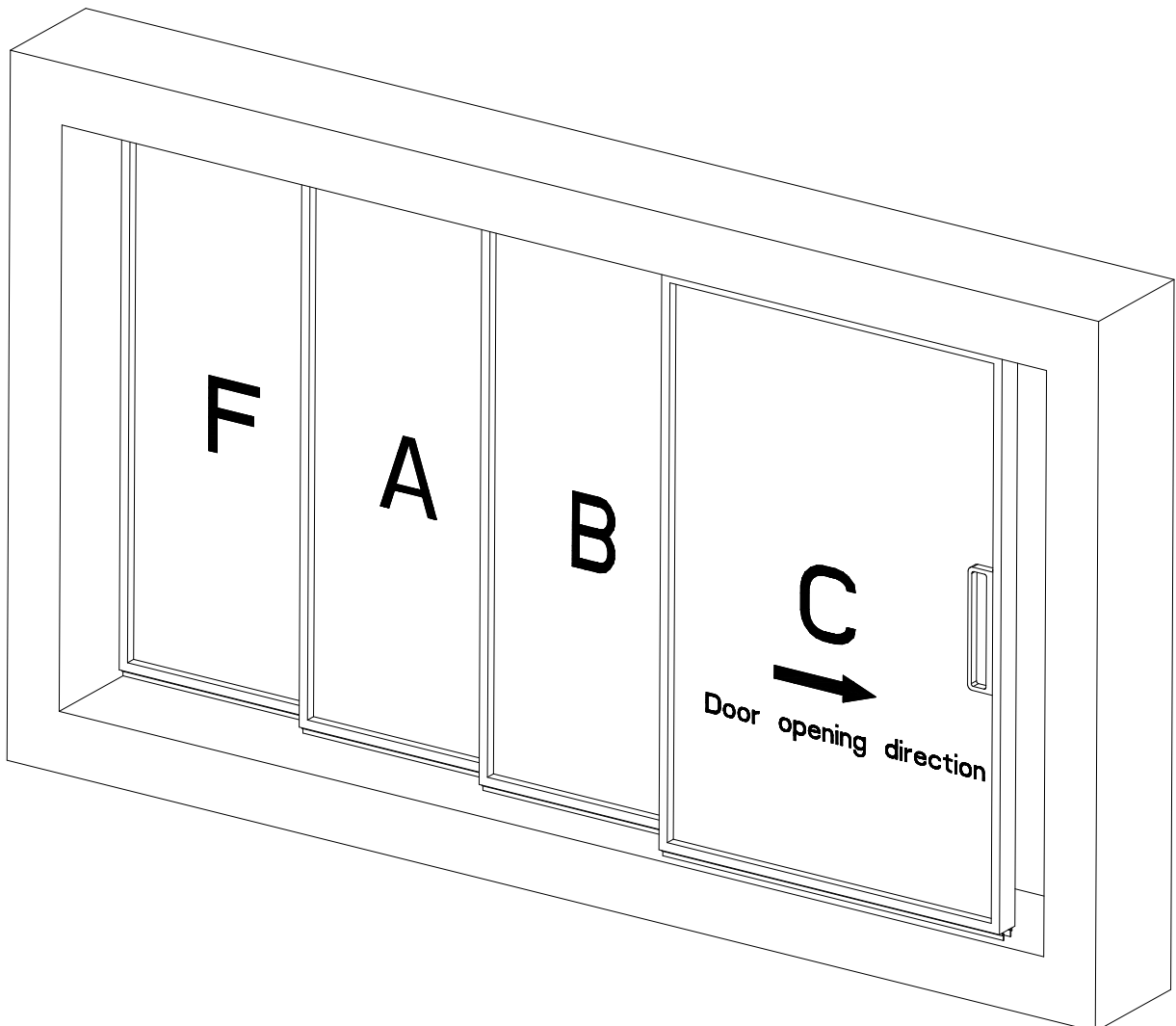
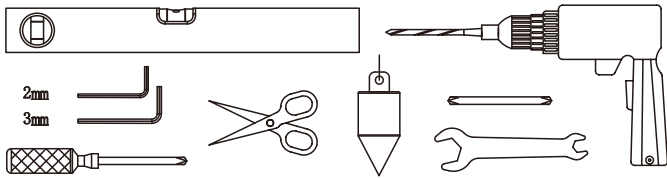


Installation instructions for buffer three linkage sliding door system

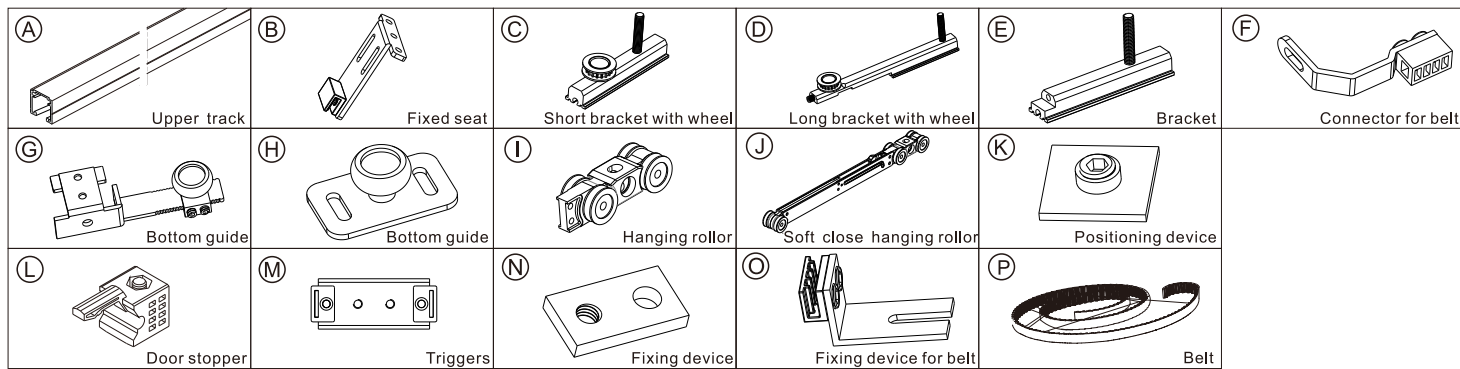
Installation instructions:

- 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;

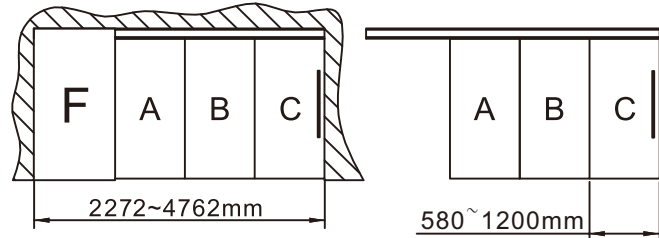
Installation tools:



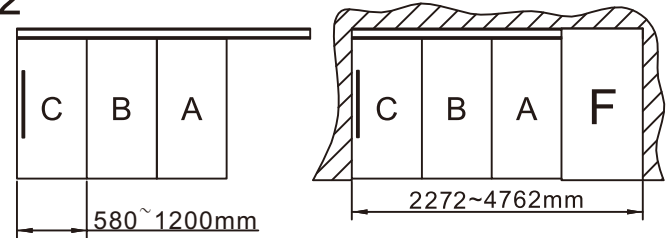
Accessories list



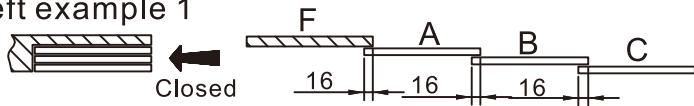
1 Left linkage plan



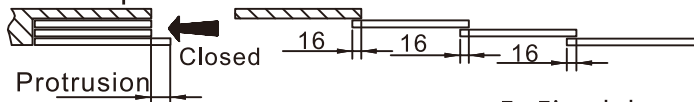
2 Right linkage plan



Left example 1

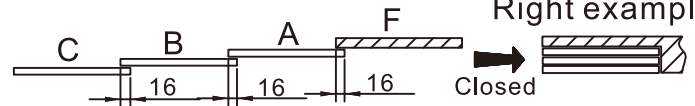


Left example 2

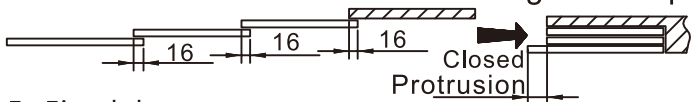


F=Fixed door
C=Sliding door

Right example 1

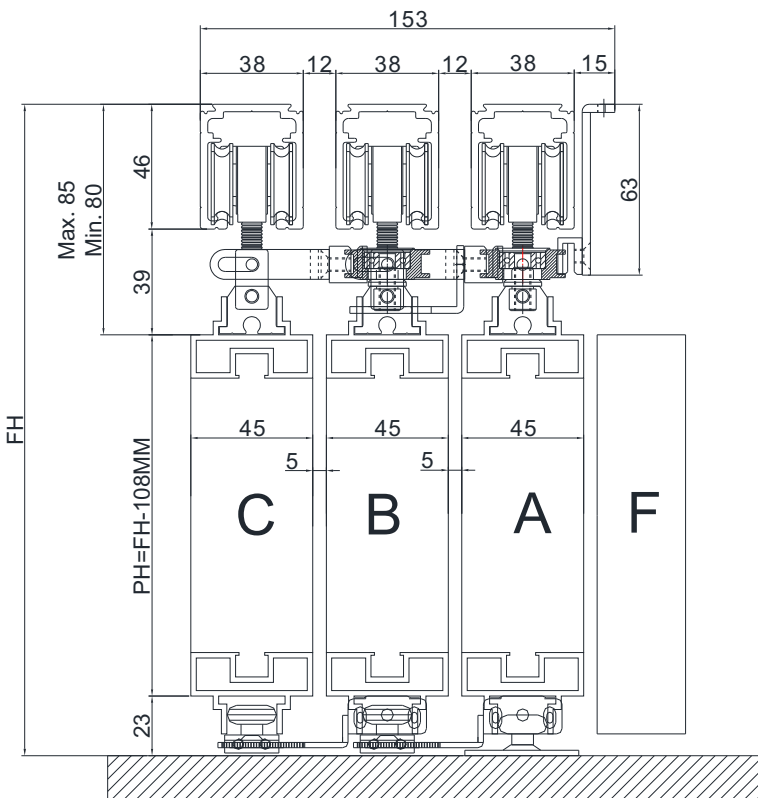


Right example 2

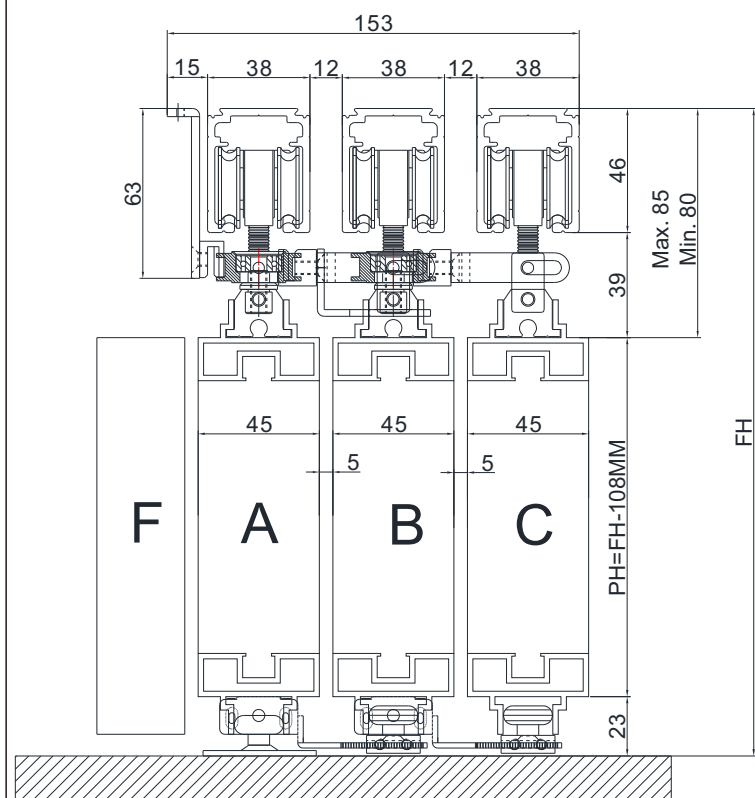


F=Fixed door
C=Sliding door

3 Cross section diagram of Left linkage



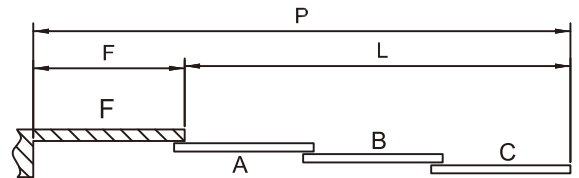
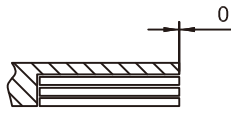
4 Cross section diagram of Right linkage



5 Calculation formula of door width:

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

(Left example 1)



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

$$C = (L/3) + 16$$

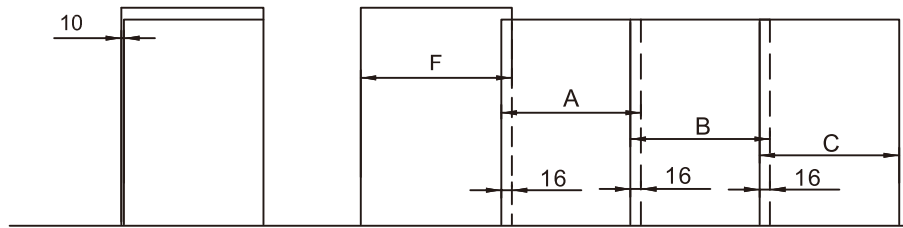
$$B = (L/3) + 16$$

$$A = (L/3) + 16$$

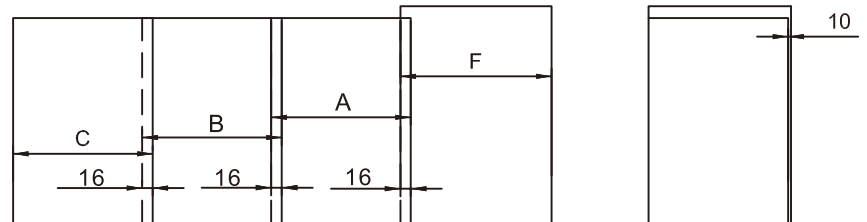
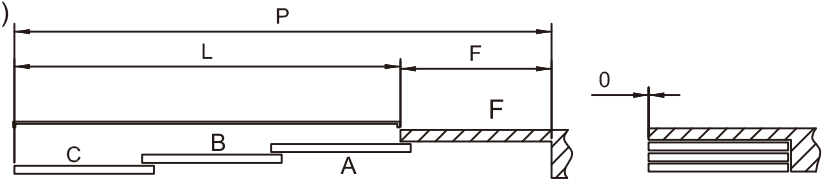
$$F = (L/3) + 26$$

$$P = L + F$$

$$\text{Door height} = \text{Door frame height} - 98$$



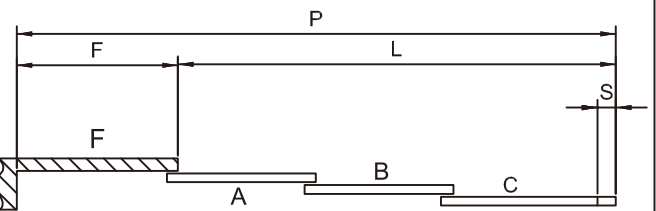
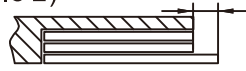
(Right example 1)



6 Calculation formula of door width:

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

(Left example 2)



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

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

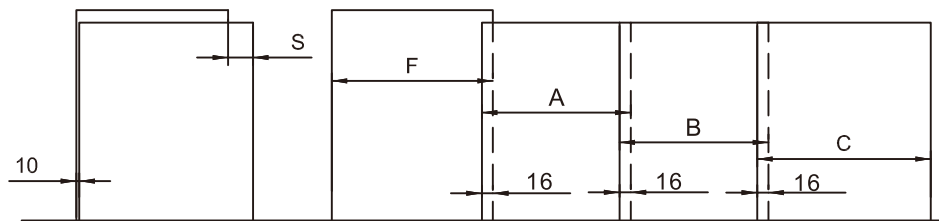
$$B = \frac{L-S}{3} + 16$$

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

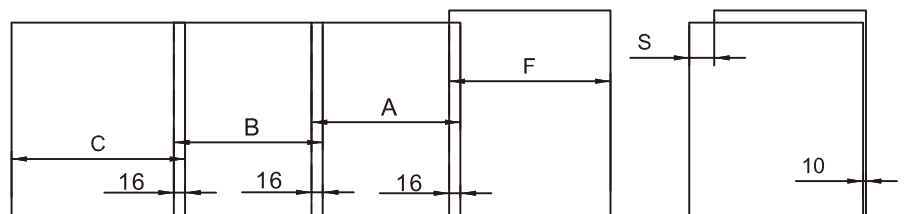
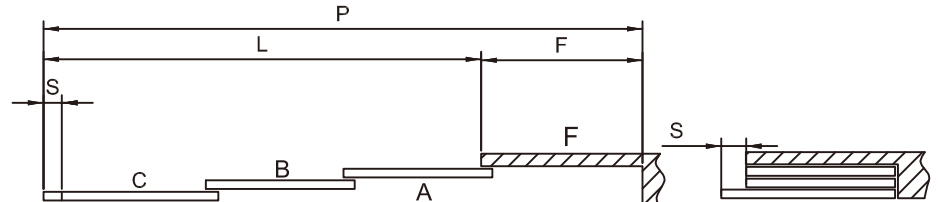
$$F = \frac{L-S}{3} + 26$$

$$P = L + F$$

$$\text{Door height} = \text{Door frame height} - 98$$



(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)

$$L = \frac{(P \times 3) - 165}{4} \quad P = 3200 \text{ mm}$$

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

$$C = (L/3) + 16$$

$$B = (L/3) + 16$$

$$A = (L/3) + 16$$

$$F = (L/3) + 26$$

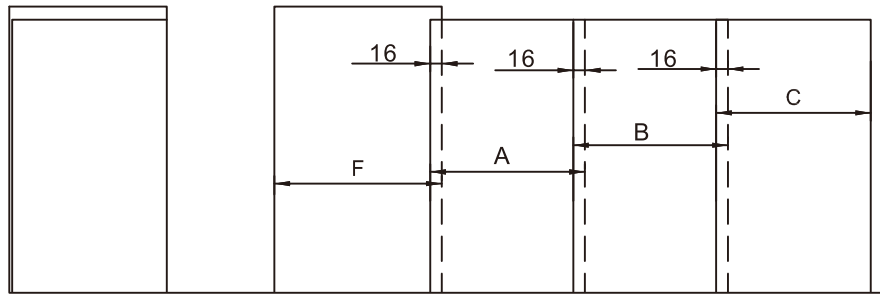
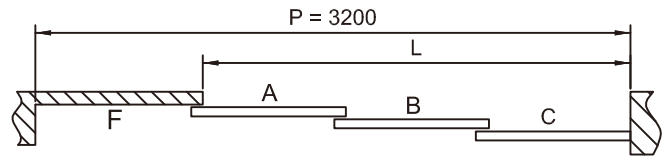
$$P = L + F$$

$$C = (2380.5/3) + 16 = 809.5 \text{ mm}$$

$$B = (2380.5/3) + 16 = 809.5 \text{ mm}$$

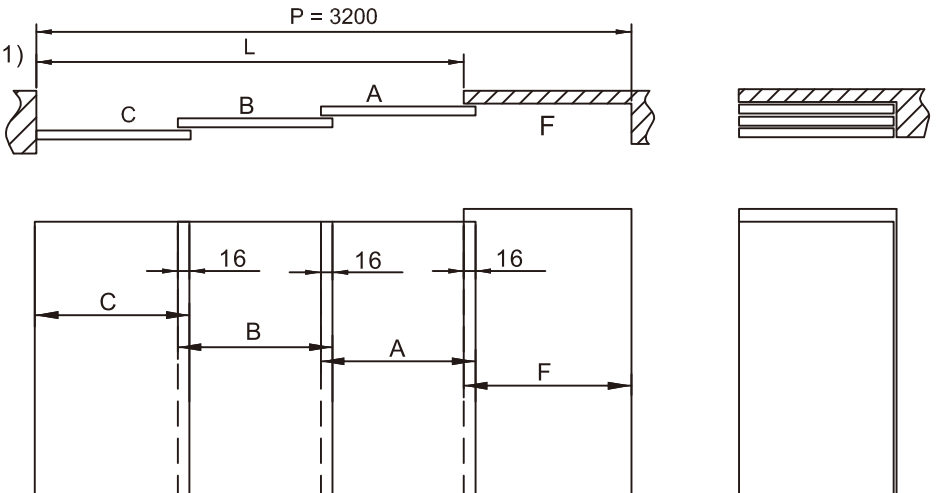
$$A = (2380.5/3) + 16 = 809.5 \text{ mm}$$

$$F = (2380.5/3) + 26 = 819.5 \text{ mm}$$



(Right example 1)

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



6-1 Example of door size calculation:

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

(Left example 2)

