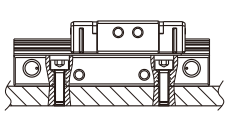


Slide table cylinder

HGS Series

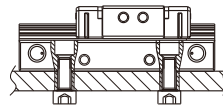
Installation and application

1. Cylinder can be mounted from 4 directions
2. When mounting an compact slide cylinder, screws of appropriate length should be used and tightened properly within the maximum tightening torque.
If screws are tightened beyond designed limits, malfunction may occur. If they are tightened insufficiently, it may result in sliding of falling off from its position.



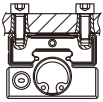
Model	Bolt used	Max. tightening torque (Nm)	Max. screw-in depth(mm)
HGS6	M3×0.5	1.1	4.3
HGS8	M3×0.5	1.1	6.3
HGS10	M3×0.5	1.1	6
HGS12	M3×0.5	1.1	4.8
HGS12	M4×0.7	2.5	4.8

Note: M3X0.5 bolt is used for HGS12X5/10.

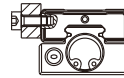


Model	Bolt used	Max. tightening torque (Nm)	Max. screw-in depth(mm)
HGS6	M4×0.7	2.5	4.3
HGS8	M4×0.7	2.5	6.3
HGS10	M4×0.7	2.5	6
HGS12	M4×0.7	2.5	6.8
HGS12	M5×0.8	5.1	6.8

Note: M4X0.7 bolt is used for HGS12X5/10.



Model	Bolt used	Max. tightening torque (Nm)	Max. screw-in depth(mm)
HGS6	M3×0.5	1.1	3
HGS8	M3×0.5	1.1	3
HGS10	M3×0.5	1.1	3
HGS12	M3×0.5	1.1	4

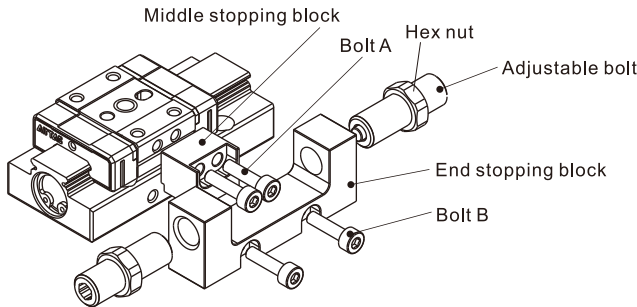


Model	Bolt used	Max. tightening torque (Nm)	Max. screw-in depth(mm)
HGS6	M2×0.4	0.26	4
HGS8	M2×0.4	0.26	4
HGS10	M3×0.5	1.1	3
HGS12	M3×0.5	1.1	4

Installation of Accessories

Locking torque shown in the following table is recommended to tighten the bolts, if bolts are tightened beyond designed limits, malfunction may occur; If they are tightened insufficiently, it may result in sliding of falling off from its position.

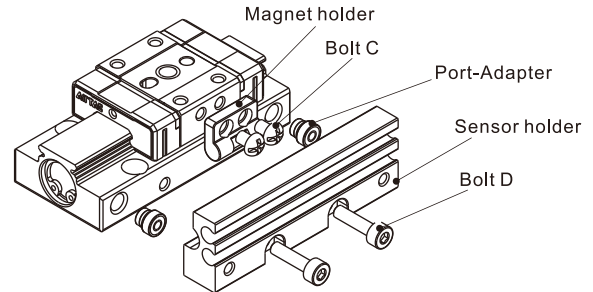
Stroke adjustable device



Model	Bolt A used	Max locking torque(N.m)	Bolt B used	Max locking torque(N.m)
HGS6	M2X0.4X10L	0.26	M2.5X0.45X10L	0.36
HGS8	M2X0.4X10L	0.26	M3X0.5X10L	1.1
HGS10	M3X0.5X12L	1.1	M3X0.5X12L	1.1
HGS12	M3X0.5X12L	1.1	M3X0.5X12L	1.1

Sensor Seat

Port-adaptor must be assembled correctly, leaks may happen if it is missing.

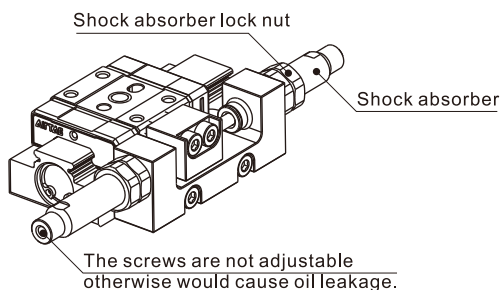


Model	Bolt C used	Max locking torque(N.m)	Bolt D used	Max locking torque(N.m)
HGS6	M2X0.4X6L	0.26	M2.5X0.45X10L	0.36
HGS8	M2X0.4X6L	0.26	M3X0.5X10L	1.1
HGS10	M3X0.5X4L	1.1	M3X0.5X10L	1.1
HGS12	M3X0.5X4L	1.1	M3X0.5X10L	1.1

Sensor seat can be installed on both sides of cylinder while stroke adjustment device can only be installed on the side with no ports.

About shock absorber

1. Shock absorbers are expendable. Promptly replace them when energy absorbing capacity decreases.
2. Never turn or adjust the screws on bottom of the shock absorber body. The screws are not for adjusting. Otherwise would cause oil leakage.
3. Follow the table for tightening torque of shock absorber to lock nuts.



Model	Shock absorber	Tightening torque
HGS6	Without shock absorber	
HGS8		
HGS10	ACA0806-1N	1.67(N.m)
HGS12	ACA0806-1N	1.67(N.m)