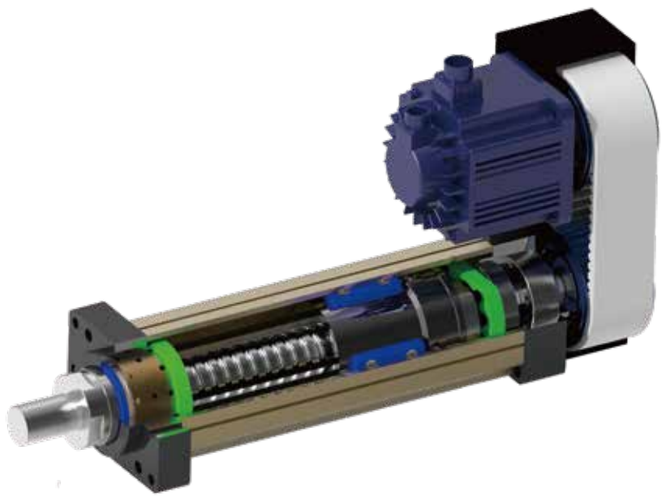
EAMON
伊　明

DIDH

SERVO ELECTRIC CYLINDER
伺服电动缸



结构特点 STRUCTURAL CHARACTERISTICS

电动缸是将电机正反旋转运动通过丝杠和丝杠副的机械运动转换为往返直线运动。利用伺服电机的闭环控制特性，可以很方便的实现对推力、速度和位置的精密控制；利用现代运动控制技术、数控技术及总线（网络）技术，实现程序化、总线（网络）化控制。由于其控制、使用的方便性，将实现气缸和液压缸传动所不能实现的精密运动控制。

Electric cylinder transforms forward and backward rotation motion of motor into reciprocating linear motion by the movement of lead screw and auxiliary screw. With the colosed-loop control characteristics of servo motor, it is very convenient to achieve the precise control of thrust, velocity and position; and with modern motion control technology, numerical control technology and BUS control technology, it is possible to realize program control and BUS control. Due to the convenience of the control and usage of electric cylinder, it could realize the precision motion control which could not be realized by air cylinder and hydraulic cylinder.

注意：

1. 电动缸活塞杆不能承受径向载荷，以免损坏电动缸.
2. 电动缸为精密传动设备，请不要用在有强力冲击的工况.
3. 选型时，请根据负载工况和设计寿命，加入安全系数.

Notice:

1. The piston rod of the electric cylinder cannot bear radial load, so as not to damage the electric cylinder.
2. The electric cylinder is a precision transmission device, please do not use it in the working condition with strong impact.
3. When selecting a model, please add a safety factor according to the load conditions and design life.

DI/DH SERIES advantage
DI/DH系列优势

01

机械结构紧凑、体积小、设计原理简单

The mechanical structure is compact, the volume is small, the design principle is simple

02

效率高、响应速度快、惯量低、噪音低

The high efficiency, fast response speed, low inertia, low noise

03

性能可靠、保护功能完善、使用寿命长、节能环保

The perfect protection function, reliable performance, long service life,

04

同时替换应用滚珠和滚柱丝杠

At the same time the replacement application of ball and roller screw

05

安装、调试、操作和维护，简单、方便

Installation, commissioning, operation and maintenance, simple and convenient

同轴直线式电动缸
Coaxial linear electric cylinder

本系列电动缸集成了交流伺服电机、伺服驱动器、高精度滚珠丝杠、模块化设计等技术，整个电动缸具有结构紧凑、惯性小、响应快、低噪音和长寿命等优点。伺服电机与电动缸的传动丝杠直接相连接，使伺服电机的编码器直接反馈电动缸移动活塞的位移量，减少了中间环节的惯量的间隙，提高了控制性和控制精度。伺服电机与电动缸整体相连，安装容易、设计简单、使用方便。电动缸的主要零部件均采用国外名牌产品，性能稳定、故障率低、可靠性高。

This series of electric cylinder integrated AC servo motor, servo drive, high precision ball screw and modular design technology. The electric cylinder has the features of compact structure, small inertia, low noise and long life, etc. Servo motor is connected directly with the transmission screw of the electric cylinder, which allows the encoder of the servo motor to give direct feedback on the displacement quantity of the moving piston of the electric cylinder and reduces the gap of the inertia of the intermediate links, and improves the control and its precision. The servo motor is connected directly with the electric cylinder and is easy to install, easy to design and convenient to use. Main parts of the electric cylinder are using renown offshore products, which ensures its stable performance, low failure ratio and high reliability.

同步带折返式电动缸
Synchronous belt return type electric cylinder

折返式电动缸由于整体长度短，适用于安装位置比较小的场合。同时本方案选用的同步带与齿轮箱，具有强度高、间隙小、寿命长的特点，使整个电动缸具有较高的控制精度。伺服电机与电动缸配合灵活，安装容易、设定简单、使用方便。

Due to the short integral length, the reciprocating electric cylinder is suitable for the occasions where the installation position is relatively small. At the same time, this scheme adopts the synchronous belt and gear box, which has the characteristics of high strength, small clearance and long service life, so that the whole electric cylinder has high control precision. Servo motor and electric cylinder with a flexible, easy to install, easy to set, easy to use.

特殊制作（可选配）SPECIAL PRODUCTION(OPTIONA)

材料及表面处理
Materials and surface treatment

外壳：高强度航空铝合金，硬质氧化处理，美观大方。
活塞杆：镀铬合金钢，耐腐蚀，高强度。

Shell: high strength aviation aluminum alloy, hard oxidation treatment, beautiful and generous.
Piston rod: chrome alloy steel, corrosion resistance, high strength.

导向机构及定位
Guide mechanism and positioning accuracy

一般情况下按重复考虑选择，同时考虑电机的精度。直线度不应以电动缸的推杆作为导向，客户应设计自己的导向机构。
电机并联比直联精度会降低因为中间经过同步带或者行星减速机。

Under normal circumstances, the accuracy of the motor is selected according to the repeated consideration. Straight line should not be driven by the electric cylinder of the push rod, the customer should design their own guide.
The accuracy of the parallel connection of the motor is reduced because of the intermediate passing through the synchronous belt or the planet speed reducer.

速度
Speed

高速运动（大于 200mm/s）时需要特别考虑寿命。同时承载能力和精度都会有所下降。

High speed motion (greater than 200mm/s)requires special consideration of lifetime. At the same time, the carrying capacity and the precision will be decreased.

行程
Trip

电动缸选型时的行程应比实际使用的有效行程大 20mm 至 50mm，是为推杆碰到限位开关后减速停下留下的空间。速度越快，空间越大。

Electric cylinder type selection of the stroke should be more than the actual use of the effective stroke 20mm to 50mm, is for the push rod to touch the limit switch to stop the space behind. The faster the speed, the greater the space.

推力
Thrust

电机并联时，选择齿轮传动要比同步带传动时，推力更大。

When the motor is connected in parallel, the selection of gear transmission is more than that of the synchronous belt drive.

运行周期
Operation period

使用滚珠丝杠可频繁运行（大于 50%）或连续运行。

Ball screw can be used frequently (more than 50%) or continuous operation.

电机选择
Motor selection

交流伺服电机精度高、速度快、推力大、不丢步。
步进电机精度较高、速度慢、推力不太大（小于 600KG。）
普通直流电机可以调速，不能定位。
普通异步交流电机不能调速和定位。

AC servo motor with high precision, high speed, large thrust, not lost step.
Stepper motor with high precision, slow speed, thrust is not too large (less than 600KG.)
Ordinary DC motor speed control, can not be positioned.
General asynchronous AC motor can not speed and positioning.

01

特殊安装、防护、防尘、防潮

Special installation, protection, dust, moisture

02

高低温环境

High and low temperature environment

03

海上防水、防爆作业

Waterproof, anti explosion operation at sea

04

配线性唯一传感器

Wiring displacement sensor

05

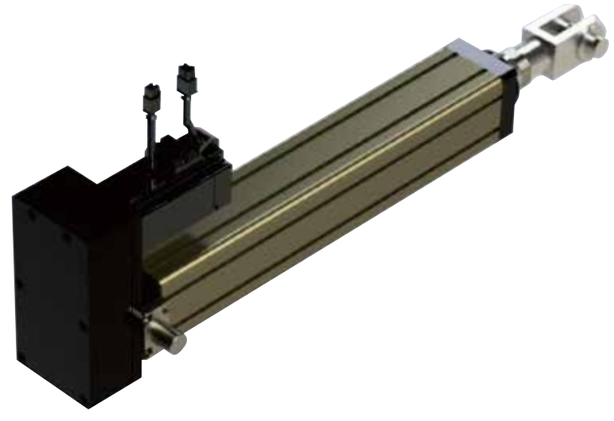
配压力传感器

With pressure sensor

06

可抗回转机构

Anti rotation mechanism



07

配行星减速机

With planetary reducer

08

电机：伺服电机、直流伺服电机、步进电机、直流电机、交流变频电机等。

Motor: servo motor, DC servo motor, stepper motro, DC motor, AC variable frequency motor, etc..

电机输出扭矩与电动缸输出力的关系
RELATIONSHIP BETWEEN OUTPUT TORQUE OF MOTOR AND OUTPUT FORCE OF ELECTRIC CYLINDER

$$F=T\times\eta\times2\pi\times R/L$$

F：电动缸输出力，单位：KN 千牛	F: electric cylinder output force, unit: KN kn
T：电机输出扭矩，单位：Nm 牛米	T: motor output torque, unit: Nm cattle.
R：减速比	R: reduction ratio
L：丝杠导程，单位：mm	L: lead screw guide, unit: mm
η：效率（一般选择电动缸的总效率85%，但是效率根据实际使用工况会有变化，请注意）	ETA: efficiency (generally 85%, the total efficiency of the electric cylinder but the efficiency according to the actual use conditions will change, please note)

电动缸的寿命计算
LIFE CALCULATION OF 2 ELECTRIC CYLINDER

电动缸的寿命一般是指电动缸内部使用的丝杠寿命，可分为两部分，一是丝杠的疲劳寿命，它可以通过计算得出；另一个是使用寿命，取决于使用条件（如温度、灰尘、使用润滑的种类和定期保养的频率等等）。使用寿命往往通过经验得出。

Electric cylinder life generally refers to the use of electric cylinder internal screw life can be divided into two parts, one is the fatigue life of the screw, it can be obtained by calculation; another is the service life depends upon to use conditions (such as temperature, dust, use kinds of lubricating and regular maintenance frequency and so on).

使用寿命往往通过经验得出。以下是电动缸的疲劳寿命计算方法。

Life is often obtained by experience. The following is the calculation method of the fatigue life of the electric cylinder.

$$L10=(CA/FM)^3\times L$$

L10:电动缸的寿命，单位：km	L10: electric cylinder life, unit: km
Fm:电动缸承受的平均负载，单位：KN	Fm: electric cylinder bear the average load, unit: KN
Ca:丝杠螺母的基本额定动负载，单位：KN (可通过丝杠样本查出)	Ca: screw nut of the basic rated dynamic load, unit: KN (can be detected through the screw sample)
L: 丝杠导程，单位：mm	L: lead screw guide, unit: mm

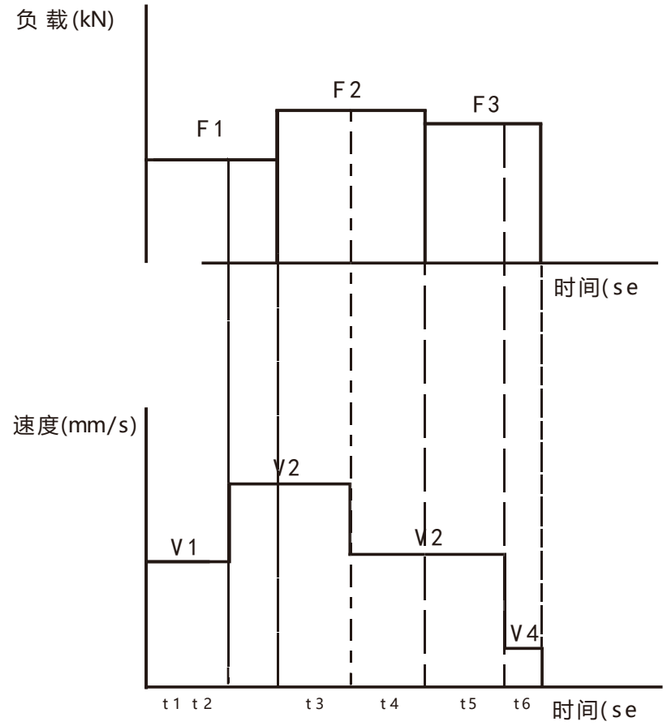
平均负载的计算
THE CALCULATION OF THE AVERAGE LOAD

平均负载是指电动缸在一个工作循环中，综合在各个不同工作区间的力、速度和时间后得出的立方平均值。

Average load refers to the average of the electric cylinder in a working cycle,the consolidated draw in force,spees and time of the working interval cubic.

