

# Installation Manual

## FD50-H SLIDING DOOR SYSTEM

### Surface Mount Roller Standard Sliding

LAMP®

Part No.  
F50-HMP

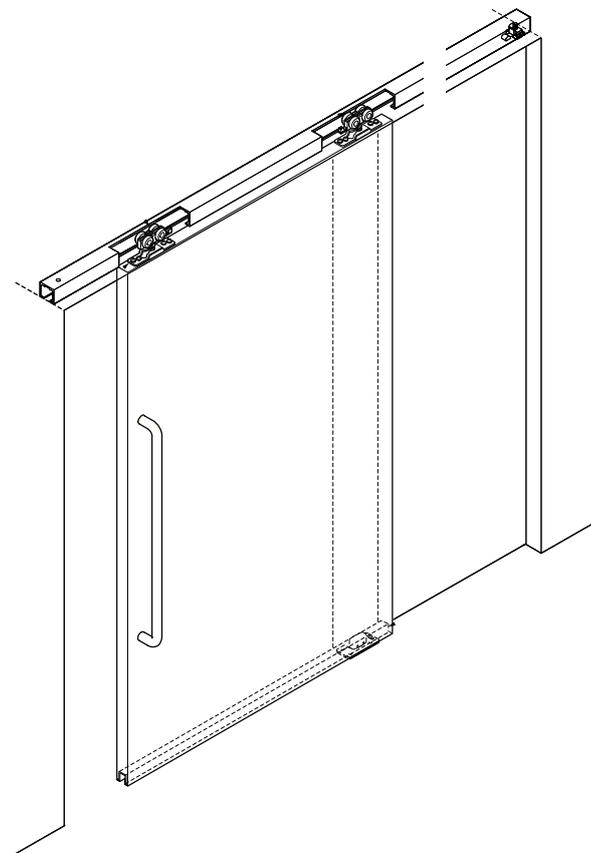
Thank you for using our product. Before installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

## ABOUT THE PRODUCT

- This product is a parts set for a sliding door system for residential & commercial use.
- The door can be installed without the use of tools.

## SPECIFICATIONS

Door height	Max. 2400 mm	2401– 2700 mm
Door width	774–1500 mm	800– 1500 mm
Min. Door thickness	30 mm	
Max. Door weight	50 kg / door	
Vertical adjustment	± 4 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.



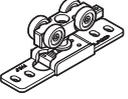
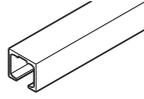
- Do not use this product for any other purpose, or with doors that are outside the specifications of this manual.
- Do not disassemble or modify any parts other than those described in this document.

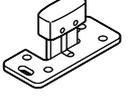
### Caution: If not followed, injury or damage may result.



- 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 2 people (in the case of 1 person, there is a risk of damaging components).

