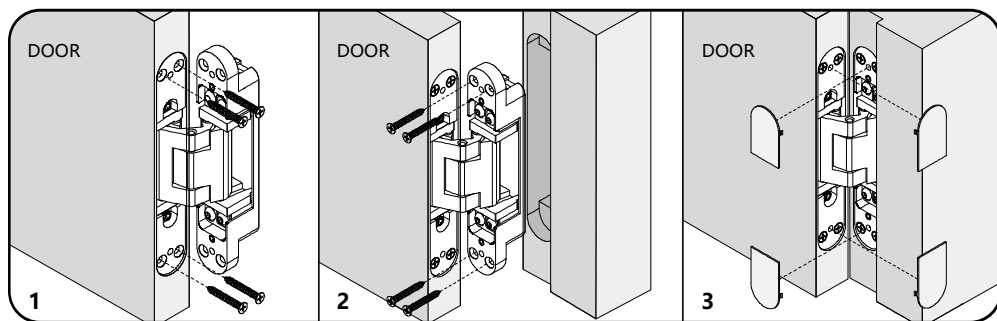


RIC-CCH310 : 3D ADJUSTABLE CONCEALED HINGE INSTRUCTION MANUAL (FOR TIMBER DOOR)

For unrebated interior doors

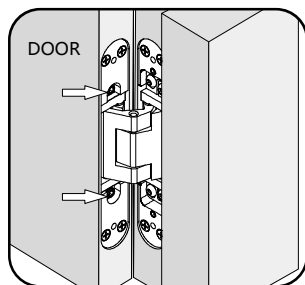
Min Door Thickness :38mm

Hinge Installation



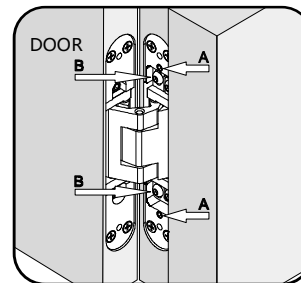
1. Install hinge leaf stamped DOOR on door leaf
2. Install hinge on the door frame
3. Mount cover caps on both leaves after final adjustment

Hinge Adjustment: Use Allen keys provided

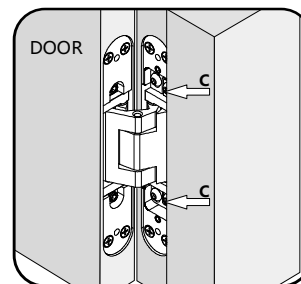


- Adjust horizontal adjustment screws
Turn Clockwise /Anticlockwise (max.±2.5mm)