电动缸的负载变化
如右图所示

The change in load of the electric cylinder As shown on the right



电动缸的运行速度变化
如右图所示

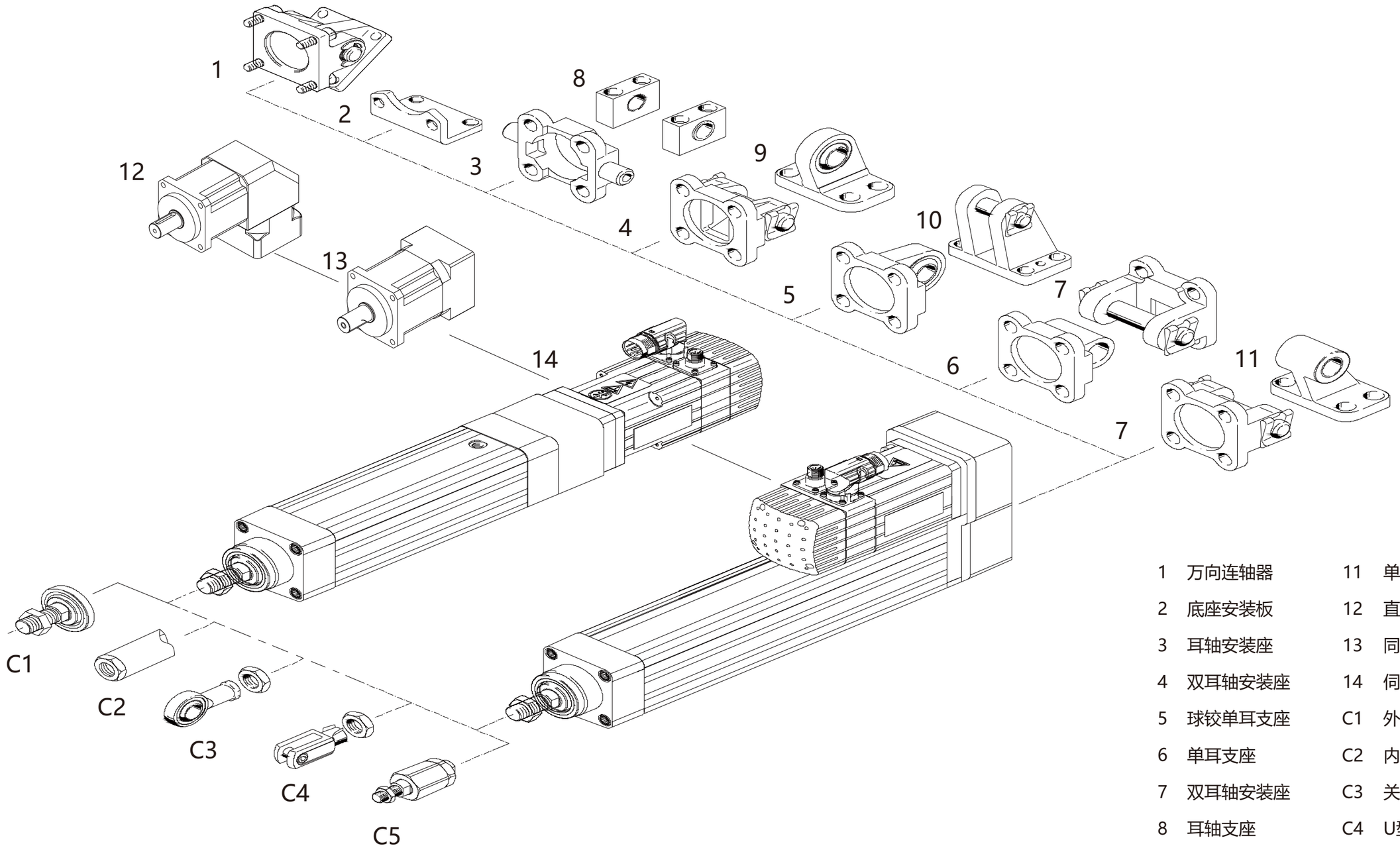
Changes in the runing speed of the electric cylinder As shown on the right

电动缸的平均负载的计算公式如下

The averae load of the electric cylinder is calcuated as follows

$$Fm=\sqrt[3]{\frac{F_1^3\times v_1\times t_1+F_1^3\times v_2\times t_2+F_2^3\times v_2\times t_3+F_2^3\times v_3\times t_4+F_2^3\times v_3\times t_4+F_3^3\times v_3\times t_5+F_3\times v_4\times t_6}{v_1\times t_1\times v_2\times t_2+v_2\times t_3+v_3\times t_4+v_3\times t_5+v_4\times t_6}}$$

安装附件
MOUNTING ACCESSORIES



1	万向连轴器	11	单耳轴支座
2	底座安装板	12	直角减速机
3	耳轴安装座	13	同轴减速机
4	双耳轴安装座	14	伺服电机
5	球铰单耳支座	C1	外螺纹输出连接
6	单耳支座	C2	内螺纹输出连接
7	双耳轴安装座	C3	关节轴承连接
8	耳轴支座	C4	U型插销连接
9	鱼眼单耳支座	C5	浮动螺纹接头
10	双耳环安装件		

安装型式
MOUNTING TYPE

订货型号表示
ORDERING REPRESENTATION

DI95	S200	T	R10	M1	C1	P2	机电型号
a	b	c	d	e	f	g	h

a.电缸型号 Electric cylinder
DI 50、DI65、DI75、DI95、DI110
DI145、DI165、DI210、DI250 DI300

b.行程 Trip
DI 50:0-800mm、DI65:0-1200mm
DI75:0-1500mm、DI95:0-1800mm
DI110:0-1800mm、DI145:0-2200mm
DI165:0-3000mm、DI210:0-4000mm
DI250:0-5000mm、DI300:0-5000MM

c.活塞杆防转 Output mode
- T：防转 Anti rotation
- R：不防转 Non anti rotation

d.丝杆导程 Lead screw guide
DI 50:5,10、DI65:5,10,16,20
DI75:5,8,10,20,25、DI95:5,8,10,20,32
DI110:5,8,10,20,40、DI145:10,,20,50
DI165:10,20,30,40、DI210:20,25,32,40

e.安装方式 Installation
M0：标准缸体
- M1：前输出法兰
- M2：卧式底座
- M3：前螺纹法兰
- M4：后法兰耳轴

f.输出连接方式 Output connection mode
- C1：外螺纹
- C2：内螺纹
- C3：关节轴承
- C4：U型插销
- C5：浮动接头

g.丝杆产地 Origin of silk
- P1：德国 Germany
- P2：台湾 Taiwan

h.电机型号及品牌 Motor model and brand
台达、松下、安川、三菱
西门子、伦茨、AB

订货型号表示
ORDERING REPRESENTATION

DH95	S200	T	R10	M1	C1	P2	机电型号
a	b	c	d	e	f	g	h

a.电缸型号 Electric cylinder
DH50、DH65、DH75、DH95、 DH110
DH145、DH165、DH210、DH250 DH300

b.行程 Trip
DH50:0-800mm、DH65:0-1200mm
DH75:0-1500mm、DH95:0-1800mm
DH110:0-1800mm、DH145:0-2200mm
DH165:0-3000mm、DH210:0-4000mm
DH250:0-5000mm、DH300:0-5000MM

c.活塞杆防转 Output mode
- T：防转 Anti rotation
- R：不防转 Non anti rotation

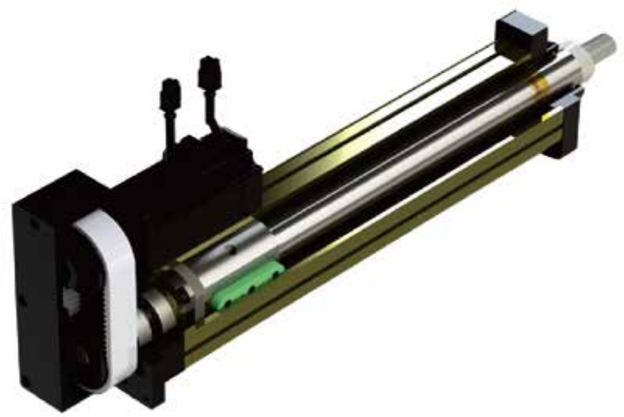
d.丝杆导程 Lead screw guide
DH50:5,10、DH65:5,10,16,20
DH75:5,8,10,20,25、DH95:5,8,10,20,32
DH110:5,8,10,20,40、DH145:5,10,12,20,50
DH165:10,20,32,40、DH250:20,25,32,40

e.安装方式 Installation
- M1：前输出法兰
- M2：卧式底座
- M3：前螺纹法兰
- M4：后法兰耳轴

f.输出连接方式 Output connection mode
- C1：外螺纹
- C2：内螺纹
- C3：关节轴承
- C4：U型插销
- C5：浮动接头

g.丝杆产地 Origin of silk
- P1：德国 Germany
- P2：台湾 Taiwan

h.电机型号及品牌 Motor model and brand
台达、松下、安川、三菱
西门子、伦茨、AB

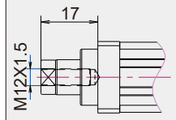


DI40/DH40 伺服电动缸选型参数表
DI40/DH40 servo electric cylinder parameter list selections

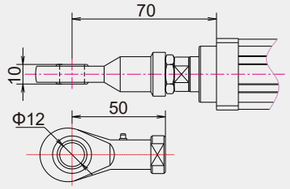
电机连接形式 Motor connection		同轴直线式 Coaxial linear							
减速比 Reduction ratio		1		3		5		7	
丝杆导程 Screw lead	mm	5							
伺服电机功率 Servo motor power	KW	0.75	1.00	0.20	0.40	0.10	0.20	0.10	0.20
伺服电机扭矩 Servo motor torque	N.M	2.40	3.18	0.64	1.30	0.32	0.64	0.32	0.64
伺服电机转速 Servo motor speed	r/min	3000							
电动缸推力 Thrust electric cylinder	KN	2.56	3.39	2.05	4.16	1.71	3.42	2.39	4.78
电动缸承受推力 Withstanding thrust electric cylinder	KN	3							
电缸额定速度 Electric cylinder rated speed	mm/s	250		80		50		35	

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type									
减速比 Reduction ratio		1		2		3		5		7	
丝杆导程 Screw lead	mm	5									
伺服电机功率 Servo motor power	KW	0.75	1.00	0.40	0.75	0.20	0.40	0.10	0.20	0.10	0.20
伺服电机扭矩 Servo motor torque	N.M	2.40	3.18	1.30	2.40	0.64	1.30	0.32	0.64	0.32	0.64
伺服电机转速 Servo motor speed	r/min	3000									
电动缸推力 Thrust electric cylinder	KN	2.56	3.39	2.78	5.12	2.05	4.16	1.71	3.42	2.39	4.78
电动缸承受推力 Withstanding thrust electric cylinder	KN	3									
电缸额定速度 Electric cylinder rated speed	mm/s	250		125		80		50		35	

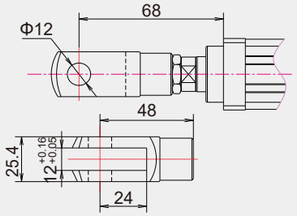
C2:内螺纹



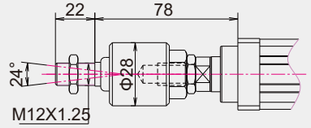
C3:关节轴承



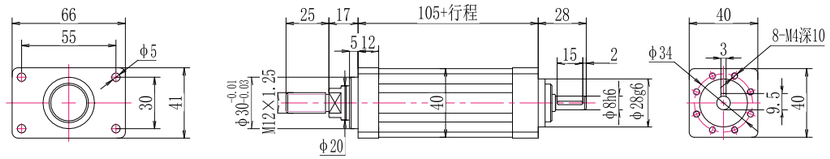
C4:U型插销



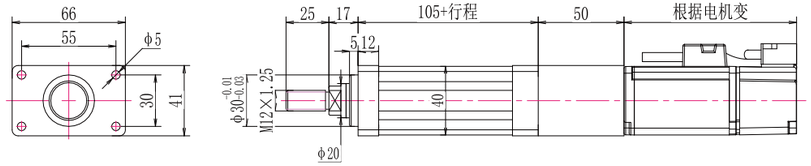
C5:浮动接头



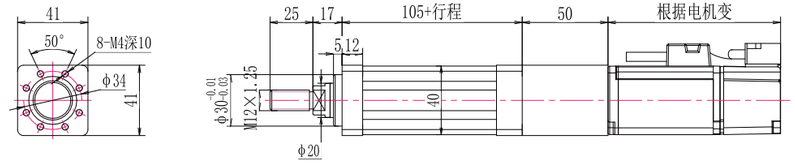
M0:标准缸体



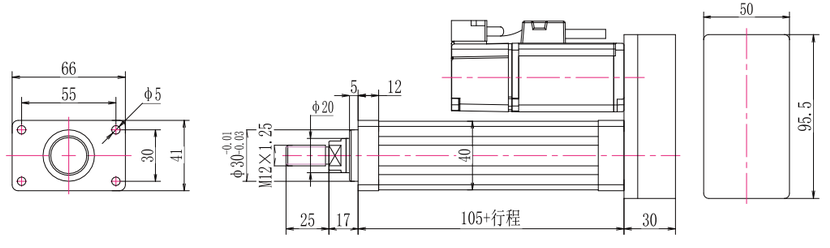
M1:前输出法兰



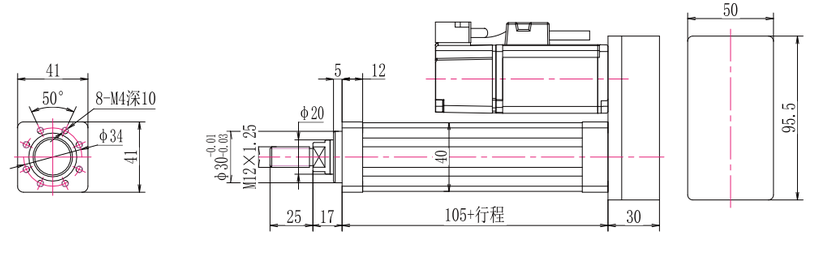
M3:小前输出法兰



M1:前输出法兰



M3:小前输出法兰



DI50/DH50 伺服电动缸选型参数表

DI50/DH50 servo electric cylinder parameter list selections

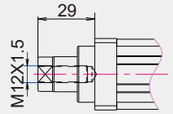
电机连接形式 Motor connection		同轴直线式 Coaxial linear							
减速比 Reduction ratio		1		3		5		7	
丝杆导程 Screw lead	mm	5							
伺服电机功率 Servo motor power	KW	0.75	1.00	0.20	0.40	0.10	0.20	0.10	0.20
伺服电机扭矩 Servo motor torque	N.M	2.40	3.18	0.64	1.30	0.32	0.64	0.32	0.64
伺服电机转速 Servo motor speed	r/min	3000							
电动缸推力 Thrust electric cylinder	KN	2.56	3.39	2.05	4.16	1.71	3.42	2.39	4.78
电动缸承受推力 Withstanding thrust electric cylinder	KN	3							
电缸额定速度 Electric cylinder rated speed	mm/s	250		80		50		35	