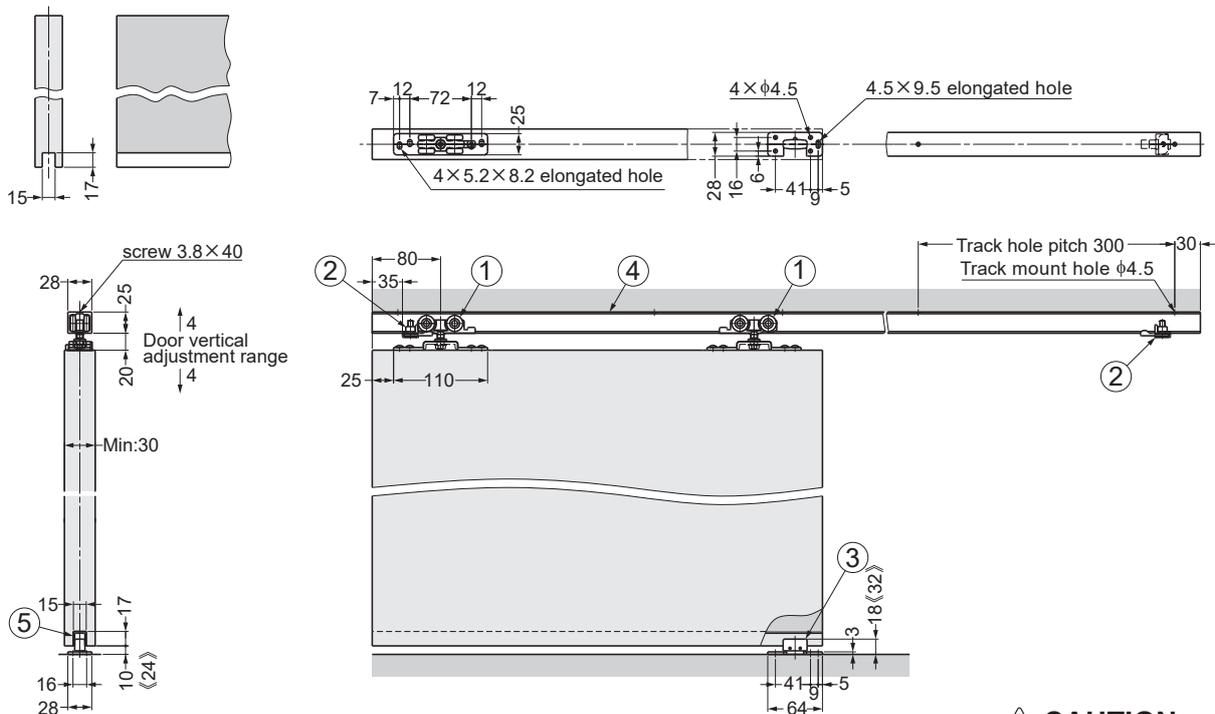
# COMPONENT PARTS

No.	①	②	③	④	⑤
Name	Surface Mount Roller	End stopper	Floor guide S	Upper track (Surface Mount)	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	FD30-FSP
	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.

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

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

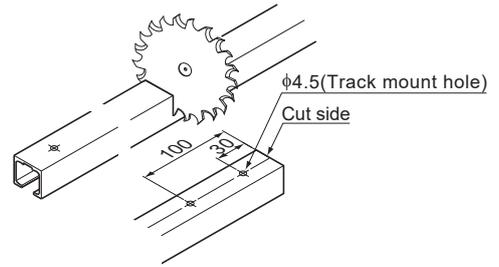
## 1 Preparation and Installation

### 1. Cutting and Hole Drilling on upper track

#### ⚠ CAUTION

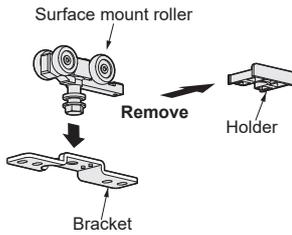
- ❶ When cutting reinforce the track to prevent deformation at the cut section.
- ❷ Remove any dirt or aluminum chips from the track.

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



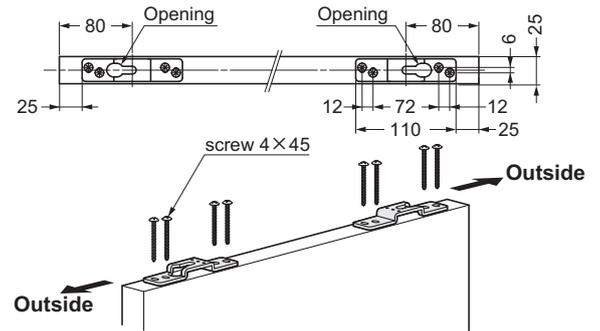
### 2. Installing Bracket

#### ❶ Disassemble



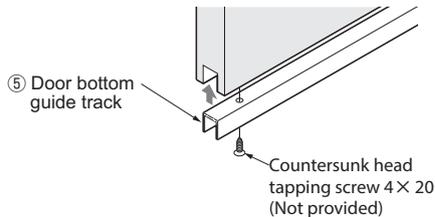
#### ❷ Fastening

- ❶ 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

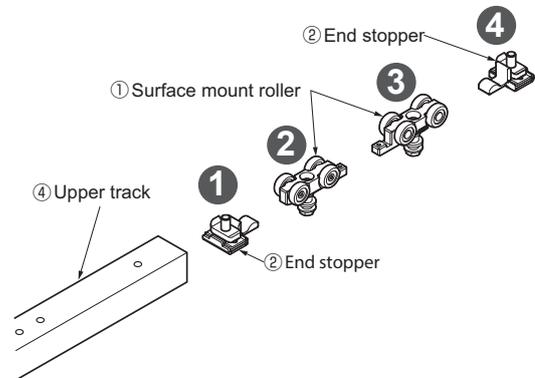
- [1] Cut the track to the same length as the door width.
- ❶ When cutting, reinforce the track to prevent deformation at the cut section.
- [2] Fasten the track with countersunk head tapping screws 4 × 20 (not provided)



### 4. Inserting Parts into Upper Track

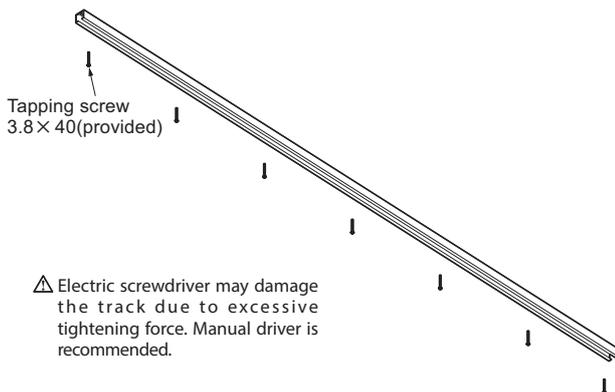
Assemble the parts in order from ❶ to ❷ with care of direction.

