

ROOMFLEX PRO

Fitting Instructions

HENDERSON

WATCH THE INSTALLATION VIDEO

Visit: www.pchenderson.com/roomflex-pro-installation-video/
Or scan the QR code using your phone

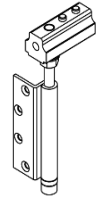
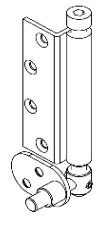
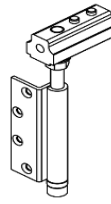
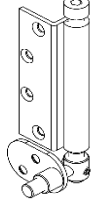
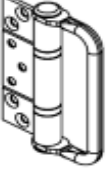

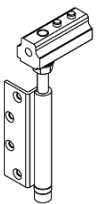
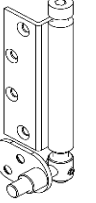
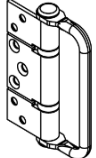
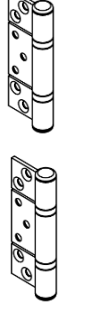



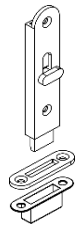


KIT SPECIFICATION

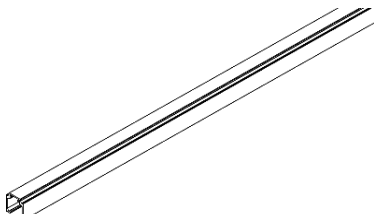
Kit Code	Door Configuration	Kit Contents	Max. Door Height	Max. Door Width	Max. Door Thickness	Max. Door Weight
GIR9993	2 + 1	1 x two door kit, 1 x one door pivot kit, 1 x 2.8m track	3000mm	838mm	35 - 44mm	40kg
GIR9994	3	1 x three door kit, 1 x 2.8m track	3000mm	838mm	35 - 44mm	40kg
GIR9995	3 + 1	1 x three door kit, 1 x one door pivot kit, 2 x 1.9m track	3000mm	838mm	35 - 44mm	40kg
GIR9996	3 + 2	1 x three door kit, 1 x two door kit, 1 x 1.9m track, 1 x 2.8m track	3000mm	838mm	35 - 44mm	40kg
GIR9997	3 + 3	2 x three door kit, 2 x 2.8m track	3000mm	838mm	35 - 44mm	40kg

KIT CONTENTS

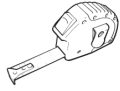



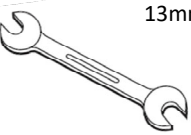



It is recommended that a light smear of general purpose grease is applied to all bolts prior to assembly.

1 Door Pivot Kit	2 Door Kit	3 Door Kit
 Top Pivot  Bottom Pivot	 Top Pivot  Bottom Pivot  Intermediate Hinge Handle Set  Flush Bolt Set (x 2)	 Top Pivot  Bottom Pivot  Offset Hinge Handle Set  Intermediate Hinge Set
	 2, 3 & 5mm Allen Keys  Wrapped Hanger Hinge	 2, 3 & 5mm Allen Keys  Flush Bolt Set (x 3)

Track



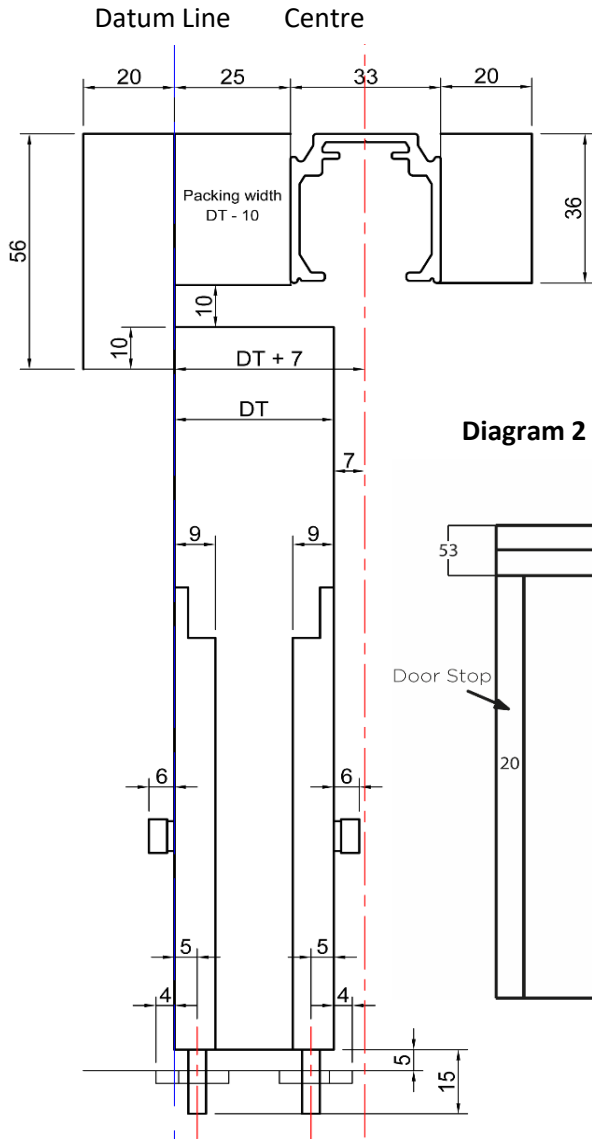
TOOLS

 Tape Measure	 Drill	 12mm Drill Bit	 Saw	 13mm Spanner	 24mm Router	 Router
					 Pencil	

FRAME DIMENSIONS

Ensure the opening is square and level and all load bearing areas are suitable for the weight of the system. Take particular care to ensure there is sufficient strength in the structure above the opening to take the concentrated weight of the doors, when in the open position. The Roomflex Pro system provides +/- 5mm of horizontal adjustment

Diagram 1 - Section View



Key	
DW	Door Width
DH	Door Height
DT	Door Thickness

Diagram 2 - Elevation View



Opening Size Formula

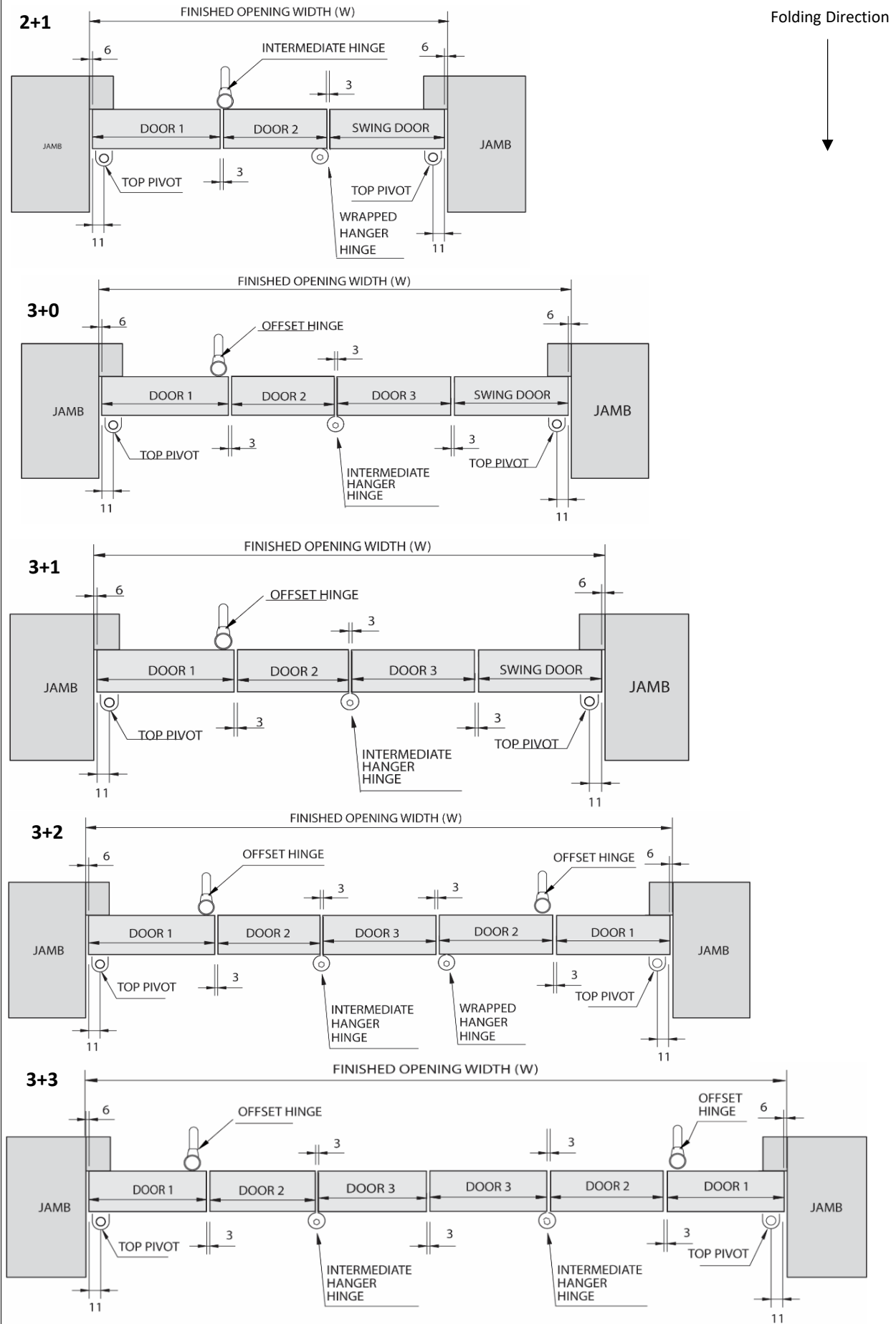
Door Configuration	Opening Width	Opening Height
2+1	$(DW \times 3) + 18$	DH+55
3+0	$(DW \times 3) + 18$	
3+1	$(DW \times 4) + 21$	
3+2	$(DW \times 5) + 24$	
3+3	$(DW \times 6) + 27$	

