

LAMP® FD50-H SLIDING DOOR SYSTEM Installation Manual

(For Mortised, Drop or False Ceiling, with Surface Mount Rollers - with Dual Soft Close)

Part No.FD50DHCMP

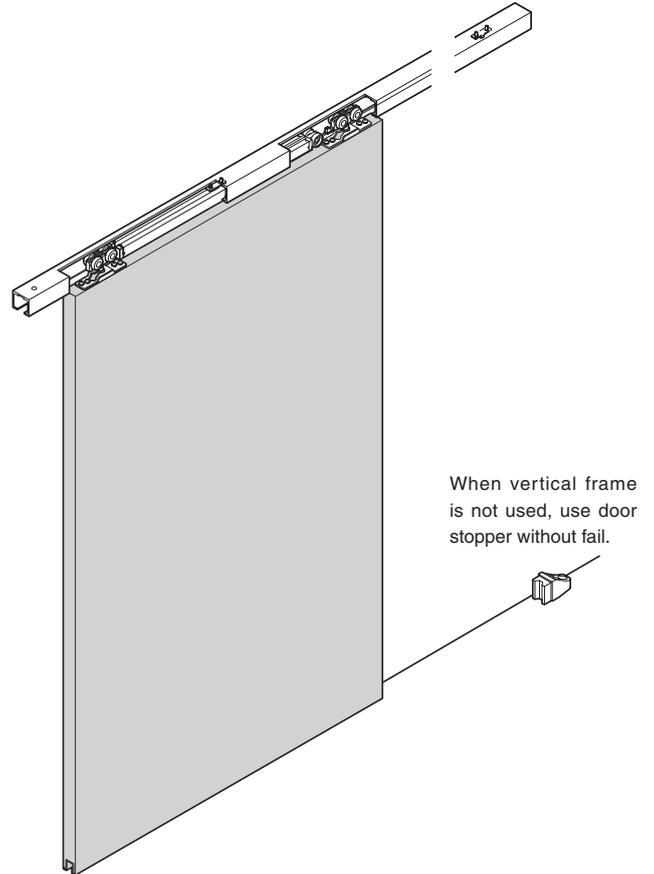
Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

- Dual soft closer enables two-way soft closing motion for both direction.
- Easy door installation and adjustment.

SPECIFICATIONS

Max.Door width	774 ~ 1500mm
Max.Door height	2400mm
Min.Door thickness	30mm
Max.Door weight	50kg
Height adjustable range	4mm upward, 4mm downward



FOR YOUR SAFETY WORK AND OPERATION

Meaning of symbols

Warning Caution	Prohibited	Required
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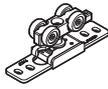
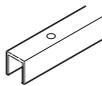
WARNING: If these warnings are not followed, it may result in death or serious injury.

- ⚠ 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 track 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 nails for slack at regular intervals (one month from first usage, half year and then one time every year is recommended).

COMPONENT PARTS

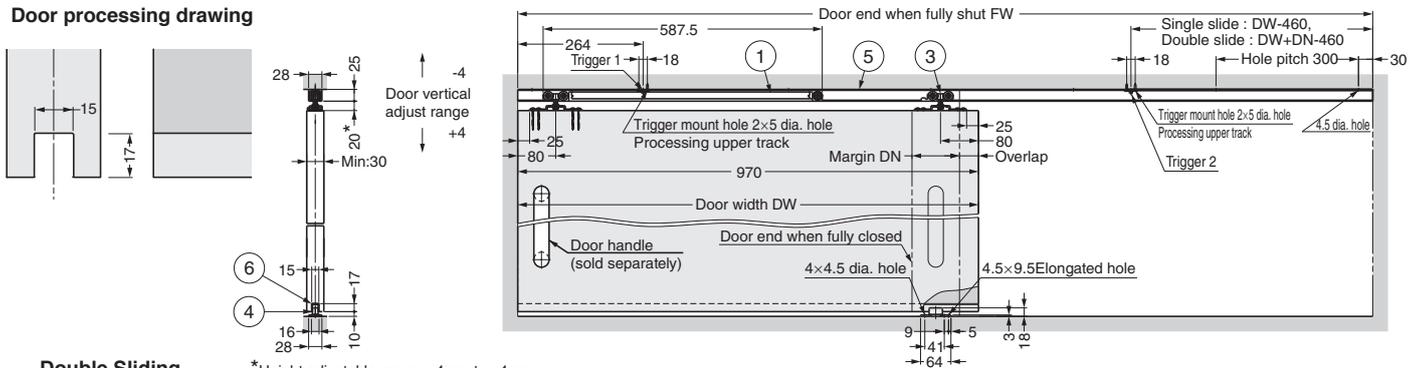
No.	①	②	③	④	⑤	⑥		
Name	Dual soft closer (surface mount)	Trigger	Mount-jig for Trigger	Upper roller (surface mount)	Bottom guide S	Upper track	Door bottom guide track	Stopper block (sold separately)
Item No.	FD50-WRM-DSC	FD50-TRG	FD50-TRJ	FD50-WRM	FD50-BG18	FD50-TRM series	FD30-HBRT1500SIL	FD50-HSB
Item	 Accessory screw: Pan head tapping screw 4x45 4pcs	 Accessory screw: Countersunk head tapping screw 4x30 4pcs		 Accessory screw: Pan head tapping screw 4x45 4pcs	 Accessory screw: Binding head tapping screw 4x16 5pcs	 Various sizes Hole pitch :300mm Pitch end :30mm Accessory screw: Flat fillister pan head tapping screw 3.8x40	 1500mm Hole pitch :250mm Pitch end :30mm	
Single sliding	1pc	2pcs	1pc	1pc	1pc	1pc	1pc	—
Double sliding	2pcs	4pcs	2pcs	2pcs	2pcs	2pcs	2pcs	2pcs ★
In line sliding	2pcs	4pcs	2pcs	2pcs	2pcs	1pc	2pcs	2pcs

