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# HG-TAJ TORQUE HINGE

HG-TAJ-LR30
Stainless Steel Spring Assist Torque Hinge, 6.0~8.0 Nm
Spring Assist Force



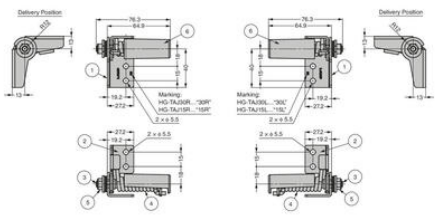
- Featuring L-Shaped Brackets
- Adjustable Retaining Torque
- Springs covered to reduce dust ingress

### PRODUCT DESCRIPTION

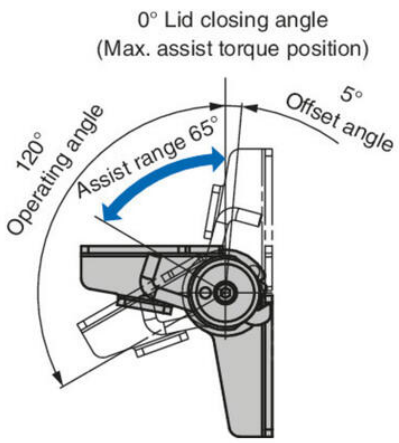
The HG-TAJ is a stainless-steel spring-assist torque hinge that lightens the load of opening lids and panels by engaging a built-in spring from 0° up to approximately 65° of travel. Each blade features an L-shaped bracket, ideal for installation on wide lids where enhanced structural support is required. 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.

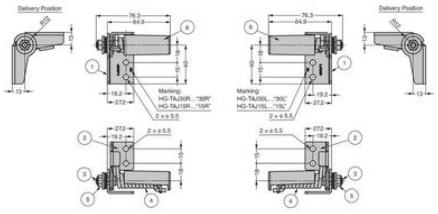
# TECHNICAL DATA

| | |
|---|---|
| **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** | 264 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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