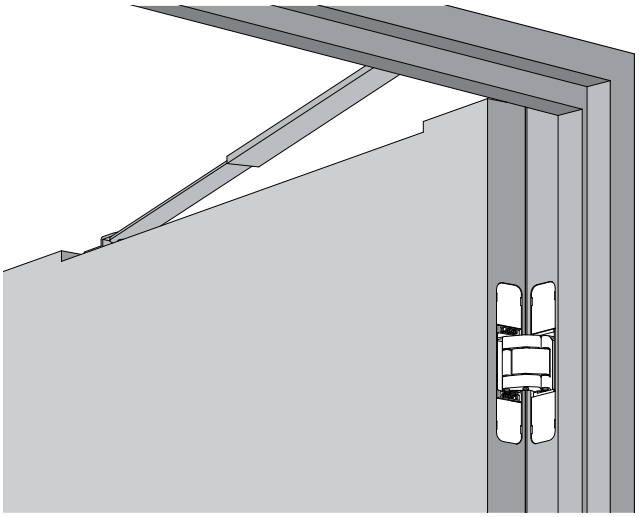
LAMP®

HES Hinge + Esprit

INSTALLATION MANUAL

FOR HES3D-120-A100 CONCEALED HINGE



Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

- This product is a concealed hinge for indoor use to be recessed in the cut out on door and doorjamb.
- 3 way adjustment function allows vertical, horizontal, and depth adjustment.

DOOR SPECIFICATION

Min. Door thickness	29 mm
Max. Door weight	30kg per 2 hinges, 40kg per 3 hinges
Max. Door size	Width: 900 mm, Height: 2400 mm

COMPONENT PARTS (PER BOX)

・Concealed hinge	2 pcs
・Screw cover	4 pcs x 2 bags
・Template	1 pc
・Countersunk head tapping screw 5x20	4 pcs x 2 bags
・Hex Key 3 mm	1 pc

FOR YOUR SAFE WORK AND CORRECT INSTALLATION

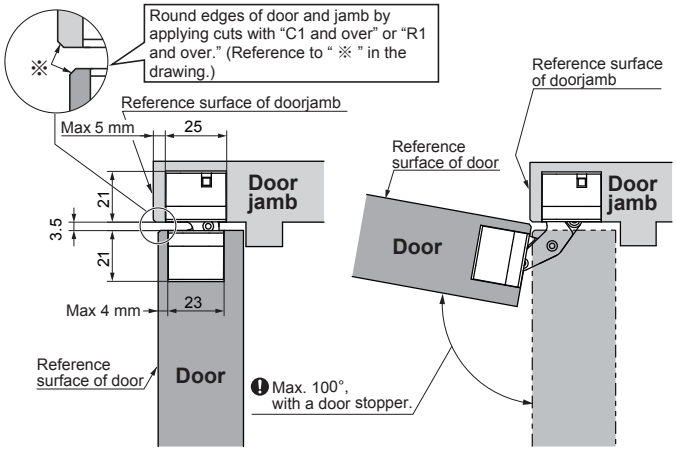
Meaning of symbols

⚠ **Warning Caution**	⃠ **Prohibited**	❗ **Required**

⚠ Caution: If these cautions are not followed, it may result in injury or damage.

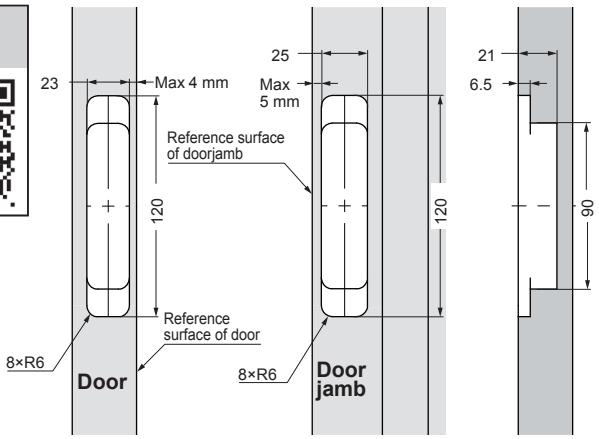
- ❗ It is necessary to manufacture the jamb with sufficient strength so that it endures the weight of the door and any impact upon opening/closing the door. Only use designated screws and ensure that they are fastened firmly. A jamb with poor strength or loose screws might result in the door falling and causing injury.
- ⃠ Do not try to use this product for anything other than its original purpose. Do not use any part for applications outside of its specification.
- ⃠ Use in conjunction with a door closer is not recommended. For soft-close option, we recommend Sugatsune LDD-V or LDD-S door damper.
- ❗ Make sure to follow the designated dimensions, specifications, and horizontal/vertical angles. Make sure that the jamb is not warped, since it may affect the movement of the door.
- ❗ This product is a part for architectural fittings. After installation, make sure to test the finished product thoroughly to ensure that it is well-functioning and safe. Please inform the end user about general precautions and safety to prevent improper use.
- ❗ Make sure to check the screws for slack at regular intervals (one month from first usage, half a year, and then one time every year is recommended).
- ❗ Be sure to use a door stopper which restrict the opening angle within 100°. If not, the hinge may be broken and the door may fall.

