

LAMP® FD80-H SLIDING DOOR SYSTEM Installation Manual (Two-Way Soft Close, Surface Mount Roller)

Part No.FD80DHCMP

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.

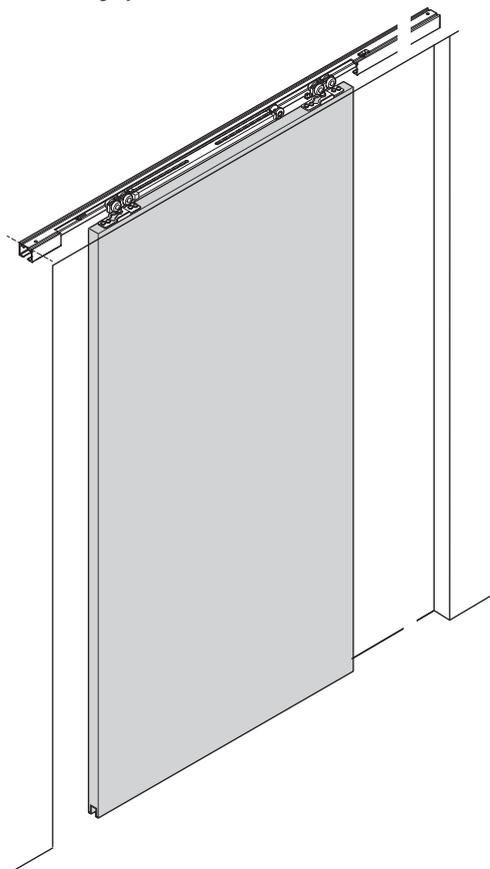
ABOUT THE PRODUCT

- This product is a parts set for heavy duty sliding door system for indoor use.
- Built in soft closer enables two-way soft closing movement for both direction.

SPECIFICATIONS

Door width	784 mm – 1500 mm
Max.Door height	2500 mm
Min.Door thickness	30 mm
Max.Door weight	80 kg
Height adjustable range	4 mm upward, 4 mm downward

- The closing speed of the soft closing type door may change due to ambient temperature, operating method or installation quality.
- Recommended ambient temperature range is 5 to 40 degrees centigrade.



FOR YOUR SAFE WORK AND CORRECT INSTALLATION

Meaning of symbols

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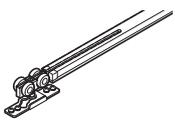
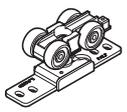
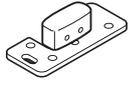
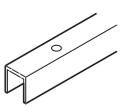
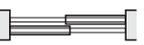
WARNING: If these warnings are not followed, it may result in death or serious injury.

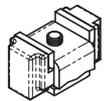
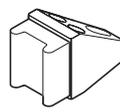
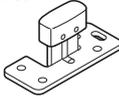
- ❗ This (sliding door system) should be installed by an experienced person who has correct knowledge. If the system is not installed correctly, the door will not operate smoothly, and or may cause injury.
- ❗ It is necessary to manufacture the frame with sufficient strength so it endures the weight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

