

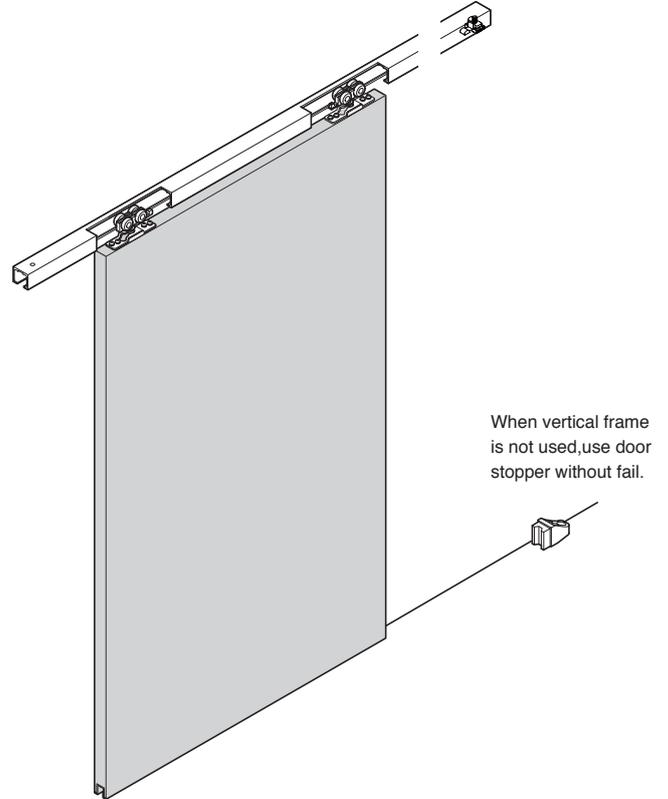
Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

**ABOUT THE PRODUCT**

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

**SPECIFICATIONS**

Max.Door width	1500mm
Max.Door height	2400mm
Min.Door thickness	30mm
Max.Door weight	50kg / door
Height adjustable range	4mm upward, 4mm downward



**FOR YOUR SAFETY WORK AND OPERATION**

- ⊘ This symbol denotes prohibited action.
- ⚠ This symbol denotes what must be done.

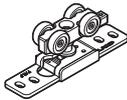
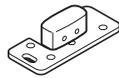
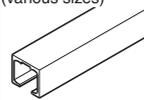
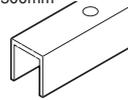
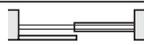
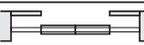
**⚠ WARNING: If these warnings are not followed, it may result in death or serious injury.**

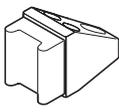
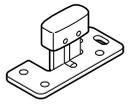
- ⚠ This (sliding door system) should be installed by an experienced person who has correct knowledge. If the system is not installed correctly, the door will not operate smoothly, and or may cause injury.
- ⚠ It is necessary to manufacture the frame with sufficient strength so it endures the weight 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 rail 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).

