

# LAMP® FD50-H SLIDING DOOR SYSTEM Installation Manual

(Surface Mount Roller, Standard Sliding)

Part No.FD50HMP

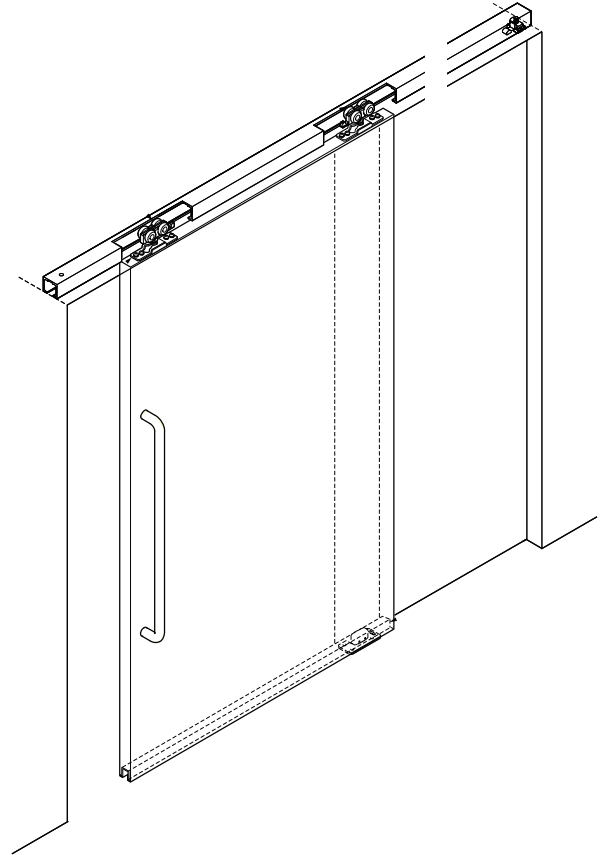
Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

## ABOUT THE PRODUCT

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

## SPECIFICATIONS

Door height	Max. 2400 mm	2401 - 2700mm
Door width	774 - 1500mm	800 - 1500mm
Min. Door thickness	30 mm	
Max. Door weight	50 kg / door	
Adjustable height range	± 4 mm	



## FOR YOUR SAFE WORK AND CORRECT INSTALLATION

### Meaning of symbols

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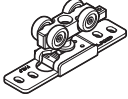

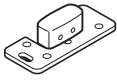
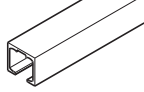




### **WARNING: If not followed, death or serious injury may result.**

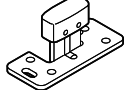

- ❗ This (sliding door system) should be installed by a qualified person. If the system is not installed correctly, the door will not operate smoothly, and may cause injury.
- ❗ It is necessary to manufacture the frame with sufficient strength so that it endures the weight of the door and any impact 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.
- ❗ 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).

