LIFT-ASSIST DAMPER LAD-ST With Stopper

Lapcon L=R INSTRUCTION
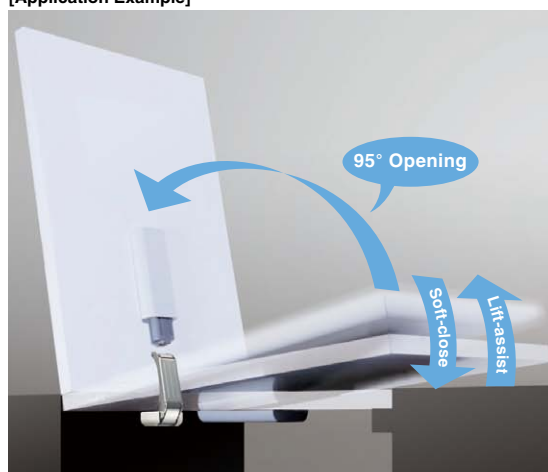
Lift-assist

Soft-close

Passed 100,000 open/close private cycle test

[Application Example]

95° Opening

Soft-close

Lift-assist

Opening Direction	Item Name	Description	Non-handed	Maximum Door Moment
Top-opening	LAD-ST-L	Lift-assist Soft-close	Yes	8.0~10.5 N·m/pc (81.6~107.1 kgf·cm/pc)
	LAD-ST-M			10.5~13.5 N·m/pc (107.1~137.7 kgf·cm/pc)
	LAD-ST-H			13.5~16.0 N·m/pc (137.7~163.2 kgf·cm/pc)

● Ideal for counter flaps at bars, restaurants, and receptions.
● Smooth and soft close movement at the end, preventing flaps from slamming shut. Damper works even at a slight opening angle.
● Lift-assist mechanism with light opening.
● Stops flap at 95° opening with stopper.
● Suitable for door thickness 15~40mm.
● Can be post-installed to existing counters without processing.
● Installation position can be easily determined with the supplied template.

[Specifications]
● Operating temperature: 0˚C~40˚C

[Remarks]
● Simply holds rather than fixes flap in opened position.
● Make sure to have sufficient hinge strength and installation strength at door hanging side.
● Do not use concealed hinge.
● Closed flap cannot be held with only this product. Please install a catch at the front end of flap.
● Do not forcibly open and close flap more than necessary.
● Ensure that the distance from mounting surface of damper unit and stopper to flap surface is 15~40mm (see drawing).
● Be careful not to pinch fingers between arm unit and damper unit.
● Do not use with spacer LAD-DP [1] (for thick door) and bracket for back mount LAD-BKT [2] (for horizontal installation).
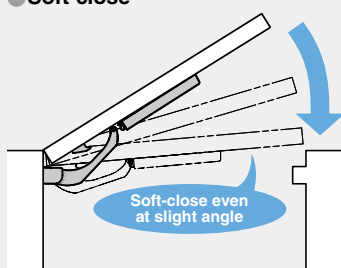
(S) election Tool
Sasuga-kun
Applicable Products
Used for Product Selection & Simulation. Available on Web!
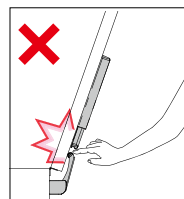
[Parts Included]
● Binding head tapping screw 4×16
● Template for positioning

● Soft-close

Damper works just before flap closes, preventing it from slamming shut and pinching fingers.

Soft-close even at slight angle

● Lift-assist

Door can be opened lightly

Lift-assist mechanism with light opening.

● With stopper
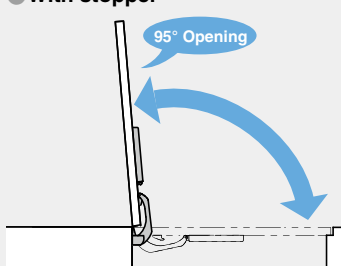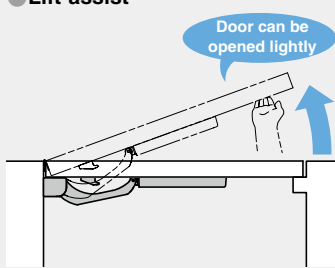
95° Opening

Stops flap at 95° opening.

● Easy post-installation
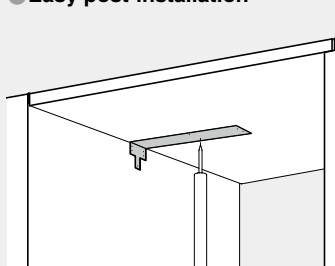
Can be post-installed to existing counters without processing. Simply by pressing against the supplied mounting template, installation position can be easily determined.

95°

(150)

2

60

Hinge (Not included)

Stopper※

Door

30

50

318

Mounting reference surface

15~40

18

Door back side

2×4.4×8.4 Oval

64

60

10 (From door back side)

12

2×φ4.5

Arm unit

Damper unit

2×4.4×8.4 Oval

58

83

172 (From mounting
reference surface)

10.5

136

156

75

30

2×φ4.5

4.5×7.5 Oval
10×13 Depth 5

20

32

32.1

5

10   17

2×φ4.5
φ9.5 Depth 7.5

※Installation position of stopper varies depending on
hinge and door thickness. Use the supplied template
for positioning.

[Door Size Ranges] 1pc use only

Door weight (kg)

Door height (mm)

LAD-ST-H
LAD-ST-M
LAD-ST-L

Refer to the left graph as a guide for model selection.
When using a door with size not given here, calculate the
door moment as follows.
Door weight includes attached decorations.

Maximum Door Moment (N・m)

= Door weight (kg)×9.80665×Distance from rotation centre
   to door centre of gravity (m)

RoHS	CAD	Item Code	Item Name	Material	Finish	Maximum Door Moment N・m/pc	Maximum Door Moment kgf・cm/pc	Recommended Thickness	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	170-033-213	LAD-ST-L	ABS/POM/Steel/ Zinc Alloy (ZDC)	Zinc Chromate/ Nickel Chrome/ Nickel	8.0~10.5	81.6~107.1	15~40	750	1	10
G	3D	170-033-214	LAD-ST-M			10.5~13.5	107.1~137.7			1	10
G	3D	170-033-215	LAD-ST-H			13.5~16.0	137.7~163.2			1	10

SUGATSUNE