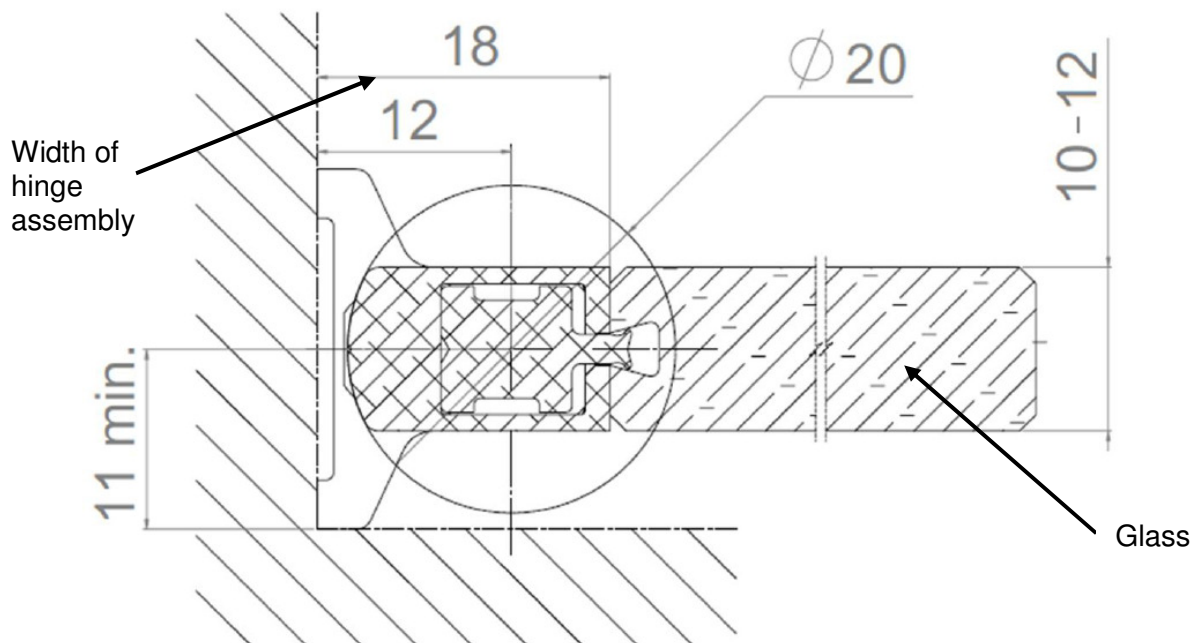


CLIP-IN Door Measuring and Installation Guide

Measuring Guide

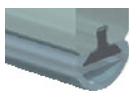
When calculating the glass dimensions for the door, allow for the standard clearances at the top and bottom i.e. **3mm minimum** at the top, and **7mm minimum** at the bottom. (Be sure to make allowances for floor coverings etc).

Allow **18mm for the hinge assembly**, as the diagram below shows.



For the opposite edge, the required allowance will depend on your chosen method of holding the closed door in place.

- If there is to be a handle with a locator/lock that you have chosen to use (not supplied by GLASSOLUTIONS), allow clearances as specified by the handle manufacturer.
- If there is to be a simple door-stop arrangement at the top of the door, to prevent the door opening outwards, allow **3mm minimum** on the free edge.
- If you choose to have the optional CLIP-IN DOOR closing seal (supplied by GLASSOLUTIONS) pictured below, allow a **6mm clearance**.

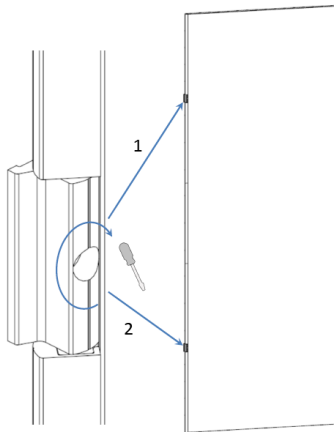


- Where a double door is being specified (e.g. with a door-stop arrangement at the top of the door) allow a **5mm minimum** gap between the two doors.

Installation Guide

Fixing the CLIP-IN Hinge to the Door Support

CLIP-IN doors are supplied with the CLIP-IN hinge factory fitted. This gives total assurance that the CLIP-IN hinge is correctly located within the patented CLIP-IN groove.