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type									
减速比 Reduction ratio		1		2		3		5		7	
丝杆导程 Screw lead	mm	5									
伺服电机功率 Servo motor power	KW	0.75	1.00	0.40	0.75	0.20	0.40	0.10	0.20	0.10	0.20
伺服电机扭矩 Servo motor torque	N.M	2.40	3.18	1.30	2.40	0.64	1.30	0.32	0.64	0.32	0.64
伺服电机转速 Servo motor speed	r/min	3000									
电动缸推力 Thrust electric cylinder	KN	2.56	3.39	2.78	5.12	2.05	4.16	1.71	3.42	2.39	4.78
电动缸承受推力 Withstanding thrust electric cylinder	KN	3									
电缸额定速度 Electric cylinder rated speed	mm/s	250		125		80		50		35	

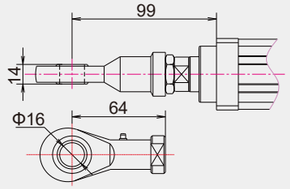
电机连接形式 Motor connection		同轴直线式 Coaxial Linear							
减速比 Reduction ratio		1		3		5		7	
丝杆导程 Screw lead	mm	10							
伺服电机功率 Servo motor power	KW	1.50	2.00	0.40	0.75	0.20	0.40	0.20	0.40
伺服电机扭矩 Servo motor torque	N.M	4.77	6.37	1.30	2.40	0.64	1.30	0.64	1.30
伺服电机转速 Servo motor speed	r/min	3000							
电动缸推力 Thrust electric cylinder	KN	2.55	3.40	2.08	3.84	1.71	3.47	2.39	4.86
电动缸承受推力 Withstanding thrust electric cylinder	KN	3							
电缸额定速度 Electric cylinder rated speed	mm/s	500		165		100		70	

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type									
减速比 Reduction ratio		1		2		3		5		7	
丝杆导程 Screw lead	mm	10									
伺服电机功率 Servo motor power	KW	1.50	2.00	0.75	1.00	0.40	0.75	0.20	0.40	0.20	0.40
伺服电机扭矩 Servo motor torque	N.M	4.77	6.37	2.40	3.18	1.30	2.40	0.64	1.30	0.64	1.30
伺服电机转速 Servo motor speed	r/min	3000									
电动缸推力 Thrust electric cylinder	KN	2.55	3.40	2.56	3.39	2.08	3.84	1.71	3.47	2.39	4.86
电动缸承受推力 Withstanding thrust electric cylinder	KN	3									
电缸额定速度 Electric cylinder rated speed	mm/s	500		250		165		100		70	

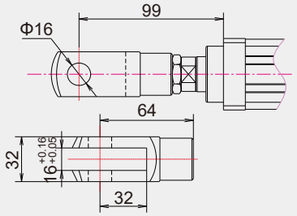
C2:内螺纹



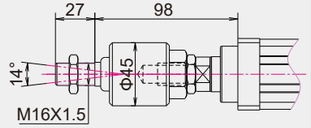
C3:关节轴承



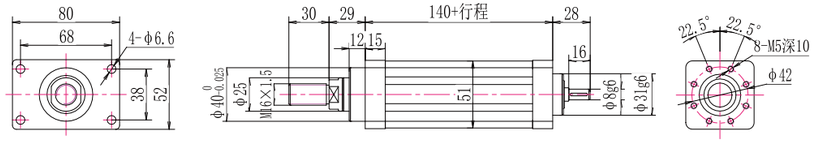
C4:U型插销



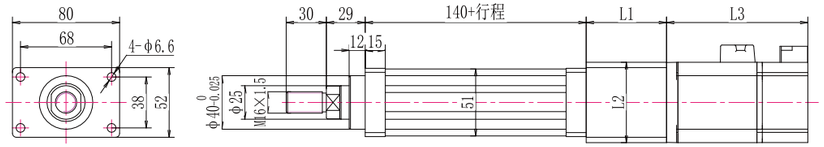
C5:浮动接头



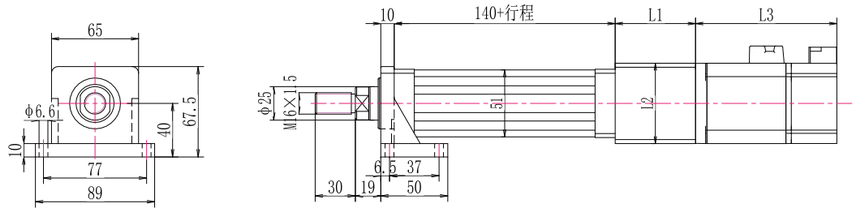
M0:标准缸体



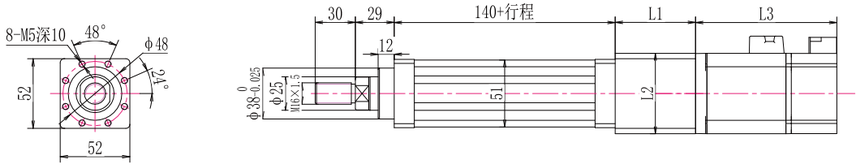
M1:前输出法兰



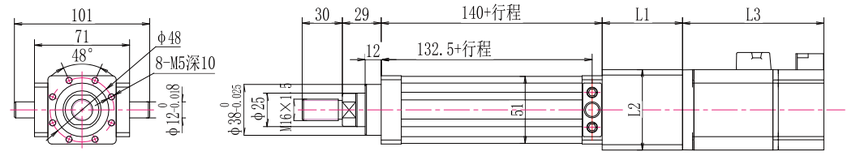
M2:卧式底座



M3:前螺纹法兰

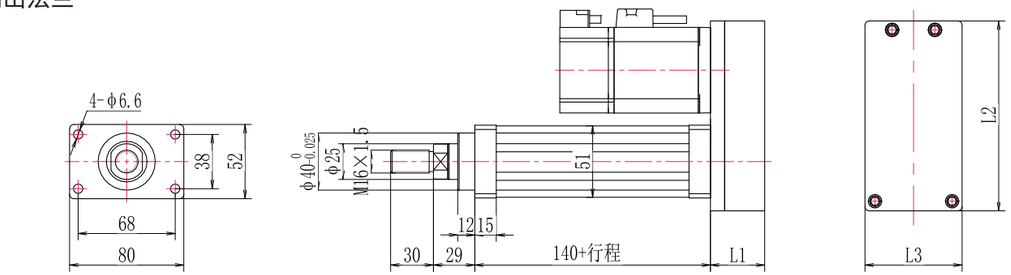


M4:后法兰耳轴

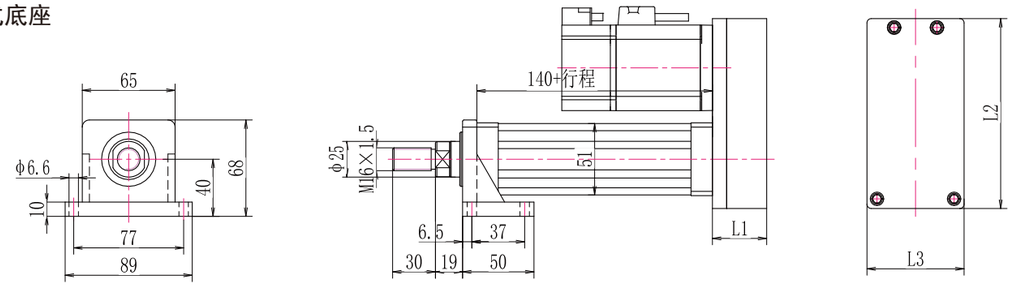


电机法兰	L1	L2	L3
40	60	51	100(请参考电机)
60	60	60	105(请参考电机)
80	70	80	138(请参考电机)

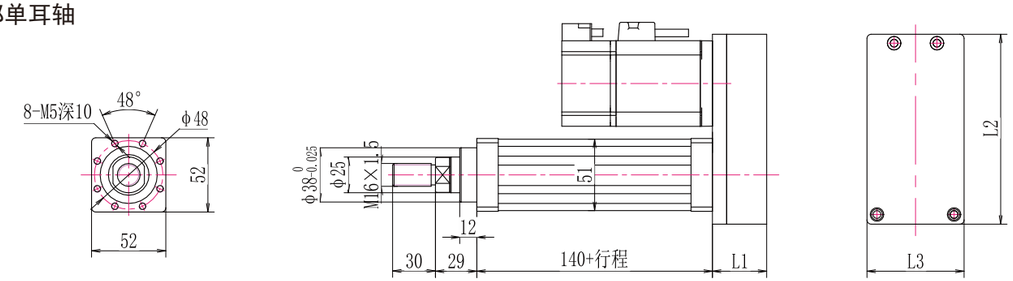
M1:前输出法兰



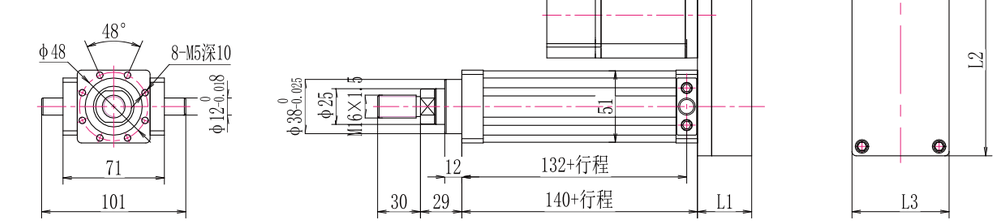
M2:卧式底座



M3:尾部单耳轴



M4:后法兰耳轴



电机法兰	L1	L2	L3
40	38	133	68
60	38	133	68
80	55	177	90

DI65/DH65 伺服电动缸选型参数表

DI65/DH65 servo electric cylinder parameter list selections

电机连接形式 Motor connection		同轴直线式 Coaxial Linear									
减速比 Reduction ratio		1		3		5		7		10	
丝杆导程 Screw lead	mm	5									
伺服电机功率 Servo motor power	KW	1.00	1.50	0.40	0.75	0.20	0.40	0.20	0.40	0.10	0.20
伺服电机扭矩 Servo motor torque	N.M	3.18	4.77	1.30	2.40	0.64	1.30	0.64	1.30	0.32	0.64
伺服电机转速 Servo motor speed	r/min	3000									
电动缸推力 Thrust electric cylinder	KN	3.39	5.09	4.16	7.69	3.42	6.94	4.78	9.72	3.42	6.83
电动缸承受推力 Withstanding thrust electric cylinder	KN	5									
电缸额定速度 Electric cylinder rated speed	mm/s	250		80		50		35		25	

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type											
减速比 Reduction ratio		1		2		3		5		7		10	
丝杆导程 Screw lead	mm	5											
伺服电机功率 Servo motor power	KW	1.00	1.50	0.40	0.75	0.40	0.75	0.20	0.40	0.20	0.40	0.10	0.20
伺服电机扭矩 Servo motor torque	N.M	3.18	4.77	1.30	2.40	1.30	2.40	0.64	1.30	0.64	1.30	0.32	0.64
伺服电机转速 Servo motor speed	r/min	3000											
电动缸推力 Thrust electric cylinder	KN	3.39	5.09	2.78	5.12	4.16	7.69	3.42	6.94	4.78	9.72	3.42	6.83
电动缸承受推力 Withstanding thrust electric cylinder	KN	5											
电缸额定速度 Electric cylinder rated speed	mm/s	250		125		80		50		35		25	

电机连接形式 Motor connection		同轴直线式 Coaxial Linear									
减速比 Reduction ratio		1		3		5		7		10	
丝杆导程 Screw lead	mm	10									
伺服电机功率 Servo motor power	KW	2.00	3.00	0.75	1.00	0.40	0.75	0.40	0.75	0.20	0.40
伺服电机扭矩 Servo motor torque	N.M	6.37	9.55	2.40	3.18	1.30	2.40	1.30	2.40	0.64	1.30
伺服电机转速 Servo motor speed	r/min	3000									
电动缸推力 Thrust electric cylinder	KN	3.40	5.10	3.84	5.09	3.47	6.41	4.86	8.97	3.42	6.94
电动缸承受推力 Withstanding thrust electric cylinder	KN	5									
电缸额定速度 Electric cylinder rated speed	mm/s	500		165		100		70		50	

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type											
减速比 Reduction ratio		1		2		3		5		7		10	
丝杆导程 Screw lead	mm	10											
伺服电机功率 Servo motor power	KW	2.00	3.00	1.00	1.50	0.75	1.00	0.40	0.75	0.40	0.75	0.20	0.40
伺服电机扭矩 Servo motor torque	N.M	6.37	9.55	3.18	4.77	2.40	3.18	1.30	2.40	1.30	2.40	0.64	1.30
伺服电机转速 Servo motor speed	r/min	3000											
电动缸推力 Thrust electric cylinder	KN	3.40	5.10	3.39	5.09	3.84	5.09	3.47	6.41	4.86	8.97	3.42	6.94
电动缸承受推力 Withstanding thrust electric cylinder	KN	5											
电缸额定速度 Electric cylinder rated speed	mm/s	500		250		165		100		70		50	