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

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

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

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

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

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

$$P = L + F$$

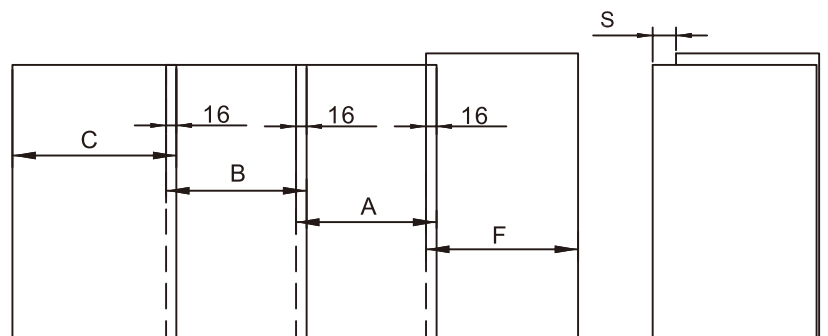
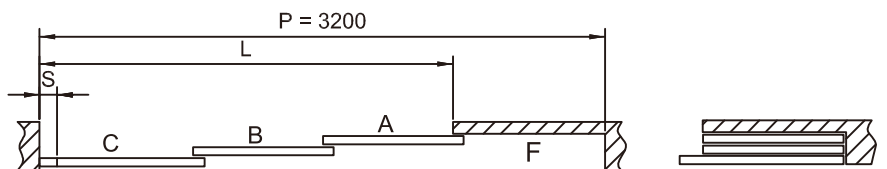
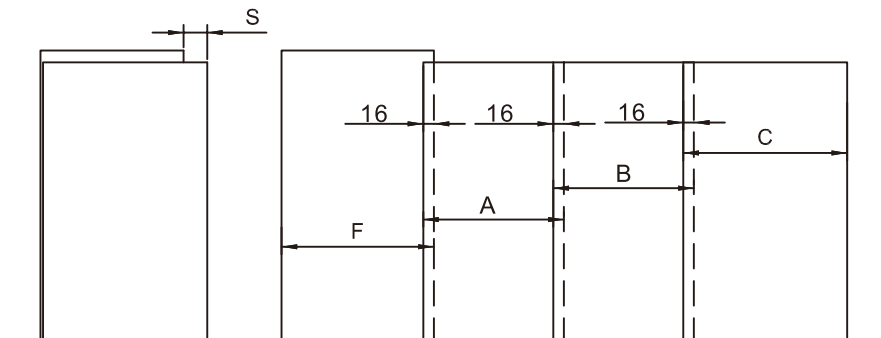
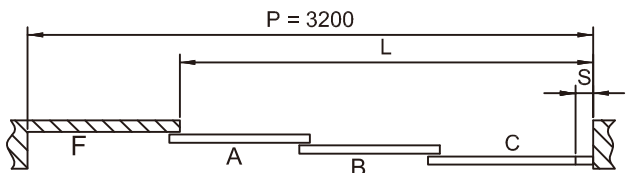
(Right example 2)

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

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

$$C = \frac{2400.5 + 2 \times 80}{3} + 16 = 869.5 \text{ mm}$$

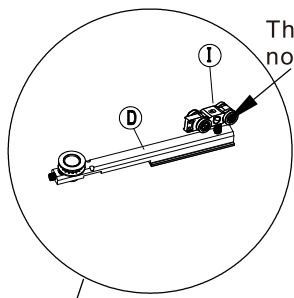
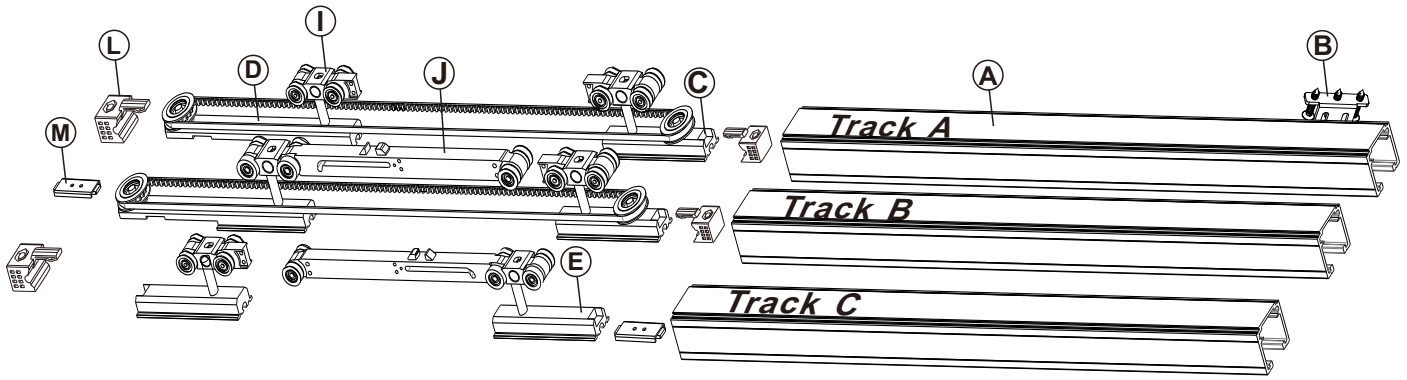
$$A = \frac{2400.5 - 80}{3} + 26 = 799.5 \text{ mm}$$



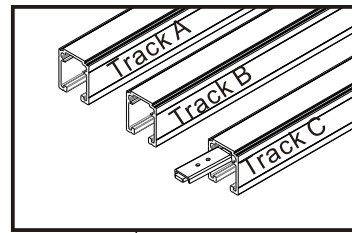
Door frame height = 2400 mm
 Door height = Door frame height - 98
 Door height = 2400 - 98 = 2302 mm

7 Installation accessories

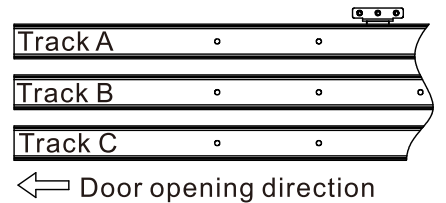
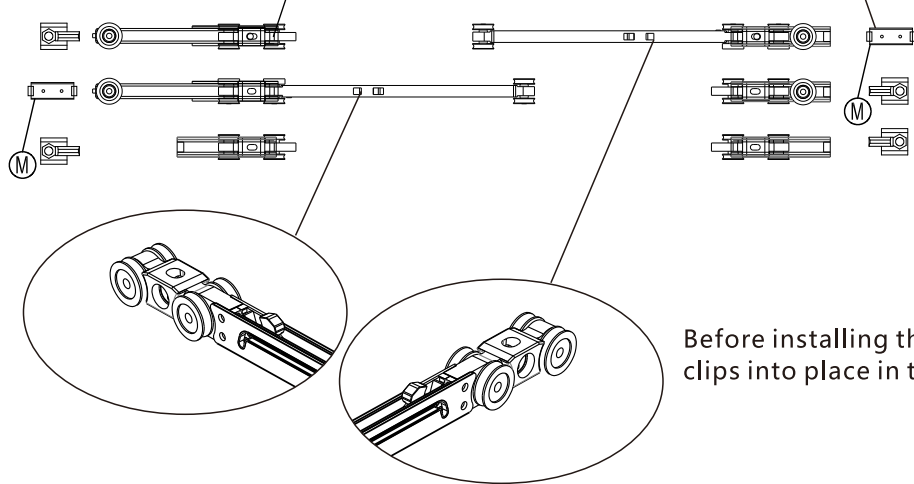
7-1 Right linkage



The end of the screw shall not exceed the top



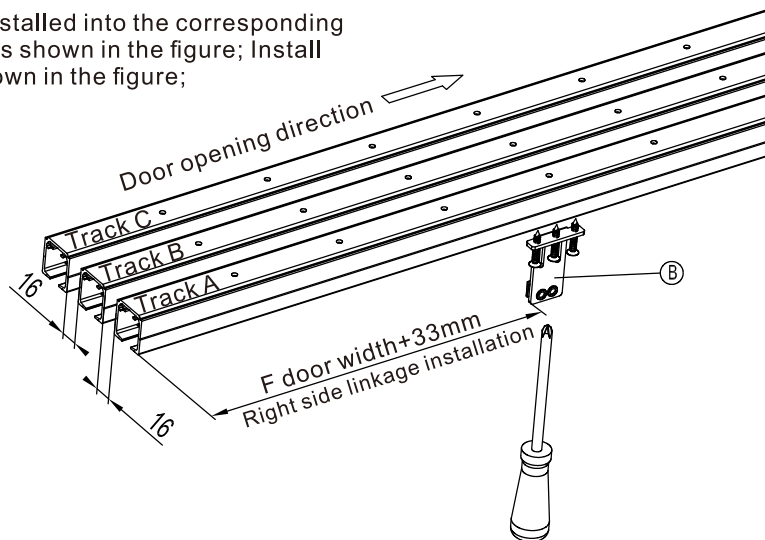
The trigger M is fitted in the groove on the track, note on orientation; The trigger M stays on each side of the roller J when the track is not adjusted;



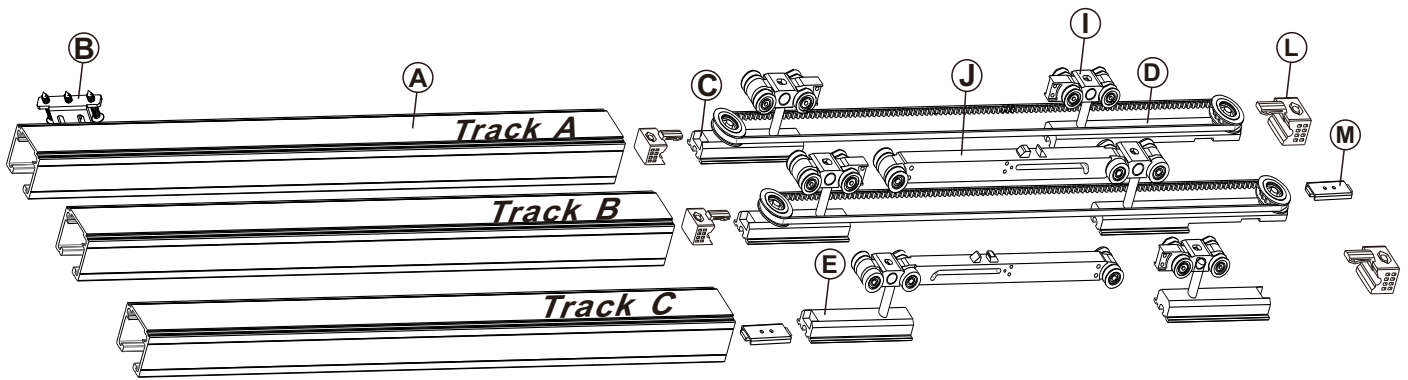
← Door opening direction

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

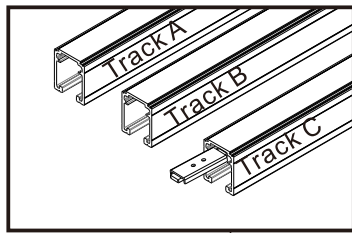
After the accessories are installed into the corresponding track, install the guide rail as shown in the figure; Install the belt fixing plate B as shown in the figure;



