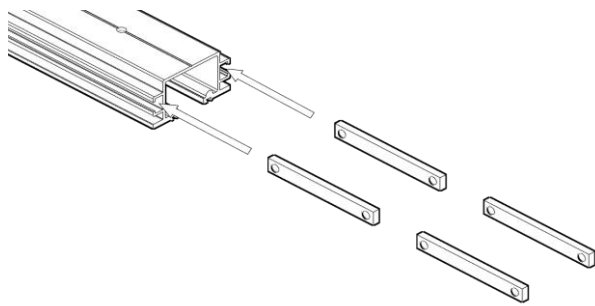
Header Detail

NOTE

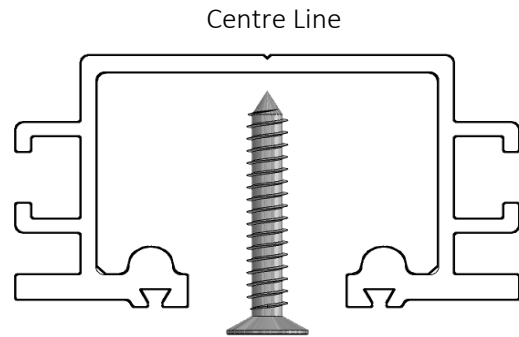
- * When using 120mm kit
- ** When using 125mm kit



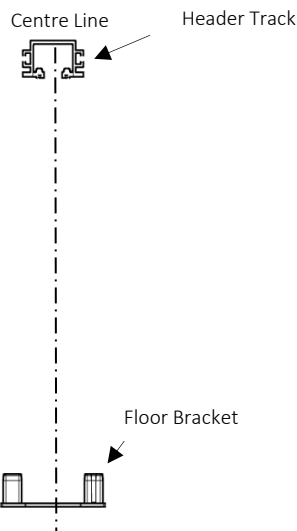
Step 6: Insert fixing plates into side wings of both tracks.



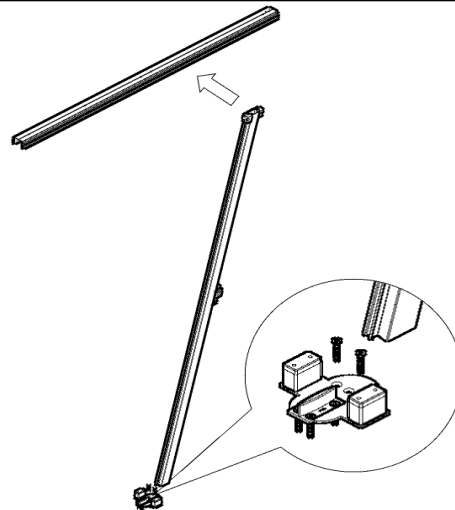
Step 7: Using suitable fixings (not by PCH), centre and fix the tracks in the soffit location. Make sure the track cut outs join in the centre.



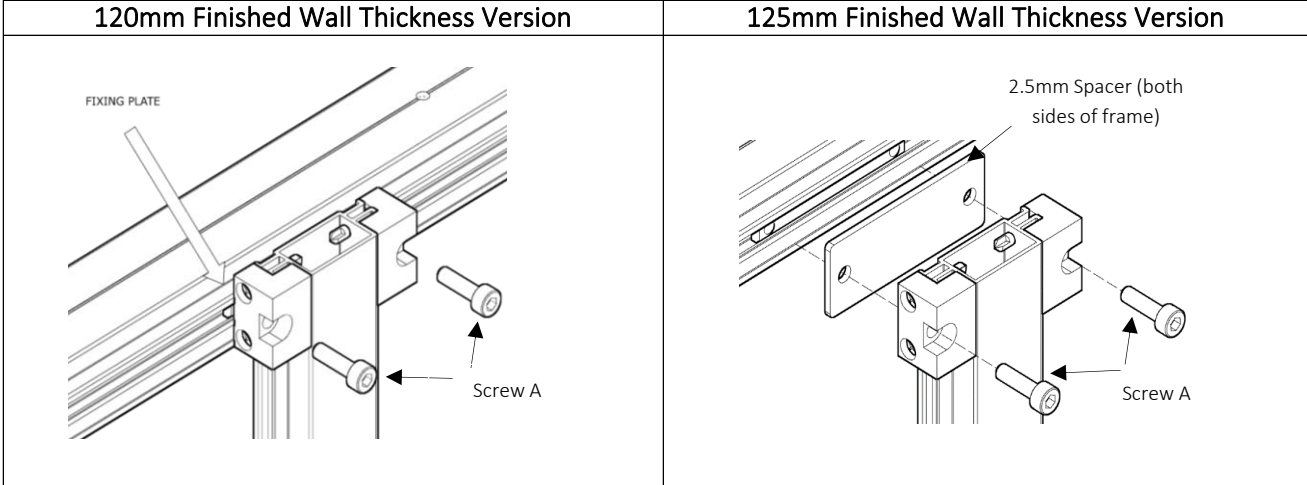
Step 8: Position the floor bracket on the ground so it is roughly in line with the centre of the header track. **Do not fix into place.**