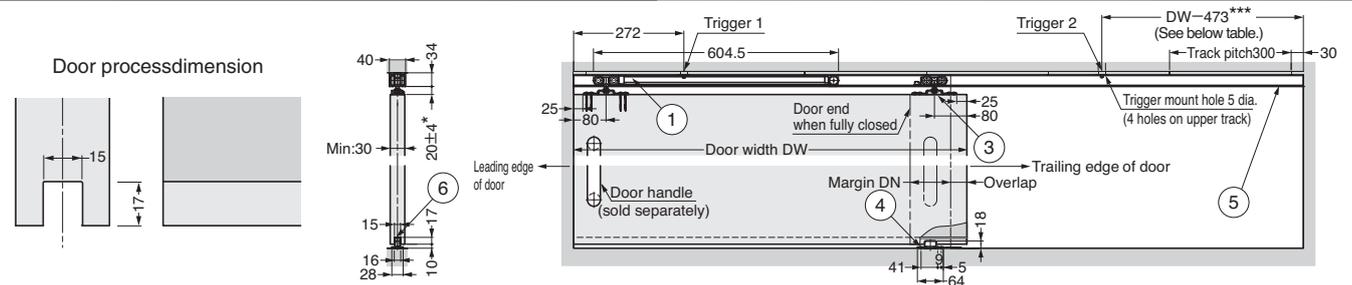
- ❗ Make sure to follow the designated measurements and specifications as well as horizontal and verticals angles. Make sure that the frame is not warped, since it may affect the movement of the door.
- ❗ If cutting any parts, make sure to remove any burr before installation. Also check the upper track 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 screws for slack at regular intervals (one month from first usage, half year and then one time every year is recommended).

COMPONENT PARTS

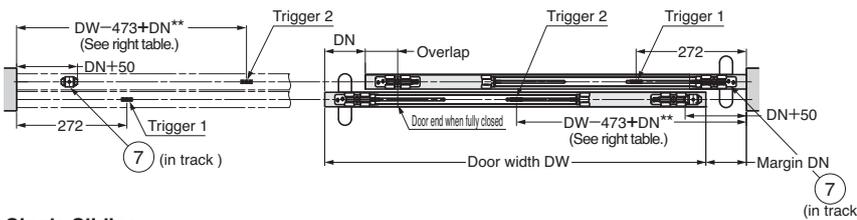
No.	①	②	③	④	⑤	⑥
Name	Two-way soft closer (surface mount)	Trigger	Upper roller (surface mount)	Floor guide S	Upper track	Door bottom guide track
Item No.	FD80-WRM-DSC		FD80-WRM	FD50-BG18	FD80-TRM series	FD30-HBRT1500SIL
Item	 Accessory screw: Pan head tapping screw 4x45 4pcs	 Accessory screw: Countersunk head tapping screw 4x30(φ6head) · 4pcs	 Accessory screw: Pan head tapping screw 4x45 4pcs	 Accessory screw: Bind head tapping screw 4x16 5pcs	(Various sizes) Hole pitch :250 mm Pitch end :30 mm  Accessory screw: Pan head tapping screw 5x40	1500mm Hole pitch :250 mm Pitch end :30 mm 
Single sliding	 1pc	2pcs	1pc	1pc	1pc	1pc
Double sliding	 2pcs	4pcs	2pcs	2pcs	2pcs	2pcs
In line sliding	 2pcs	4pcs	2pcs	2pcs	2pcs	2pcs

No.	⑦	⑧	⑨	⑩
Name	Stopper block (sold separately)	Door stopper (floor)	Floor guide L	Spanner
Item No.	FD80-HSB	FD30-HTKY	FD50-BG32	FD30-FSP
Item	This is used in the upper track. 	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: Bind head tapping screw 4x16 5pcs	 Nominal designation 10,12

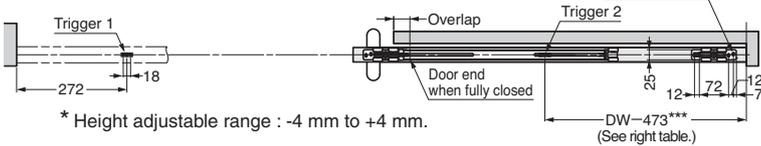
INSTALLATION DRAWING (EXAMPLE)



Double Sliding



Single Sliding



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

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=0 mm] Installation dimension for Trigger 2	** [For Double sliding only] Example [Margin DN=70 mm] DW-473+DN is the Installation dimension for Trigger 2
1,000	527	597
1,100	627	697
1,200	727	797
1,300	827	897
1,400	927	997
1,500	1,027	1,097

