



## Doorset Installation Guidance - Loose pin doorstop

### Tools required

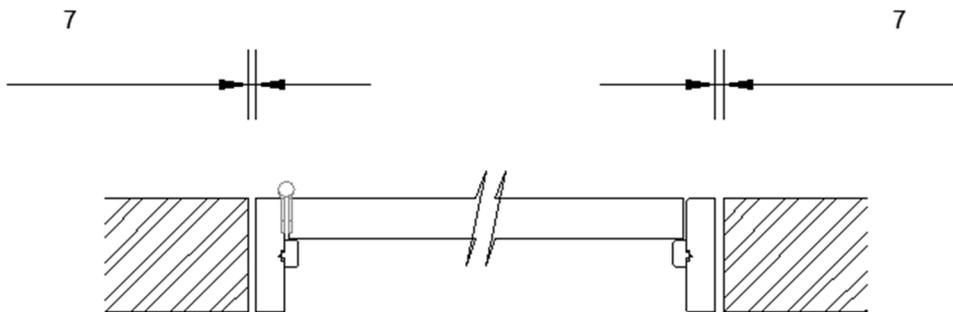
Screwdriver, 6ft Spirit Level & 2ft Spirit Level (For Head), Tape Measure, Square, Drill, Countersink, Screws, Packers & PVA Adhesive.

### Before you start

Make sure that you have the correct doorset for the relevant opening on site and that the doorset it is free from any damages.

Check the overall doorset dimensions and that it will fit into intended opening, Stairways advise that the structural opening should be 7mm larger than the doorset on each side and top. (Diagram1)

### Diagram 1



Check that the structural opening is plumb and level.

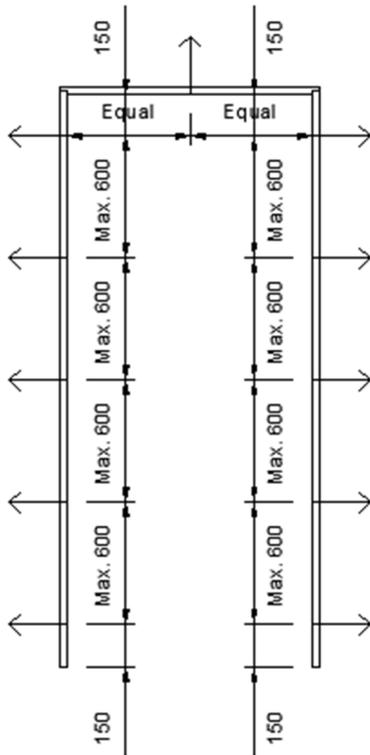
Find out what floor finishing is going to be fitted in the opening where doorset is going and cut legs to suit a maximum of 10mm above floor covering (to suit fire certification).

Remove 2 temporary braces and offer the doorset into the opening standing on the opposite side to the hinge knuckle, fix the hinge side frame first checking that the hinge jamb is plumb and straight, some packing may be required between frame and wall to prevent any frame bend. Packers must be fixed through at fixing points.

You must position a fixing no greater than 150mm from the top and bottom of the frame a further 3 fixings are required per jamb no greater than 600mm spacing between them.



Then use the door to level the head and the keep jamb packing out where needed to hold the frame in place, no central fixing is required to the head checking that the hinge jamb/frame head is level and square. No fixings required to the latch/lock side jamb positioned as the hinge jamb fixings check that the latch lock jamb is plumb and straight. Check frame is not in twist otherwise this will stop the door sitting against the doorstep correctly.

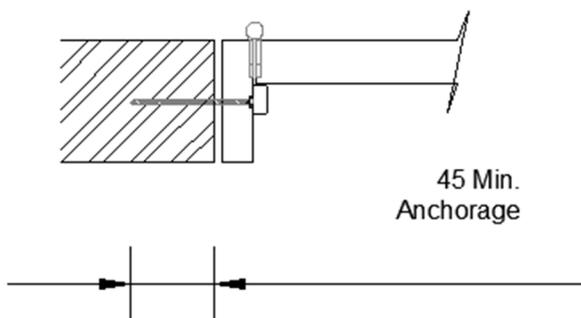


**Diagram 2**

Fixings are to be within the central portion of the frame width to avoid frame or wall breakage, use the doorstep groove.

Fixings should achieve a minimum anchorage of 45mm into a solid wall material. Recommended screw 8x3 or 10x3 (3 inches long) (Diagram 2)

**Diagram 3**



Check that the door is flush to frame and the perimeter gaps are 3mm all around jambs and head adjust packing's and fixings as required.

Check all frame legs are straight and not bowing into or away from door.

Check door frame isn't in twist if it is remove fixings and move frame to suit then re fix.

Check door latches with the keep, if not seek assistance.



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Check the door undercut dimension this should be no greater than 10mm above floor finishes.

Once doorset is fitted and fitter is happy with the fitting, For fire doors fill gap around frame and structural opening with fire protection intumescent mastic or fire stop product if in doubt refer to fire certification. None fire applications should just be filled with a mastic product or a small amount of expanding foam making sure it doesn't distort the frame when expanded, would recommend you pack all around the frame and door with 3mm packers to stop foam pushing frame against door while drying.

Fix loose doorstop after all adjustments have been made, please check with door schedules as additional perimeter seals may be required and allowance for these must be made in the doorstop positioning. Doorstops should be glued and pinned/ screwed into position. (Diagram 3)