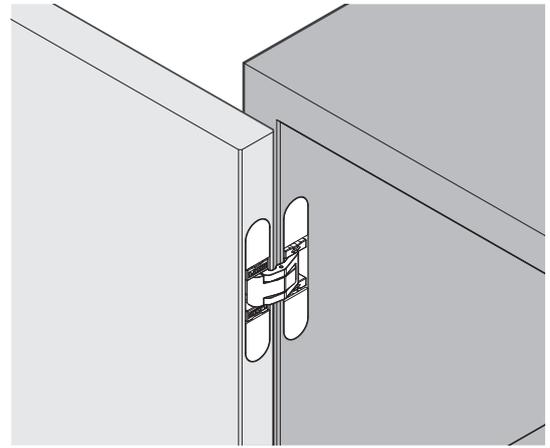


LAMP®**HES**
Hinge & Espir®**INSTALLATION MANUAL****FOR HES3D-70 CONCEALED HINGE**

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 furniture to be recessed into the door and side board.
- Three dimensional adjustment function allows vertical, horizontal, and depth adjustment.

DOOR SPECIFICATION

Min. Door thickness	19 mm
Max. Door weight	9 kg per 2 hinges, 12 kg per 3 hinges
Max. Door size	Width: 600 mm, Height: 1200 mm

COMPONENT PARTS (PER BOX)

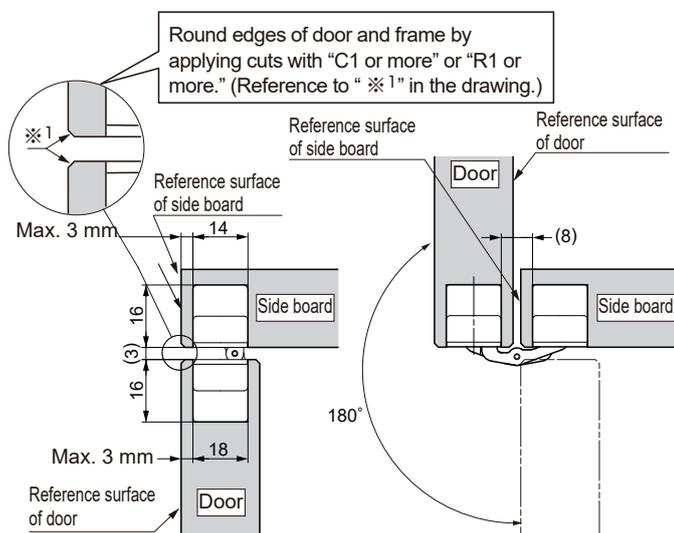
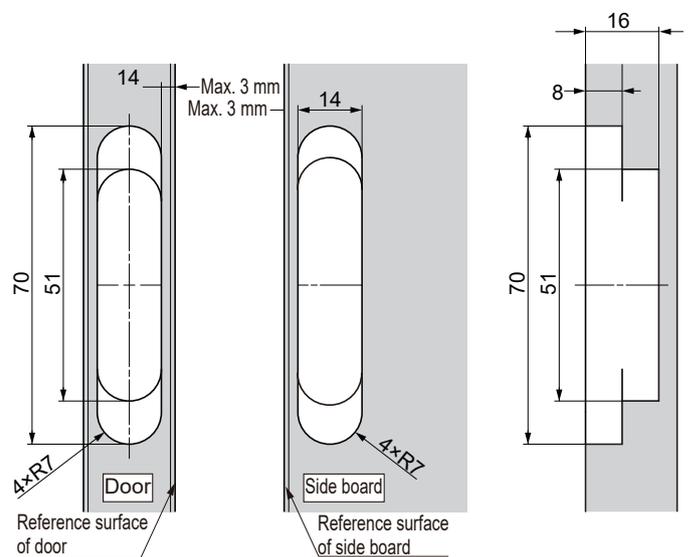
• Concealed hinge	2 pcs
• Screw cover	4 pcs × 2 bags
• Template	1 pc
• Countersunk head tapping screw 4 × 20	4 pcs × 2 bags
• Hex Key 2mm	1 pc

FOR YOUR SAFE WORK AND CORRECT INSTALLATION**Meaning of symbols**

	Warning Caution		Prohibited		Required
--	------------------------	--	-------------------	--	-----------------

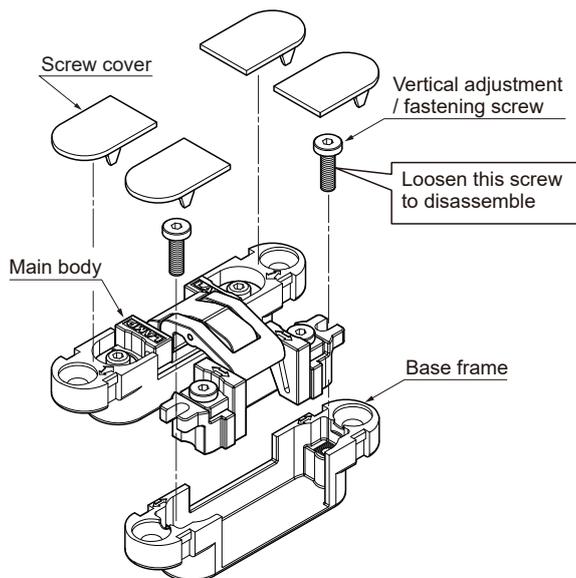
Caution: If not followed, injury or damage may result.