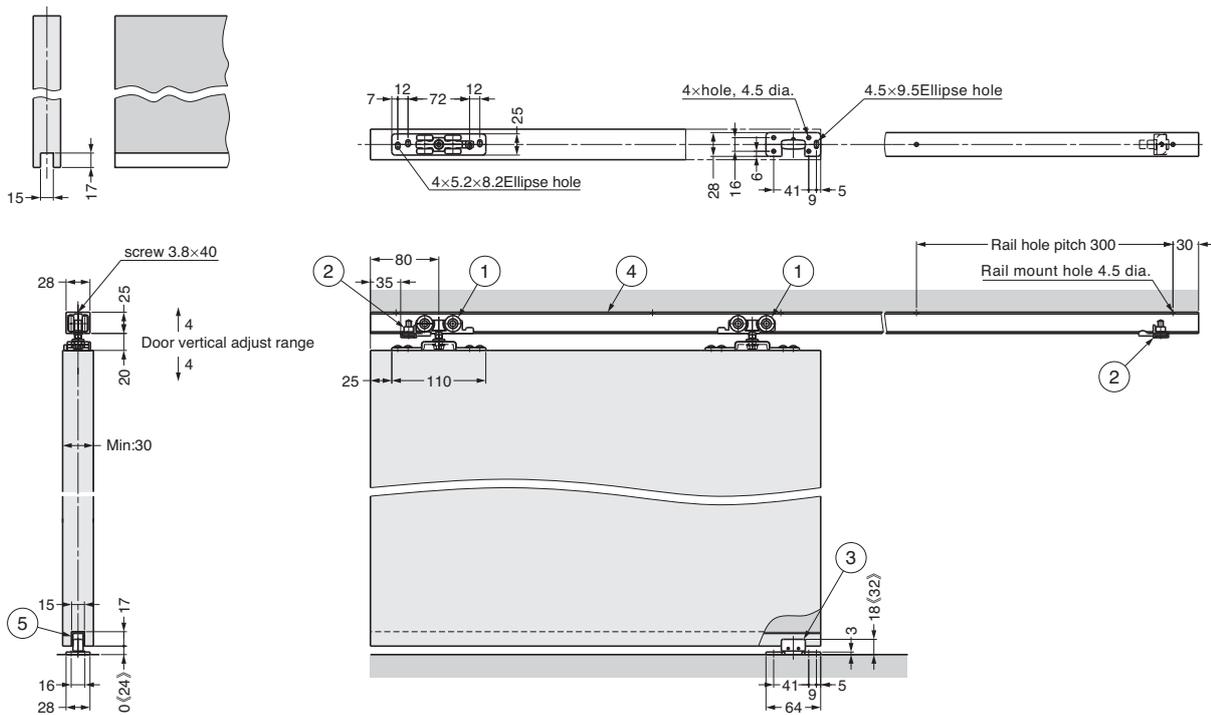
# COMPONENT PARTS

No	①	②	③	④	⑤
Name	Upper Roller Surface Mount	Upper stopper	Floor guide S	Upper rail	Door bottom guide rail
Item No.	FD50-WRM	FD50-HTST	FD50-BG18	FD50-TRM	FD30-HBRT1500SIL
Item	 Accessory screw: Pan head tapping screw 4x45 ..... 4pcs	 Accessory screw: Bind head tapping screw 4x16 ..... 5pcs	 Accessory screw: Bind head tapping screw 4x16 ..... 5pcs	(various sizes)  Hole pitch : 300mm Pitch end : 30mm Accessory screw: Pan head tapping screw 3.8x40	1500mm  Hole pitch : 250mm Pitch end : 30mm Recommended screw: Countersunk head tapping screw 4x20
Single sliding		2pcs	2pcs	1pc	1pc
Double sliding		4pcs	4pcs	2pcs	2pcs
In line sliding		4pcs	4pcs	2pcs	2pcs

OPTIONAL PARTS	No	⑥	⑦	⑧
	Name	Door stopper (floor)	Floor guide L	Spanner
	Item No.	FD30-HTKY	FD50-BG32	FD30-FSP
	Item	 Accessory screw: Bind head tapping screw 4x30 ..... 3pcs	 Accessory screw: Pan head tapping screw 4x16 ..... 5pcs	

# INSTALLATION DRAWING (EXAMPLE)

## Door process dimension



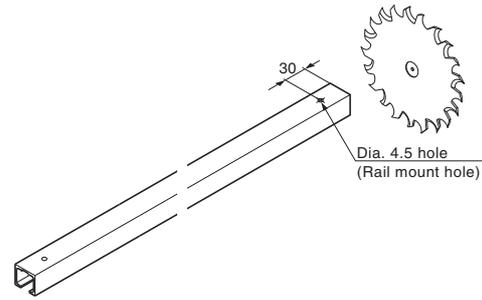
Dimension in ( ): When Floor guide L (Option) is used.

## 1 PREPARATION AND INSTALLATION

### 1. Cutting upper rail and hole processing

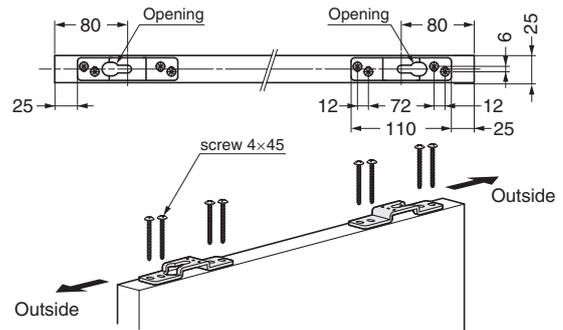
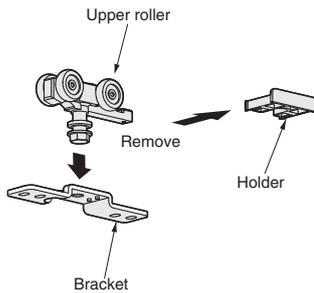
Cut the rail to necessary length. Refer to the figure on the right for cutting and drilling holes.