Example

Door Size	Door Configuration	Opening Width	Opening Height
1981mm x 762mm	2+1	2304mm	2036mm
	3+0	2304mm	2036mm
	3+1	3069mm	2036mm
	3+2	3834mm	2036mm
	3+3	4599mm	2036mm

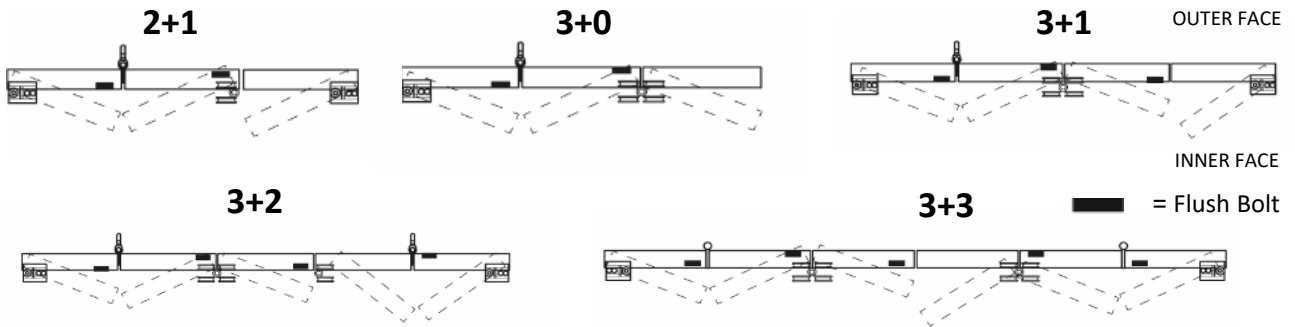
Please ensure all doors are measured accurately prior to installation.

SYSTEM OVERVIEW

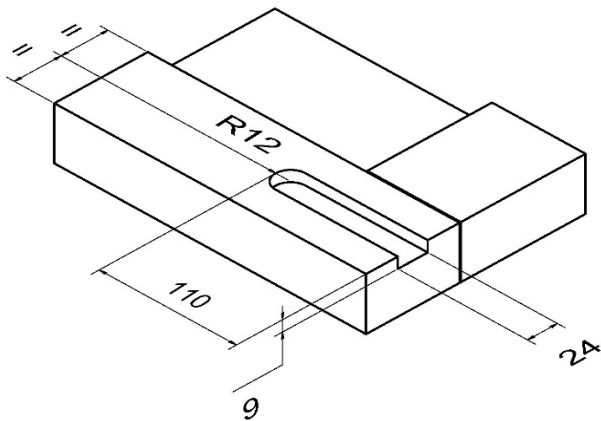


STEP BY STEP INSTRUCTIONS

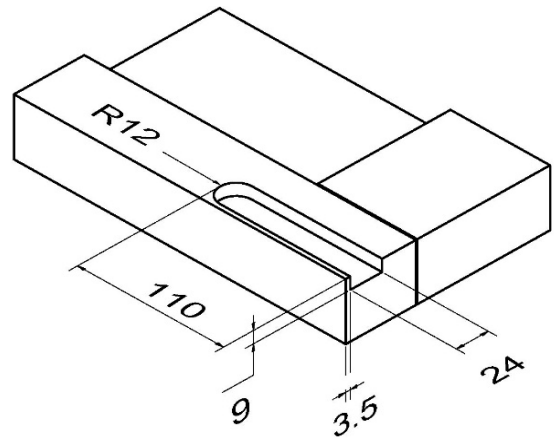
STEP 1: Route the area for the flush bolts in the bottom of the door are per your chosen door configuration.



Flush Bolt Routing Details - Solid Door

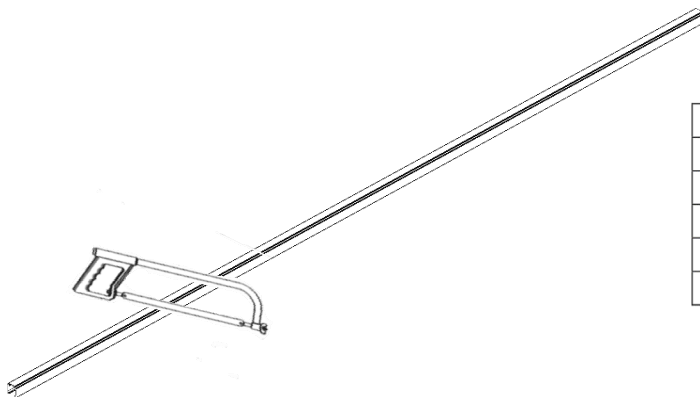


Flush Bolt Routing Details - *Hollow Door



NOTE* IF WIDTH OF DOOR REQUIRES TRIMMING, DO NOT TRIM ANYTHING FROM THE FLUSHBOLT STILE

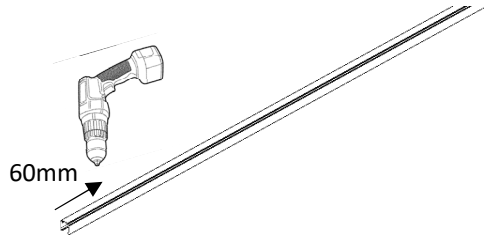
STEP 2: Cut track to the required length



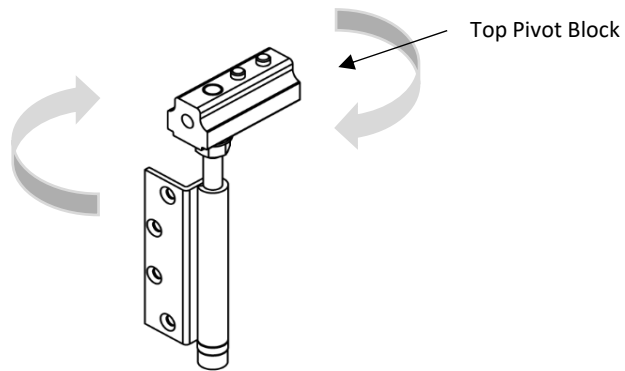
Door Configuration	Track Length
2+1	$(DW \times 3) + 18$
3+0	$(DW \times 3) + 18$
3+1	$(DW \times 4) + 21$
3+2	$(DW \times 5) + 24$
3+3	$(DW \times 6) + 27$

Key	
DW	Door Width

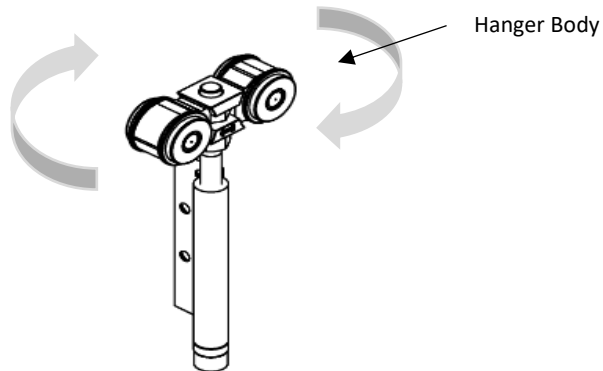
STEP 3: Ensure there is a hole located within 100mm from the end of the track. If not, drill a 5mm hole 60mm from the end of the track.



STEP 4: Unscrew the top pivot block(s) from the top pivot.

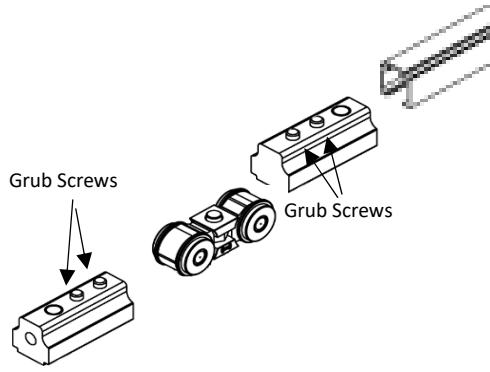


STEP 5: For 2+1 and 3+2 configurations, unscrew the hanger body from the wrapped hanger hinge.

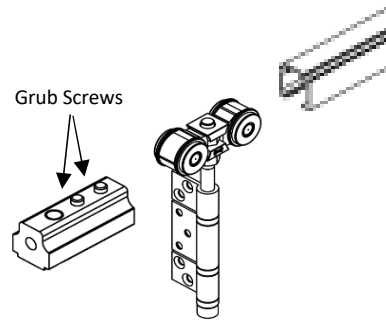


STEP 6: Slide pivot block(s) and hanger(s) into the track in the order and orientation shown.

