

INSTALLATION INSTRUCTION

IF-102S(SINGLE-TYPE)
IF-102W(DOUBLE-TYPE)
IF-H102S(SINGLE-TYPE)
IF-H102W(DOUBLE-TYPE)

Read this manual carefully for proper installation and operation. Incorrect installation and improper use of the product may cause damage to the unit and also cause injury. This manual should be kept by the user after installation.

Lapcon mount-on series



Lapcon is an innovative technology developed and designed for ultimate shock absorption and the smoothest opening and closing movement imaginable.

PARTS COMPONENT REQUIRED PER CABINET

① BRACKET	② AL-78 SLIDE RAIL	③ DR-19-B2 ROLLER	④ SC-107-13 INSERT
⑤ F-15 SLIDER	⑥ GUARD PLATE(**)	⑦ SCREW-A(M4×6)	⑧ SCREW-B(M3.5×6)
⑨ SCREW-C(3.5×16,BIND TAPPING)	⑩ SCREW-D(3.5×16,OVAL TAPPING)	⑪ 230-C26/19T HINGE	⑫ H230-C26/26T HINGE
⑬ 230-P4W-32T MOUNTING PLATE	⑭ NSDX35(L/R)K SOFT DOWN STAY		

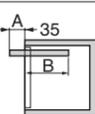
Note: Use the hinge H230-C26-26T only in case of IF-H102

	IF-102		IF-H102	
	IF-102S	IF-102W	IF-H102S	IF-H102W
①	2			
②	1 pair 14", 16", 19" or 24"			
③	2			
④	2			
⑤	2			
⑥	4			
⑦	14			
⑧	6			
⑨	36			
⑩	4			
⑪	2	2		
⑫			2	2
⑬	2			
⑭	1	1x1, R1	1	1x1, R1

TYPE	IF-102S	IF-102W	IF-H102S	IF-H102W
DOOR WIDTH	less than 1,200mm			
DOOR THICKNESS(T)	15-20mm		18-30mm	
TORQUE MOMENT *	2.5-6.9N · m (25-70kgf · cm)	4.9-13.7N · m (50-140kgf · cm)	2.5-6.9N · m (25-70kgf · cm)	4.9-13.7N · m (50-140kgf · cm)

Note: * Door height × 1/2 × door weight.
** In case of IF-102S, (IF-H102S) 2 pcs each upper and lower guard plate are included.

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

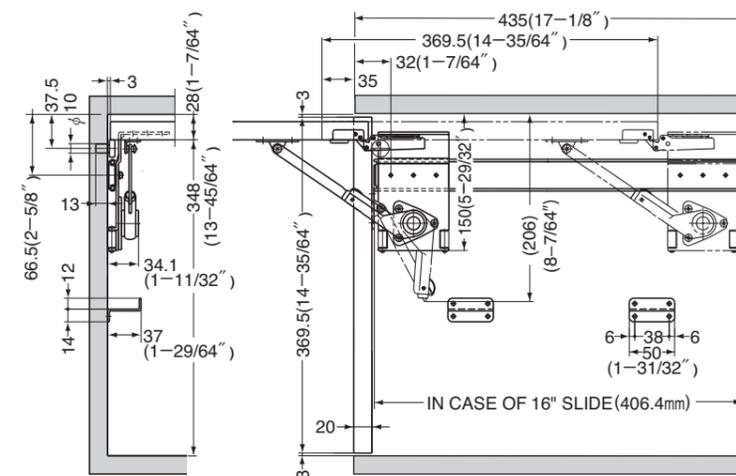


DIMENSIONAL INFORMATION

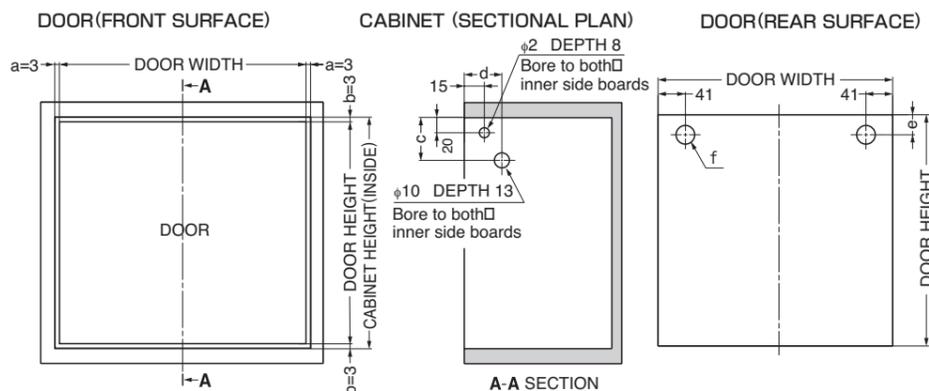
PART NO.	SLIDE RAIL		IF-102S & IF-102W		IF-H102S & IF-H102W	
	SLIDE LENGTH	TRAVEL LENGTH	B	RECOMMENDED DOOR HEIGHT	B	RECOMMENDED DOOR HEIGHT
AL-78-14	355.6(14")	267.6	263.7 + T*	298.7 + T	260.9 + T*	295.9 + T
AL-78-16	406.4(16")	318.4	314.5 + T	349.5 + T	311.7 + T	346.7 + T
AL-78-19	482.6(19")	394.6	390.7 + T	425.7 + T	387.9 + T	422.9 + T
AL-78-24	609.6(24")	521.6	517.7 + T	552.7 + T	514.9 + T	549.9 + T

* T=Door thickness(mm)

The drawing shows in case of 20mm thickness door and AL-78-16" slide rail with IF-102S.