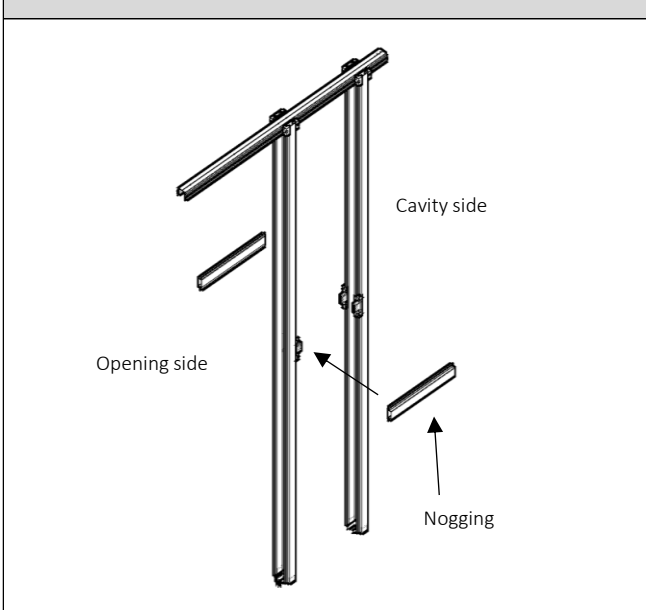
Step 9: Locate assembled upright on to floor guide and move into position. **Do not fix into place.**



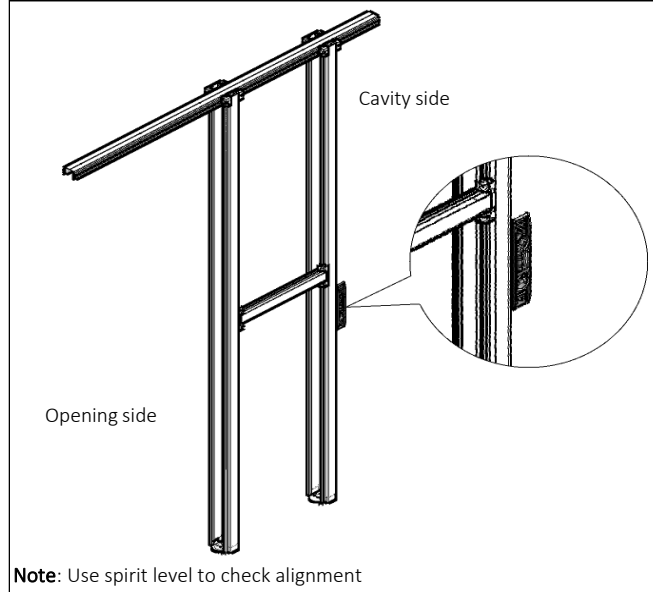
Step 10: Using the plan details from step 5, affix the uprights to the header track using the fixing plates and screw A. Fix into place.



Step 11: Position noggings onto the pre-assembled plastic spacers.

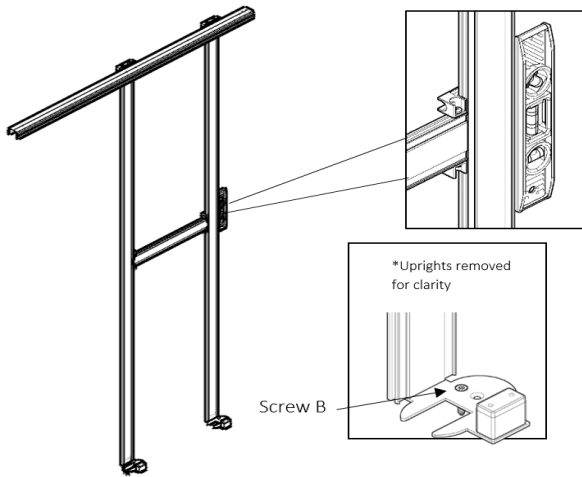


Step 12: Place second upright onto nogging to set width. Noggings are held in place by pre-assembled nogging blocks.



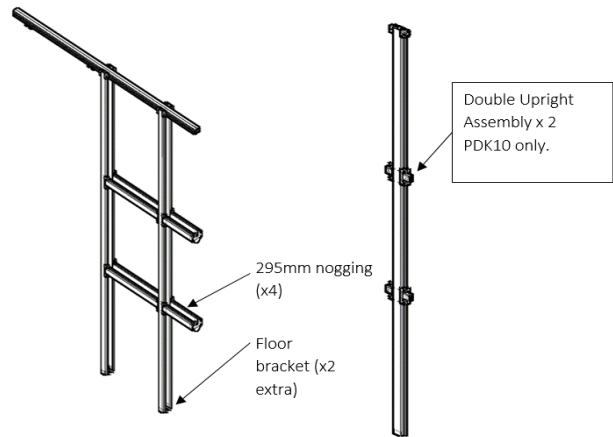
Step 13: Now everything is in place, fix both sets of floor brackets to the floor (using screw B) ensuring correct alignment using spirit level.

PDKPRO1-7 Only



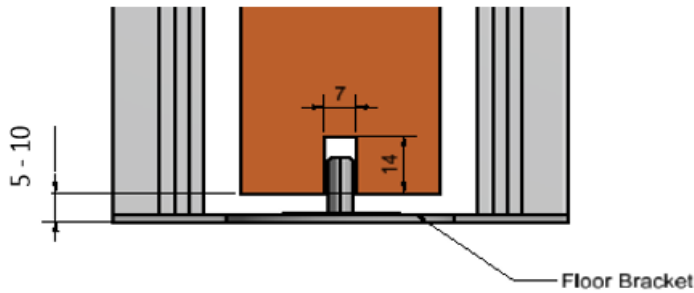
Note: If drilling into concrete, raw plugs not supplied