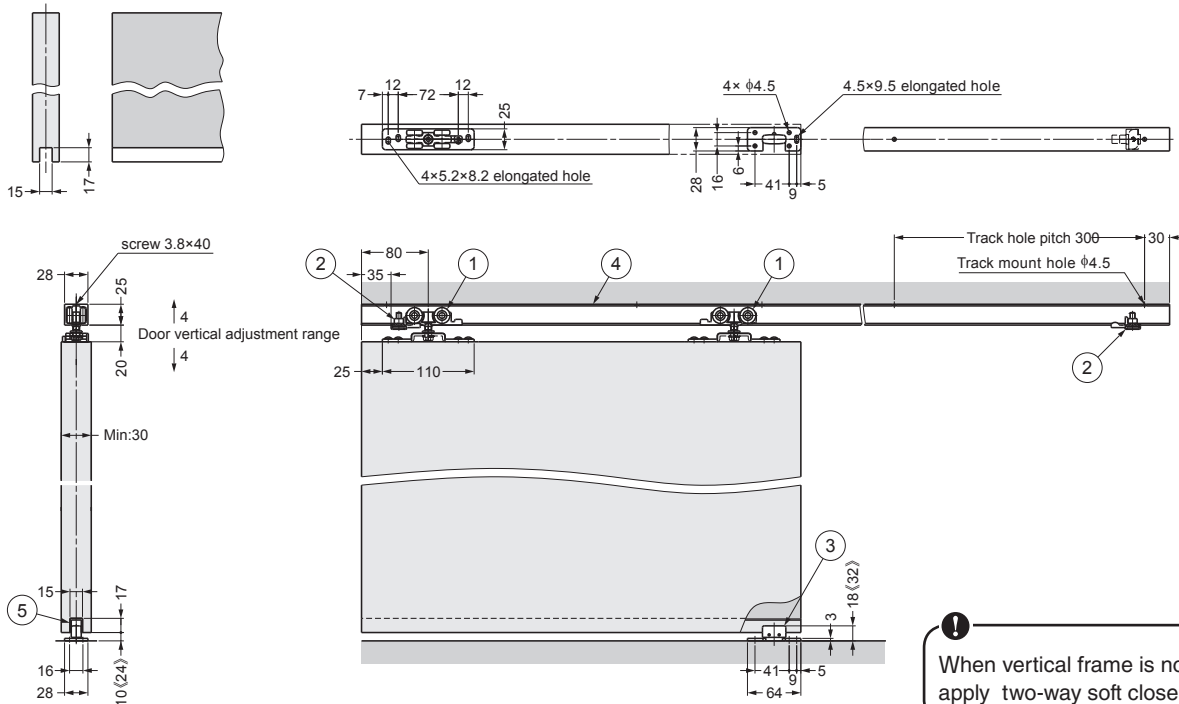
# COMPONENT PARTS

No.	①	②	③	④	⑤
Name	Upper Roller Surface Mount	End stopper	Floor guide S	Upper track	Door guide track
Item No.	FD50-WRM	FD50-HTST	FD50-BG18	FD50-TRM	FD30-HBRT1500SIL
Item	 Accessory screw: Pan head tapping screw 4x45 ..... 4 pcs		 Accessory screw: Bind head tapping screw 4x16 ..... 5 pcs	(various sizes)  Hole pitch : 300 mm Pitch end : 30 mm Accessory screw: Flat fillistar 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	1 pc	1 pc	1 pc
Double sliding	 4 pcs	4 pcs	2 pcs	2 pcs	2 pcs
In line sliding	 4 pcs	4 pcs	2 pcs	1 pc	2 pcs

OPTIONAL PARTS	No	⑥	⑦
	Name	Floor guide L	Spanner
	Item No.	FD50-BG32	FD50-BG32
	Item	 Accessory screw: Pan head tapping screw 4x16 ..... 5 pcs	

# INSTALLATION DRAWING (EXAMPLE)

Door process dimension



Dimension in ( ): When floor guide L⑥ (Option) is used.

When vertical frame is not used, apply two-way soft closer.

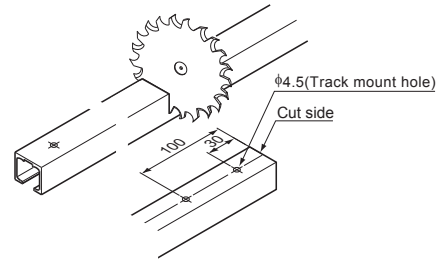
## 1 PREPARATION AND INSTALLATION

### 1. Cutting and drilling holes on upper track

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

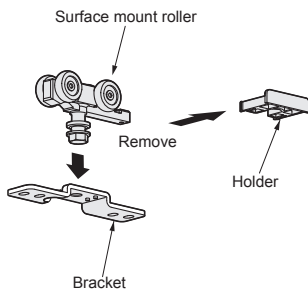
△ When cutting, reinforce the track to prevent deformation at cut section.

