Version number:20210828

Installation instructions for buffer three linkage sliding door system

Installation instructions:

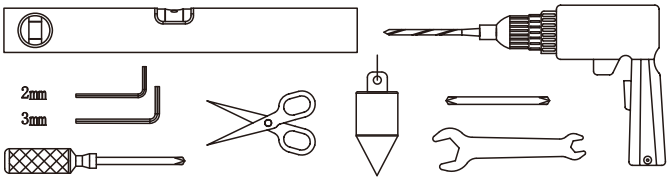
①The linkage sliding door system cannot be installed in all hidden slots, and the must be reserved for installation;

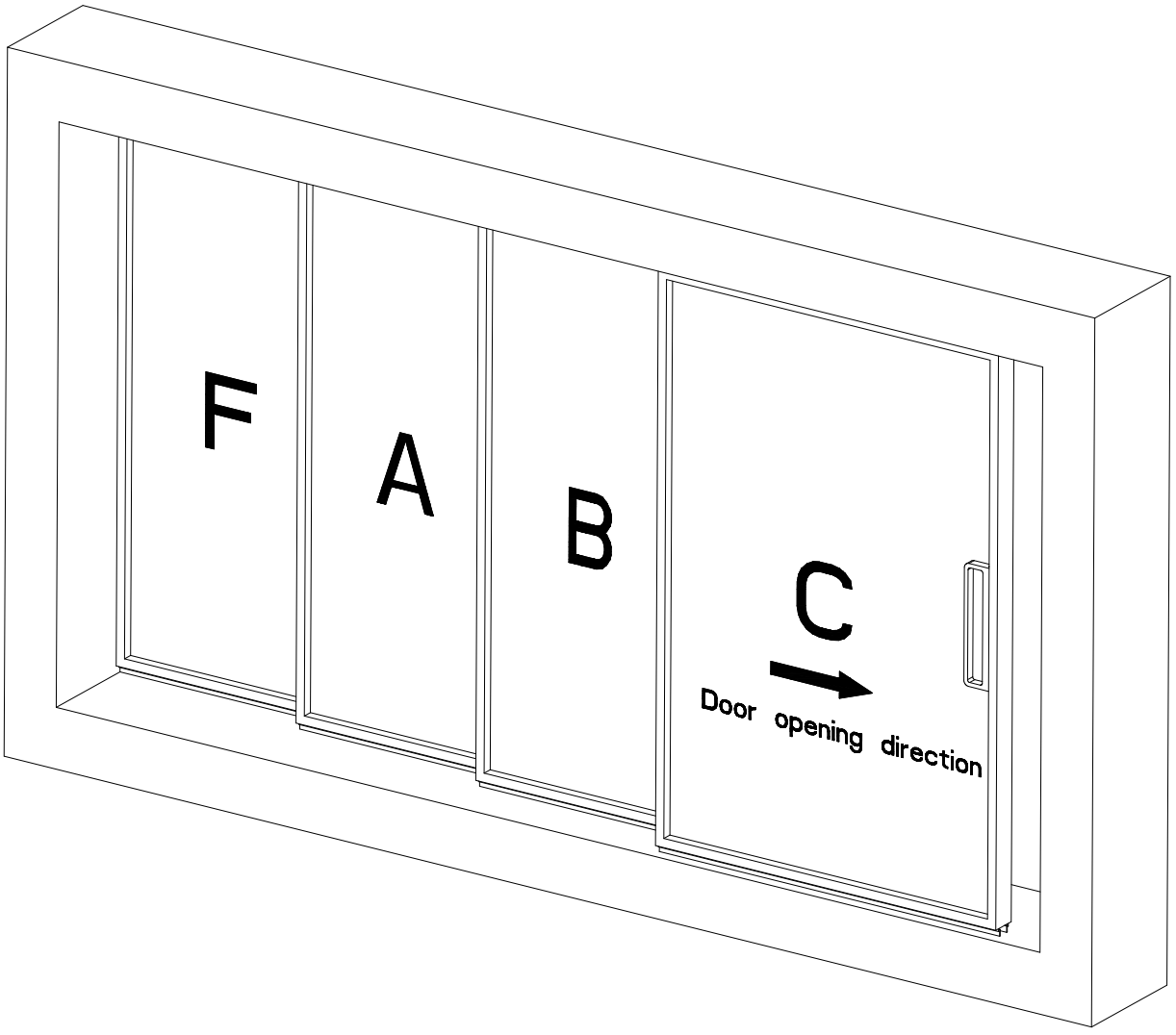
②The guide rail must be installed on steel or concrete structure beams with sufficient strength;

③When installing the guide rail, the guide rail must be cleaned of debris in the inner groove before it can be fitted with the roller assembly;

④For sliding doors are used with high frequency, we recommend that users regularly invite maintenance personnel for inspection and maintenance;

Installation tools:

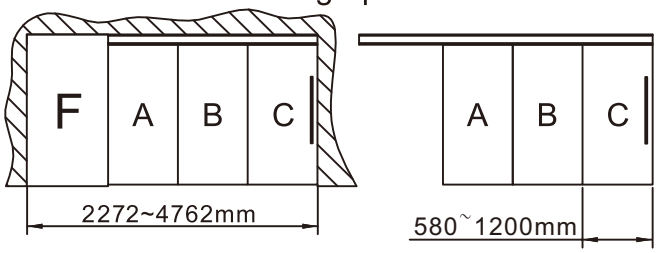




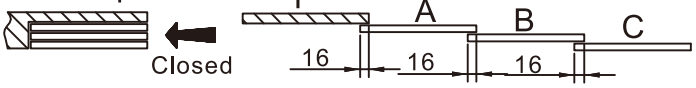
Accessories list

Ⓐ Upper track	Ⓑ Fixed seat	Ⓒ Short bracket with wheel	Ⓓ Long bracket with wheel	Ⓔ Bracket	Ⓕ Connector for belt
Ⓖ Bottom guide	Ⓗ Bottom guide	Ⓘ Hanging rollor	Ⓙ Soft close hanging rollor	Ⓚ Positioning device	
Ⓛ Door stopper	Ⓜ Triggers	Ⓝ Fixing device	Ⓞ Fixing device for belt	Ⓟ Belt	

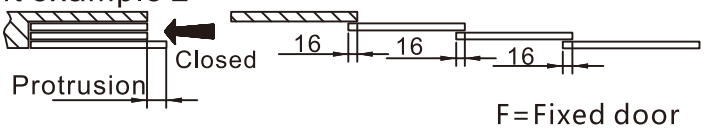
1 Left linkage plan



Left example 1

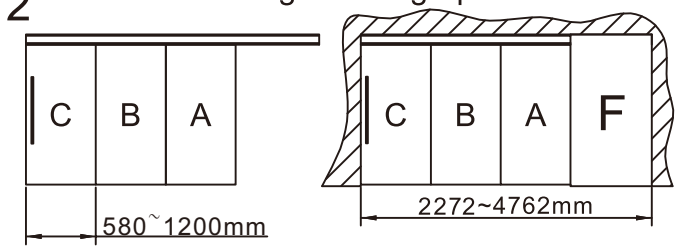


Left example 2

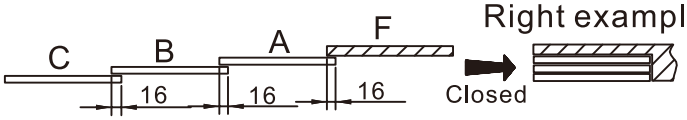


F=Fixed door
C=Sliding door

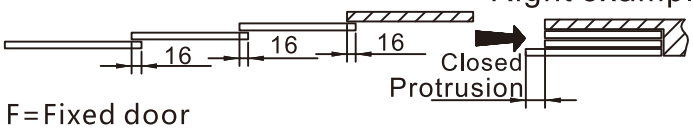
2 Right linkage plan



Right example 1

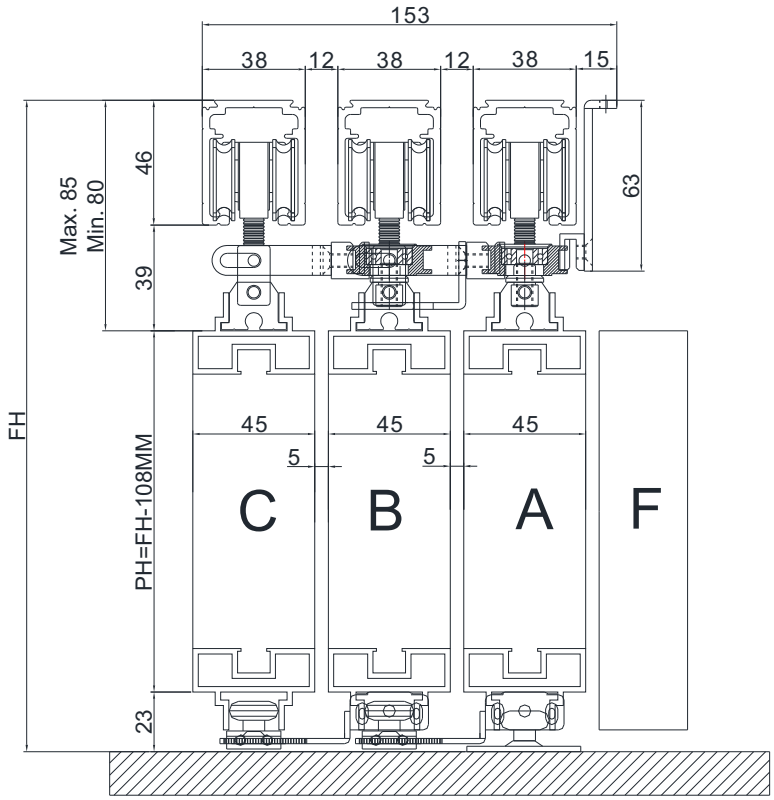


Right example 2

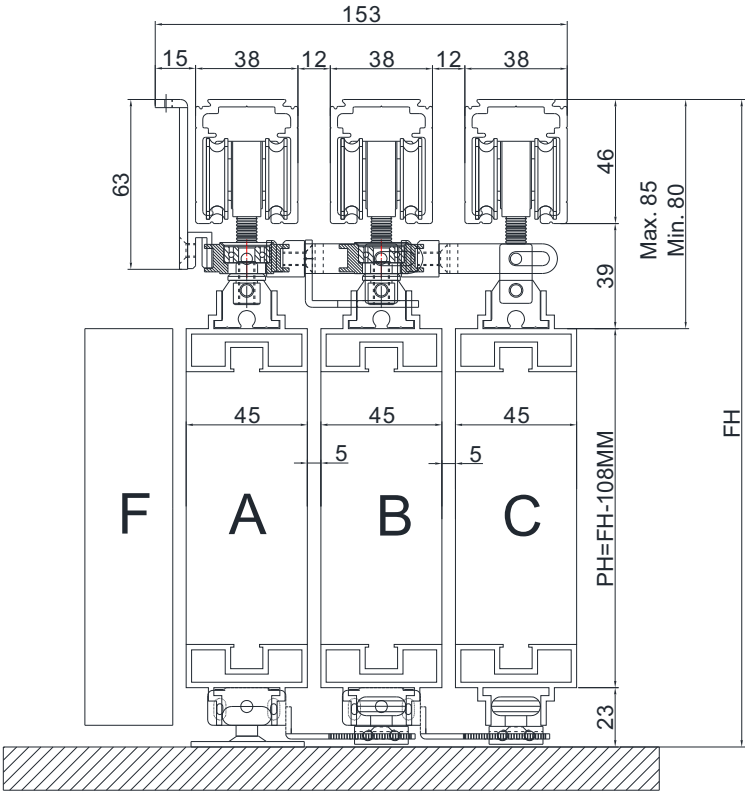


F=Fixed door
C=Sliding door

3 Cross section diagram of Left linkage



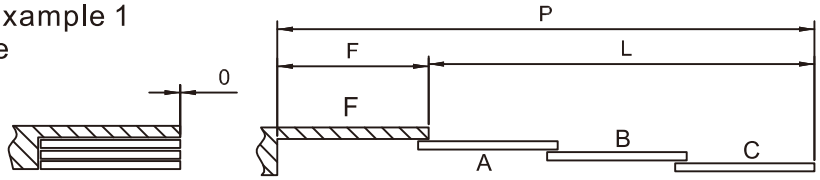
4 Cross section diagram of Right linkage