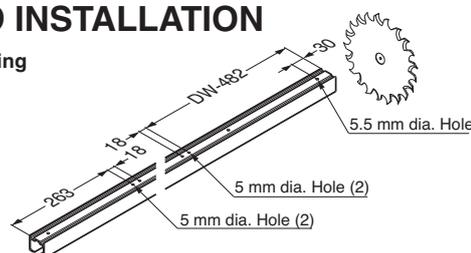
INSTALLATION PROCEDURE

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

1 PREPARATION AND INSTALLATION

1. Cutting Upper Track and Hole Processing

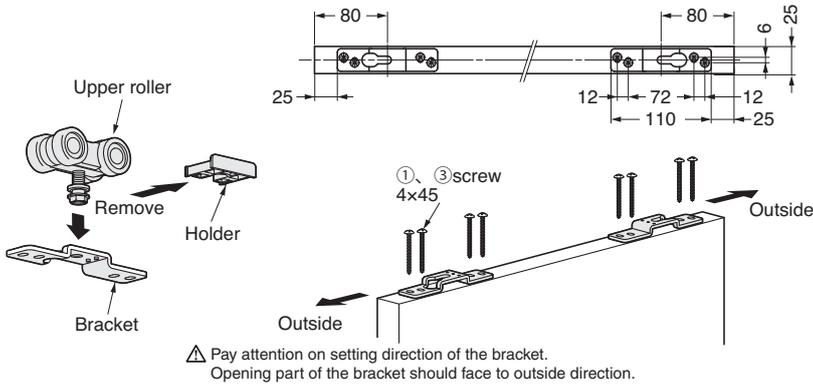
Caution
Remove any dirt or aluminum chips from the track.



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

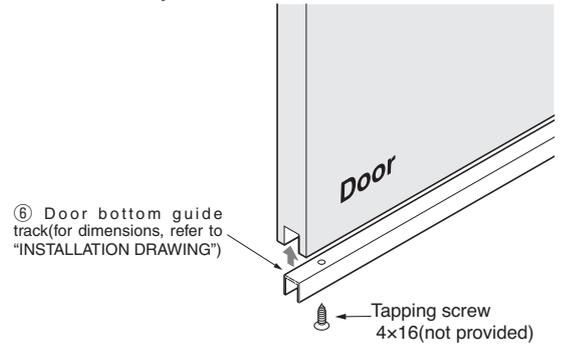
2. Installing Bracket

Remove Bracket and Holder from Upper roller.
Mount the Bracket with attached screws.

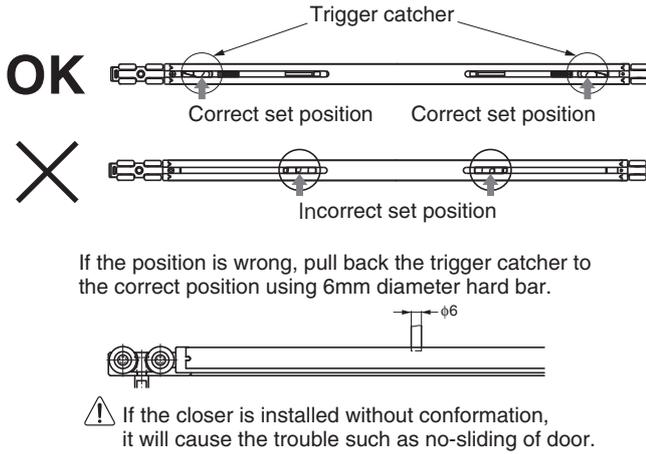


3. Installation of Door Bottom Guide Track

Fix door bottom guide track with the recommended screws firmly.