⚠ Chips or dirt left inside the rail may stick to the rollers creating a rumbling noise when the door is moved. Remove any chips or dirt from inside the rail after cutting & hole processing.



### 2. INSTALLING HOLDER

Remove upper roller holder and shaft fixing holder. Fix the upper roller bracket with attached screws.

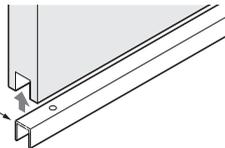


⚠ Pay attention on setting direction of the bracket. Opening part of the bracket should face to outside direction.

### 3. INSTALLATION OF DOOR BOTTOM GUIDE RAIL

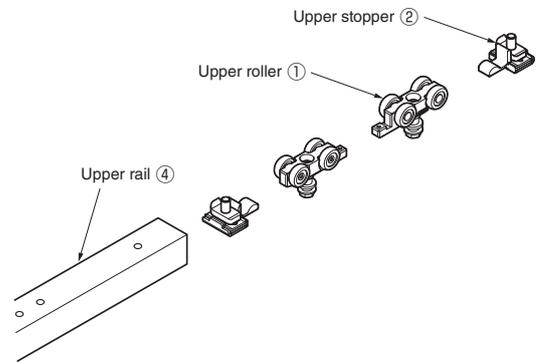
Cut door bottom guide rail with same length of door. Firmly insert the guide rail into notch at bottom of door. And, fix it with screws 4x16 (to be prepared separately).

Door bottom guide rail ⑤ (for dimensions, refer to "INSTALLATION DRAWING")



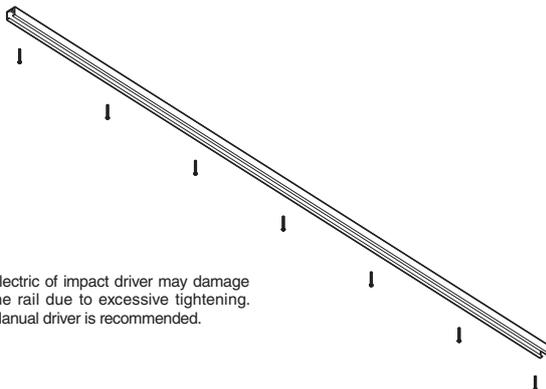
### 4. INSTALLATION OF UPPER ROLLER AND UPPER STOPPER

Assemble the upper roller and upper stopper to the upper rail as shown in the figure below. Retain assembled parts with adhesive tape.



### 5. Installation of rail

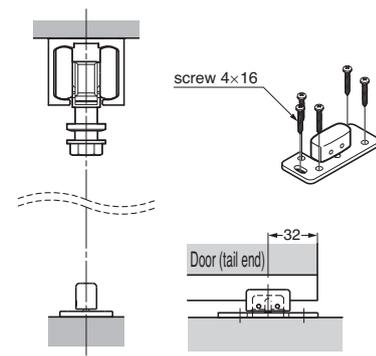
Fix the upper rail using Phillips head tapping screw (Phillips flat head tapping screw) 3.8x40.



⚠ Electric of impact driver may damage the rail due to excessive tightening. Manual driver is recommended.

### 6. INSTALLATION OF FLOOR GUIDE

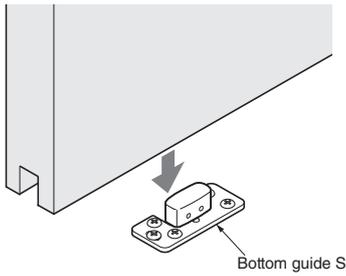
Install the bottom guide so that it remains between the leading and trailing edges of the door when it is opened or closed.



## 2 HANGING THE DOOR AND ADJUSTMENT

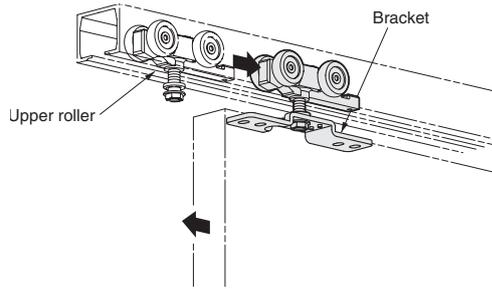
### 1. DOOR INSTALLATION (BOTTOM)

Insert the bottom guide in the groove, and then hang the door in the bracket.