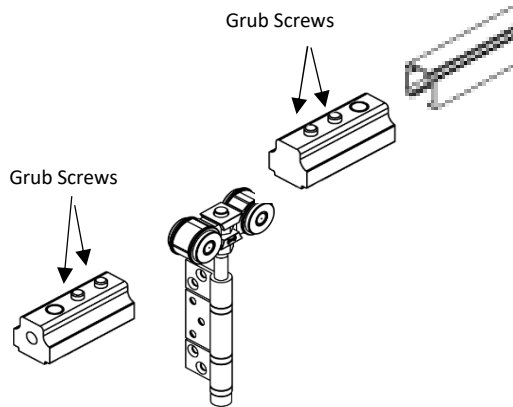
2+1



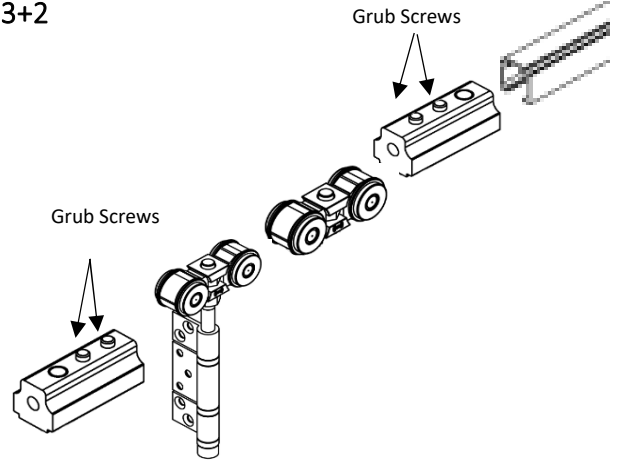
3+0



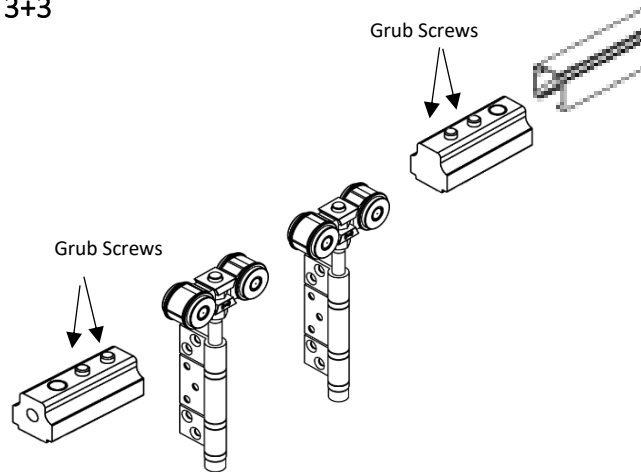
3+1



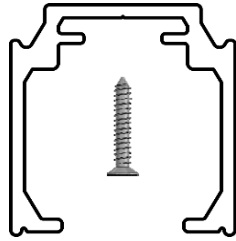
3+2



3+3

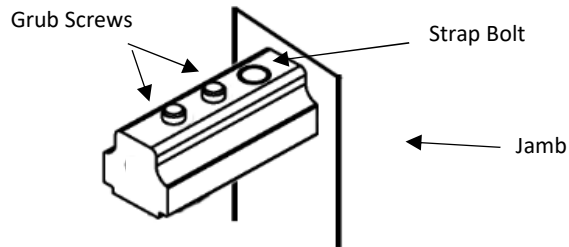


STEP 7: Secure the track into place.

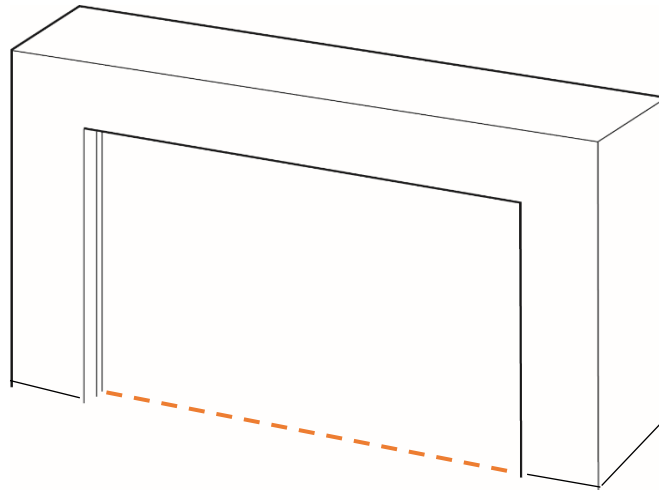


Please Note: Fixings are not provided. Suitable fixings should be used to support the weight of the system

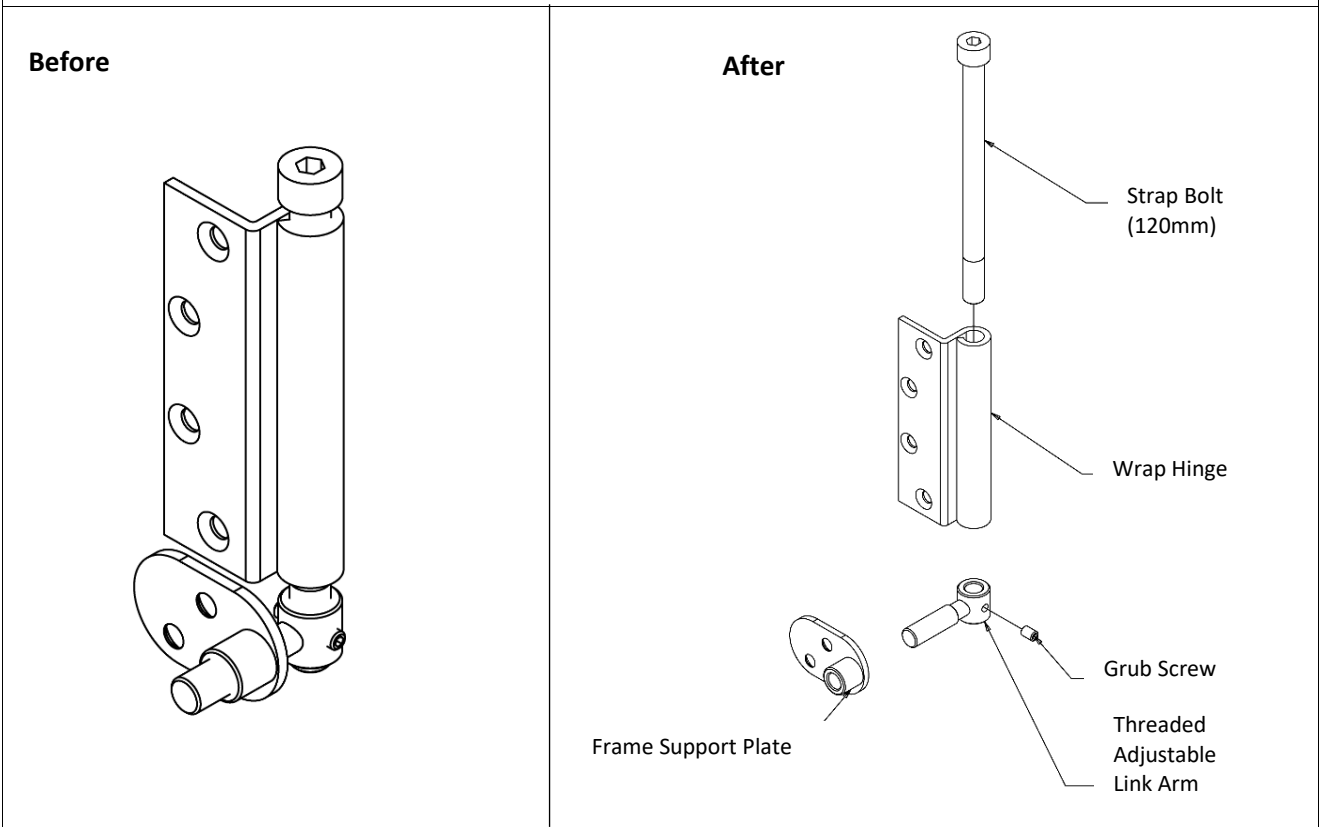
STEP 8: Slide pivot block(s) within the track until they are flush to the frame and secure in place by tightening the grub screws with the 3mm allen key.



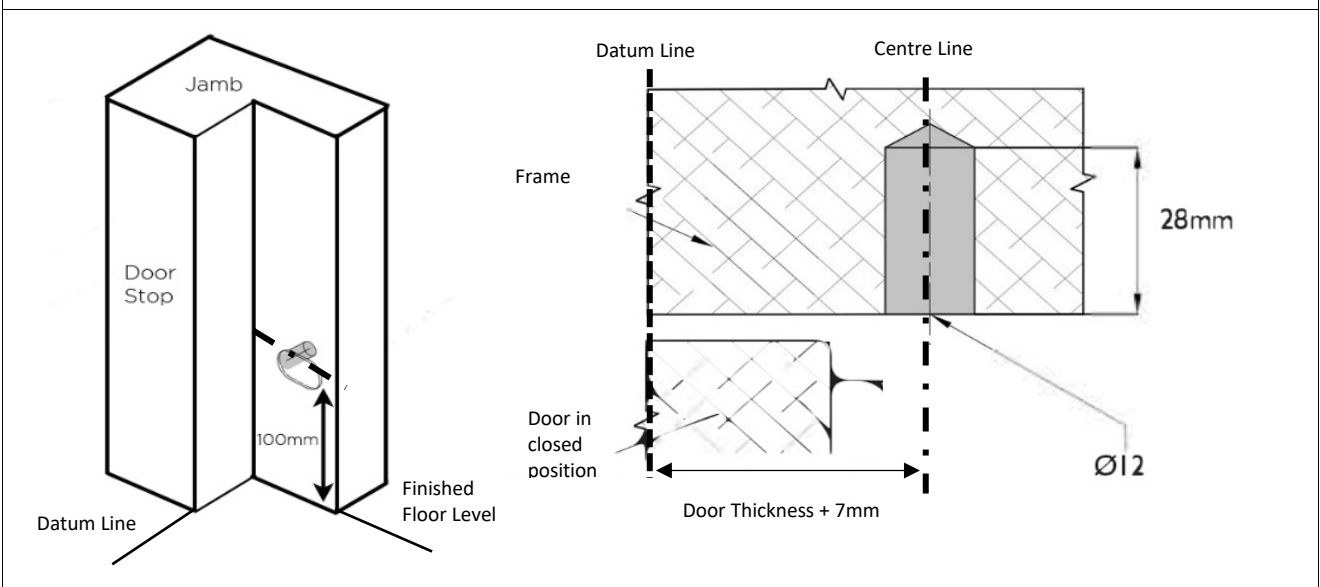
STEP 9: Strike a line on the floor across the opening at the point where the datum line meets the floor - please refer to diagram 1.



STEP 10: Disassemble the bottom pivot.