5 Calculation formula of door width:

------The calculation formulas of left example 1 and right example 1 are the same

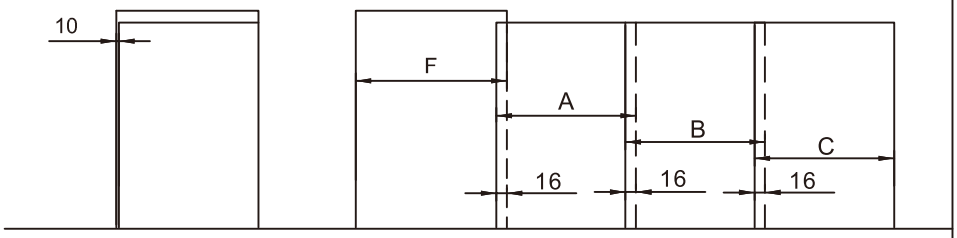
(Left example 1)



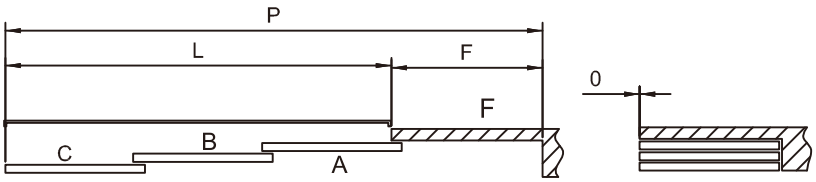
$L=\frac{3(P-26)}{4}$

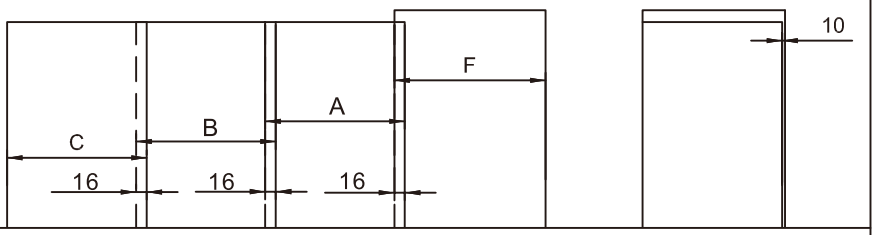
C = (L/3) +16
B = (L/3) +16
A = (L/3) +16
F = (L/3) +26
P = L + F

Door height=Door frame height-98



(Right example 1)

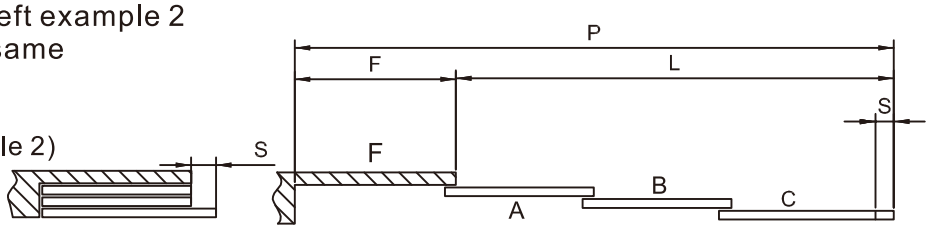




6 Calculation formula of door width:

------The calculation formulas of left example 2 and right example 2 are the same

(Left example 2)



$L=\frac{3(P-26)+S}{4}$

$A=\frac{L-S}{3}+16$

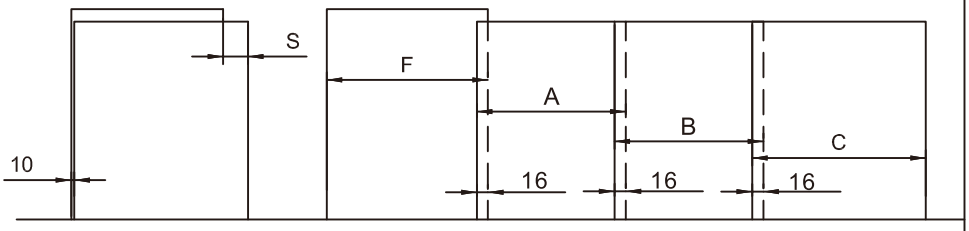
$B=\frac{L-S}{3}+16$

$C=\frac{L+2S}{3}+16$

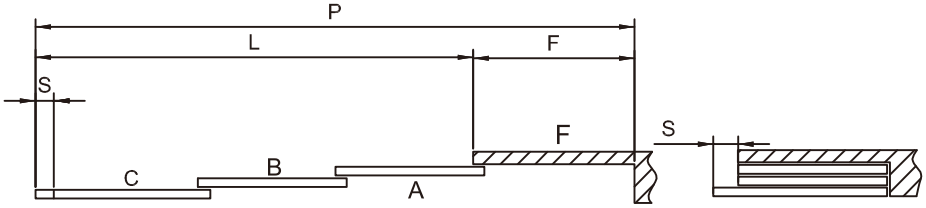
$F=\frac{L-S}{3}+26$

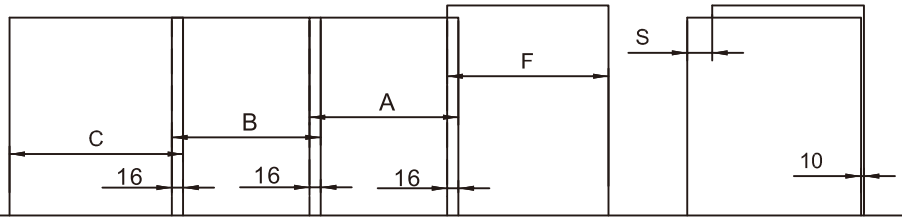
P = L + F

Door height=Door frame height-98



(Right example 2)

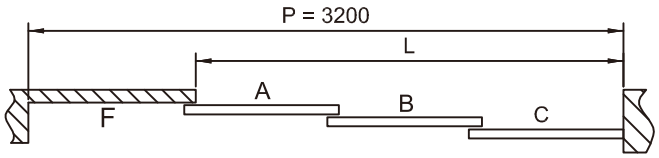




5-1 Example of door size calculation:

------The calculation formulas of left example 1 and right example 1 are the same

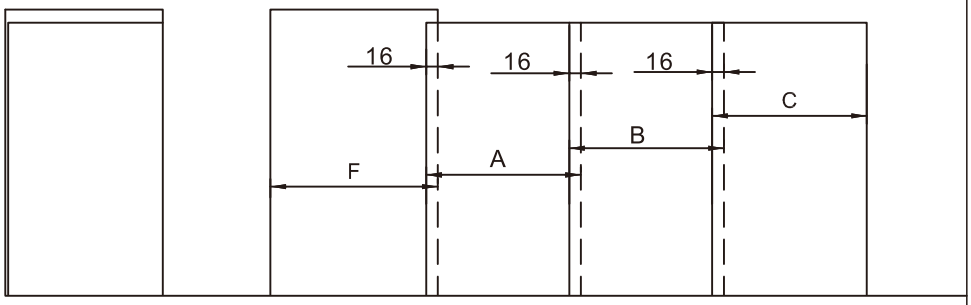
(Left example 1)



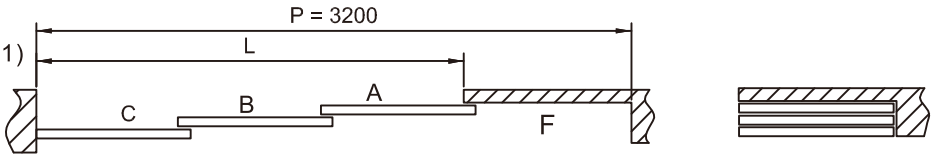
$L=\frac{(Px3)-165}{4}$ P=3200mm

$L=\frac{3(3200-26)}{4}=2380.5mm$

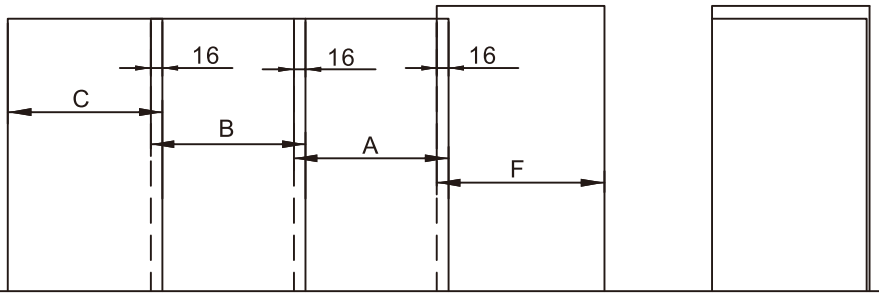
C = (L/3) +16
B = (L/3) +16
A = (L/3) +16
F = (L/3) +26
P = L + F
C=(2380.5/3)+16=809. 5mm
B=(2380.5/3)+16=809. 5mm
A=(2380.5/3)+16=809. 5mm
F=(2380.5/3)+26=819. 5mm



(Right example 1)



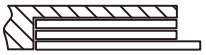
Door frame height=2400mm
Door height=Door frame height-98
Door height=2400-98=2302mm

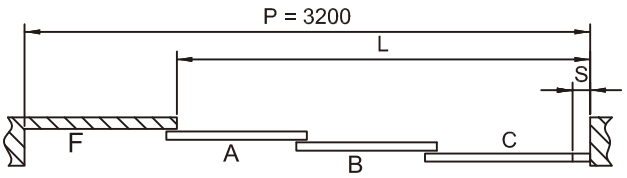


6-1 Example of door size calculation:

------The calculation formulas of left example 2 and right example 2 are the same

(Left example 2)





