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HG-PA LIFT ASSIST HINGE

HG-PA270-45
Lift Assist Hinge Outside Mount, 45N Torque, Stainless Steel

- Various Adjustable Torques
- Lift Assist
- Soft Close

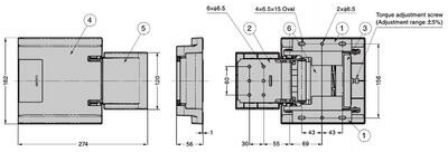


PRODUCT DESCRIPTION

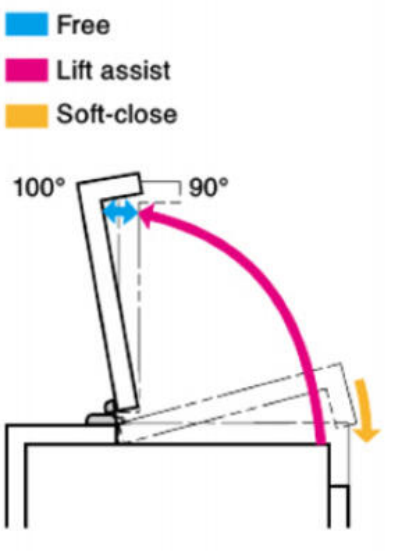
Sugatsune's HG-PA lift-assist hinges are precision-engineered to significantly ease the operation of heavy lids or panels by featuring integrated spring tension and soft-closing damping in a compact stainless-steel package. These hinges provide adjustable torque, typically in the range of ±5–11% depending on the model, and deliver smooth, quiet motion that prevents slamming during closure. Available in various configurations, including surface-mounted, inside-mount, and different torque ratings, the HG-PA series uses 430 or 304-grade stainless steel for durability, with models like the HG-PA202-2 offering a maximum damper torque around 2 Nm, adjustable via a set screw for precision tuning.
In practical applications, HG-PA hinges are ideal wherever heavy or bulky panels need effortless, controlled opening and closing. They excel in marine and industrial equipment, medical and laboratory cabinetry, overhead storage lids, and specialist enclosures, eliminating the bulk and gas-leak risks of traditional gas springs. Their soft-close function enhances user safety and product longevity, making them perfect for high-usage environments like equipment cases, service access panels, or kitchen lift-up flaps. With their adjustable torque and clean, rust-resistant finishes, HG-PA hinges deliver both ergonomic performance and reliable, maintenance-free operation.

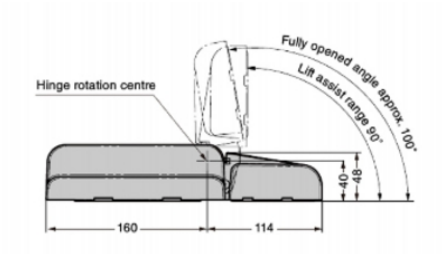
TECHNICAL DATA

Material	Stainless steel, Steel, POM, PBT
Torque	45N±10%
Weight	2500 g



No.	Part Name	Material / Colour
①	Base A	Stainless Steel (SUS430)
②	Base B	
③	Case	
④	Cover A	PBT/Light Grey
⑤	Cover B	
⑥	Slider	POM
–	Spring	Steel (SWO)


Free
Lift assist
Soft-close
100°
90°


Hinge rotation centre
Fully opened angle approx. 100°
Lift assist range 90°
40
8
160
114