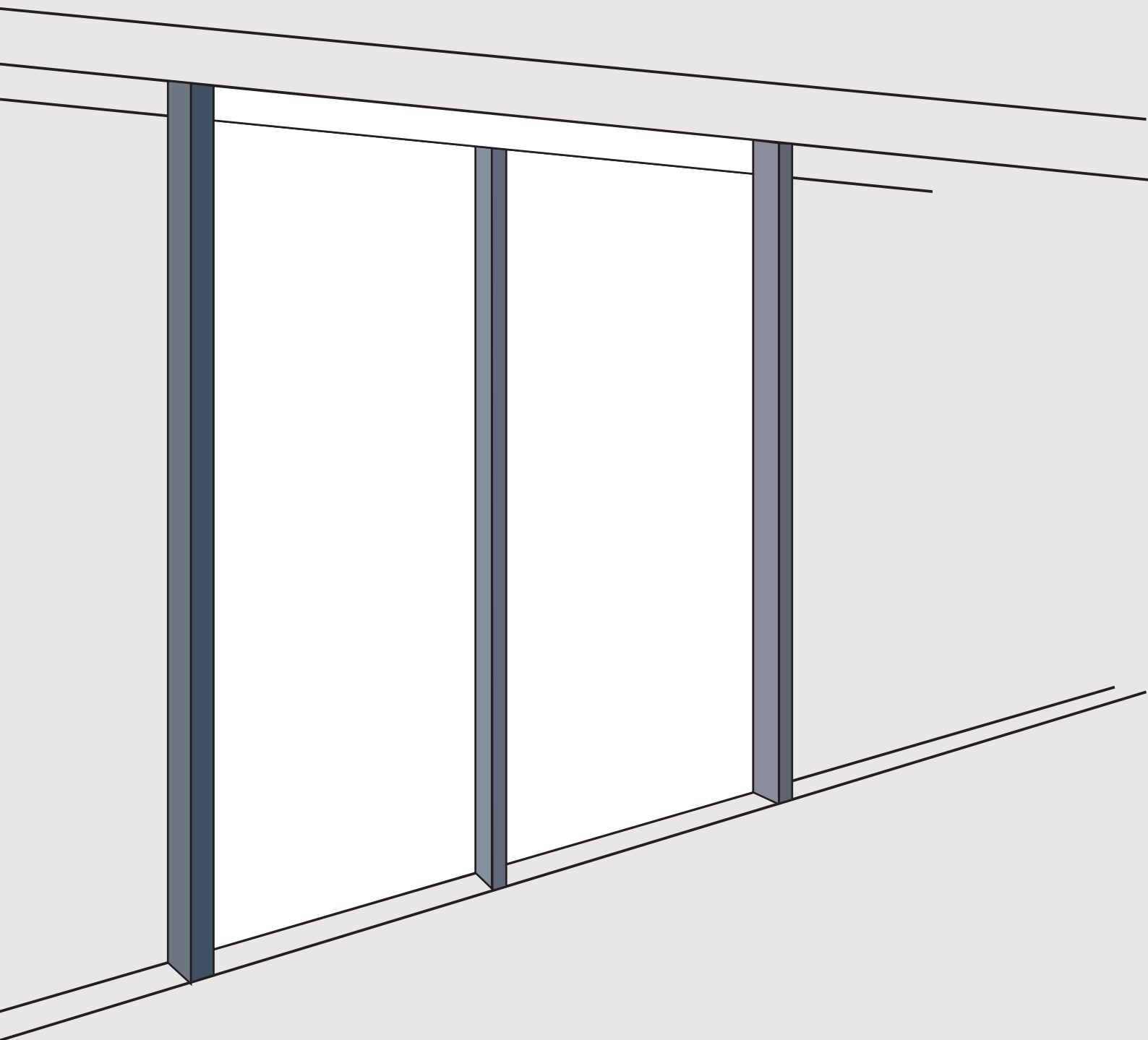


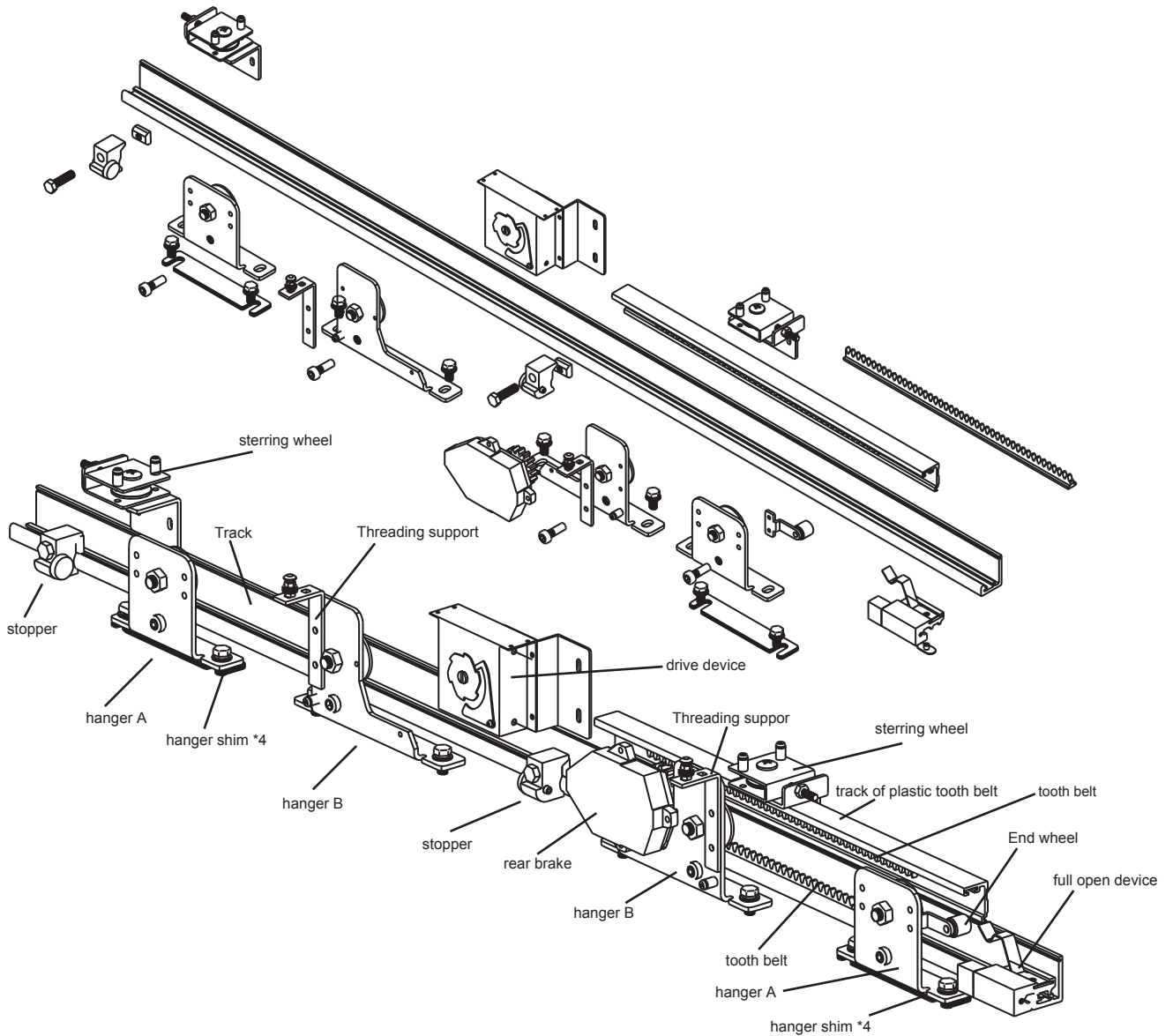
Installation Manual

Semi-automatic door

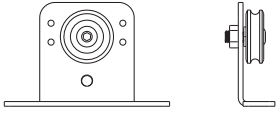
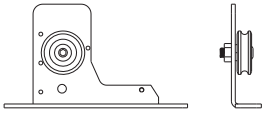

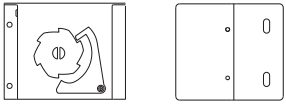
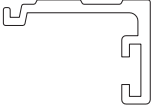
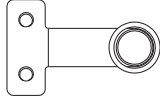


