

LAMP® FD35EV SLIDING DOOR SYSTEM Installation Manual (Recessed Mount Roller)

Part No.FD35EVHHP

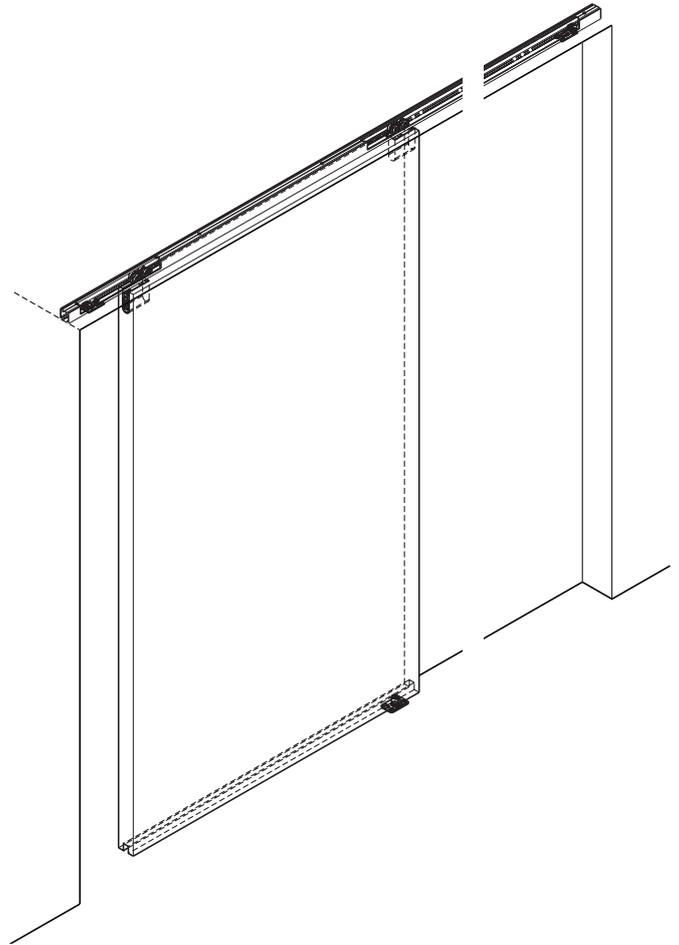
Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

- This is the door hardware for sliding door system in stores, public facilities and residence.
- Easy door installation and adjustment.

SPECIFICATIONS

Door width	1200mm
Max. Door Height	2400mm
Min. Door thickness	24mm
Max. Door weight	35 kg
Height adjustable range	3mm upward, 4mm downward
Forward / backward adjustment	±2 mm



FOR YOUR SAFE WORK AND CORRECT INSTALLATION

⊘ 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.

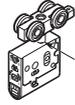
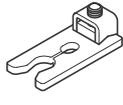
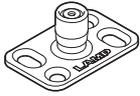
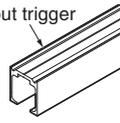
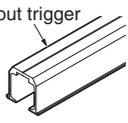
- ⓘ This (sliding door system) should be installed by an experienced person who has correct knowledge. If the system is not installed correctly, the door will not operate smoothly, and or may cause injury.
- ⓘ It is necessary to manufacture the frame with sufficient strength so it endures the weight of the door and impact shocks upon opening/closing the door. A frame with poor strength or loose screws 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.

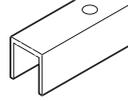
⚠ Caution: If these cautions are not followed, it may result in injury or damage.

