

Installation Manual

ALT-ST20-D10

POCKET DOOR SYSTEM (OVERLAY) SOFT CLOSING



- Before installation, please read!
- For the most accuracy, please use metric measurements as they were converted to imperial measurements for reference.
- The illustration is illustrated at the left hanging source.

ABOUT THE PRODUCT

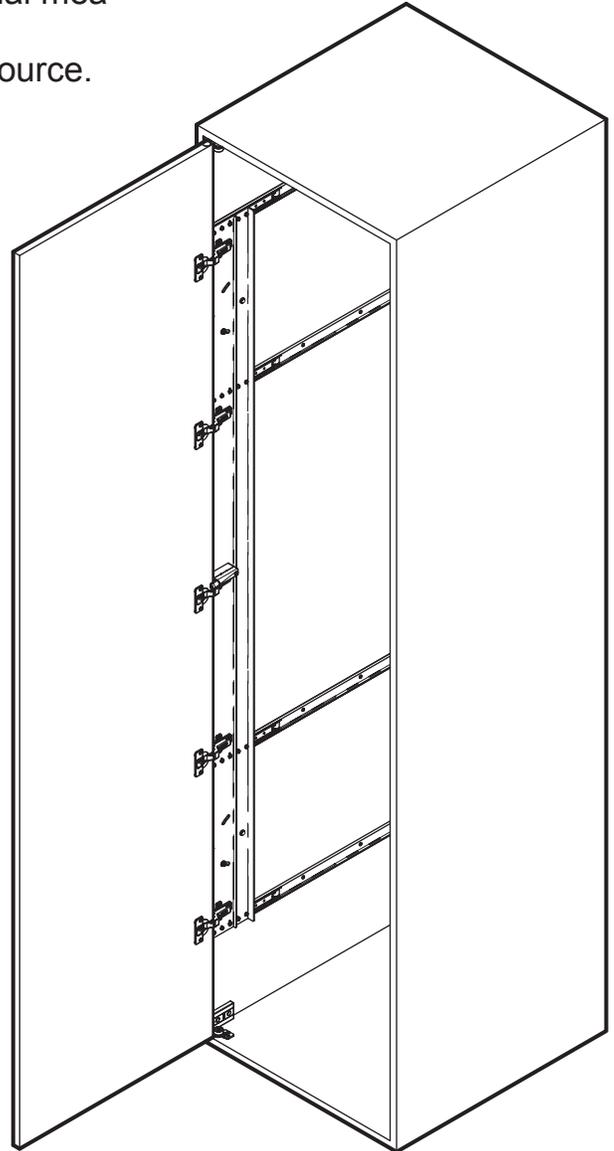
- This product is hardware for vertical pocket doors in furniture, enabling slow door closing.
- The door is stored inside the cabinet.
- The door incline can be easily adjusted via a 5-stage angle retention mechanism.

Item Name Guide

ALT - ST20 - D10S - 16

Type

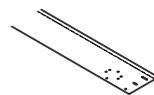
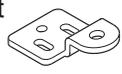
Size of rail



SPECIFICATION

Type	S	M	L	LL
Rail Q'ty	2	3	4	4
Door Width	Max.600[24"]			
Door Height	800 - 1200 [31-1/2" - 47-1/4"]	1200 - 1600 [47-1/4" - 63"]	1600 - 2000 [63" - 78-3/4"]	2000 - 2400 [78-3/4" - 94-1/2"]
Door Thickness	18 - 20 [11/16" - 13/16"]			
Door Weight	Max. 9 kg [19.8 lbs]	Max. 15 kg [33 lbs]	Max. 20 kg [44 lbs]	Max. 20 kg [44 lbs]



			Overlay (ST20-D10)			
			S Type	M Type	L Type	LL Type
1	Rail*	 AL127 C 16 - 28 in	2	3	4	4
2	Connecting plate	 ALT-ST20-S ALT-ST20-M ALT-ST20-L ALT-ST20-LL	1	1	1	1
		 ALT-ST20-LPS ALT-ST20-LPM ALT-ST20-LPL ALT-ST20-LPLL	1	1	1	1
3	Concealed Hinge	 SCAF-7G99	2	3	4	5
4	Hinge Mounting Plate	 SBAR3R	2	3	4	5
5	Mounting Plate	 ALT-MP32	2	3	4	5
6	Damper Unit	 SD0S8SNG	1	1	1	1
7	Damper Base	 SDARX99	1	1	1	1
8	Door Stopper	 ALT-ADS	2	2	3	3
9	Protector	 ALT-ADP	2	2	2	2
10	Catch**	 AL127-CH	2	2	3	3
11	Roller	 DU19-B4SBR	2	2	2	2
12	Roller bracket	 ALT-2V-AB	1	1	1	1
		ALT-2V-BB	1	1	1	1
13	Insert Nut	 SC-107-13	2	2	2	2
14	Slider	 G-175	2	2	2	2
15	ALT-AB M5 Adjustment bolt		1	2	2	2
16	Bind head tapping screw 3.5×15		22	29	36	36
17	Bind head tapping screw 4×16		6	6	6	6
18	Raised countersunk head tapping screw 3.5×15		4	6	8	10
19	Hexagon flange head screw M4×6		10	15	20	20
20	Low Countersunk head screw M4×8		2	3	4	5
21	Raised countersunk head screw M4×10		6	9	12	15
22	Raised countersunk head screw M4×14		1	1	1	1
23	Hex key		1	1	1	1

Parts Set

⚠ Caution

If not followed, injury or damage may result.

