

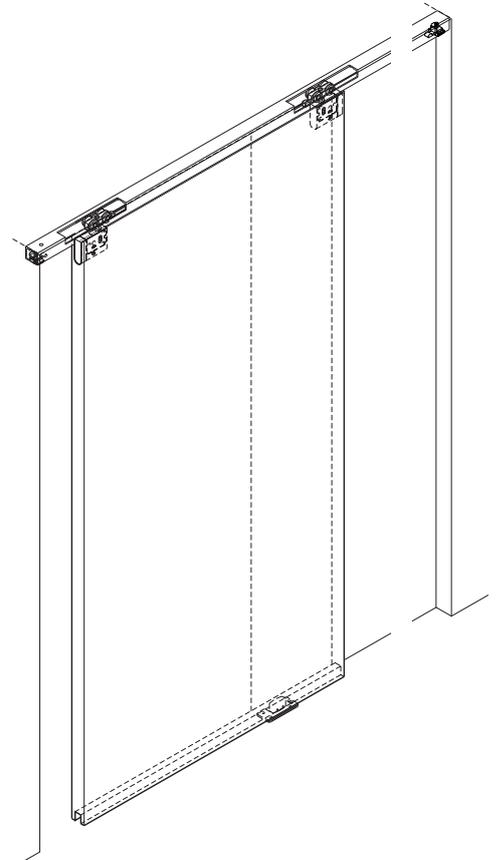
Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

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

SPECIFICATIONS

Door height	Max. 2400mm	2401~2700mm
Door width	Max. 1500mm	800~1500mm
Min. Door thickness	24 mm	
Max. Door weight	50 kg / door	
Adjustable height range	3 mm upward, 4 mm downward	
Forward / backward adjustment	± 2 mm	



FOR YOUR SAFE WORK AND CORRECT INSTALLATION

Meaning of symbols

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

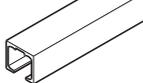
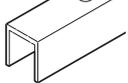
WARNING: If not followed, death or serious injury may result.

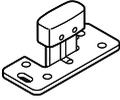
- ❗ This (sliding door system) should be installed by a qualified person. If the system is not installed correctly, the door will not operate smoothly, and may cause injury.
- ❗ It is necessary to manufacture the frame with sufficient strength so that it endures the weight of the door and any impact upon opening/closing the door. Only use designated screws and ensure that they are fastened firmly. A frame with poor strength or loose screws might result in the door falling and causing 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.
- ⊘ Do not disassemble nor modify any parts other than those described in this document.

