

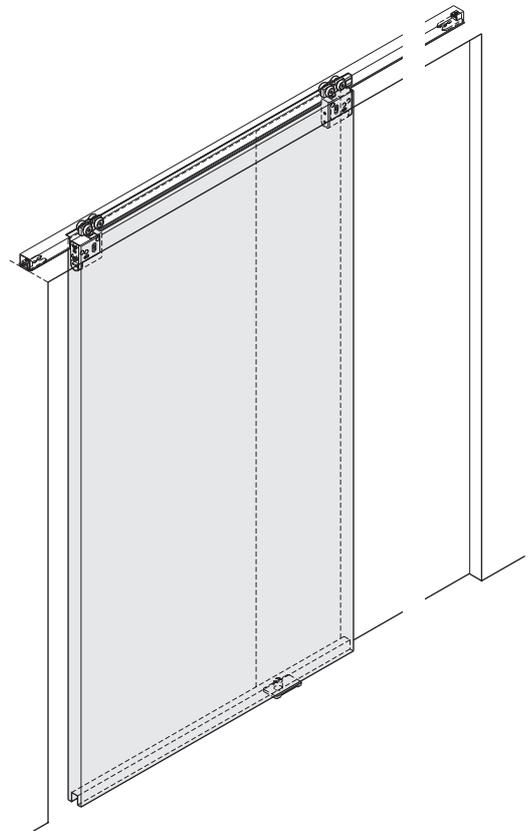
Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

## 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	24 mm
Max.Door weight	30 kg/door
Height adjustable range	±4 mm
Forward - backward adjustment	±2 mm



## FOR YOUR SAFETY WORK AND OPERATION

### Meaning of symbols

 <b>Warning</b> Caution	 <b>Prohibited</b>	 <b>Required</b>
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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 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.

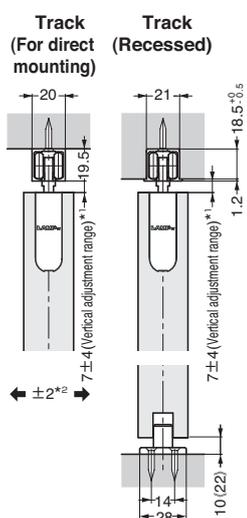
- ❗ Make sure to follow the designated measurements and specifications as well as horizontal and verticals angles. Make sure that the frame is not warped, since it may affect the movement of the door.
- ❗ If cutting any parts, make sure to remove any burr before installation. Also check the upper track 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		⑤
Name	Upper roller (recessed)	Door catch	Floor guide (with roller)	Upper track (Surface mount)	Upper track (Recessed mount)	Cover cap for upper roller
Item No.	FD30-WRH	FD30-HTST	FD30-HBG			FD-30WRH-CP
Item	 Accessory screw: Pan head tapping screw 3.5x30 ..... 3pcs		 Accessory screw: Countersunk head tapping screw 3.5x30 ..... 4pcs			
Single sliding	2pcs	2pcs	1pc	Use 1 (surface mount or recessed)		2pcs
Double sliding	4pcs	4pcs	2pcs	Use 2 (surface mount or recessed)		4pcs
In line sliding	4pcs	4pcs	2pcs	Use 2 (surface mount or recessed)		4pcs

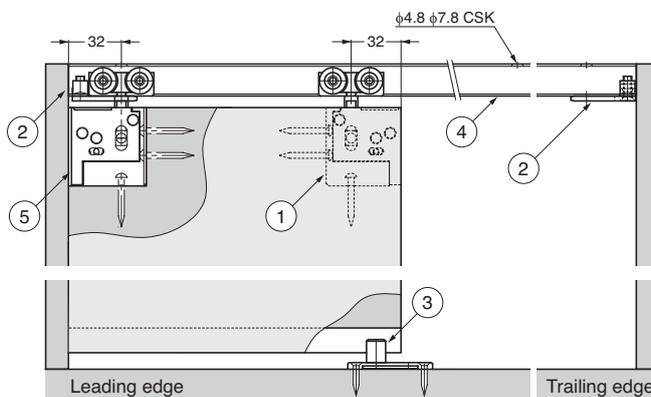
OPTIONAL PARTS	No.	⑥	⑦
	Name	Recessed guide track under door	For lower guide roller (long shaft)
	Item No.	FD-30HBRT1500SIL	FD30-HBGH
Item			Accessory screw: Countersunk head tapping screw 3.5x30 ..... 4pcs (Stainless steel)

# INSTALLATION DRAWING (EXAMPLE)

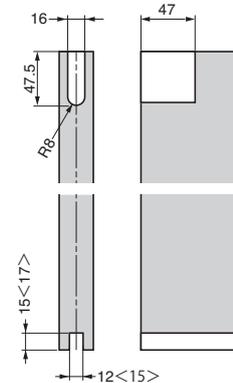


\*1 Door height adjustment range: -4 mm to +4 mm  
 \*2 Door height adjustment range: -2 mm to +2 mm

**Caution**  
 When vertical frame is not used, apply Tow-way soft closer.



### Door process dimension



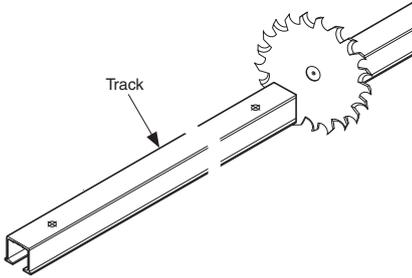
Dimension in <>: When recessed guide track ⑥ under door (option) is used.  
 ( ): When long shaft floor guide ⑦ (option) is used.