- ❗ Provide a cabinet 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 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 door damper or stay is not recommended.
- ❗ Follow the specified dimensions, specifications, and alignment of the cabinet. Warping, tilting or twisting of the cabinet or door may cause failure.
- ❗ This product is a part for furniture. 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).

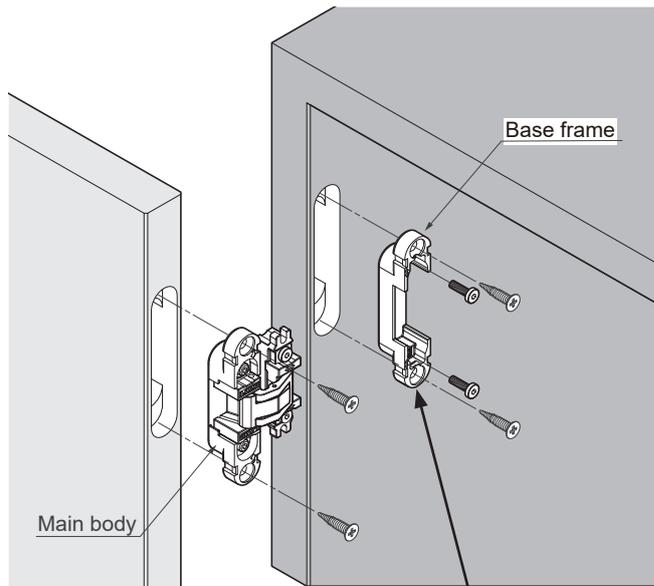
INSTALLATION DRAWING (EXAMPLE)**CUT OUT DRAWING FOR DOOR AND SIDE BOARD**

INSTALLATION PROCEDURE

1 Disassembly of Hinge



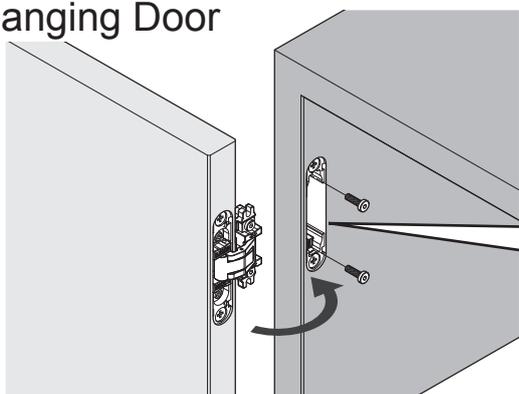
2 Installing Hinge to Door and Cabinet



⚠ Caution

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

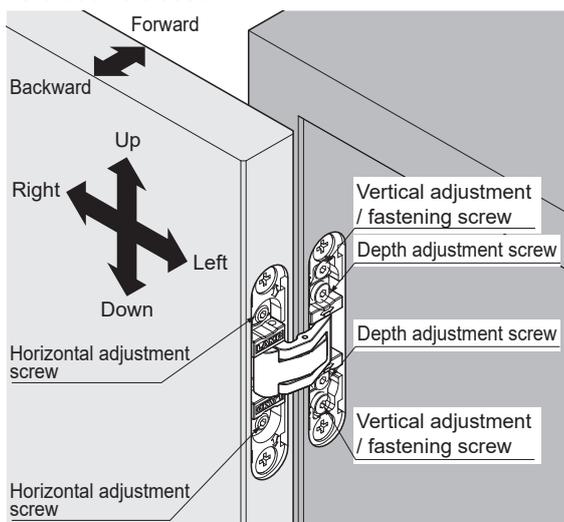
3 Hanging Door



While holding the door, insert hinge main body into the base frame on the side board. Fasten the screws at once while holding the door.

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. (Tightening torque is 0.5 N·m.)
- When adjusting horizontal position, turn horizontal adjustment screw. (There are two screws per hinge.)

The gap between door and side board will be expanded by turning the screw clockwise.

⚠ Caution

- ⊘ Do not remove the depth adjustment screw. The door may fall and cause injury.
- ❗ Tighten adjustment screws within the tightening torque so as not to damage the screws.
- ❗ 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 ± 1.5 mm. When turning the screw to the right, if you move the part more than 1.5 mm the cover cannot be put on, since the part protrudes. If you still turn the screw, the door will fall.

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

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

ISO9001(Japan Offices and Sugatsune America) and ISO14001(Chiba Production division and Logistics center), certified.

2021.08 1039-4