- ⓘ 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

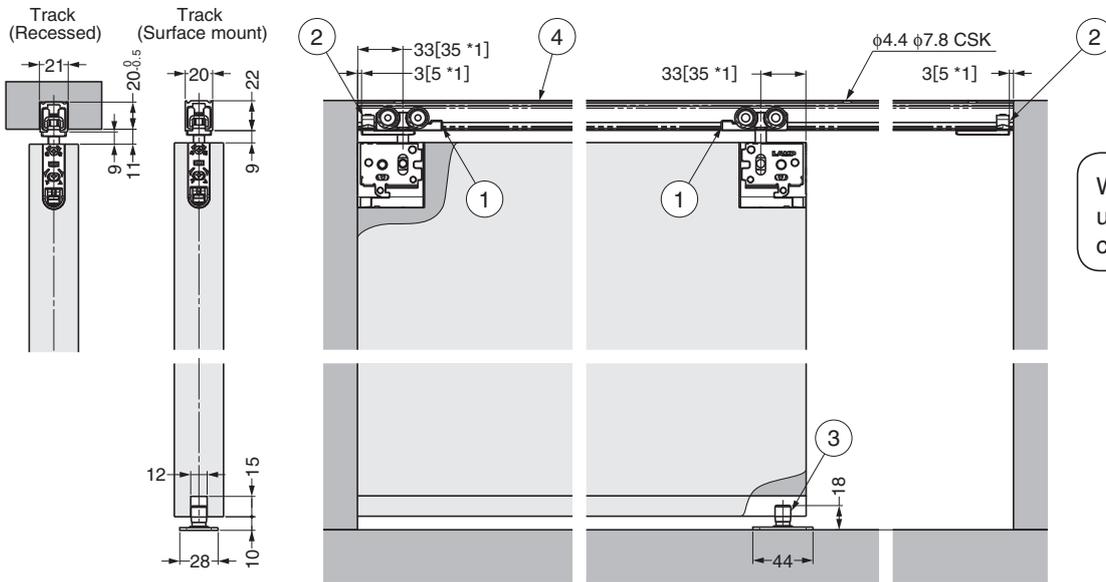
This describes installation of single sliding door.

No.	①	②	③	④	
Name	Upper roller	End catch	Floor guide	Upper track (surface mount)	Upper track (recessed mount)
Item No.	FD35EV-WRH	FD30-HTST	FD50-BGR18	FD35EV-TRM	FD35EV-TRH
Item	 Without nut 2pc	 2pc	 1pc	 Without trigger  Without trigger either one Hole pitch : 300mm Pitch end : 30mm	
Accessories	Flat head tapping screw 3.8x40 6pcs	—	Countersunk head tapping screw 4x20 4pcs	—	—
Remarks	—	—	—	Recommended screw: Countersunk head tapping screw 3.5x20	

OPTIONAL PARTS	No.	⑤	⑥	⑦
	Name	Cover cap	Door guide track	Track cleaner
	Item No.	FD50-WRH-CP	FD30-HBRT1500SIL	FD30-TRC
	Item	 Thickness: 2 mm	 Hole pitch : 250mm Pitch end : 30mm	
	Accessories	—	—	—
Remarks	—	Recommended screw: Countersunk head tapping screw 4x20	—	

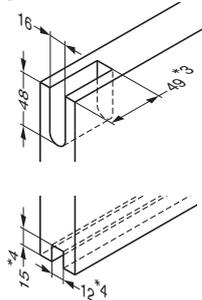
INSTALLATION DRAWING (EXAMPLE)

This describes installation of single sliding door.

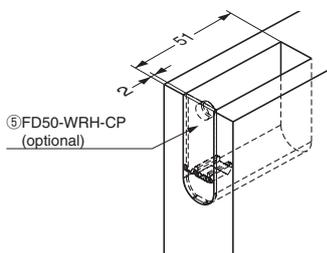


CAUTION
When vertical frame is not used, apply Two-way soft closer.

