

Installation Manual

FD30SP SLIDING DOOR SYSTEM

LAMP®

Recessed Mount Roller

Part No. : FD30SPHHP

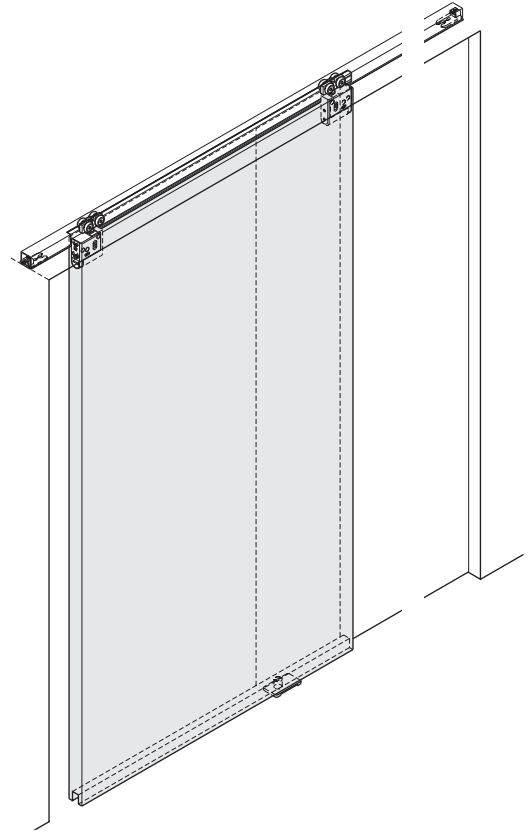
Thank you for selecting our product. Before installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

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

SPECIFICATIONS

Max. Door height	2400 mm
Max. Door width	1000 mm
Min. Door thickness	24 mm
Max. Door weight	30 kg/door
Vertical adjustment	± 3 mm
Depth adjustment	± 2 mm



FOR YOUR SAFETY AND CORRECT INSTALLATION

 **Warning Caution**  **Prohibited**  **Required**

WARNING: If not followed, death or serious injury may result.



- This product should be installed by a qualified person in accordance with this manual. If it is not installed correctly, the door may fall and cause injury.
- 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.



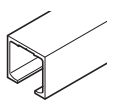
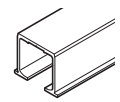
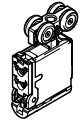
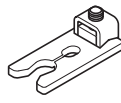
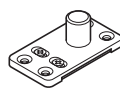



- Do not use this product for any other purpose, or with doors that are outside the specifications of this manual.
- Do not disassemble or modify any parts other than those described in this document.


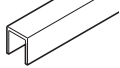
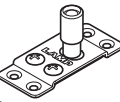

Caution: If not followed, injury or damage may result.



- Follow the specified dimensions, specifications, and alignment of the door and frame. Warping, tilting or twisting of the frame or door may cause failure.
- If cutting any parts, make sure to remove any burrs before installation. Also check the upper track for any left-over burrs or scraps and remove these.
- 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).
- Install the product with two people (in the case of one person, there is a risk of damaging components).