INSTALLATION DRAWING (EXAMPLE)



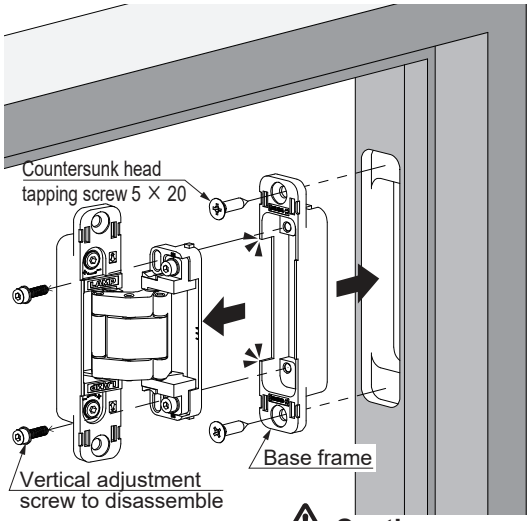
CUT OUT DRAWING FOR DOOR AND DOORJAMB

VIDEO LINK



INSTALLATION PROCEDURE

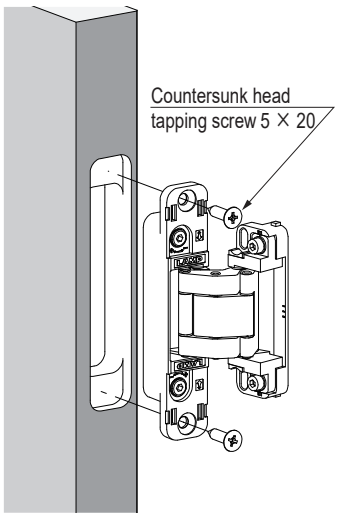
1 Installing Base frame to Cabinet



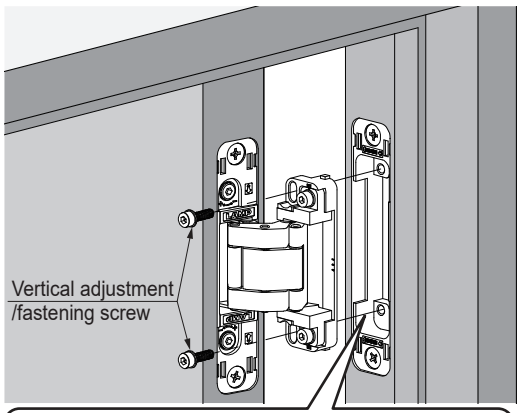
Caution

Before installing base frame into doorjamb, check that it is oriented correctly. If the orientation is incorrect, the door cannot be installed.

2 Installing Hinge to Door



3 Hanging Door



【1】Insert each hinge body (door side) deep into the base frame.

