Hillaldam
SLIDING DOOR SYSTEMS

Quality in motion® since 1958

Strap 100N

Installation Instructions

Barn door style fittings
for interior doors.

Since 1958

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COMPONENTS

SPECIFICATIONS

- Maximum Door Weight: 100kg
- Maximum Door Height: 2400mm
- Maximum Door Width: 1200mm
- Door Construction: Timber Frame Door
- Minimum Thickness: 30mm
- Maximum Thickness: 44mm

NOTE

- All fittings available in stainless steel by request
- Special door sizes by request

TOOLBOX REQUIREMENTS

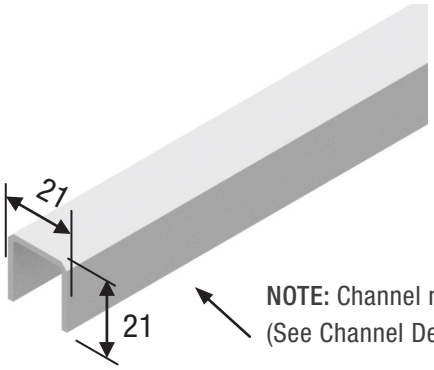
- M6 ALLEN KEY
- M8 ALLEN KEY
- M5 STAR SCREW DRIVER
- BUILDERS LEVEL
- IMPACT DRILL
- DRILL BITS FOR FIXING HOLES
- LADDER
- M8x90 HEX HEAD COACH SCREWS
- SIZE 10 WALL PLUGS
- SIZE 13 SPANNER

233950 STRAP FIXING BRACKET

- Fixed with 8x120mm Coach Screw (Included in DIY Set)
- Size 10 Wall Plugs (Included in DIY Set)

020119 ST100N HANGER

- Black or Galvanised



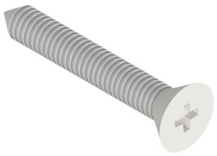
19A ALUMINIUM CHANNEL

- 900mm depending on set
- 1200mm depending on set

NOTE: Channel not Drilled
(See Channel Detail Page 3)

43 BAR TRACK

- 1800 depending on set
- 2400 depending on set
- Black or Galvanised

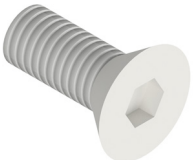


R50275 5x25 CSK SCREW POZI (10x25)