- ❗ Provide a cabinet that can withstand the weight and impact of opening and closing the door. Be sure to use the specified screws and tighten them securely. If the mounting strength is insufficient, the door may fall and can cause injury.
- ❗ Follow the specified dimensions, specifications, and alignment of the cabinet. Make sure that the cabinet is not warped, since it may affect the movement of the door.
- ❗ Position the handle so that the hand holding the handle does not strike the side board.
- ❗ When moving the cabinet, remove the door and re-assemble it at the site.
- ❗ This product is a part for furniture. After installation, check the function and safety of the final product.
- ❗ Make sure to check the screws for slack at regular intervals. (one month and six months from first usage and then once every year is recommended).

• **Be sure to inform users of the precautions below regarding opening and closing.**

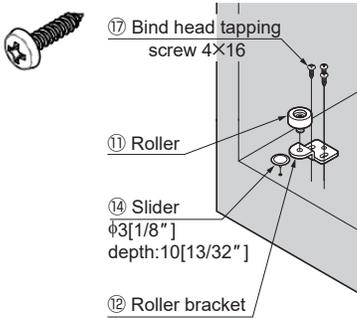
- ⊘ Do not force the door to open past 90°. Damage may result.
- ❗ When closing the door, pull it out until the catch clicks and then close it.
- ❗ Repeated opening and closing may cause the inner rail to disconnect, shortening the door movement distance. Push the door fully inward or pull it fully out to correct the deviation.

* Do not cut rails. Rail sizes (inches) include 16, 19, 22, 24, and 28.
 ** This catch holds the door at the pulled-out position. Be sure to mount it on the uppermost and lower slide rails (For details, see P.4 **3**).

1 Mount Rollers to Cabinet Frame (NOTE: There are 3 types depending on your applications.)

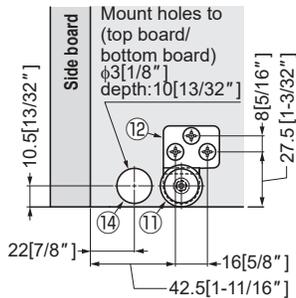
Surface Mount

■ If Bottom Mount Bracket - Roller Bracket ⑫



Position Roller Bracket as shown below:

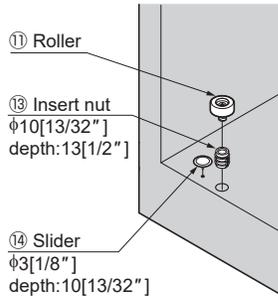
Top View of Cabinet



Front of Cabinet

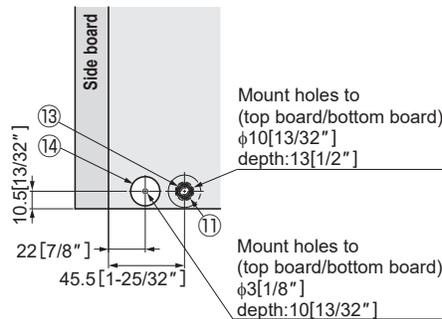
Flush Mount

■ Roller Guide Only



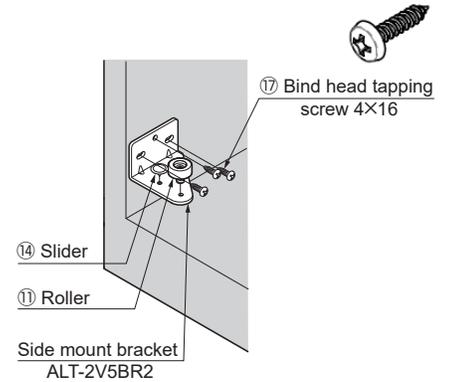
Position Insert Nut as shown below:

Top View of Cabinet



Side Mount

■ Side Board Installation

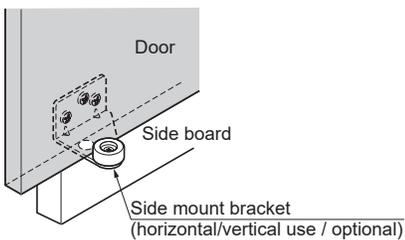


NOTE: Optional Side Mounting Bracket Sold Separately

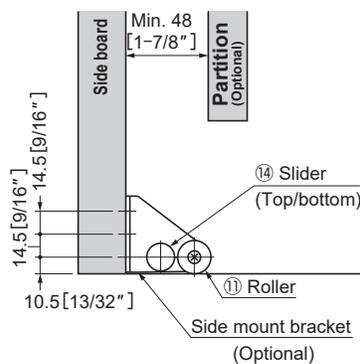
Requires a larger reveal:
Top 15[19/32"]
Bottom 15[19/32"]