$L=\frac{3(P-26)+S}{4}$ P=3200mm S=80mm

$L=\frac{3(3200-26)+80}{4}=2400.5mm$

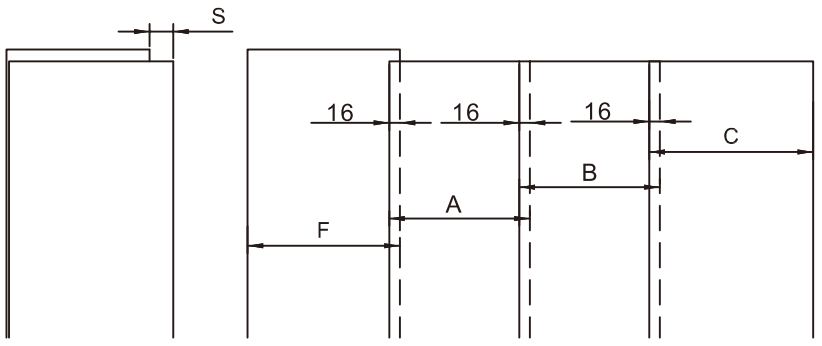
$A=\frac{L-S}{3}+16$

$B=\frac{L-S}{3}+16$

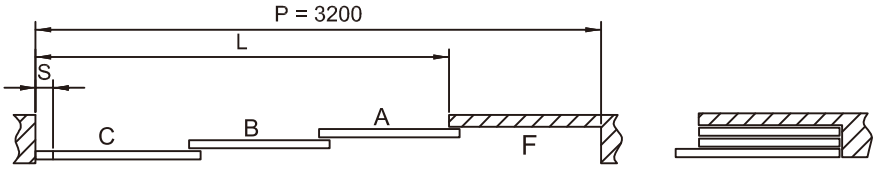
$C=\frac{L+2S}{3}+16$

$F=\frac{L-S}{3}+26$

P = L + F



(Right example 2)

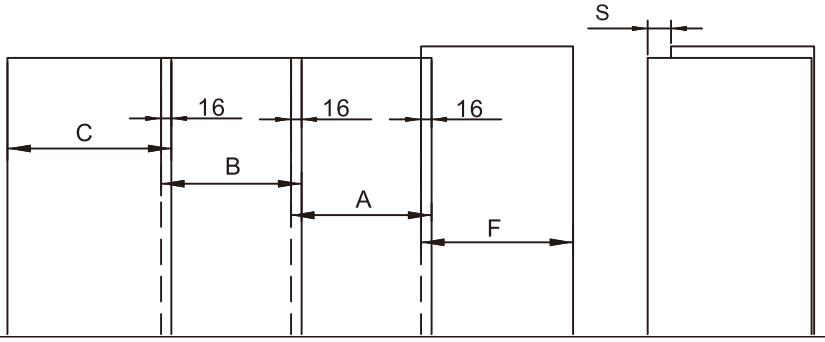


$A=\frac{2400.5-80}{3}+16=789.5mm$

$B=\frac{2400.5-80}{3}+16=789.5mm$

$C=\frac{2400.5+2\times80}{3}+16=869.5mm$

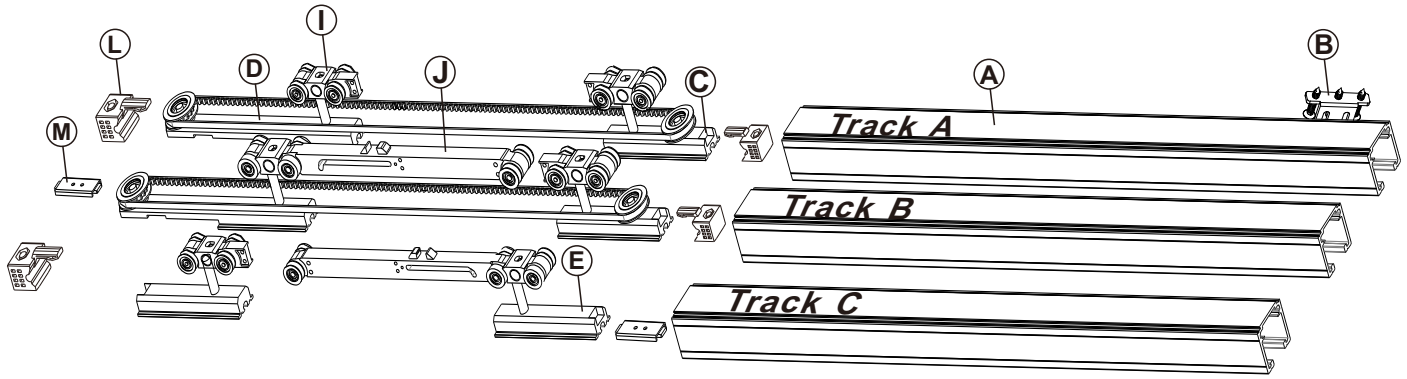
$A=\frac{2400.5-80}{3}+26=799.5mm$

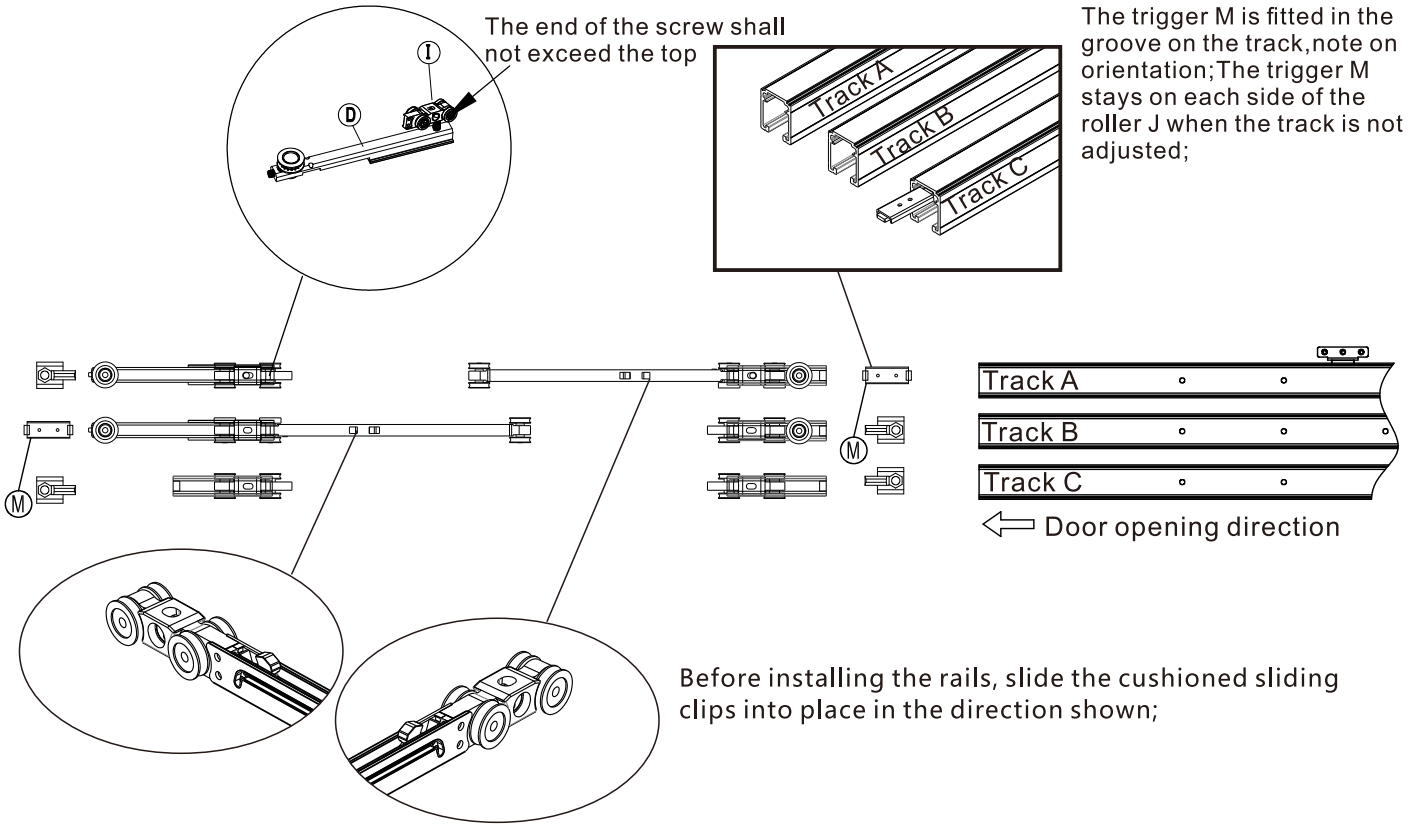


Door frame height=2400mm
Door height=Door frame height-98
Door height=2400-98=2302mm

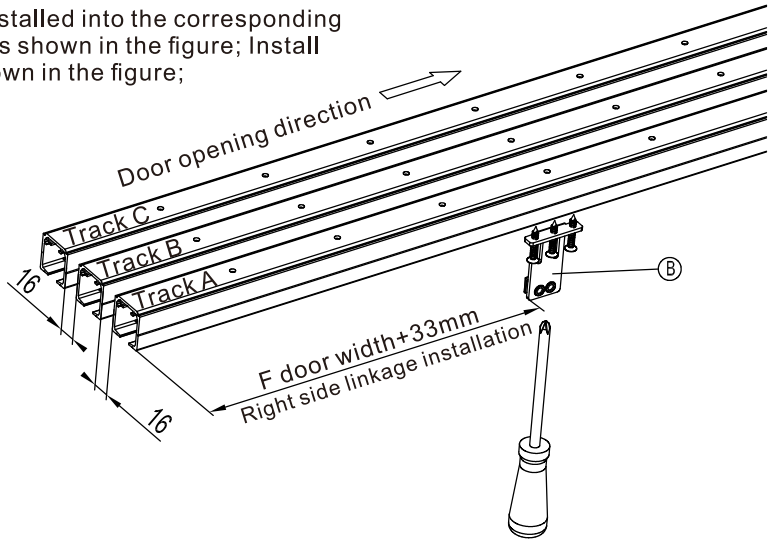
7 Installation accessories

7-1 Right linkage

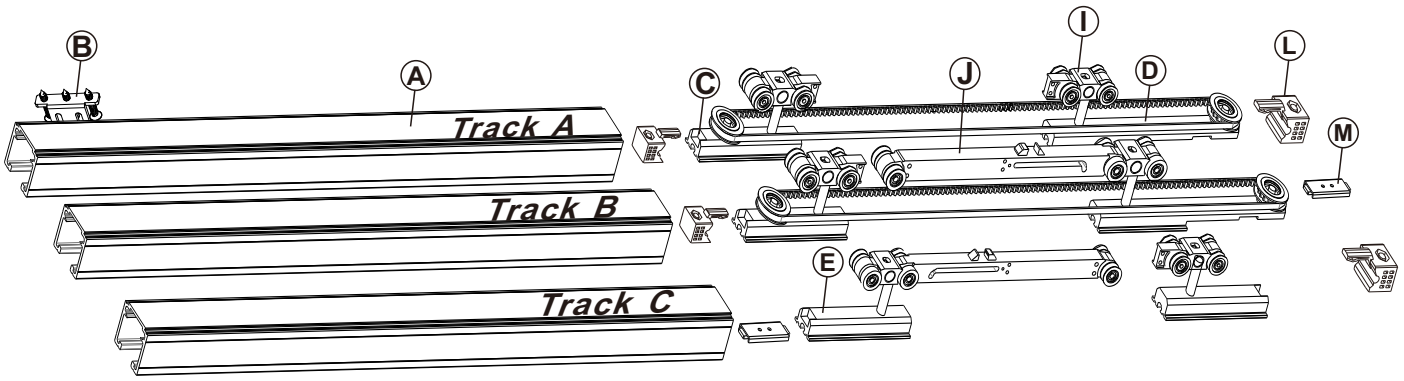




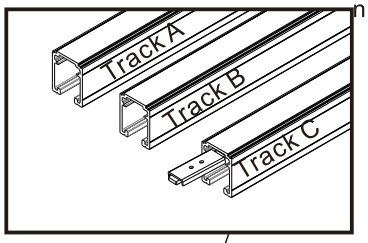
After the accessories are installed into the corresponding track, install the guide rail as shown in the figure; Install the belt fixing plate B as shown in the figure;