PDKPRO10 Only



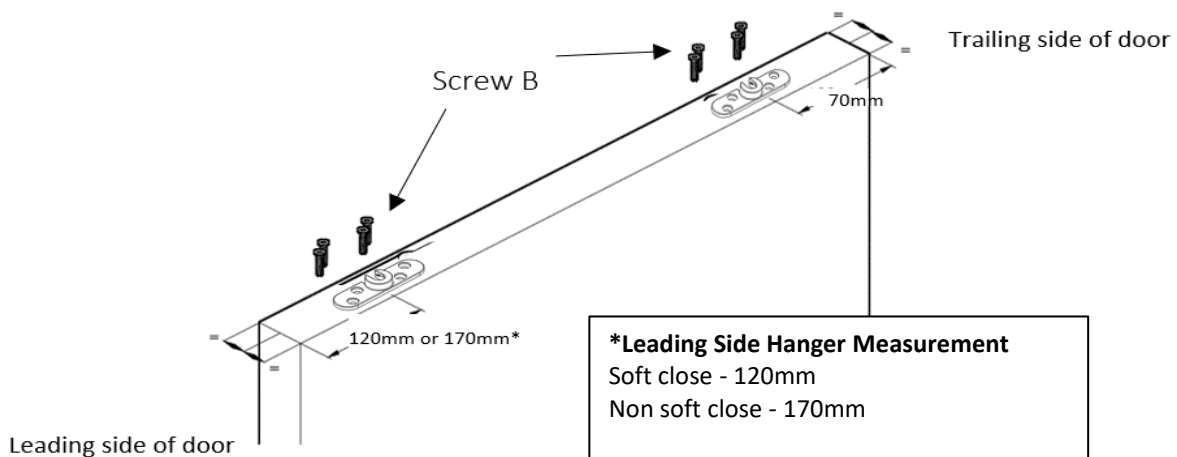
PDK PRO 10 CONFIGURATION: 295mm noggings are used to bridge the double upright assemblies and secure them to the end of the cavity (rough opening), using the floor brackets provided.

Step 14: Route the bottom of both doors and place 102N guide into gap in first floor bracket and screw into position



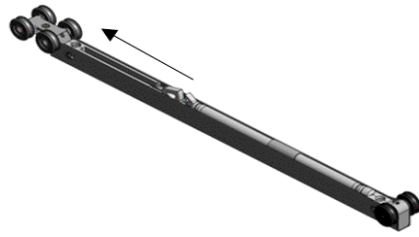
Note: If drilling into concrete, raw plugs not supplied.

Step 15: Attach apron plates to the door using screw B.



***Leading Side Hanger Measurement**
Soft close - 120mm
Non soft close - 170mm

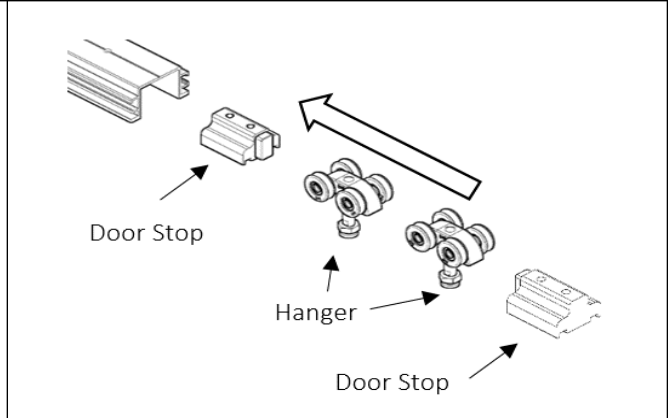
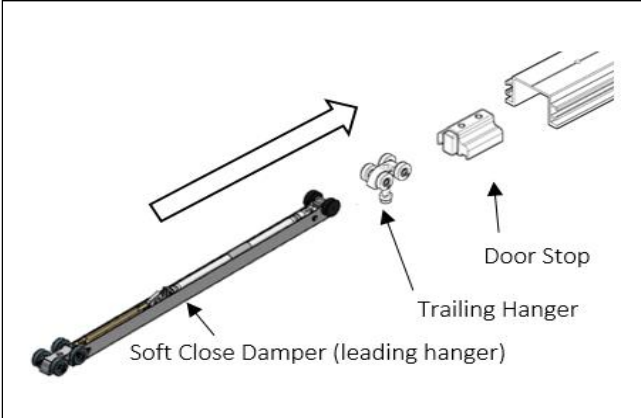
Step 16: For standard PDKPRO kit, skip to step 17. For PROSOFT kits, tension the spring of the soft close by pulling into the holding bay.



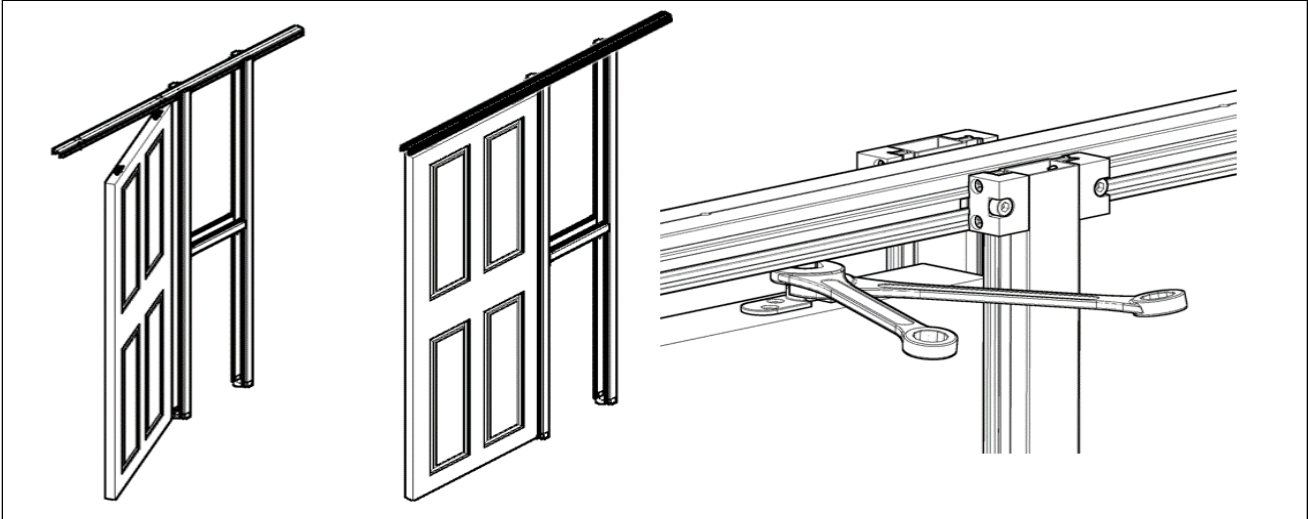
Step 17: At the circular cut-out end of each track, insert components into the track in the order shown (kit dependent).

