

LAMP

HES INSTALLATION MANUAL FOR HES3D-E190 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 doorframe.
- 3 way adjustment function allows vertical, horizontal, and depth adjustment.
- UL certified - No.R38588

DOOR SPECIFICATION

Min. Door thickness	38 mm
Max. Door weight	100 kg per 2 hinges, 125 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 x 2 bags
• Template	1 pc
• Countersunk head tapping screw 5x30	8 pcs x 2 bags
• Hex Key 4mm	1 pc

FOR YOUR SAFE WORK AND CORRECT INSTALLATION

Meaning of symbols



**Warning
Caution**



Prohibited



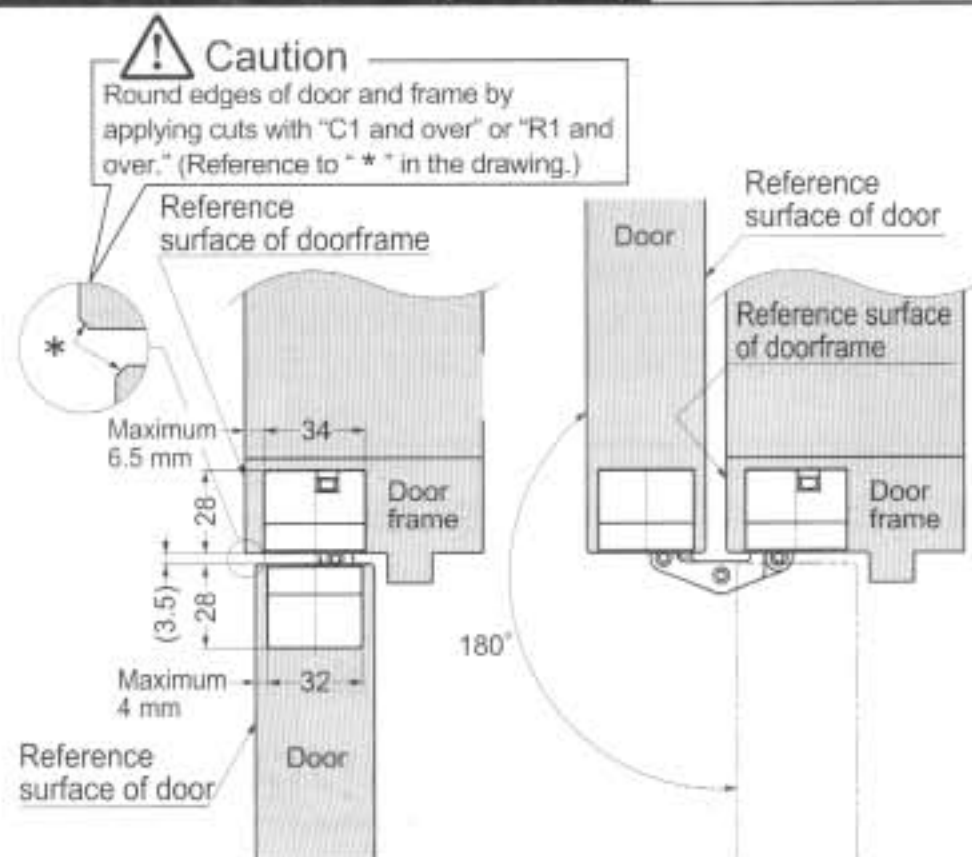
Required



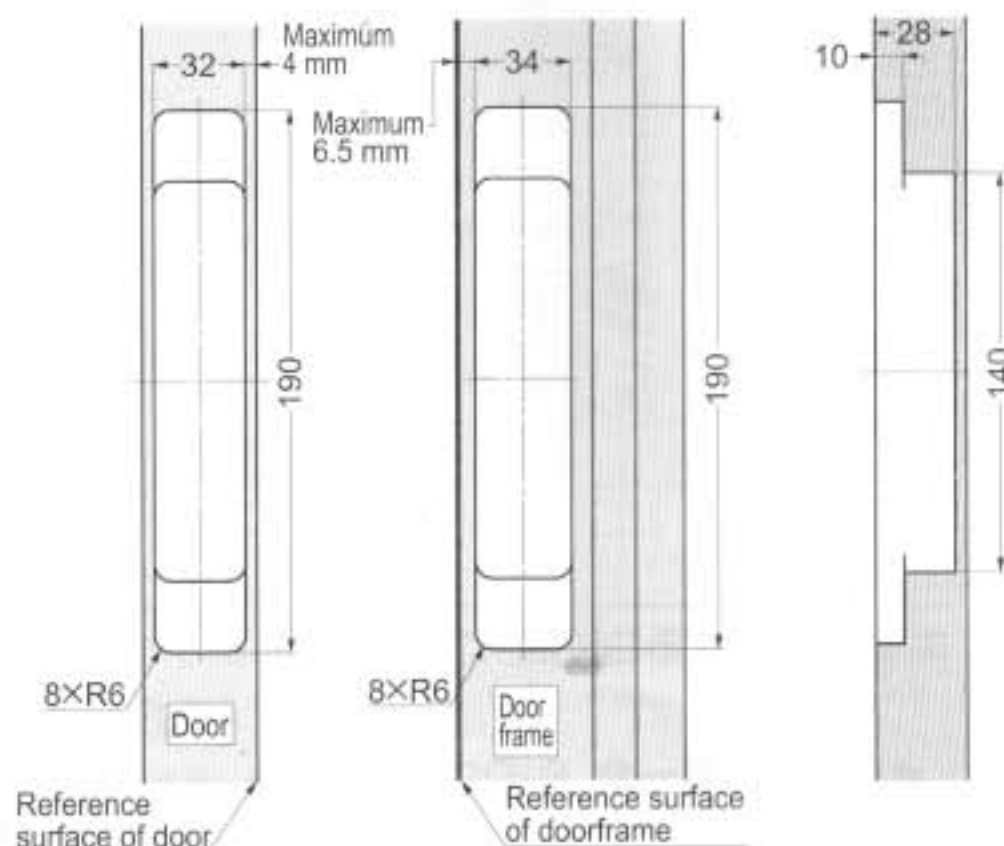
Caution: If these cautions are not followed, it may result in injury or damage.

- ❗ It is necessary to manufacture the frame with sufficient strength so it endures the weight of the door and impact shocks upon opening/closing the door. Also make sure to only use the designated screws and to fasten them firmly. A cabinet with poor strength or loose screws might result the door to be dropped down and cause injury.
- ⊘ Do not try to use this product for any other purposes other than originally intended for. Do not use the parts for applications that are out of 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 measurements and specifications as well as horizontal and verticals angles. Make sure that the frame 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.
- ❗ Make sure to test the screws for slack at regular intervals (one month from first usage, half year and then one time every year is recommended).

INSTALLATION DRAWING (EXAMPLE)