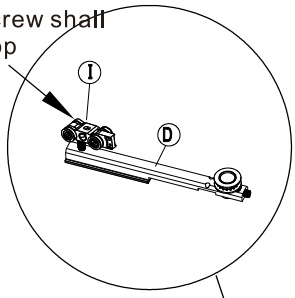
7-2 Left linkage

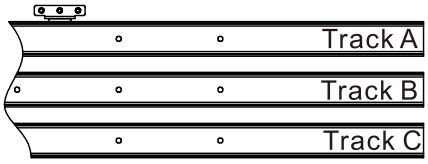


The trigger M is fitted in the groove on the track,note on orientation;The trigger M stays on each side of the roller J when the track is not adjusted;

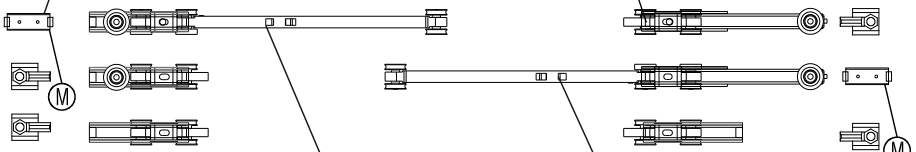


The end of the screw shall not exceed the top

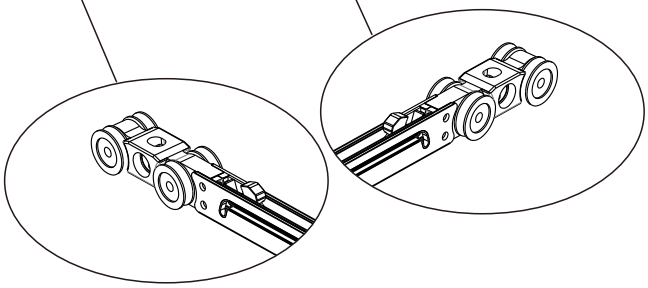




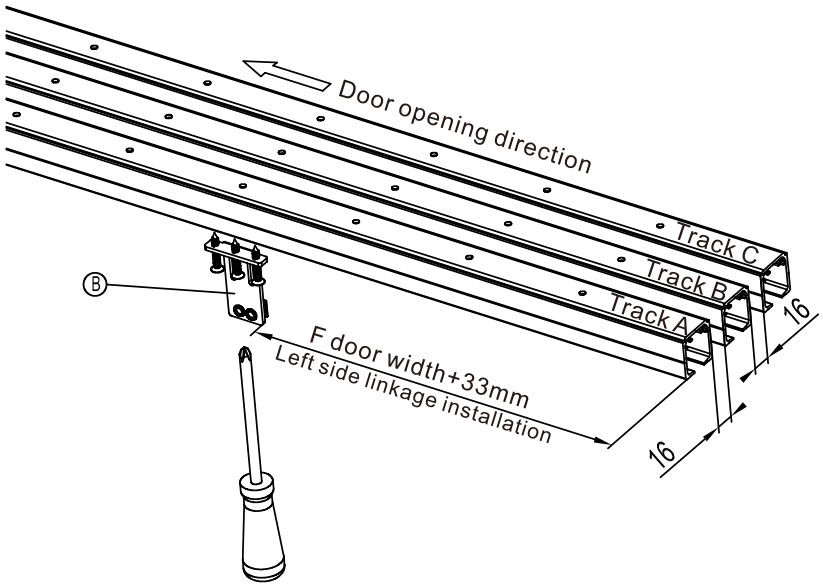
Door opening direction ⇨



Before installing the rails, slide the cushioned sliding clips into place in the direction shown;

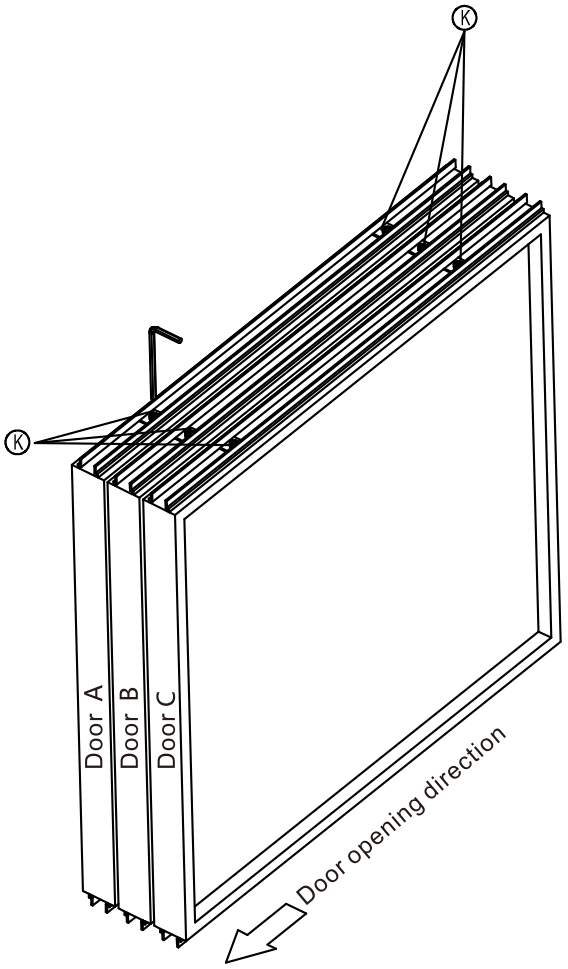


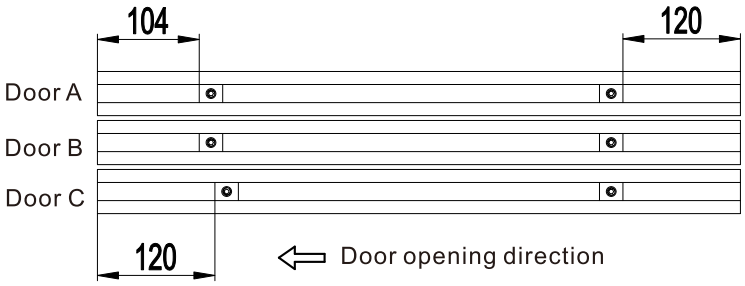
After the accessories are installed into the corresponding track, install the guide rail as shown in the figure; Install the belt fixing plate B as shown in the figure;



8 Install hanger locating piece

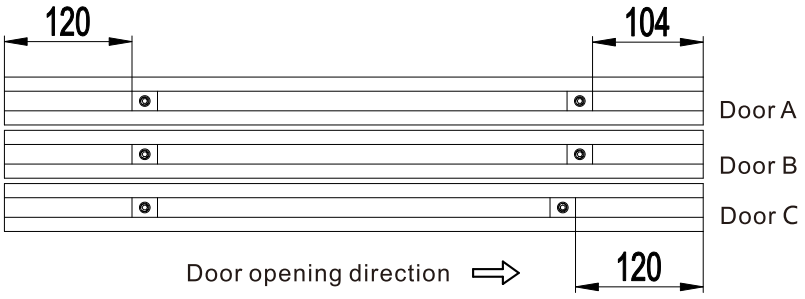
8-1 Right linkage

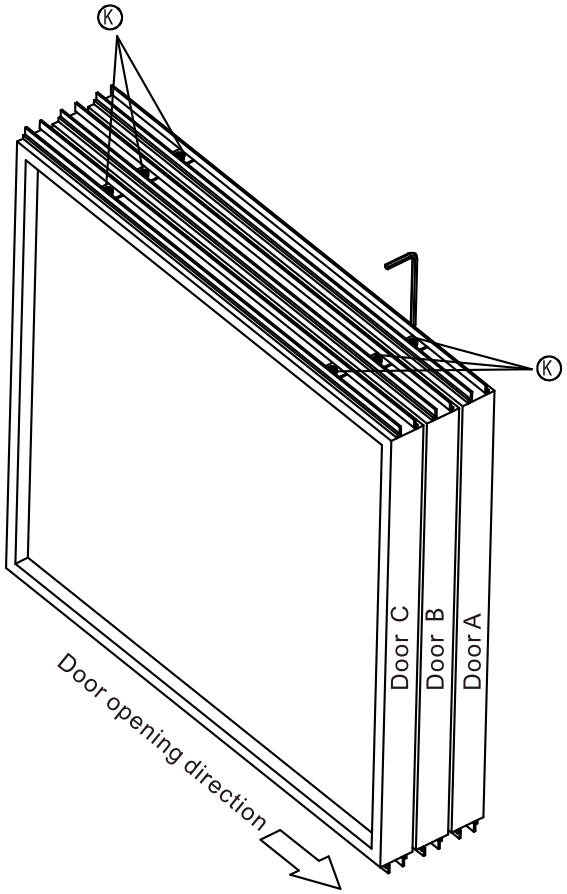




Fix the bracket fixing piece on the corresponding door according to the figure, and pay attention to the direction of the door and the distance between both sides;

8-2 Left linkage



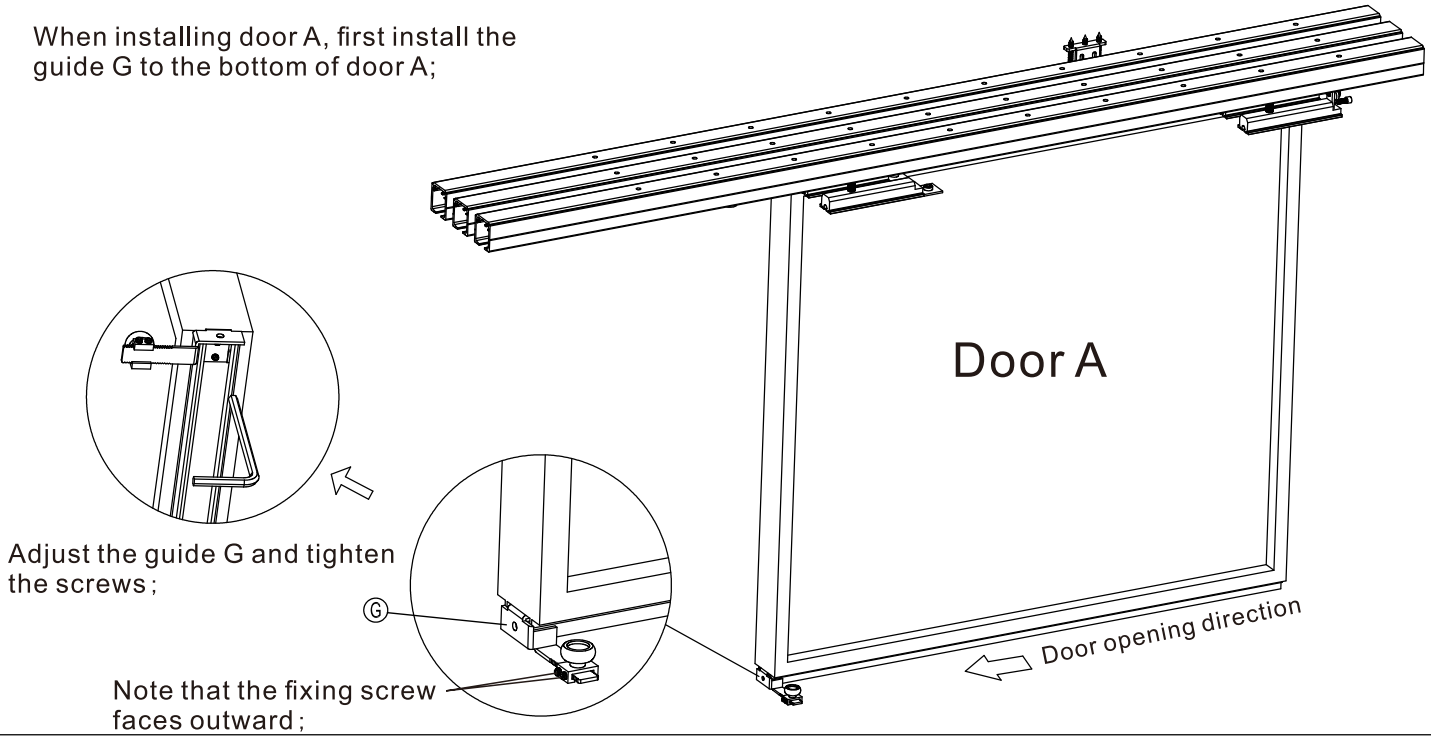


Fix the bracket fixing piece on the corresponding door according to the figure, and pay attention to the direction of the door and the distance between both sides;

