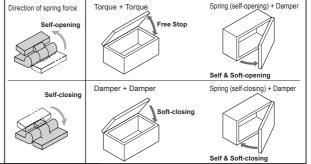
LAMP, HG-VH8 Combination Hinge Installation Instructions Designed.

Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

- Hinges for light weight lids, doors.
- Various motions in the same appearance
- Various combinations such as self-opening hinge + damper hinge (refer to "Possible combinations")

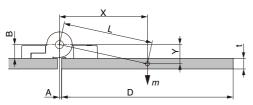


SPECIFICATIONS

Order code	Part No.	ID stamp	Color	Part built in	Torque cNm / piece	Operating temperature range	
170-032-616	HG-VH8-N-BL	N	Black			—	
170-032-617	HG-VH8-N-WT		White		_		
170-032-618	HG-VH8-D3-BL	52	Black	Demas	2.2 - 3.8		
170-032-619	HG-VH8-D3-WT	D3	White	Damper	2.2 - 3.0		
170-032-620	HG-VH8-OP-BL	OP	Black	Spring	* increase 1.53 cNm by 30 °	•	
170-032-621	HG-VH8-OP-WT	OP	White	(self-opening)	of revolution		
170-032-622	HG-VH8-CL-BL	CL	Black	Spring	* increase 1.53 cNm by 30 °	0 - 40°C	
170-032-623	HG-VH8-CL-WT	L CL	White	(self-closing)	of revolution	0-400	
170-032-624	HG-VH8-T15-BL	74	Black	Territo	4515		
170-032-625	HG-VH8-T15-WT	T1	White	Torque	15±5		
170-032-626	HG-VH8-T35-BL	T3	Black	Torque	35+10		
170-032-627	HG-VH8-T35-WT	13	White	Torque	30±10		

* See "How to adjust spring torque" on the right page.

MAXIMUM LID TORQUE CALCULATION



(Calculation example)

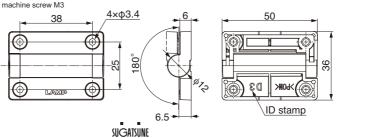
When D=12cm, A=0.1cm, B=0.65cm, t=0.5cm, m=0.08kg

 $L = \sqrt{(12/2+0.1)^2+(0.5/2+0.65)^2} = 6.13 \text{ cm}$

 $T = 0.08 \times 9.8 \times 6.13 = 4.8 \text{ cN} \cdot \text{m}$

DIMENSION

Recommended screw : Bind head machine screw M3



T=mx9.8xL

- T: Maximum lid torque (Nm)
- m: Lid weight (kg)
- D: Lid length (m)

X=D/2+A

- Y=t/2+B
- L: Distance between rotation center and gravity center of lid

$$L = \sqrt{X^2 + Y^2}$$

Possible combinations

Type of hinges	ID stamp	Ν	D3	OP	CL	T1	T3
Normal	N	0	0	0	0	0	0
Damper	D3	0	0	0	0	-	—
Spring (self-opening)	OP	0	0	0	-	Δ	Δ
Spring (self-closing)	CL	0	0	-	0	Δ	Δ
Torque	T1	0	-	Δ	Δ	0	0
Torque	T3	0	—	Δ	Δ	0	0

Δ Please carry out thorough tests before using since performance with these combinations might vary depending

on door size and weight.

FOR YOUR SAFETY WORK AND OPERATION

Meaning of symbols

Warning Prohibited Required Caution

Cautions: If these cautions are not followed, it may result in injury or damage.

This product is for indoor use only. Do not use outside or anywhere where it will be exposed to water.

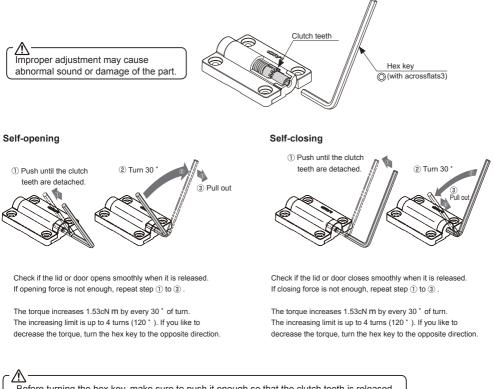
Do not use lubricant on the hinges since it may damages the hinges.

Align the shaft center of the hinges.

OUse within the specified torque range. (Damper hinges and torque hinges)

How to adjust spring torque (Spring hinges only)

Note that the direction to increase the spring torque for Self-open is different from the direction for Self-closing type.



Before turning the hex key, make sure to push it enough so that the clutch teeth is released.

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