DI65/DH65 伺服电动缸选型参数表

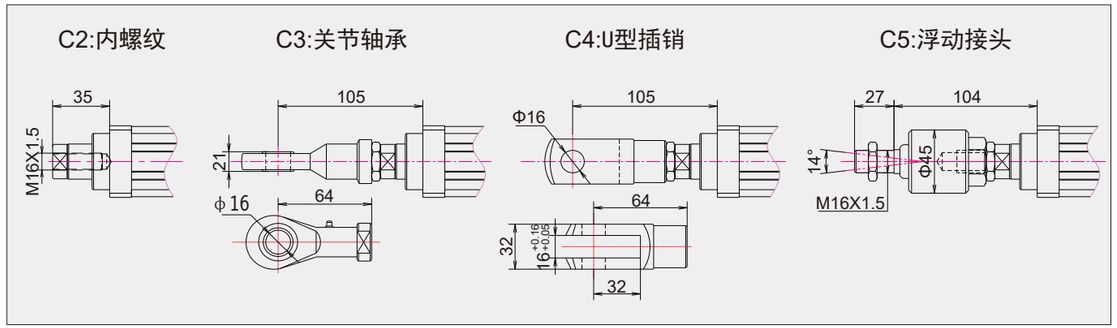
DI65/DH65 servo electric cylinder parameter list selections

电机连接形式 Motor connection		同轴直线式 Coaxial Linear									
减速比 Reduction ratio		1		3		5		7		10	
丝杆导程 Screw lead	mm	16									
伺服电机功率 Servo motor power	KW	4.00	5.00	1.50	2.00	0.75	1.00	0.40	0.75	0.40	0.75
伺服电机扭矩 Servo motor torque	N.M	12.7	15.9	4.77	6.37	2.40	3.18	1.30	2.40	1.30	2.40
伺服电机转速 Servo motor speed	r/min	3000									
电动缸推力 Thrust electric cylinder	KN	4.24	5.30	4.77	6.38	4.00	5.30	3.04	5.60	4.34	8.01
电动缸承受推力 Withstanding thrust electric cylinder	KN	5									
电缸额定速度 Electric cylinder rated speed	mm/s	800		265		160		115		80	

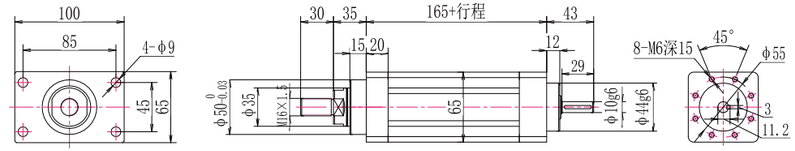
电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type											
减速比 Reduction ratio		1		2		3		5		7		10	
丝杆导程 Screw lead	mm	16											
伺服电机功率 Servo motor power	KW	4.00	5.00	2.00	3.00	1.50	2.00	0.75	1.00	0.40	0.75	0.40	0.75
伺服电机扭矩 Servo motor torque	N.M	12.7	15.9	6.37	9.55	4.77	6.37	2.40	3.18	1.30	2.40	1.30	2.40
伺服电机转速 Servo motor speed	r/min	3000											
电动缸推力 Thrust electric cylinder	KN	4.24	5.30	4.25	6.37	4.77	6.38	4.00	5.30	3.04	5.60	4.34	8.01
电动缸承受推力 Withstanding thrust electric cylinder	KN	5											
电缸额定速度 Electric cylinder rated speed	mm/s	800		400		265		160		110		80	

电机连接形式 Motor connection		同轴直线式 Coaxial Linear									
减速比 Reduction ratio		1		3		5		7		10	
丝杆导程 Screw lead	mm	20									
伺服电机功率 Servo motor power	KW	4.00	5.00	1.50	2.00	1.00	1.50	0.75	1.00	0.40	0.75
伺服电机扭矩 Servo motor torque	N.M	12.7	15.9	4.77	6.37	3.18	4.77	2.40	3.18	1.30	2.40
伺服电机转速 Servo motor speed	r/min	3000									
电动缸推力 Thrust electric cylinder	KN	3.39	4.24	3.82	5.10	4.24	6.37	4.48	5.94	3.47	6.41
电动缸承受推力 Withstanding thrust electric cylinder	KN	5									
电缸额定速度 Electric cylinder rated speed	mm/s	1000		330		200		140		100	

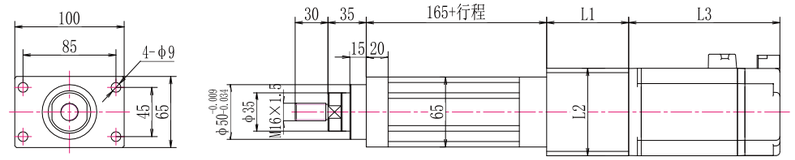
电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type											
减速比 Reduction ratio		1		2		3		5		7		10	
丝杆导程 Screw lead	mm	20											
伺服电机功率 Servo motor power	KW	4.00	5.00	2.00	3.00	1.50	2.00	1.00	1.50	0.75	1.00	0.40	0.75
伺服电机扭矩 Servo motor torque	N.M	12.7	15.9	6.37	9.55	4.77	6.37	3.18	4.77	2.40	3.18	1.30	2.40
伺服电机转速 Servo motor speed	r/min	3000											
电动缸推力 Thrust electric cylinder	KN	3.39	4.24	3.40	5.10	3.82	5.10	4.24	6.37	4.48	5.94	3.47	6.41
电动缸承受推力 Withstanding thrust electric cylinder	KN	5											
电缸额定速度 Electric cylinder rated speed	mm/s	1000		500		330		200		140		100	



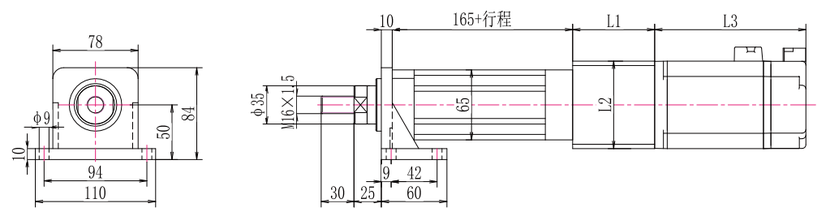
M0:标准缸体



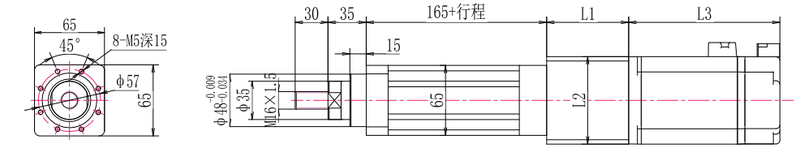
M1:前输出法兰



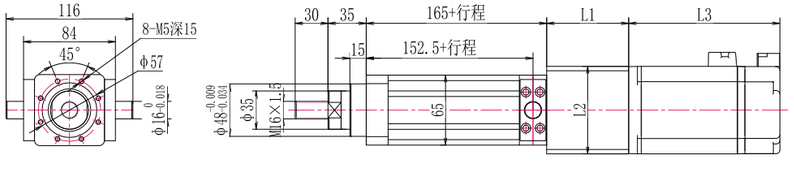
M2:卧式底座



M3:前螺纹法兰

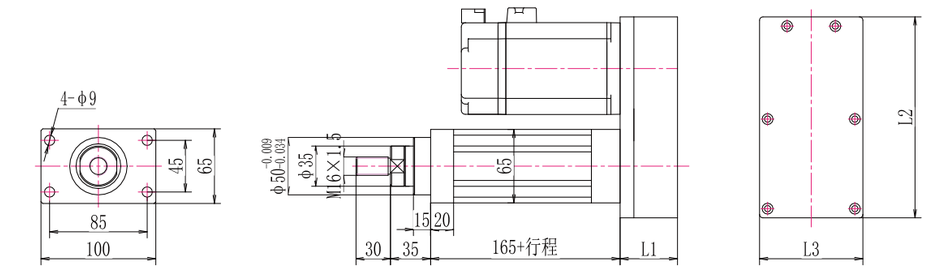


M4:后法兰耳轴

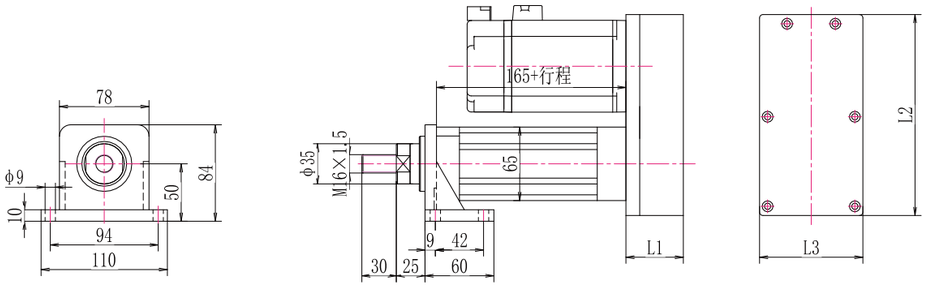


电机法兰	L1	L2	L3
60	70	64	105(请参考电机)
80	75	80	138(请参考电机)
110	98	110	199(请参考电机)

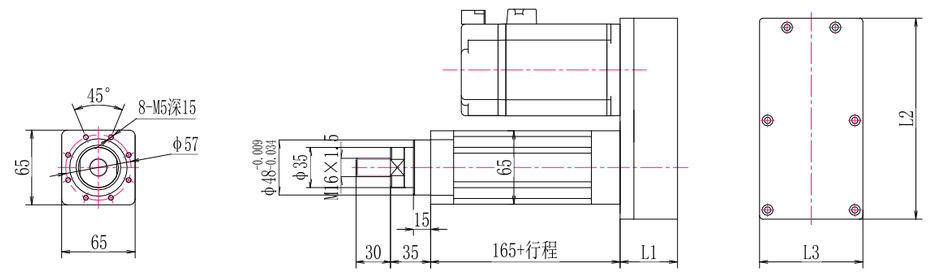
M1:前输出法兰



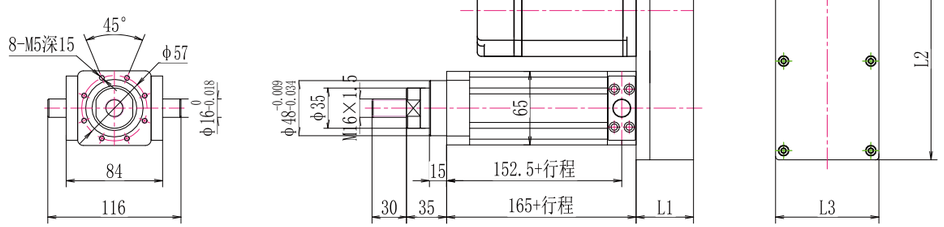
M2:卧式底座



M3:尾部单耳轴



M4:后法兰耳轴



电机法兰	L1	L2	L3
60	55	133	68
80	55	177	90
110	65	205	110

DI75/DH75 伺服电动缸选型参数表

DI75/DH75 servo electric cylinder parameter list selections

电机连接形式 Motor connection		同轴直线式 Coaxial Linear									
减速比 Reduction ratio		1		3		5		7		10	
丝杆导程 Screw lead	mm	5									
伺服电机功率 Servo motor power	KW	2.00	3.00	0.75	1.00	0.40	0.75	0.20	0.40	0.20	0.40
伺服电机扭矩 Servo motor torque	N.M	6.37	9.55	2.40	3.18	1.30	2.40	0.64	1.30	0.64	1.30
伺服电机转速 Servo motor speed	r/min	3000									
电动缸推力 Thrust electric cylinder	KN	6.80	10.2	7.69	10.2	6.94	12.8	4.78	9.72	6.83	13.9
电动缸承受推力 Withstanding thrust electric cylinder	KN	8									
电缸额定速度 Electric cylinder rated speed	mm/s	250		80		50		35		25	

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type											
减速比 Reduction ratio		1		2		3		5		7		10	
丝杆导程 Screw lead	mm	5											
伺服电机功率 Servo motor power	KW	2.00	3.00	1.00	1.50	0.75	1.00	0.40	0.75	0.20	0.40	0.20	0.40
伺服电机扭矩 Servo motor torque	N.M	6.37	9.55	3.18	4.77	2.40	3.18	1.30	2.40	0.64	1.30	0.64	1.30
伺服电机转速 Servo motor speed	r/min	3000											
电动缸推力 Thrust electric cylinder	KN	6.80	10.2	6.79	10.2	7.69	10.2	6.94	12.8	4.78	9.72	6.83	13.9
电动缸承受推力 Withstanding thrust electric cylinder	KN	8											
电缸额定速度 Electric cylinder rated speed	mm/s	250		125		80		50		35		25	

电机连接形式 Motor connection		同轴直线式 Coaxial Linear									
减速比 Reduction ratio		1		3		5		7		10	
丝杆导程 Screw lead	mm	8									
伺服电机功率 Servo motor power	KW	3.00	4.00	1.00	1.50	0.40	0.75	0.40	0.75	0.20	0.40
伺服电机扭矩 Servo motor torque	N.M	9.55	12.7	3.18	4.77	1.30	2.40	1.30	2.40	0.64	1.30
伺服电机转速 Servo motor speed	r/min	3000									
电动缸推力 Thrust electric cylinder	KN	6.37	8.47	6.37	9.55	4.34	8.01	6.07	11.2	4.27	8.67
电动缸承受推力 Withstanding thrust electric cylinder	KN	8									
电缸额定速度 Electric cylinder rated speed	mm/s	400		130		80		55		40	