9 Install the A-door guide

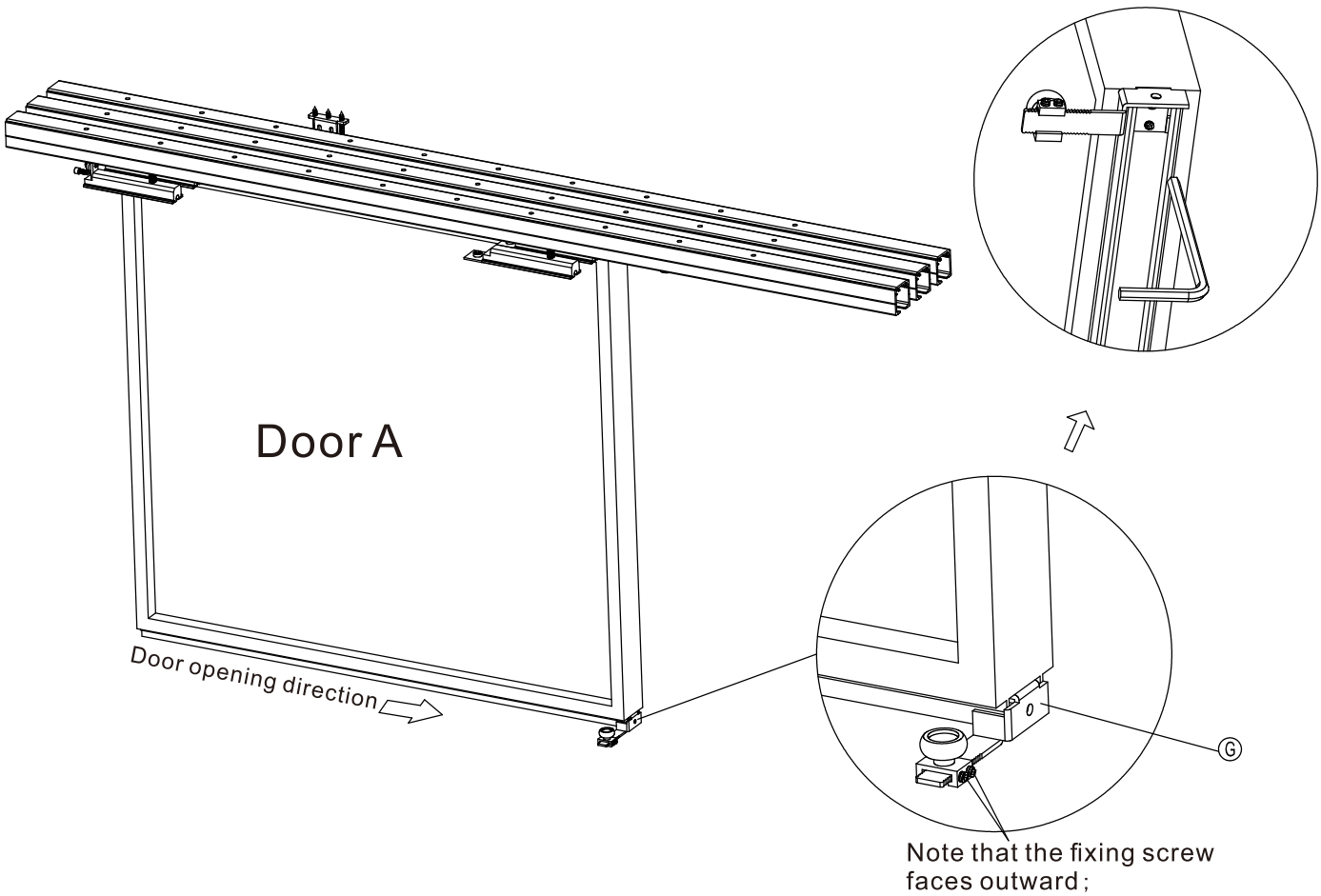
9-1 Right linkage

When installing door A, first install the guide G to the bottom of door A;



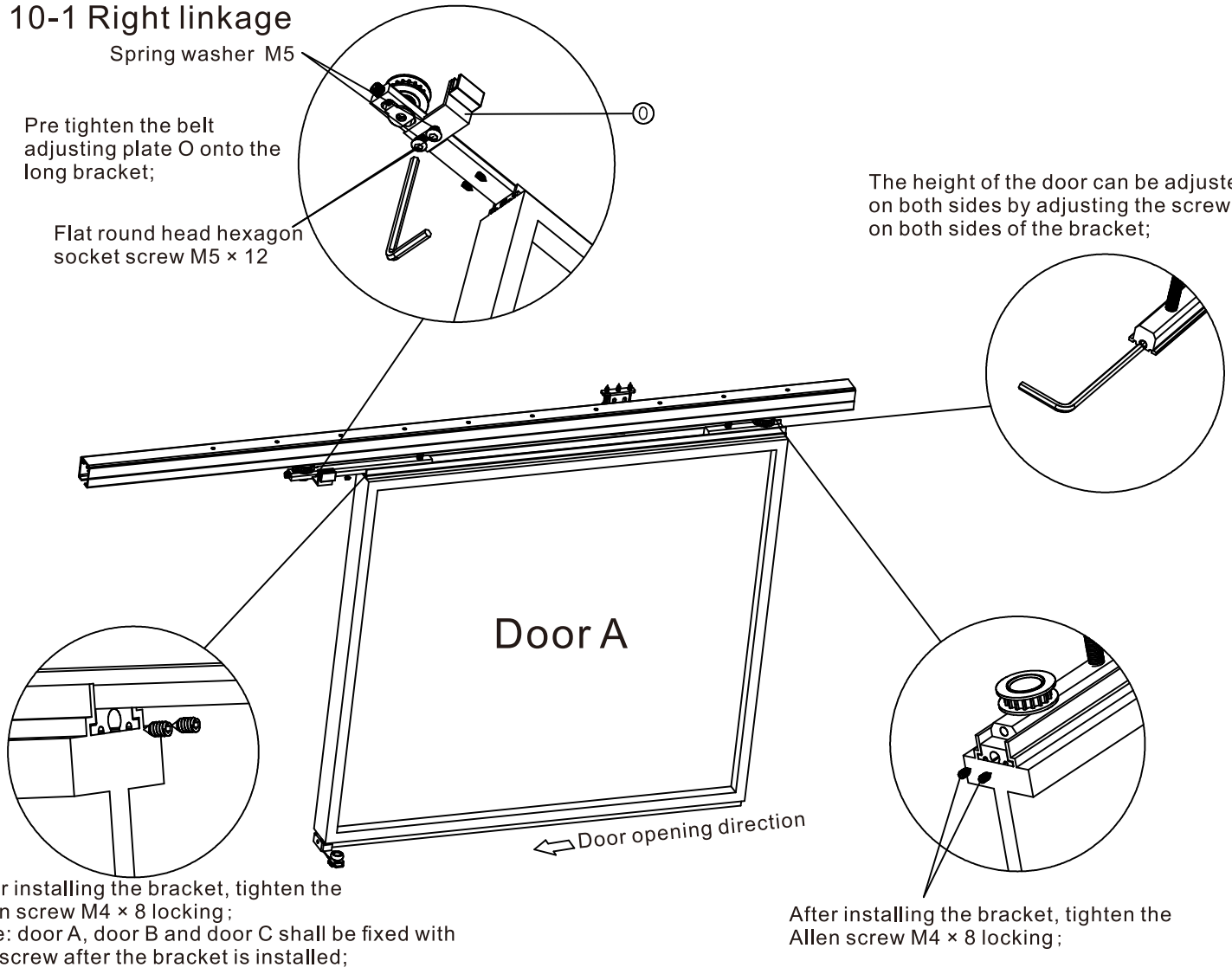
9-2 Left linkage

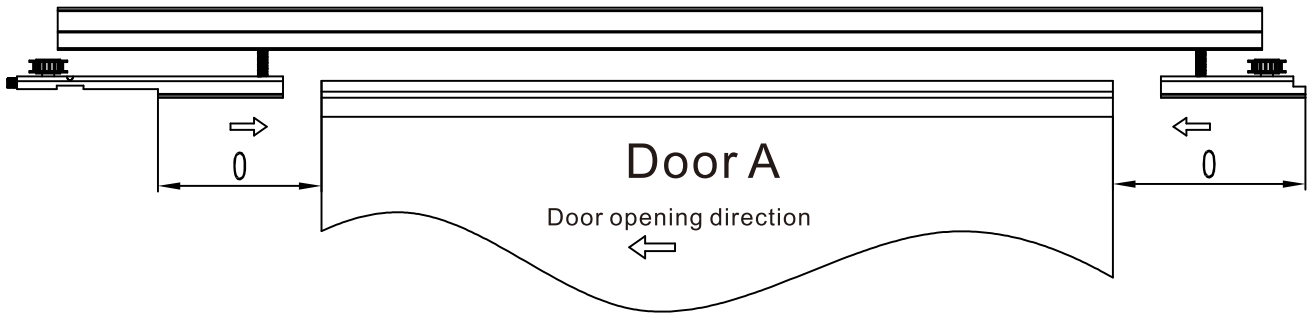
When installing door A, first install the guide G to the bottom of door A;