Go to: "Step 2: Side Board Installation"

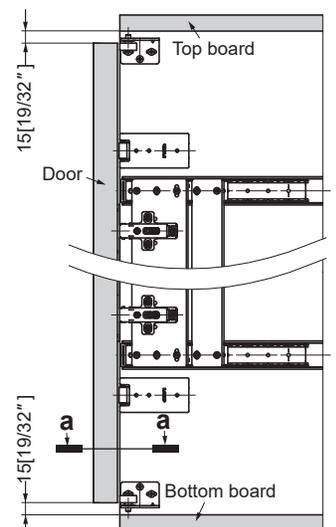
2 Side Board Installation



Section a-a



Note: Slider should always be installed towards front of the cabinet.



3

3 Install Slide Rail Catch (Detent) To Slide Rails

Type	S	M	L	LL
Rail Q'ty	2	3	4	4
Catch Q'ty	2	2	3	3
Catch mounting location [■ part]				

See next page for Rail Placement Drawings

4 Install Slide Rails & Guide Roller 1/2(Fix the only top slide rail and temporarily fix all other slide rails).

1 Fix the top slide in place with the provided screws.
Screws: ⑩ Bind head tapping screw 3.5X15

2 Temporarily fix front and back sides for all other slides.

3 Mount the door stopper and protector

⑧ Door stopper
⑨ Protector
⑩ Bind head tapping screw 3.5X15

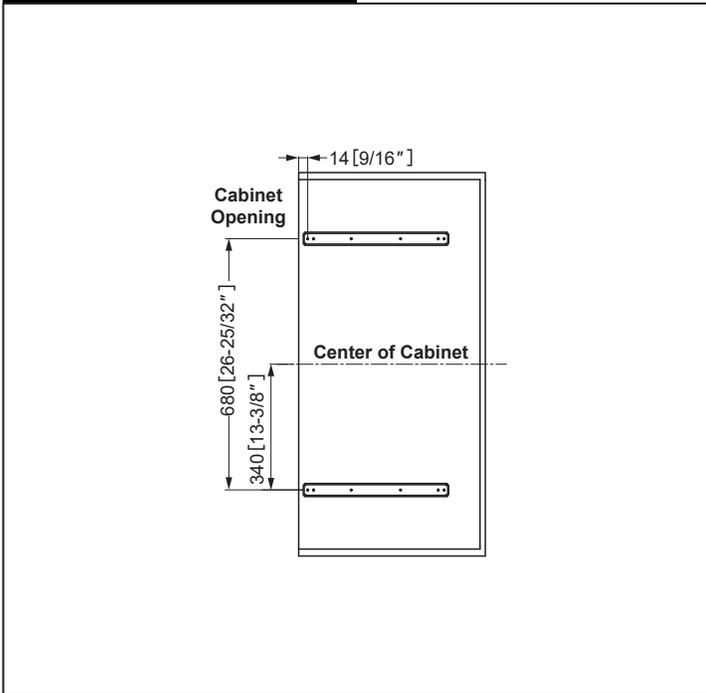
Caution Positioned to not interfere with slides. Mount the protector at the top and bottom edges of the cabinet.

Level

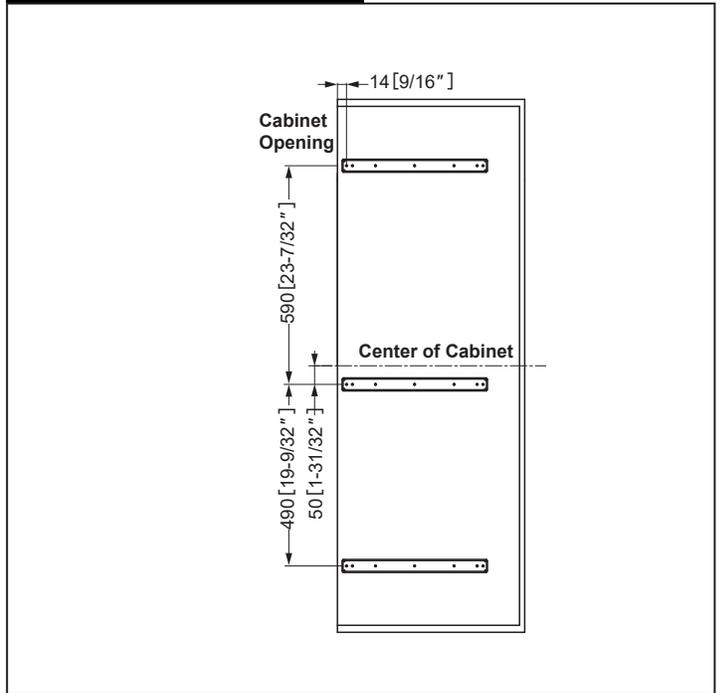
Side board

15.9[5/8"]
20.5[13/16"]
35[1-3/8"]

