

HIGH-RIGIDITY SWIVEL TORQUE HINGE HG-S-HR50 For Unbalanced Loads



Free stop

Passed 30,000 open/
close private cycle test

Video Link



- Has high rigidity and can handle unbalanced loads.
- Can rotate 360° and hold at any angle.
- Centre hole for cable management.
- Rotation angle can be controlled with the supplied angle control bolt.

[Applications]

- Operation panel of machine tools and LCD, etc.

[Remarks]

- Be sure to read the "Cautions" **1**.
- Never turn top flange screws (6 pcs), at risk of malfunction.

[Parts Included]

- Hexagon Socket Head Cap Screw M5x12 (2 pcs) for angle control
- Spring washer 5 (2 pcs)

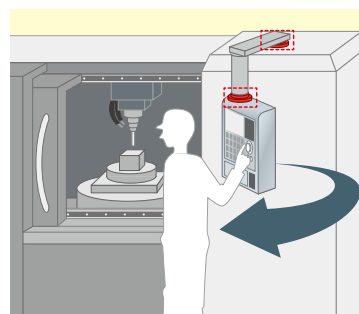
[Application Example]



Horizontal Mounting



Vertical Mounting

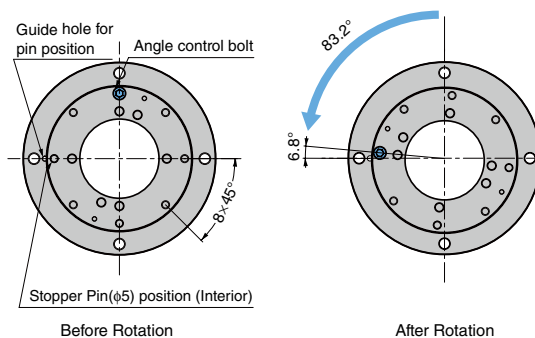


Free Stop at Any Angle



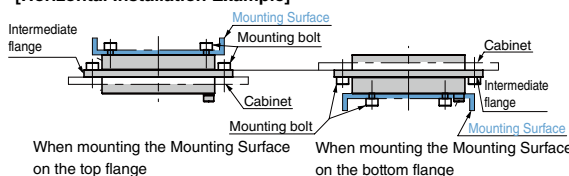
[Rotation Angle Control Function]

Rotation angle can be controlled by using the included angle control bolt.



There are 8 angle control screw holes at 45° intervals; the actual rotation angles are 6.8° narrower because the stopper pins are blocked by bolts.

[Horizontal Installation Example]

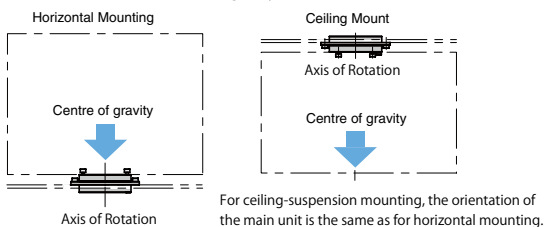


When mounting the Mounting Surface on the top flange

When mounting the Mounting Surface on the bottom flange

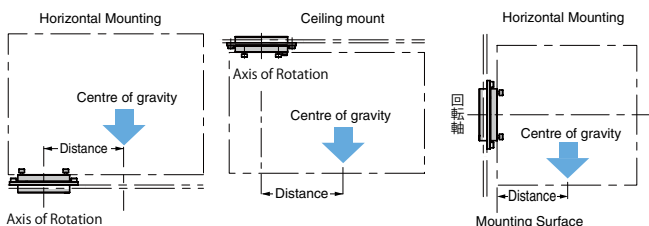
[Mounting direction, Allowable Vertical Load and Allowable Moment]

Allowable Vertical Load (Centre of gravity of load coincides with axis of Rotation)

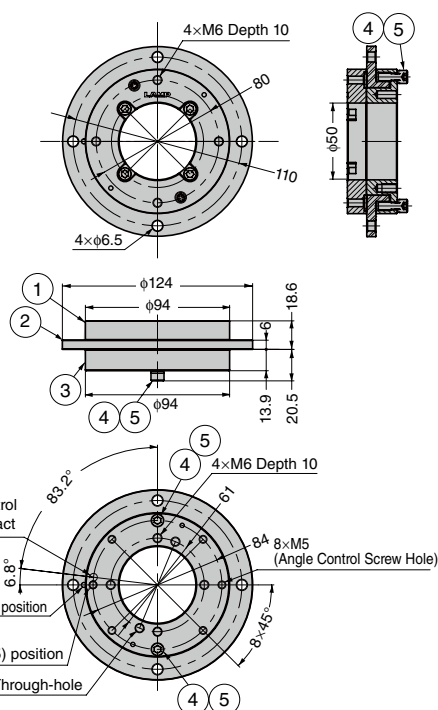
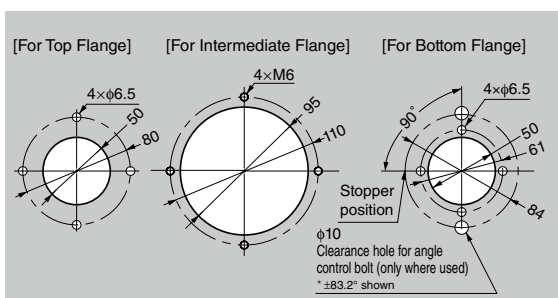


For ceiling-suspension mounting, the orientation of the main unit is the same as for horizontal mounting.







Allowable Moment (Load centre of gravity and axis of Rotation mismatch)



[Cut Out Dimensions]



No.	Part Name	Material	Finish / Colour
①	Top Flange	Steel	Clear Zinc Chromate
②	Intermediate Flange		
③	Bottom Flange		
④	Hexagon Socket Head Cap Screw M5x12	SUS304	—
⑤	Spring Lock Washer 5	Steel	Clear Zinc Chromate

Part#	CAD	Item Code	Item Name	Size	Hole Diameter	Torque	Vertical Load Capacity	Allowable Moment N · m		Weight (g)
						N · m	N	Horizontal	Vertical	
		170-051-124	HG-S50-HR50	124	50	5.0±20%	600	80	60	1330
		170-053-362	HG-S100-HR50			10.0±20%				1320
		170-053-363	HG-S150-HR50			15.0±20%				1318