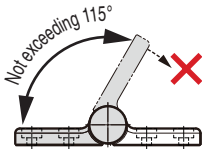




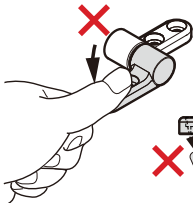
The hinge may be damaged if opened more than the specified angle.
Please refrain from doing so. (The figure shows the left handed version)



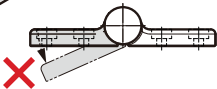
Installation example 1



Installation example 2






Installation example 1



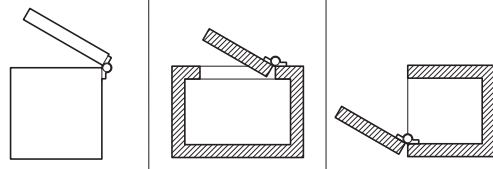
LAMP®
HG-JH14-50 SOFT-CLOSE DAMPENING HINGE Installation Instructions PAT.P 

Thank you for purchasing our HG-JH14-50 SOFT-CLOSE DAMPENING HINGE. This dampening hinge is equipped with the "Lapcon" soft-close mechanism. Be sure to read these instructions thoroughly and install the Product correctly. After reading these instructions, store them in a safe place that can be easily accessed by anyone using the Product.

Meanings of Pictographs

	Indicates actions that require "Caution".
	Indicates "Prohibited" actions.
	Indicates "Required" actions that must be done.



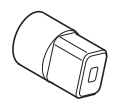
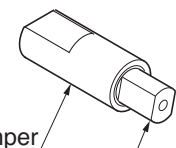
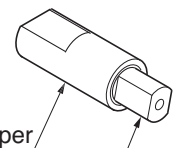

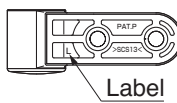
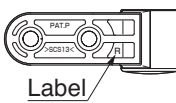
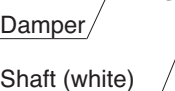
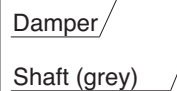
Check Before Installation The following contents describe instructions that, if not followed correctly may result in serious personal injury or damage to property.

<p>The Product can be fitted to any of the three types of doors shown on the right.</p> <ul style="list-style-type: none"> ● Use the Product within the prescribed load torque range (see the table in Specifications). Applying an excessive load torque may cause damage to the Product. ● Use a stopper or stay to prevent the Product from turning beyond the prescribed range of 115° (see Damper Effective Angle and Application Examples). Turning the Product beyond the prescribed range will damage the internal damper. ● Ensure that the part to which the Product is fitted has sufficient strength. If the part to which the Product is fitted does not have sufficient strength, the Product or door may fall causing injury. ● Check that the Product will be installed on a flat surface. ● When installing, ensure that both hinge shafts are aligned. An off-center shaft may increase the load or prevent smooth hinge operation. ● If it is necessary to install the Product on an inclined plane, consult our company. 	<p>Door Types</p>  <table border="1" style="width: 100%;"> <tr> <td style="width: 33%;">Upper cover (external fitting)</td> <td style="width: 33%;">Downward opening door (Internal fitting)</td> </tr> <tr> <td>Overlay coverage</td> <td>Inset</td> </tr> </table>	Upper cover (external fitting)	Downward opening door (Internal fitting)	Overlay coverage	Inset
Upper cover (external fitting)	Downward opening door (Internal fitting)				
Overlay coverage	Inset				

Precautions for Use The following contents describe instructions that, if not followed correctly may result in serious personal injury or damage to property.

- Do not force the door to close faster in the damper effective direction (see **Damper Effective Angle**). Doing so may cause damage to the Product.
- Do not disassemble the Product. Doing so may cause damage to the Product.
- The effectiveness of the damper may be decreased if the door opening angle is small.
- If the temperature in the installation location increases, the door movement in the damper working direction becomes quicker. If the temperature decreases, movement becomes slower. This is not a mechanical problem.

Product Details

Shape						
						
Name	Bracket L	Bracket R	Bush	Lapcon Damper - Left side	Lapcon Damper - Right Side	Installation Instructions
Quantity	2	2	2	1	1	1

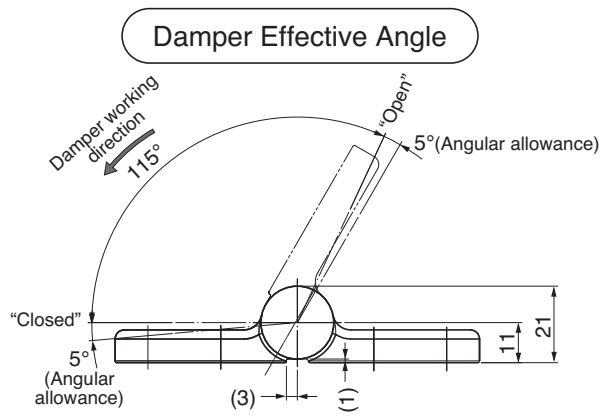
Installation screws, washers etc. are not included.
Recommended screw: M5 hexagon socket head screw x 8 (for two hinges (dampers))



