SUGATSUNE

SOFT CLOSING MECHANISM FOR INSET RECEDING DOOR

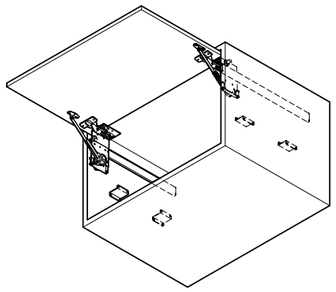
# INSTALLATION INSTRUCTION

**IF-360S(L/R) / IF-360W / IF-H360S(L/R) / IF-H360W**

Before installation, please read this manual thoroughly to prevent errors. Please keep this manual at hand for future reference.

## ABOUT THE PRODUCT

・This product is a set of stays and hinges for an inset receding door.



## SPECIFICATIONS

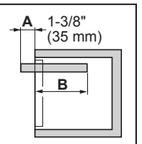
| TYPE | IF-360S(L/R) | IF-360W | IF-H360S(L/R) | IF-H360W |
|---|---|---|---|---|
| DOOR WIDTH | 47-1/4" (Min. 1200 mm) | | | |
| DOOR THICKNESS(T) | 9/16" ~ 13/16" (15 – 20 mm) | | 11/16" ~ 1-3/16" (18 – 30 mm) | |
| TORQUE MOMENT (**Door weight** × **door height** / 2 ※ 1) | 17 ~ 60 lbs·in (20 ~ 70 kg·cm) | 34 ~ 121 lbs·in (40 ~ 140 kg·cm) | 17 ~ 60 lbs·in (20 ~ 70 kg·cm) | 34 ~ 121 lbs·in (40 ~ 140 kg·cm) |
| | ※ 1 When the center of gravity is the same position as the center of the door. | | | |
| **Position of stay** | L:**Left** R:**Right** | **Both sides** | L:**Left** R:**Right** | **Both sides** |

### DIMENSIONAL INFORMATION

| Item No. | IF-360S(L/R)、IF-360W | | IF-H360S(L/R)、IF-H360W | |
|---|---|---|---|---|
| | B | RECOMMENDED DOOR HEIGHT | B | RECOMMENDED DOOR HEIGHT |
| AL-78-14 | 10-3/8" (263.7 mm) + DT | 11-3/4" (298.7 mm) + DT | 10-1/4" (260.9 mm) + DT | 11-5/8" (295.9 mm) + DT |
| AL-78-16 | 12-3/8" (314.5 mm) + DT | 13-3/4" (349.5 mm) + DT | 12-1/4" (311.7 mm) + DT | 13-5/8" (346.7 mm) + DT |
| AL-78-19 | 15-3/8" (390.7 mm) + DT | 16-3/4" (425.7 mm) + DT | 15-1/4" (387.9 mm) + DT | 16-5/8" (422.9 mm) + DT |
| AL-78-24 | 20-3/8" (517.7 mm) + DT | 21-3/4" (552.7 mm) + DT | 20-1/4" (514.9 mm) + DT | 21-5/8" (549.9 mm) + DT |

DT = Door Thickness

The measurement provided in the table below is in case the door overhangs by 35 mm(A) from the edge of the top board when the door is fully inserted.




## PARTS REQUIRED PER CABINET

| | IF-360 | | | IF-H360 ※ 2 | | |
|---|---|---|---|---|---|---|
| | IF-360SL | IF-360SR | IF-360W | IF-H360SL | IF-H360SR | IF-H360W |
| ① Bracket(Left) | — | 1 pc | 1 pc | — | 1 pc | 1 pc |
| ② Bracket(Right) | 1 pc | — | 1 pc | 1 pc | — | 1 pc |
| ③ Bracket(No stay) | 1 pc | 1 pc | — | 1 pc | 1 pc | — |
| ④ AL-78 Rail | 2 pcs (length: 14″、16″、19″、24″) | | | | | |
| ⑤ Roller DR-19-B2 | 2 pcs | | | | | |
| ⑥ Insert SC-107-13 | 2 pcs | | | | | |
| ⑦ Slider F-15 | 2 pc | | | | | |
| ⑧ Guard Plate (High) | 2 pcs | 2 pcs | 4 pcs | 2 pcs | 2 pcs | 4 pcs |
| ⑨ Guard Plate (Row) | 2 pcs | 2 pcs | — | 2 pcs | 2 pcs | — |
| ⑩ Hinge 360-C26-19T | 2 pcs | | | — | | |
| ⑪ Hinge H360-C26-26T | — | | | 2 pcs | | |
| ⑫ Arm fixing plate NSDX-SZ | 1 pc | 2 pcs | | 1 pc | 2 pcs | |
| ⑬ Caution sticker | Japanese、English each 1 pc | | | | | |
| ⑭ Pan head screw with captive washer M4 × 6 | 6 pcs | | | | | |
| ⑮ Bind head tapping screw 3.5 × 16 | 33 pcs | 36 pcs | 33 pcs | 36 pcs | | |
| ⑯ Raised countersunk head tapping screw 3.5 × 16 | 4 pc | | | | | |
| ⑰ Truss head screw M4 × 5 | 1 pc | 2 pcs | 1 pc | 2 pcs | | |