## 1 Preparation and Installation

### 1. Cutting track

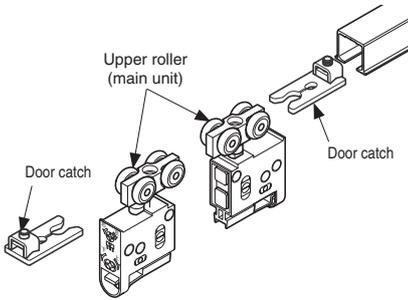
Cut the track to required length to meet the opening.

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



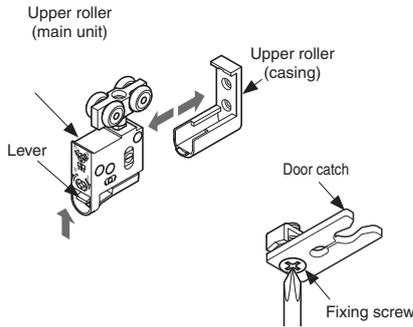
### 4. Assembly of parts

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



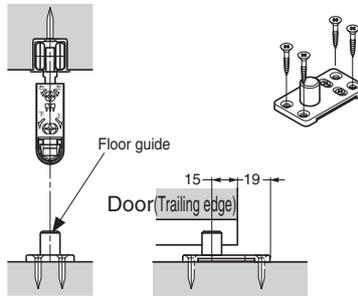
### 2. Preparation of mounting parts

Pull up lever to separate main unit from casing. Loosen fixing screw on Door catch.



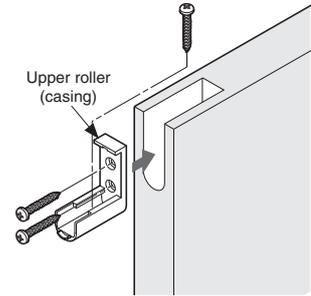
### 5. Floor guide

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



### 3. Installing casing

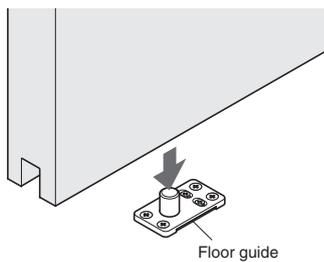
Firmly insert upper roller casing into the place as shown, fix it with attached screws.



## 2 Hanging Door and Adjustment

### 1. Door installation (bottom)

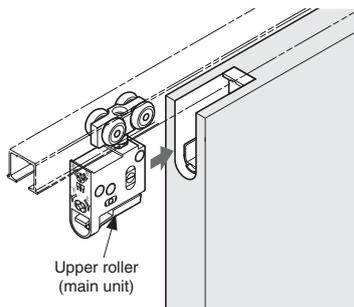
Put 10 mm support under the door. Insert the floor guide in the groove, and then hang the door.



### 2. Fixing door (Door upper)

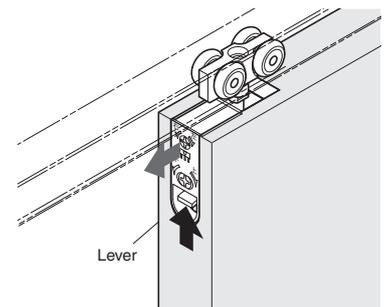
Insert upper roller main unit into the casing installed on door until a "click" sound is heard.

⚠ 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.

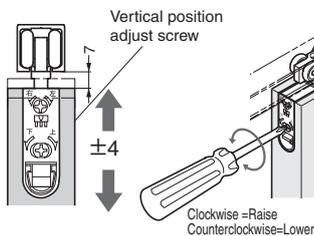


### 3. Door adjustment

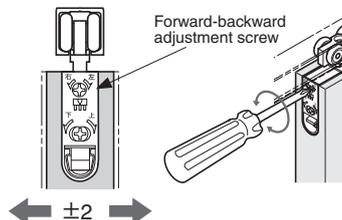
Adjust door such that door is parallel to upper track with 10 mm distance between door and floor.

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

Vertical adjustment range:  $\pm 4$  mm

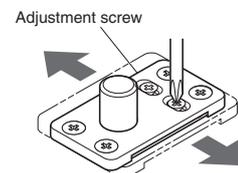


Forward-backward adjustment range:  $\pm 2$  mm



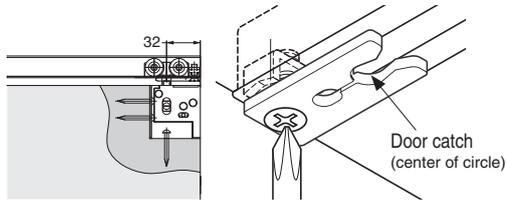
### 4. Adjusting Floor guide: adjust range is $\pm 2$ mm.

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



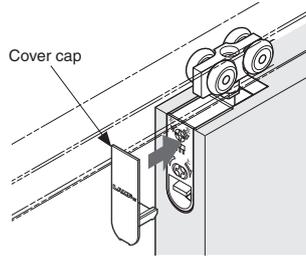
### 5. Fixing Door catch position

Fix Door catch at the position where the center of Door catch is 32 mm from the vertical frame. Then slowly move the door to close.  
If necessary, adjust upper stopper position.



### 6. Putting Cover cap

Push in cover cap between door and upper roller.



**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 inside of track for foreign matter or aluminum dust.	Remove dust or foreign matter.
	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. Adjust position of floor guide or stopper.
	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 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: info@sugatsune.eu

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

**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 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