

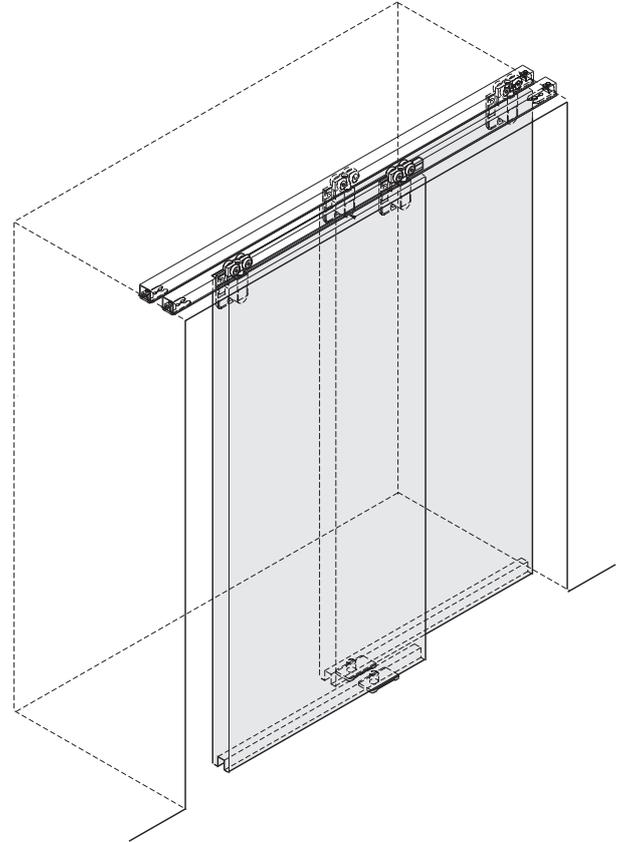
Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

- This product is parts set for sliding door system for indoor use.
- Easy door installation and adjustment.

SPECIFICATIONS

Max.Door width	1000 mm
Max.Door height	2400 mm
Min.Door thickness	28 mm
Max.Door weight	30 kg / door
Height adjustable range	±4 mm



FOR YOUR SAFETY WORK AND OPERATION

Meaning of symbols

Warning Caution	Prohibited	Required
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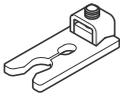
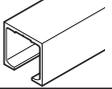
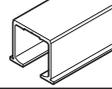
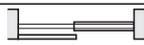
⚠ WARNING: If these warnings are not followed, it may result in death or serious injury.

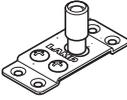
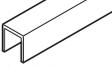
- ❗ This (sliding door system) should be installed by an experienced person who has correct knowledge. If the system is not installed correctly, the door will not operate smoothly, and or may cause injury.
- ❗ It is necessary to manufacture the frame with sufficient strength so it endures the weight of the door and impact shocks upon opening/closing the door. A frame with poor strength might result in improper and slower movement of the door. In the worst case, the door might drop 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.
- ⊘ Do not disassemble nor modify any parts than those described in this document.