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type											
减速比 Reduction ratio		1		2		3		5		7		10	
丝杆导程 Screw lead	mm	8											
伺服电机功率 Servo motor power	KW	3.00	4.00	1.50	2.00	1.00	1.50	0.40	0.75	0.40	0.75	0.20	0.40
伺服电机扭矩 Servo motor torque	N.M	9.55	12.7	4.77	6.37	3.18	4.77	1.30	2.40	1.30	2.40	0.64	1.30
伺服电机转速 Servo motor speed	r/min	3000											
电动缸推力 Thrust electric cylinder	KN	6.37	8.47	6.37	8.50	6.37	9.55	4.34	8.01	6.07	11.2	4.27	8.67
电动缸承受推力 Withstanding thrust electric cylinder	KN	8											
电缸额定速度 Electric cylinder rated speed	mm/s	400		200		130		80		55		40	

DI75/DH75 伺服电动缸选型参数表

DI75/DH75 servo electric cylinder parameter list selections

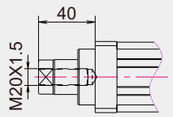
电机连接形式 Motor connection		同轴直线式 Coaxial Linear									
减速比 Reduction ratio		1		3		5		7		10	
丝杆导程 Screw lead	mm	10									
伺服电机功率 Servo motor power	KW	4.00	5.00	1.50	2.00	0.75	1.00	0.40	0.75	0.40	0.75
伺服电机扭矩 Servo motor torque	N.M	12.7	15.9	4.77	6.37	2.40	3.18	1.30	2.40	1.30	2.40
伺服电机转速 Servo motor speed	r/min	3000									
电动缸推力 Thrust electric cylinder	KN	6.78	8.49	7.64	10.2	6.41	8.49	4.86	8.97	6.94	12.8
电动缸承受推力 Withstanding thrust electric cylinder	KN	8									
电缸额定速度 Electric cylinder rated speed	mm/s	500		165		100		70		50	

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type											
减速比 Reduction ratio		1		2		3		5		7		10	
丝杆导程 Screw lead	mm	10											
伺服电机功率 Servo motor power	KW	4.00	5.00	2.00	3.00	1.50	2.00	0.75	1.00	0.40	0.75	0.40	0.75
伺服电机扭矩 Servo motor torque	N.M	12.7	15.9	6.37	9.55	4.77	6.37	2.40	3.18	1.30	2.40	1.30	2.40
伺服电机转速 Servo motor speed	r/min	3000											
电动缸推力 Thrust electric cylinder	KN	6.78	8.49	6.80	10.2	7.64	10.2	6.41	8.49	4.86	8.97	6.94	12.8
电动缸承受推力 Withstanding thrust electric cylinder	KN	8											
电缸额定速度 Electric cylinder rated speed	mm/s	500		250		165		100		70		50	

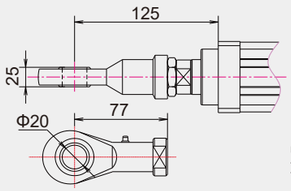
电机连接形式 Motor connection		同轴直线式 Coaxial Linear									
减速比 Reduction ratio		1		3		5		7		10	
丝杆导程 Screw lead	mm	25									
伺服电机功率 Servo motor power	KW	4.00	5.00	3.00	4.00	2.00	3.00	1.50	2.00	1.00	1.50
伺服电机扭矩 Servo motor torque	N.M	12.7	15.9	9.55	12.7	6.37	9.55	4.77	6.37	3.18	4.77
伺服电机转速 Servo motor speed	r/min	3000									
电动缸推力 Thrust electric cylinder	KN	2.71	3.39	6.12	8.14	6.80	10.2	7.13	9.52	6.79	10.2
电动缸承受推力 Withstanding thrust electric cylinder	KN	8									
电缸额定速度 Electric cylinder rated speed	mm/s	1250		415		250		175		125	

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type											
减速比 Reduction ratio		1		2		3		5		7		10	
丝杆导程 Screw lead	mm	25											
伺服电机功率 Servo motor power	KW	4.00	5.00	4.40	5.00	3.00	4.00	2.00	3.00	1.50	2.00	1.00	1.50
伺服电机扭矩 Servo motor torque	N.M	12.7	15.9	12.7	15.9	9.55	12.7	6.37	9.55	4.77	6.37	3.18	4.77
伺服电机转速 Servo motor speed	r/min	3000											
电动缸推力 Thrust electric cylinder	KN	2.71	3.39	5.42	6.79	6.12	8.14	6.80	10.2	7.13	9.52	6.79	10.2
电动缸承受推力 Withstanding thrust electric cylinder	KN	8											
电缸额定速度 Electric cylinder rated speed	mm/s	1250		625		415		250		175		125	

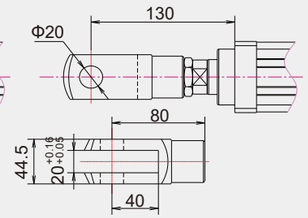
C2:内螺纹



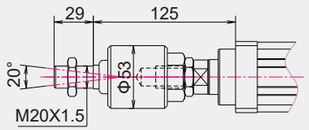
C3:关节轴承



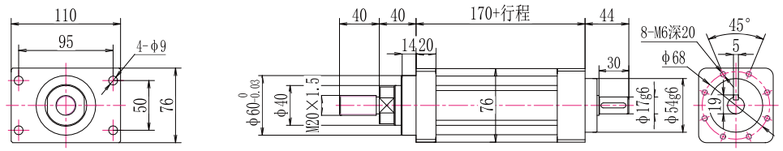
C4:U型插销



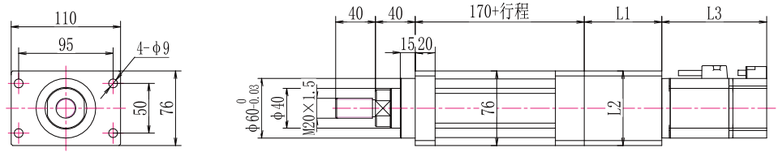
C5:浮动接头



M0:标准缸体

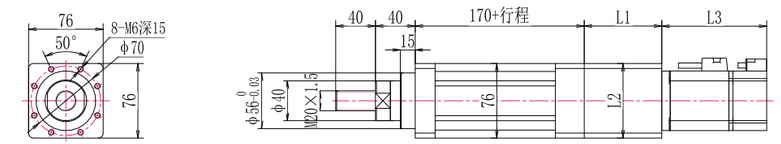


M1:前输出法兰

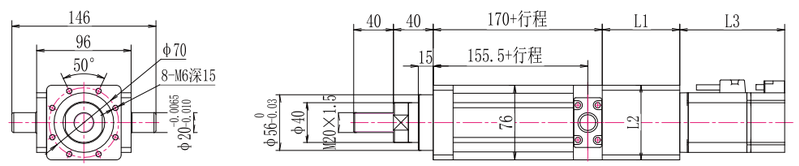


M2:卧式底座

M3:前螺纹法兰

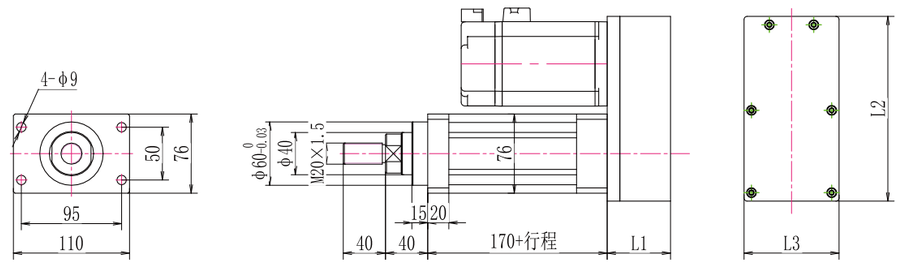


M4:后法兰耳轴

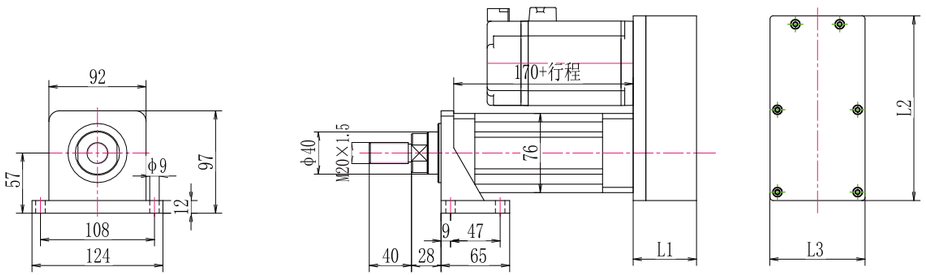


电机法兰	L1	L2	L3
80	82	80	139(请参考电机)
110	105	110	199(请参考电机)
130	110	130	192(请参考电机)

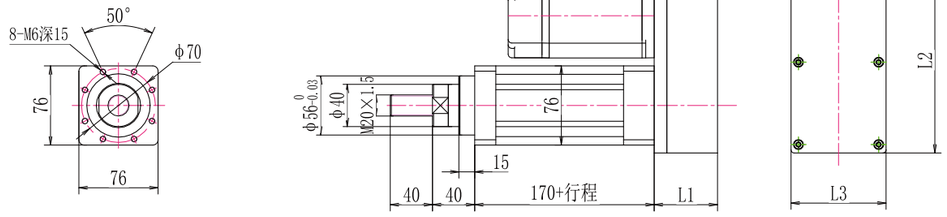
M1:前输出法兰



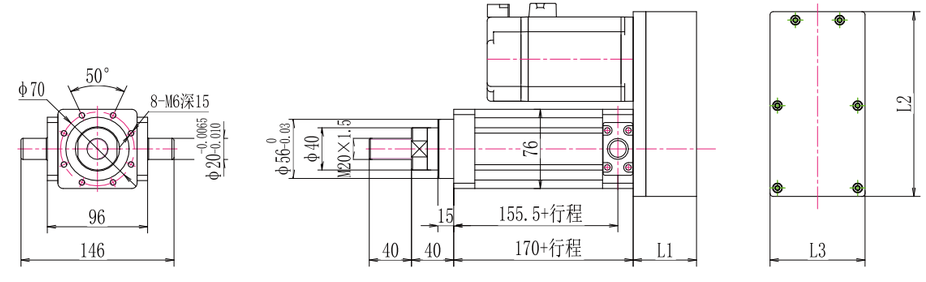
M2:卧式底座



M3:尾部单耳轴



M4:后法兰耳轴



电机法兰	L1	L2	L3
80	55	177	90
110	65	205	110
130	72	278	135

DI95/DH95 伺服电动缸选型参数表
DI95/DH95 servo electric cylinder parameter list selections

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	5														
伺服电机功率 Servo motor power	KW	3.00	4.00	5.00	0.75	1.00	1.50	0.40	0.75	1.00	0.20	0.40	0.75	0.20	0.40	0.75
伺服电机扭矩 Servo motor torque	N.M	9.55	12.7	15.9	2.40	3.18	4.77	1.30	2.40	3.18	0.64	1.30	2.40	0.64	1.30	2.40
伺服电机转速 Servo motor speed	r/min	3000														
电动缸推力 Thrust electric cylinder	KN	10.2	13.6	17.0	7.69	10.2	15.3	6.94	12.8	17.0	4.78	9.72	18.0	6.83	13.9	25.6
电动缸承受推力 Withstanding thrust electric cylinder	KN	15														
电缸额定速度 Electric cylinder rated speed	mm/s	250			80			50			35			25		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	5														
伺服电机功率 Servo motor power	KW	3.00	4.00	5.00	1.50	2.00	3.00	0.40	0.75	1.00	0.20	0.40	0.75	0.20	0.40	0.75
伺服电机扭矩 Servo motor torque	N.M	9.55	12.7	15.9	4.77	6.37	9.55	1.30	2.40	3.18	0.64	1.30	2.40	0.64	1.30	2.40
伺服电机转速 Servo motor speed	r/min	3000														
电动缸推力 Thrust electric cylinder	KN	10.2	13.6	17.0	10.2	13.6	20.4	6.94	12.8	17.0	4.78	9.72	18.0	6.83	13.9	25.6
电动缸承受推力 Withstanding thrust electric cylinder	KN	15														
电缸额定速度 Electric cylinder rated speed	mm/s	250			125			50			35			25		

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	6														
伺服电机功率 Servo motor power	KW	3.00	4.00	5.00	1.00	1.50	2.00	0.75	1.00	1.50	0.40	0.75	1.00	0.20	0.40	0.75
伺服电机扭矩 Servo motor torque	N.M	9.55	12.7	15.9	3.18	4.77	6.37	2.40	3.18	4.77	1.30	2.40	3.18	0.64	1.30	2.40
伺服电机转速 Servo motor speed	r/min	3000														
电动缸推力 Thrust electric cylinder	KN	8.50	11.3	14.2	8.49	12.7	17.0	10.7	14.2	21.2	8.10	15.0	19.8	5.69	11.6	21.4
电动缸承受推力 Withstanding thrust electric cylinder	KN	15														
电缸额定速度 Electric cylinder rated speed	mm/s	300			100			60			40			30		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	6														
伺服电机功率 Servo motor power	KW	3.00	4.00	5.00	1.50	2.00	3.00	0.75	1.00	1.50	0.40	0.75	1.00	0.20	0.40	0.75
伺服电机扭矩 Servo motor torque	N.M	9.55	12.7	15.9	4.77	6.37	9.55	2.40	3.18	4.77	1.30	2.40	3.18	0.64	1.30	2.40
伺服电机转速 Servo motor speed	r/min	3000														
电动缸推力 Thrust electric cylinder	KN	8.50	11.3	14.2	8.49	11.3	17.0	10.7	14.2	21.2	8.10	15.0	19.8	5.69	11.6	21.4
电动缸承受推力 Withstanding thrust electric cylinder	KN	15														
电缸额定速度 Electric cylinder rated speed	mm/s	300			150			60			40			30		