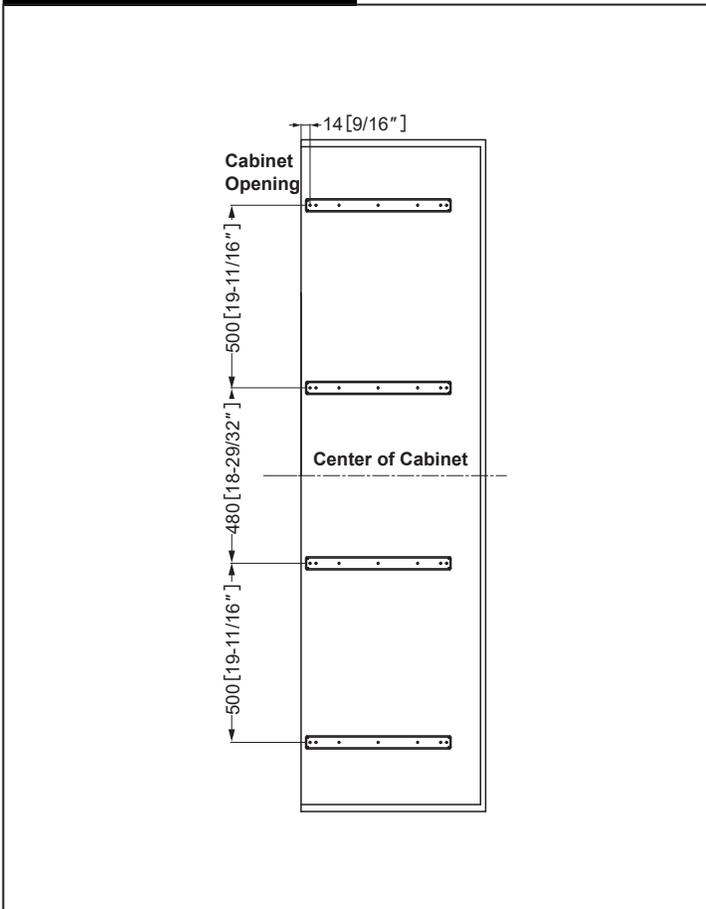
S Type (2 slide rails) Rail Placement



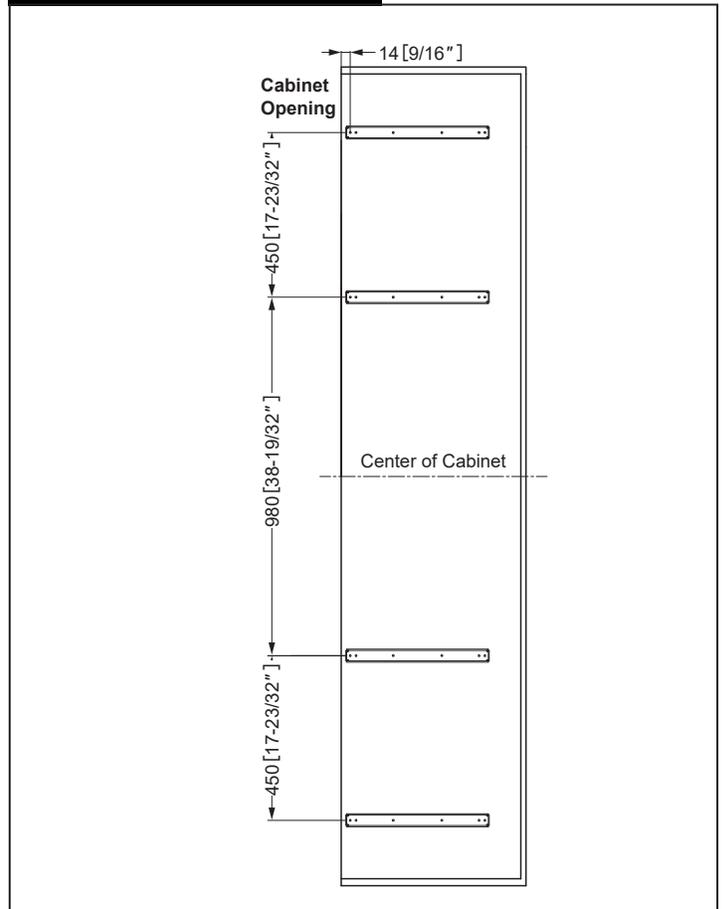
M Type (3 slide rails) Rail Placement



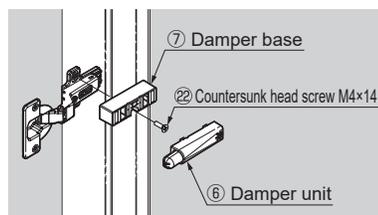
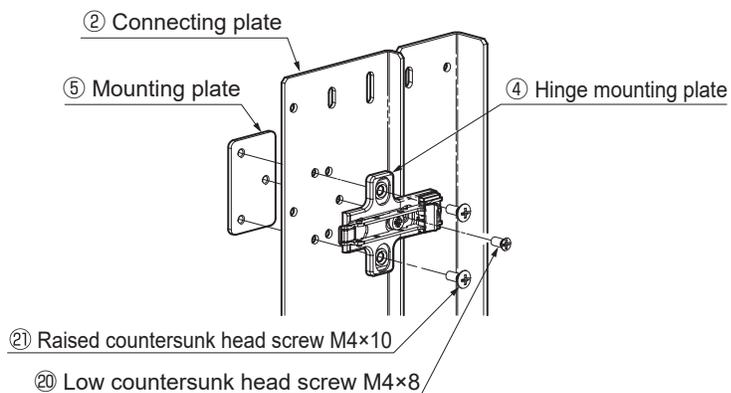
L Type (4 slide rails) Rail Placement