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



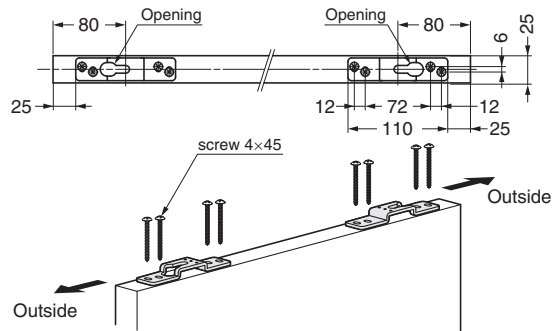
### 2. Installing Bracket

#### 1 Disassemble



#### 2 Fastening

1 Pay attention to setting the direction of the bracket. The open part of the bracket should face in the outside direction.

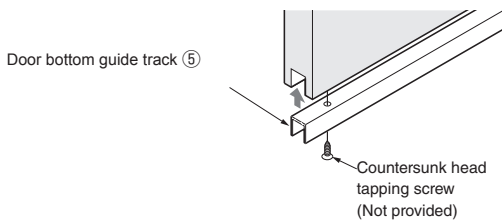


### 3. Installing door guide track

(1) Cut the track to the same length as the door width.

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

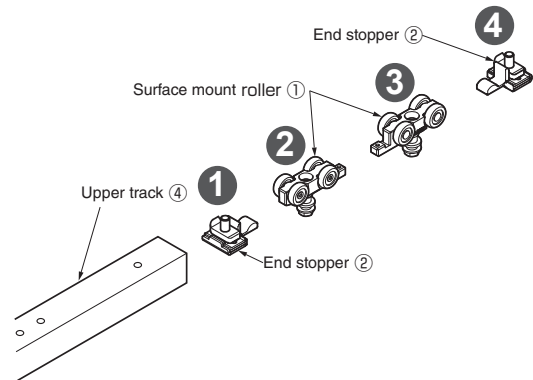
(2) Fasten the track with countersunk head tapping screws 4 × 16 (not provided)



### 4. Inserting Parts into Upper Track

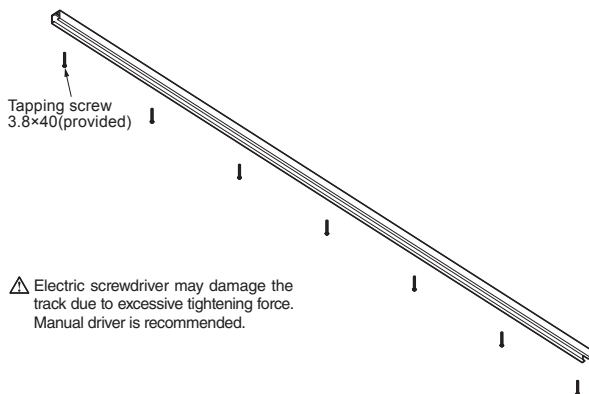
Assemble the parts in order from 1 to 4 with care of direction.

1 Fasten end stoppers temporarily to prevent the inserted parts from falling.



### 5. Installation of track

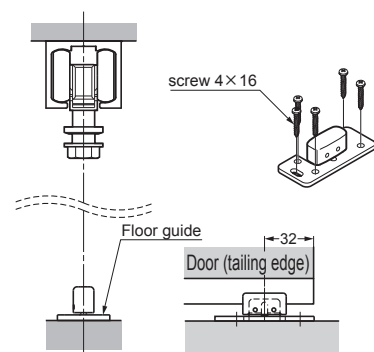
1 Remove any dirt or aluminum chips from the track.



### 6. Mounting Floor Guide

(1) Position floor guide just below the center of upper track.

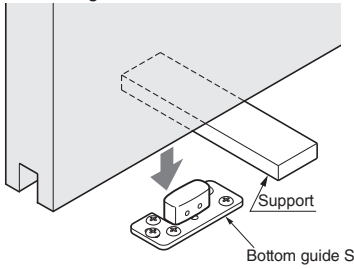
(2) Position the floor guide so that the floor guide stays under the door when it is opened or closed.



