

电动缸工况调查表

Electric Cylinder Condition Investigation Sheet

1.应用设备Application apparatus

2 安装接口Install interface

(1) 缸体安装方式Installation mode of cylinder block

> 单耳叉Single earring

衬套With bushing 轴承With bearings 无Without

> 双耳叉Double earring

衬套With bushing 无Without

> 耳轴Trunnions

> 法兰Flange

侧面Side 轴向Axial

> 其它Other _____

(2) 活塞杆头安装方式Installation mode of rod end

> 单耳叉Single earring

衬套With bushing 轴承With bearings 无Without

> 双耳叉Double earring

衬套With bushing 无Without

> 螺纹Thread

内螺纹Internal 外螺纹External

> 其它Other _____

3.性能Performance

最大线性速度Max linear speed: _____ mm/s 负载at load _____ KN

静态负载Static load: 推力Pull _____ KN 拉力Push _____ KN

动态负载Dyanic load: 推力Pull _____ KN 拉力Push _____ KN

侧向力Lateral force: _____ KN

工作行程Operating stroke _____ mm

工作周期Number of work cycles: _____次/小时(cycles/hour) _____小时/天(hours/day)

_____天/年(days/year) _____年(years)

防护等级IP Protection: IP _____

工作温度Operating temperature: 常温normal 低温low _____°C 高温high _____°C

供电电源Voltage _____V: 直流DC 交流AC

工作环境Working condition: 室内Indoor 室外Outdoor

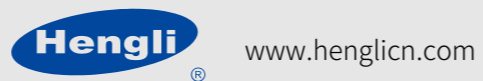
控制模式Control mode: 模拟量Analog 数字Digital 总线Field bus

活塞杆防旋转Anti-rotation: 无防转No Anti-rotation 防转Anti-rotation

刹车Brake: NO YES

自锁要求Self_locking: NO YES

4.其他客户要求Other customer requirements



HENGLI HYDRAULIC

As a domestic benchmark enterprise in the field of high-end hydraulic control transmission technology, Hengli Hydraulic is actively advocating and performing innovations in four areas of product design, manufacturing process, quality and management improvement. Hengli is dedicated to realizing hydraulic component intelligent production, efficient and energy saving production. Through technology innovation, we are supporting a better worldwide recognition of "Made in China", contributing to a new global hydraulic industry structure and worldwide technology innovation. In response to diversified market demands, Hengli is committed to designing and developing hydraulic control and transmission products and solutions based on the specific local requirement for worldwide customers. Especially for mobile machinery and tunnel boring industries, Hengli maintains a sustainable competitive advantage replying on mature application experience and strong cooperation partnership with our customers.

What we provide

- High pressure cylinder
- High performance hydraulic test bench
- Hydraulic piston pump and motor
- High precision casting
- Mobile machinery control valve
- Pneumatic component and system integration
- Industrial valve
- Cold drawn seamless tube
- Hydraulic power unit and system
- Surface thermal spray treatment

We are looking forward to working with you!