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

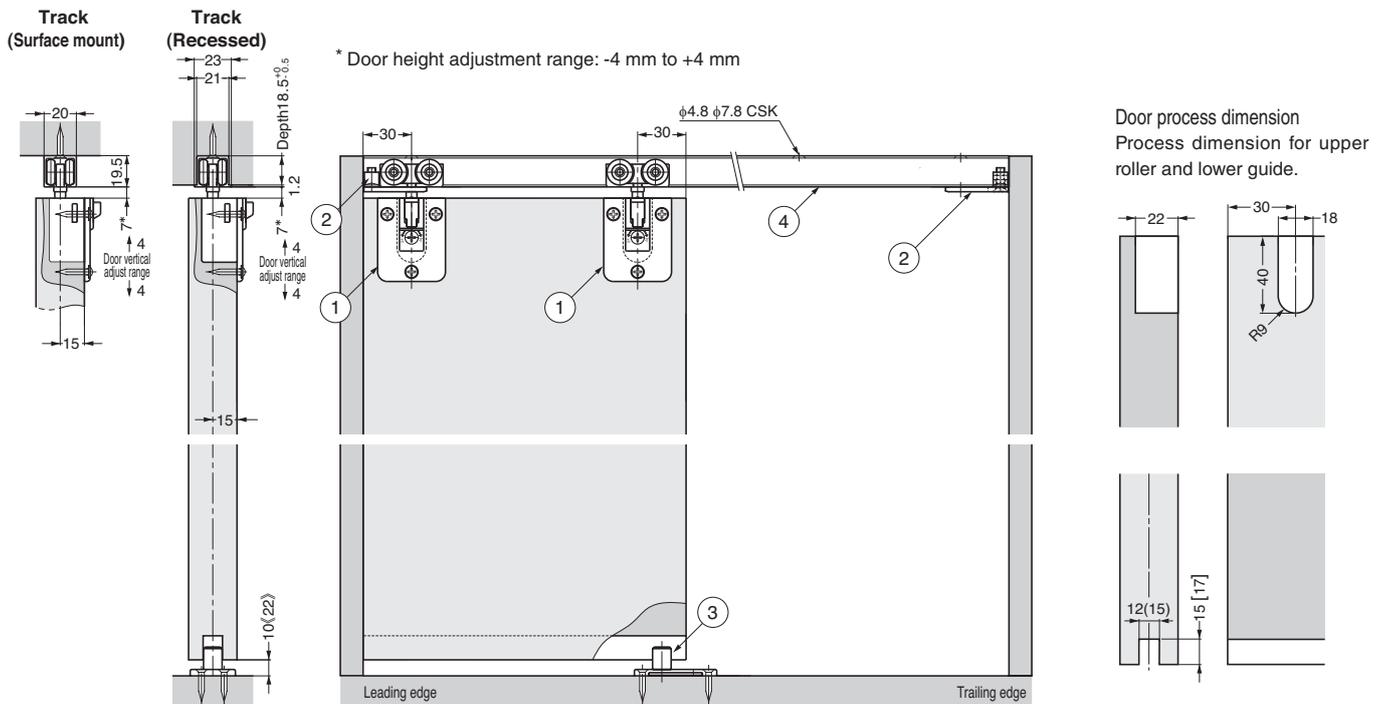
- ❗ Make sure to follow the designated measurements and specifications as well as horizontal and verticals angles. Make sure that the frame is not warped, since it may affect the movement of the door.
- ❗ If cutting any parts, make sure to remove any burr before installation. Also check the upper track for any left-over burr or scrap and remove these.
- ❗ This sliding door system 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).

COMPONENT PARTS

No.	①	②	③	④	
Name	Upper roller (side mount)	Door catch	Floor guide (with roller)	Upper track (Surface mount)	Upper track (Recessed mount)
Item No.	FD30-WRU	FD30-HTST	FD30-HBG	FD30-TRM	FD30-TRH
Item	 Accessory screw: Bind head tapping screw 3.5x30 3pcs		 Accessory screw: Countersunk head tapping screw 3.5x30 4pcs		
	(various sizes) Hole pitch : 300 mm Pitch end : 30 mm Recommended screw : Countersunk head tapping screw 3.5x20				
Single sliding	 2pcs	2pcs	1pc	Use 1 (surface mount or recessed)	
Double sliding	 4pcs	4pcs	2pcs	Use 2 (surface mount or recessed)	

OPTIONAL PARTS	No	⑤	⑥
	Name	Floor guide (long shaft)	Recessed guide track under door
	Item No.	FD30-HBGH	FD30-HBRT
Item	 Accessory screw: Pan head tapping screw (Stainless steel) 3.5x30 4pcs	 (various sizes) Hole pitch :250 mm Pitch end :30 mm Recommended screw: Countersunk head tapping screw 4x20	