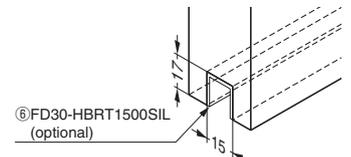
Door process dimension



*2 When using cover cap ⑤



*3 When using door guide rail



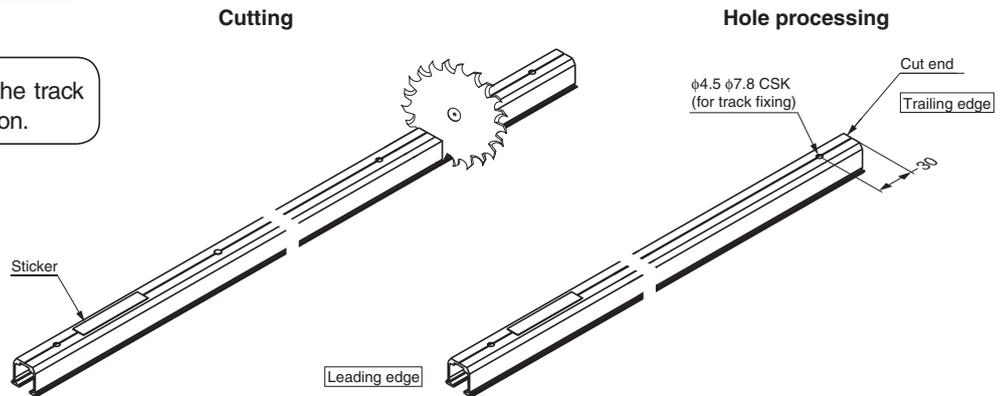
1 Cutting and Providing Hole on Upper Track

CAUTION

Do not cut the track at sticker side.

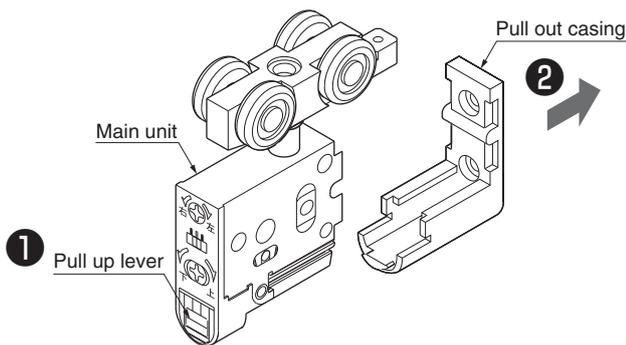
CAUTION

When cutting, use reinforcer for the track to prevent deformation at cut section.



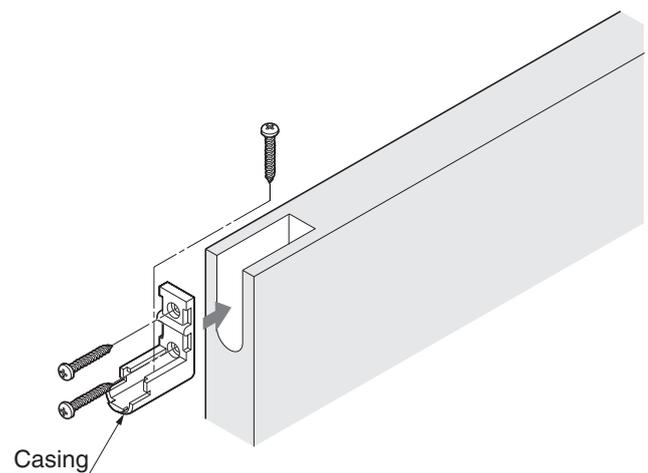
2 Removing Casing

Upper roller: Separate main unit from casing.



3 Installing Casing

Fix upper roller firmly with attached screws.



4 Inserting Parts to Upper Track

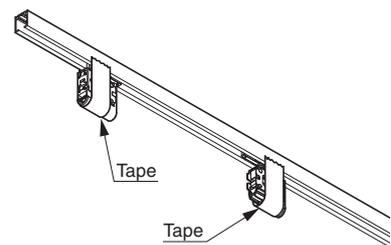
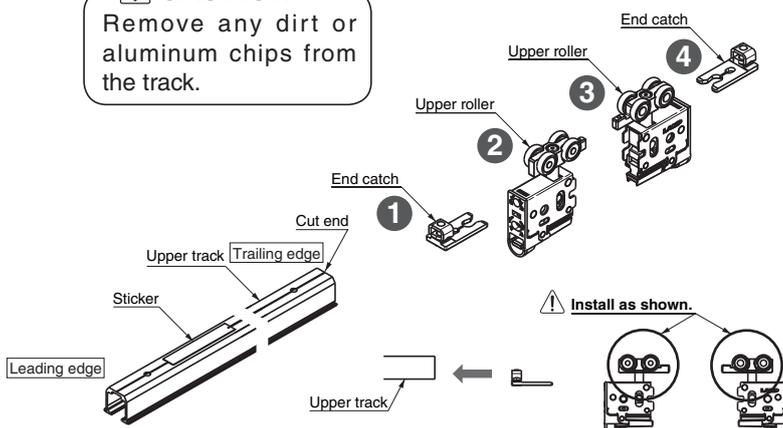
Insert the parts in order of ① to ④ with care of direction