LL Type (4 slide rails) Rail Placement



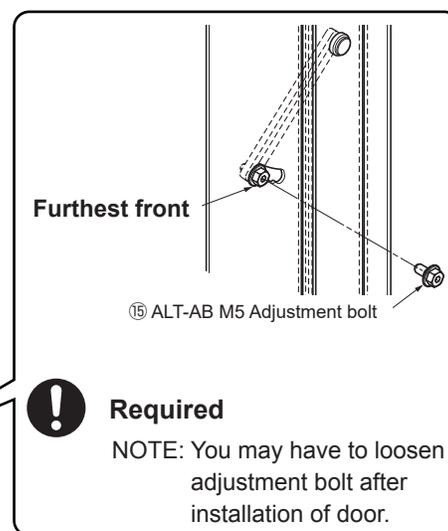
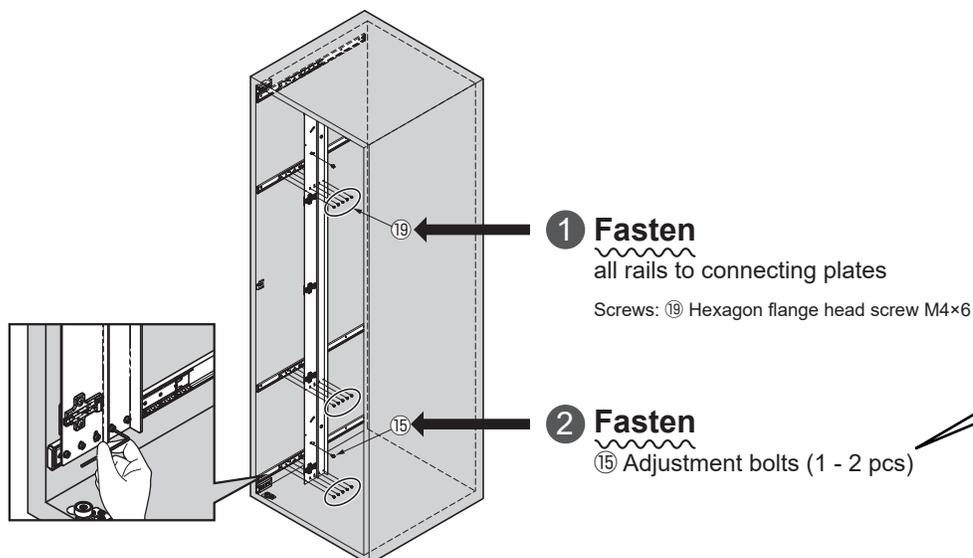
5 Attach Mounting Plates To Connecting Bar



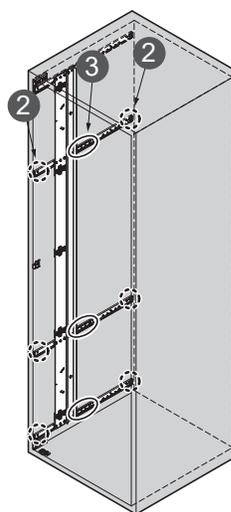
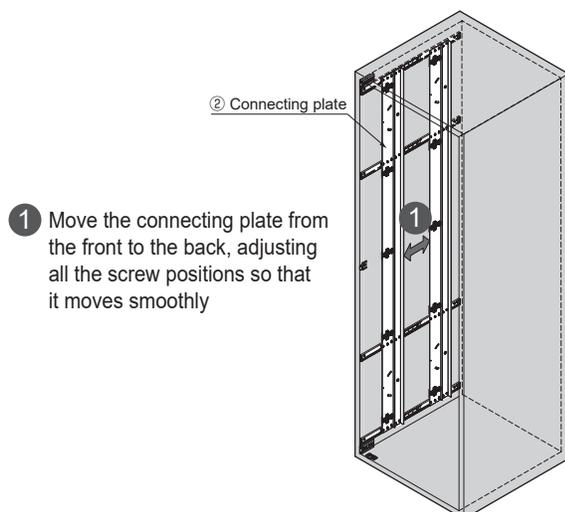
Mount the damper base and damper unit in the specified position.