No	⑦	⑧
Name	Door stopper (floor)	Bottom guide L
Item No.	FD30-HTKY	FD50-BG32
Item	 *Needed when vertical frame is not use. Accessory screw: Bind head tapping screw 4x30 3pcs	 *This is used when larger space below the door is required. Accessory screw: Binding head tapping screw 4x16 5pcs

★ Required when using handles on the door.

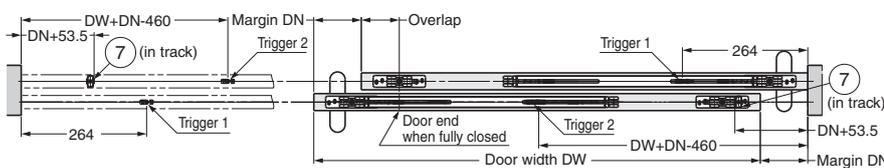
INSTALLATION DRAWING (EXAMPLE)

Door processing drawing

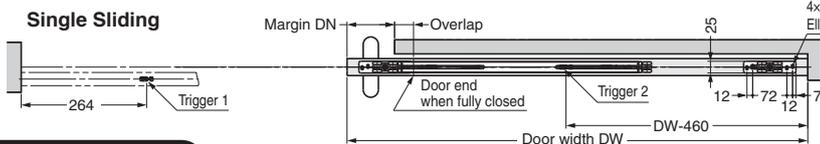


Double Sliding

* Height adjustable range : -4mm to +4mm



Single Sliding



INSTALLATION DIMENSIONS FOR TRIGGER 2

* Please add the Margin DN to dimension for Trigger 2, if you are using a protruding handle. Example shown below.

DW	[Margin DN=0mm] Installation dimension for Trigger 2	Example [Margin DN=70mm] DW-460+DN is the Installation dimension for Trigger 2
1,000	540	610
1,100	640	710
1,200	740	810
1,300	840	910
1,400	940	1,010
1,500	1,040	1,110

ASSEMBLY

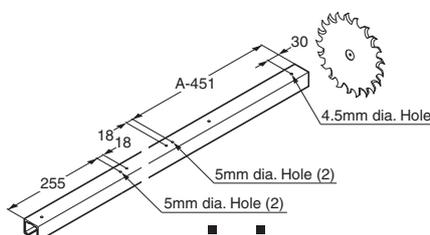
(This manual explains assembly of single side sliding door system.)

1 PREPARATION AND INSTALLATION

1. Cutting upper track and hole processing

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

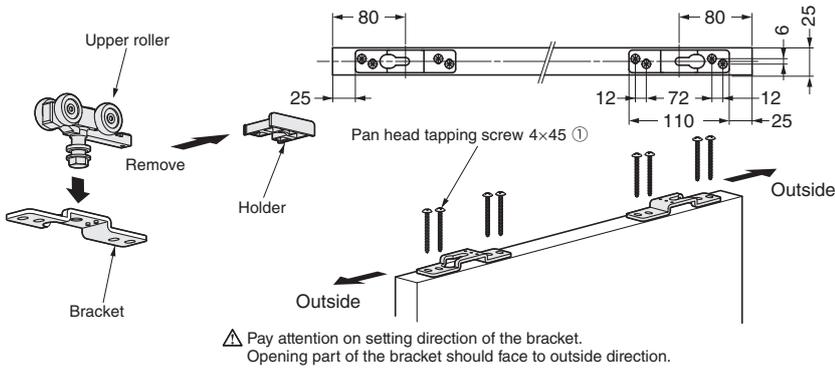
⚠ Chips or dirt left inside the track may stick to the rollers creating a rumbling noise when the door is moved. Remove any chips or dirt from inside the track after cutting & hole processing.



