

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 THIS PRODUCT

- This product is a shutter system for cabinets.
- Minimum installation space is required, as the tracks are recessed.

⊘	This symbol denotes prohibited actions.
!	This symbol denotes what must be done.



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

- ! When cutting the slats, remove burrs on the edges.
- ! Remove any dirt or wooden chips from the guide tracks before the installation of the shutter profiles.
- ⊘ Do not lean on the shutter profiles. It may cause breakage of the slats.

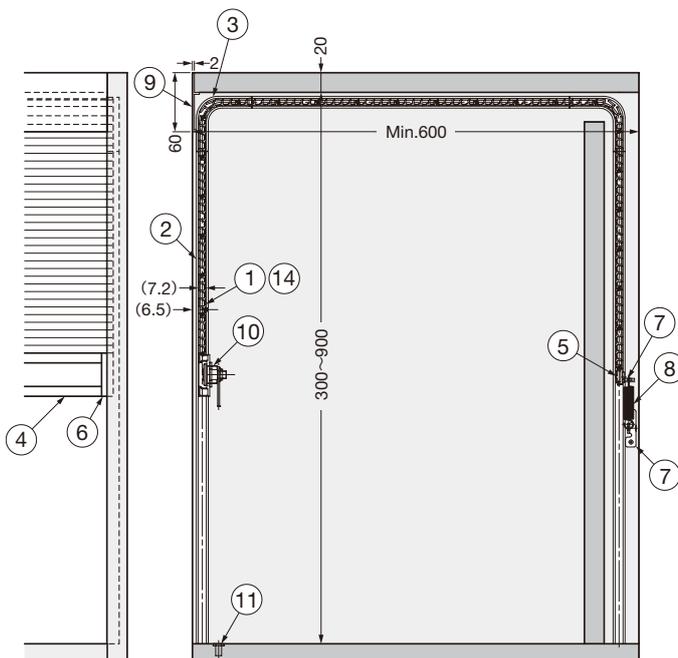
■ TYPES OF CABINET / DIMENSIONS

Design the cabinet to allow disassembly, so that the slats can be replaced if broken.

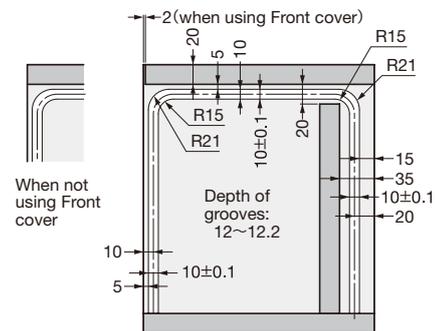
	Vertical	Horizontal	Horizontal - Double opening
Width	300~900mm	300~900mm	600~1800mm
Height	300~900mm	100~1188mm	100~1188mm
Depth	Min. 200mm	Min. 200mm	Min. 200mm

■ INSTALLATION DRAWING

(Example of Vertical type with front cover)

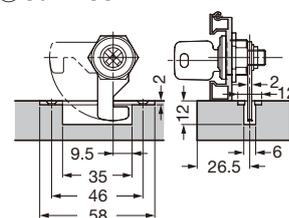


■ CABINET PROCESS DIMENSION



< Optional part >

⑩ Cam lock



SCREWS NEEDED FOR ASSEMBLY

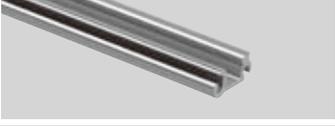
	Metal cabinet		Wodden cabinet		Both Vertical (for spring plate)
	Vertical (for spring plate)	Horizontal	Vertical (for spring plate)	Horizontal	
Cross recessed pan head screw M4 x 10	-	-	-	-	2
Cross recessed bind head tapping screw $\phi 4$	-	-	4	-	-
Cross recessed pan head screw M4	4	-	-	-	-

COMPONENT PARTS

① Slat DIS-001-1200 1200mm 	② Recessed rail DIS-002-2000 2000mm 	③ Guiding rail (90°) DIS-003-90 	④ Front end-slat DIS-007-1200 1200mm 
⑤ Back end-slat *1 DIS-008-1200 2000mm 	⑥ End slider DIS-009 	⑦ Spring plate *1 DIS-012 	⑧ Balance spring *1 (Build to Order) 

* 1 For vertical type only.

OPTIONAL PARTS

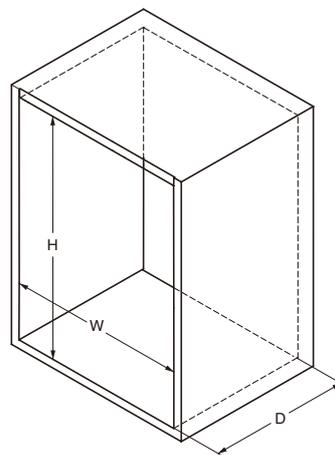
⑨ Front cover DIS-006-1200 1200mm 	⑩ Cam lock DIS-022 DIS-010 	⑪ Counter plate DIS-011 (Screws included) 	⑫ Center stopper (recessed) *2 DIS-016 
⑬ Counter plate (for double opening) *2 DIS-021 	⑭ Middle slat DIS-019 1198mm 	⑮ Handhold slat DIS-023 	