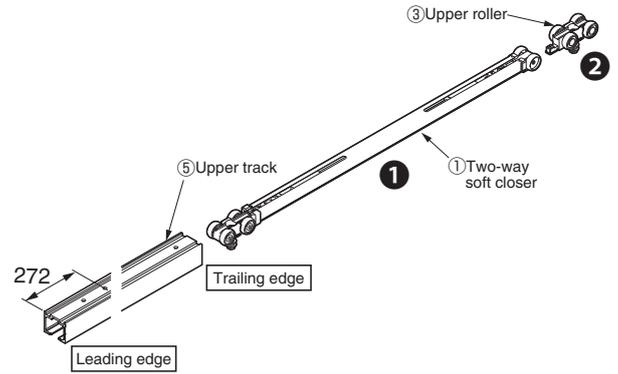


4. Confirmation Before Installing the Two-way Soft Closer



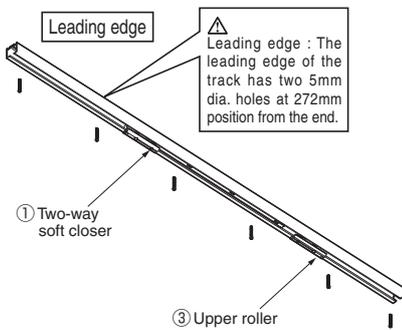
5. Assembly of Parts For Track

- Assemble the parts in order of ① to ② with care of direction.
- Tape around rollers and upper track to prevent drop of inserted parts.



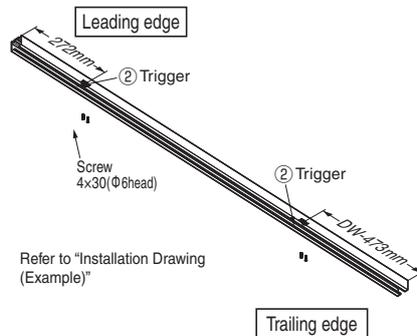
6. Mounting Upper Track

Confirm that leading edge of the upper track is in same direction as the leading edge of the door. Fix the upper track with attached Screws 5x40.



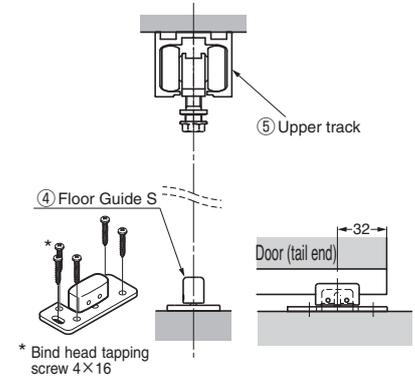
7. Mounting Trigger

According to "Installation Drawing (Example)", install triggers with attached Screws 4x16D6.



8. Mounting Floor Guides

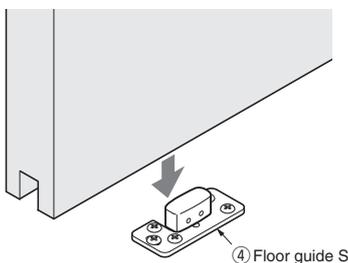
Install the floor guide so that it remains between the leading and trailing edges of the door when it is opened or closed.



