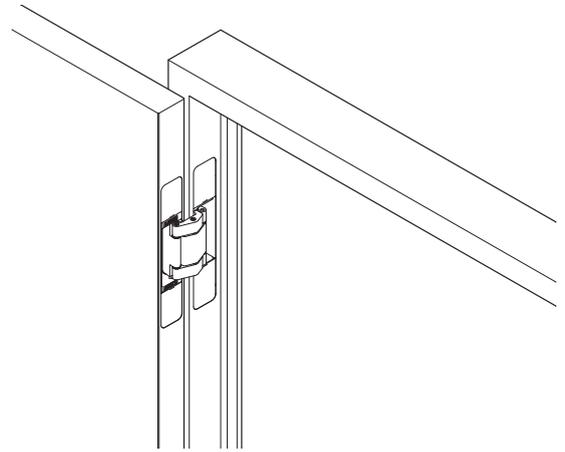


LAMP[®] HES INSTALLATION MANUAL FOR HES3D-E160 CONCEALED HINGE



Thank you for using our product. Before 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, that is recessed into the door and doorframe.
- Three dimensional adjustment function allows vertical, horizontal, and depth adjustment.

DOOR SPECIFICATION

Min. Door thickness	36 mm
Max. Door weight	55 kg per 2 hinges, 70 kg per 3 hinges
Max. Door size	Width: 900 mm, Height: 2400 mm

COMPONENT PARTS (PER BOX)

• Concealed hinge	2 pcs
• Screw cover	4 pcs × 2 bags
• Template	1 pc
• Countersunk head tapping screw 5 × 25	8 pcs × 2 bags
• Hex Key 4mm	1 pc

FOR YOUR SAFETY AND CORRECT INSTALLATION

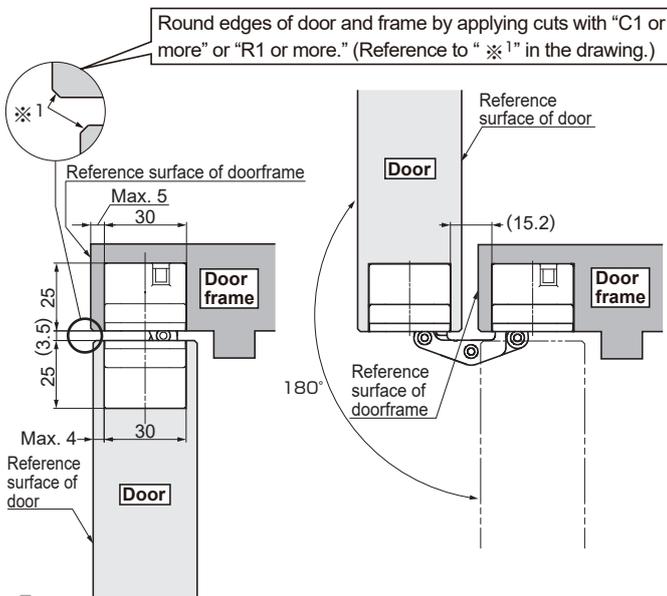
Meaning of symbols

Warning Caution	Prohibited	Required
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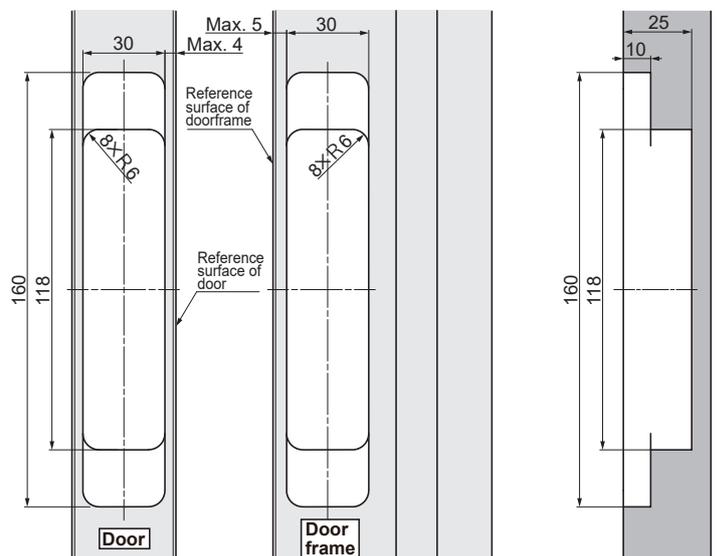
Caution: If not followed, injury or damage may result.