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



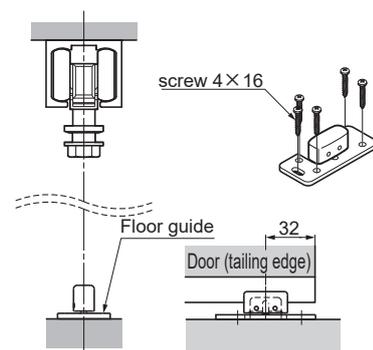
### 5. Mounting of Upper Track

- ❶ Remove any dirt or aluminum chips from the track.



### 6. Mounting of Floor Guide

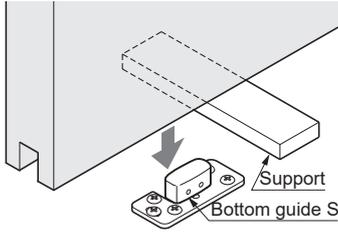
- [1] Position floor guide just below the center of the upper track.
- [2] Position the floor guide so that the protruding part stays under the door when it is opened or closed.



## 2 Hanging the Door and Adjustment

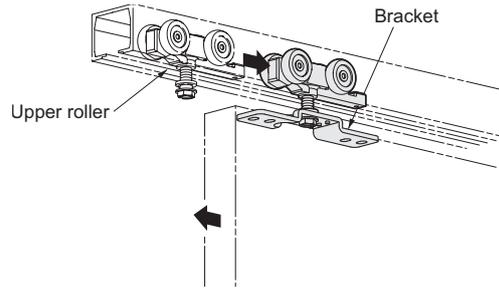
### [1] Hanging (Bottom part)

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



### [2] Hanging (Top part)

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

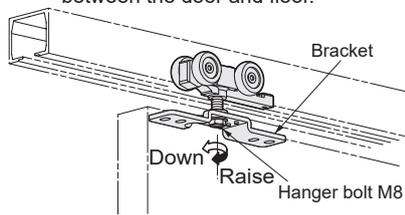


### [3] Adjustment of Door Height

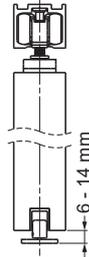
#### 1 Adjustment of door height

[1] Adjusting the Door Position Remove the 10 mm support under the door.

[2] Adjust the door parallel to the upper track with 6 - 14 mm of clearance between the door and floor.

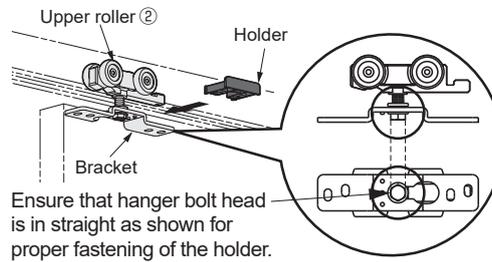


Vertical adjustment range: 8 mm

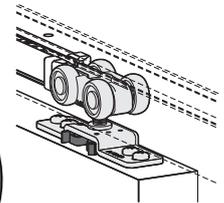


#### 2 Inserting holder

**CAUTION**  
Do not turn adjustment screw more than adjustment range.

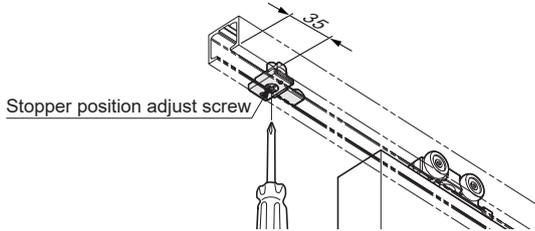


#### 3 Verification of holder



### [4] Fixing end stopper

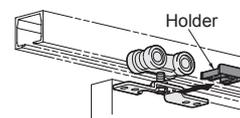
Fix the end stopper to the right position. Set the end stopper in place as shown below. Then, fasten with the provided screw. Fasten the opposite end stopper in a similar manner



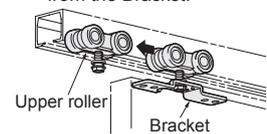
### HOW TO REMOVE DOOR

(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 the inside of the track.  
· Check the upper and lower space of the door. If necessary, correct the space.

## TROUBLESHOOTING

Trouble	Check Point	Solution
Abnormal noise during operation	Check track rollers for ealuminum dust.	Remove the track, then pull out and 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 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 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.

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