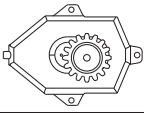
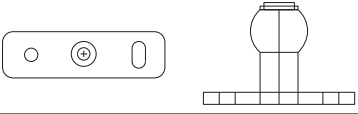
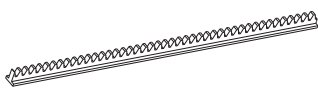
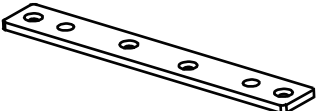


Components of mechanism

- Name of components



Components List

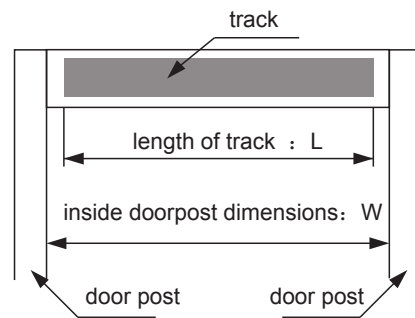
name	Sketch Map	Number	
		single open	double open
Rear hanger roller		1	2
Front hanger roller		1	2
hanger shim		5	10
drive device		1	1
track		1	1
end wheel		1	1
full open device		1	1
stopper		2	4
rear brake		1	1
door guide		1	2
plastic tooth belt		2	4
wooden door fix plate		2	4

Track's cutting and installation

● Cutting

Standard length of track: 2.1m*2, over-length track can be customized.

Cut the track at the this length $L=W+10\text{mm}$, inside doorpost dimensions is W .



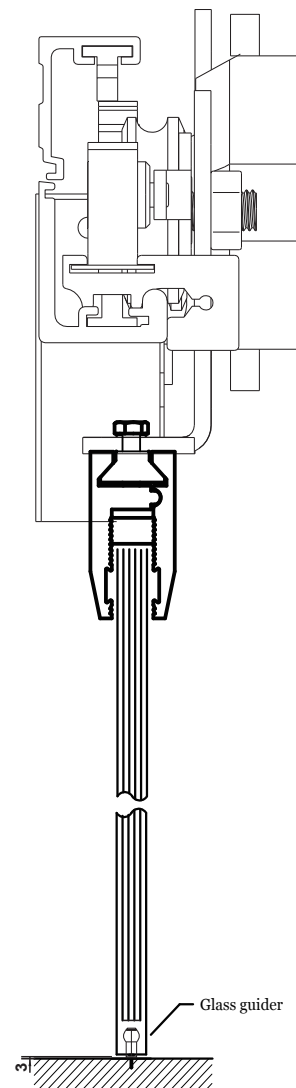
● Installation

The track is installed at the height of $DH+23\text{mm}$ from the ground (based on the bottom of the track) .

- (1) drill holes in aluminum track.
- (2) Fix one end of aluminum track , check the level by gradienter, the fix another end of track.
- (3) Fix the track on to the wall or steel structure firmly.
- (4) Then check the level again, then fix the aluminum track to steel structure or wall firmly.

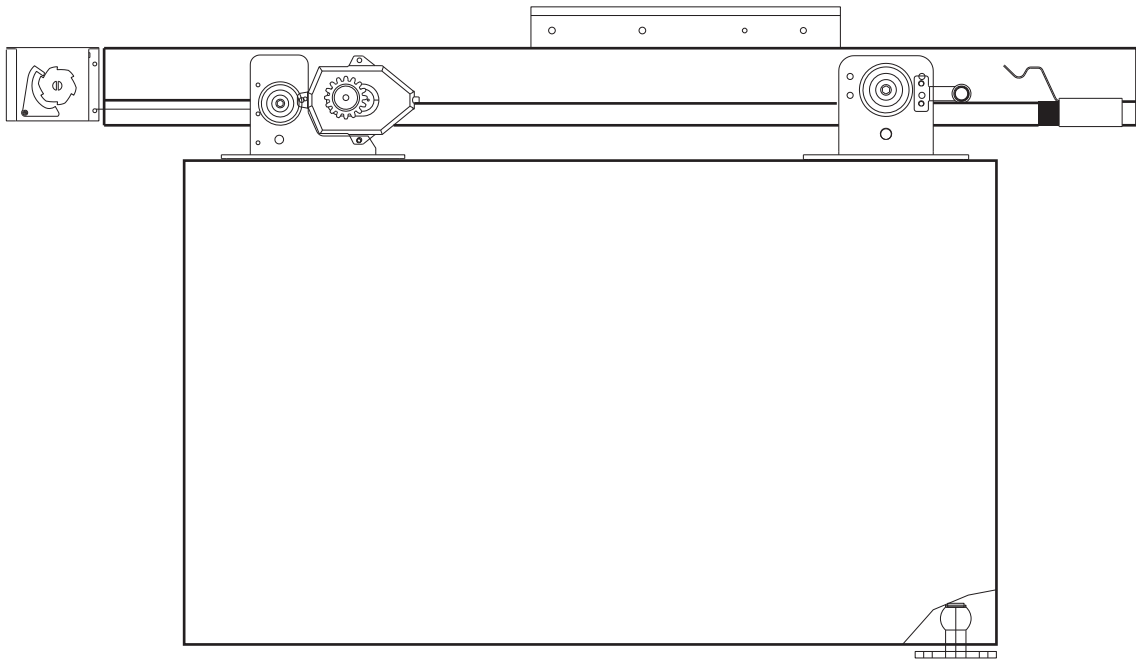
Caution:

- 1.the track must be level.
- 2.The height of movable door leaf is DH .
- 3.The clearance height over the track should be more than 50mm.
- 4.Street should be fix inside to the wall or steel structure , in order to avoid the operating problem.

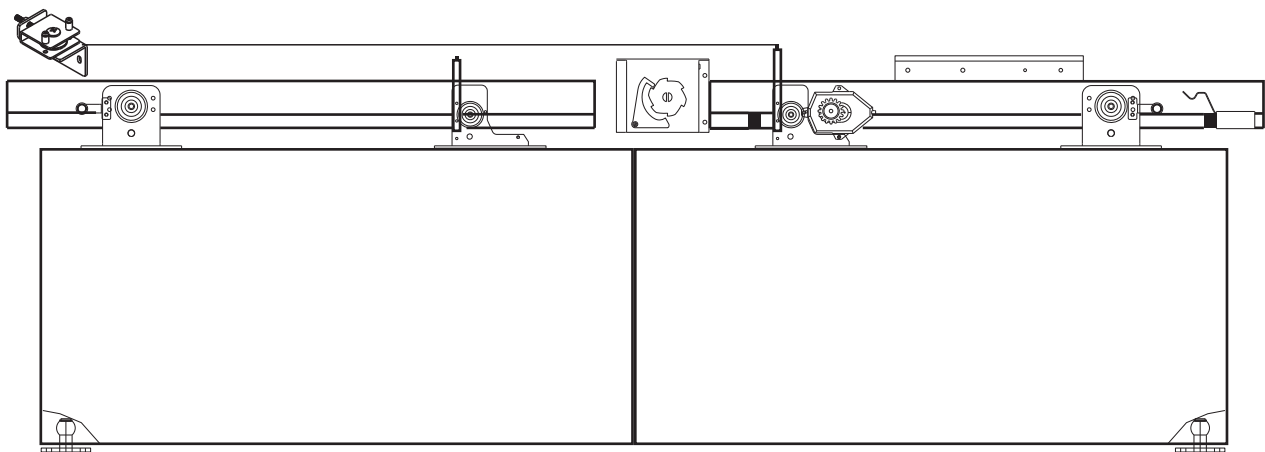


Installation of spare part

- single open



- double open



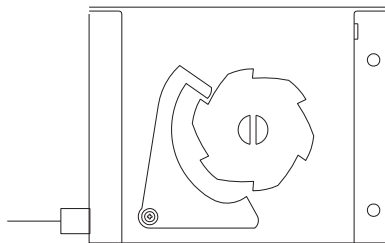
Installation of spare part

- Installation Rear brake、 stopper、 tooth belt、 steel rope(Refer to the diagram)

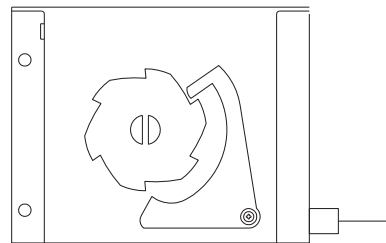
- 1.fix all spare part onto the its position of door beam.
- 2.Put the stopper onto The door beam.
- 3.After all spare part fixed , fasten the screw.