STEP-1 CABINET AND DOOR FABRICATION

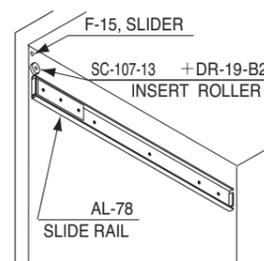


TYPE	c	d	e	f
IF-102S, IF-102W	37.5	9.5+Door thickness	22.5	φ 35 depth11
IF-H102S, IF-H102W	43.6	9.5+Door thickness	25	φ 40 depth15

Cut the door so that there is a 3mm gap between the cabinet and the door.(a&b gap).
Drill a 2mm dia. and 8mm depth holes inside of the cabinet.

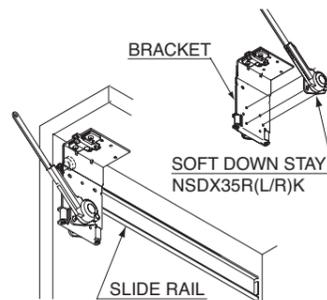
STEP-2 CABINET HARDWARE INSTALLATION

Insert F-15 slider(s) and SC-107-13 insert(s) into the holes cut inside of the side boards. Screw the DR-19-B2 roller into SC-107-13 insert. Mount the slide rail(s) using screw-C, 66.5mm down from the bottom of the top board to center of the screw holes and the front of the slide should be set at 12mm+ door thickness from the front of the cabinet.



TYPE	h
IF-102S, IF-102W	66.5
IF-H102S, IF-H102W	71.5

STEP-3 BRACKET INSTALLATION

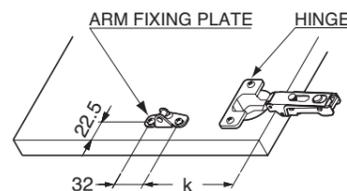


First mount the soft down stay NSDX35(L/R)K to the bracket(s) using screw-B, then mount the bracket(s) to the slide rail AL-78 using screw-A.

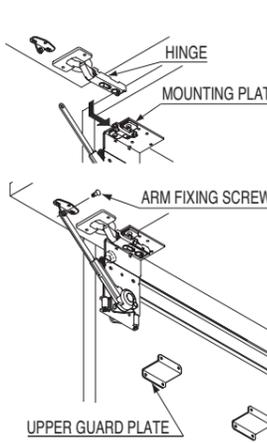
STEP-4 DOOR HARDWARE INSTALLATION

Mount the hinge to the door using screw-D. Mount the NSDX35(L/R)K arm fixing plate to edge(s) of the door using screw-C.

TYPE	k
IF-102S, IF-102W	84
IF-H102S, IF-H102W	82



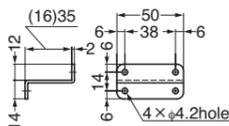
STEP-5 ASSEMBLY OF DOOR TO CABINET



Attach the hinges to the mounting plate on the cabinet. Rotate the NSDX-body to put the arm into the slot on the arm fixing plate and fasten using the arm fixing screw.

Mount the guard plate to the side of the cabinet with screw-C so that the plate will prevent objects from interfering with moving parts.

Note: Upper and lower guard plates are included with the IF-102S(Single type). Mount the upper guard plate to the side of NSDX35(L/R)K. If a cover for the mechanism is desired, use the guard plate as a bracket for the cover board.

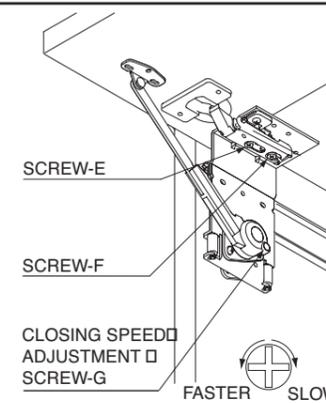


ADJUSTMENT

1. After installing the door to the cabinet, adjust the door position by turning the height adjustment screw-E and the side adjustment screw-F.

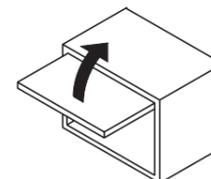
Note: Do not try to turn the speed adjustment screws exceeding their limitation.

2. To adjust the closing speed of the door, turn the closing speed adjustment screw-G on the NSDX unit clockwise to decrease the speed and counterclockwise to increase the speed. In case of IF-102W(IF-H102W), make sure the adjustment screws are turned evenly.

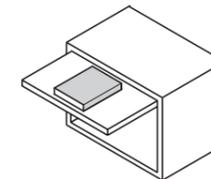


WARNINGS

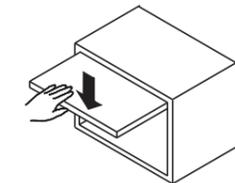
- This product is designed as a soft-closing stay and slide mechanism for a inset opening flipper door. We shall not be liable for any injuries or damage to the product due to incorrect installation and unintended application, etc.
- This product is designed to operate at room temperatures between 0°C~ 40°C (32° F-104° F).
- Changes in dimensions, finish and specification etc. may be done with or without notice.
- Please handle flipper door properly paying careful attention to the below listed matters and put the enclosed warning label on a highly visible area of the door.



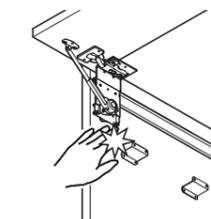
Do not force the door open beyond the horizontal position. It could damage the unit.



Do not place any object on the door when it is opened. The object may fall.



Do not force the door to close faster when it is in closing motion. It could cause damage.



Do not place your hands anywhere near the mechanism to prevent injury.