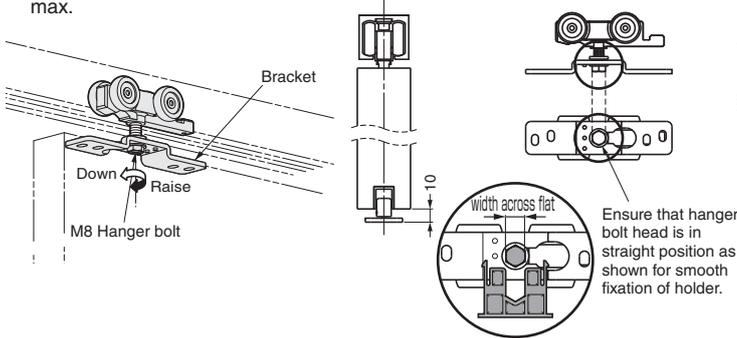
### 2. DOOR INSTALLATION (UPPER)

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



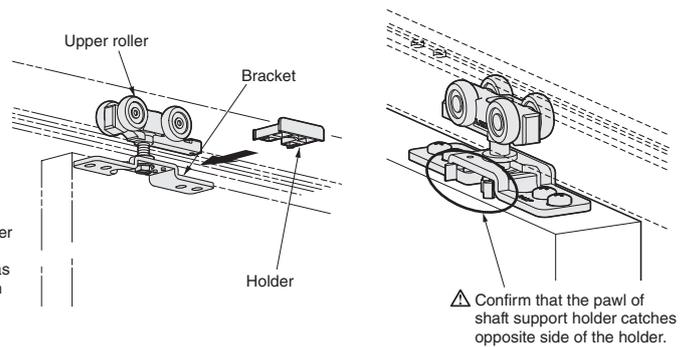
### 3. ADJUSTMENT OF DOOR HEIGHT

To adjust the door height turn the upper roller M8 hanger bolt with the spanner (nominal designation 10, accessory tool). Up 4mm and Down 4mm max.



### 4. INSTALLATION OF HOLDER

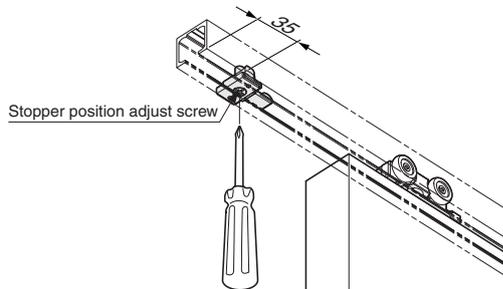
Insert the holder as shown below.



### 5. Fixing upper stopper

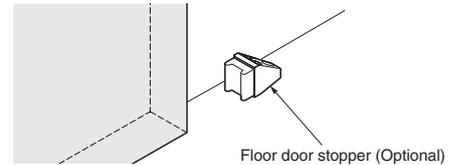
Fix the upper stopper to the right position. Set the upper stopper to the place where it is contacted to the upper roller at end point of movement. Tighten the fix screw with Phillips head driver #2.

For opposite end stopper, fix it with similar manners.



### INSTALLING DOOR STOPPER (FLOOR)

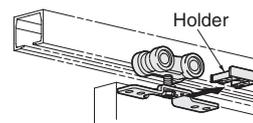
Make sure to install the Door stopper (floor) when vertical frame is not used.



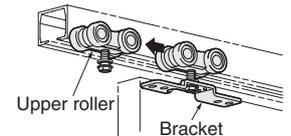
### HOW TO REMOVE DOOR

(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.

## TROUBLESHOOTING

Trouble	Check Point	Remedy
	Check rail rollers for existence of dust or aluminum powder.	Remove the rail and pull out the roller. Then, clean the roller.
	Check for loose screws retaining the upper rail.	Tighten the screw.
Heavy door operation	Check if door is warped.	Use the door without warp.
Door does not move.	Check rail retaining screws for looseness.	Tighten the screw.
Door starts to move.	Check the upper rail if it is set horizontally.	Using a level gauge, reset upper rail horizontally.

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