※ 2 As for IF-H360. use the hinge of ⑪ H360-C26-26T(ϕ40) instead of ⑩ 360-C26-19T(ϕ35).

## FOR YOUR SAFETY AND CORRECT INSTALLATION

**Meaning of symbols**

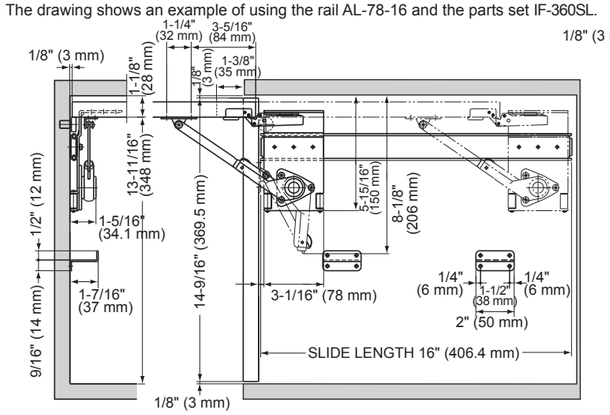
| Warning Caution | Prohibited | Required |
|---|---|---|

### ⚠ Caution: If not followed, injury or damage may result.

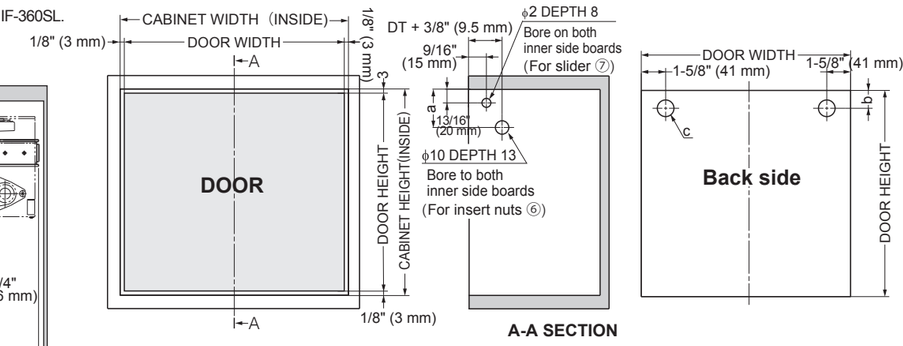
- **!** This product is a part for furniture. After installation, make sure to test the finished product thoroughly to ensure that it is functioning and safe. Please inform the end user how to use the product safely.
- ⃠ Do not use this product for any other purpose, or with doors that are outside the specifications of this manual.
- **!** Make sure to follow the designated dimensions, specifications, and horizontal/vertical angles. Make sure that the cabinet and door are not warped, since it may cause failure.
- **!** Recommended ambient temperature range is 32°F - 104°F (0°C - 40°C)
- **!** Make sure to check the screws for slack at regular intervals (one month from first usage, half a year, and then one time every year is recommended).
- **!** Affix attached caution sticker onto the door.

## INSTALLATION DRAWING (EXAMPLE)

The drawing shows an example of using the rail AL-78-16 and the parts set IF-360SL.




## CABINET AND DOOR FABRICATION

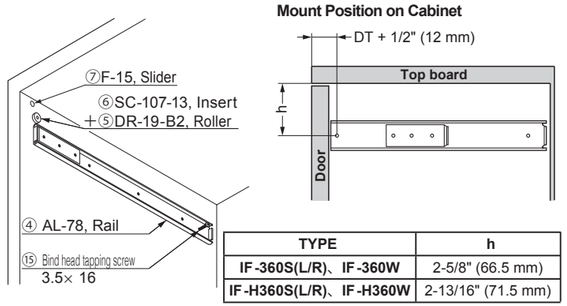



| TYPE | a | b | c |
|---|---|---|---|
| IF-360S(L/R)、IF-360W | 1-1/2" (37.5 mm) | 7/8" (22.5 mm) | ϕ35 depth11 |
| IF-H360S(L/R)、IF-H360W | 1-3/4" (43.6 mm) | 1" (26 mm) | ϕ40 depth15 |