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

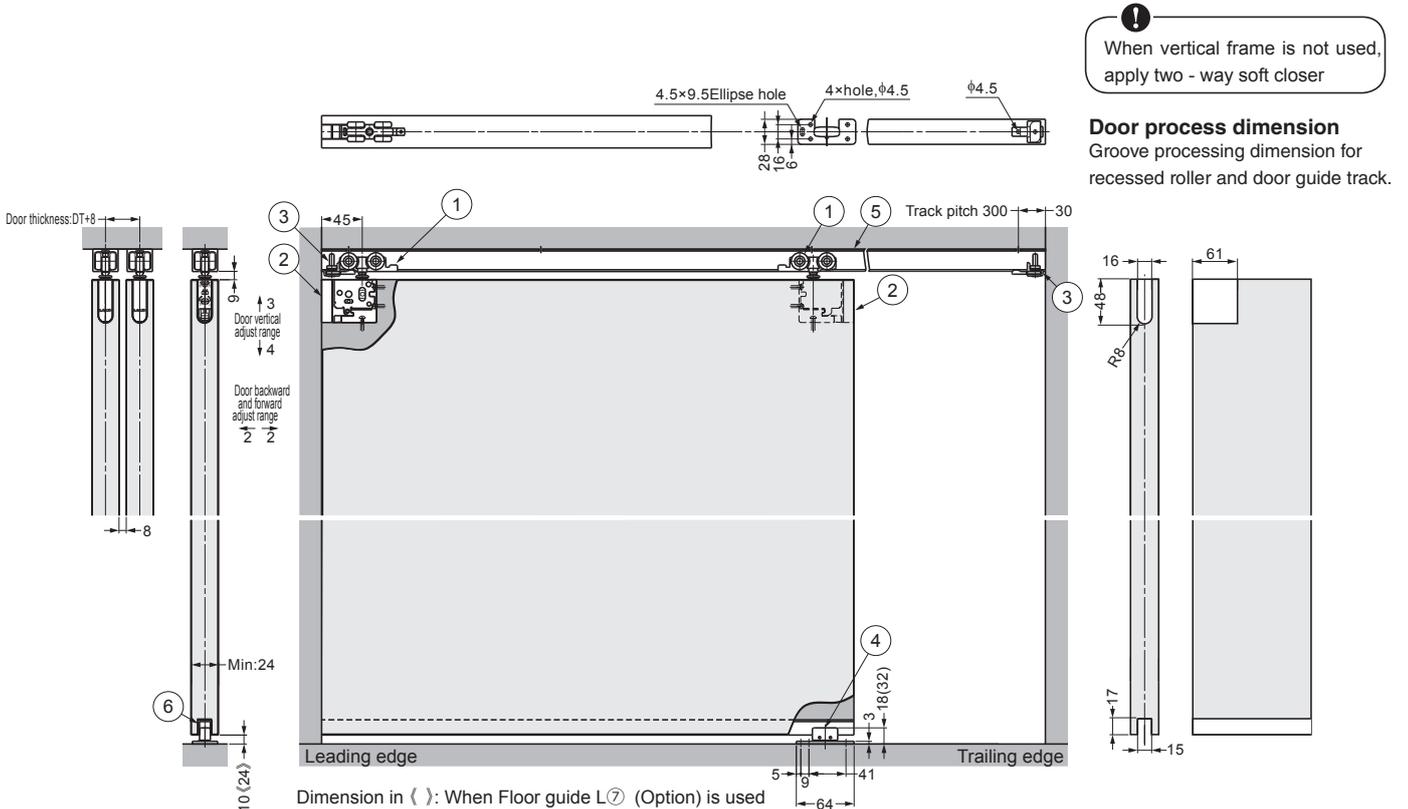
- ❗ Make sure to follow the designated dimensions, specifications, and horizontal/vertical angles. Make sure that the frame is not warped, since it may affect the movement of the door.
- ❗ If cutting any parts, make sure to remove any burrs before installation. Also check the upper track for any left-over burrs or scraps and remove these.
- ❗ This product is a part for architectural fittings. After installation, make sure to test the finished product thoroughly to ensure that it is well-functioning and safe. Please inform the end user about general precautions and safety to prevent improper use.
- ❗ 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	⑥
Name	Recessed roller	Cover cap	End stopper	Floor guide S	Upper track	Door guide track
Item No.	FD50-WRH	FD50-WRH-SCP	FD50-HTST	FD50-BG18	FD50-TRM	FD30-HBRT1500SIL
Item	 Accessory screw: Pan head tapping screw 3.8x40 3 pcs	 Thickness:12 mm		 Accessory screw: Bind head tapping screw 4x16 5 pcs	(various sizes)  Hole pitch : 300 mm Pitch end : 30 mm Accessory screw: Flat fillister pan head tapping screw 3.8x40	1500mm  Hole pitch : 250 mm Pitch end : 30 mm Recommended screw: Countersunk head tapping screw 4x20
Single sliding	 2 pcs	2 pcs	2 pcs	1 pc	1 pc	1 pc
Double sliding	 4 pcs	4 pcs	4 pcs	2 pcs	2 pcs	2 pcs
In line sliding	 4 pcs	4 pcs	4 pcs	2 pcs	1 pc	2 pcs

OPTIONAL PARTS	No	⑦	⑧
	Name	Floor guide L	Spanner
	Item No.	FD50-BG32	FD30-FSP
	Item	 Accessory screw: Pan head tapping screw 4x16 5 pcs	