2 HANGING DOOR AND ADJUSTMENT

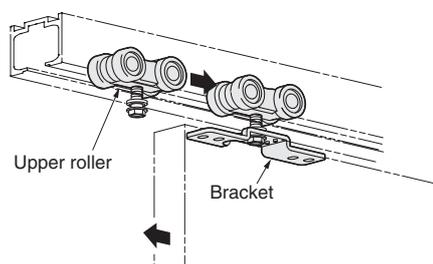
1. Bottom Part

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



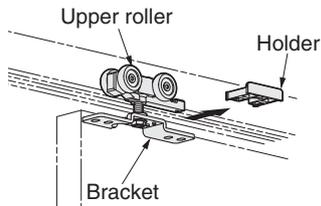
2. Top Part

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

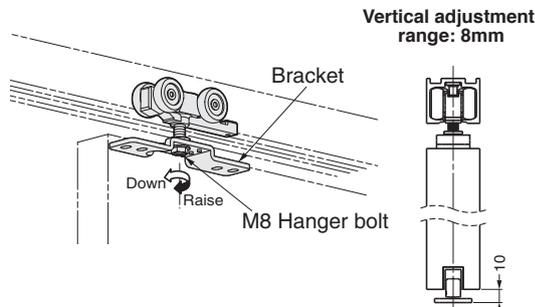


3. Adjusting Door Position

1 Remove holder

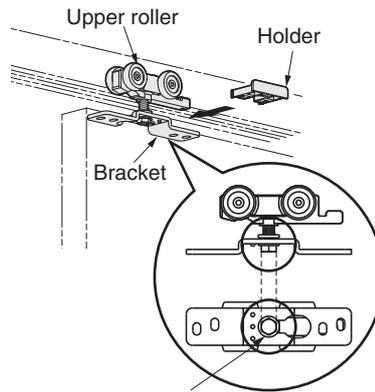


2 Adjust door such that door is parallel to upper track with 8mm clearance between door and floor.



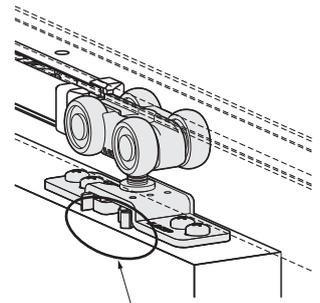
3 Fix holder

Do not turn adjustment screw more than adjustment range.



Ensure that hanger bolt head is in straight position.

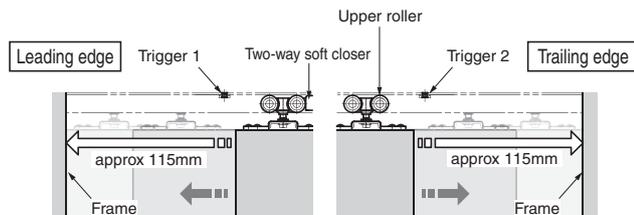
4



Confirm that the pawl of shaft support holder catches opposite side of the holder.

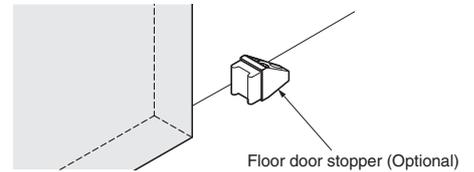
4. Confirming Two-way Soft Closer Operation

- Slowly move the door toward door head, and confirm that sliding door closer starts its function at approx. 115 mm before full-close position.
 - Also, confirm that the door closer starts its function at approx. 115 mm before full-open position.
- If the closer is not working correctly, check the Troubleshooting section.



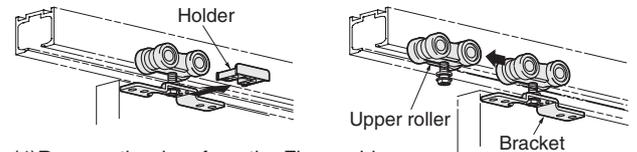
■ Installing Door Stopper (Floor)

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



■ How to Remove Door

- Put a support under the door.
- Pull out the Holder.
- Pull out the Upper roller from the Bracket.
- Remove the door from the Floor guide.



Periodical Inspection

- Clean inside of track.
- Check upper space and lower space of the door. If necessary, correct the space.

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.	Close the door completely. This will reset the function.
	Check if trigger is installed.	Install the trigger to correct position.
	Check if door is closed with excessive force.	Do not close the door with excessive force. It prevents suitable function causing trouble. Use normal operating force.
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 loosened screws retaining the upper track.	Tighten the screw.
Heavy door operation	Check if door contacts to other parts.	Provide necessary space between door and adjacent objects.
	Check if door is warped.	Use the door without warp.
Door starts to move.	Check track retaining screws for looseness.	Tighten the screw.
Door does not move.	Check the upper track if it is set horizontally.	Using a level gauge, reset upper track horizontally.

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2016.12 0516-5