

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.

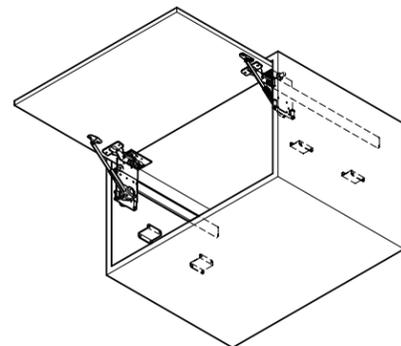
ABOUT THE PRODUCT

• 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)
Position of stay	L:Left R:Right	Both sides	L:Left R:Right	Both sides

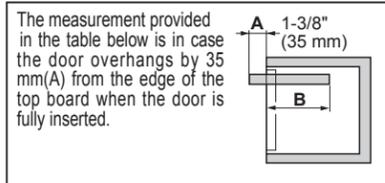
* 1 When the center of gravity is the same position as the center of the door.



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



PARTS REQUIRED PER CABINET

① Bracket(Left)	② Bracket(Right)	③ Bracket(No stay)	④ AL-78 Rail
⑤ Roller DR-19-B2	⑥ Insert SC-107-13	⑦ Slider F-15	⑧ Guard Plate (High) ⑨ Guard Plate (Row)
⑩ Hinge 360-C26-19T	⑪ Hinge H360-C26-26T	⑫ Arm fixing plate NSDX-SZ	⑬ Caution sticker
⑭ Pan head screw with captive washer M4 × 6	⑮ Bind head tapping screw 3.5 × 16	⑯ Raised countersunk head tapping screw 3.5 × 16	⑰ Truss head screw M4 × 5

	IF-360		IF-H360 * 2	
	IF-360SL	IF-360SR	IF-H360SL	IF-H360SR
①	—	1 pc	1 pc	—
②	1 pc	—	1 pc	—
③	1 pc	1 pc	—	1 pc
④	2 pcs (length: 14", 16", 19", 24")			
⑤	2 pcs			
⑥	2 pcs			
⑦	2 pcs			
⑧	2 pcs	2 pcs	4 pcs	2 pcs
⑨	2 pcs	2 pcs	—	2 pcs
⑩	2 pcs			
⑪	—		2 pcs	
⑫	1 pc	2 pcs	1 pc	2 pcs
⑬	Japanese, English each 1 pc			
⑭	6 pcs			
⑮	33 pcs	36 pcs	33 pcs	36 pcs
⑯	4 pc			
⑰	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

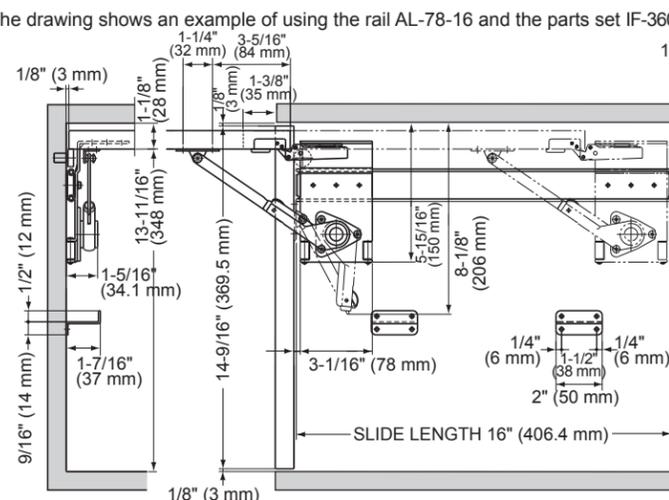


⚠ Caution: If not followed, injury or damage may result.

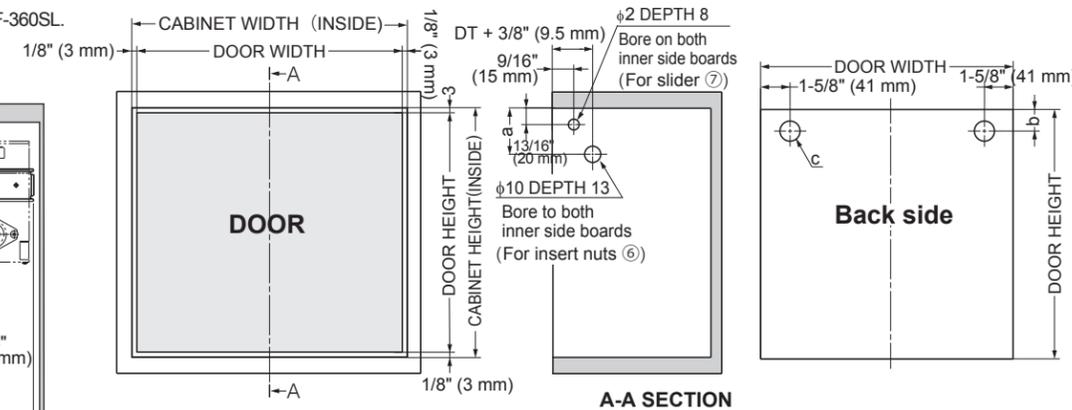
- ⚠ This product is a part for furniture. After installation, make sure to test the finished product thoroughly to ensure that it is functioning and safe. Please inform the end user how to use the product safely.
- ⊘ Do not use this product for any other purpose, or with doors that are outside the specifications 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