Soft Close

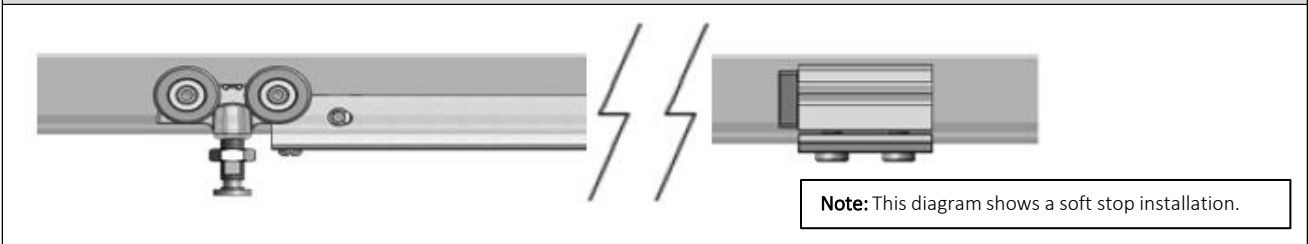
Non Soft Close



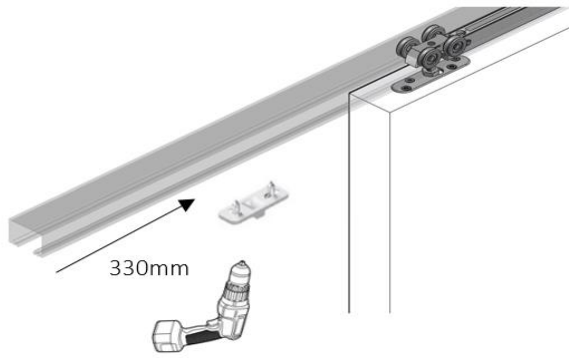
Step 18: Hang the door - attach door to hangers and secure lock nut using 6 and 13mm spanner.



Step 19: Position the door to suit and secure track stop/s into position using an allen key.



Step 20: For PROSOFT installations only - fix the trigger to the underside of the track.



When Securing Trigger:

Drill through horizontal hole, and check to see if the door catches the trigger as required. If so, secure other trigger hole.

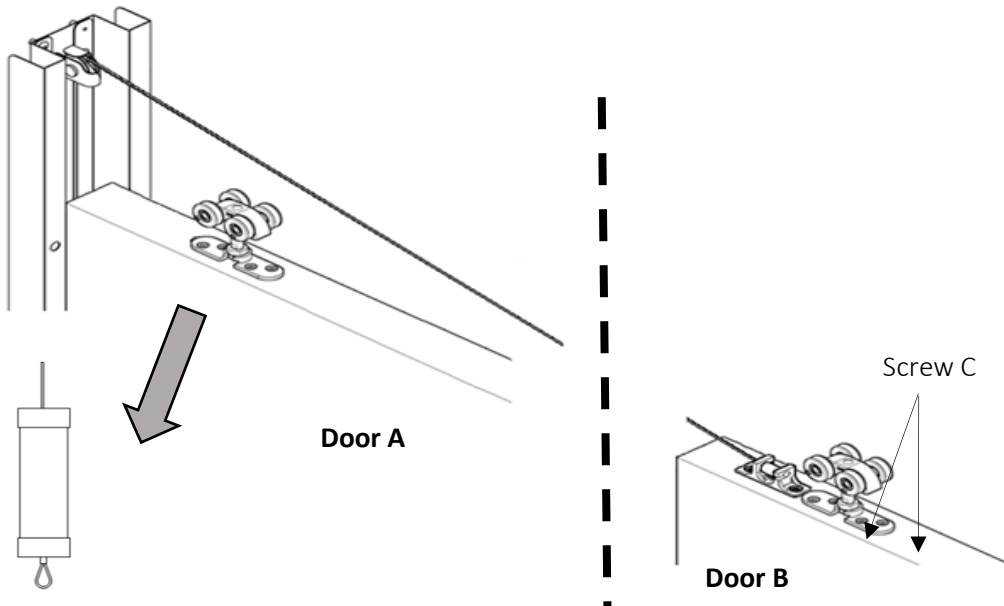
If the door does not catch as required, the trigger can be repositioned by adjusting the positioning within the fixing hole. Once the door catches, secure the other hole.

FOR SIM KIT INSTALLATIONS: Please see separate instructions, then continue onto step 21.

FOR NON SIM KIT INSTALLATION: Move onto step 24.

FOR NON SIM KIT WITH SELF CLOSE INSTALLATIONS: Continue onto step 21.