COMPONENT PARTS

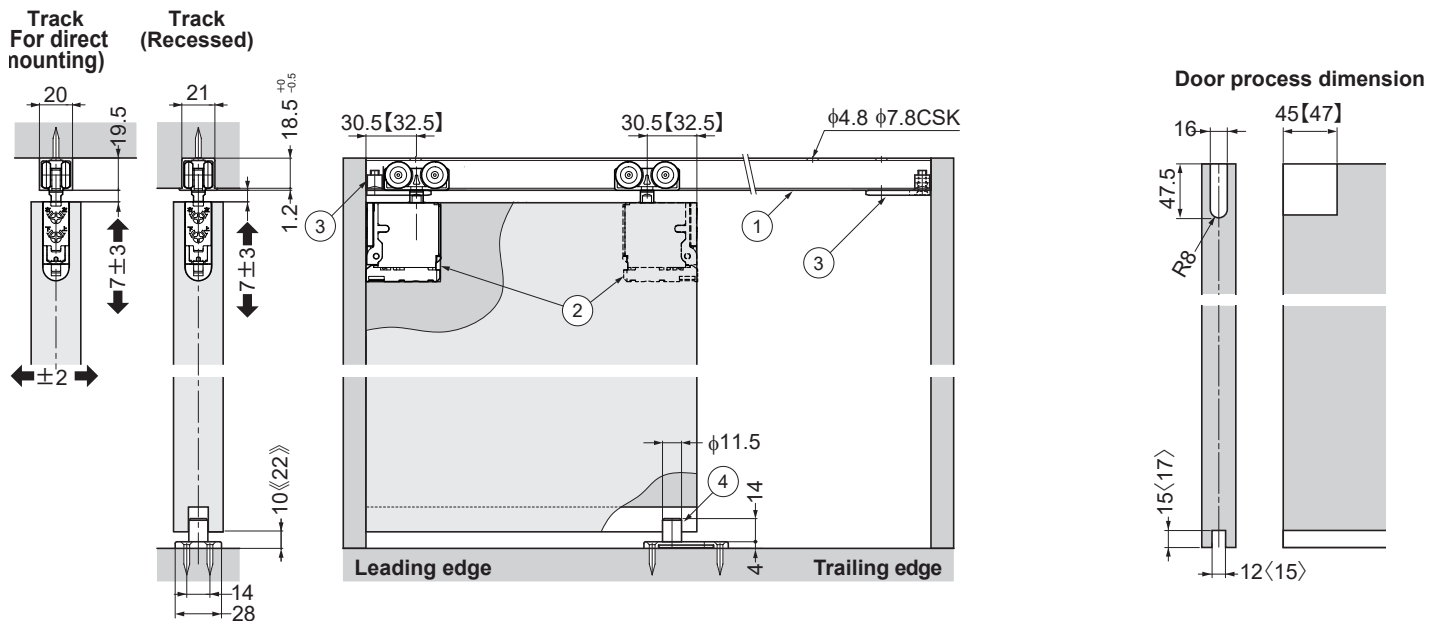
No.	①		②	③	④
Name	Upper track (Surface mount)	Upper track (Recessed mount)	Upper roller (recessed)	Door catcher	Floor guide (with roller)
Item No.	FD30-TRM	FD30-TRH	FD30SP-WRH	FD30-HTST	FD30-HBG
Item					
	910/4000 mm Hole pitch :300 mm Pitch end :30 mm recommended screw : Countersunk head tapping screw 3.5×20		Accessory screw: Pan head tapping screw 3.5×30 3pcs		Accessory screw: Countersunk head tapping screw 3.5×30 4pcs
Single sliding 	Use 1 (surface mount or recessed)		2pcs	2pcs	1pc
Double sliding 	Use 2 (surface mount or recessed)		4pcs	4pcs	2pcs
In line sliding 	Use 2 (surface mount or recessed)		4pcs	4pcs	2pcs

OPTIONAL PARTS	Name	⑤	⑥	⑦	ACCESSORY	⑧
	Item No.	Cover cap	Embedded Lower Guide Rail	Floor Guide (long shaft)		Spanner wrench
	Item	FDSP-WRH-CP	FD30-HBRT	FD30-HBGH		FDSP-SP
	Item		1000 - 1500 mm  Hole pitch : 250 mm Pitch end : 30 mm Recommended screw: Countersunk head tapping screw 4×20	 Accessory screw: Countersunk head tapping screw 3.5×30 4pcs (Stainless steel)		

INSTALLATION DRAWING (EXAMPLE)

- 【 】 When cover cap⑤(option) is used.
- < > When recessed Embedded Lower Guide Rail⑥ under door (option) is used.
- 《 》 When long shaft floor guide⑦(option) is used.

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

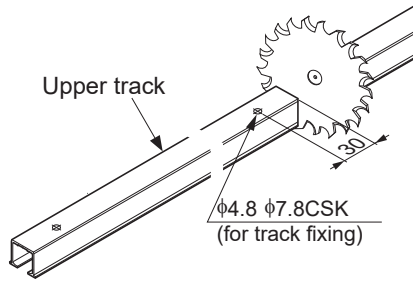


ASSEMBLY (In this manual, a single sliding door is used as an example.)