* 2 For Horizontal - Double doors only

PROCESS DIMENSIONS FOR SLATS

Parts name	Vertical		Horizontal		Horizontal - Double opening	
	Quantity (rounded)	length	Quantity (rounded up)	length	Quantity (rounded up)	length
Slat	W < 586 (H+D-43)/40 W ≥ 586 (H+D-43)/48	W+12	H < 586 W/40 H ≥ 586 W/48	H+12	H < 586 {(W/2)/40} x 2 H ≥ 586 W/48 x 2	H+12
Recessed rail (long)	4	H-60	4	W-60	2 (Front) 2 (Front) 2 (Rear)	(W/2)-60 (W/2)-61.5 *3 W-120
Recessed rail (short)	2	H-130	2	W-130	4	(W/2)-130
Front end-slat	2	W-10	1	H-10	2	H-10
Back end-slat	1	W+10	Not required			
OPTIONS						
Front cover	1 (W < 586 only)	W	1 (H < 586 only)	H	2 (H < 586 only)	H
Middle slat	(H+D-43)/48 (W ≥ 586 only)	W+10	W/48 (H ≥ 586 only)	H+10	{(W/2)/48} x 2 (H ≥ 586 only)	H+10
Handhold slat	1	W+10	1	H+10	2	H+10

* 3 For Horizontal type with double doors, one side of Guiding rail is cut 1.5mm shorter to insert Center stopper.



■ INSTALLATION PROCEDURE

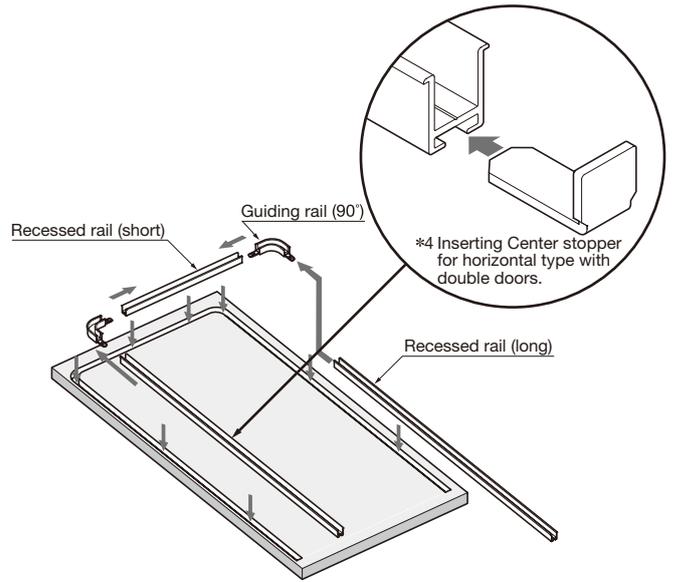
1. Assembling Recessed rail

Connect Recessed rail and Guiding rail (90°) and put into the groove processed on the side board.

For horizontal type with double doors, insert Center stopper to the end of Recessed rail (long) at the front side.

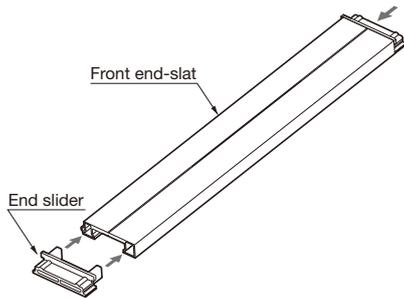
(* 4)

⚠ Remove burr or any dirt that interfere with the movement of slat in the groove.

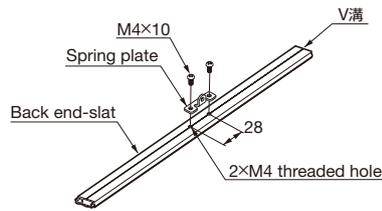


2. Processing and Assembling End-slat

(Vertical type)

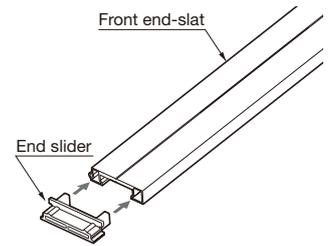


⚠ Pay attention to the direction of parts.



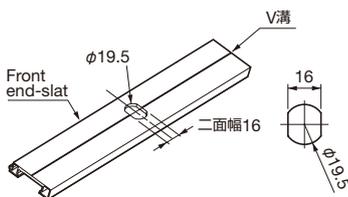
Fix Spring plate on the center of Back end-slat with screws.
Make threaded holes on V-groove.

(Horizontal type)



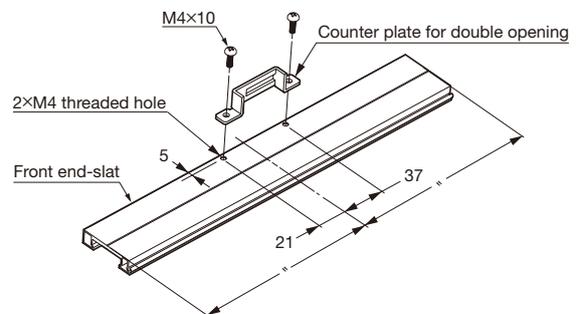
⚠ Pay attention to the direction of parts.