- ❗ Provide a frame that can withstand the weight and impact of opening and closing the door. Be sure to use the specified screws and tighten them securely. If the mounting strength is insufficient, the door may fall and cause injury.
- ⊘ Do not use this product for any other purpose, or with doors that are outside the specifications of this manual.
- ⊘ Use in conjunction with a door closer is not recommended. For soft-close option, we recommend Sugatsune LDD-V or LDD-S door damper.
- ❗ Follow the specified dimensions, specifications, and alignment of the door and frame. Warping, tilting or twisting of the frame or door may cause failure.
- ❗ This product is a part for architectural fittings. After installation, please check the function and safety of the final product. Please inform the end user how to use the product safely.
- ❗ 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).

INSTALLATION DRAWING (EXAMPLE)

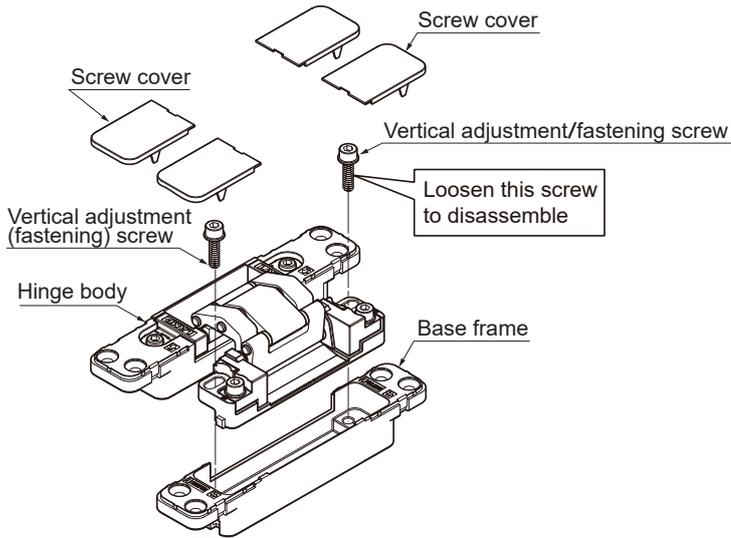


CUT OUT DRAWING FOR DOOR AND DOORJAMB

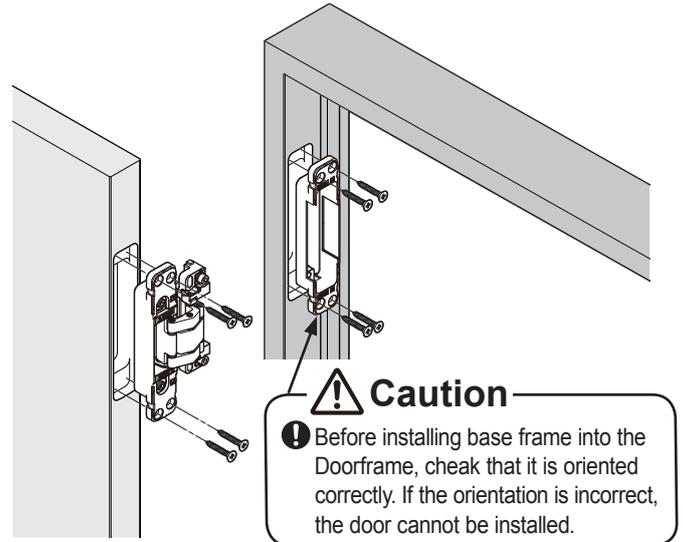


INSTALLATION PROCEDURE