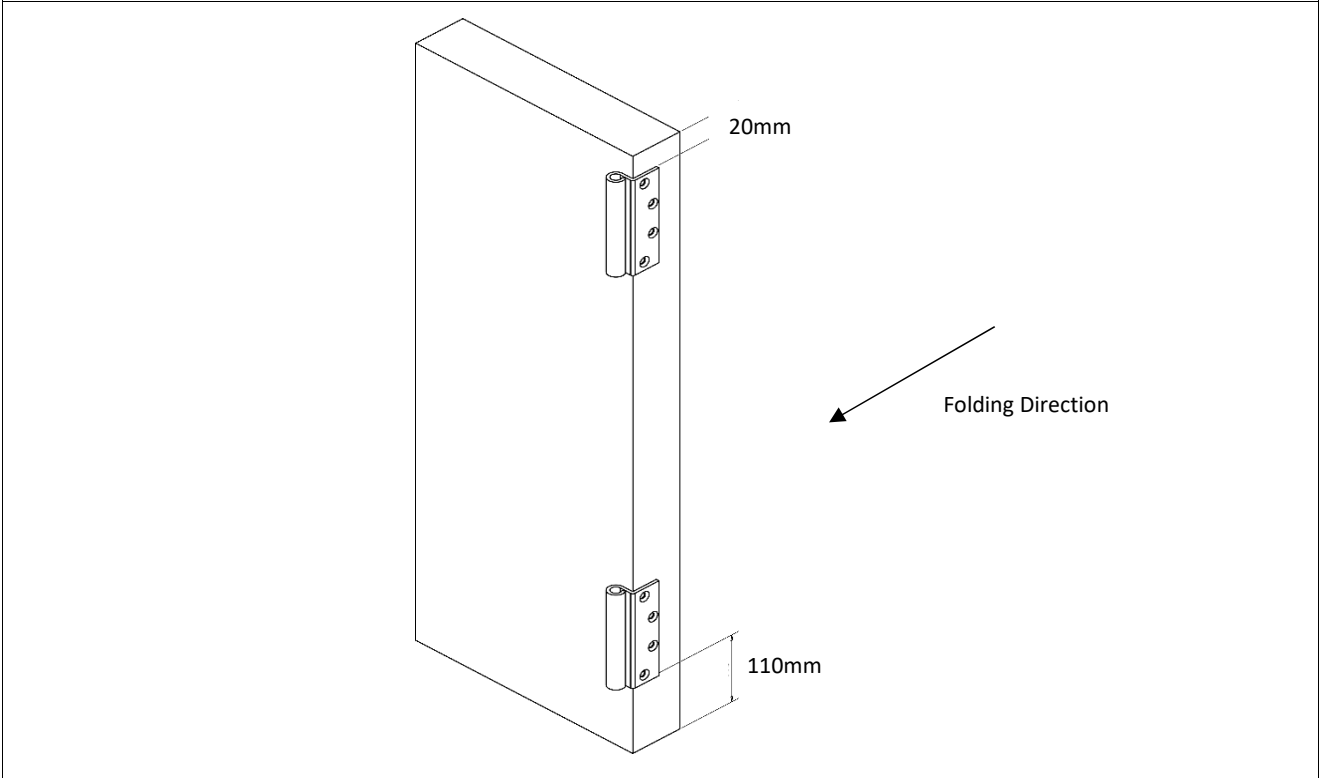
STEP 11: Fix the rebated edge of the frame support plate to the frame on the pivot door side. Repeat this step on the other side of the frame (only if you are installing a 2+1, 3+1, 3+2, 3+3 configuration).



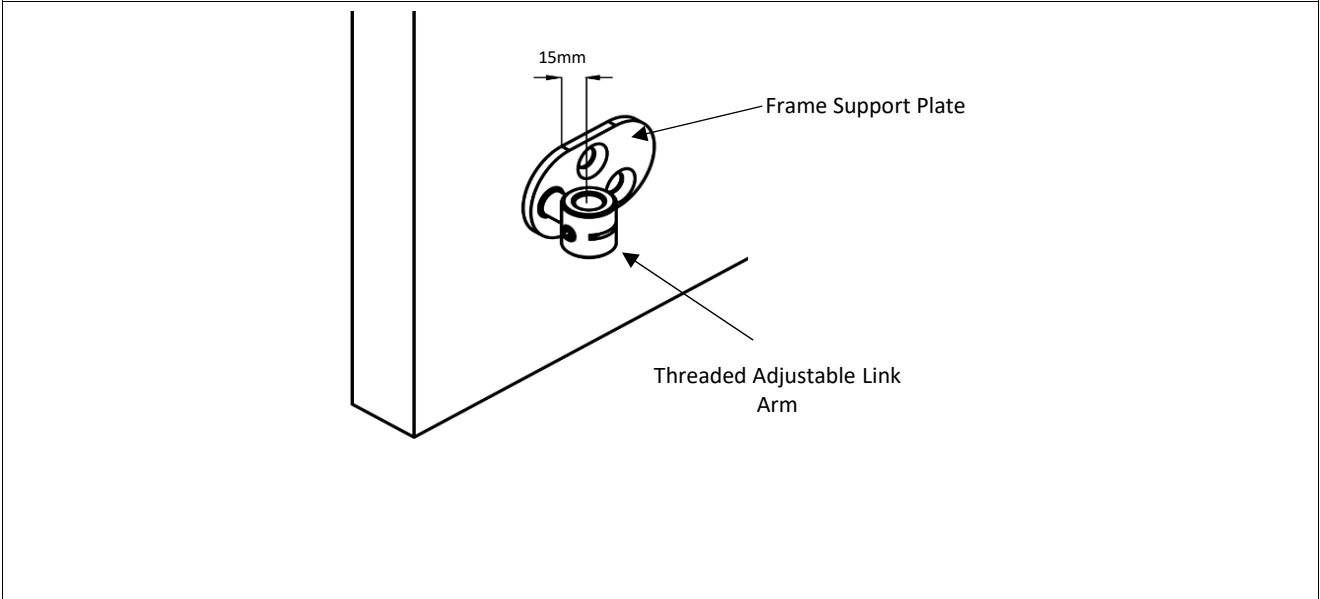
Please follow the below steps in accordance with your chosen door configuration. For the purpose of the below instructions, we have outlined an installation where doors fold to the right. For doors folding to the left, please install the system as a mirror image.

PIVOT DOOR KIT

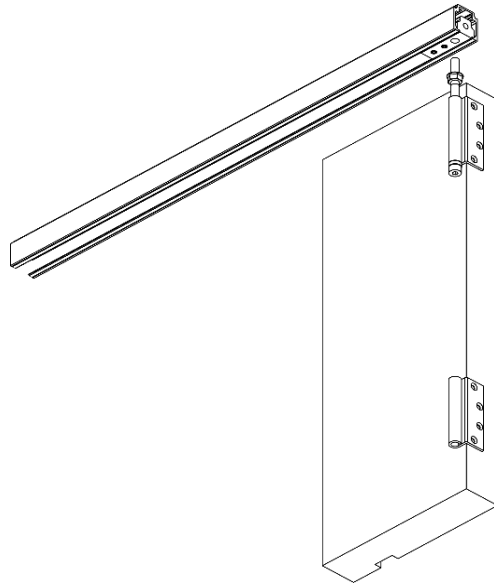
STEP 12: Fix the top pivot and bottom pivot hinges to the right side of the pivot door.



STEP 13: Screw the threaded adjustable link arm into the frame support plate until the centre of the link arm hole is 15mm from the frame. Slide the door up against the frame.

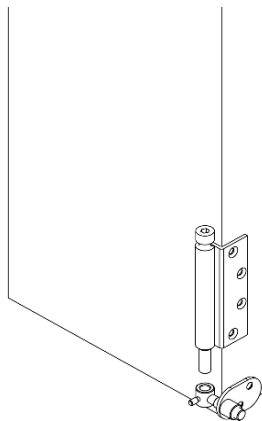


STEP 14: Raise the door 5mm from the floor. Unscrew the serrated nut from the strap bolt, slide the strap bolt through the hinge and reattach the serrated nut. Align the strap bolt with the pivot block and tighten with a 5mm allen key.



Please ensure doors are parallel and square

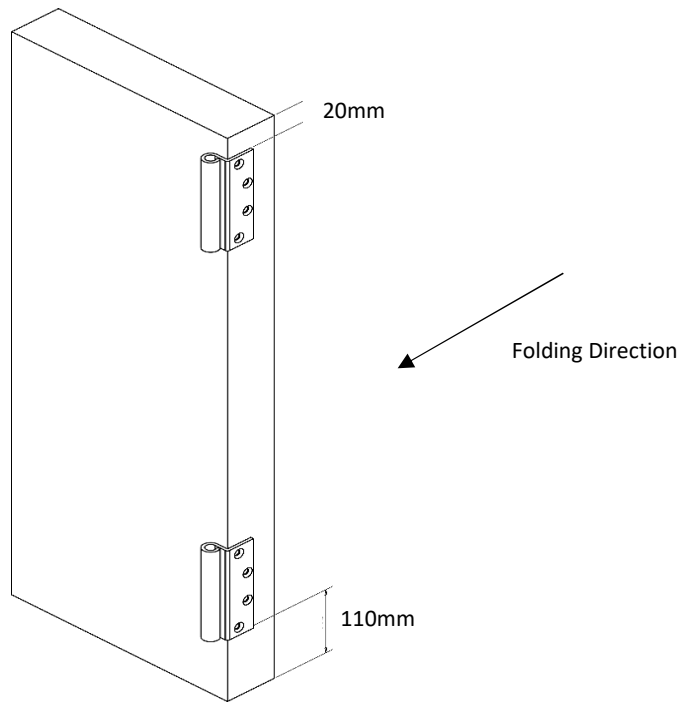
STEP 15: Slide the bottom strap bolt through the bottom hinge and into the threaded adjustable link arm. Tighten with a 5mm allen key.