CAUTION

Remove any dirt or aluminum chips from the track.

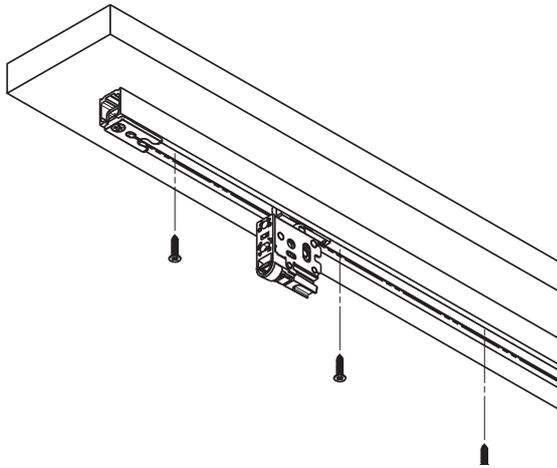
CAUTION

Tape around upper roller and upper track to prevent drop of inserted parts.



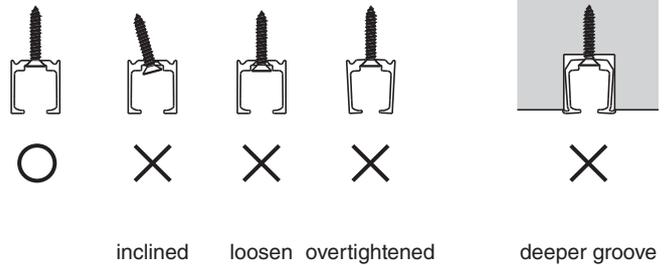
5 Fixing Upper Track

(Recommended screw: Countersunk head tapping screw 3.5x20)



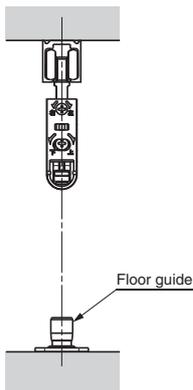
CAUTION

Be careful not to overtighten the screws and screw head protruding on upper track. It may cause deformation of track or damage of soft closer.

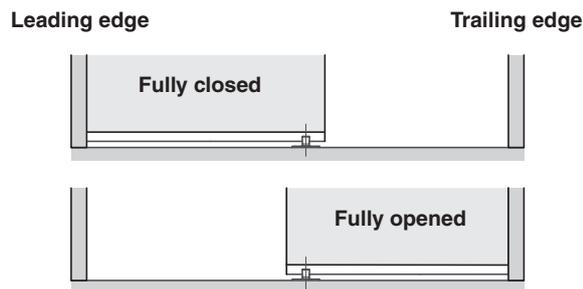


6 Fixing Floor Guide Temporarily

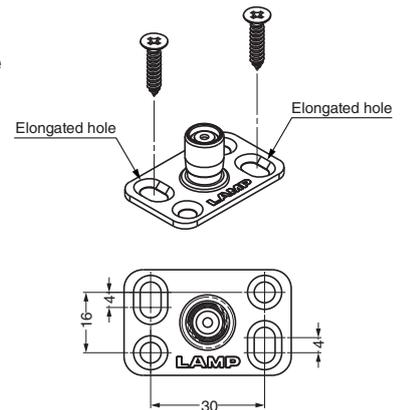
Position floor guide just below the center of upper track.



