

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



Free stop

Passed 30,000 open/close private cycle test

Video Link



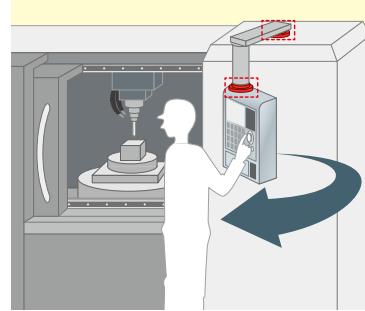
[Application Example]



Horizontal Mounting



Vertical Mounting

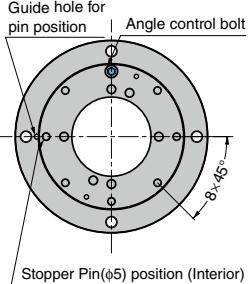


Free Stop at Any Angle

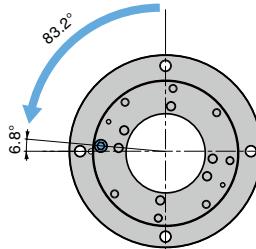


[Rotation Angle Control Function]

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

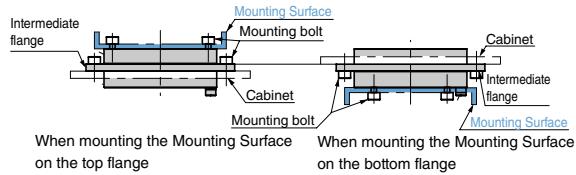


Before Rotation



After Rotation

[Horizontal Installation Example]



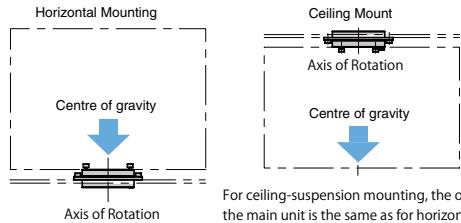
When mounting the Mounting Surface on the top flange

When mounting the Mounting Surface on the bottom flange

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.

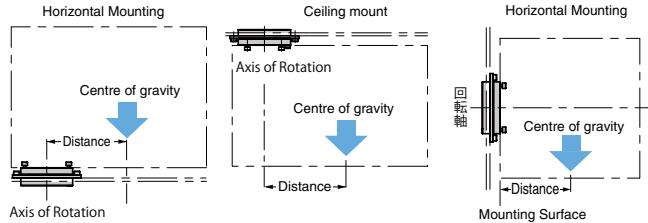
[Mounting direction, Allowable Vertical Load and Allowable Moment]

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

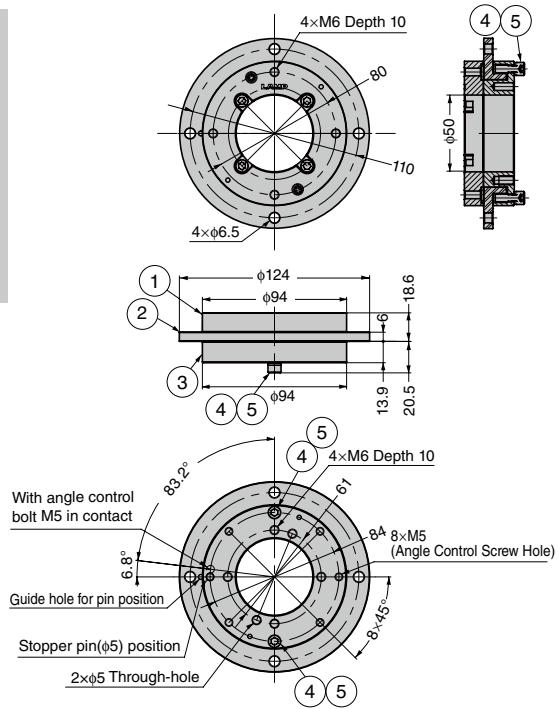
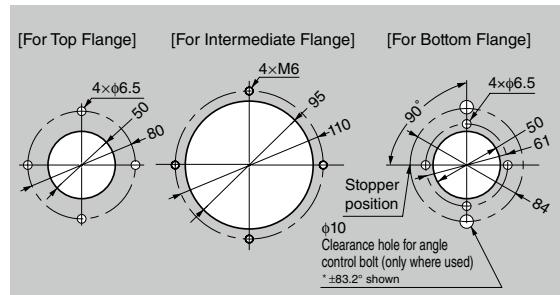


For ceiling-suspension mounting, the orientation of the main unit is the same as for horizontal mounting.

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

RoHS	CAD	Item Code	Item Name	Size	Hole Diameter	Torque N·m	Vertical Load Capacity		Allowable Moment N·m		Weight (g)
							N	Horizontal	Vertical		
GR	3D	170-051-124	HG-S50-HR50	124	50	5.0 ^{±20%}	600	80	60	1330	
GR	3D	170-053-362	HG-S100-HR50			10.0 ^{±20%}				1320	
GR	3D	170-053-363	HG-S150-HR50			15.0 ^{±20%}				1318	