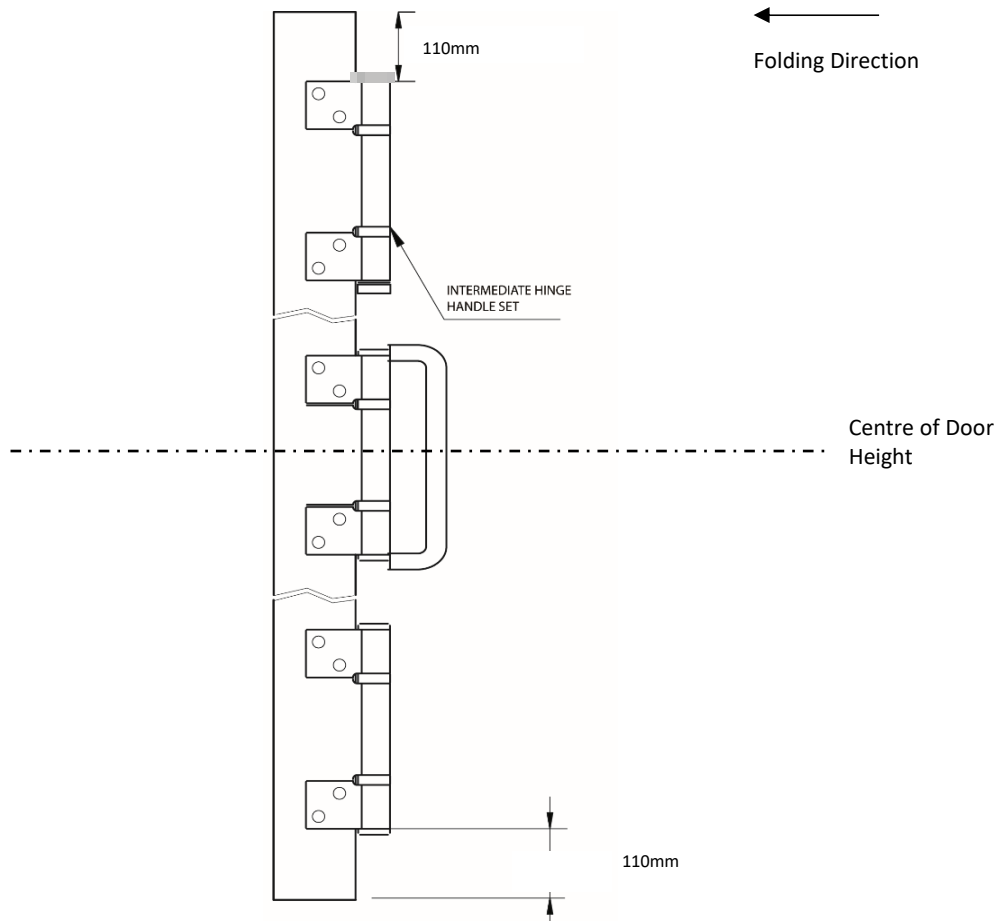
Please Note: Ensure there is a 2mm gap between the top of the hinge and the bottom of the strap bolt head.

2 DOOR KIT

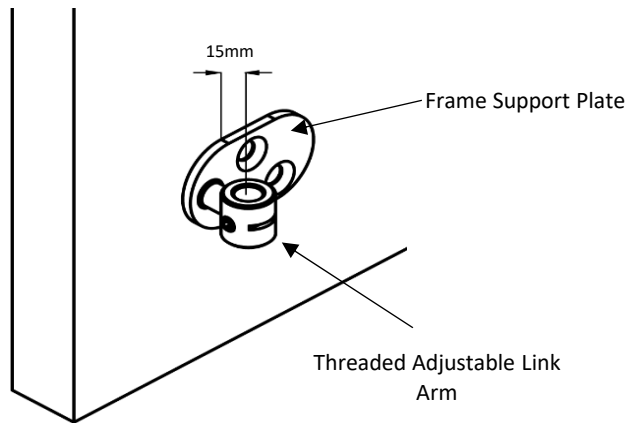
STEP 16: Fix the top pivot and bottom pivot hinges to the right side of door 1.



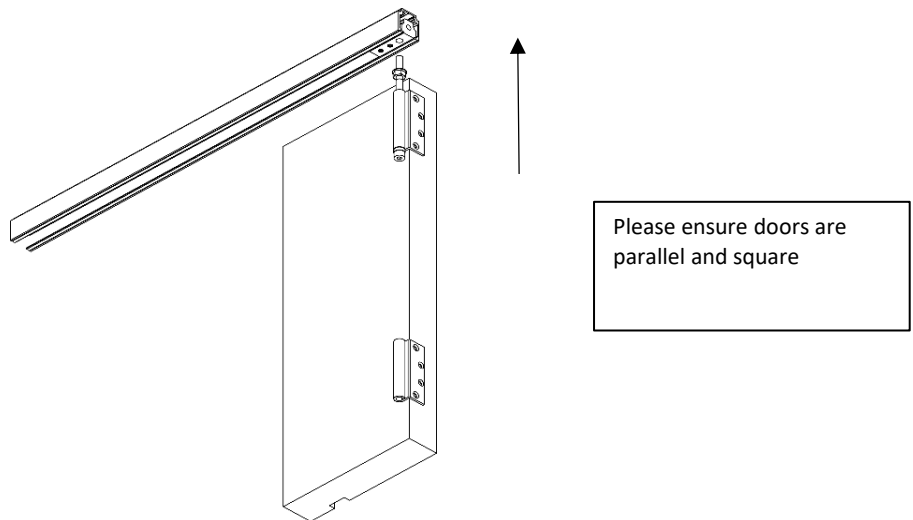
STEP 17: Fix the intermediate hinge handle set to the left side of door 1.



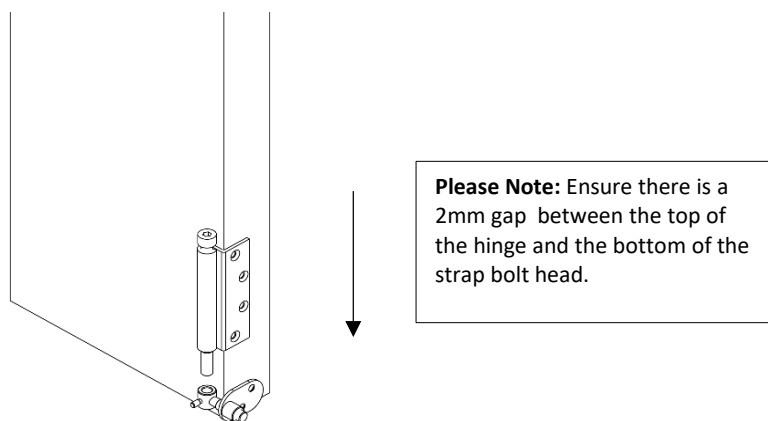
STEP 18: Screw the threaded adjustable link arm into the frame support plate. Slide the door up against the frame.



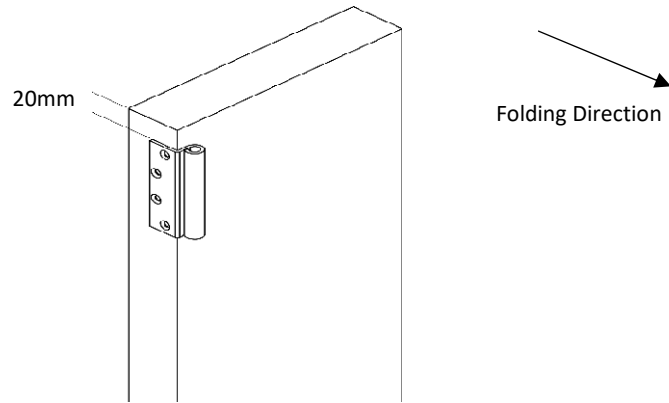
STEP 19: Raise the door 5mm from the floor. Unscrew the serrated nut from the strap bolt, slide the strap bolt through the hinge and reattach the serrated nut. Align the strap bolt with the pivot block and tighten with a 5mm allen key.



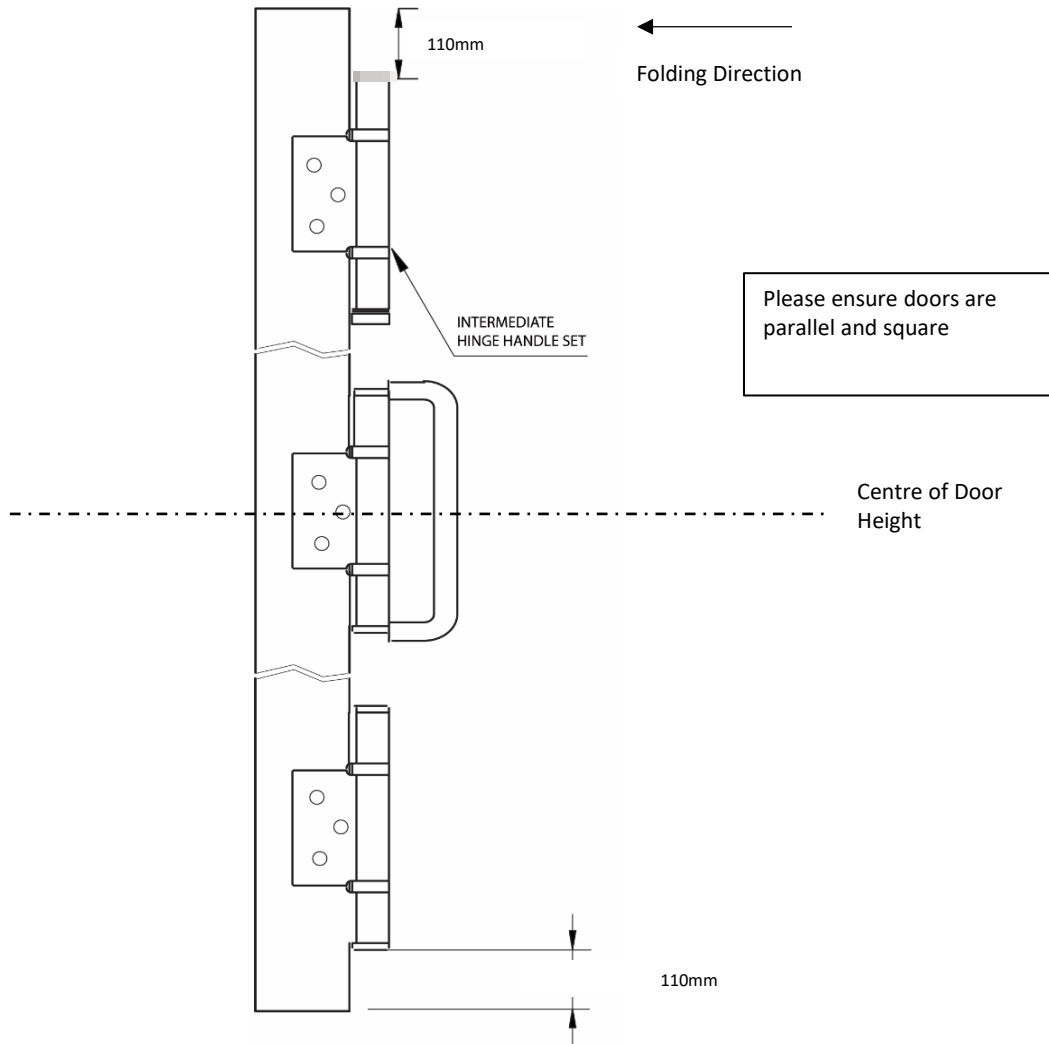
STEP 20: Slide the bottom strap bolt through the bottom hinge and into the threaded adjustable link arm. Tighten with a 5mm allen key.