Position the floor guide so that its roller part stays under the door when it is opened or closed.

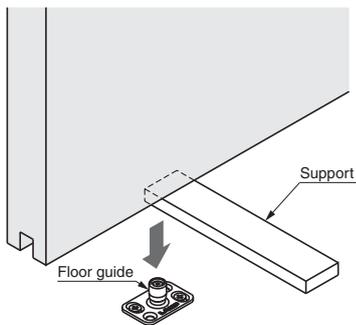


Fix two elongated holes with provided screws temporarily.

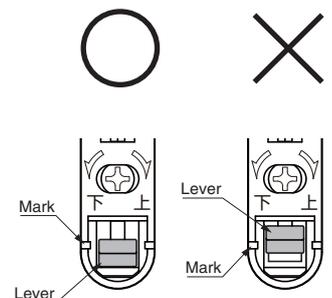
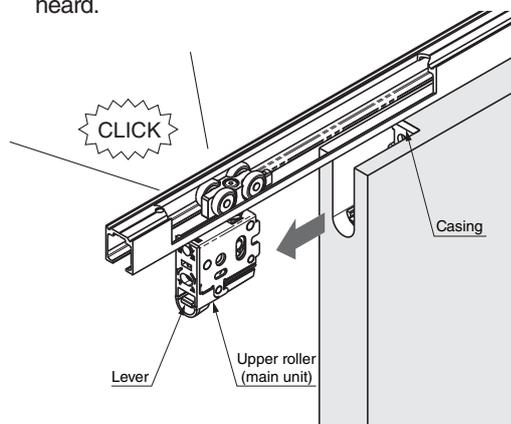


7 Hanging Door

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



Insert upper roller into the casing until "click" sound is heard.

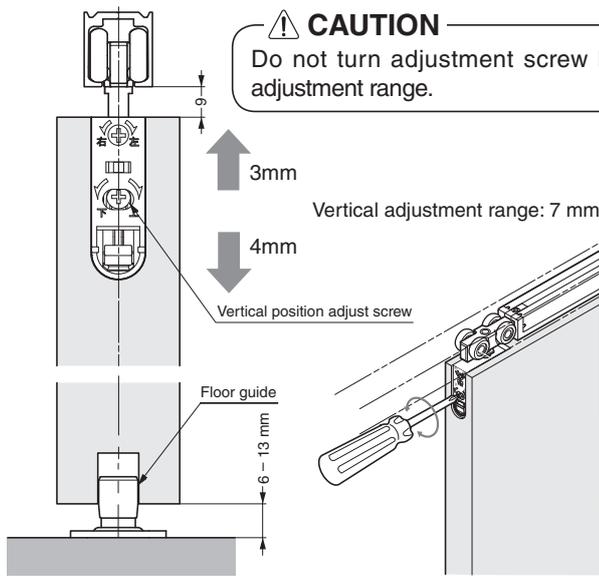


CAUTION

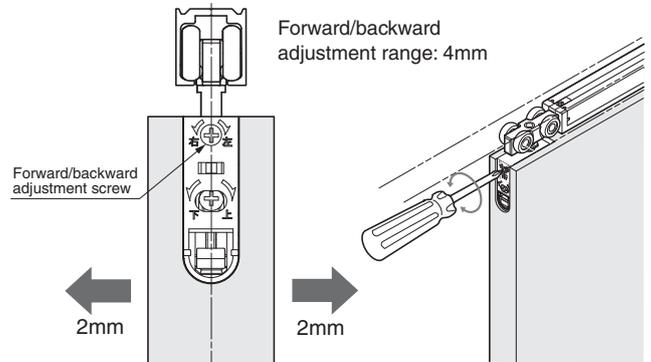
Confirm that upper roller is not dislocated from casing, for both door sides.

8 Adjusting Door Position

Adjust door parallel to upper track with 6 – 13 mm clearance between door and floor.



CAUTION
Do not use motor screw driver.