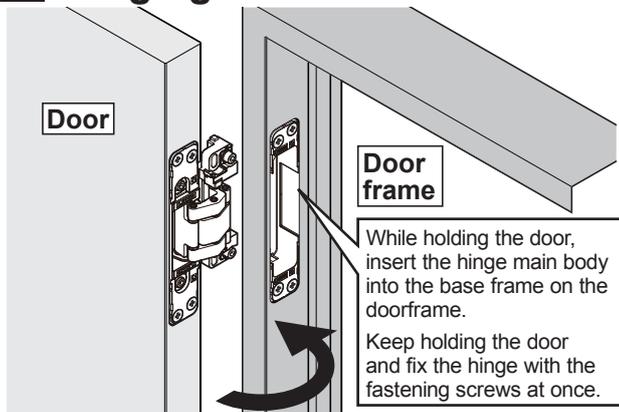
1 Disassembly of Hinge



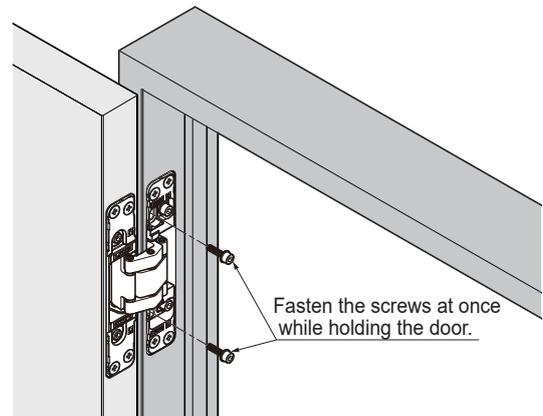
2 Installing Hinge to Door and Doorframe



3 Hanging Door

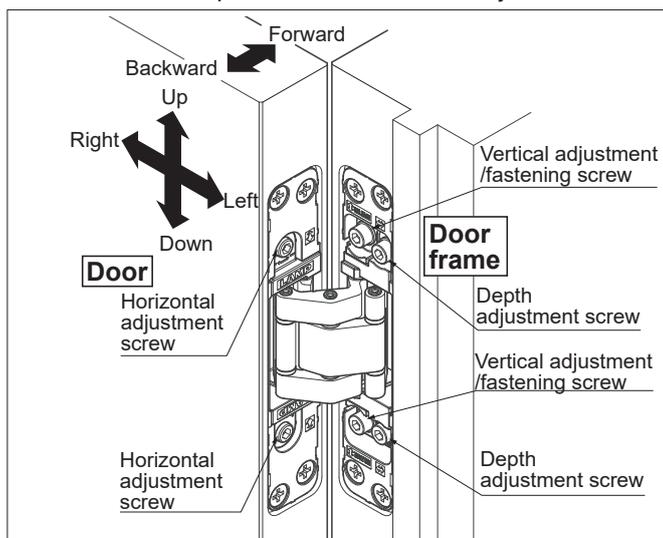


4 Fastening the Hinges



ADJUSTING DOOR POSITION

The arrows should point in the direction of adjustment when the door is closed.



- When adjusting the vertical position or the depth, loosen the screws, then hold the door at the suitable position and re-tighten the screws. Use wedges to support the door. (Tightening torque is 4.9 N·m.)
- When adjusting horizontal position, turn Horizontal adjustment screw (There are two screws per hinge.) The gap between Door and Frame will be expanded by turning the screw clockwise.

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.
- ⚠ Horizontal adjustment range is +3 mm/-2 mm. When turning the screw to the right, if you move the part more than 2 mm, the cover cannot be put on, since the part protrudes. If you still turn the screw, the door will fall.

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