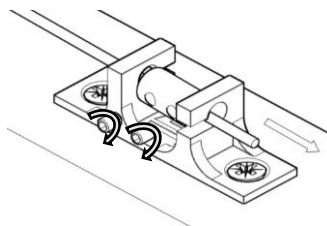
Step 21: Attach cable securing bracket to the top of the door, butt up to apron plate and secure using screw C. Repeat for the second door - it should be a mirror image of the first door set up.



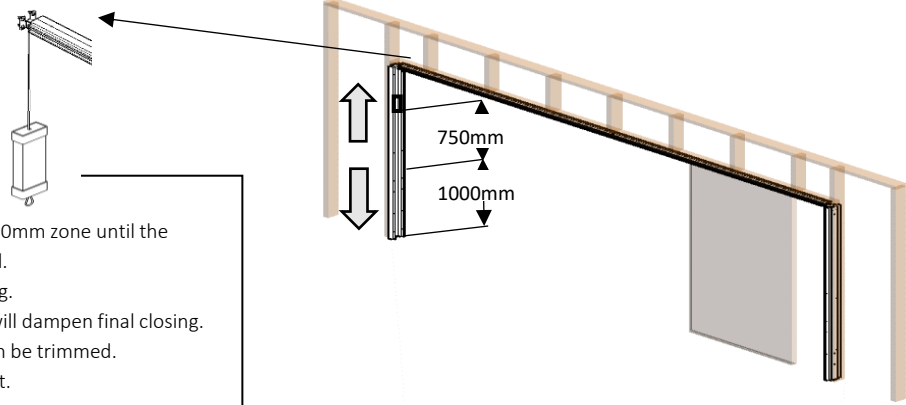
The pre-looped end is threaded through the weight, and should be at the bottom of the weight, as shown.

Please Note: If installing a PROSOFT kit, the hanger shown will be the apron plate which attaches to the damper, not the individual hanger.

Step 22: With door in fully closed position, loosen grub screws in the cable clamp and pull cable through the clamp to apply tension to the cable. Adjust the length of cable to suit the travel of door width. Tighten grub screws to hold cable in position.



Step 23: Set the door closing mechanism at both sides of the opening to suit requirements of speed.



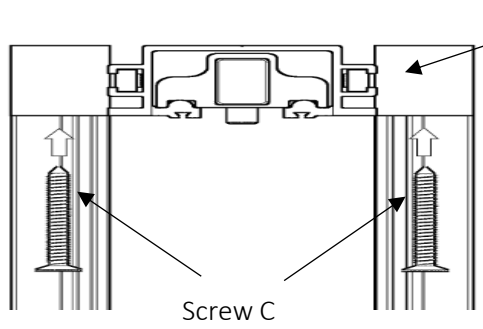
How to Set the Door Speed

- 1) Move weight up and down in the 750mm zone until the required closure and speed is achieved.
- 2) Higher for heavy doors/faster closing.
- 3) When using with a soft close - this will dampen final closing.
- 4) Once complete, the excess cable can be trimmed.
- 5) Repeat with second door and weight.

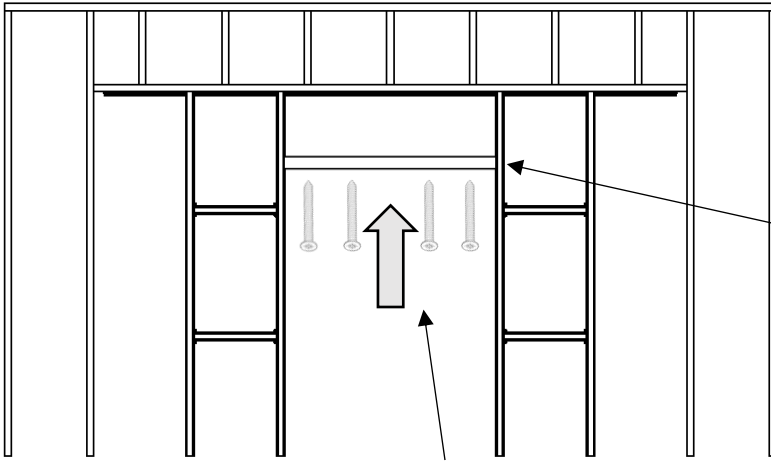
Step 24: For non fire rated system follow step 24A; for FD30 systems follow steps 24B and 24C.

<p>24A: Add brush strips to non-fire rated liner kit.</p>	<p>24B: Add intumescent strips to fire rated liner kit.</p>	<p>24C: Add intumescent strips to the base of the door (pre routed) and on the inside edges of the door (pre routed).</p>
		<p>Cable clamp (if self close being used)</p>

Step 25: Cut track packers to suit opening and secure with screw C (pilot drill & countersink if required)