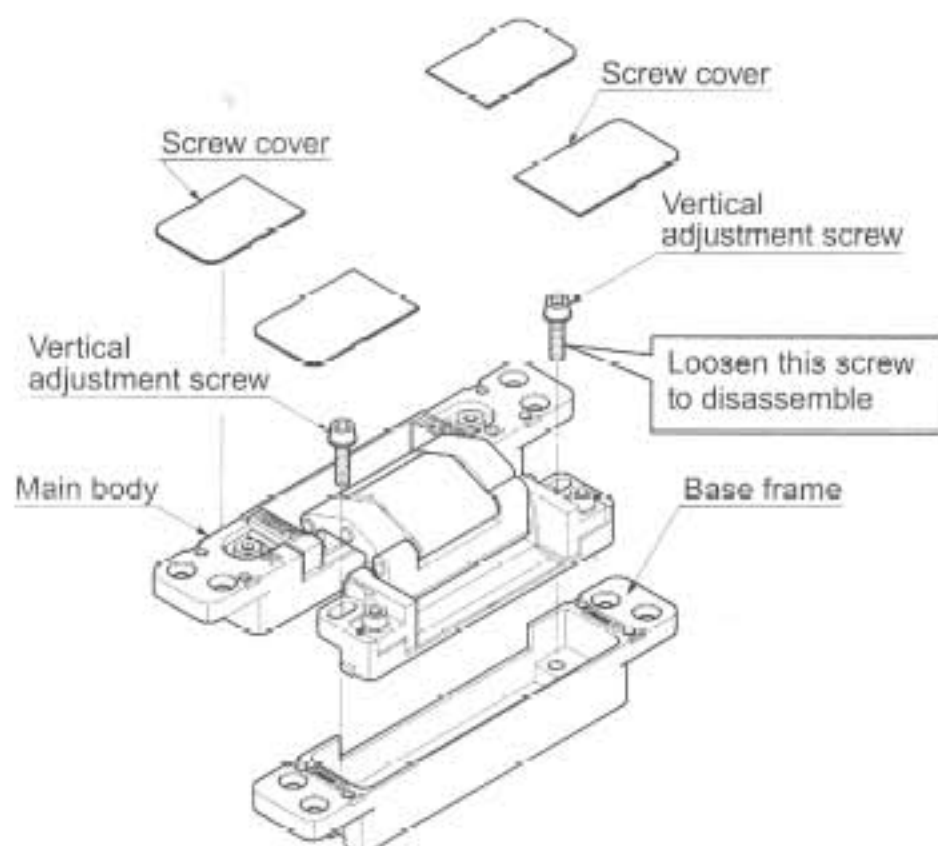


CUT OUT DRAWING FOR DOOR AND DOORFRAME

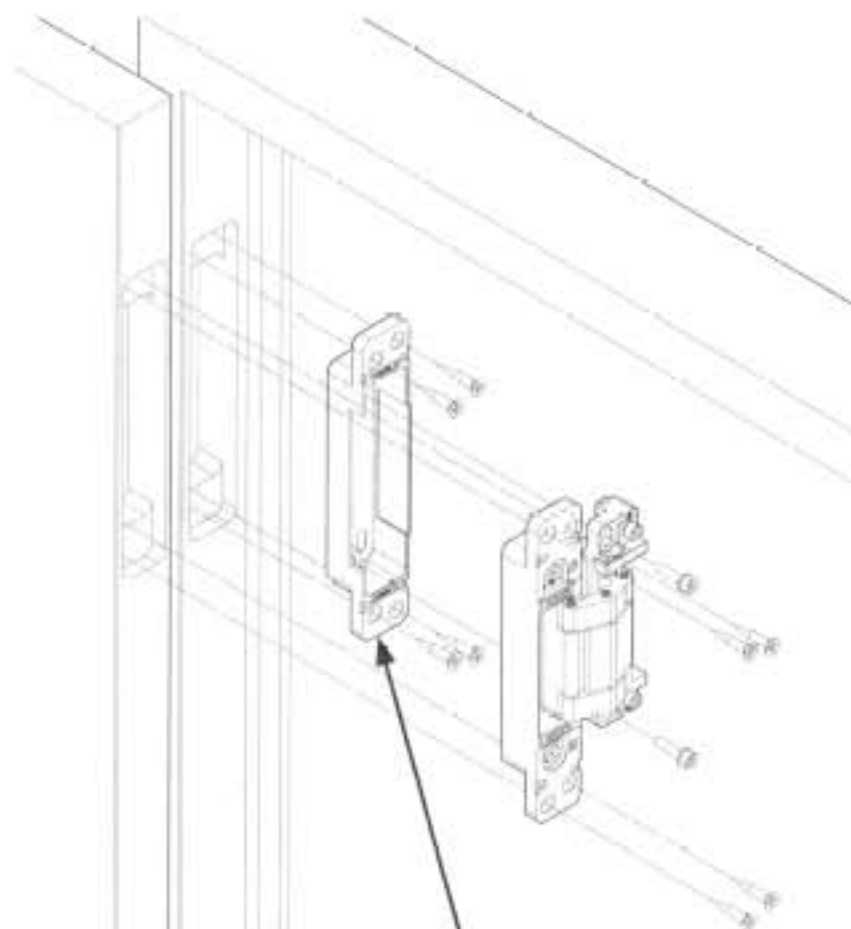


INSTALLATION PROCEDURE

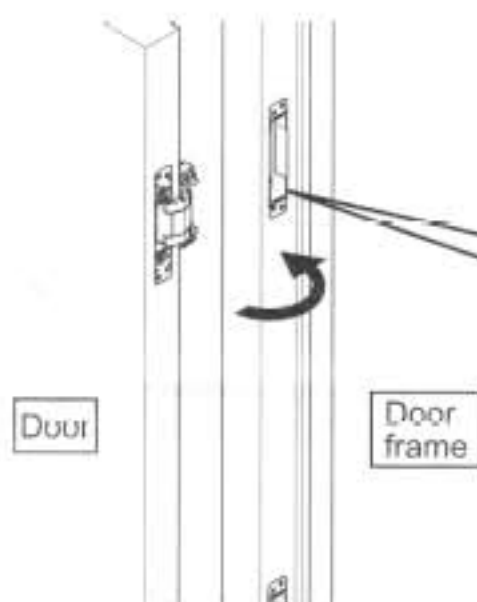
1 Disassembly of Hinge



2 Installing Hinge to Door and Cabinet



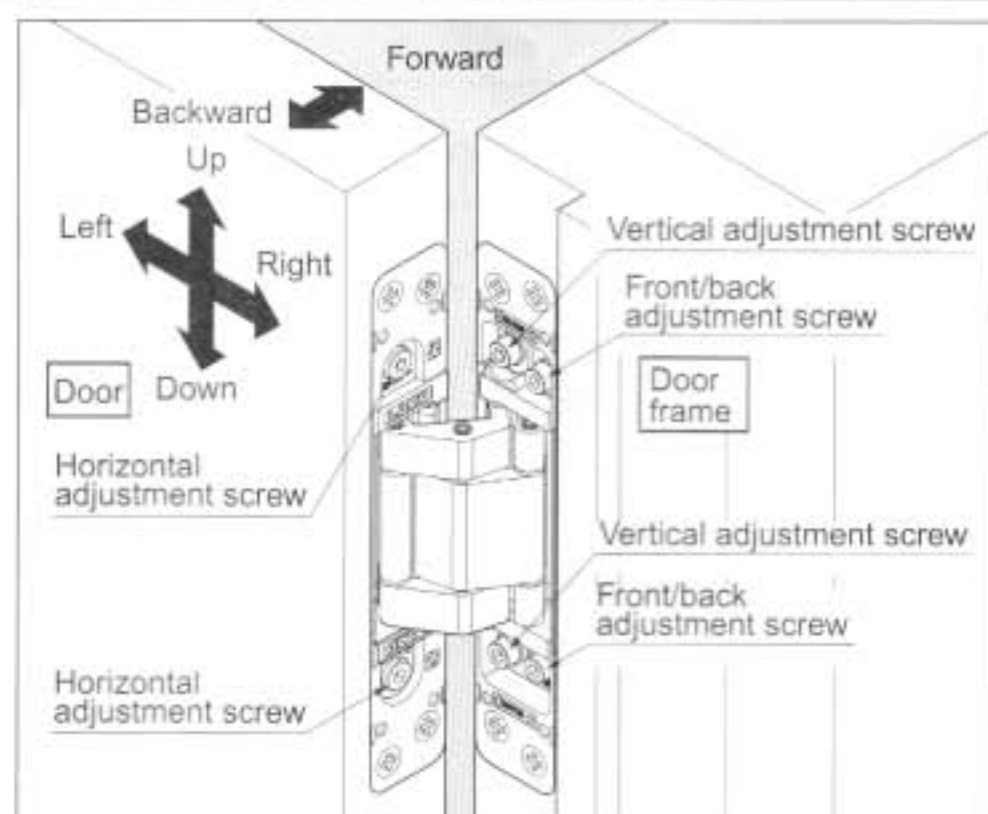
3 Hanging Door



While holding the door, insert Hinge main body into the Base frame on Doorframe. Keep holding the door and fix the hinge with the fixing screws at once.

Caution
Before installing Base frame to Doorframe check the mounting direction by coupling it with Hinge main body.

ADJUSTING DOOR POSITION



• When adjusting Vertical or Backward/Forward position, loosen the screws 360-degree, 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 to the right.

Caution

- Do not remove Front/back adjustment screw. The door may be dropped and cause injury.
- When adjusting horizontal position, turn both screws little by little, 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 be dropped.

SUGATSUNE KOGYO CO.,LTD
Tokyo, JAPAN
Phone: +81 (0)3 3866 2260 E-mail:export@sugatsune.co.jp

SUGATSUNE KOGYO (UK) LTD
Reading, UK
Phone: +44 118 9272 955 E-mail:sales@sugatsune.co.uk

SUGATSUNE EUROPE GmbH
Düsseldorf, GERMANY
Phone: +49 211 53812900 E-mail:sales@sugatsune.eu
ISO9001(Japan Offices and Sugatsune America) and ISO14001(Chiba Production division and Logistics center), certified.

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

Guangzhou, CHINA
Phone: +86 20 6639 3552 E-mail:lamp@sugatsune.com.cn

SUGATSUNE KOGYO INDIA PRIVATE LIMITED
Mumbai, INDIA
Phone: +91 22 28314490/91 E-mail:sales@sugatsune.in

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

Chicago, USA
Phone: +1 312 461 1081 E-mail:chicagoshowroom@sugatsune.com

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