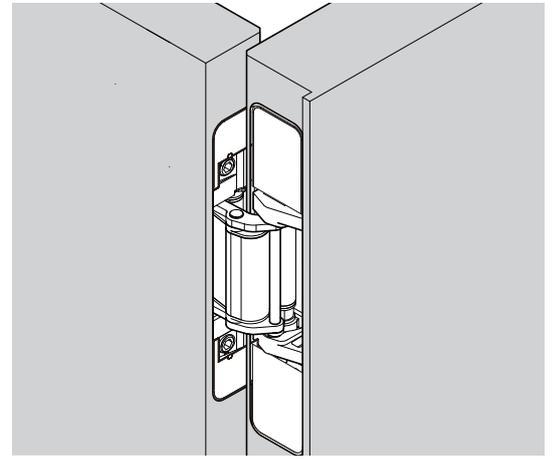


LAMP**HES3D-V135LGR 3-WAY ADJUSTABLE
HES CONCEALED DOOR HINGE Installation Manual**

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

- It is a hidden hinge for indoor fittings embedded in doors and side plates.
- Three dimensional adjustment function allows vertical, horizontal, and depth adjustment.

**DOOR SPECIFICATIONS**

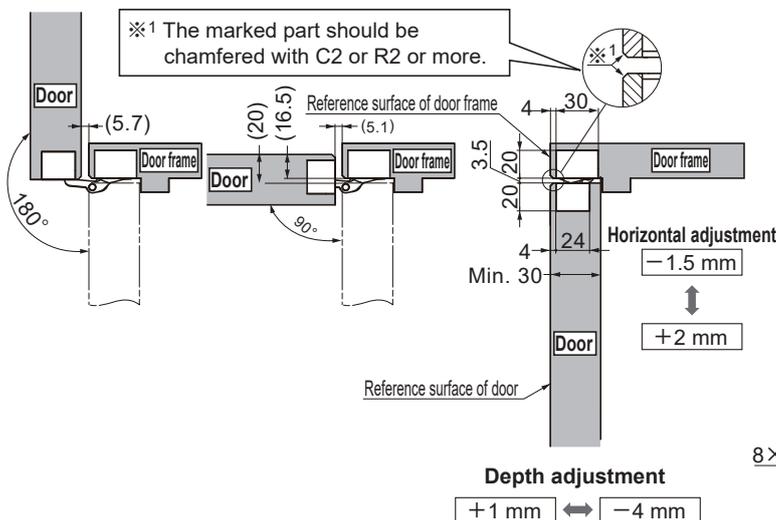
Min. Door thickness	30 mm
Max. Door weight	40kg per 2 hinges, 55kg per 3 hinges
Max. Door size	Width: 900 mm, Height: 2400 mm

COMPONENT PARTS(PER BOX)

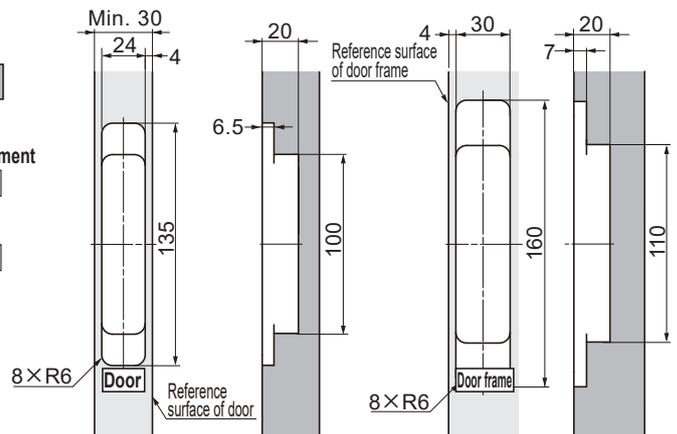
• Concealed hinge	2 pcs
• Door side screw cover (L · R)	2 pcs × 2
• Frame side screw cover (L · R)	1 pc. each × 2
• Template	1 pc
• Bind head tapping screw 5 × 15	8 pcs × 2 set
• Fastening screw	2 pcs × 2

FOR YOUR SAFETY AND CORRECT INSTALLATION**Meaning of symbols****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.
- ❗ Be sure to use the door stop together to prevent the product from becoming open.
- ❗ 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).

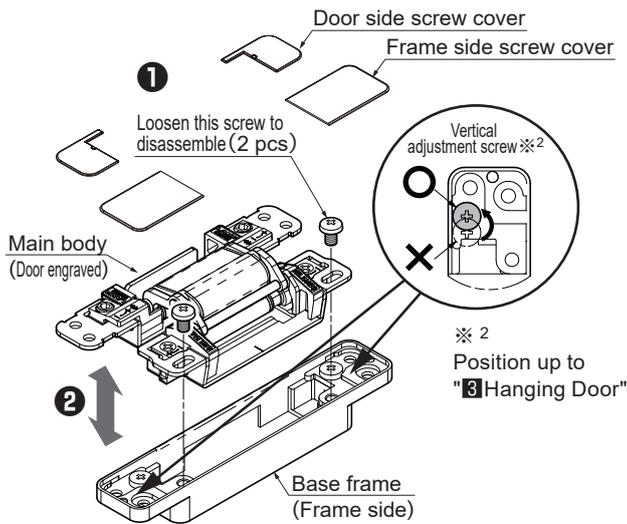
INSTALLATION DRAWING (EXAMPLE)**CUT OUT DRAWING FOR DOOR AND DOORFRAME**

Using the supplied template and machining tool HES3D-V135-TMP (sold separately) simplifies ruling and machining.