DI95/DH95 伺服电动缸选型参数表
DI95/DH95 servo electric cylinder parameter list selections

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	8														
伺服电机功率 Servo motor power	KW	3.00	4.00	5.00	1.50	2.00	3.00	0.75	1.00	1.50	0.75	1.00	1.50	0.20	0.40	0.75
伺服电机扭矩 Servo motor torque	N.M	9.55	12.7	15.9	4.77	6.37	9.55	2.40	3.18	4.77	2.40	3.18	4.77	0.64	1.30	2.40
伺服电机转速 Servo motor speed	r/min	3000														
电动缸推力 Thrust electric cylinder	KN	6.37	8.47	10.6	9.55	12.8	19.1	8.01	10.6	15.9	11.2	14.9	22.3	4.27	8.67	16.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	15														
电缸额定速度 Electric cylinder rated speed	mm/s	400			130			80			55			40		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	8														
伺服电机功率 Servo motor power	KW	3.00	4.00	5.00	2.00	3.00	4.00	0.75	1.00	1.50	0.75	1.00	1.50	0.20	0.40	0.75
伺服电机扭矩 Servo motor torque	N.M	9.55	12.7	15.9	6.37	9.55	12.7	2.40	3.18	4.77	2.40	3.18	4.77	0.64	1.30	2.40
伺服电机转速 Servo motor speed	r/min	3000														
电动缸推力 Thrust electric cylinder	KN	6.37	8.47	10.6	8.50	12.7	17.0	8.01	10.6	15.9	11.2	14.9	22.3	6.27	8.67	16.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	15														
电缸额定速度 Electric cylinder rated speed	mm/s	400			200			80			55			40		

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	10														
伺服电机功率 Servo motor power	KW	3.00	4.00	5.00	1.50	2.00	3.00	1.00	1.50	2.00	0.75	1.00	1.50	0.40	0.75	1.00
伺服电机扭矩 Servo motor torque	N.M	9.55	12.7	15.9	4.77	6.37	9.55	3.18	4.77	6.37	2.40	3.18	4.77	1.30	2.40	3.18
伺服电机转速 Servo motor speed	r/min	3000														
电动缸推力 Thrust electric cylinder	KN	5.10	6.78	8.49	7.64	10.2	15.3	8.49	12.7	17.0	9.00	11.9	17.8	6.94	12.8	17.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	15														
电缸额定速度 Electric cylinder rated speed	mm/s	500			165			100			70			50		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	10														
伺服电机功率 Servo motor power	KW	3.00	4.00	5.00	3.00	4.00	5..00	1.00	1.50	2.00	0.75	1.00	1.50	0.40	0.75	1.00
伺服电机扭矩 Servo motor torque	N.M	9.55	12.7	15.9	9.55	12.7	15.9	3.18	4.77	6.37	2.40	3.18	4.77	1.30	2.40	3.18
伺服电机转速 Servo motor speed	r/min	3000														
电动缸推力 Thrust electric cylinder	KN	5.10	6.78	8.49	10.2	13.6	17.0	8.49	12.7	17.0	9.00	11.9	17.8	6.94	12.8	17.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	15														
电缸额定速度 Electric cylinder rated speed	mm/s	500			250			100			70			50		

DI95/DH95 伺服电动缸选型参数表
DI95/DH95 servo electric cylinder parameter list selections

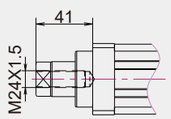
电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	20														
伺服电机功率 Servo motor power	KW	3.00	4.00	5.00	3.00	4.00	5.00	2.00	3.00	4.00	1.50	2.00	3.00	1.00	1.50	2.00
伺服电机扭矩 Servo motor torque	N.M	9.55	12.7	15.9	9.55	12.7	15.9	6.37	9.55	12.7	4.77	6.37	9.55	3.18	4.77	6.37
伺服电机转速 Servo motor speed	r/min	3000														
电动缸推力 Thrust electric cylinder	KN	2.55	3.39	4.24	7.65	10.2	12.7	8.50	12.7	17.0	8.91	11.9	17.8	8.49	12.7	17.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	15														
电缸额定速度 Electric cylinder rated speed	mm/s	1000			330			200			140			100		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	20														
伺服电机功率 Servo motor power	KW	3.00	4.00	5.00	3.00	4.00	5.00	2.00	3.00	4.00	1.50	2.00	3.00	1.00	1.50	2.00
伺服电机扭矩 Servo motor torque	N.M	9.55	12.7	15.9	9.55	12.7	15.9	6.37	9.55	12.7	4.77	6.37	9.55	3.18	4.77	6.37
伺服电机转速 Servo motor speed	r/min	3000														
电动缸推力 Thrust electric cylinder	KN	2.55	3.39	4.24	5.10	6.78	8.49	8.50	12.7	17.0	8.91	11.9	17.8	8.49	12.7	17.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	15														
电缸额定速度 Electric cylinder rated speed	mm/s	1000			500			200			140			100		

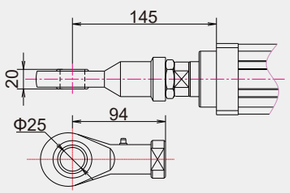
电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	32														
伺服电机功率 Servo motor power	KW	3.00	4.00	5.00	3.00	4.00	5.00	3.00	4.00	5.00	3.00	4.00	5.00	1.50	2.00	3.00
伺服电机扭矩 Servo motor torque	N.M	9.55	12.7	15.9	9.55	12.7	15.9	9.55	12.7	15.9	9.55	12.7	15.9	4.77	6.37	9.55
伺服电机转速 Servo motor speed	r/min	3000														
电动缸推力 Thrust electric cylinder	KN	1.59	2.12	2.65	4.78	6.36	7.96	7.97	10.6	13.2	11.2	14.8	18.6	7.96	10.6	15.9
电动缸承受推力 Withstanding thrust electric cylinder	KN	15														
电缸额定速度 Electric cylinder rated speed	mm/s	1600			530			320			225			160		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	32														
伺服电机功率 Servo motor power	KW	3.00	4.00	5.00	3.00	4.00	5.00	3.00	4.00	5.00	3.00	4.00	5.00	1.50	2.00	3.00
伺服电机扭矩 Servo motor torque	N.M	9.55	12.7	15.9	9.55	12.7	15.9	9.55	12.7	15.9	9.55	12.7	15.9	4.77	6.37	9.55
伺服电机转速 Servo motor speed	r/min	3000														
电动缸推力 Thrust electric cylinder	KN	1.59	2.12	2.65	3.19	4.24	5.30	7.97	10.6	13.2	11.2	14.8	18.6	7.96	10.6	15.9
电动缸承受推力 Withstanding thrust electric cylinder	KN	15														
电缸额定速度 Electric cylinder rated speed	mm/s	1600			800			320			225			160		

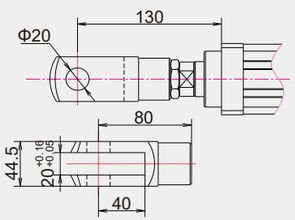
C2:内螺纹



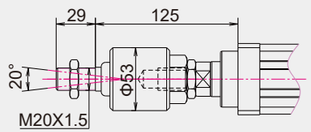
C3:关节轴承



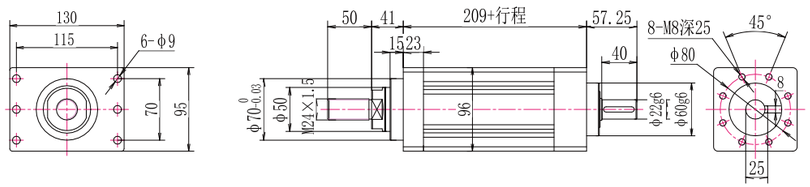
C4:U型插销



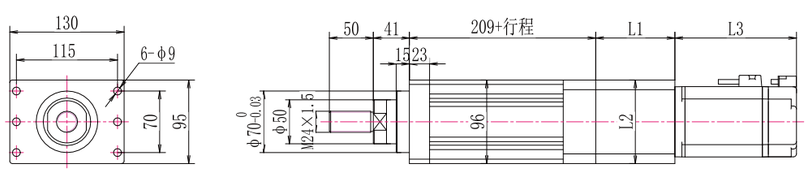
C5:浮动接头



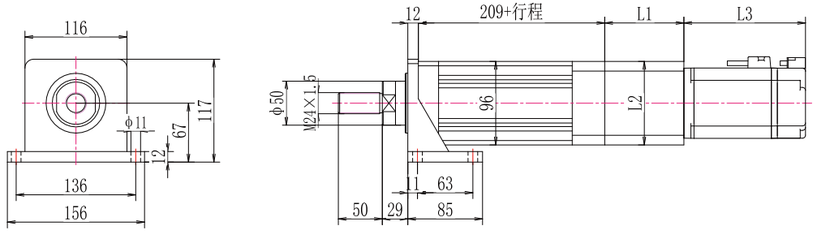
M0 : 标准缸体



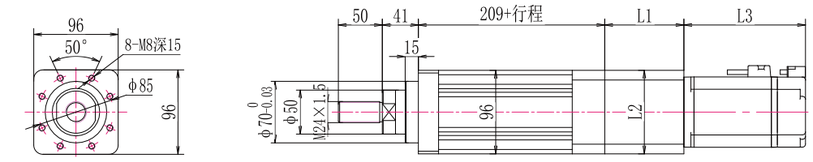
M1:前输出法兰



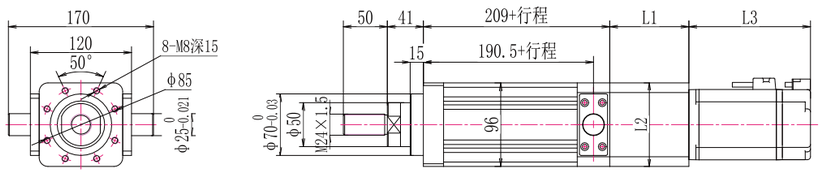
M2:卧式底座



M3:前螺纹法兰

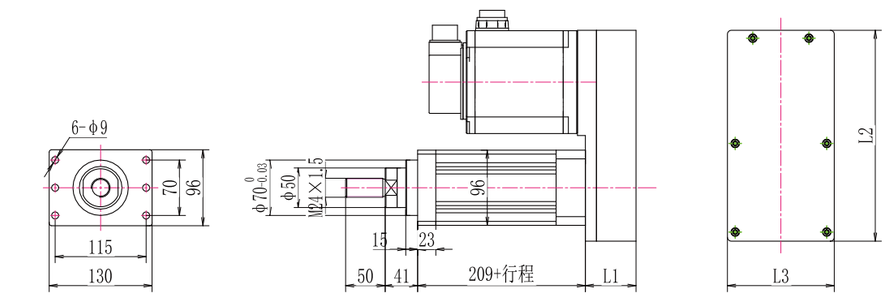


M4:后法兰耳轴

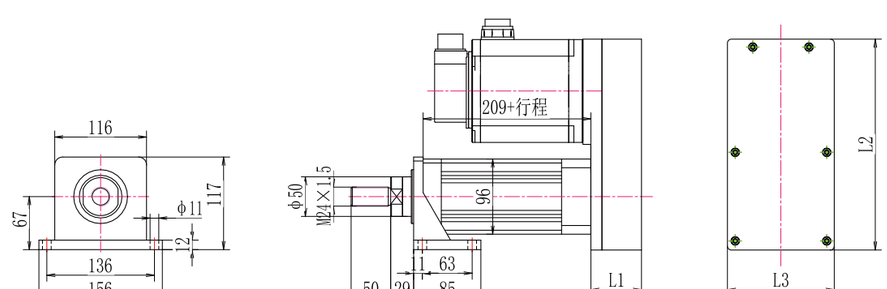


电机法兰	L1	L2	L3
110	85	110	199(请参考电机)
130	105	130	190(请参考电机)
150	115	150	220(请参考电机)

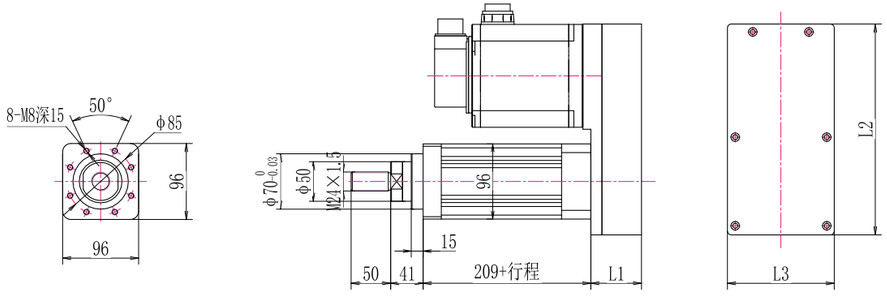
M1:前输出法兰



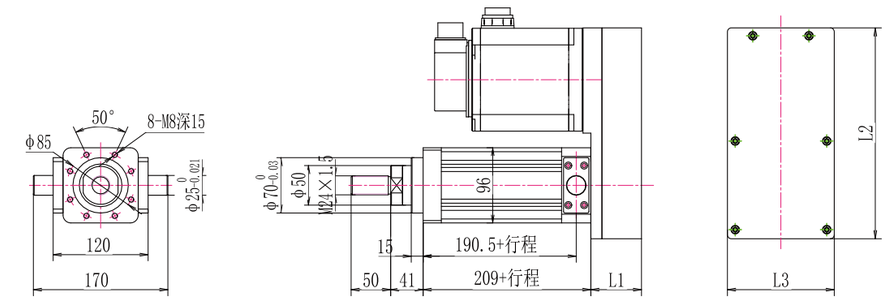
M2:卧式底座



M3:尾部单耳轴



M4:后法兰耳轴



电机法兰	L1	L2	L3
110	75	205	110
130	75	278	135
150	75	290	154

DI110/DH110 伺服电动缸选型参数表
DI110/DH110 servo electric cylinder parameter list selections