- Installation of drive device (refer to double open diagram)

- 1.There is right and left Drive device (refer to diagram) .

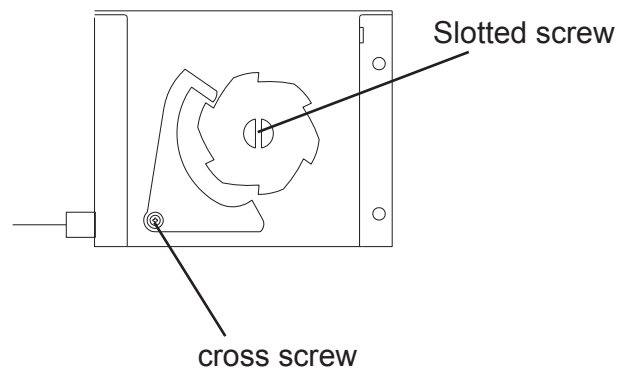


left



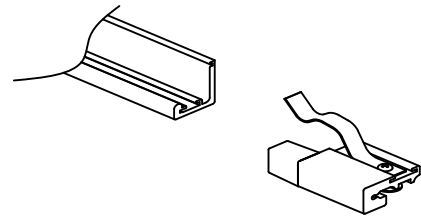
right

- 2.Test the tightness of steel rope before installation of drive device, using Cross screwdriver to loosen the screw , then using Slotted screwdriver to adjust Turntable to the suitable position.

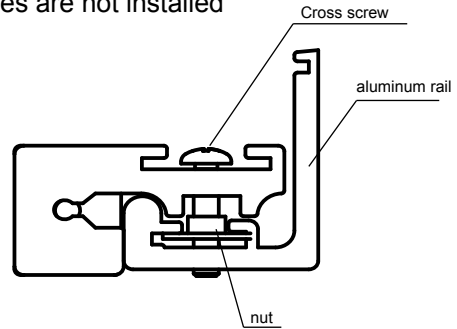
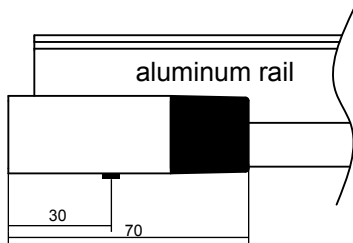


Installation of accessories

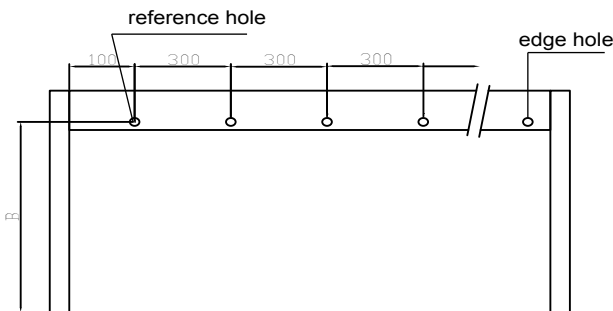
When using optional parts such as stopper or full open device
 Insert the rail into the groove before cutting.
 Refer to the description for the optional part.



When double sliding rails or vertical frames are not installed



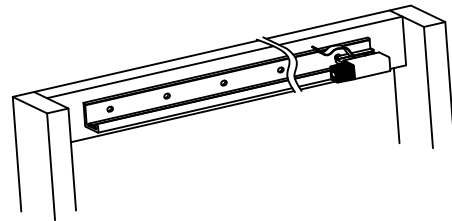
Install a door stop on the door front



Refer to instructions for door stop.

(mm)

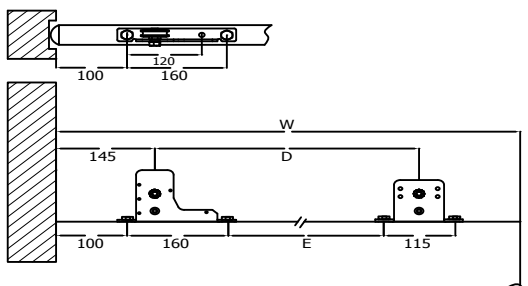
	B dimension
When a frame is directly installed	Door height+70+30
When a plate for wooden doors is used	Door height+20+30