- For 46L Brackets
- Nylon Guide
- Hanger

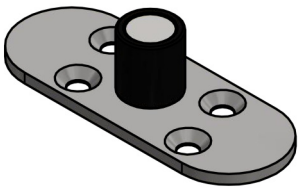
M8x120 HEX HEAD COACH SCREW

SIZE 10 WALL PLUGS



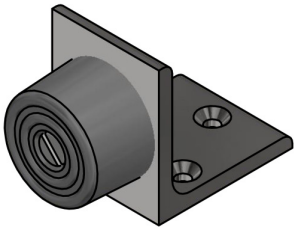
R86862 M8x20 CSK CAP SCREW - SS

- Anti-Jump Pin



188970 40x19N GUIDE NYLON

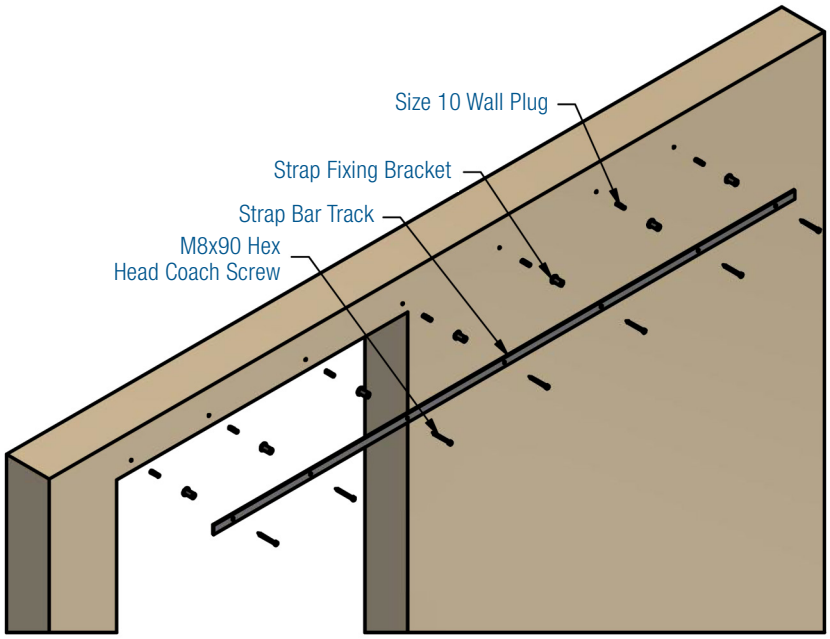
- Plugs not included



225210 46L DOOR STOP

- Powder Coated Black

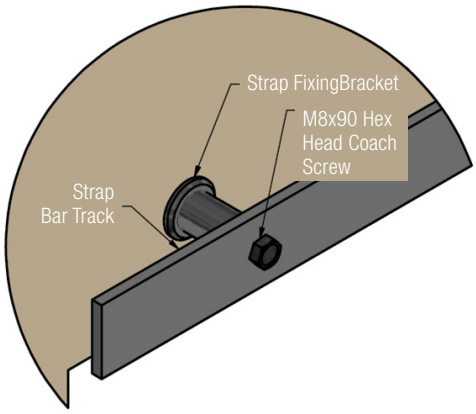
INSTALLATION INSTRUCTIONS

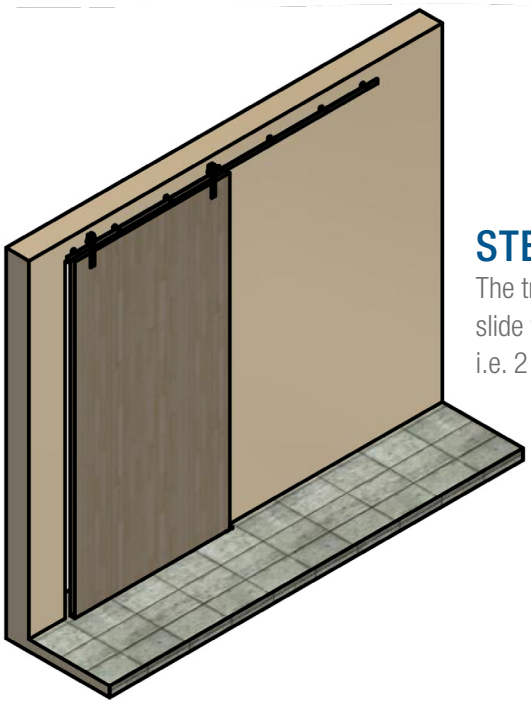


STEP 1

Prepare opening and support for side fixing track brackets according to the hole drilling detail on the track.

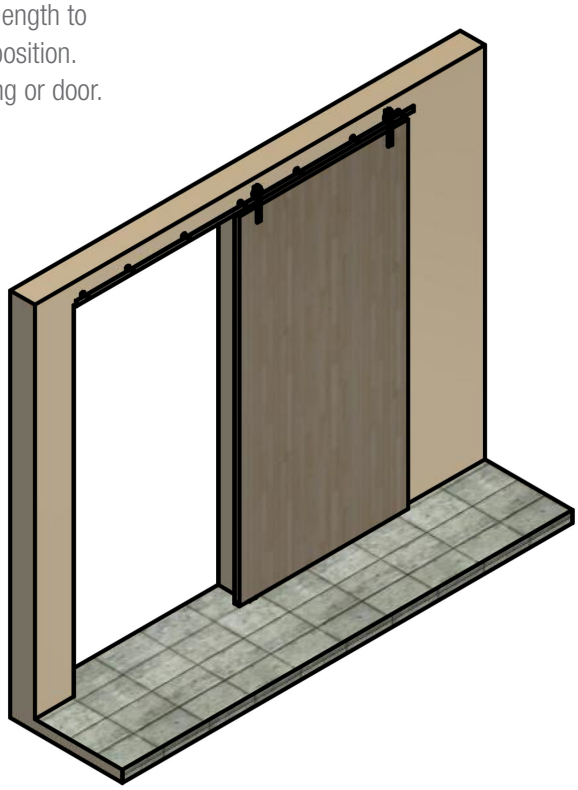
- Track comes pre-drilled for spacing.
- For bracket height calculation, see Page 6.