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	5														
伺服电机功率 Servo motor power	KW	1.00	2.00	3.00	1.50	2.00	3.00	1.00	1.50	2.00	0.75	1.00	1.50	0.40	0.75	1.00
伺服电机扭矩 Servo motor torque	N.M	6.37	12.7	19.1	4.77	6.37	9.55	3.18	4.77	6.37	2.40	3.18	4.77	1.30	2.40	3.18
伺服电机转速 Servo motor speed	r/min	1500			3000											
电动缸推力 Thrust electric cylinder	KN	6.80	13.5	20.0	15.3	20.4	30.6	17.0	25.5	34.0	18.0	23.8	35.7	13.9	25.6	34.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	30														
电缸额定速度 Electric cylinder rated speed	mm/s	125			80			50			35			25		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	5														
伺服电机功率 Servo motor power	KW	1.00	2.00	3.00	3.00	4.00	5.00	1.00	1.50	2.00	0.75	1.00	1.50	0.40	0.75	1.00
伺服电机扭矩 Servo motor torque	N.M	6.37	12.7	19.1	9.55	12.7	15.9	3.18	4.77	6.37	2.40	3.18	4.77	1.30	2.40	3.18
伺服电机转速 Servo motor speed	r/min	1500			3000											
电动缸推力 Thrust electric cylinder	KN	6.80	13.5	20.0	20.4	27.1	34.0	17.0	25.5	34.0	18.0	23.8	35.7	13.9	25.6	34.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	30														
电缸额定速度 Electric cylinder rated speed	mm/s	125			125			50			35			25		

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	6														
伺服电机功率 Servo motor power	KW	2.00	3.00	4.50	2.00	3.00	4.00	1.50	2.00	3.00	1.00	1.50	2.00	0.75	1.00	1.50
伺服电机扭矩 Servo motor torque	N.M	12.8	19.2	28.8	6.37	9.55	12.7	4.77	6.37	9.55	3.18	4.77	6.37	2.40	3.18	4.77
伺服电机转速 Servo motor speed	r/min	1500			3000											
电动缸推力 Thrust electric cylinder	KN	11.4	17.1	25.6	17.0	25.5	33.9	21.2	28.3	42.5	19.8	29.7	39.7	21.4	28.3	42.4
电动缸承受推力 Withstanding thrust electric cylinder	KN	30														
电缸额定速度 Electric cylinder rated speed	mm/s	150			100			60			40			30		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	6														
伺服电机功率 Servo motor power	KW	2.00	3.00	4.50	2.00	3.00	4.00	1.50	2.00	3.00	1.00	1.50	2.00	0.75	1.00	1.50
伺服电机扭矩 Servo motor torque	N.M	12.8	19.2	28.8	9.55	14.3	19.1	4.77	6.37	9.55	3.18	4.77	6.37	2.40	3.18	4.77
伺服电机转速 Servo motor speed	r/min	1500			2000			3000								
电动缸推力 Thrust electric cylinder	KN	11.4	17.1	25.6	17.0	25.4	34.0	21.2	28.3	42.5	19.8	29.7	39.7	21.4	28.3	42.4
电动缸承受推力 Withstanding thrust electric cylinder	KN	30														
电缸额定速度 Electric cylinder rated speed	mm/s	150			100			60			40			30		

DI110/DH110 伺服电动缸选型参数表
DI110/DH110 servo electric cylinder parameter list selections

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	8														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	3.00	4.00	5.00	1.50	2.00	3.00	1.50	2.00	3.00	0.75	1.00	1.50
伺服电机扭矩 Servo motor torque	N.M	19.1	28.7	38.2	9.55	12.7	15.9	4.77	6.37	9.55	4.77	6.37	9.55	2.40	3.18	4.77
伺服电机转速 Servo motor speed	r/min	1500			3000											
电动缸推力 Thrust electric cylinder	KN	12.8	19.2	25.5	19.1	25.4	31.8	15.9	21.3	31.9	22.3	29.8	44.6	16.0	21.2	31.8
电动缸承受推力 Withstanding thrust electric cylinder	KN	30														
电缸额定速度 Electric cylinder rated speed	mm/s	200			130			80			55			40		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	8														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	3.00	4.00	5.00	1.50	2.00	3.00	1.50	2.00	3.00	0.75	1.00	1.50
伺服电机扭矩 Servo motor torque	N.M	19.1	28.7	38.2	14.3	19.1	23.9	4.77	6.37	9.55	4.77	6.37	9.55	2.40	3.18	4.77
伺服电机转速 Servo motor speed	r/min	1500			2000			3000								
电动缸推力 Thrust electric cylinder	KN	12.8	19.2	25.5	19.1	25.5	31.9	15.9	21.3	31.9	22.3	29.8	44.6	16.0	21.2	31.8
电动缸承受推力 Withstanding thrust electric cylinder	KN	30														
电缸额定速度 Electric cylinder rated speed	mm/s	200			130			80			55			40		

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	10														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	2.00	3.00	4.00	2.00	3.00	4.00	1.50	2.00	3.00	1.00	1.50	2.00
伺服电机扭矩 Servo motor torque	N.M	19.1	28.7	38.2	9.55	14.3	19.1	6.37	9.55	12.7	4.77	6.37	9.55	3.18	4.77	6.37
伺服电机转速 Servo motor speed	r/min	1500			2000			3000								
电动缸推力 Thrust electric cylinder	KN	10.2	15.3	20.5	15.3	22.9	30.6	17.0	25.5	33.9	17.8	23.8	35.7	17.0	25.5	34.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	30														
电缸额定速度 Electric cylinder rated speed	mm/s	250			110			100			70			50		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	10														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	1.00	2.00	3.00	2.00	3.00	4.00	1.50	2.00	3.00	1.00	1.50	2.00
伺服电机扭矩 Servo motor torque	N.M	19.1	28.7	38.2	6.37	12.8	19.1	6.37	9.55	12.7	4.77	6.37	9.55	3.18	4.77	6.37
伺服电机转速 Servo motor speed	r/min	1500			3000											
电动缸推力 Thrust electric cylinder	KN	10.2	15.3	20.5	6.80	13.6	20.4	17.0	25.5	33.9	17.8	23.8	35.7	17.0	25.5	34.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	30														
电缸额定速度 Electric cylinder rated speed	mm/s	250			125			100			70			50		

DI110/DH110 伺服电动缸选型参数表

DI110/DH110 servo electric cylinder parameter list selections

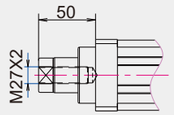
电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	20														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	2.00	3.00	4.50	3.00	4.00	5.00	3.00	4.00	5.00	2.00	3.00	4.00
伺服电机扭矩 Servo motor torque	N.M	19.1	28.7	38.3	12.7	19.1	28.7	14.3	19.1	23.9	9.55	12.7	15.9	6.37	9.55	12.7
伺服电机转速 Servo motor speed	r/min	1500						2000			3000					
电动缸推力 Thrust electric cylinder	KN	5.10	7.65	10.3	10.3	15.5	23.0	19.1	25.5	31.9	17.8	23.7	35.7	17.0	25.5	33.9
电动缸承受推力 Withstanding thrust electric cylinder	KN	30														
电缸额定速度 Electric cylinder rated speed	mm/s	500			165			130			140			100		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	20														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.00	5.00	3.00	4.00	5.00	2.00	3.00	4.00
伺服电机扭矩 Servo motor torque	N.M	19.1	28.7	38.3	38.3	28.7	38.3	14.3	19.1	23.9	9.55	12.7	15.9	6.37	9.55	12.7
伺服电机转速 Servo motor speed	r/min	1500						2000			3000					
电动缸推力 Thrust electric cylinder	KN	7.66	7.65	10.3	10.2	15.3	20.6	19.4	25.5	31.9	17.8	23.7	35.7	17.0	25.5	33.9
电动缸承受推力 Withstanding thrust electric cylinder	KN	30														
电缸额定速度 Electric cylinder rated speed	mm/s	500			250			130			140			100		

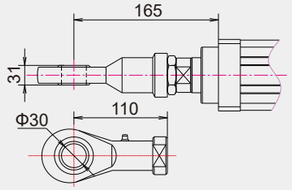
电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	40														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.50	6.00	2.00	3.00	4.50	3.00	4.00	5.00
伺服电机扭矩 Servo motor torque	N.M	28.7	28.7	38.2	19.1	28.7	38.3	19.1	28.7	38.3	12.8	19.1	28.7	14.3	19.1	23.9
伺服电机转速 Servo motor speed	r/min	1500												2000		
电动缸推力 Thrust electric cylinder	KN	2.55	3.82	5.1	7.65	11.5	15.3	12.7	19.1	25.5	12.0	17.8	26.7	19.1	25.5	31.9
电动缸承受推力 Withstanding thrust electric cylinder	KN	30														
电缸额定速度 Electric cylinder rated speed	mm/s	1000			333			200			140			130		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	40														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.50	6.00	2.00	3.00	4.50	3.00	4.00	5.00
伺服电机扭矩 Servo motor torque	N.M	19.1	28.7	38.2	19.1	28.7	38.3	19.1	28.7	38.3	12.8	19.1	28.7	14.3	19.1	23.9
伺服电机转速 Servo motor speed	r/min	1500												2000		
电动缸推力 Thrust electric cylinder	KN	2.55	3.82	5.1	5.10	7.64	10.2	12.8	19.1	25.5	12.0	17.8	26.7	19.1	25.5	31.9
电动缸承受推力 Withstanding thrust electric cylinder	KN	30														
电缸额定速度 Electric cylinder rated speed	mm/s	1000			500			200			140			130		

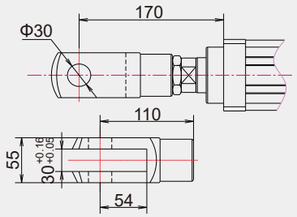
C2:内螺纹



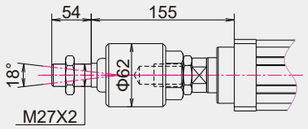
C3:关节轴承



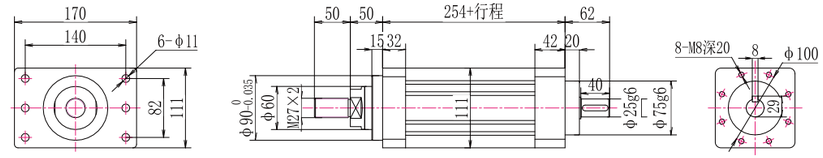
C4:U型插销



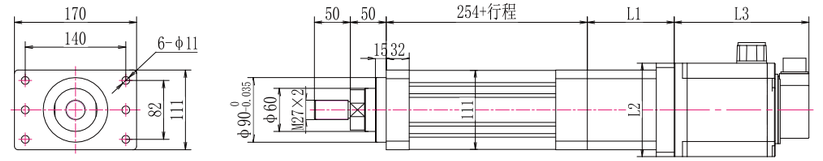
C5:浮动接头



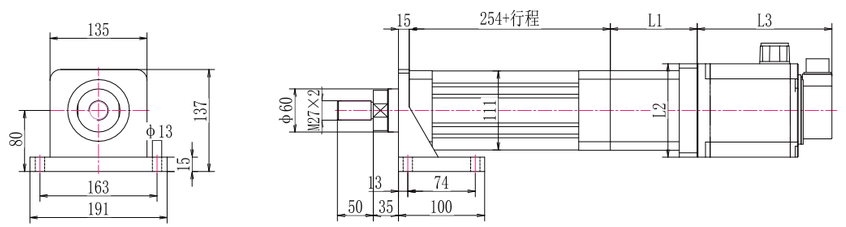
M0 ： 标准缸体



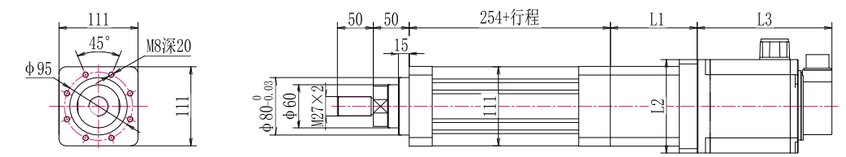
M1:前输出法兰



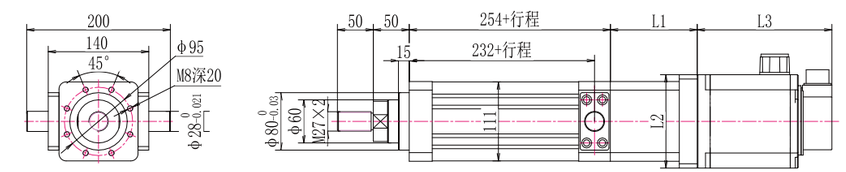
M2:卧式底座



M3:前螺纹法兰

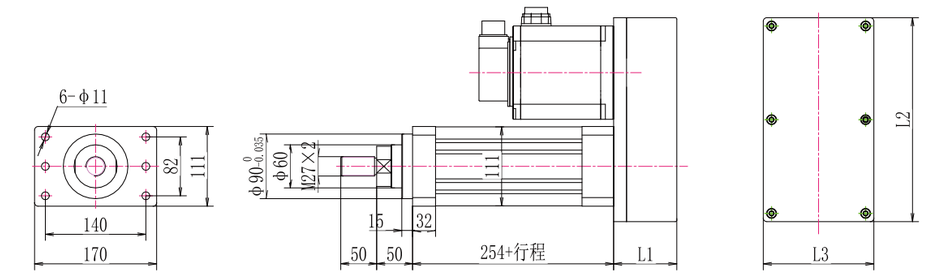


M4:后法兰耳轴

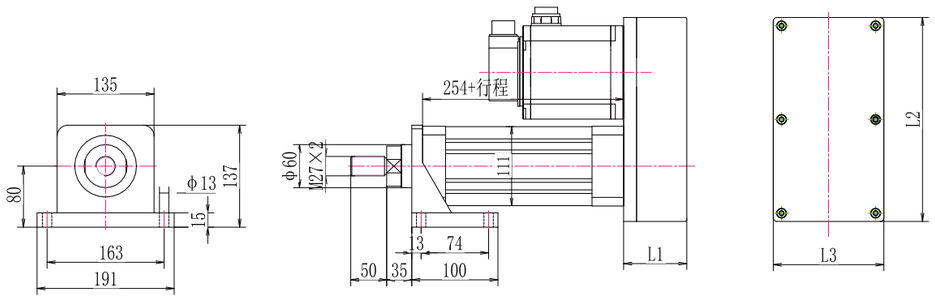


电机法兰	L1	L2	L3
130	118	130	190(请参考电机)
150	118	150	220(请参考电机)
180	138	180	202(请参考电机)