INSTALLATION DRAWING (EXAMPLE)



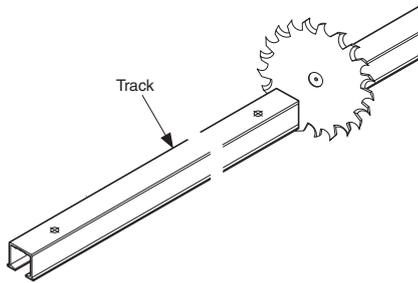
Dimension in { } : When long shaft floor guide (option) is used.
[] : When recessed guide track under door (option) is used.

1 Preparation and Installation

1. Cutting track

Cut the track to required length.

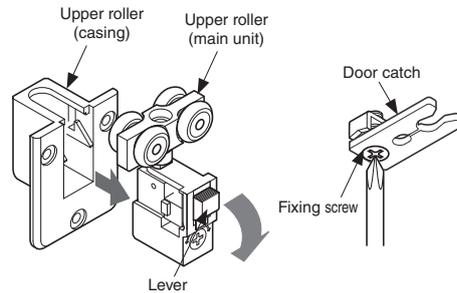
△ When cutting, use reinforcer for the track to prevent deformation at cut section.



2. Preparation of mounting parts

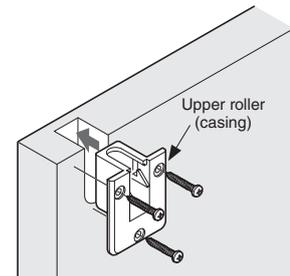
Upper roller: Pull up lever to separate main unit from casing.

Loosen fixing screw on Door catch.



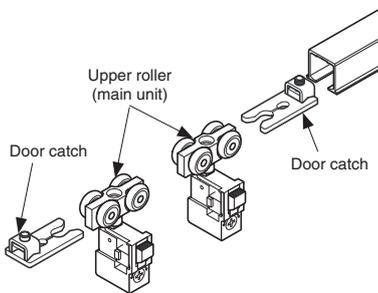
3. Installing casing

Firmly insert upper roller casing into the place as shown, fix it with attached screws.



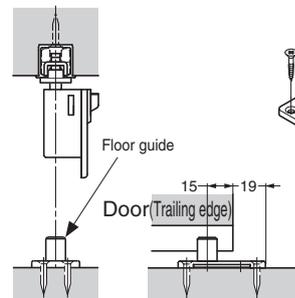
4. Assembly of parts

Assemble parts, in order of Door catch, Upper roller, and Door catch, taking care for part direction.



5. Floor guide

Install the floor guide so that it remains between the leading and trailing edges of the door when it is opened or closed.

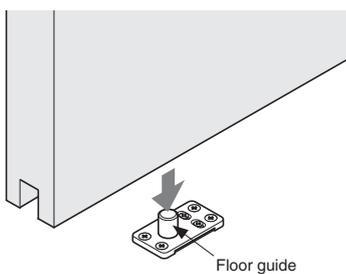


2 Hanging the Door and Adjustment

1. Door installation (bottom)

Put 10 mm support under the door.

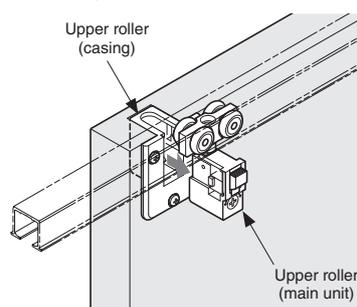
Insert the floor guide in the groove, and then hang the door.



2. Fixing door (Door upper)

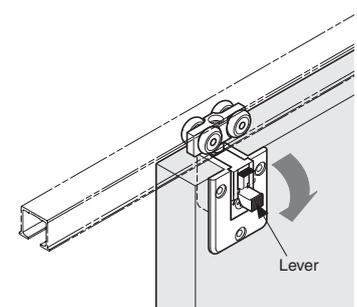
Insert upper roller main unit into the casing installed on door until "click" sound is heard.