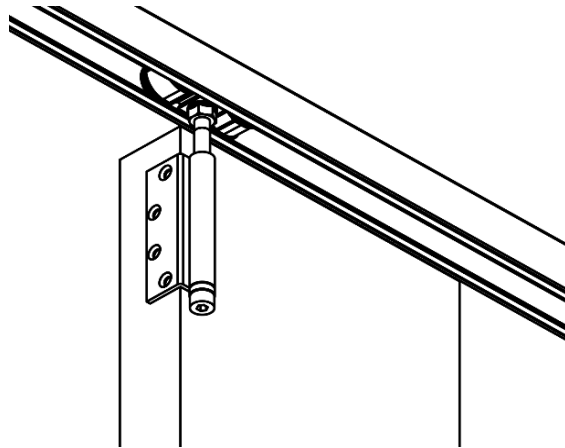
STEP 21: Fix the wrapped hanger hinge to the left side of door 2.



STEP 22: Raise door 2 5mm from the floor and connect doors 1 and 2 using the remaining hinge leaf on the intermediate hinge handle set

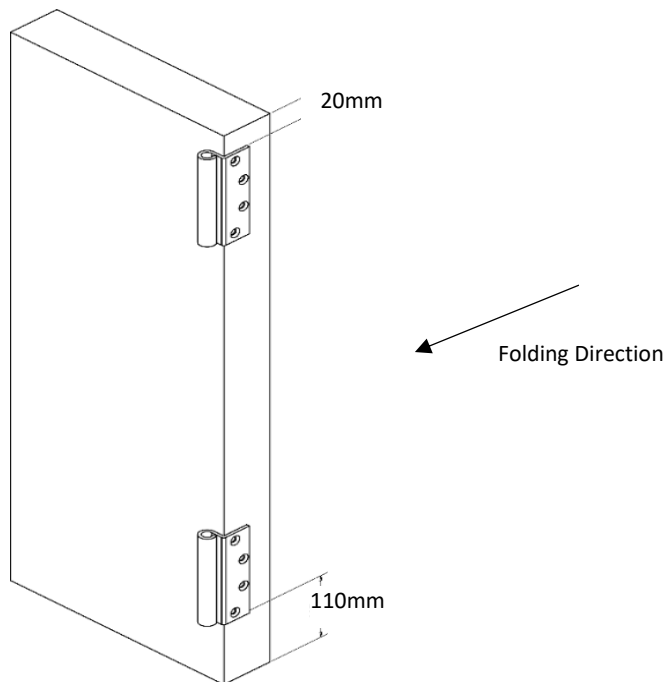


STEP 23: Connect the hanger body in the track to the wrapped hinge on door 2 using the strap bolt. Tighten with a 5mm allen key.

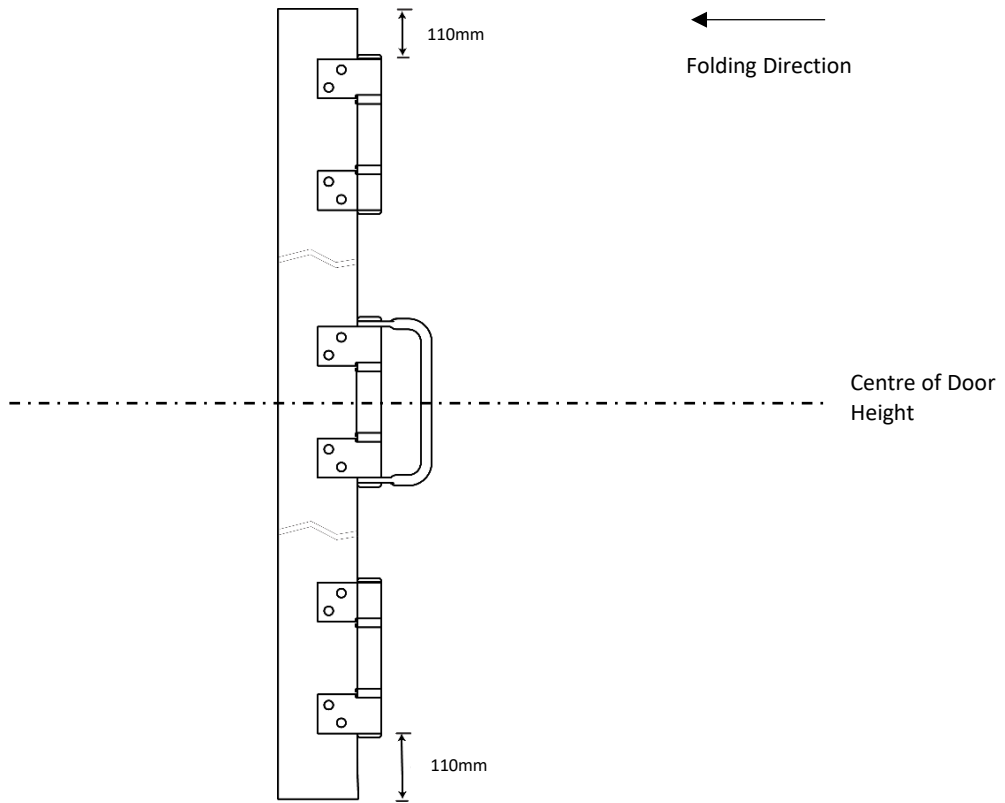


3 DOOR KIT

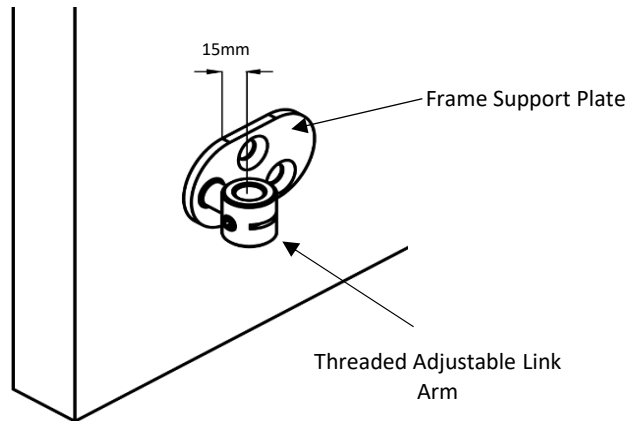
STEP 24: Fix the top pivot and bottom pivot hinges to the right side of door 1.



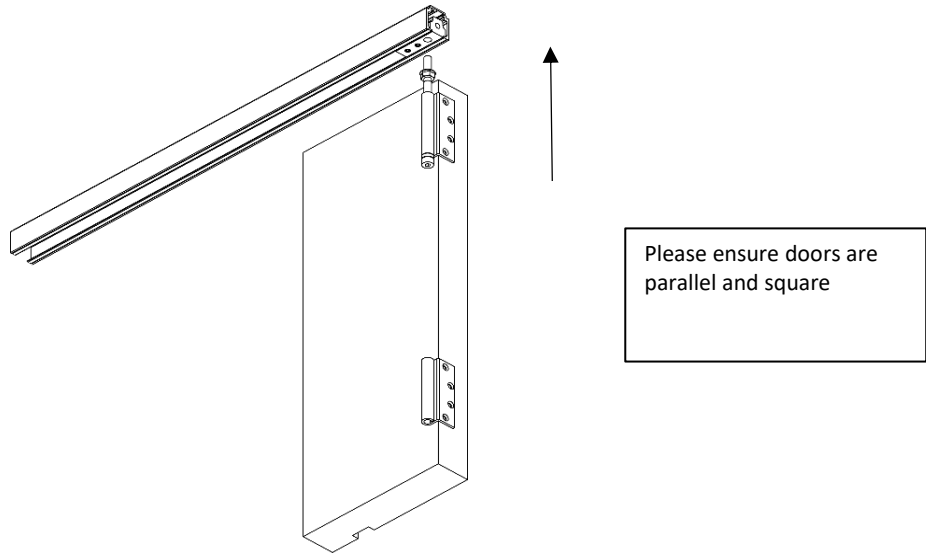
STEP 25: Fix the offset hinge handle set to the left side of door 1.



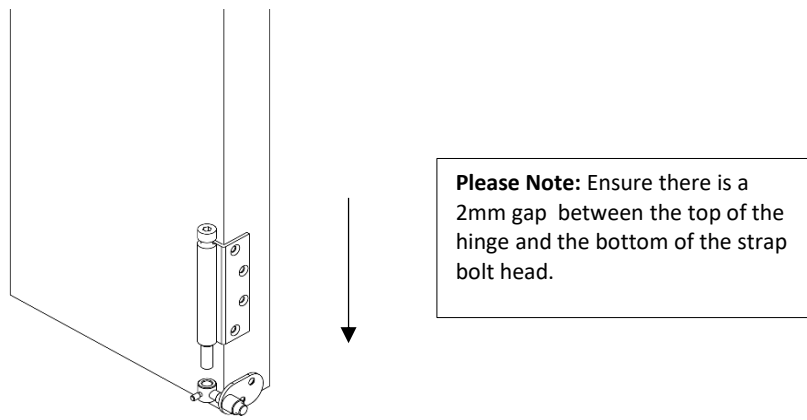
STEP 26: Screw the threaded adjustable link arm into the frame support plate. Slide the door up against the frame.