STEP 2

The track should be sufficient length to slide the door from its closed position.
i.e. 2 times the width of opening or door.

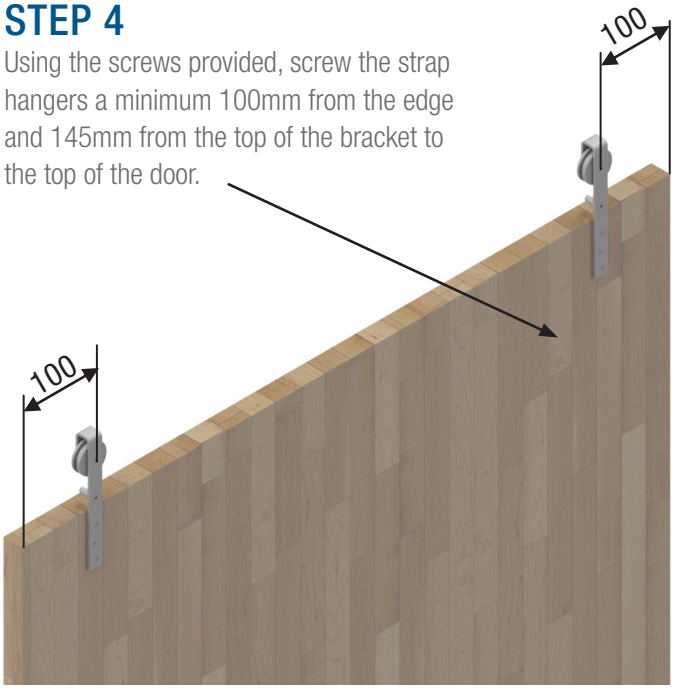


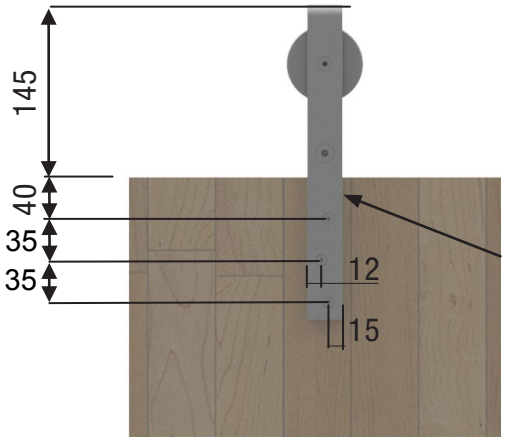
STEP 3

Position the track along the opening and mark off the position of the fixing brackets. Make sure that the track is high enough for the door to overlap the top of the opening.

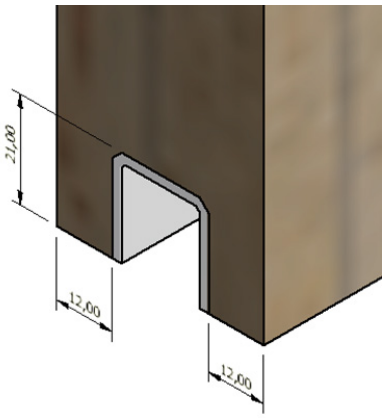
STEP 4

Using the screws provided, screw the strap hangers a minimum 100mm from the edge and 145mm from the top of the bracket to the top of the door.