INSTALLATION DRAWING (EXAMPLE)

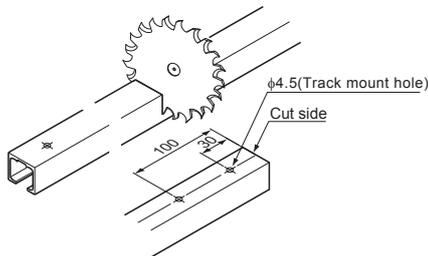


1 PREPARATION AND INSTALLATION

1. Cutting and drilling holes on upper track

Cut to suitable length. For cutting and drilling holes, refer to the illustration below.

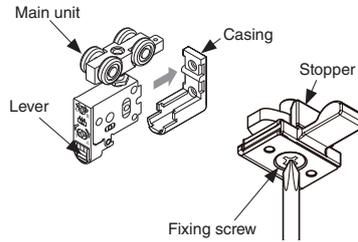
- ① When cutting, reinforce the track to prevent deformation at cut section.



When length from cut face to installation hole is more than 100 mm, provide 4.5 mm dia. hole at 30 mm from cut face.

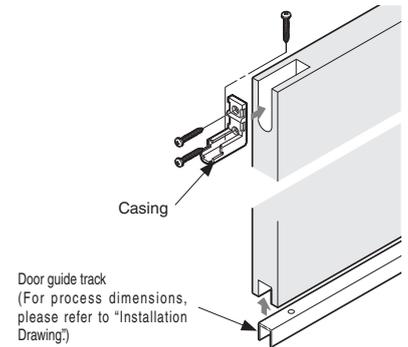
2. Preparation of mounting parts

Recessed roller. Pull up lever to separate main unit from casing.



3. Installing casing and door guide track

Firmly insert the casing into the pocket as shown, fasten it with the provided screws. Install the guide track under the door.

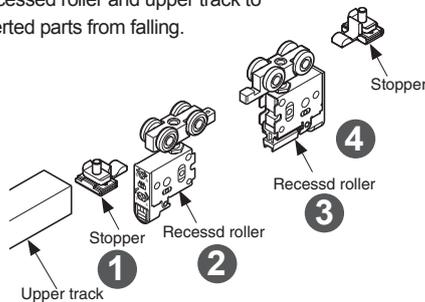


Door guide track
(For process dimensions, please refer to "Installation Drawing.")

4. Assembly of parts and installing upper track

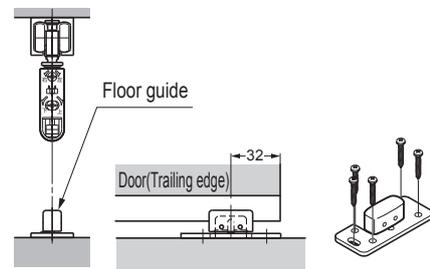
Assemble the parts in order from ① to ④ with care of direction.

- ① Tape around recessed roller and upper track to prevent the inserted parts from falling.



5. Floor guide

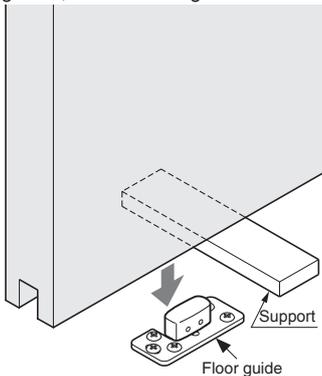
Install the floor guide so that it remains between the leading and trailing edges of the door when it is opened or closed.



2 HANGING THE DOOR AND ADJUSTMENT

1. Door installation (bottom)

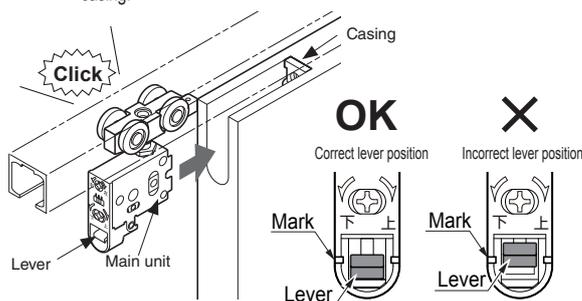
Put a 10 mm support under the door. Insert the floor guide in the groove, and then hang the door.