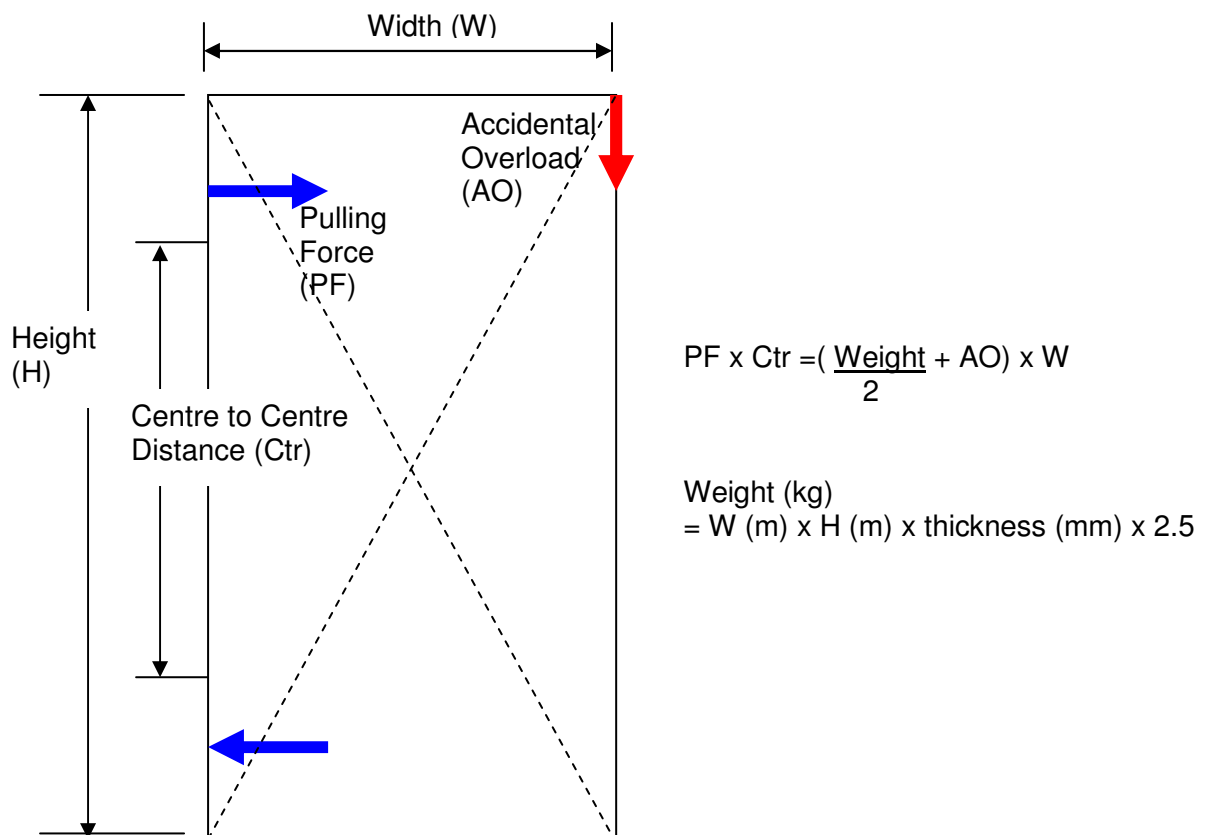


To secure the CLIP-IN hinge to the door support, turn the wall fixing points to the side to locate the screw point. These screw points are designed to take 5mm diameter screws (not supplied).

These screws need to be secured into anchors that will safely support the weight of the glass door.

To Calculate the Weight the Anchors Must Hold (this is the critical point) please use the ['Fixing Calculator' spreadsheet](#) that is available for download on the CLIP-IN DOOR product page on our website. Just type in the glass dimensions and it does the rest for you, quickly and simply...

<http://www.glassolutions.co.uk/products/clip-in-door>



To Calculate the Weight the Anchors Must Hold – Cont ...

For example with a door of:

- 2m high x 0.75m wide x 10mm thick
- with a fixing centre to centre distance of 1.5m
- and the accidental overload maximum allowance of 100kg*
- then the calculation is as follows:

$$PF \times Ctr = \frac{(\text{Weight} + AO)}{2} \times W$$

$$PF \times 1.55m = (37.5/2 + 100) \times 0.75$$

Which becomes:

$$PF \times 1.55m = 89.06$$

So:

$$PF = 89.06 / 1.55$$

$$PF = 57.46$$

Which means the pulling force = 57.46kg i.e. the fixings need to be able handle a pulling force of 57.46kg

It is VERY important to use the correct type of fixing to resist the calculated pulling force. This is the critical point.

Fixing specialists such as Fischer and Hilti (amongst others) offer solutions for fixing in to various types of supports (wall, frame etc) with screws of 5mm diameter that can bear pulling forces up to 300kg.

* BS EN 1192: 2000 Doors Classification of Strength Requirements	Classe 1	sF = 40 kg
	Classe 2	sF = 60 kg
	Classe 3	sF = 80 kg
	Classe 4	sF = 100 kg