Drill holes in the door to attach the hangers.

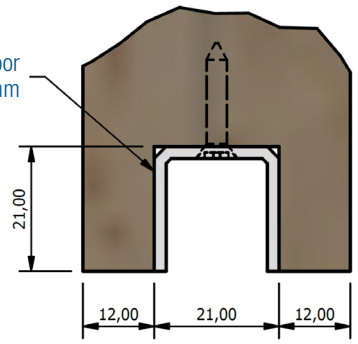


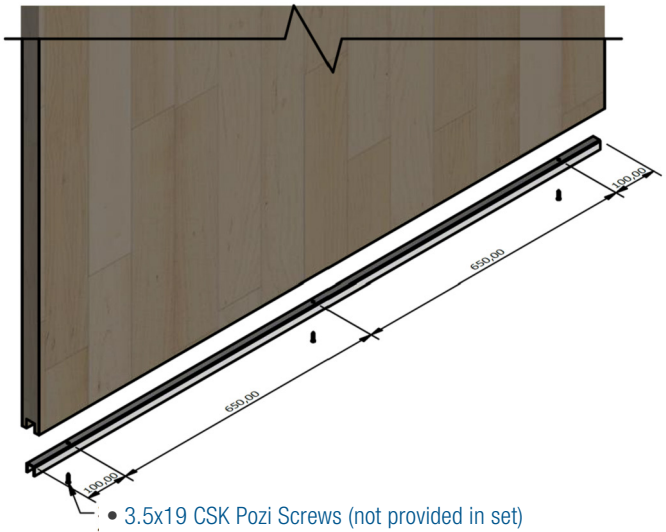
STEP 5

Install the aluminium U-channel in the centre of the underside of the door. The channel should be the length of the door panel - See below for details.

FIXING OPTION 1

19A Channel - Routed into Door
Router Dimensions = 21 x 21mm

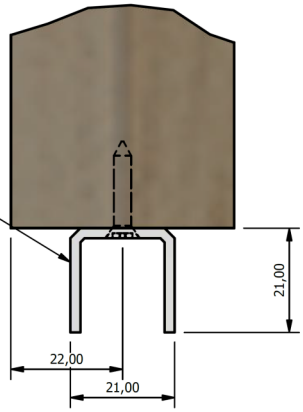




- 3.5x19 CSK Pozi Screws (not provided in set)
- 4mm holes to be drilled into the 19A Channel
- 19A Channel to be drilled 100mm from the end
- Equally spaced on the length of the Channel not exceeding 700 centre to centre

FIXING OPTION 2

19A Channel -
Face Fix Option



STEP 6

Remove the anti-jump pins (Located underneath the main wheel) and hang the doors. Re-install the anti-jump pins. See Figure 1 and 2.