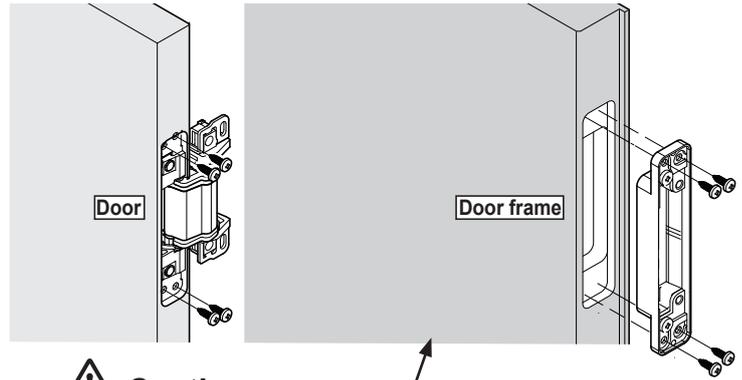


INSTALLATION PROCEDURE

1 Disassembly of Hinge



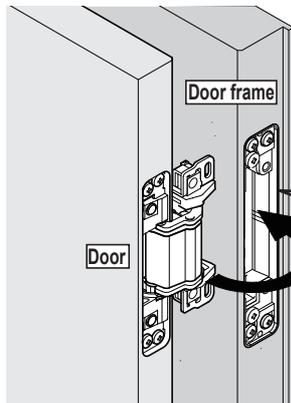
2 Installing Hinge to Door and Cabinet



Caution

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

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

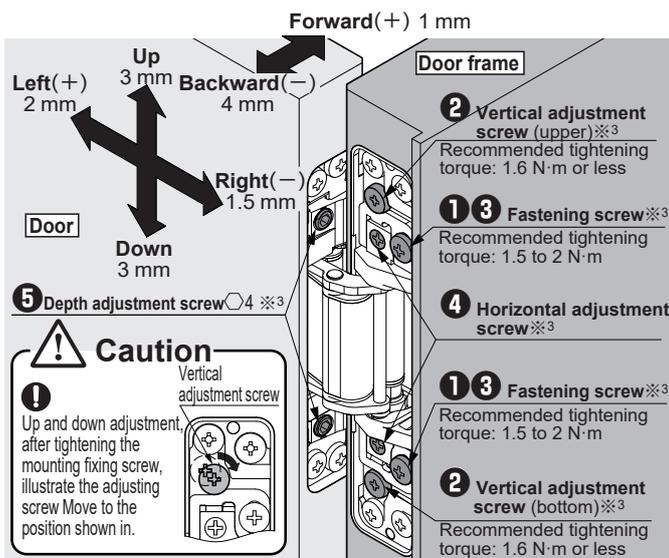
- Do not move the door at this stage as it may fall off.
- If the hinge body does not fit deep into the base frame, refer to "Disassembly of 1 hinge" vertical adjustment screw and place the vertical adjustment screw on the hinge body in the correct position.

- [3] While supporting the door, quickly tighten and secure the fastening screw.



ADJUSTING DOOR POSITION

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



① - ⑤ 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

- ① Loosen the fastening screw one turn.
- ② Lifted the door to the correct height.
- ③ Finally, secure the fastening screw.

Horizontal adjustment

- ④ Rotate the adjustment screw to the correct position.

Depth adjustment

- ⑤ Rotate the adjustment screw to the correct position.

Caution

- The left and right adjustment ranges are +2mm and -1.5mm. When turning the adjustment screw to the right (+), it moves further, but the cover will not fit because the parts will come out. If you turn it further, Door will come off.
- When turning Horizontal adjustment or Depth adjustment, turn the two screws of the hinge Body a little at a time. The hinge may be broken if you one screw only.

Mounting the screw cover after adjustment

Finally, referring to "1 Disassemble of hinge", turn Caution the screw cover in the direction and install it.

※ 3 Please prepare the hex wrench $\square 4$ and Phillips screwdriver.

SUGATSUNE KOGYO CO., LTD.
Tokyo, JAPAN
Phone: +81 3 3966 2260
E-mail: export@sugatsune.co.jp

SUGATSUNE KOGYO (UK) LIMITED
Reading, UK
Phone: +44 1189 272 955
E-mail: sales@sugatsune.co.uk

SUGATSUNE EUROPE GmbH
Düsseldorf, GERMANY
Phone: +49 211 53812 900
E-mail: sales@sugatsune.eu

SUGATSUNE AMERICA, INC.
California, USA
Phone: +1 310 329 6373
E-mail: sales@sugatsune.com

Chicago, USA
Phone: +1 630 317 7072
E-mail: sales@sugatsune.com

SUGATSUNE CANADA, INC.
Montreal, CANADA
Phone: +1 514 312 5267
E-mail: support@sugatsune.ca

SUGATSUNE SHANGHAI CO., LTD.
Shanghai, CHINA
Phone: +86 21 3632 1858
E-mail: lamp@sugatsune.com.cn

Guangzhou, CHINA
Phone: +86 20 6639 3554
E-mail: lamp@sugatsune.com.cn

SUGATSUNE KOREA CO., LTD.
Incheon, KOREA
Phone: +82 32 220 0603
E-mail: sales@sugatsune-korea.co.kr

SUGATSUNE KOGYO INDIA PRIVATE LIMITED
Mumbai, INDIA
Phone: +91 9867299597
E-mail: sales@sugatsune.in
Delhi, INDIA
Phone: +91 9867299597
+91 11 45093636
E-mail: sales@sugatsune.in