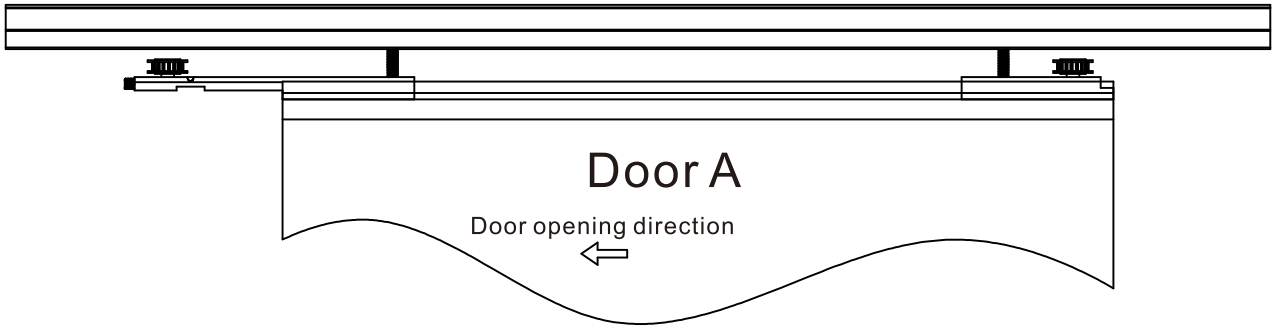


10 Install door a accessories

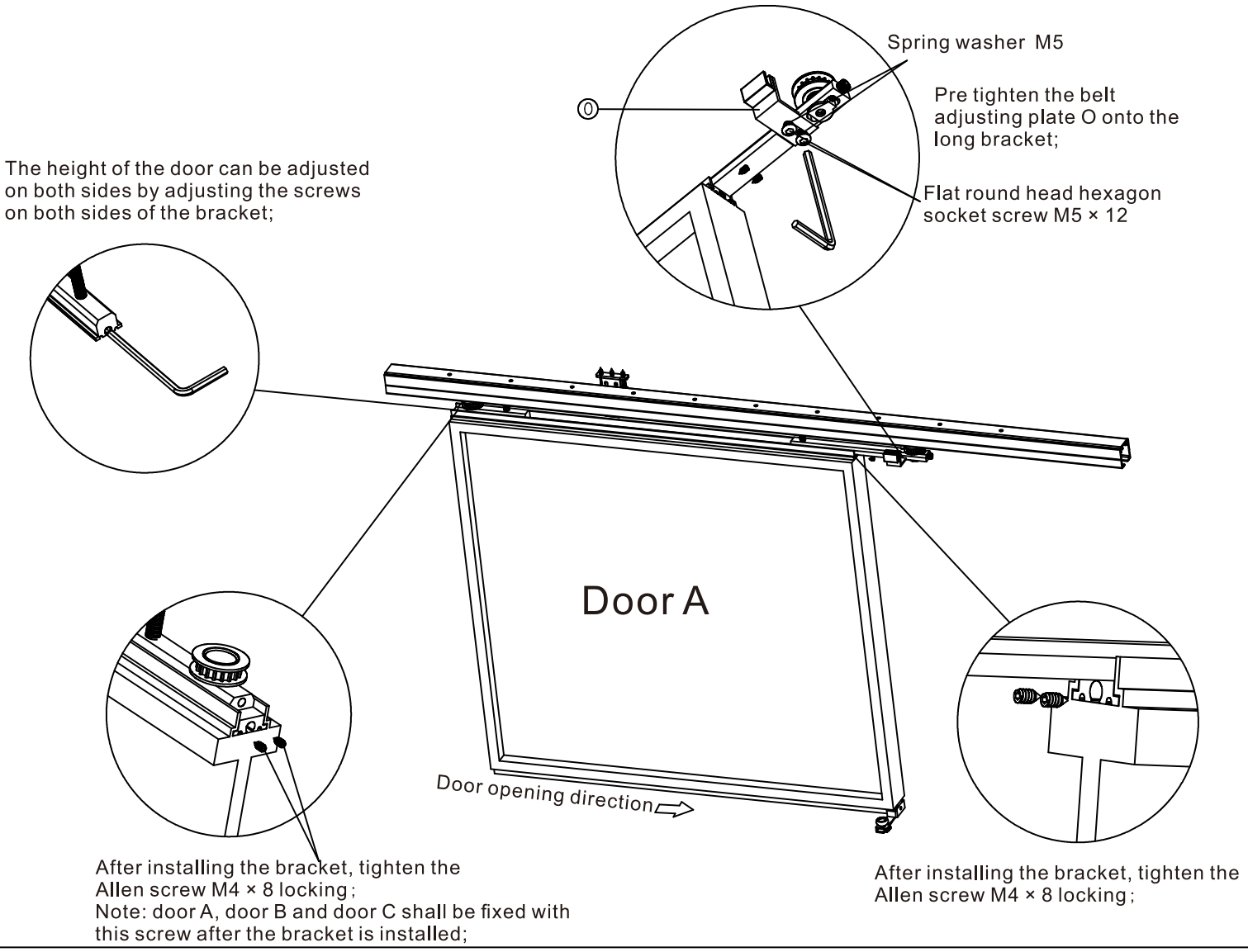
10-1 Right linkage

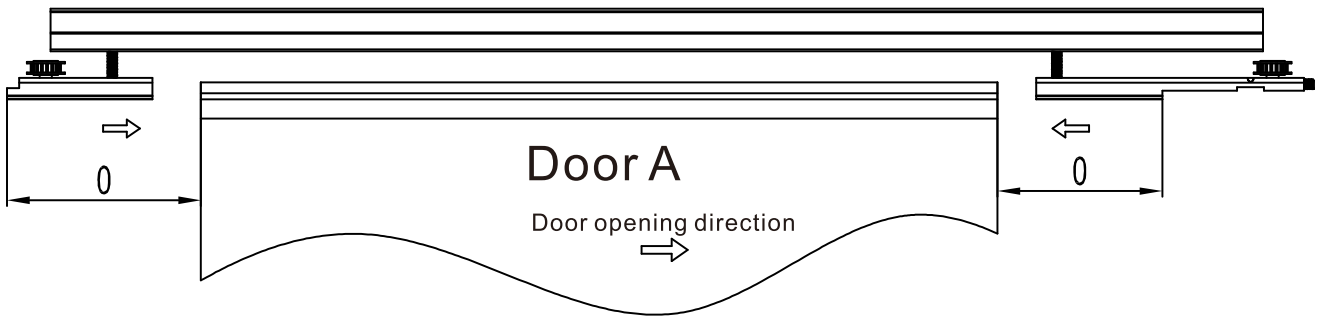


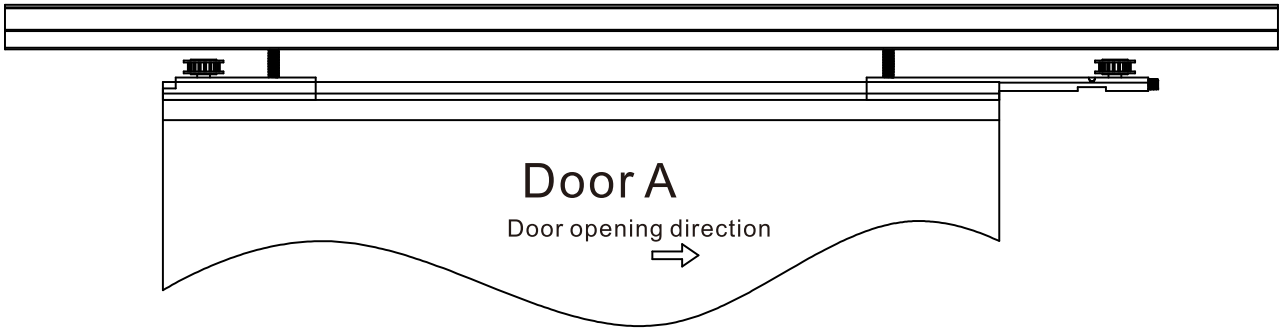




10-2 Left linkage

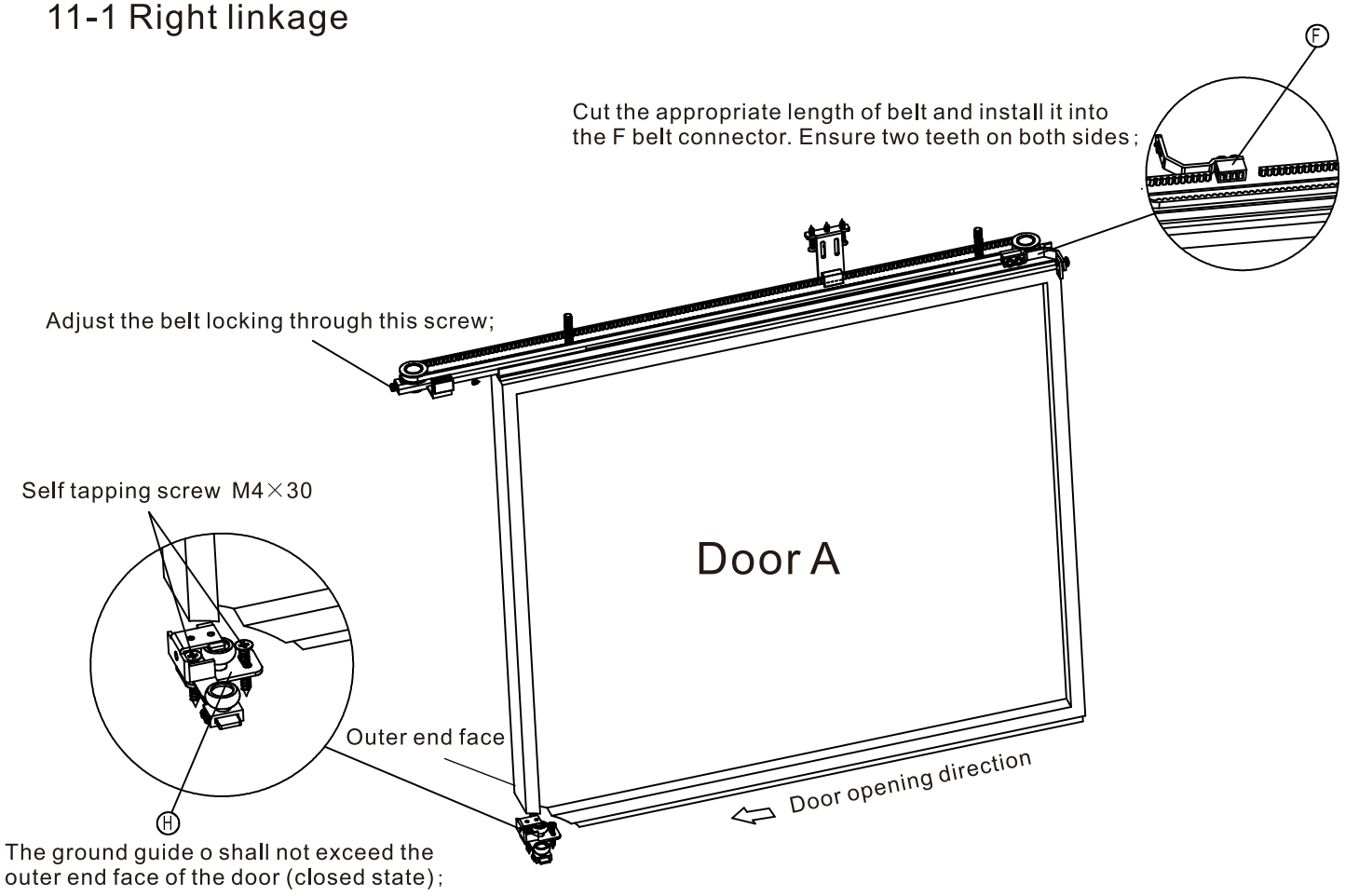