DT = Door Thickness

## ASSEMBLY

### 1 Parts Assembly on Cabinet

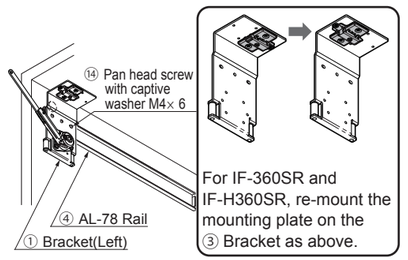



| TYPE | h |
|---|---|
| IF-360S(L/R)、IF-360W | 2-5/8" (66.5 mm) |
| IF-H360S(L/R)、IF-H360W | 2-13/16" (71.5 mm) |

DT = Door Thickness

### 2 Bracket Installation

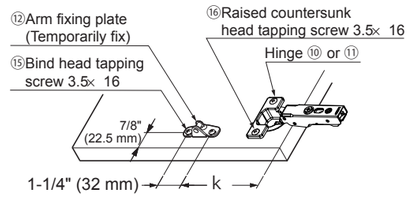
The drawing shows the case of ① Bracket(Left) As for ② Bracket(Right). it will be a mirror image.




For IF-360SR and IF-H360SR, re-mount the mounting plate on the ③ Bracket as above.

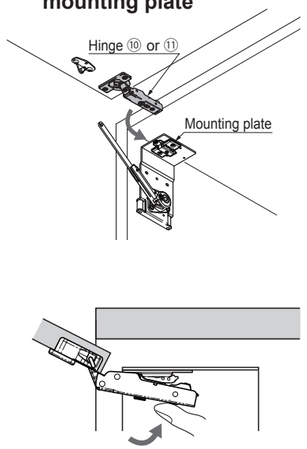
### 3 Parts Assembly on Door

The drawing shows the place where the stay is mounted For the ③ Bracket(No stay), ⑫ and ⑮ are not needed.




| TYPE | k |
|---|---|
| IF-360S(L/R)、IF-360W | 3-5/16" (84 mm) |
| IF-H360S(L/R)、IF-H360W | 3-1/4" (82 mm) |

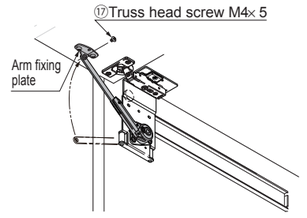
### 4 Assemble the hinges to the mounting plate



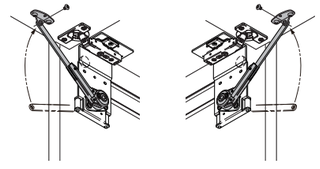

### 5 Fasten arm of Soft-down stay

**For IF-360S(L/R) and IF-H360S(L/R)**

Fasten the arm on the side to be mounted.

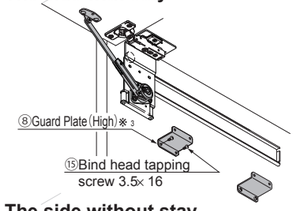



**IF-360W、IF-H360W(Mounted on both sides)**

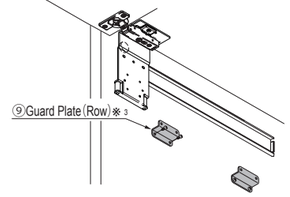


### 6 Mount guard plates

**The side with stay**



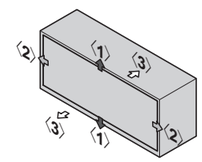

**The side without stay**



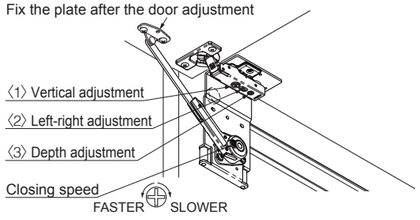

※ 3 Note that there are two kinds of guard plates (high) and (Low). If the guard plates are not enough to avoid interference with stored articles, install a middle plate.

### 7 Door Adjustment

Directions of adjustment and the corresponding screws.




Fix the plate after the door adjustment




### ⚠ Caution

- Do not use electric screw drivers for adjustment.
- Do not turn the adjustment screw beyond the adjustment range, since it may cause damage.
- Make the adjustment level equal on both sides.