Specifications

Item No.	Lapcon Damper *1 Shaft Color		Torque *2 N·cm [kgf·cm]
	White (left side)	Grey (right side)	300 to 500 [30.6 to 51]

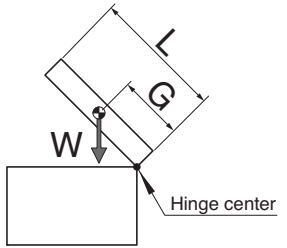
- *1 ... Left Side : Damper works when the shaft is rotated counter-clockwise
 Right side: Damper works when the shaft is rotated clockwise
- *2 ... Torque indicated when 2 hinges are used on 1 door
- Operating temperature: 0 to 40°C
- Operating humidity : Max. 90% RH



Installation Procedure

- Refer to the installation diagram below, and fit the hinges to the cabinet. Next, install the dampers ensuring that the damper direction is correct. The hinges can be fitted to the door first if you prefer. Fit the hinges to whichever is easiest.
- Open and close the door repeatedly to check that it operates smoothly. Also, check that the damper is working when moving the door in the damper working direction.


Torque Calculation



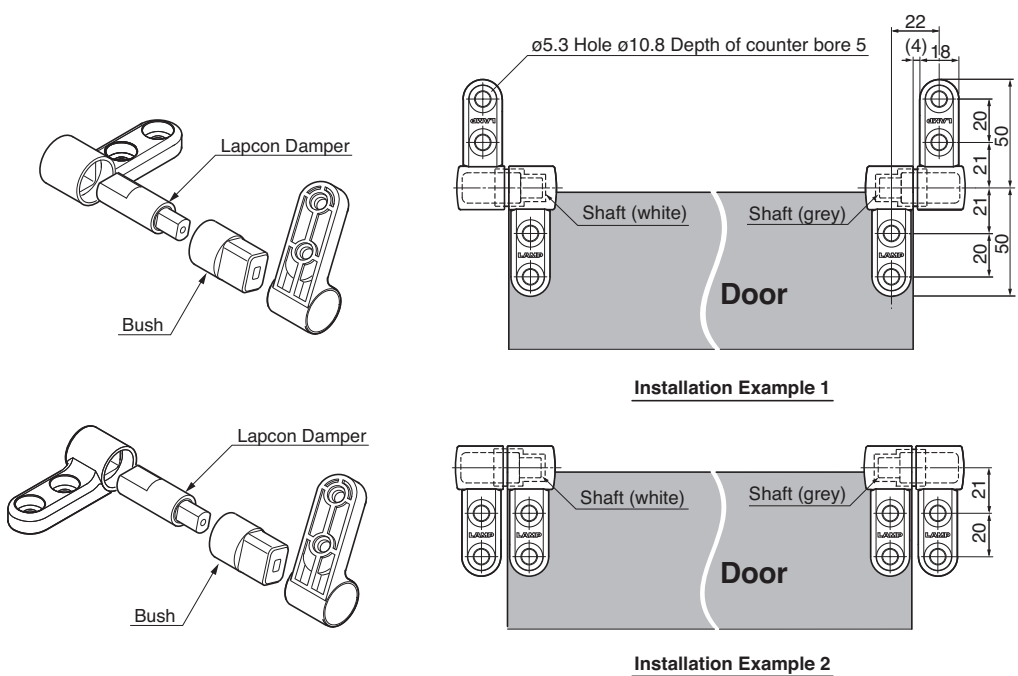
W : Door weight (kg)
 L : Door height (cm)
 G : Horizontal distance from the hinge center to the door center of gravity (cm)

= L / 2 * When the door is uniform in shape

Torque = W × G × 9.8 (N·cm)

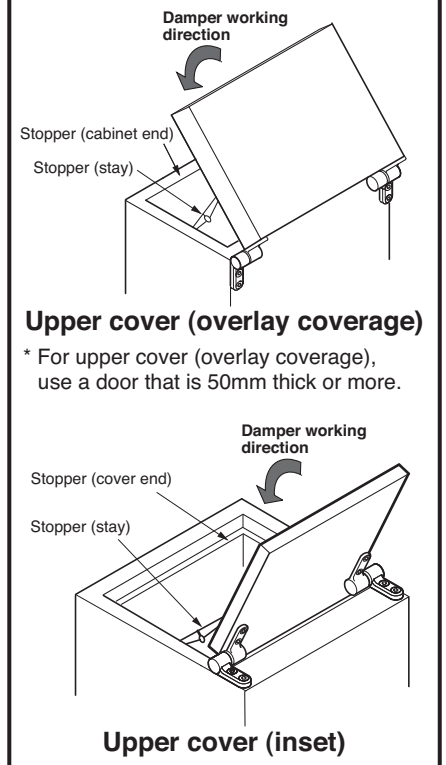
 Consider everything including handles etc. that apply torque to the damper.

Installation Diagram



When the underside of the door is facing upwards as shown in the diagram above, fit the left side damper on the left side, and the right side damper on the right side.

Application Examples



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ISO9001(Japan Offices and Sugatsune America) and ISO14001(Chiba Production division and Logistic center), certified.