● Using an optional part Cam lock (Both vertical and horizontal types)



Make a hole with V-groove as a center.

(Horizontal Double Doors type)



⚠ Pay attention to the direction of End-slat and the positional relation between End-slat and Counter plate.

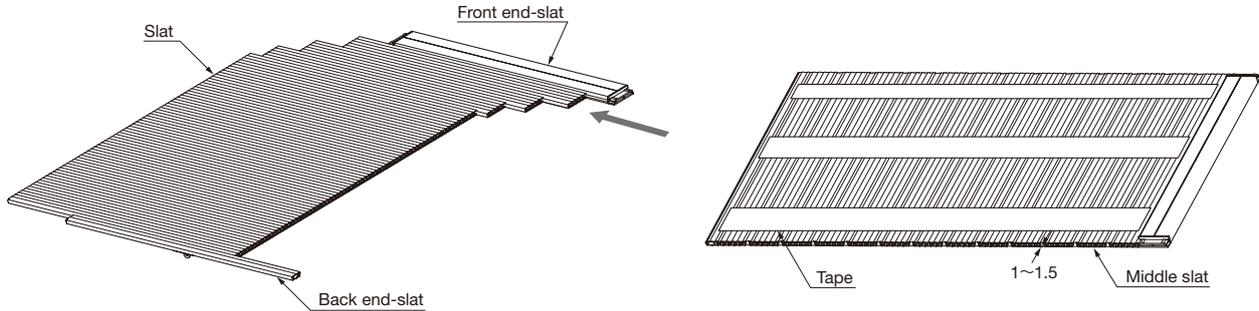
3. Assembling slat (both vertical and horizontal types)

⚠ Combine Middle slat between slats for vertical type with width 586mm or more (Horizontal type with height 586mm or more).

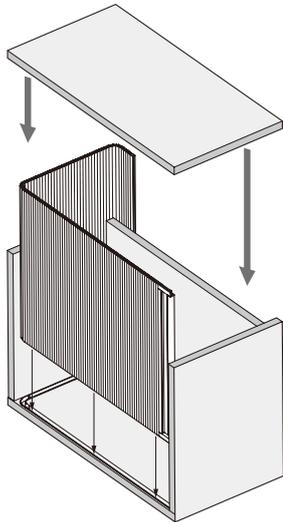
When using Handhold slat, be sure to insert it between slats, do not connect with Middle slat.

After connecting slats, align both side ends of slats and apply tapes on the backside to prevent lateral displacement.

At this time, Since Middle slat is 2-3mm in width shorter than slat, fix it 1-1.5mm inner side from both ends.

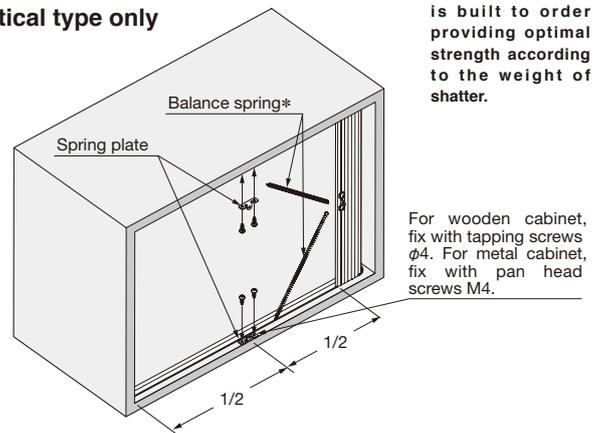


4. Installing into a cabinet (both vertical and horizontal types)



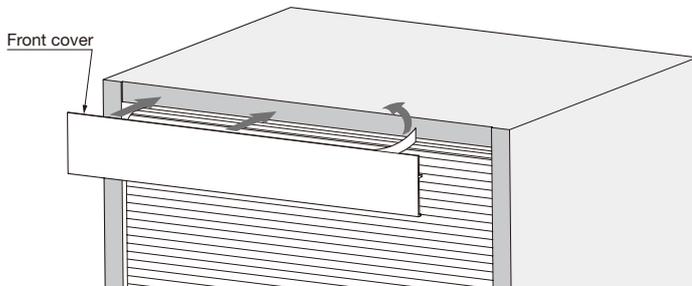
It is recommended to apply dry lubrication spray inside of groove on Recessed rail and Guiding rail for sliding slat. Smooth movement can be maintained by periodically applying a lubricant.

Vertical type only



Spring plate is attached in fully opened state of shutter. When viewed from the front of cabinet, as shown in the figure above, attach Spring plate at a position of a half of a distance from the end of backside of slat to bottom board. After that, hook two Balance springs in v-shaped as in the figure.

5. Installing Front cover (optional parts)



Peel release paper from double-sided tape on Front cover, attach to the end of surface of top board.

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