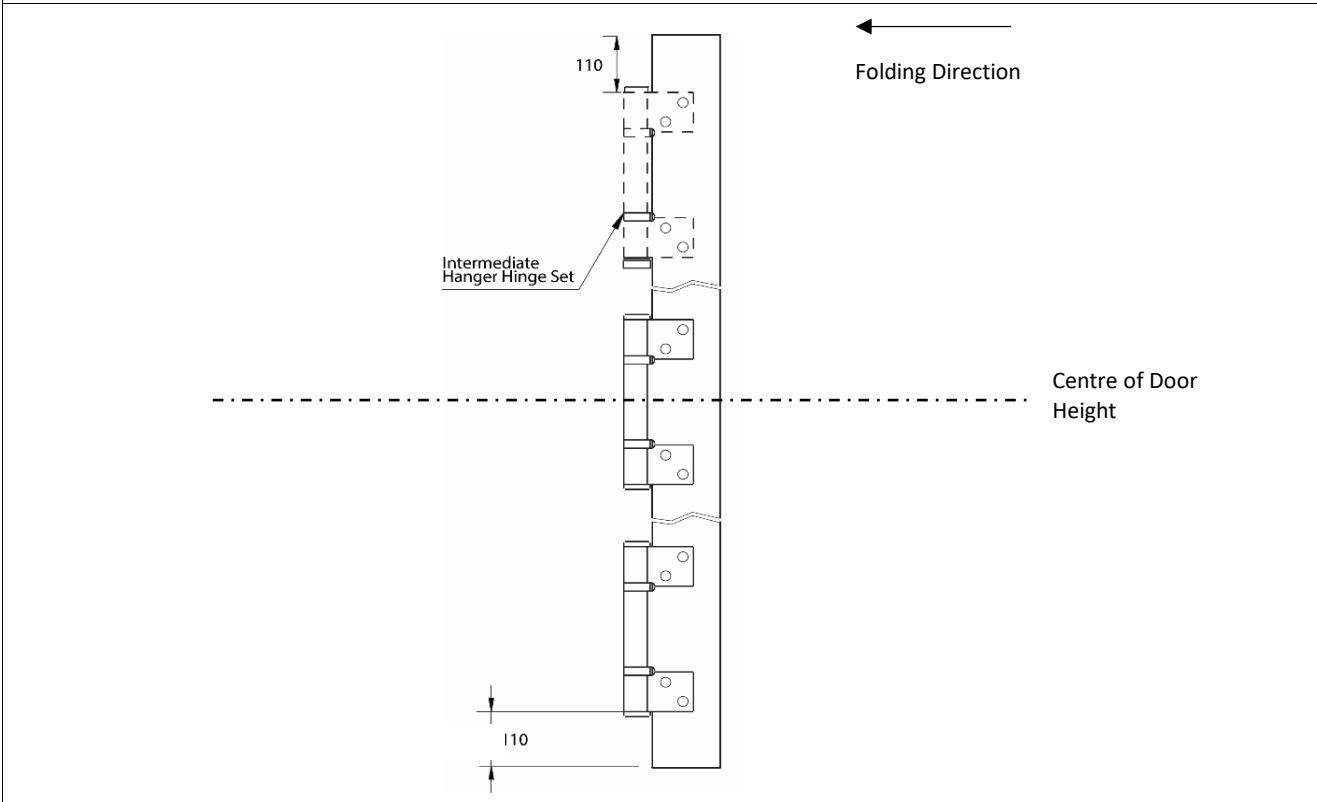
STEP 27: Raise the door 5mm from the floor. Unscrew the serrated nut from the strap bolt, slide the strap bolt through the hinge and reattach the serrated nut. Align the strap bolt with the pivot block and tighten with a 5mm allen key.



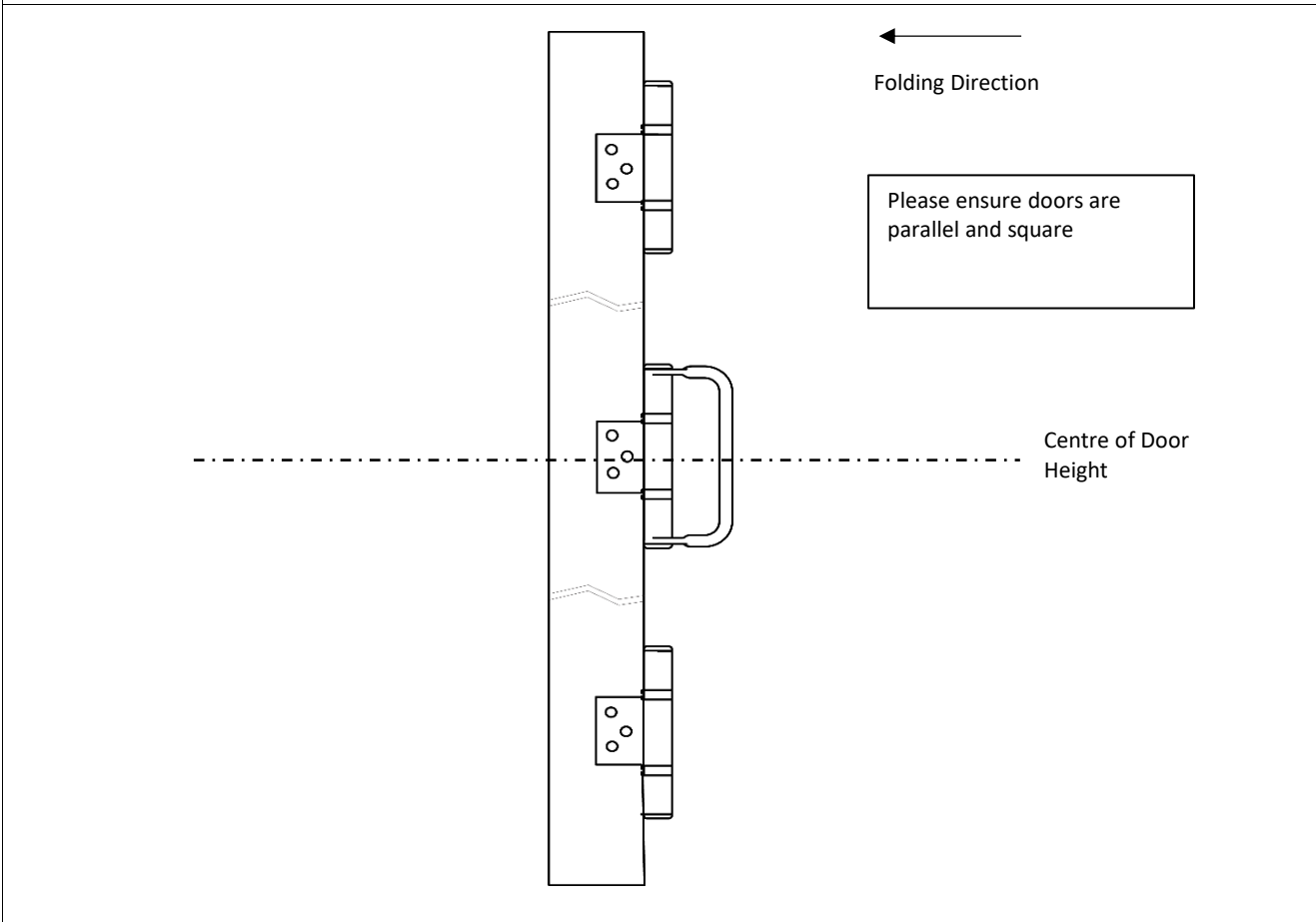
STEP 28: Use a 2mm packer between the frame and bottom pivot hinge. Slide the bottom strap bolt through the bottom hinge and into the threaded adjustable link arm. Tighten with a 5mm allen key.



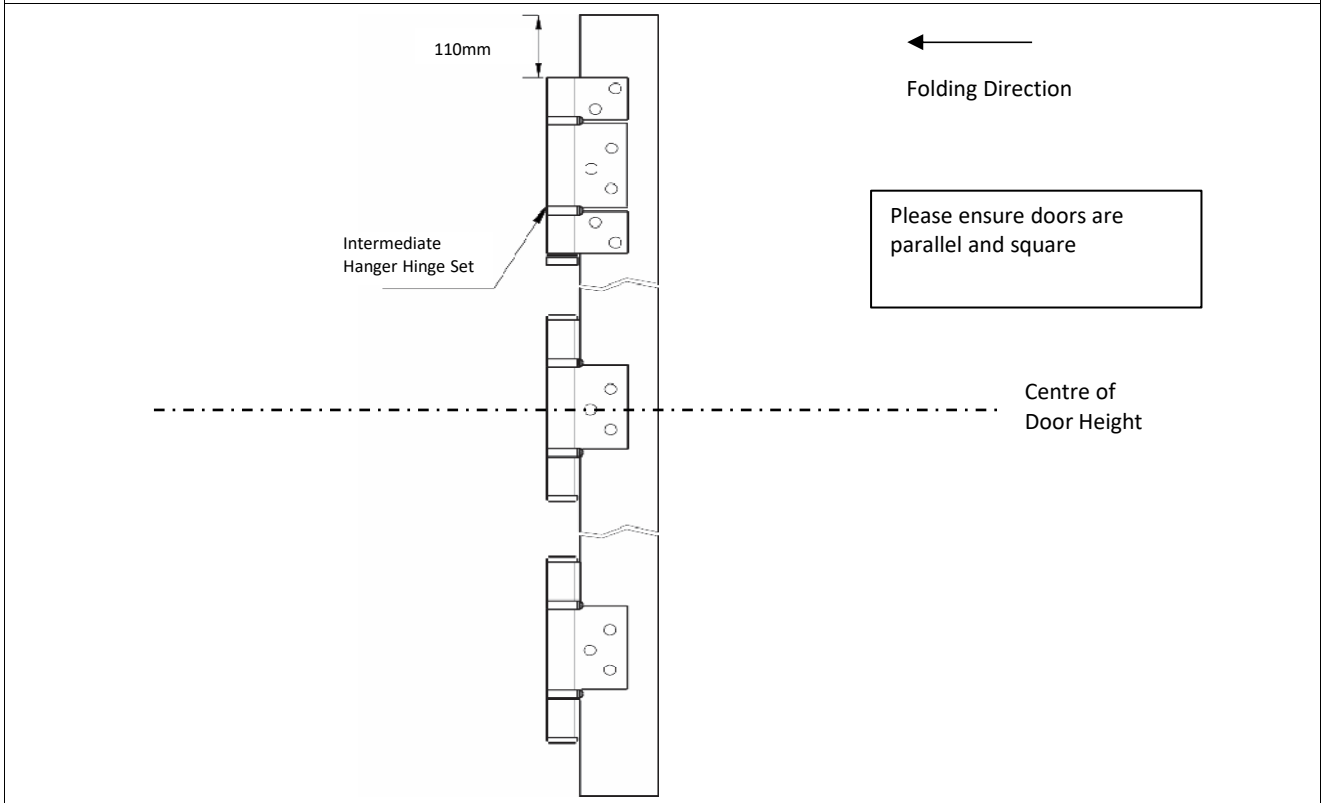
STEP 29: Fix intermediate hanger hinge set to the left side of door 2 - using the middle hinge as a template to pre drill holes for the hanger hinge.