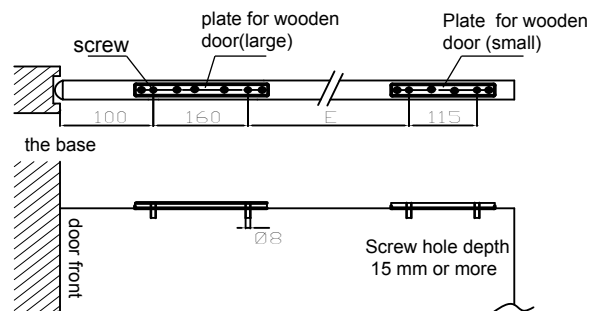
Installation of front hanger roller and rear hanger roller

W dimension	D	E
900 to 1100 or less	600	465
1100 to 1300 or less	770	635

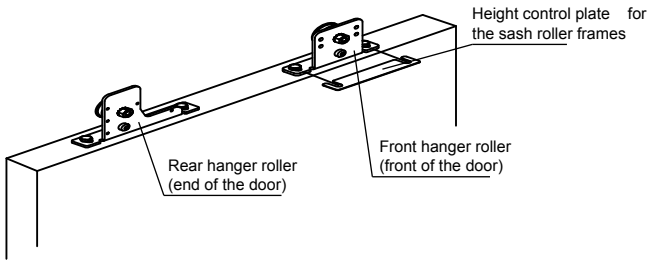
Install the hanger rollers with the basic position according to Table 1, under the door being closed.



Wooden door

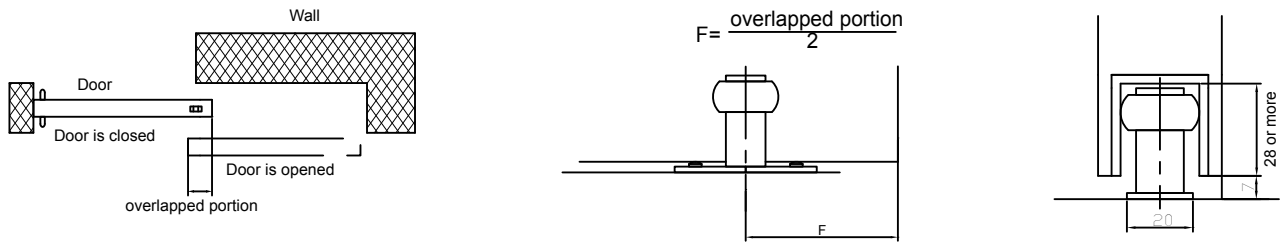


Insert the height control plate according to the door width in Table 2.

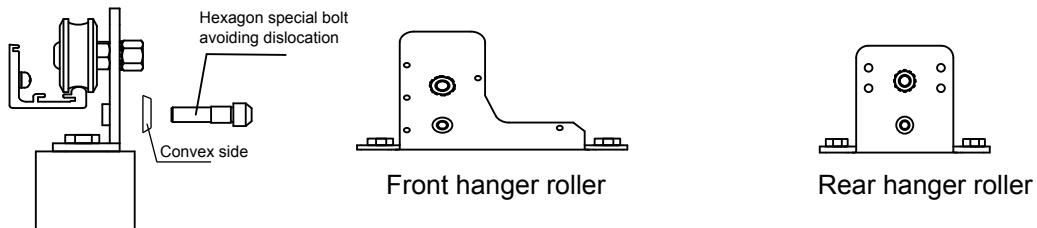


Door width (mm)	Height control plate
900 to 1100 or less	Unnecessary
1100 to 1300 or less	2 plates on the sash roller frame

Install the guide roller at the center of overlapped portion.

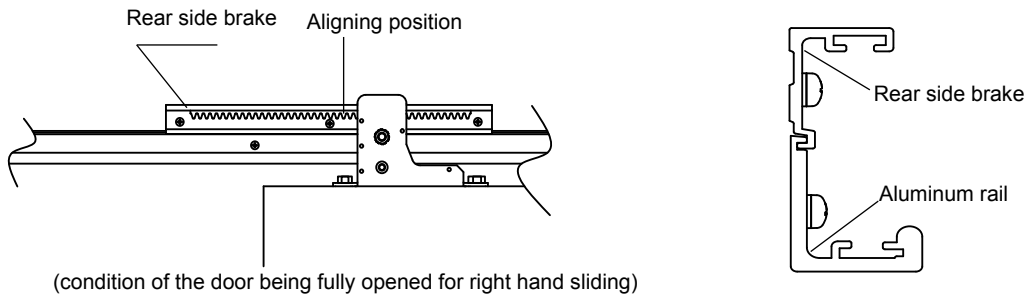


- Fit the guide roller with the bottom portion of the door.
- Hang the sash rollers on the rail.
- Check that the door can easily be opened and closed.