Track Packer Reduction Calculation
Reduction = (Door width x2) – 20mm



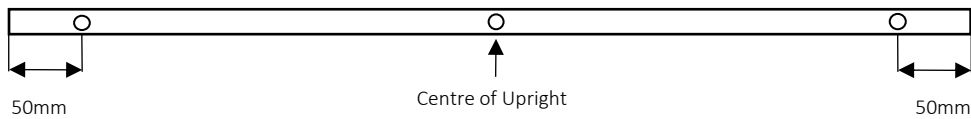
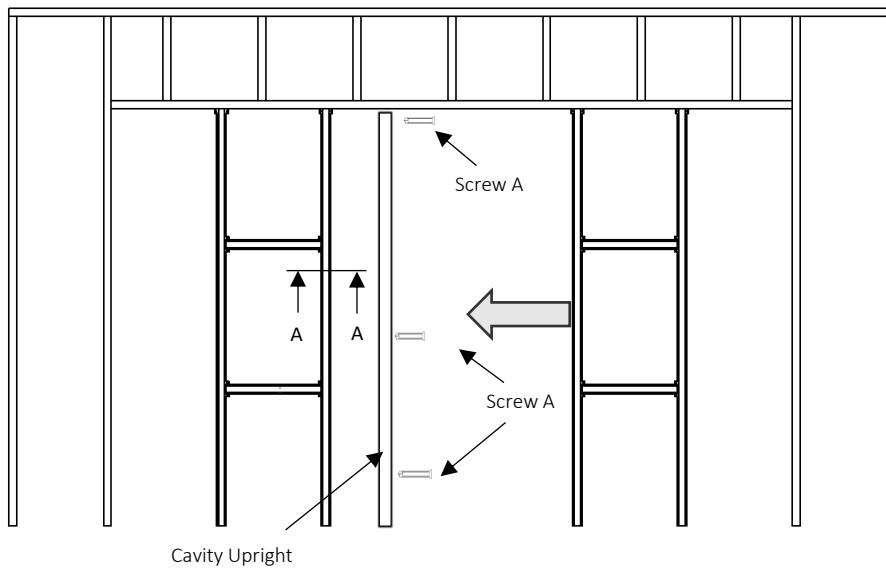
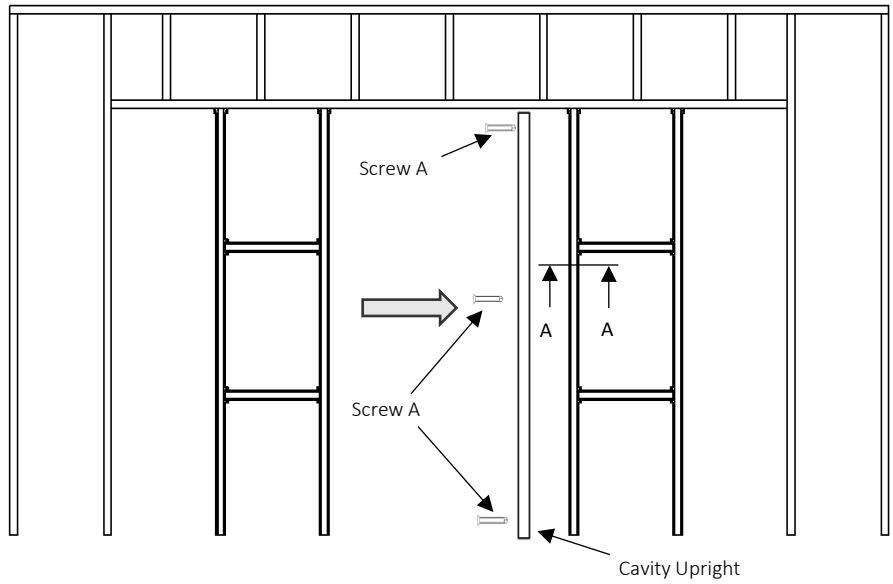
Track Packers
(one either side of track)

4 x Screw C
(Equal space between each)

Step 26: Cut down cavity upright to suit opening height and secure with screw A (pilot drill & countersink if required).

Cavity Upright Timber Reduction Calculation

Reduction = Opening Height (OH) – 30mm



Section A-A – Screw Positions (Non Fire Rated)

Finished Opening Width Calculation (With Liner Kit in Place)

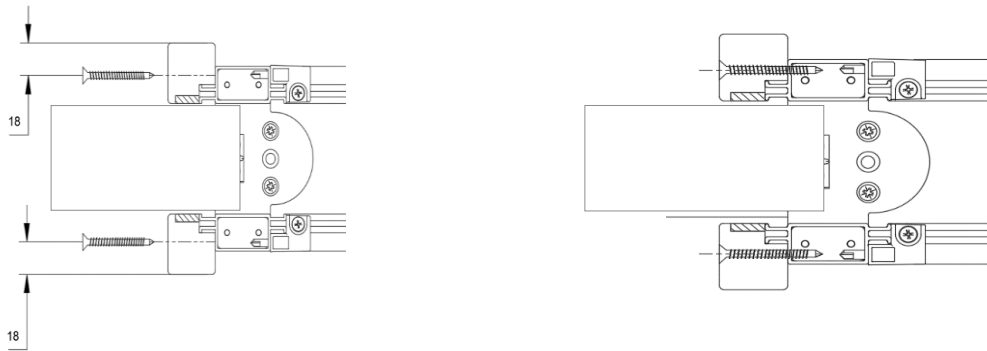
(Door Width x2) - 40mm (for liner uprights 20mm x2)