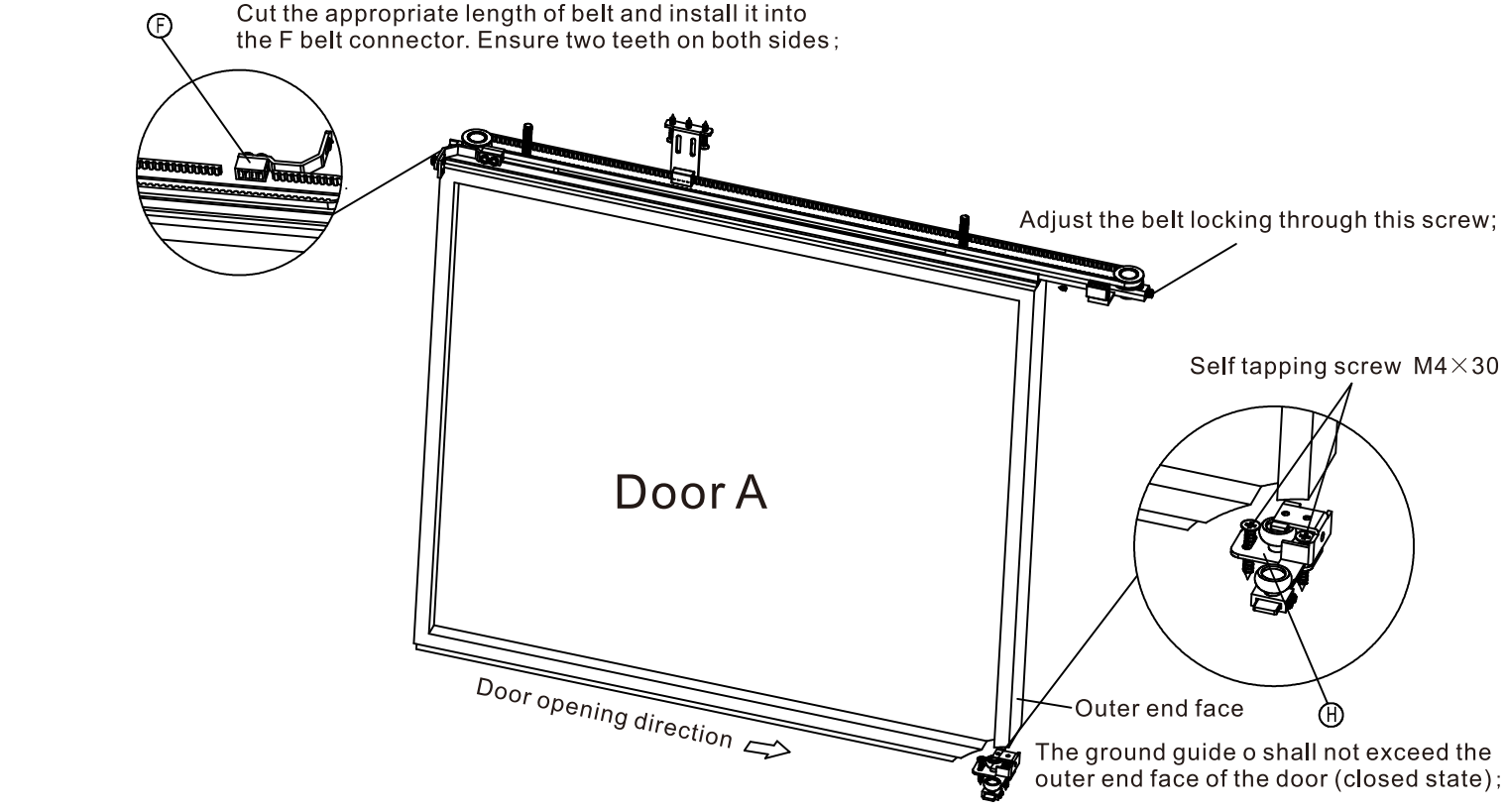


11 Install door A ground guide

11-1 Right linkage

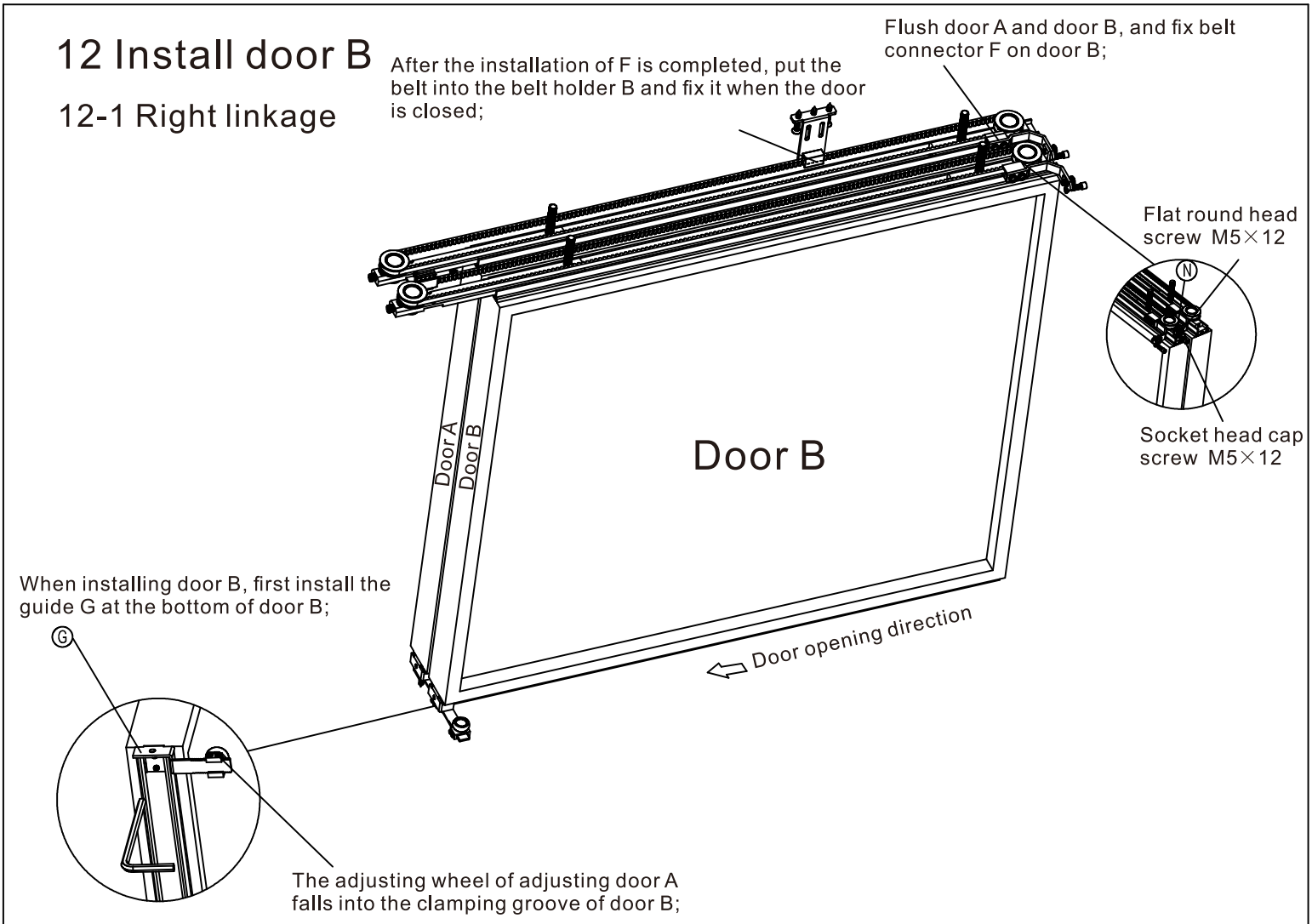


11-2 Left linkage

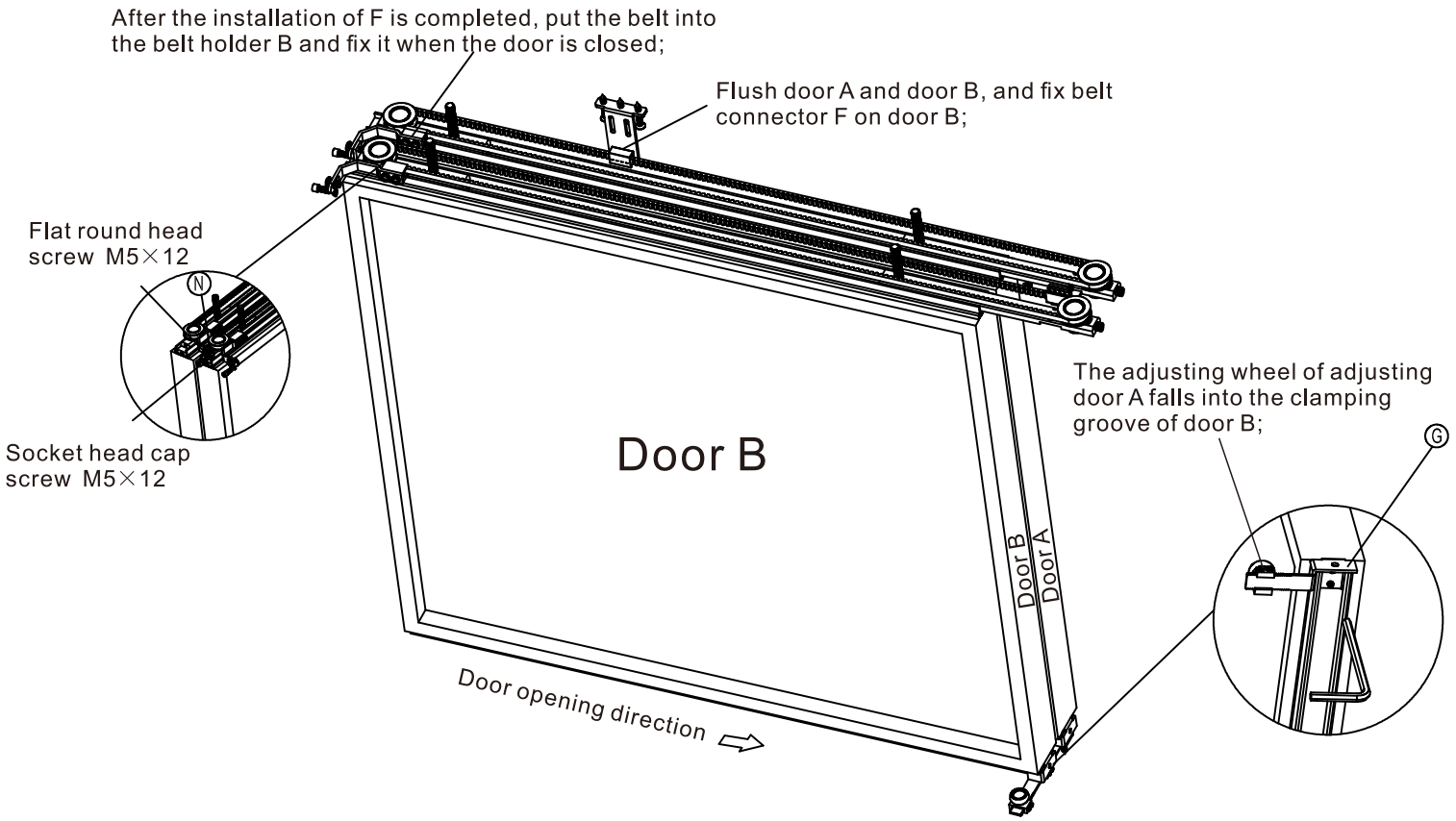


12 Install door B

12-1 Right linkage

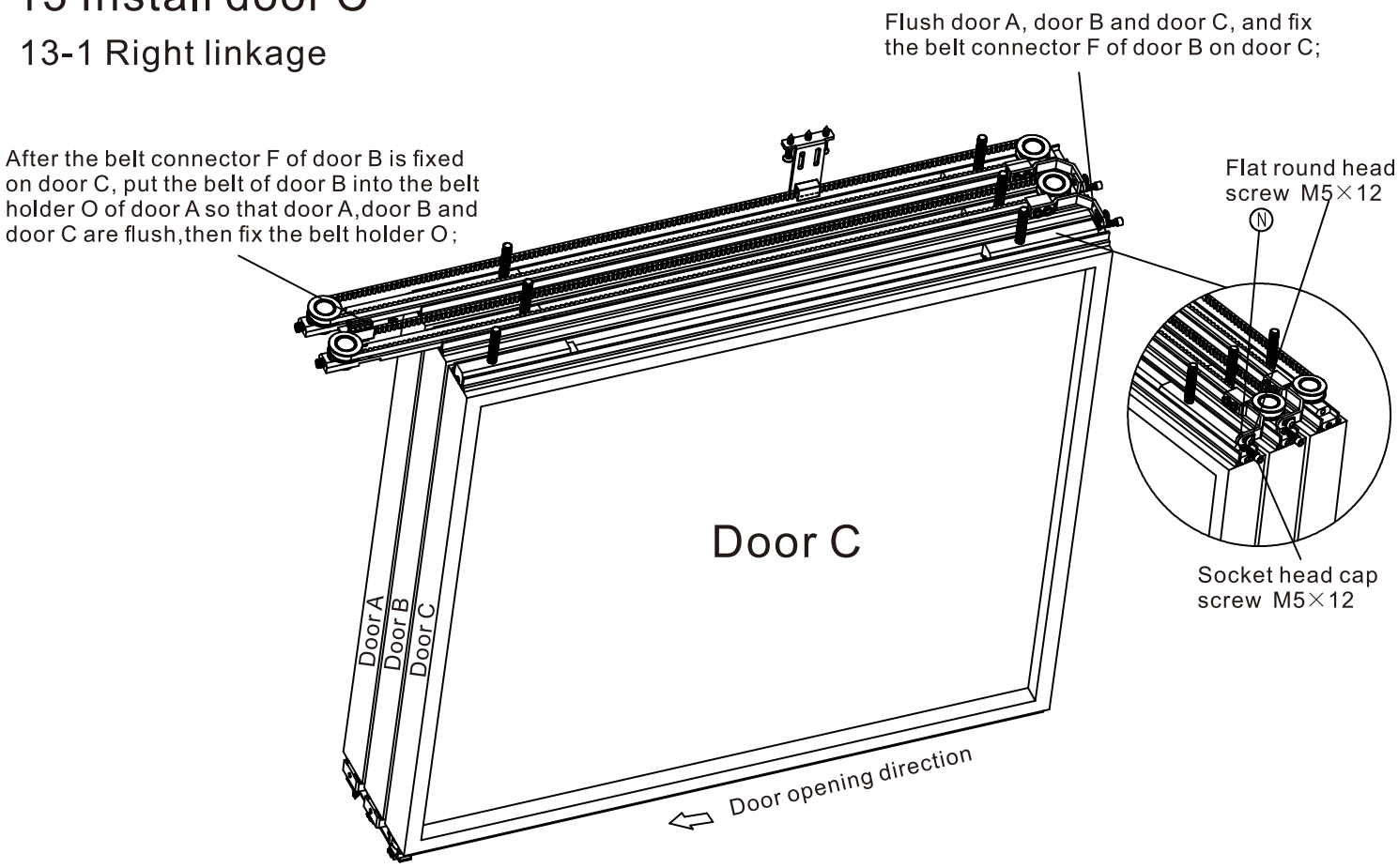