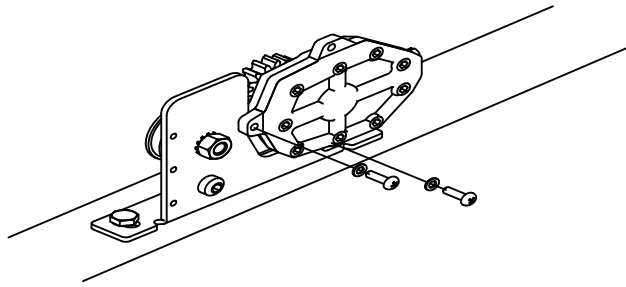


Note: face the convex side of the countersunk spring washer toward the head of the hexagon special bolt.

Insert the countersunk spring washer into hexagon special bolt for both the front and rear hanger rollers and tighten it.

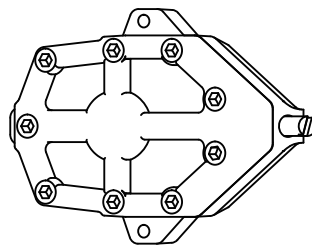


- Allow for the door to be fully opened or to be caught by stopper(optional part).
- Insert the rear side brake into the groove of the aluminum rail(Refer to the drawing on the right.)
- Align the front side of the front hanger roller with the stamping position of the rear side brake center as shown in the drawing.
- There are four holes for installing the brake on the door end,Select the two positions which are even from the side,align them, and provide tap machining(M5pitch 0.8) for the installation face.
- Tighten at the two positions using the pan head screw(M5x16) attached.

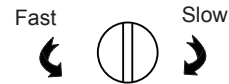


- Install the hydraulic control on the front hanger roller by using the pan head screw(M5x16) attached.
- Install it with the door more than half open.
(Avoid the locations of the control rack and rear side brake .)

Adjustment of speed

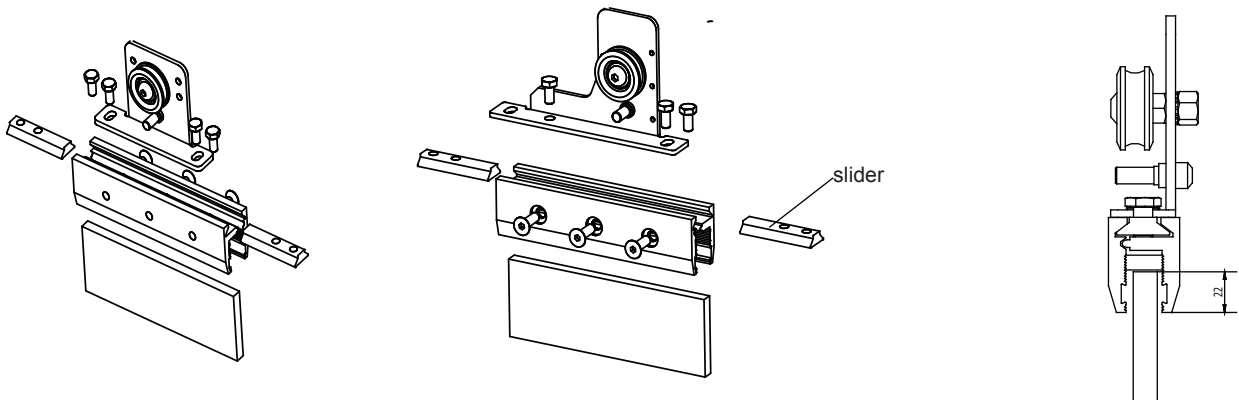


Turn the value to clockwise for slower.
Turn it anti-clockwise for faster.