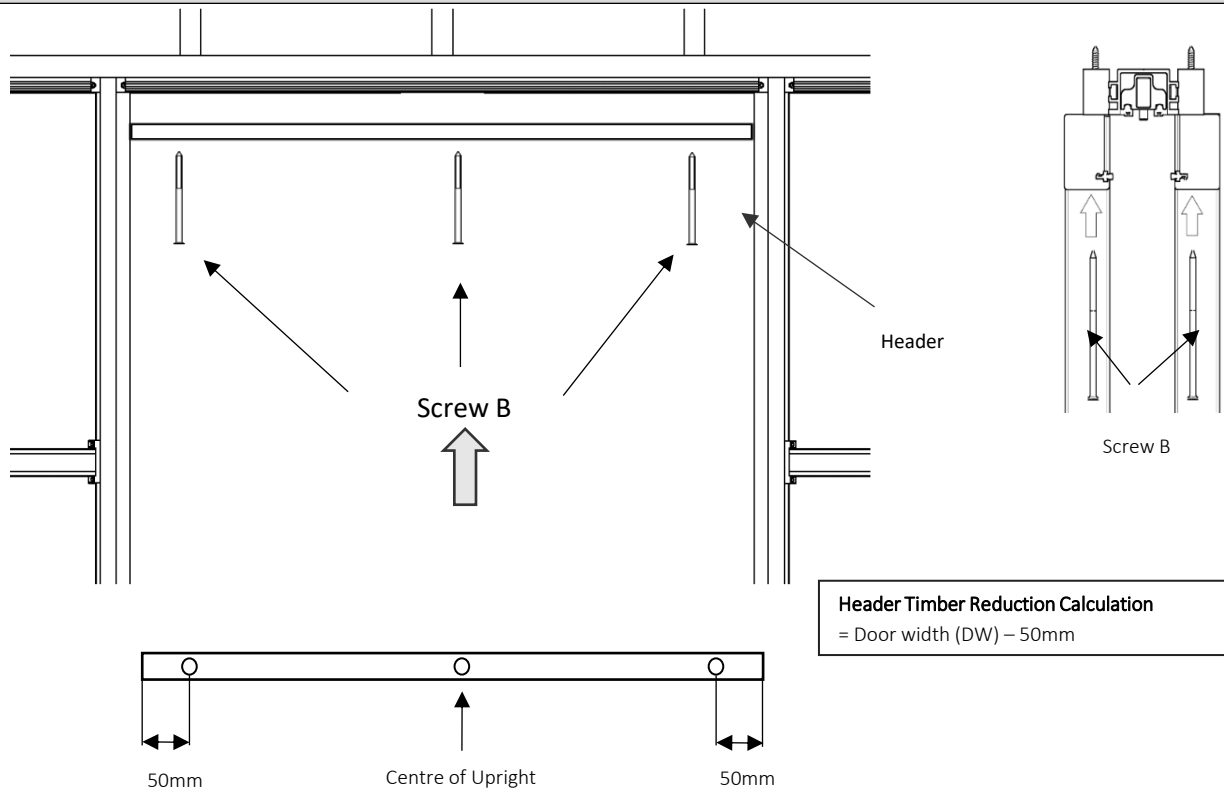
Section A-A – Screw Positions (Fire Rated)

Finished Opening Width Calculation (With Liner Kit in Place)

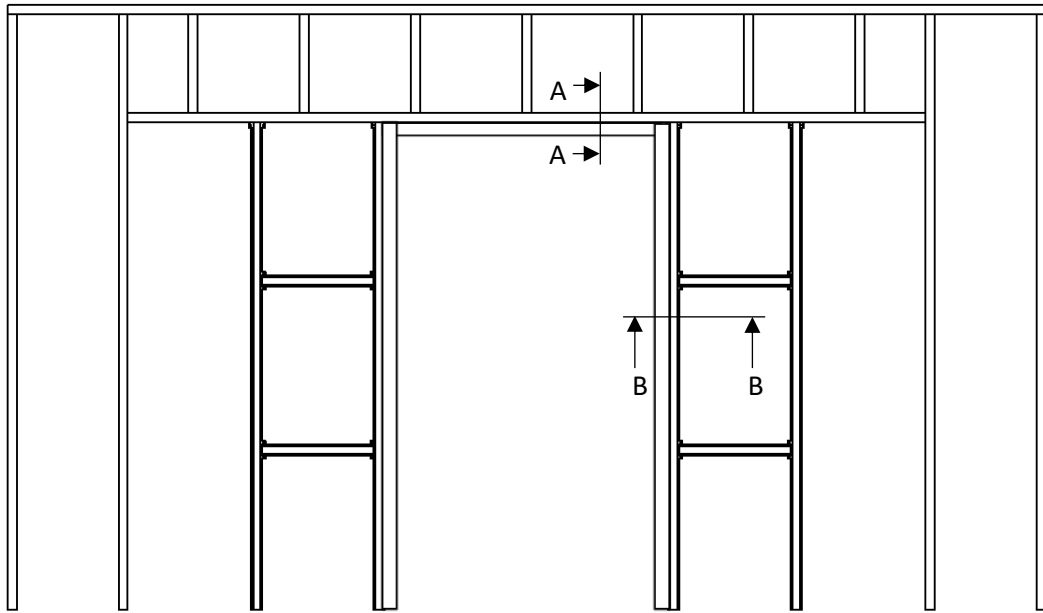
(Door Width x2) - 40mm (for liner uprights 20mm x2) - 70mm (25mm each into the aluminium upright and 10mm x 2 door overlap)



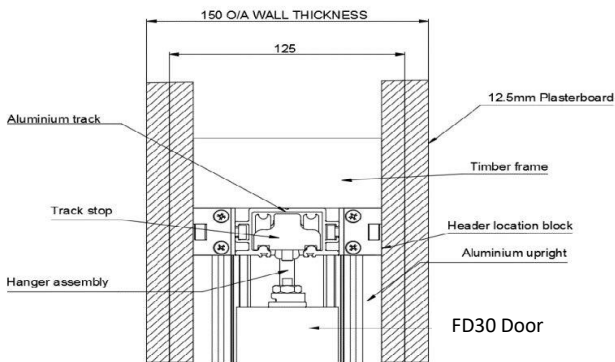
Step 27: Cut headers to length and secure either side with screw C (pilot drill & countersink if required).