2. Door installation (top)

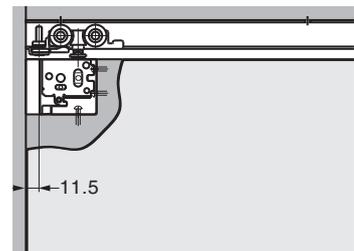
Insert recessed roller (main unit) into door side casing, and push in the lower end of the recessed roller until a "click" sound is heard. Confirm that the lever is positioned at the mark on the recessed roller (main unit), as shown.

- ① Ensure that the roller main unit is securely attached to the casing.



3. Fixing end stopper position

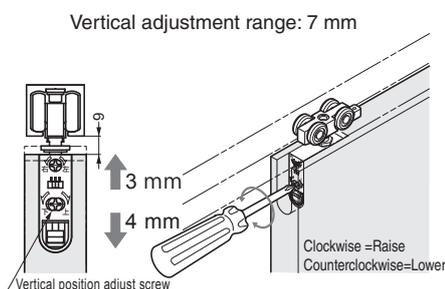
Install the parts so that the distance between the vertical frame and the center of the fixing screw becomes 11.5mm. No clearance is given between the door end grain and the vertical frame. If necessary, adjust the end stopper position.



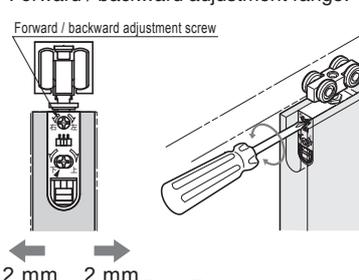
4. Adjusting door position

Adjust the door such that the door is parallel to the upper track with 6 - 13 mm clearance between the door and floor.

- ⊘ Do not turn the adjustment screw more than the adjustment range.
- ⊘ To avoid damage of the adjustment screw, do not use electric screwdriver.

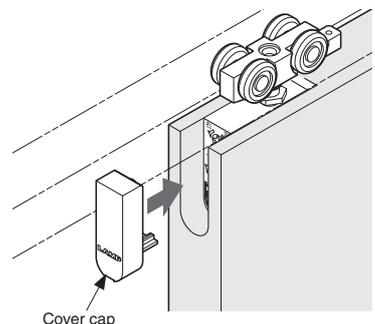


Forward / backward adjustment range: 4 mm



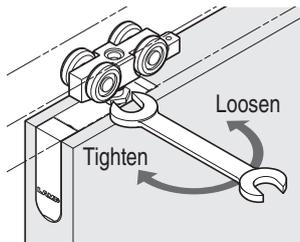
5. Installing cover cap

Push in cover cap between door end and recessed roller.



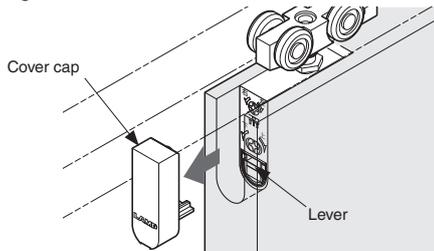
6. Fixing the jump prevention nut

With spanner 12, tighten the jump prevention nuts until they will contact to main unit.



When removing the door

Use a 10 mm support under the door. Remove cover cap, then pull out the recessed roller main unit from the door while raising the lever.



Final verification **Verify that all screws are securely tightened. And, verify that all screws have been used.**

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 contacts the floor.	Verify that the track fixing screws are not loosened. Then, adjust the door height such that the clearance between the door bottom and floor is 6 - 13 mm.
	Check if door touches adjacent parts.	Correct door position to avoid contact with other objects. Adjust position of floor guide or stopper.
Door does not move.	Check the track retaining screws for looseness.	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 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.

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

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

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

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