Installation of glass door

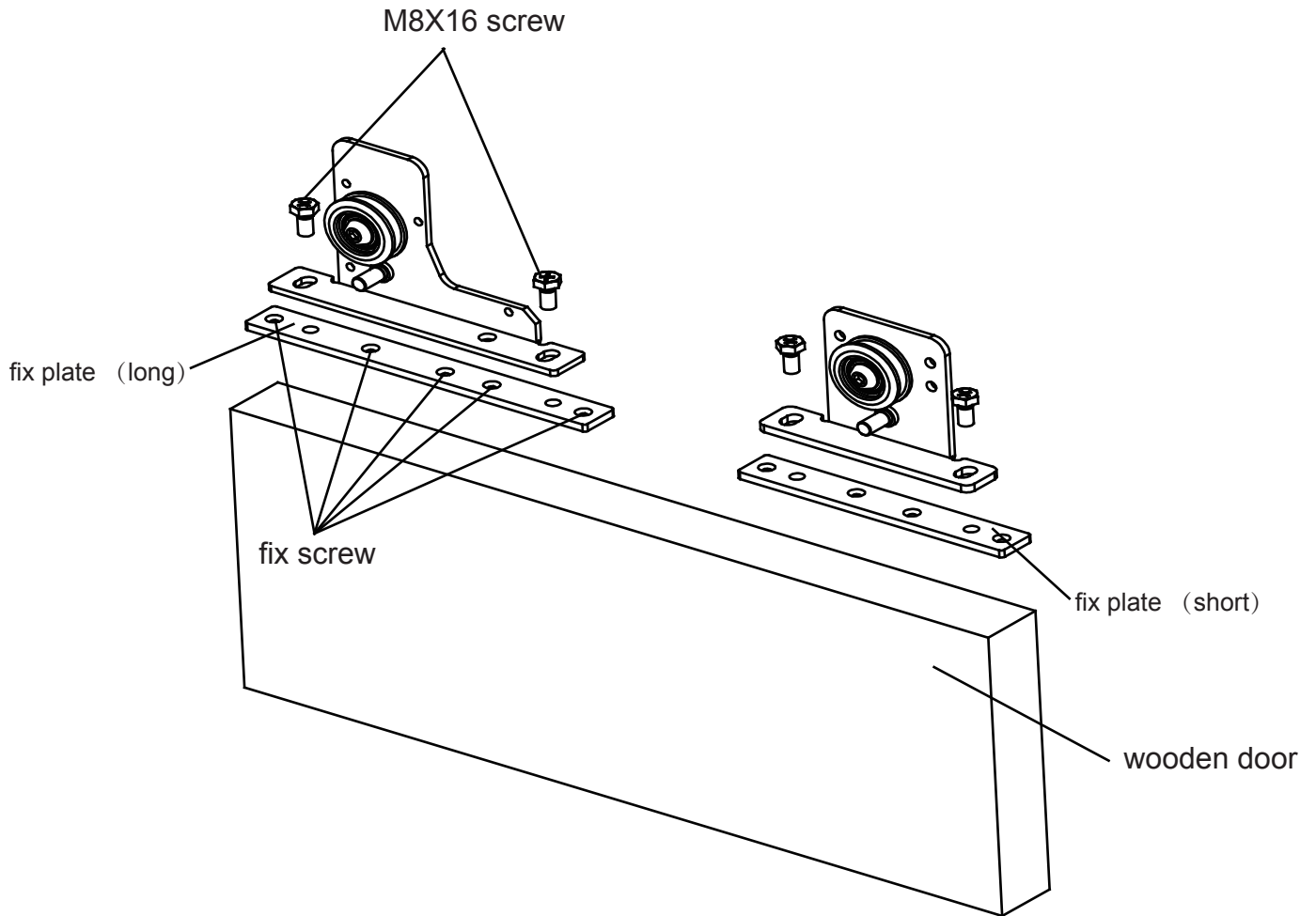
- Adjust the needle valve of the hydraulic control using a flat-blade screwdriver.
- Adjustment can be conducted at about 250 mm from the front where the door closes.
- Adjust the needle valve so that the door closes with an appropriate speed from the fully opened position.
- Open and close the door a few times to check control of speed.



- Loosen screw of glass clamp and hanger , put the slider into glass clamp
- Embedding glass in glass clamp
- Fasten the screw, make sure the glass won't come out

Installation of wooden door

- Fix the hanger directly with fix plate by screw
- fasten it and make sure the wooden door leaf is well fixed



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