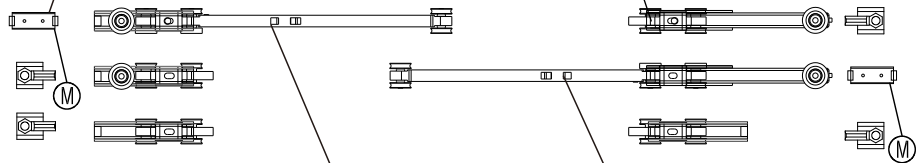
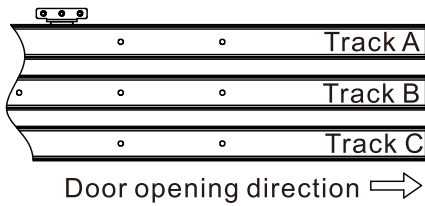
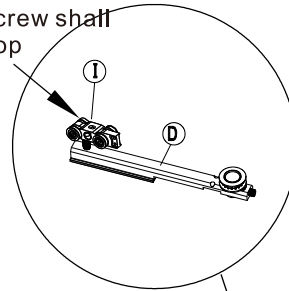
7-2 Left linkage



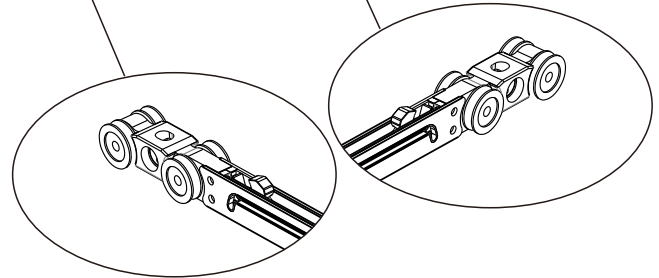
The trigger M is fitted in the groove on the track, note on orientation; The trigger M stays on each side of the roller J when the track is not adjusted;



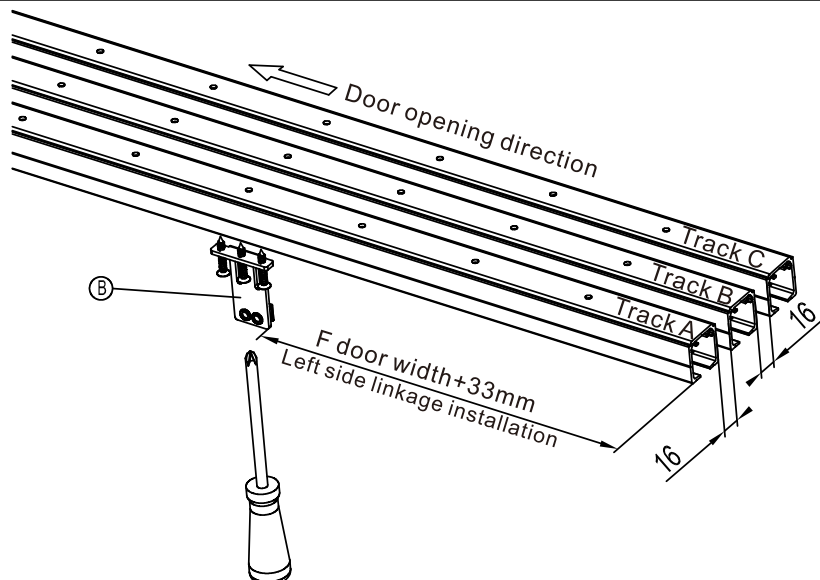
The end of the screw shall not exceed the top



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

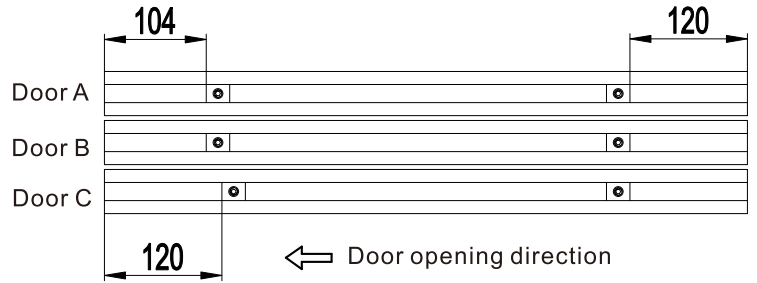
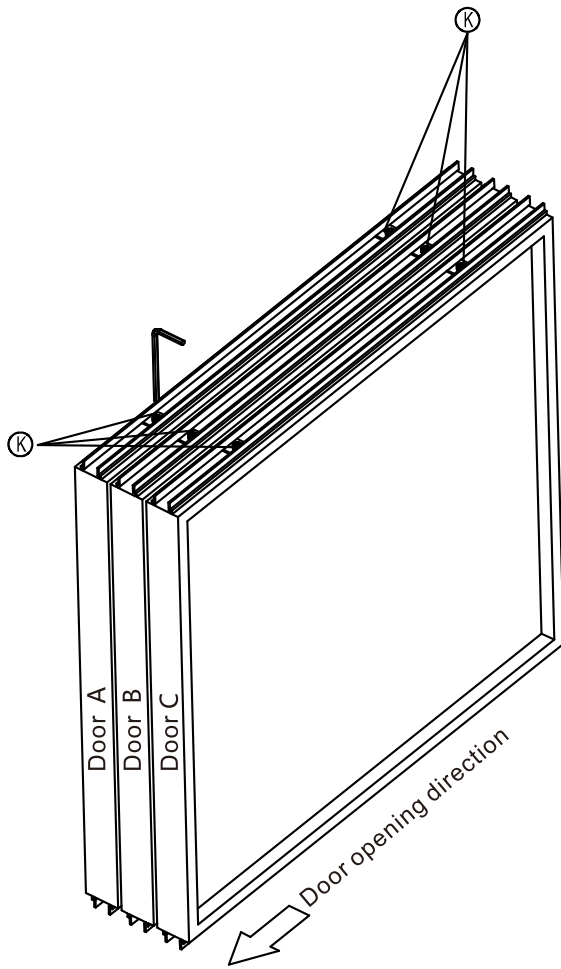


After the accessories are installed into the corresponding track, install the guide rail as shown in the figure; Install the belt fixing plate B as shown in the figure;



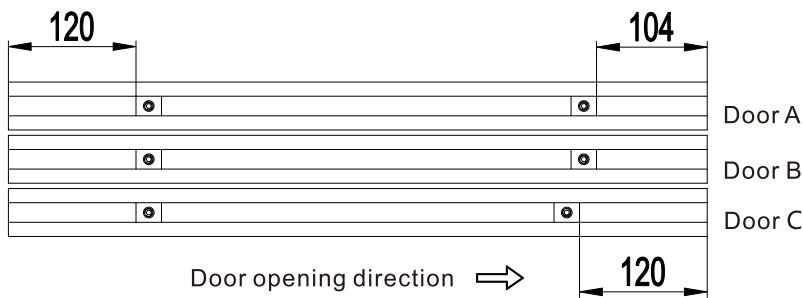
8 Install hanger locating piece

8-1 Right linkage

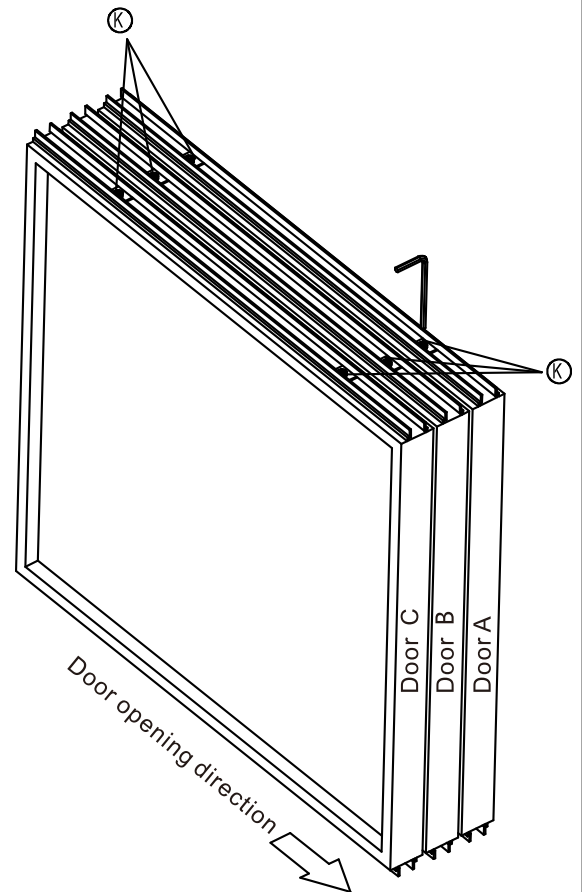


Fix the bracket fixing piece on the corresponding door according to the figure, and pay attention to the direction of the door and the distance between both sides;

8-2 Left linkage



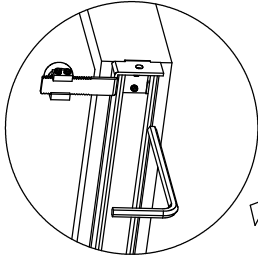
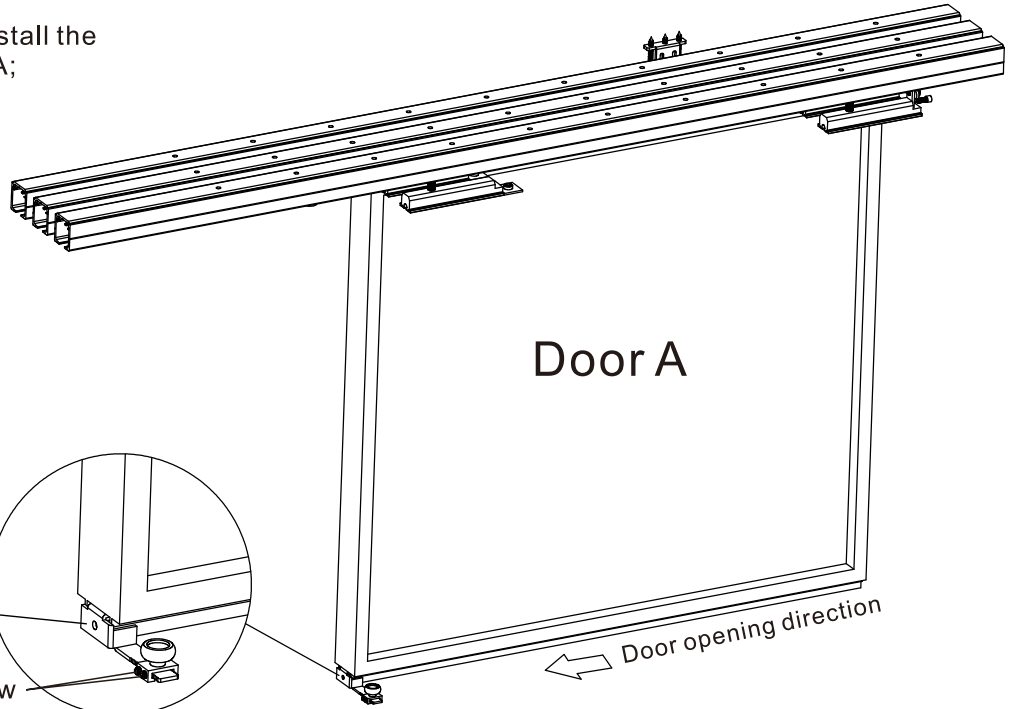
Fix the bracket fixing piece on the corresponding door according to the figure, and pay attention to the direction of the door and the distance between both sides;