Type	S	M	L	LL
Hinge mounting plate Q'ty	2	3	4	5
Damper base Mounting location [■ part]				

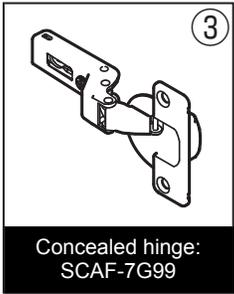
6 Mount Assembled Connecting Bar to Slide Rails



7 Fixing all other slide rails 2/2

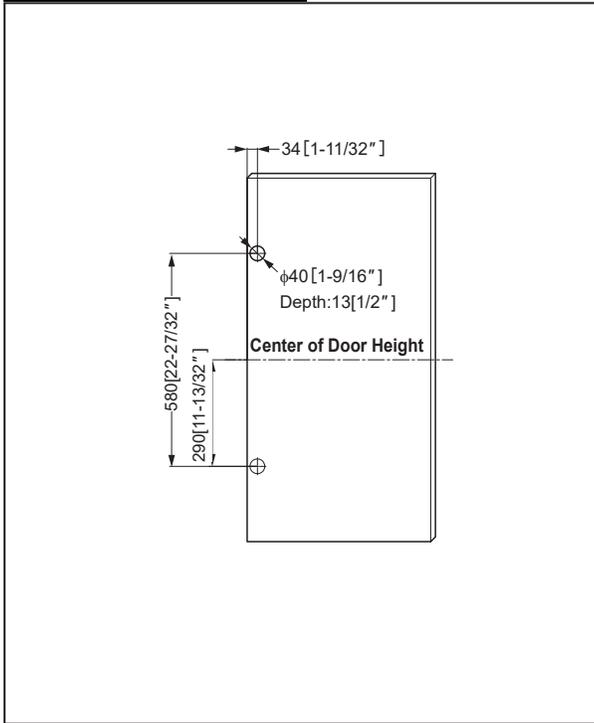


- ② Tighten the ○ part (both ends)
 - ③ Fasten all the ○ parts (near center)
- Screws: ⑲ Bind head tapping screw 3.5x15