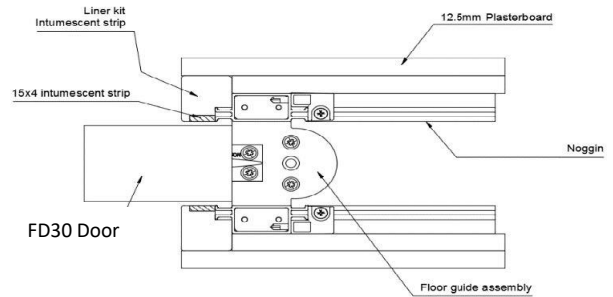
FIRE RATED VERSION: To ensure compliance with BS 476 Part 22 – PDKPRO should be double fire boarded with 12.5mm fire rated board. See page 5 for full equation.



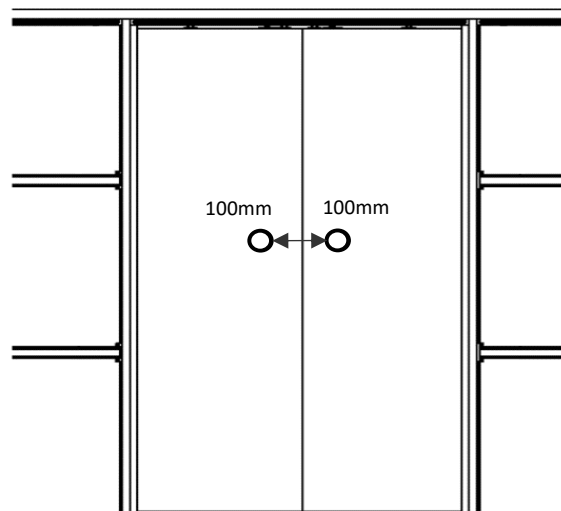
Section A



Section B



Step 28: Fit flush pulls if required. For fire rated installations please ensure flush pull handles are installed 100mm in from rebated edge of door - if using silicone this must also be fire rated. Please refer to the field of application report for full details (available upon request).



NOTES SPECIFIC TO ADDITION OF SELF-CLOSING MECHANISM

1. When installing a self-closing liner kit, ensure mechanism is adjusted to suit closing speed requirements
2. Should you require to change the door within a system, ensure the self-closing mechanism is re adjusted to suit new door.

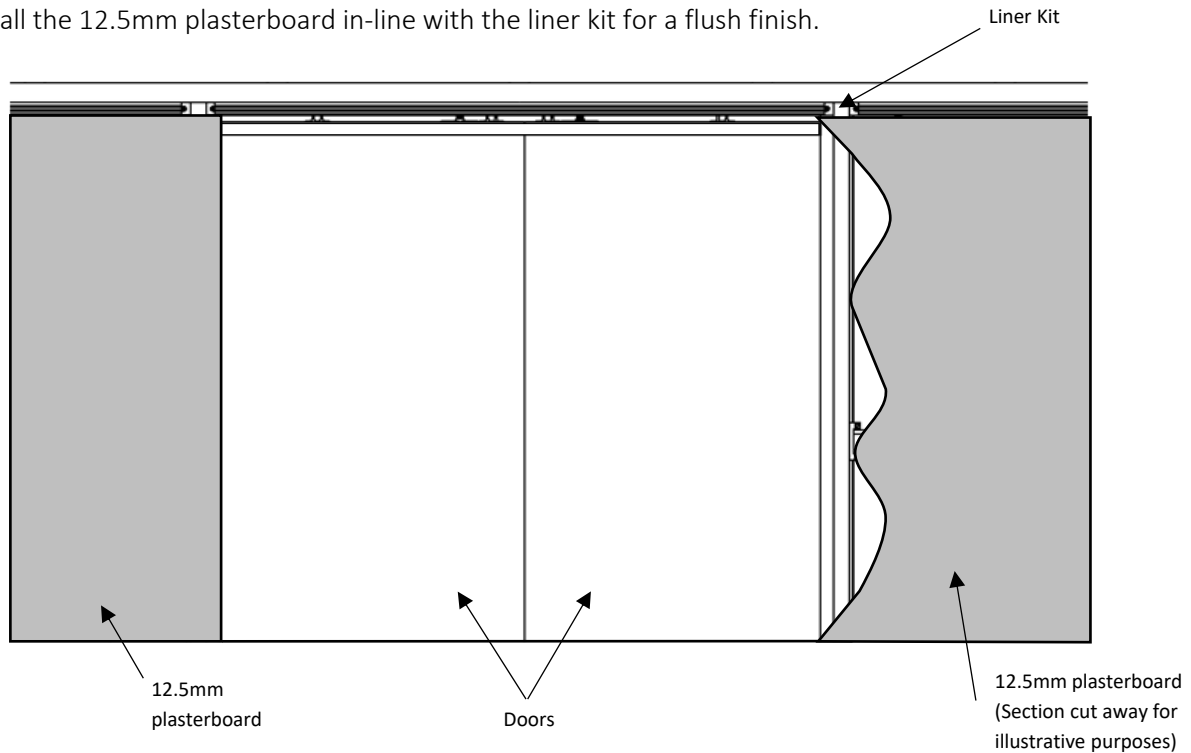
FINISHING TOUCHES

1. Finish off installation by adding provided screw caps to exposed screw heads.
2. Ensure plasterboard is butted up tight against the outside of all the jambs.
3. For fire installation applications, plasterboard requirement is double.

ARCHITRAVE FREE INSTALLATION - OPTIONAL

NON-FIRE

Install the 12.5mm plasterboard in-line with the liner kit for a flush finish.



FIRE RATED

Install the first layer of 12.5mm fire board in line with the liner kit and the second layer on top of the first layer for a flush finish.

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