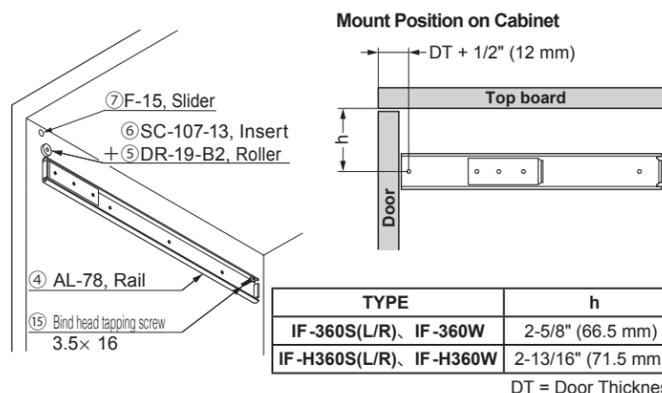


TYPE	a	b	c
IF-360S(L/R), IF-360W	1-1/2" (37.5 mm)	7/8" (22.5 mm)	φ35 depth 11
IF-H360S(L/R), IF-H360W	1-3/4" (43.6 mm)	1" (26 mm)	φ40 depth 15

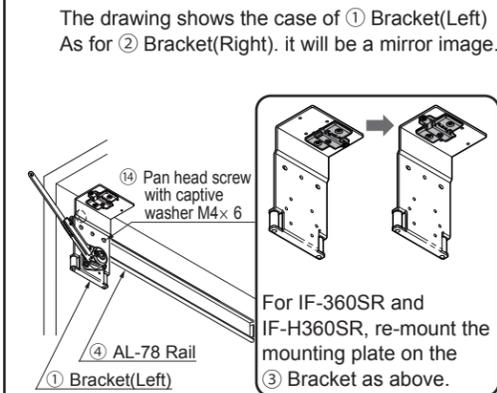
DT = Door Thickness

ASSEMBLY

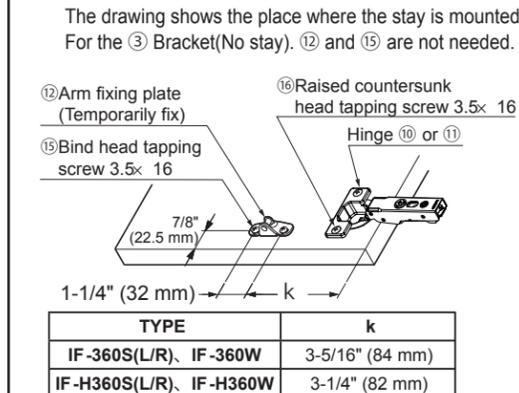
1 Parts Assembly on Cabinet



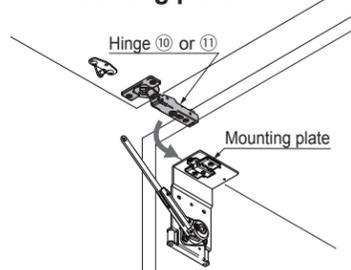
2 Bracket Installation



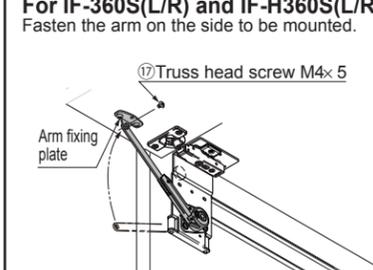
3 Parts Assembly on Door



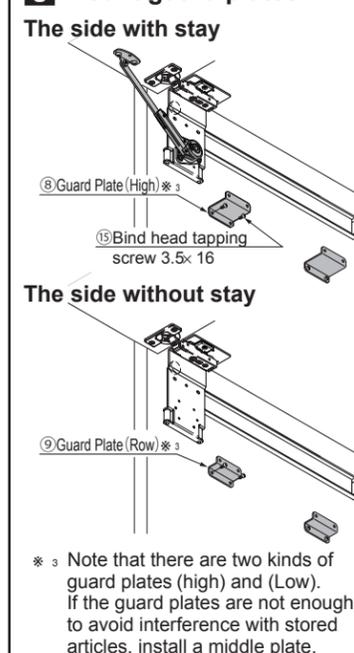
4 Assemble the hinges to the mounting plate



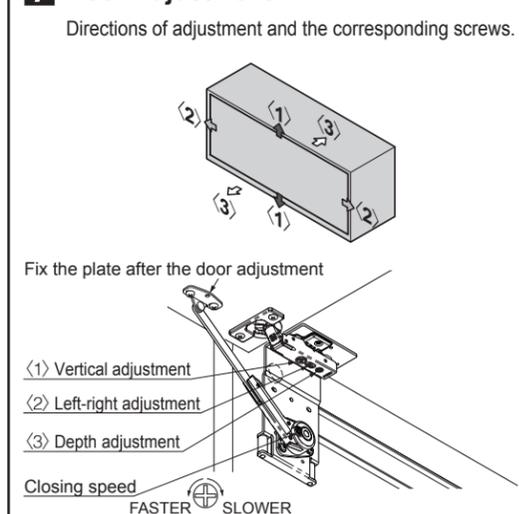
5 Fasten arm of Soft-down stay



6 Mount guard plates



7 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.