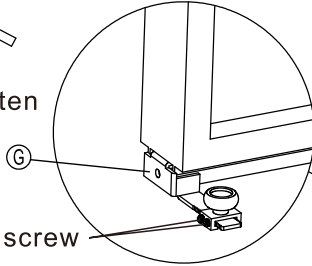
9 Install the A-door guide

9-1 Right linkage

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



Adjust the guide G and tighten the screws;

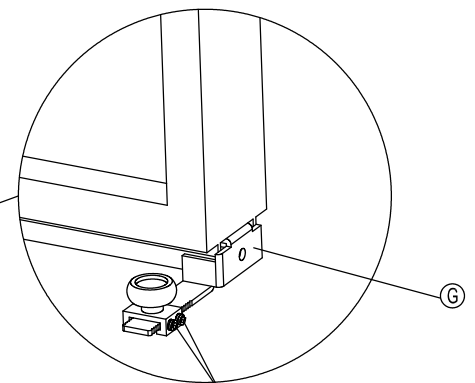
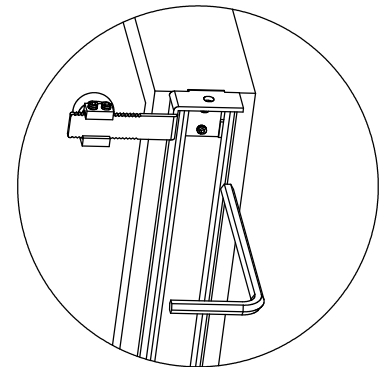
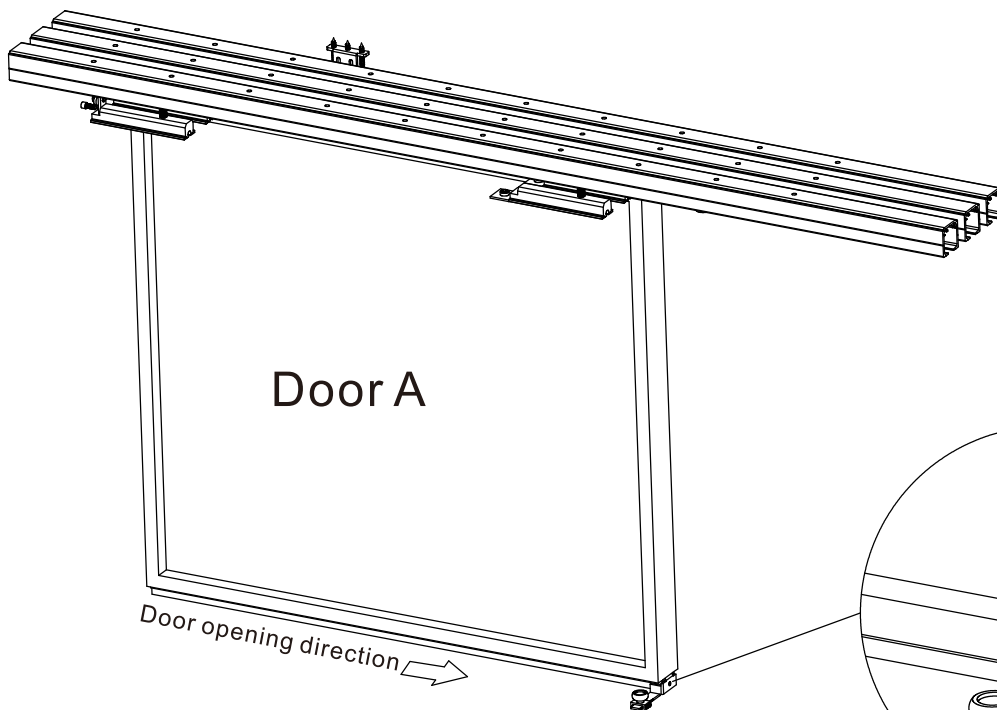


Note that the fixing screw faces outward;

9-2 Left linkage

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

Adjust the guide G and tighten the screws;



Note that the fixing screw faces outward;

10 Install door a accessories

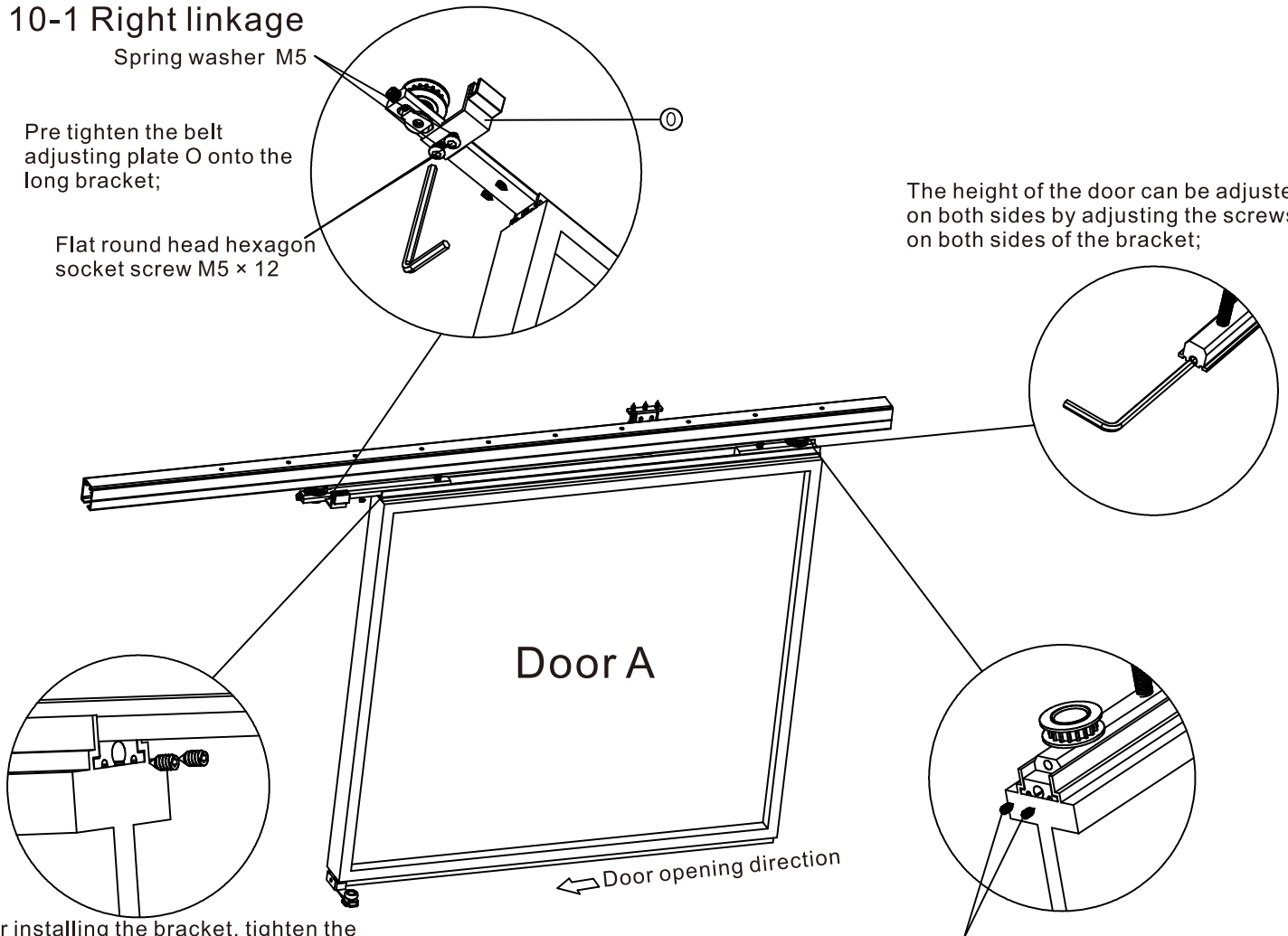
10-1 Right linkage

Spring washer M5

Pre tighten the belt adjusting plate O onto the long bracket;

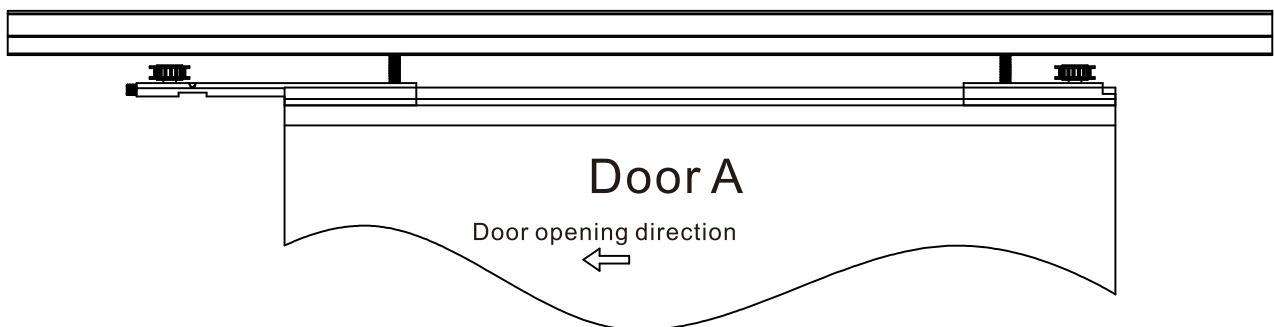
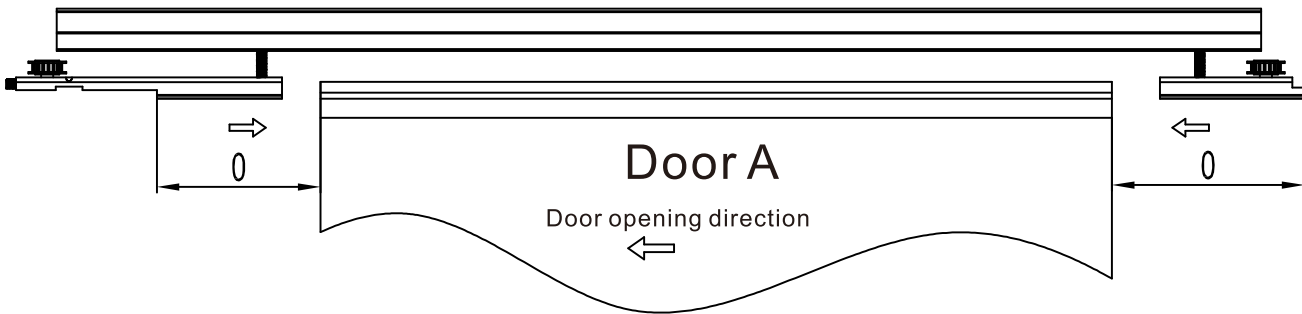
Flat round head hexagon socket screw M5 × 12