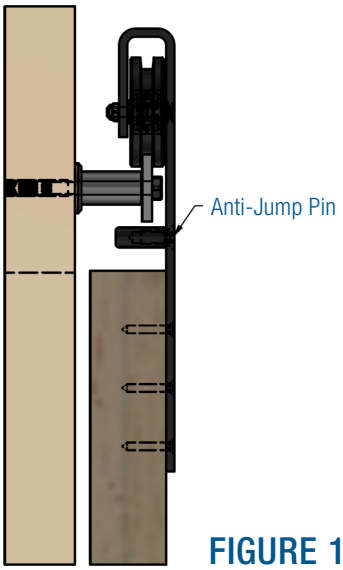


FIGURE 1

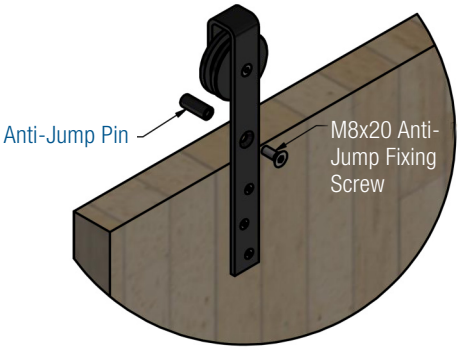
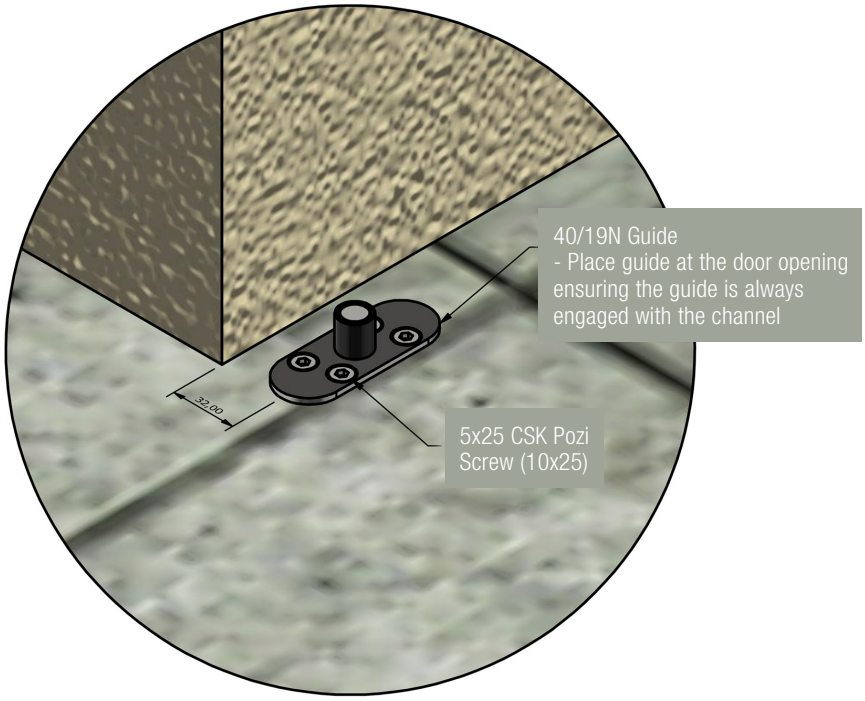
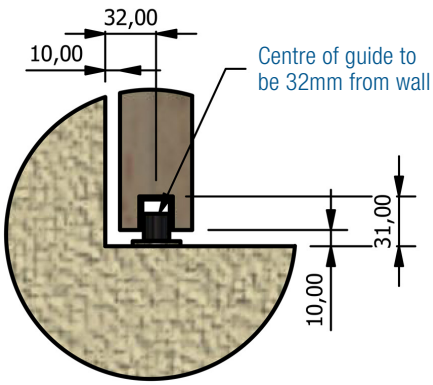


FIGURE 2

STEP 7: GUIDE INSTALLATION

- Place guide at start of the opening ensuring the guide will always be engaged within the channel when the door is in both the open and closed positions.
- 10mm gap at the bottom of the door.
- 10mm gap from wall to door.
- Guide to be 32mm from wall to centre of guide in this case of a 44mm door. (Dependent on door size - (10 + (door size ÷ 2) = centre of guide).
- Guide is fixed with 10x25 Pozi screws with plugs.





STEP 8: STOPPER INSTALLATION

- Place door in open position. (Fig. 1)
- Place the rubber part of the stop against the door and make top of bracket flush with the top of the door. (Fig. 2)
- Fix stop into place with fixing screws and wall plugs. (Fig. 2)
- Place door in closed position, repeat the above steps and fix stop in place. (Fig. 3)