【2】Hang the hinge body on the base frame.(Provisional holding state)

Caution

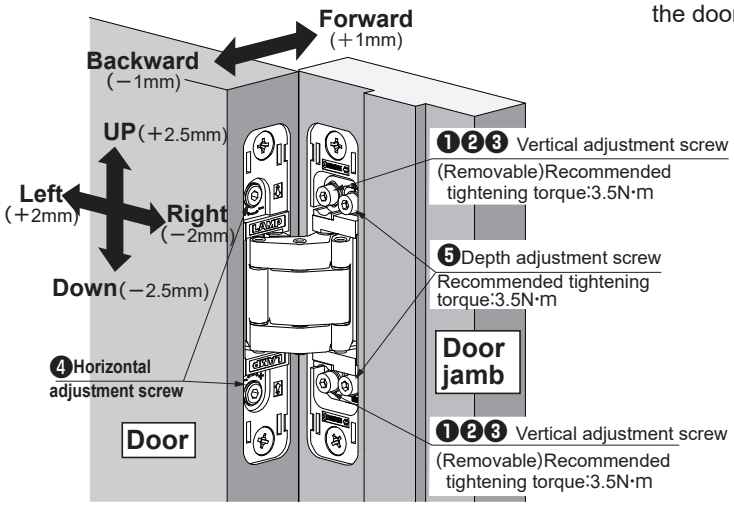
Do not move the door at this stage as it may fall off.

【3】While supporting the door, quickly tighten and secure the up and down adjustment screws to the position shown on the left.

VIDEO LINK

ADJUSTING DOOR POSITION

※Adjustment direction indicates the direction with the door closed.



❶−❺ is the order of adjustment. Please put a supporting spacer under the door when adjusting it. There are two adjustment screws on one hinge.

Vertical adjustment

❶Loosen the adjusting screw one turn.
❷Lifted the door to the correct height.
❸Finally, secure the adjusting screw.

Horizontal adjustment

❹Rotate the adjustment screw to the correct position.

Depth adjustment

❺Loosen the adjusting screw one turn and secure it in the optimum position.

Caution

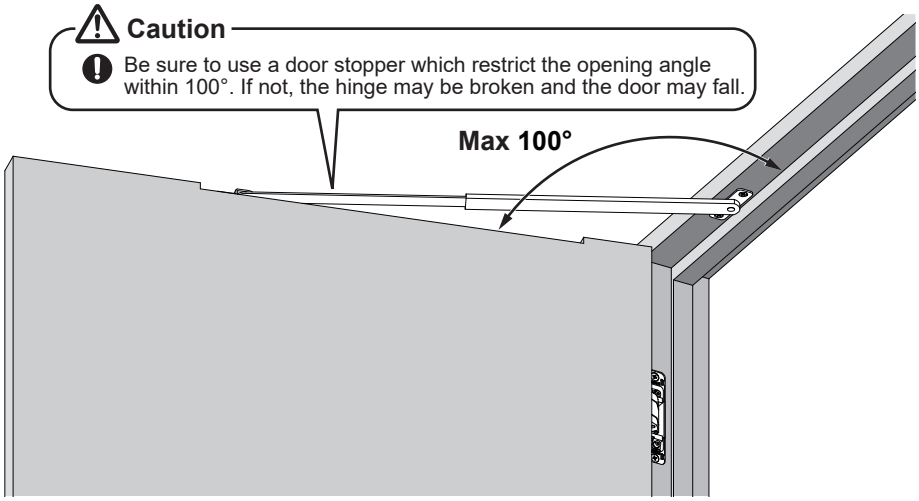
Do not remove the depth adjustment screw. The door may fall and cause injury.

When adjusting the horizontal position, turn the two screws a little, by the same amount. The hinge may be broken if you keep turning one screw only.
If you turn the adjustment screw to the right beyond the adjustment range, the parts will protrude, and the cover won't fit, and if you turn it further, the door will come off.

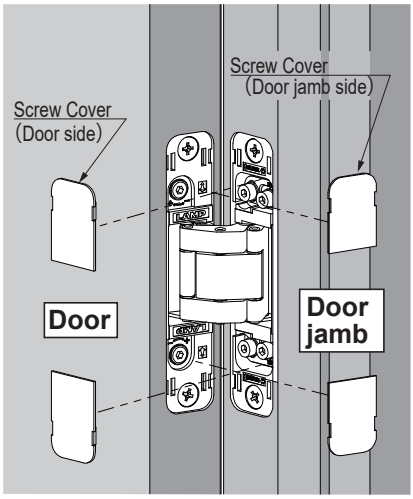
INSTALLING DOOR STOPPER

Caution

Be sure to use a door stopper which restrict the opening angle within 100°. If not, the hinge may be broken and the door may fall.



Attaching the Screw Cover



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