The height of the door can be adjusted on both sides by adjusting the screws on both sides of the bracket;



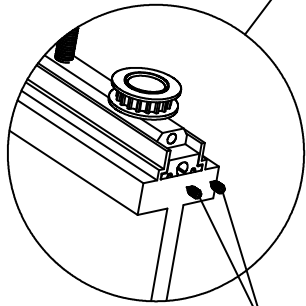
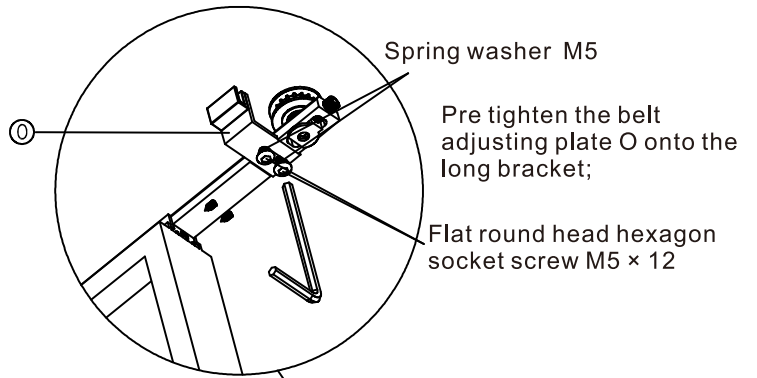
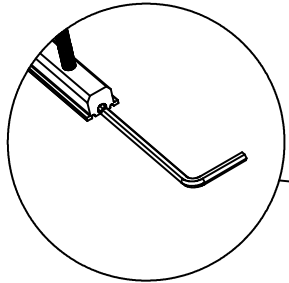
After installing the bracket, tighten the Allen screw M4 × 8 locking;
Note: door A, door B and door C shall be fixed with this screw after the bracket is installed;

After installing the bracket, tighten the Allen screw M4 × 8 locking;

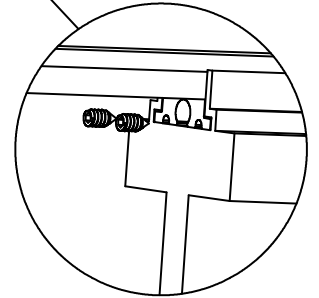
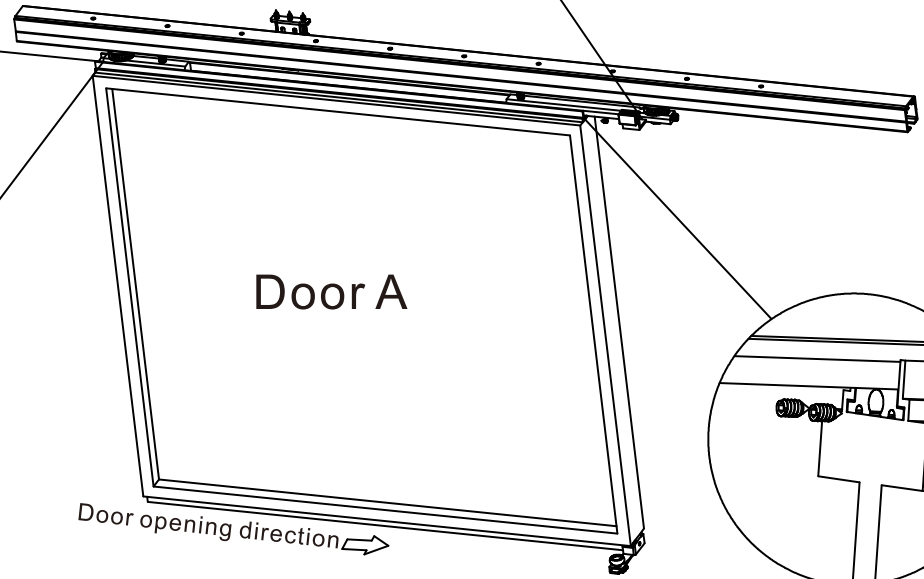


10-2 Left linkage

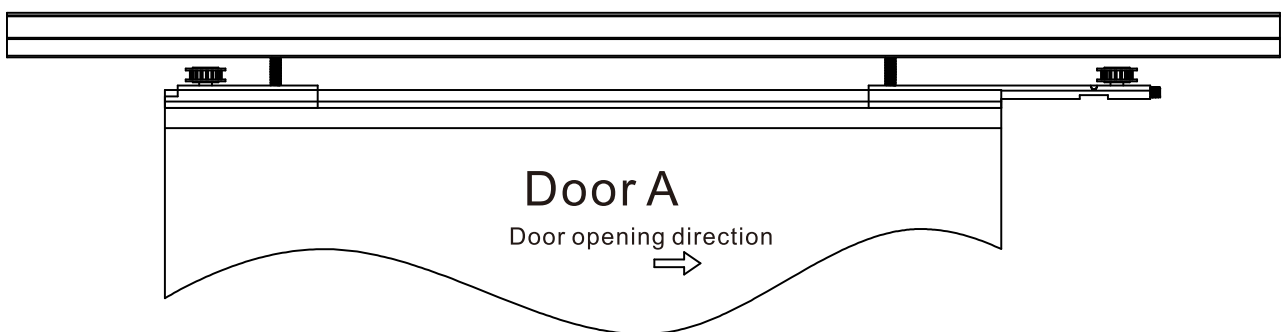
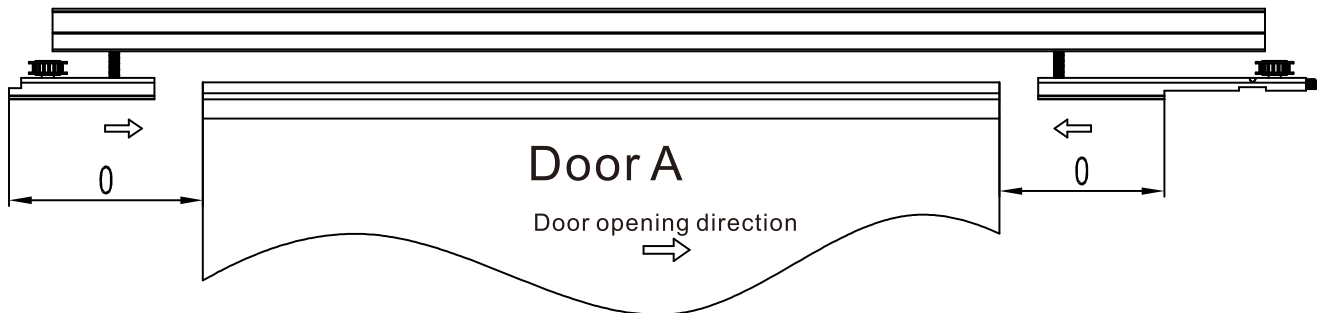
The height of the door can be adjusted on both sides by adjusting the screws on both sides of the bracket;



After installing the bracket, tighten the Allen screw M4 × 8 locking;
Note: door A, door B and door C shall be fixed with this screw after the bracket is installed;

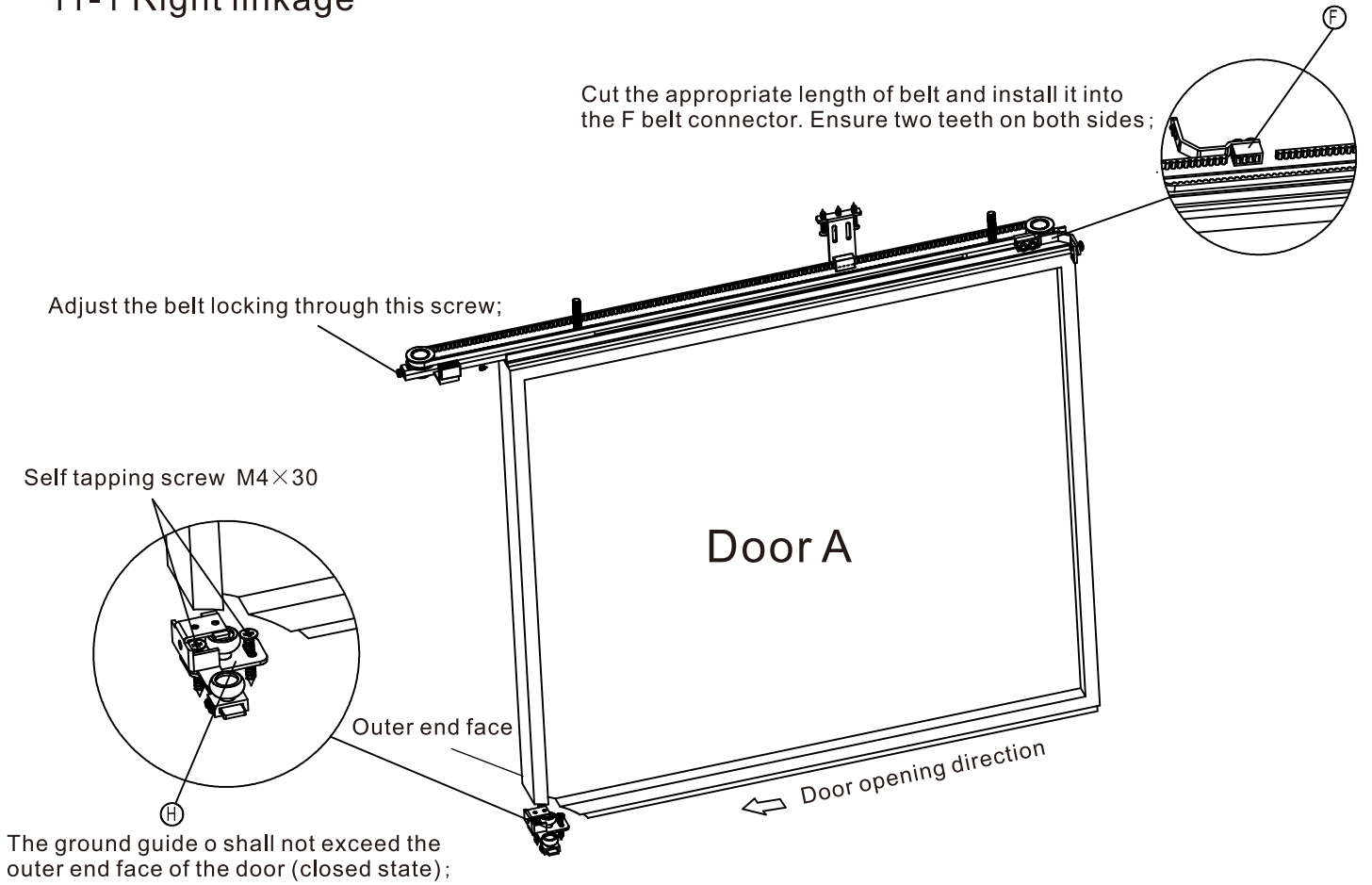


After installing the bracket, tighten the Allen screw M4 × 8 locking;