12-2 Left linkage

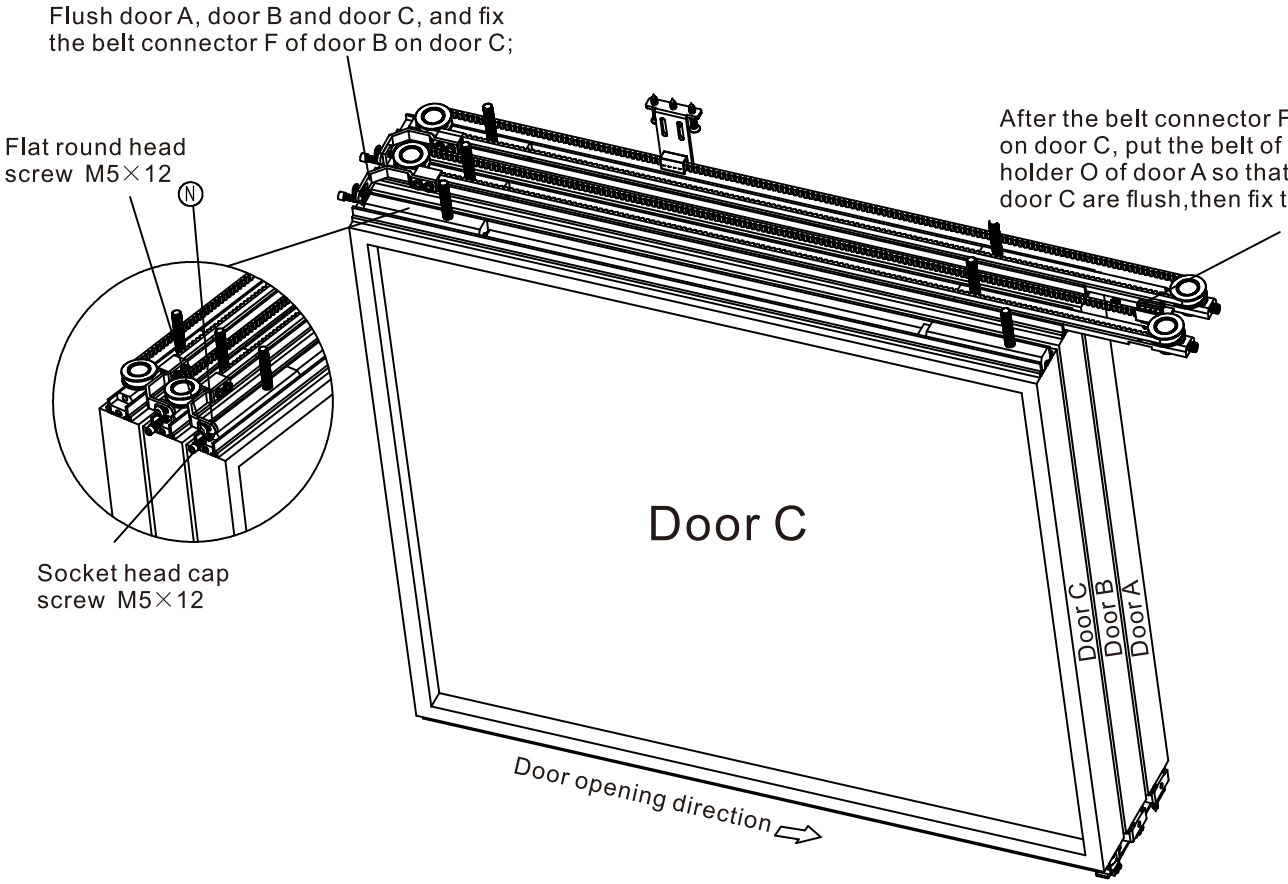


13 Install door C

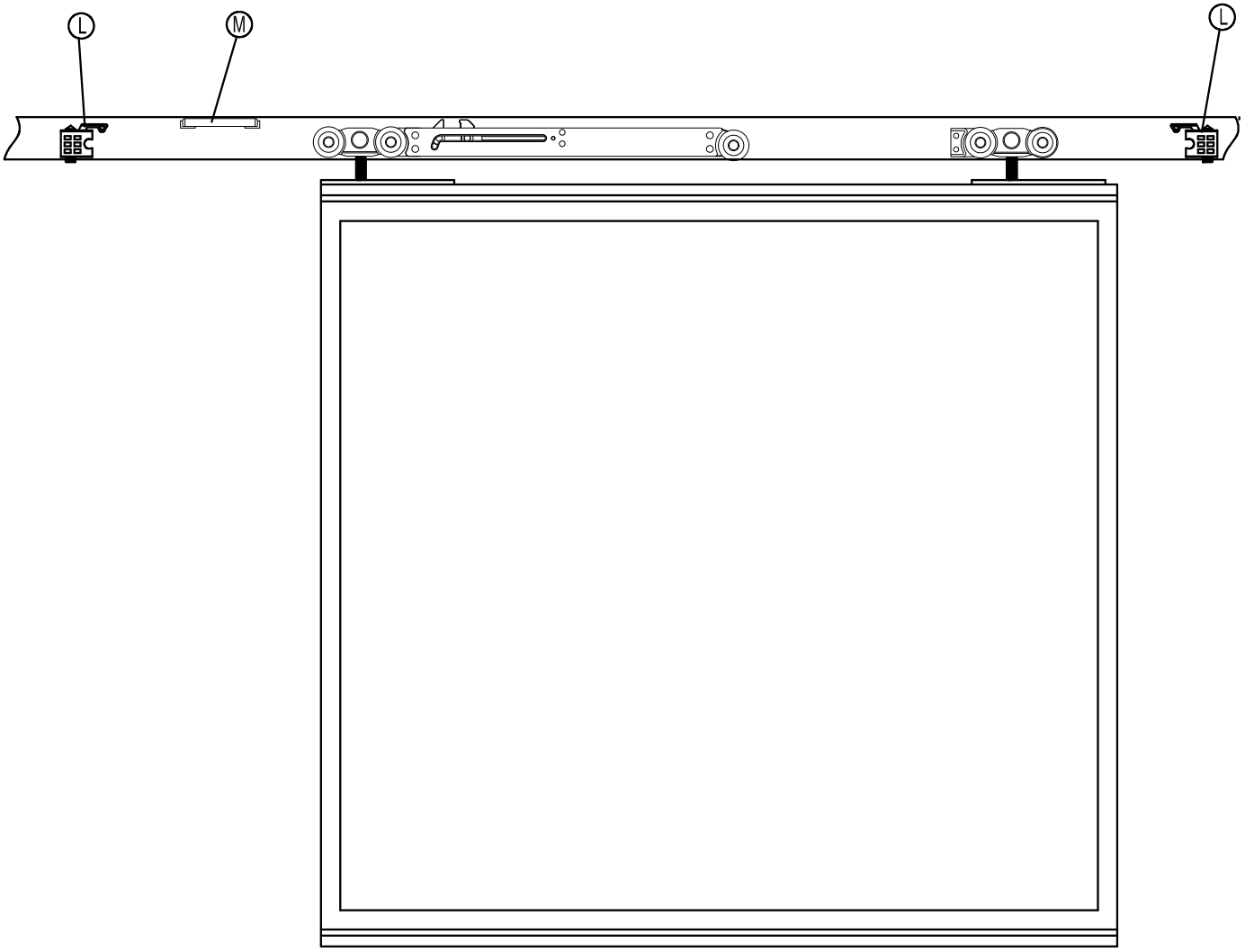
13-1 Right linkage



13-2 Left linkage



The positioning buckle L and the buffer paddle m
are adjusted on site according to the actual size;



Installation finished!