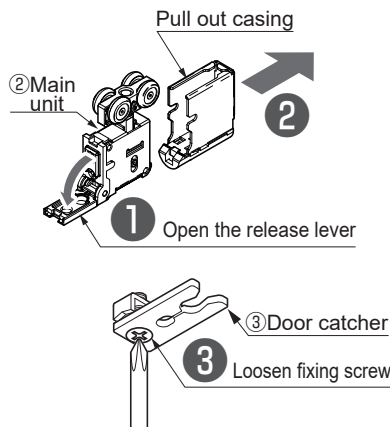
1 Cutting track

Cut the track to required length to meet the opening.

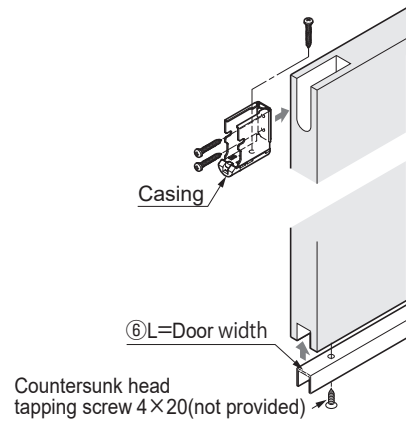
⚠ When cutting, use reinforcer for the track to prevent deformation at cut section.



2 Preparation of mounting parts

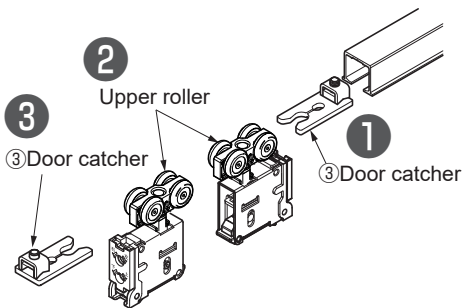


3 Installing casing



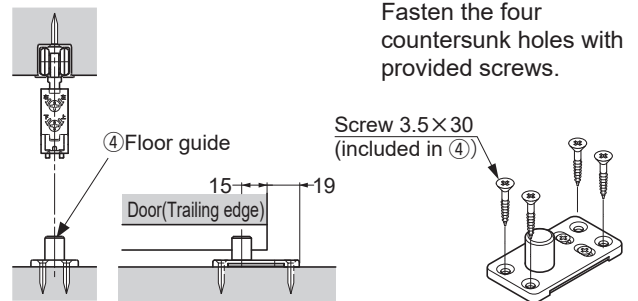
4 Inserting Parts into Upper Track

Insert the parts in order from 1 to 3 with care of direction.



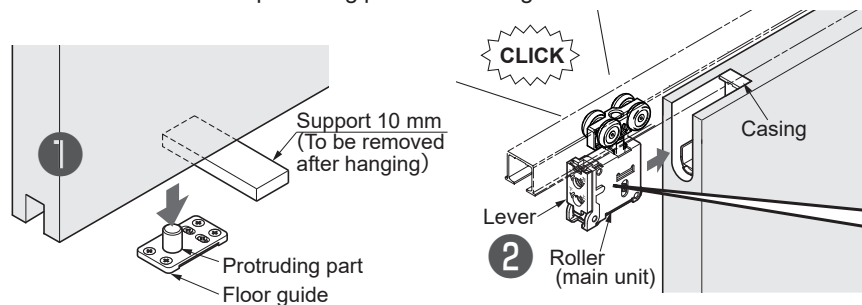
5 Mounting Floor Guide

Position floor guide just below the center of the upper track.



6 Hanging Door

Place a 10 mm support under the door. While holding the door, place the groove under the door on the protruding part of the floor guide.



Caution

Verify that the main unit is not dislocated from the casing, for either of the door ends.

With gaps
The release lever does not return.

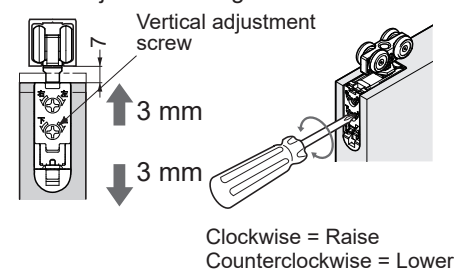
7 Adjusting the Door Position

Adjust door parallel to the upper track with 7-13 mm clearance between the door and floor.