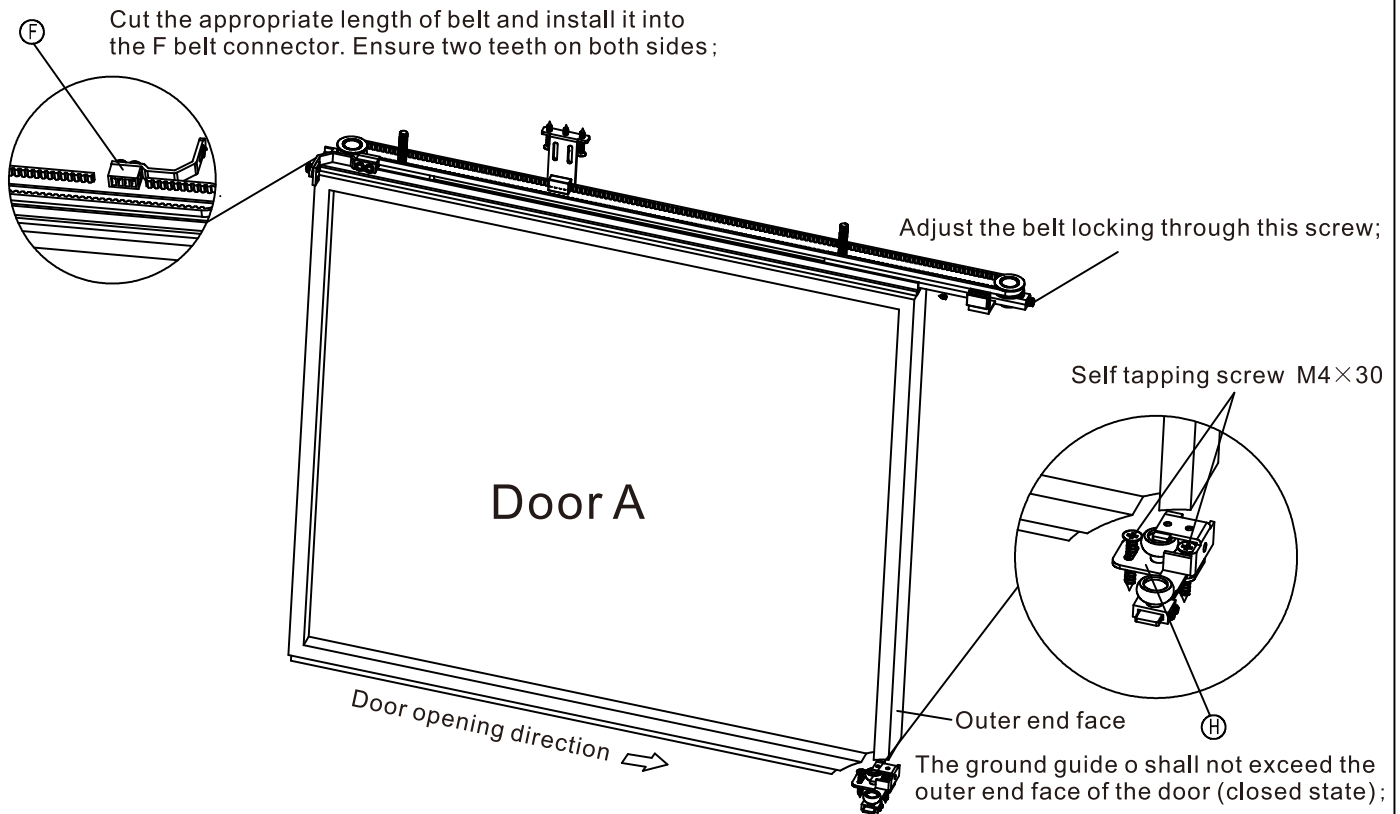


11 Install door A ground guide

11-1 Right linkage



11-2 Left linkage

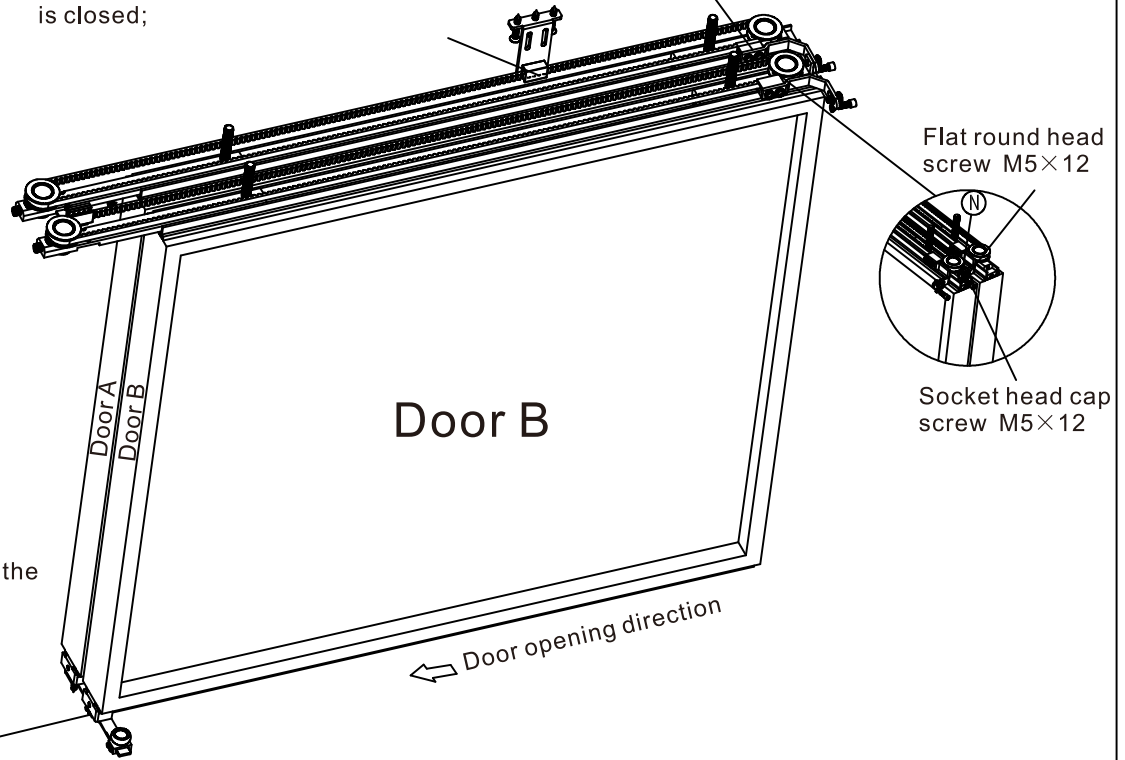


12 Install door B

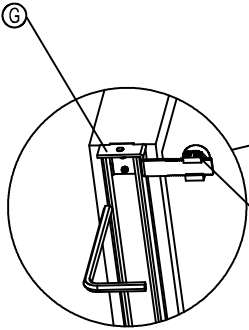
12-1 Right linkage

After the installation of F is completed, put the belt into the belt holder B and fix it when the door is closed;

Flush door A and door B, and fix belt connector F on door B;



When installing door B, first install the guide G at the bottom of door B;

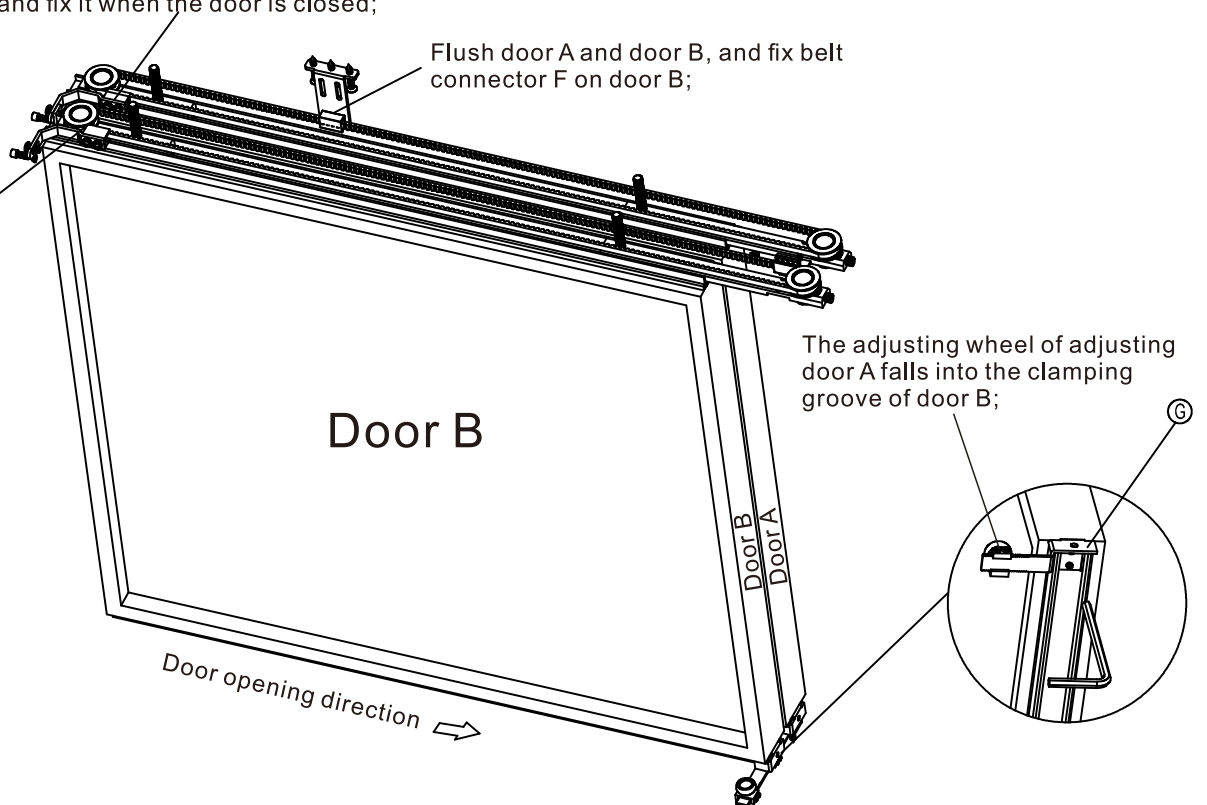


The adjusting wheel of adjusting door A falls into the clamping groove of door B;

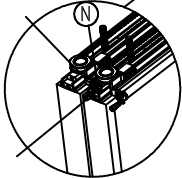
12-2 Left linkage

After the installation of F is completed, put the belt into the belt holder B and fix it when the door is closed;

Flush door A and door B, and fix belt connector F on door B;

