

Hinge Positioning & Quantity

Guide for Full Morticed/Recesses Hinges - Positioning & Quantity

McCallum's recommends that doors be fitted with a minimum of 3 hinges per leaf.

- The top hinge is to be approximately 150mm down from the top of the door. The bottom hinge is to be approximately 250mm from bottom of the door. **See example A.**
- The third hinge is centred between the top and bottom hinges. If more than three hinges required, hinge spacings are to be equal between all hinges. **See example B.**
- The hinge is to be recessed into the door edge and frame to a depth equal to the thickness of the hinge leaf.
- Mark and pre-drill all fixing screw holes before installing the hinges.

For a door size 800-900mm wide then

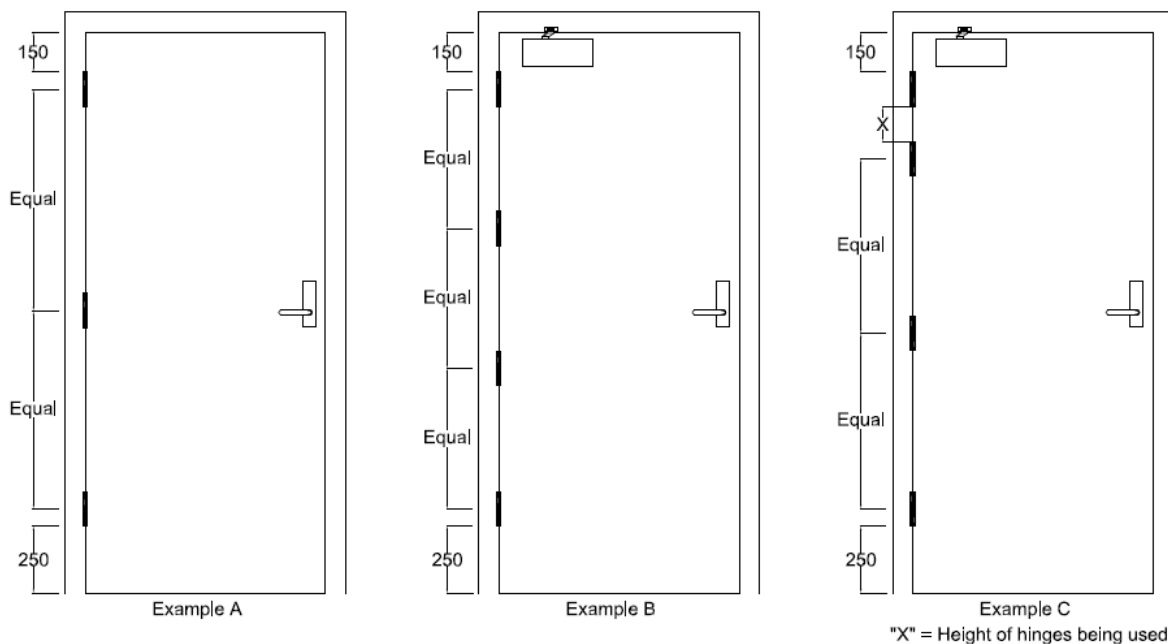
- Door height 2100-2300mm we recommend minimum 3 hinges.
- Door height 2300-2699mm we recommend minimum 4 hinges.
- Door height 2700-2900mm we recommend minimum 5 hinges.

For Fire Door Applications:

- Refer to Fire Door and frame Manufacturer/supplier for hinge positioning.

Where Door Closers are installed & or high frequency of openings:

- Suggest adding an additional hinge.
- The top hinge should be as close (high) as possible aligning with the Door Closer.
- The spacing between the top two hinges should be the equal to the height of the hinge. **See example C.**



Please calculate the adjusted door weight and consider the use and environment of the door to decide on the number of hinges.