STEP 30: Raise door 2 5mm from the floor. Connect door 1 and 2 using the remaining leaf of the offset hinge handle set.

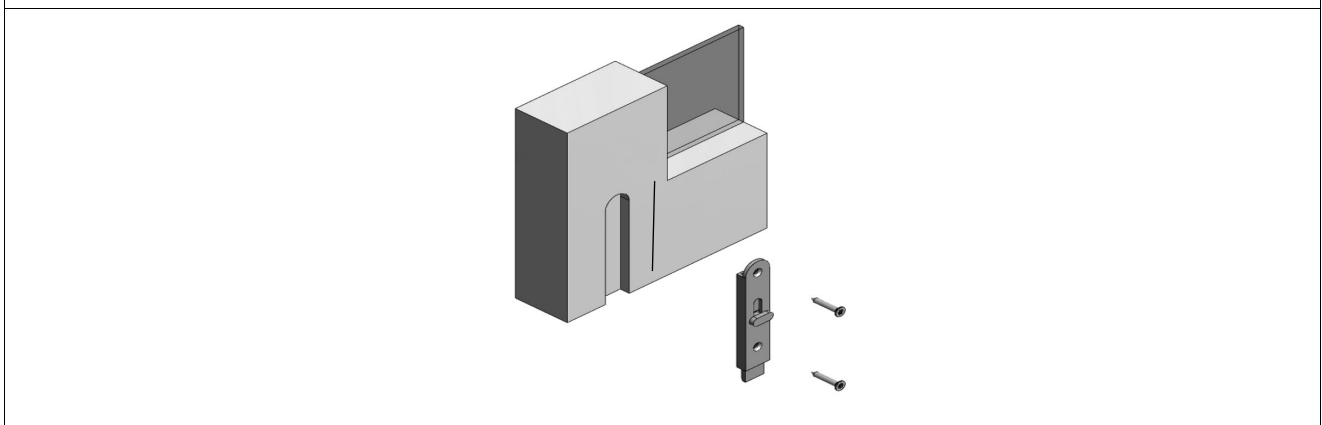


STEP 31: Raise door 3 5mm from the floor. Connect door 2 and 3 using the remaining hinge leaf and the intermediate hanger hinge.



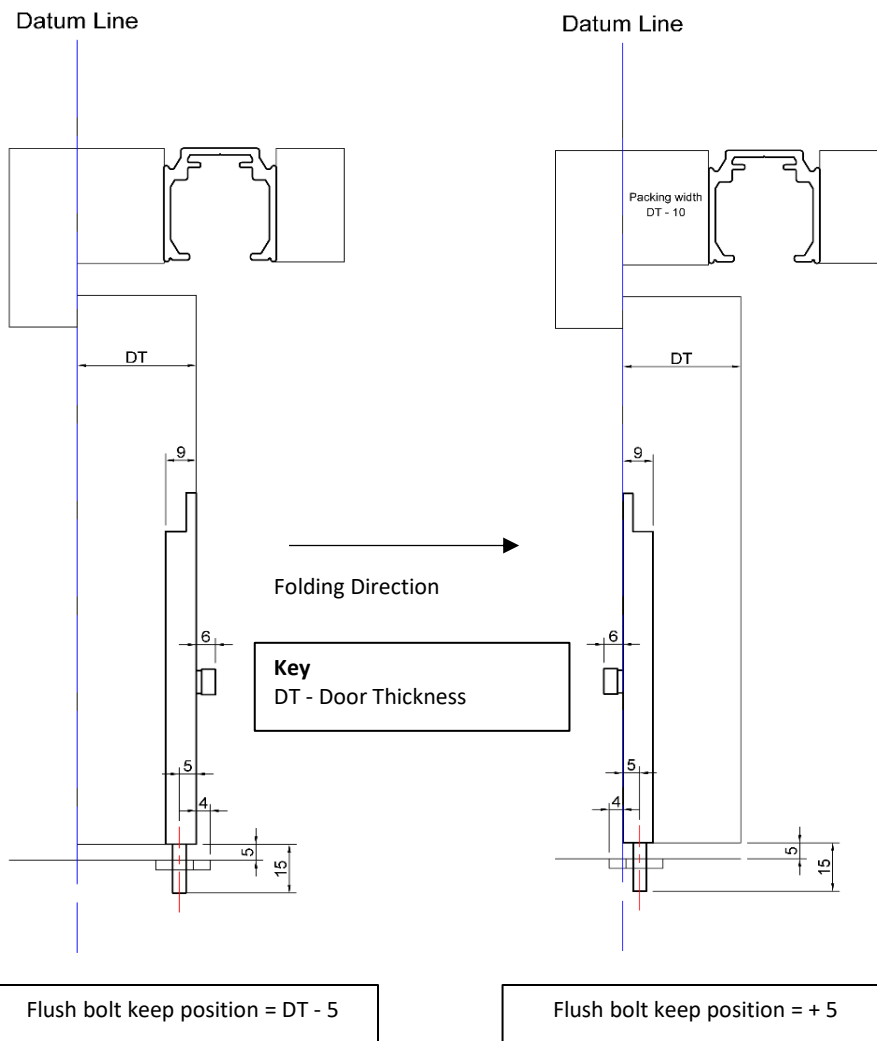
FITTING THE FLUSH BOLTS

STEP 32: Secure the flush bolts into place using the screws provided.



STEP 33: Close the doors and mark the position of the flush bolt pin on the floor. Open the doors fully and measure the position of the flush bolt keeps from the line drawn in step 9 using the below formular depending on which face of the door the flush bolts are installed.

Flush Bolt Keep Position



STEP 34: Route an area in the floor and fix the flush bolt keep and plate into place.

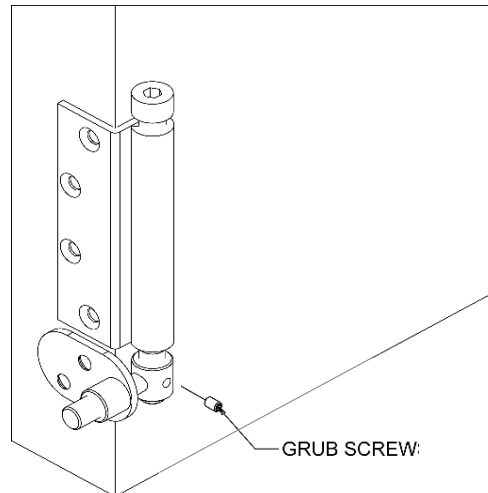


Height Adjustment (+/- 3mm)

Close all doors and adjust the door height to achieve an equal gap between the top of the door and the bottom of the track (a 9mm gap is recommended). Once the adjustment is complete, use a 13mm spanner to tighten the nut on the hanger and top pivot.

Lateral Adjustment

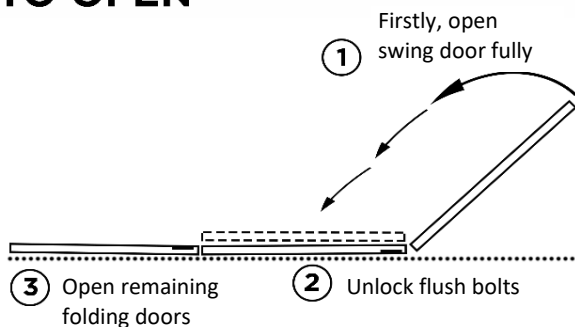
Adjust the bottom pivot hinge to ensure the clearance between the pivot door and frame is uniform. Once the pivot door is in the correct position, insert and tighten the locking pivot grub screw with the 2mm allen key.



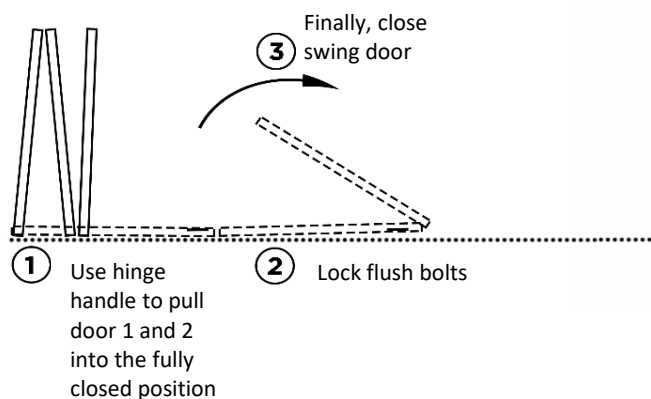
Care and Maintenance

To provide years of trouble free operation, it is recommended that the track is kept free from dirt and debris. Periodically replace the general purpose grease on all bolts. To prolong the appearance of the exposed hinge parts, it is recommended that they are periodically washed with soap and water. Maintenance is required on all components including stainless steel to validate manufacturers warranty.

TO OPEN



TO CLOSE



P C Henderson Ltd, Durham Road, Bowburn, Co. Durham, DH6 5NG, UK

UK Sales

Export Sales

t: +44 (0) 191 377 7345

t: +44 (0) 191 377 7346

e: sales@pchenderson.com e: international@pchenderson.com

w: www.pchenderson.com w: export.pchenderson.com

370739

Jun-22

LVL 02