Horizontal Adjustment



Height Adjustment

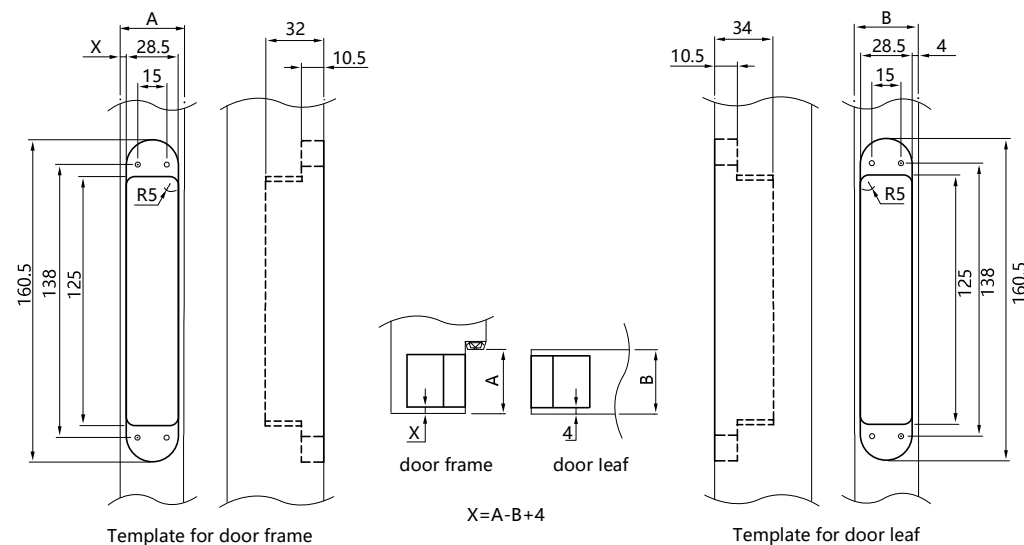


Alignment Adjustment

- Slightly loosen the grab screws (A)+(B) (max.±2.5mm)
Retighten screws (A)+(B) to secure at required height

- Slightly loosen the screw (C)
Adjust alignment by turning screws(C) (max.±1.0mm)

Door & Frame Prep / Morticing



3D ADJUSTABLE CONCEALED HINGE INSTRUCTION MANUAL (FOR TIMBER DOOR)

For unrebated interior doors

Min Door thickness :38mm

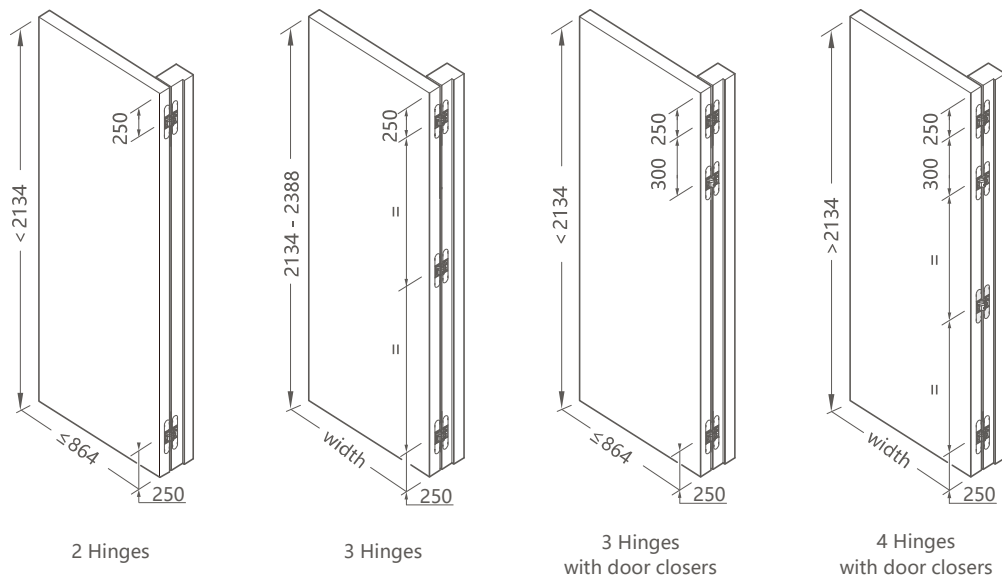
⚠ Concealed Hinge Installation

To ensure accuracy, it is important to use CNC equipment or other precise and reliable tools when preparing the door and frame. Manual methods are not recommended, as they may compromise the fit and overall performance of the hinges.

Hinge Selection Considerations

- Door size
- Door weight
- Hinge positioning and installation
- Door closer
- Frequency of use

Hinge Installation: Position and Quantity Guidelines



⚠ Using Door Closers with Concealed Hinges

When a door closer is used, the total load capacity of the hinges is reduced by at least 30%. Therefore, a minimum of three hinges must be installed in all cases where a door closer is present.

The use of door closers with hold-open or back-check functions is not recommended. If their use is necessary, install at least three concealed hinges and increase the calculated door weight by 70% to account for the added stress.

A door stopper should be installed to reduce excessive force on the hinges, and be positioned at approximately 80% of the door width from the hinge edge.