FIGURE 1

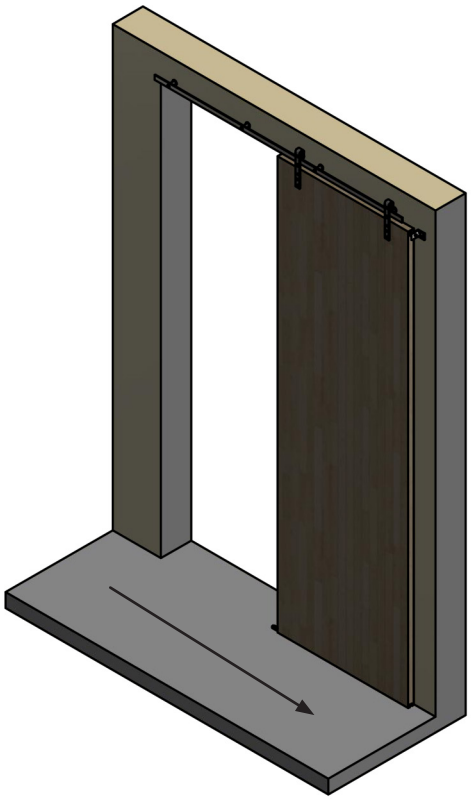


FIGURE 2

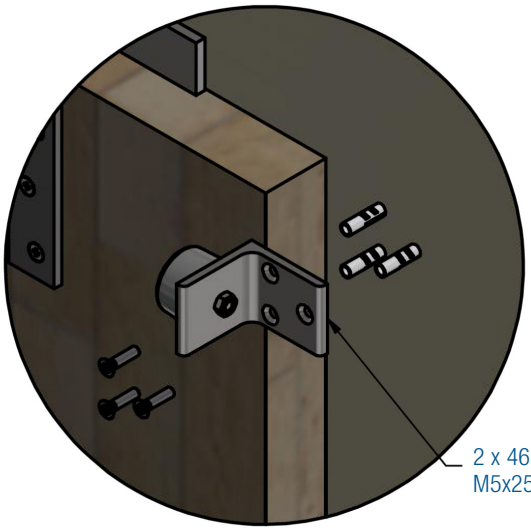
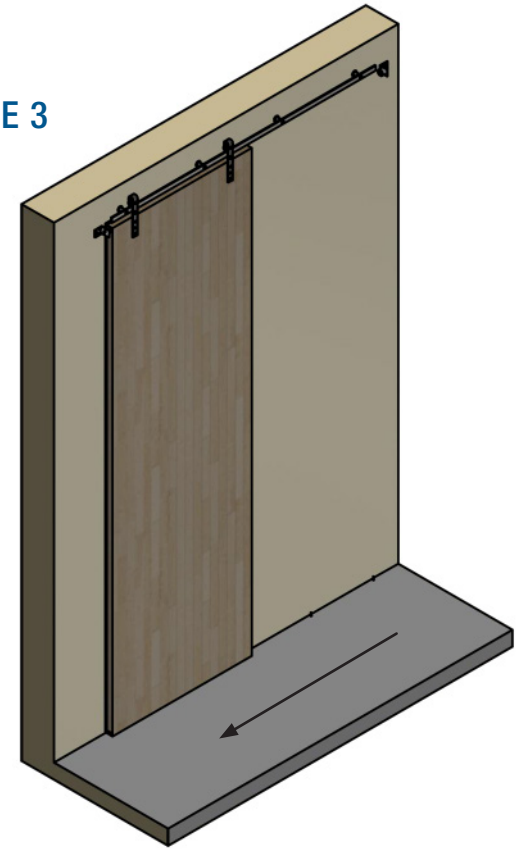
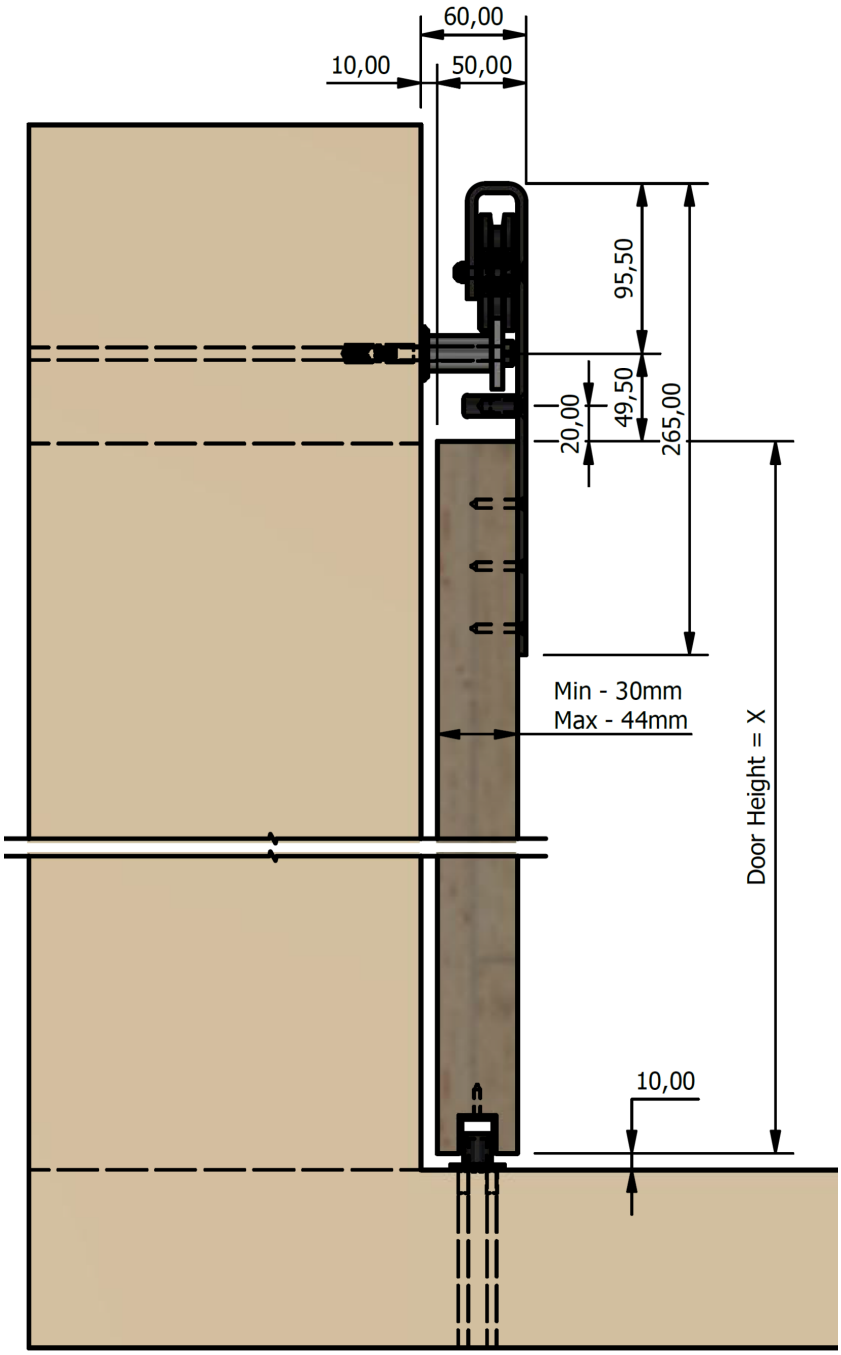


FIGURE 3



BRACKET POSITIONS AND DOOR SIZE CALCULATIONS



BRACKET POSITIONS FOR FIXING OPTION 1

- Door height (X) + bottom clearance (10mm) + top of door to centre of bracket (49,50mm).
- X + 10 + 49,50 = centre of bracket from the ground
- E.g. 3000 + 10 + 49,50.
- Therefore the centre of the bracket must sit at 3059,5mm from the ground.

BRACKET POSITIONS FOR FIXING OPTION 2

- Door Height (X) + bottom clearance (10mm) + 19A Channel (21mm) + top of door to centre of bracket (49,50mm).
- E.g. 3000 + 10 + 21 + 49,50.
- Therefore the centre of the bracket must sit at 3080,5mm from the ground.

Since 1958

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