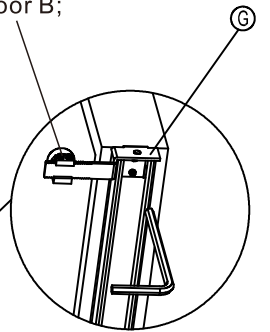


Flat round head screw M5×12



Socket head cap screw M5×12

The adjusting wheel of adjusting door A falls into the clamping groove of door B;

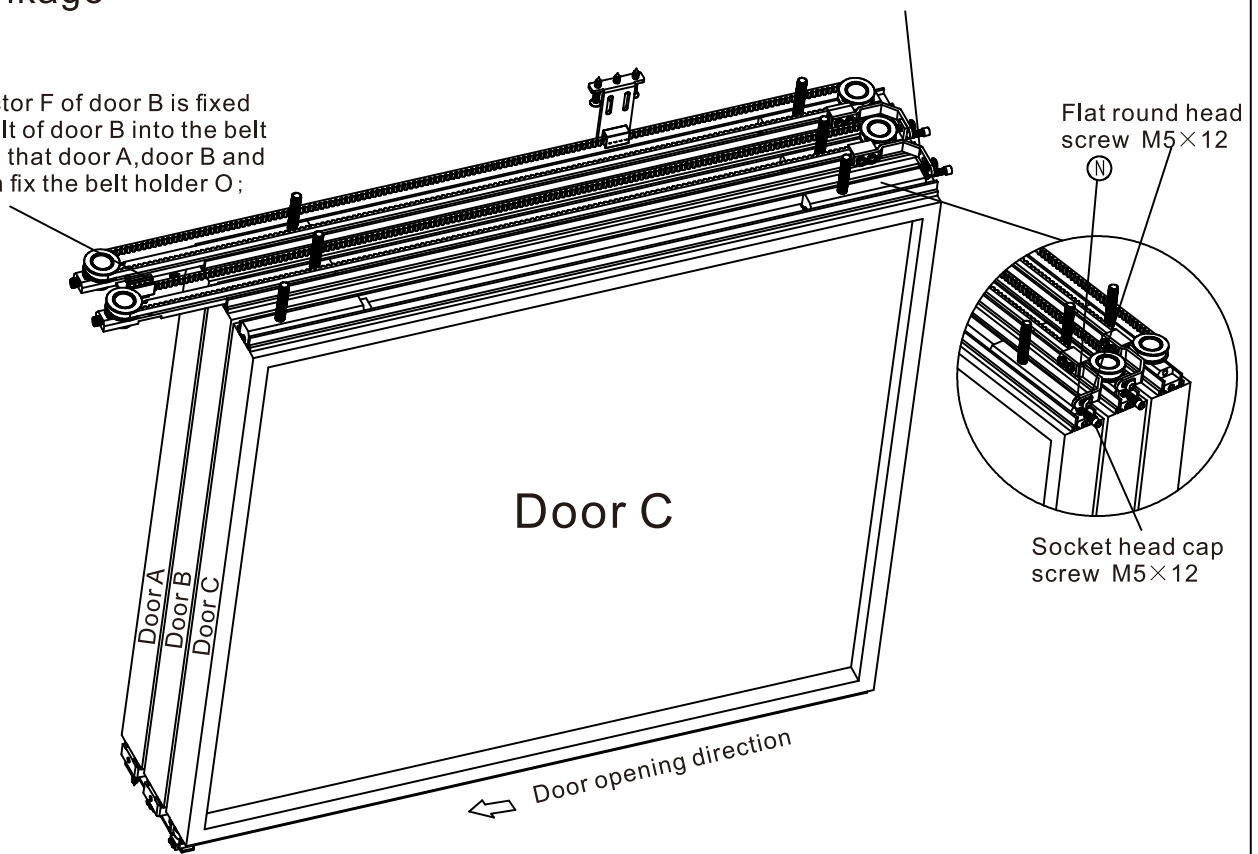


13 Install door C

13-1 Right linkage

After the belt connector F of door B is fixed on door C, put the belt of door B into the belt holder O of door A so that door A, door B and door C are flush, then fix the belt holder O;

Flush door A, door B and door C, and fix the belt connector F of door B on door C;

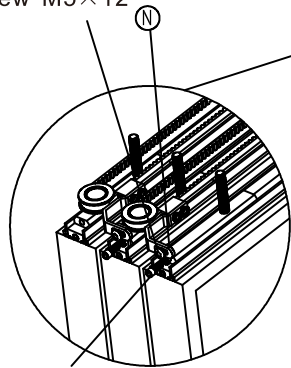


13-2 Left linkage

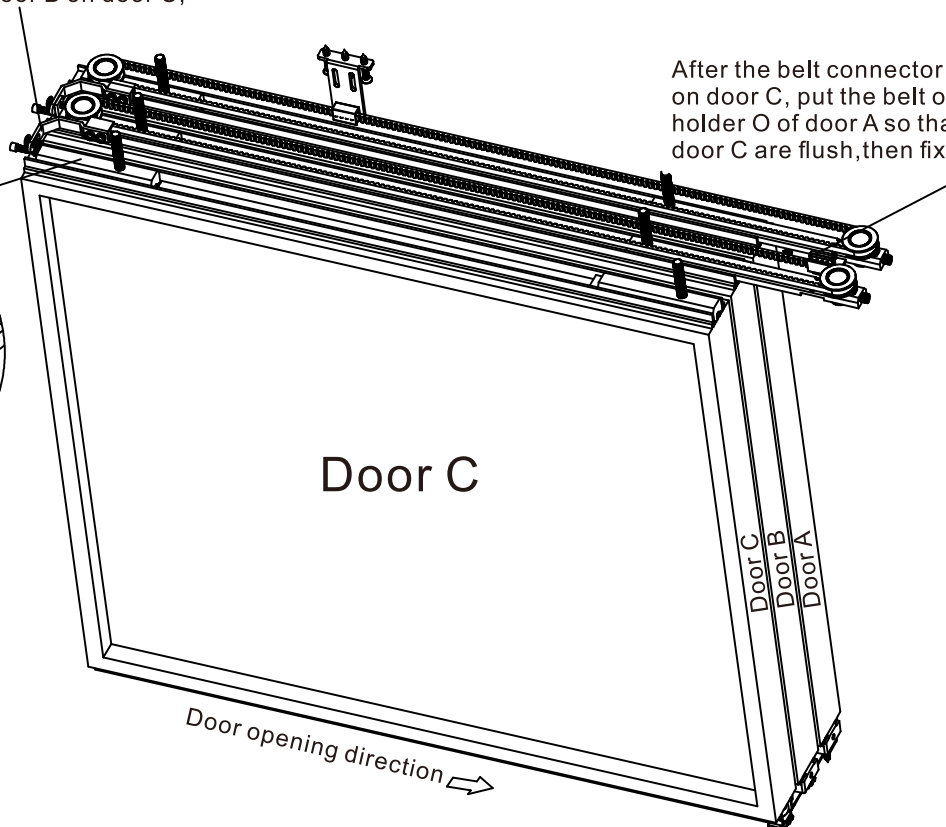
Flush door A, door B and door C, and fix the belt connector F of door B on door C;

After the belt connector F of door B is fixed on door C, put the belt of door B into the belt holder O of door A so that door A, door B and door C are flush, then fix the belt holder O;

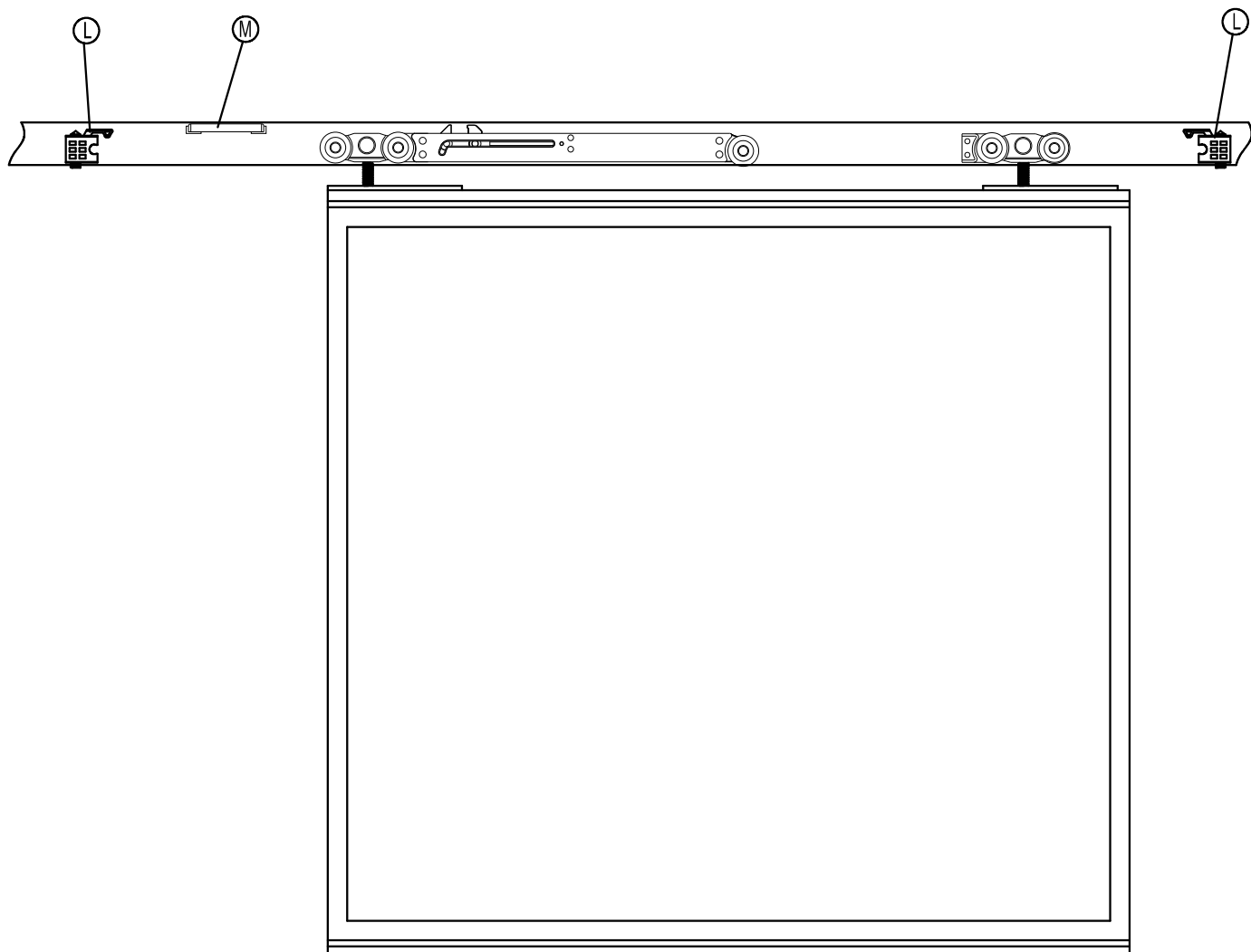
Flat round head screw M5×12



Socket head cap screw M5×12



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



Installation finished!