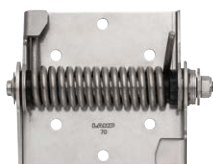


LAMP SPRING-ASSIST TORQUE HINGE HG-TLAJ70 Torque Adjustment NEWLatest
Info

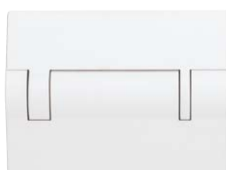
Free Stop

Lift-Assist

Passed Private 30K Cycle Test



Hinge



Cover (Light Grey)



Cover (Black)

- The built-in spring makes lids feel lighter to open and close. (The hinge is for top-opening lids.)
- Spring-Assist range: 100°.
- The retaining torque is adjustable with a hex key. (0 to 5 N·m)
- Optional cover is sold separately.

Specifications

- Operating temperature: -10°C ~ 50°C.

Application

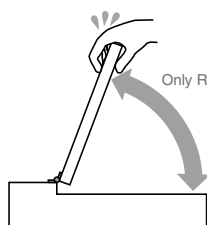
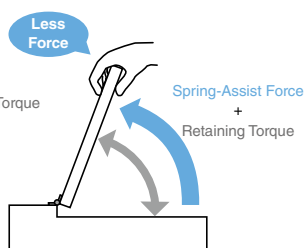
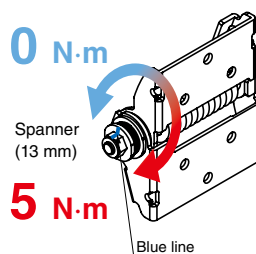
- Medical equipment, analytical instruments

Remarks

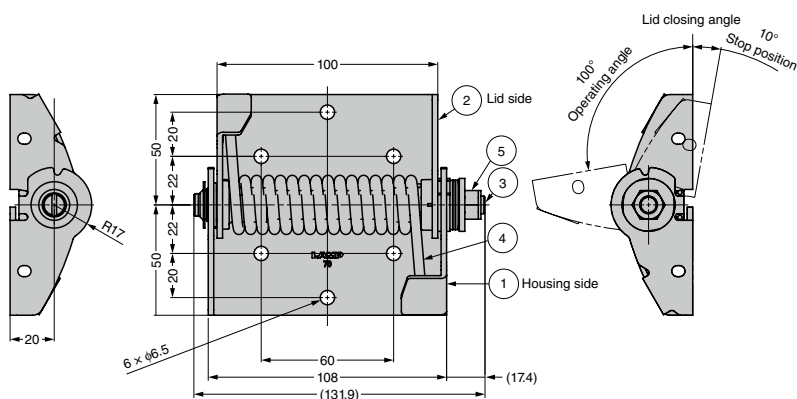
- After mounting to the fixture, with the lid open, hook the spring using a slotted screwdriver or similar tool.
- Once the spring is engaged, do not open or close the hinge on its own. The hinge may close under spring force, posing a risk of hand or finger entrapment.
- Do not detach the torque adjustment nut.
- Do not tighten the torque adjustment nut with a force of over 11 N·m. It may damage the hinge.

Sold Separately

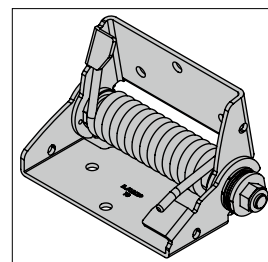
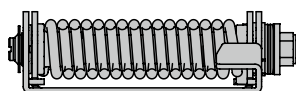
- Cover

Smoother than ever before**Normal Torque Hinge****Spring-Assist Torque Hinge****Retaining Torque Adjustment**

* Supplied with the torque set to 0 N·m.
Use the blue line on the nut as a reference when adjusting. When using multiple units, adjust each unit by approximately the same number of turns. Refer to the installation manual for detailed adjustment instructions.

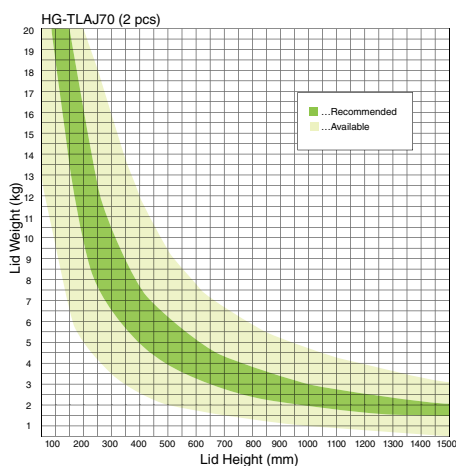


No.	Part Name	Material	Finish
①	Base	Stainless Steel (SUS304)	Barrel Polished
②	Bracket	Stainless Steel (SUS430)	
③	Shaft	Stainless Steel (SUS303)	-
④	Spring	Stainless Steel	
⑤	Torque Adjustment Nut M8		



Supplied Condition

Available Lid Size



Available Range

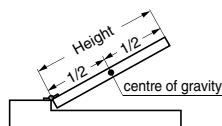
- Free-stop: 0° to 100°

Recommended Range

- Free-stop: 0° to 100°

- Moves very lightly: 1° to 99°

* Spring-assisted lid moment is close to 0 N-m.



Calculation Condition:

The centre of gravity is at the centre of the lid.

Spring Fitting Procedure

After hinge installation, hook the spring onto the bracket.



Install the hinge, then open the lid.

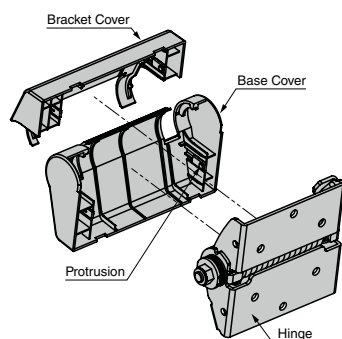


Hook the spring onto the bracket using a screwdriver, hex key (Allen key), or similar tool. For safe operation, insert the tip into the hole on the side of the bracket (circled in red).



Open and close the lid to verify that the spring is properly engaged with the bracket.

Component Parts



* How to Attach the Covers

1. Install the hinge to a lid.
2. Close the lid.
3. Attach the covers to the hinge.
4. Make sure the protrusion is properly seated in the hinge.

Selection



Hinge

RoHS	Item Code	Item Name	Spring-Assist Force		Retaining Torque		Weight (g)
			N-m	kgf-cm	N-m	kgf-cm	
●	170-057-909	HG-TLAJ70	6.5 - 7.8	66 - 79	0 - 5	0 - 51	583

Cover (Sold Separately)

RoHS	Item Code	Item Name	Colour	Material	Weight (g)
●	170-057-910	HG-TLAJC70-LGR	Light Grey	PBT	79
●	170-057-911	HG-TLAJC70-BL	Black		