Dimension DW: For detail, refer to Installation Drawing (Example)

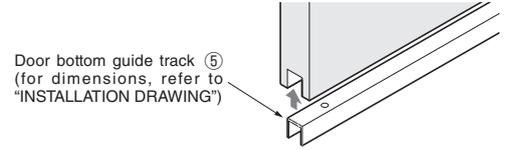
2. INSTALLING HOLDER

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

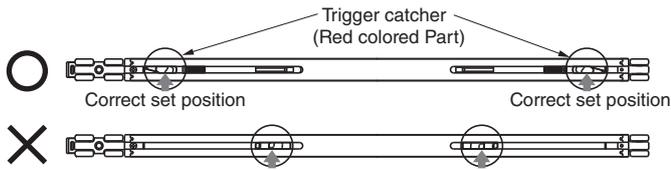


3. INSTALLATION OF DOOR BOTTOM GUIDE TRACK

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



4. CONFIRMATION BEFORE INSTALLING THE DUAL SOFT CLOSER

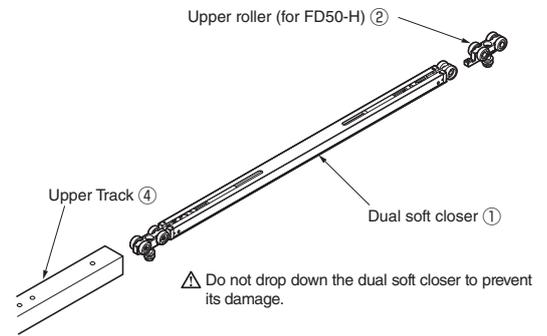


If the position is wrong, pull back the trigger catcher to the correct position using 6mm diameter round hard bar.

⚠ If the closer is installed without conformation, it will cause the trouble such as no-sliding of door.

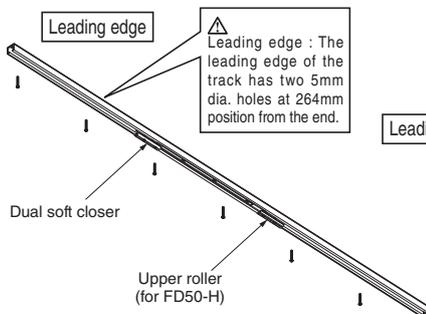
5. ASSEMBLY OF PARTS FOR TRACK

First slide the dual soft closer in upper track towards the leading edge of the door, then slide the upper roller (FD50-WRM) which would be towards the trailing edge of the door.



6. MOUNTING OF UPPER TRACK

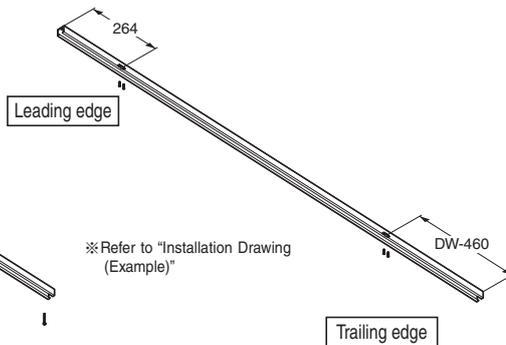
Confirm that leading edge of the upper track is in same direction as the leading edge of the door. Fix the upper track using Flat fillister pan head tapping screws 3.8x40.



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

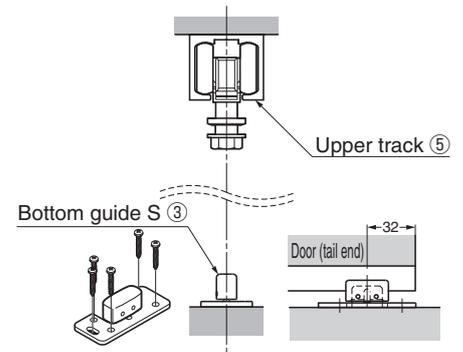
7. INSTALLATION OF TRIGGER

According to "Installation Drawing (Example)", install triggers with attached Countersunk head tapping screw 4x30 (head diameter of 6mm).



8. INSTALLATION BOTTOM GUIDE S

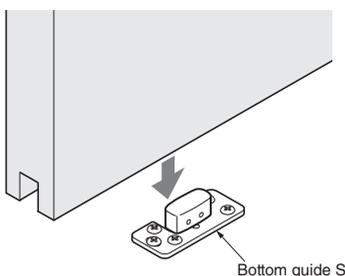
Install the bottom guide so that it remains between the leading and trailing edges of the door when it is opened or closed.