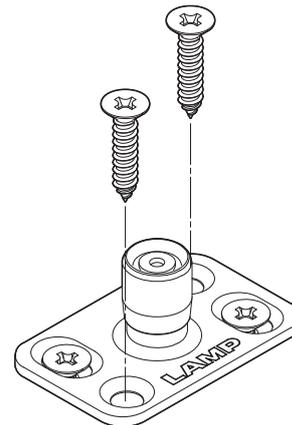
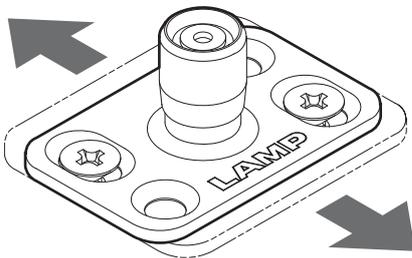


9 Adjusting, Fixing Floor Guide

If the door movement is not smooth, remove the door, then make a forward/backward adjustment on floor guide.

Tighten all 4 screws after the adjustment.

Adjustment range: 4mm

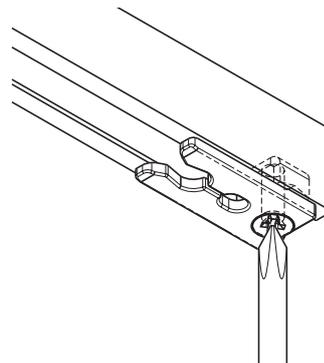
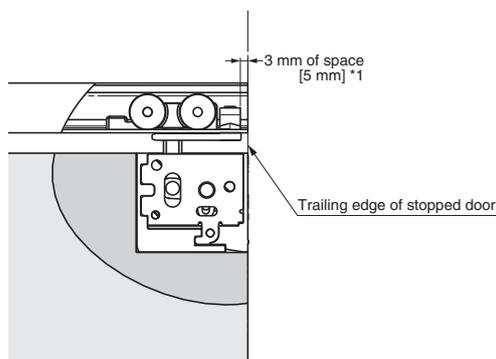


10 Fixing Catch Position

Fix End catch at 3 mm from the door front end at the position to be stopped.

Slowly moving the door, adjust the position of end catch where it catches the hanger bolt of the roller just after the door is stopped by the vertical frame or floor stopper.

(*1 5 mm when using cover cap)

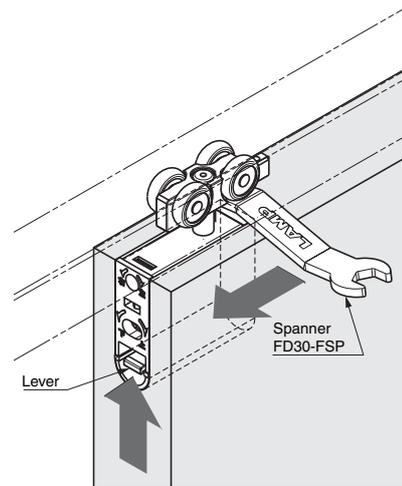


CAUTION
Do not overtighten the screw.
It may deform the part.

Supplement 1 How to remove door

Use a 10mm support under the door.
Then pull out the upper roller main unit from the door while raising the lever.

It will be easier if you slide the hanger bolt with a spanner.



Final confirmation Confirm that all screws are securely tightened. And, confirm that all screws are used without mistake.

PERIODICAL INSPECTION

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

■ TROUBLESHOOTING

Trouble	Checkpoint	Solution
Abnormal noise during operation	Check if door touches other parts.	Provide necessary space between door and adjacent objects.
	Check track rollers for aluminum dust.	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 with floor.	Confirm that track fixing screws are not loosened. Adjust door height 6 – 13 mm between door bottom and floor.
	Check if door touches adjacent parts.	Correct door position to avoid contact to other objects. Adjust position of floor guide or stopper.
	Check if door is warped.	Use a 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 if the upper track is set horizontally.	Using a level gauge, reset upper track horizontally.
End catch does not work properly.	Check if correct roller is installed.	Replace correct roller (FD35EV-WRH).

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