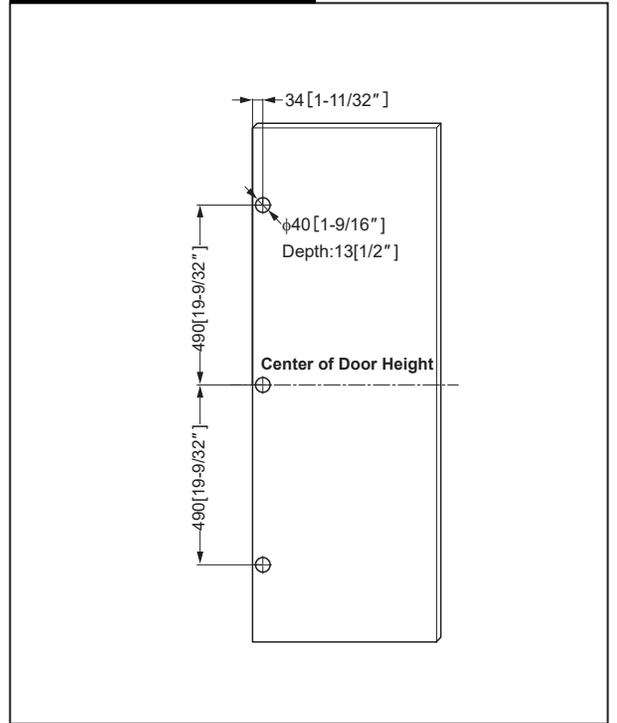


8 Install Hinges to the Door (refer to the following Hinge Placement based on Type of ALT system being installed.)

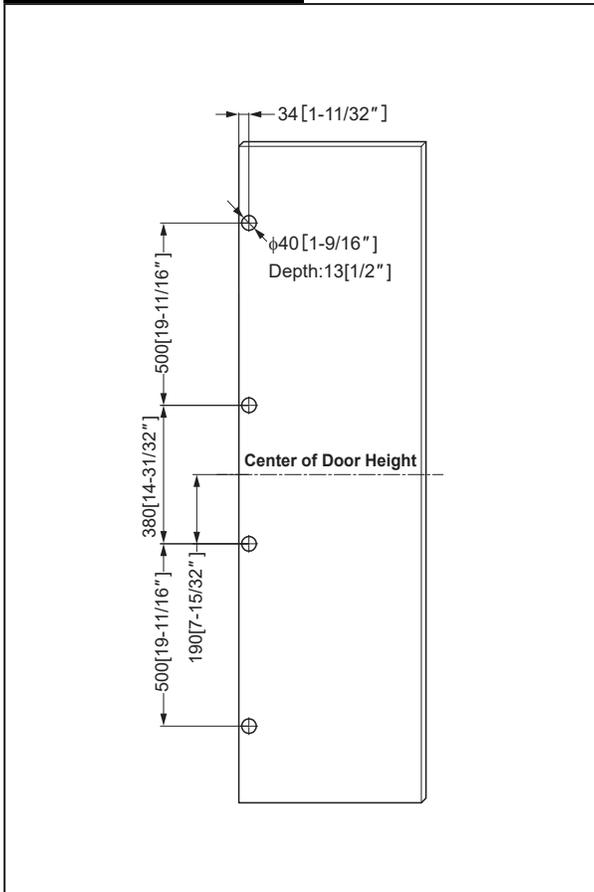
S Type (2 Hinges) Hinge Placement



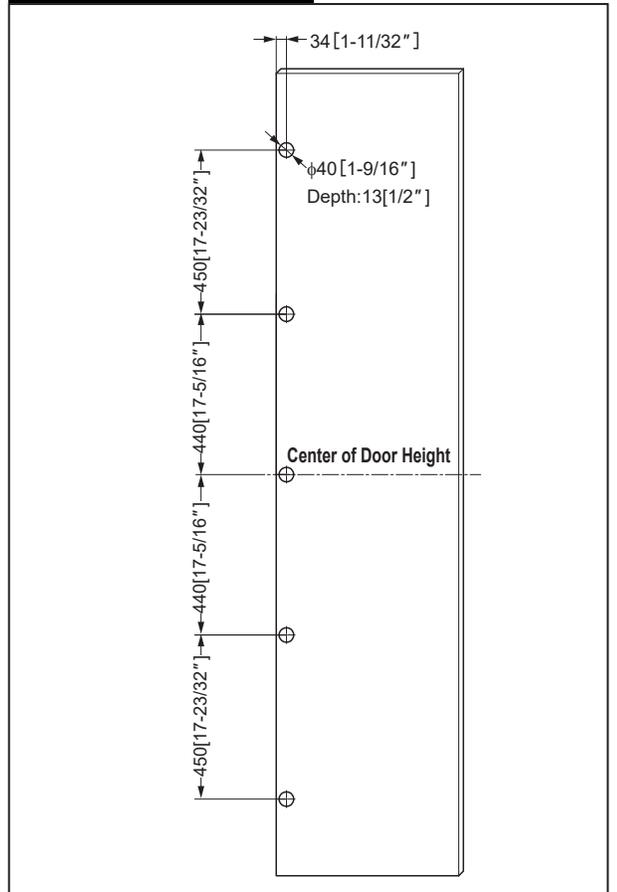
M Type (3 Hinges) Hinge Placement



L Type (4 Hinges) Hinge Placement

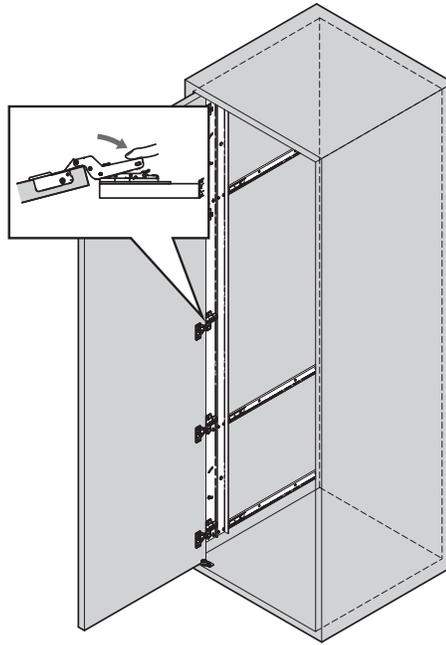


LL Type (5 Hinges) Hinge Placement

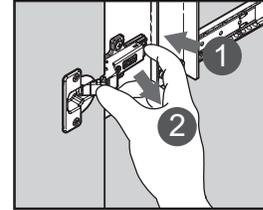


9 Hanging the Door

Simply line up hinge over the mounting plate and press down

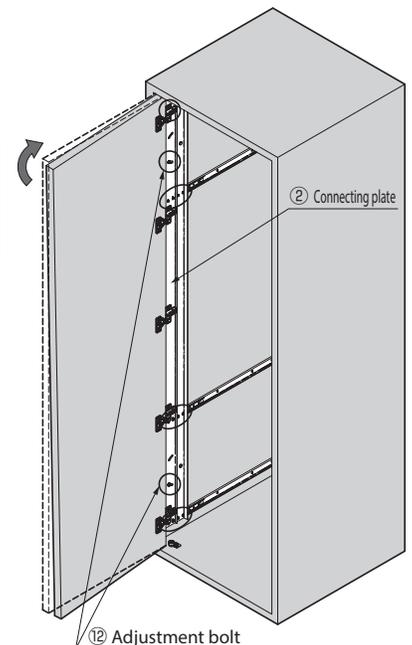
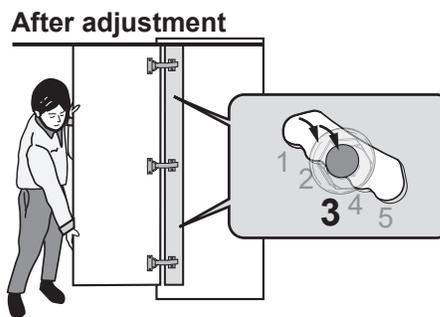
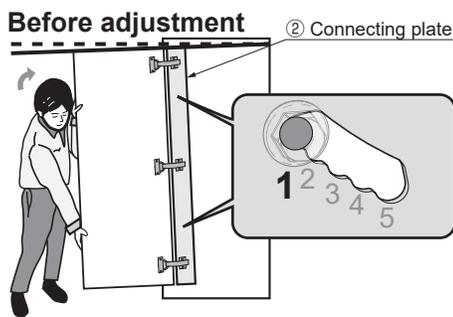
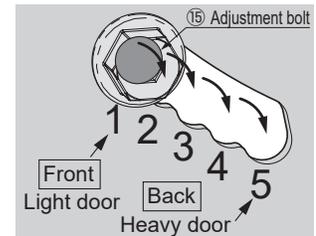


How to remove



10 Adjusting The Angle of the Door

- 1 Loosen the screws fixing the connecting plate and the adjustment bolts. (After tightening, loosen 90° - 180°)
- 2 Lift the door and shift the adjustment bolt backward one level at a time, to make the door and connecting plate vertical. **5-stage adjustment is possible** in accordance with the door weight. *When there are adjustment bolts at top and bottom, align their positions.