2 HANGING THE DOOR AND ADJUSTMENT

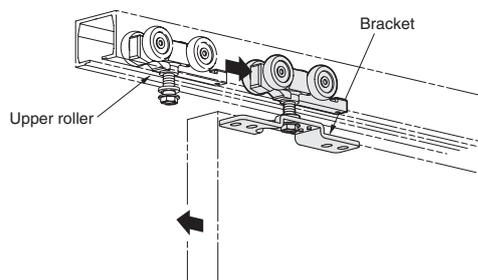
1. DOOR INSTALLATION (BOTTOM)

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



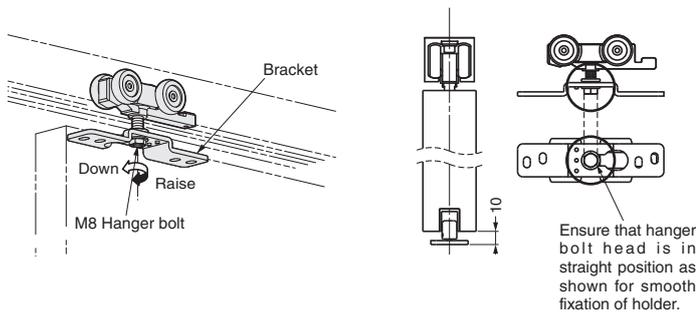
2. DOOR INSTALLATION (UPPER)

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



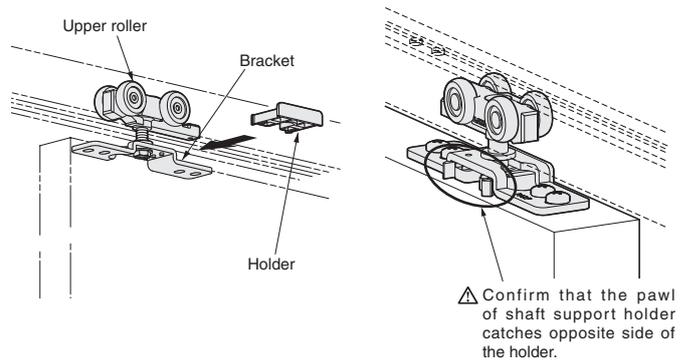
3. ADJUSTMENT OF DOOR HEIGHT

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.



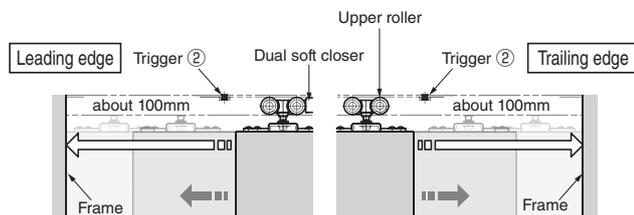
4. INSTALLATION OF HOLDER

Insert the holder as shown below.



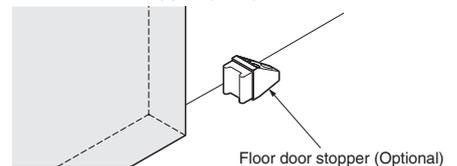
5. CONFIRMING DUAL SOFT CLOSER OPERATION

Open & close the door slowly to confirm the operation of dual soft closer. If door operation is not correct, refer to "Troubleshooting" below.



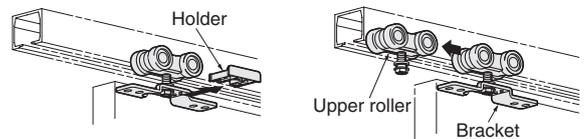
■ INSTALLING DOOR STOPPER (FLOOR)

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
Door stops during soft closing	Check if door bottom contacts with floor.	Confirm that track fixing screws are not loosened. Then, adjust door height such that clearance between door bottom and floor becomes 10 mm.
No soft closing	Check if door stops before door stopper. Check if trigger is installed.	Close the door completely. This will reset the function. Install the trigger to correct position.
Abnormal noise during operation	Check if door contacts to other parts.	Provide necessary space between door and adjacent objects.
	Check inside of upper track for existence of foreign matter such as aluminum dust.	Remove dust or foreign matter.
	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 contacts to adjacent parts.	Correct door position to avoid contact to other objects. Adjust position of lower guide or stopper.
	Check if door is warped.	Use the door without warp.
Door does not move.	Check track retaining screws for looseness.	Roller touches with screw. Retighten screws to free the roller.
Door starts to move.	Check the upper track if it is set horizontally.	Using a level gauge, reset upper track horizontally.

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