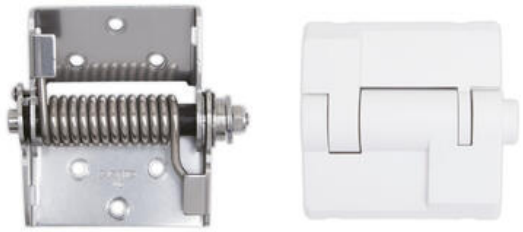
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HG-TLAJ TORQUE HINGE

HG-TLAJ40
Stainless Steel Torque Hinge, 3.5~4.4Nm Spring Assist Force, 0~3.5Nm Retaining Torque



- Adjustable Retaining Torque
- Optional Cover
- Hinge to support opening top heavy lids

PRODUCT DESCRIPTION

The HG-TLAJ is a stainless-steel, surface-mounted torque hinge featuring built-in spring assistance and adjustable retaining torque, ideal for top-opening lids and panels. Its lift-assist spring supports opening and closing within a 0–100° range, reducing effort and improving ergonomics. The hinge's retaining torque, ranging from 0–3.5 Nm, is easily tuned using a 10 mm hex key for tailored resistance. Made of stainless steel with polished finish and complemented by a 430 stainless or plastic cover (optional), it has been durability tested for 50,000 open/close cycles and operates between 0 °C and 40 °C.
In real-world applications, the HG-TLAJ excels in safety-critical and precision-focused industries such as medical devices, laboratory analysers, and factory-automation equipment where controlled lid motion is essential. By enabling free-stop positioning and effortless lift, it eliminates sudden drops and facilitates holistic cleaning and maintenance without removing lids.

TECHNICAL DATA

Material	Stainless steel
Retaining Torque	0~3.5Nm
Spring Assist Force	3.5~4.5 Nm
Surface finish	Barrel Polished
Temperature range	0 °C~40 °C
Weight	222 g