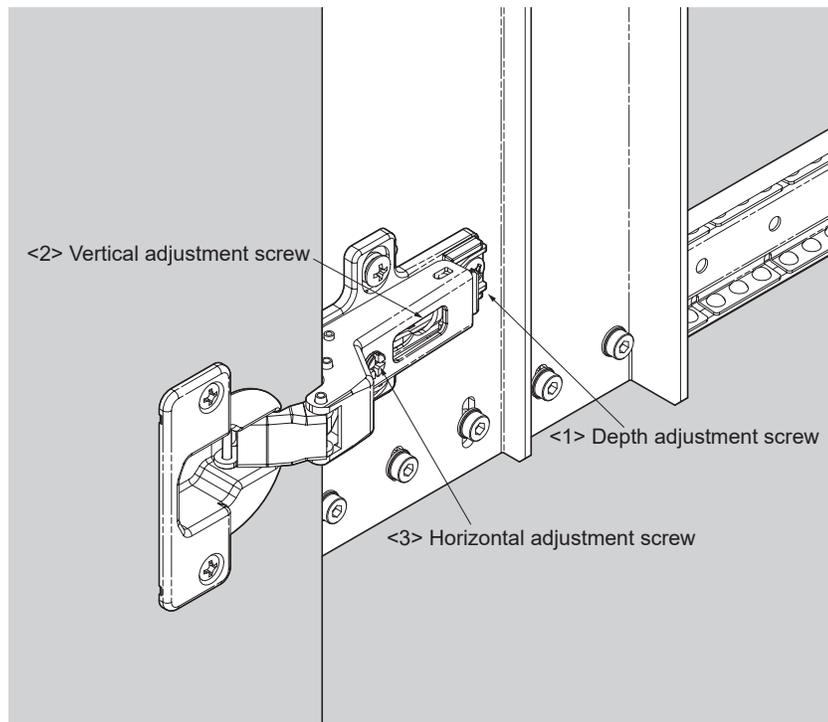
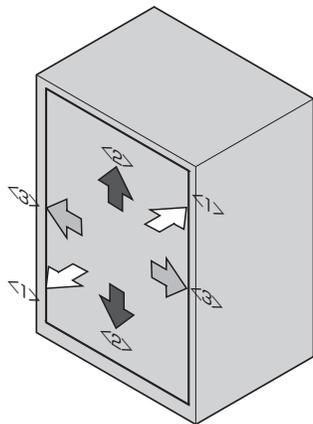
- 3 Tighten all the screws once the door is in the desired position.



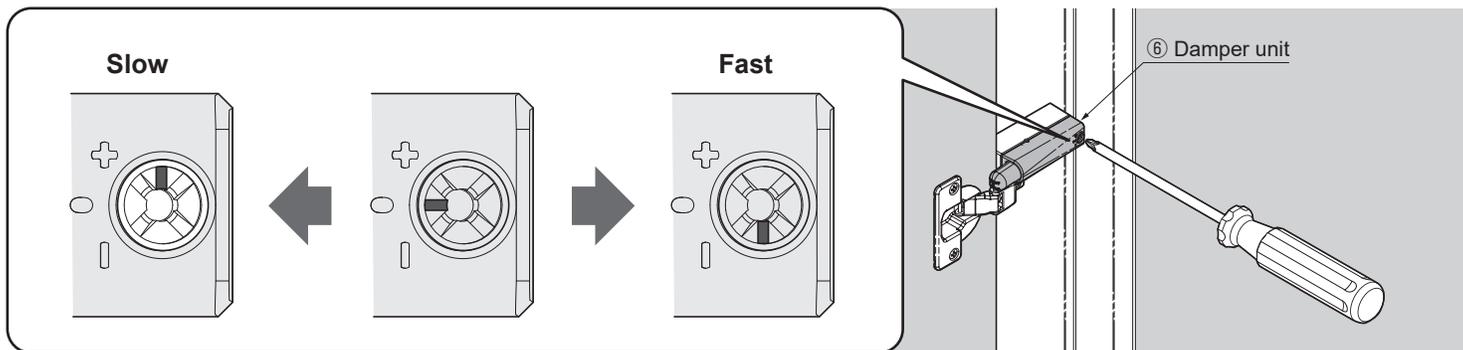
11 Adjusting the Door; Depth, Vertical, Horizontal and Closing Speed



Do not use drill for adjustments



Closing speed adjustment (3 stages)



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