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HG-TAJ TORQUE HINGE

HG-TAJ-LR15
Stainless Steel Spring Assist Torque Hinge, 3.0~4.2 Nm
Spring Assist Force



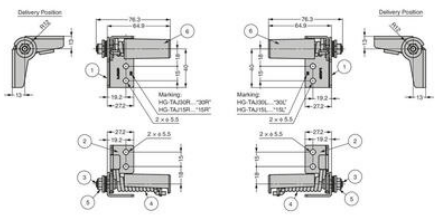
- Featuring L-Shaped Brackets
- Adjustable Retaining Torque
- Springs covered to reduce dust ingress

PRODUCT DESCRIPTION

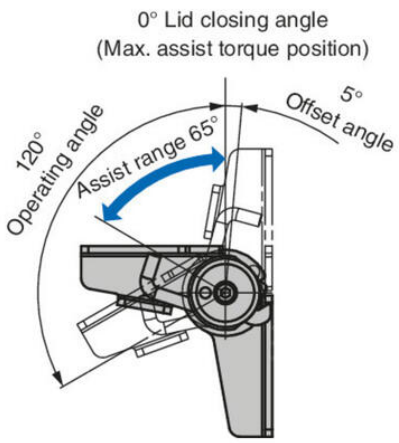
The HG-TAJ is a stainless-steel spring-assist torque hinge that lightens the load of opening lids and panels by engaging a built-in spring from 0° up to approximately 65° of travel. Each blade features an L-shaped bracket, ideal for installation on wide lids where enhanced structural support is required. It operates reliably within a temperature range of –10 °C to +50 °C, making it suitable for diverse indoor environments. Constructed of durable stainless steel, this hinge ensures longevity in both standard industrial and food-grade or architectural settings. The hinge's torque can be finely tuned to maintain desired lid resistance, and thanks to its robust design, it provides consistent assistance across thousands of cycles.
The HG-TAJ excels in equipment where controlled, effortless lid movement is critical such as medical devices, factory automation cabinets, and LCD monitor enclosures. By preventing sudden drops, it delivers safer performance in environments demanding precision and reliability. Also, integrating Sugatsune's Motion Design Tec principles, it ensures motion feels smooth and intuitive—with no abrupt starts or stops. Its L-bracket support and corrosion-resistant finish make it ideal for heavy or wide lids in industrial, medical, and architectural installations, boosting both usability and aesthetic integration.

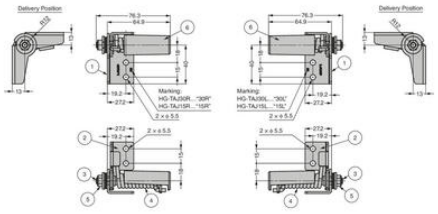
TECHNICAL DATA

Material	Stainless steel
Screw type	M5 bind head screws and M5 pan head screw
Surface finish	Barrel Polished
Temperature range	-10°C~50°C
Weight	244 g



No.	Part Name	Material	Finish/Colour
①	Base	Stainless Steel (SUS430)	Barrel Polished
②	Bracket	Stainless Steel (SUS304)	
③	Shaft	Stainless Steel (SUS303)	-
④	Spring	Stainless Steel	
⑤	Torque Adjustment Nut M6		
⑥	Cover	PBT Resin	Light Grey





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