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HENGLI HYDRAULIC



High performance electric cylinder

- High efficiency • Fast speed
- Heavy loading • High precision

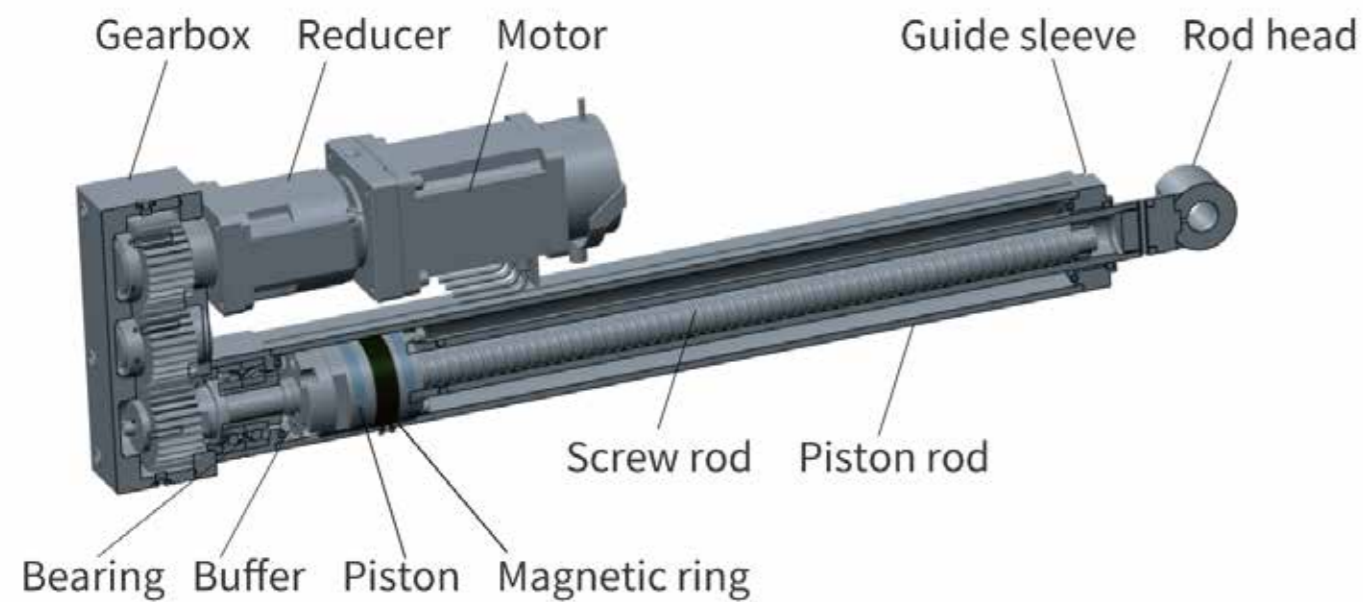
HENGLI

ELECTRIC CYLINDER

With the ever-increasing stringent environmental regulations, people's awareness of environmental protection is gradually increasing, and the requirements for construction machinery are getting higher and higher. With its advantages, such as low noise, no leakage, high efficiency, and low pollution of the electric cylinder just make up for this demand. Various types of constructor machinery or manipulators, equipped with the electric cylinders as the mechanical carrier, have gradually become more popular in many enterprises.

As a kind of electric actuator, electric cylinder has the characteristics of low cost, compact structure, convenient installation, high control precision and flexible operation. As a mechanical motion carrier, the electric cylinder drives the ball screw to move through the rotation of the servo motor, with angular displacement transformed into linear displacement, achieving accurate speed control, position control, and thrust control.

Because of its high efficiency, large load capacity, fast speed, precise and controllable movement, the electric cylinder is widely used in many fields including aerospace testing, multi-degree of freedom simulation, multi-degree of freedom dynamic entertainment, multi-degree of freedom precision machining, robots, auto manufacturing equipment, steel connection casting, petrochemical engineering, materials handling, injection molding machine, mold control, valve control, precision machinery, pharmaceutical machinery, food processing and other fields.



APPLICATION

ELECTRIC CYLINDER



R&D Strength

At the time of conventional theoretical calculations, we use finite element software for assistant analysis and calculation under the complex stress conditions of the electric cylinder, thereby more effectively ensure that the design strength meets the needs of use, and the durability test bench can be used for life testing and performance testing.



CUSTOMED

PRODUCTS

► Screw

		
T-screw	Ball screw	Roller screw
> Self-locking > Low efficiency	> High precision > High efficiency	> High precision > High efficiency > Strong carrying capacity
> Low cost	> Medium cost	> High cost

► Transfer method

		
Turbine rod	Gear	Synchronous pulley
> Self-locking > Large transmission ratio	> Small size > Large transmission torque	> High efficiency > Maintenance-free
> Low efficiency	> High efficiency	> Low cost > Low noise

► Way to install the cylinder

- Single-ear fork
- Double-ear fork
- Trunnion
- Flange

► Piston rod installation method

- Single-ear fork
- Double-ear fork
- Screw thread
- Ball head

► Performance

