ELECTRIC CYLINDER
2026



LINEAR MOTION EXPERT

• Safety use and cautions

Here are a few Suggestions to prevent problems during product use.

In order to prevent accidents and safety maintenance, before you use the company's product,you must understand the characteristics of the products and use conditions,installation instructions.

Please use the product of this model within the selected parameter range, and do not use it beyond the parameter range, otherwise it will cause unpredictable danger. If it is used under special conditions, it must be confirmed that it is within the controllable safety performance before it can be used. If you have any questions about the product parameters, you can consult the relevant technology of our company before you use it.

Please note: When the product is installed vertically, please pay attention to whether the slide object will drop by itself when the motor is disassembled. It is recommended to remove the slide object. Lower to the lowest end before disassembly.

Before running the product, check whether the cable terminals are in good contact or not, otherwise the motor will become hot and run poorly.

When debugging the parameters of the motor, we need to consider the reasons of inertia, acceleration and deceleration. We should control the motor manually and move it back and forth to prevent the inappropriate debugging and damage the object. It is not allowed to contact hands and other objects to maintain a safe distance and prevent accidental injury.

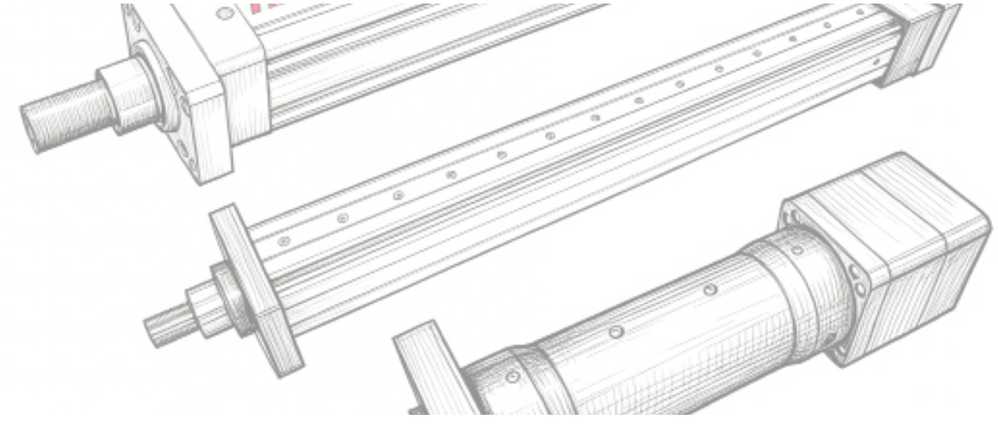
When the screw drive product is selected,if the slenderness ratio parameter of the screw exceeds, resonance may occur, so the moving speed should be reduced. Choose a belt. When the product is driven, such as the motor alarm, the product will not move. At this time, the reducer is added to adjust the rigidity of the motor and increase the torque, so as to run smoothly.

When installing this product, please make sure that all screws are locked as required, otherwise the product may be in danger during operation.

Please do not disassemble the product or parts when the power is turned on, otherwise electric shock, malfunction or other dangers may occur.

It is forbidden to tear off the warning signs, or the warning signs are blocked by other objects, otherwise the accident may occur because you don't see the warning.

This note can not cover all the problems. Please be sure to understand the product and its instructions in detail. comply with relevant safety codes, and take necessary protective measures to avoid product damage or personal safety problems. If you have any other related questions, you can consult us.



Maintenance manual

1.Daily inspection items

Electric cylinder is a common transmission mechanism, which is widely used in all kinds of equipment in actual operation. It needs to be checked and maintained in time because of the different environment and working conditions.

Daily inspection items	
1. Check the surface of parts for damage, indentation and friction.	2. Is there any abnormal vibration or noise in the screw,piston rod and bearing.
3. Whether the motor, coupling/synchronous wheel have abnormal vibration or noise.	4. See if there are any unknown dust, oil stains, traces, etc.

2.Periodic maintenance project

Electric cylinder is a common transmission mechanism, which is widely used in all kinds of equipment in actual operation. It needs to be checked and maintained in time because of the different environment and working conditions.

Parts	Maintenance scheme	Maintenance cycle	Specific operation
Ball screw	Add grease (viscosity: 30-40cts).	Once a month or every 100KM distance.	Pass the new grease through the syringe (the hole of the profile body). On the inner ball screw of the electric cylinder.
Piston rod	Add grease (viscosity: 30-150cts) Clean up old grease and inject new grease.	Once a month or every 100KM distance.	Wipe the surface of the piston rod directly with a dust-free cloth, and directly apply new grease to the surface of the piston rod.

3.Exceptions and solutions

Abnormal condition of electric cylinder	Maintenance and troubleshooting methods
Abnormal sound is produced when the power supply is connected.	1. Adjust the value of the servo drive parameter "mechanical resonance suppression". 2. Adjust the value of Auto tuning in the servo driver.
Abnormal sound is produced when the motor rotates.	1. Adjust the value of the servo drive parameter "mechanical resonance suppression". 2. Adjust the value of Auto tuning in the servo driver. 3. Check whether the motor brake release. 4. Check whether the mechanism is deformed due to overload.
The piston rod is not smooth when the motor is running.	1. Check the brake release. 2. Separate the motor from the electric cylinder, and pull the slide bar by hand to determine the cause of the problem. 3. Check the coupling setting screws for loosening. 4. Check the moving area of the electric cylinder for foreign objects falling.
The walking distance of the electric cylinder is inconsistent with the actual distance.	1. Check whether the input walking value is correct. 2. Check whether the lead input value is correct.
The motor is ON, and the piston rod does not move.	1. Check the brake release. 2. Check whether the coupling fixing screw is loose. 3. Separate the motor from the electric cylinder, and judge the problem and reason.

In addition, the company is responsible for the fault maintenance of its own goods, and is not responsible for other losses caused by product failure.