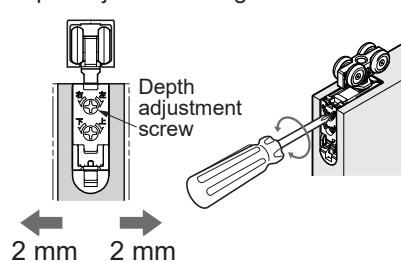
Caution

- Do not turn adjustment screw beyond adjustment range.
- Do not use electric screw driver.

Vertical adjustment range: 6 mm

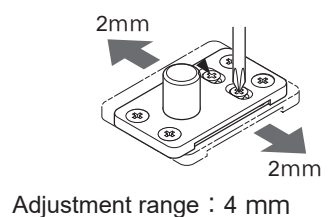


Depth adjustment range: 4 mm



8 Adjusting the floor guide

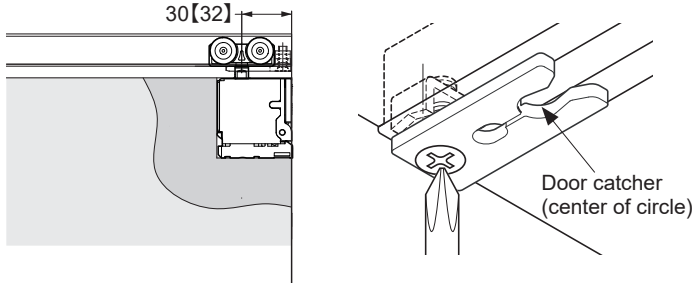
If the door movement is not smooth, remove the door, then adjust the floor guide forwards or backwards.



7 Fixing End Catch Position (Trailing edge)

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.

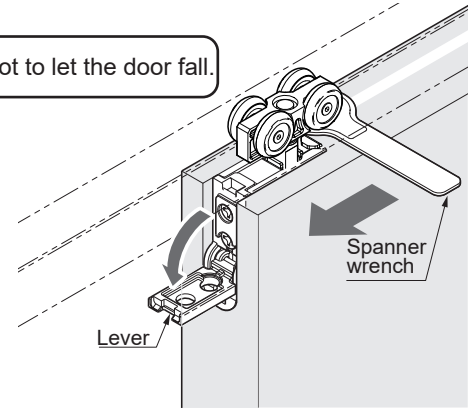
[] When cover cap⑤(option) is used.



APPENDIX How to remove door

- Use a 10 mm support under the door.
- Then pull out the upper roller main unit from the door while lower the lever.
- If it is difficult to install or detach the roller, loosen the nut as shown in the illustration.
- It will be easier if you slide the hanger bolt with a spanner wrench.

Caution
Be careful not to let the door fall.



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

TROUBLESHOOTING

Trouble	Checkpoint	Solution
Abnormal noise during operation	Check if door bottom contacts the floor or floor guide.	Verify that the track mounting screws are not loosened. Then, adjust the door height such that the clearance between the door bottom and floor is 7 - 13 mm.
	Check if door touches adjacent parts.	Adjust the position of floor guide to avoid contact with other objects.
	Check track rollers for aluminum dust.	Remove the track and pull out the roller. Then, clean the roller.
	Check the track mounting screws for looseness.	Retighten the screws to free the roller.
Heavy door operation	Check if door bottom contacts the floor or floor guide.	Verify that the track mounting screws are not loosened. Then, adjust the door height such that the clearance between the door bottom and floor is 7 - 13 mm.
	Check if door touches adjacent parts.	Adjust the door depth position to avoid contact with other objects or adjust the position of floor guide.
Door does not move.	Check the track mounting screws for looseness.	Retighten the screws to free the roller.
Door starts to move.	Check if the upper track is set horizontally.	Using a level gauge, reset the upper track horizontally.

SUGATSUNE KOGYO CO., LTD.
Tokyo, JAPAN
Phone: +81 3 3866 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