## 2 HANGING THE DOOR AND ADJUSTMENT

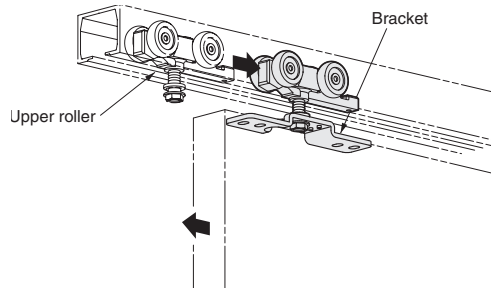
### 1. Hanging (Bottom part)

Put a 10 mm support under the door. While holding the door, insert the floor guide into the groove under the door.



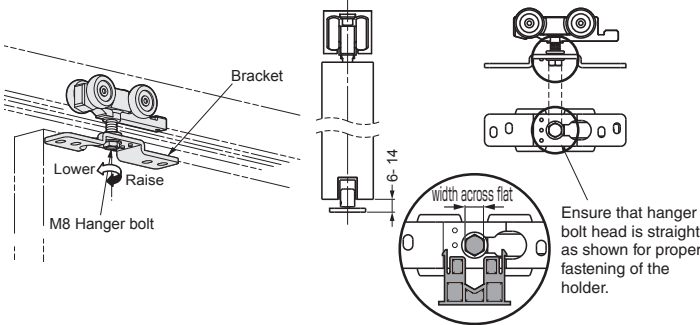
### 2. Hanging (Top part)

Insert the upper roller into the bracket as shown in the drawing below.



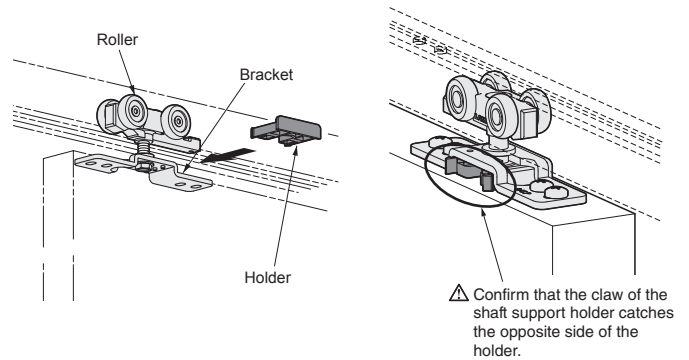
### 3. Adjustment of Door Height

- (1) Remove the 10 mm support under the door.
- (2) Adjust the door so that it is parallel to the upper track with 6- 14 mm of clearance between the door and floor.



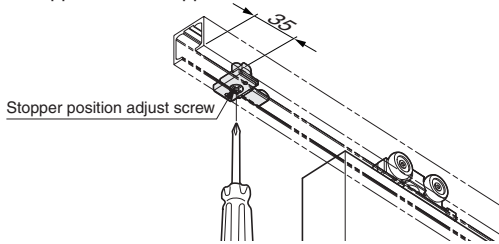
### 4. Installation of holder

Insert the holder as shown below.



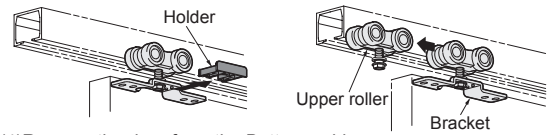
### 5. Fixing end stopper

Fix the end stopper to the right position. Set the end stopper in place as shown below. Then, fasten with the provided screw. Fasten the opposite end stopper in a similar manner



### HOW TO REMOVE DOOR

- (1) Put a support under the door.
- (2) Pull out the Holder.
- (3) Pull out the Upper roller from the Bracket.
- (4) Remove the door from the Bottom guide.



### 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 and lower gaps between the door and frame. If necessary, adjust the gaps.

## TROUBLESHOOTING

Trouble	Check Point	Solution
Abnormal noise during operation	Check track rollers for existence of dust or aluminum powder.	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 - 14 mm.
Door does not move.	Check the 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.

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