△ Ensure that roller main unit is securely attached to the casing.



When removing the door

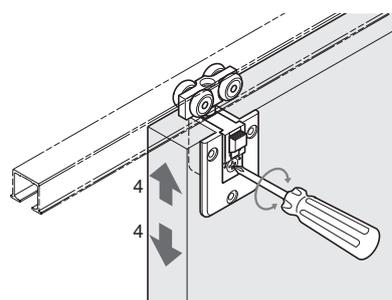
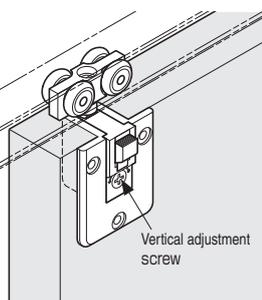
Use a 10 mm support under the door. Then pull out the upper roller main unit from the door while raising the lever.



3. Door vertical adjustment (8 mm)

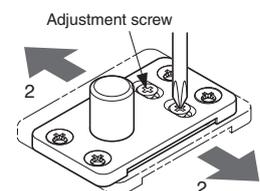
Adjust door such that door is parallel to upper track with 10 mm distance between door and floor.

- ⊘ Do not turn adjustment screw more than adjustment range.
- ⊘ To avoid damage on the adjustment screw, do not use motor screw driver.



4. Adjusting Floor guide: adjust range is 4 mm.

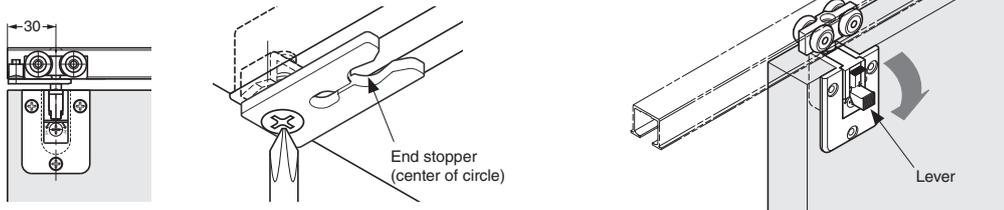
Slowly close and open the door. If door is not moved smoothly, it is necessary to make forward / backward adjustment for Floor guide and door.



5. Fixing End stopper position

Fix End stopper at the position where the center of End stopper is 30 mm from the vertical frame. Then slowly moving the door to close. If necessary, adjust upper stopper position.

When vertical frame is not used, use door stopper without fail.



Final confirmation Confirm that all screws are securely tightened. And, confirm that all screws are used without mistake.

PERIODICAL INSPECTION

- Clean inside of track.
- Check upper space and lower space of the door. If necessary, correct the space.

TROUBLESHOOTING

Trouble	Check	Solution
Abnormal noise during operation	Check if door touches adjacent parts.	Provide necessary space between door and adjacent objects.
	Check track rollers for aluminum dust.	Remove the track and pull out the roller. Then, clean the roller.
	Check for loose screws retaining the upper track.	Tighten the screw.
Heavy door operation	Check if door bottom touches the floor.	Confirm that screws are not loosened. And, adjust door height. Adjust the clearance between door bottom and floor to 10mm.
	Check if door touches adjacent parts.	Correct door position to avoid contact to other objects.
	Check if door is warped.	Use the door without warp.
Door does not move.	Check track retaining screws for looseness.	Roller touches the screw. Retighten screws to free the roller.
Door starts to move.	Check if the upper track is set horizontally.	Using a level gauge, reset upper track horizontally.

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

SUGATSUNE EUROPE GmbH
Düsseldorf, GERMANY
Phone: +49 211 53812900
E-mail: info@sugatsune.eu

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

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

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

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

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

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