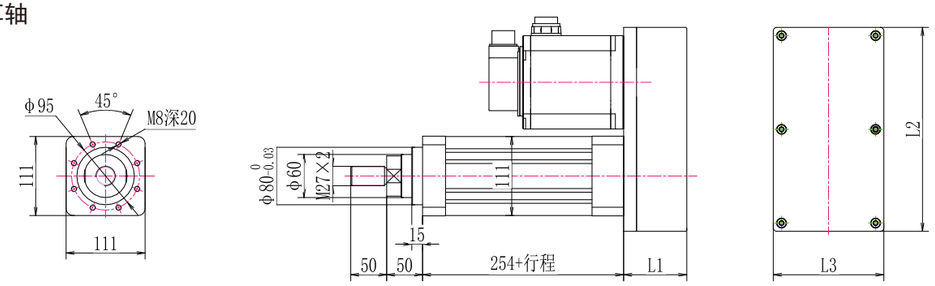
M1:前输出法兰



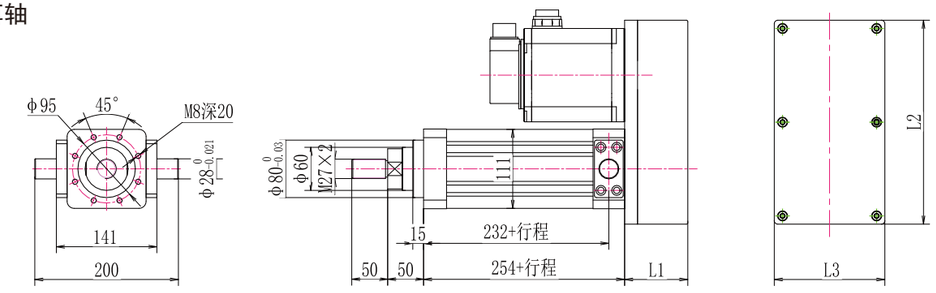
M2:卧式底座



M3:尾部单耳轴



M4:后法兰耳轴



电机法兰	L1	L2	L3
130	78	278	135
150	78	290	154
180	93	361	180

DI145/DH145 伺服电动缸选型参数表

DI145/DH145 servo electric cylinder parameter list selections

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	10														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	3.00	4.50	6.00	2.00	3.00	4.50	1.00	2.00	3.00	2.00	3.00	4.00
伺服电机扭矩 Servo motor torque	N.M	19.1	28.7	38.3	19.1	28.6	38.2	12.7	19.1	28.6	6.37	12.7	19.1	9.55	14.3	19.1
伺服电机转速 Servo motor speed	r/min	1500												2000		
电动缸推力 Thrust electric cylinder	KN	10.2	15.3	20.4	30.6	45.9	61.2	34.0	51.0	76.5	23.8	47.5	72.5	51.0	76.3	102
电动缸承受推力 Withstanding thrust electric cylinder	KN	60														
电缸额定速度 Electric cylinder rated speed	mm/s	250			80			50			35			30		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	10														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	3.00	4.50	6.00	2.00	3.00	4.50	1.00	2.00	3.00	2.00	3.00	4.00
伺服电机扭矩 Servo motor torque	N.M	19.1	28.7	38.3	19.1	28.6	38.2	12.7	19.1	28.6	6.37	12.7	19.1	9.55	14.3	19.1
伺服电机转速 Servo motor speed	r/min	1500												2000		
电动缸推力 Thrust electric cylinder	KN	10.2	15.3	20.4	20.4	30.6	40.8	34.0	51.0	76.5	23.8	47.5	72.5	51.0	76.3	102
电动缸承受推力 Withstanding thrust electric cylinder	KN	60														
电缸额定速度 Electric cylinder rated speed	mm/s	250			125			50			35			30		

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	16														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.50	6.00	2.00	3.00	4.50	2.00	3.00	4.50
伺服电机扭矩 Servo motor torque	N.M	19.1	28.7	38.2	19.1	28.6	38.2	19.1	28.6	38.2	12.8	19.1	28.6	12.8	19.1	28.6
伺服电机转速 Servo motor speed	r/min	1500														
电动缸推力 Thrust electric cylinder	KN	6.37	9.50	12.8	19.1	28.5	38.4	31.8	47.5	64.0	30.0	44.6	66.5	42.7	63.6	95.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	60														
电缸额定速度 Electric cylinder rated speed	mm/s	400			133			80			57			40		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	16														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.50	6.00	2.00	3.00	4.50	2.00	3.00	4.50
伺服电机扭矩 Servo motor torque	N.M	19.1	28.7	38.2	19.1	28.6	38.2	19.1	28.6	38.2	12.8	19.1	28.6	12.8	19.1	28.6
伺服电机转速 Servo motor speed	r/min	1500														
电动缸推力 Thrust electric cylinder	KN	6.37	9.50	12.8	12.8	19.0	25.6	31.8	47.5	64.0	30.0	44.6	66.5	42.7	63.6	95.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	60														
电缸额定速度 Electric cylinder rated speed	mm/s	400			200			80			57			40		

DI145/DH145 伺服电动缸选型参数表

DI145/DH145 servo electric cylinder parameter list selections

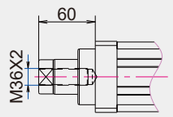
电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	20														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.50	6.00	2.00	3.00	4.50
伺服电机扭矩 Servo motor torque	N.M	19.1	28.6	38.2	19.1	28.6	38.2	19.1	28.6	38.2	19.1	28.2	38.2	12.8	19.1	28.2
伺服电机转速 Servo motor speed	r/min	1500														
电动缸推力 Thrust electric cylinder	KN	5.10	7.65	10.2	15.3	22.9	30.6	25.5	38.2	51.0	35.7	53.5	71.4	34.2	51.3	75.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	60														
电缸额定速度 Electric cylinder rated speed	mm/s	500			165			100			70			50		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	20														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.50	6.00	2.00	3.00	4.50
伺服电机扭矩 Servo motor torque	N.M	19.1	28.6	38.2	19.1	28.6	38.2	19.1	28.6	38.2	19.1	28.2	38.2	12.8	19.1	28.2
伺服电机转速 Servo motor speed	r/min	1500														
电动缸推力 Thrust electric cylinder	KN	5.10	7.65	10.2	10.2	15.3	20.2	25.5	38.2	51.0	35.7	53.5	71.4	34.2	51.3	75.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	60														
电缸额定速度 Electric cylinder rated speed	mm/s	500			250			100			70			50		

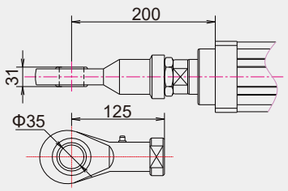
电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	40														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.50	6.00
伺服电机扭矩 Servo motor torque	N.M	19.1	28.6	38.2	19.1	28.6	38.2	19.1	28.6	38.2	19.1	28.2	38.2	19.1	28.2	38.2
伺服电机转速 Servo motor speed	r/min	1500														
电动缸推力 Thrust electric cylinder	KN	2.55	3.85	5.10	7.65	11.5	15.3	12.7	19.1	38.2	17.8	26.4	35.5	25.5	38.5	51.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	60														
电缸额定速度 Electric cylinder rated speed	mm/s	1000			333			200			140			100		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	40														
伺服电机功率 Servo motor power	KW	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.50	6.00	3.00	4.50	6.00
伺服电机扭矩 Servo motor torque	N.M	19.1	28.6	38.2	19.1	28.6	38.2	19.1	28.6	38.2	19.1	28.2	38.2	19.1	28.2	38.2
伺服电机转速 Servo motor speed	r/min	1500														
电动缸推力 Thrust electric cylinder	KN	2.55	3.85	5.10	1.65	11.5	10.2	12.7	19.1	38.2	17.8	26.4	35.5	25.5	38.5	51.0
电动缸承受推力 Withstanding thrust electric cylinder	KN	60														
电缸额定速度 Electric cylinder rated speed	mm/s	1000			500			200			140			100		

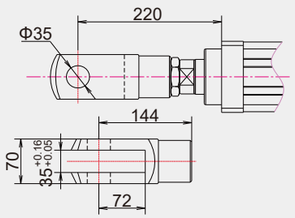
C2:内螺纹



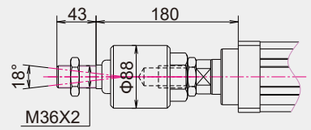
C3:关节轴承



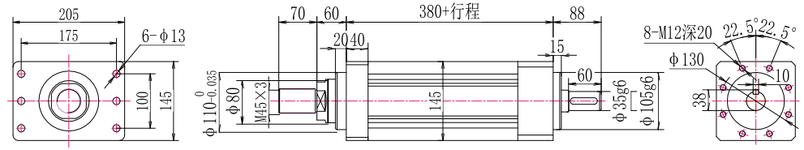
C4:U型插销



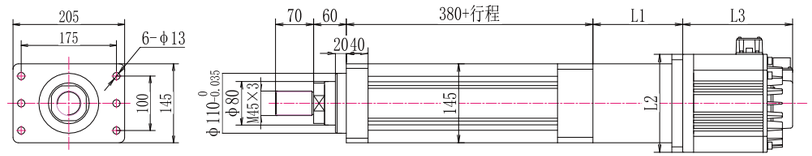
C5:浮动接头



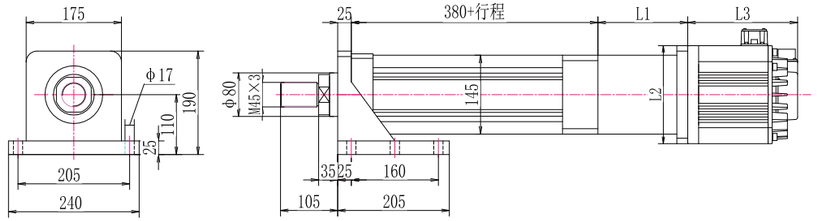
M0 : 标准缸体



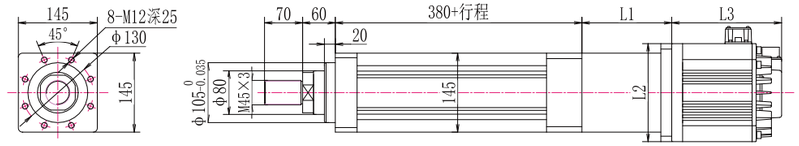
M1:前输出法兰



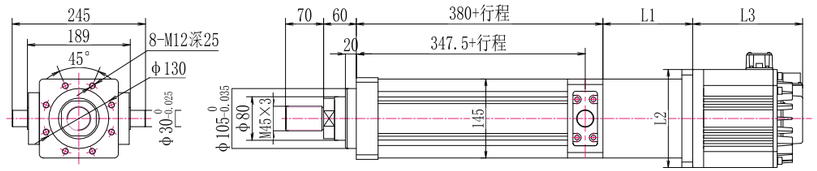
M2:卧式底座



M3:前螺纹法兰

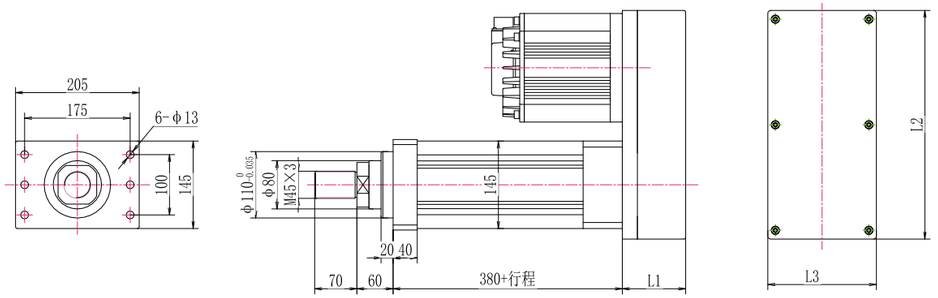


M4:后法兰耳轴

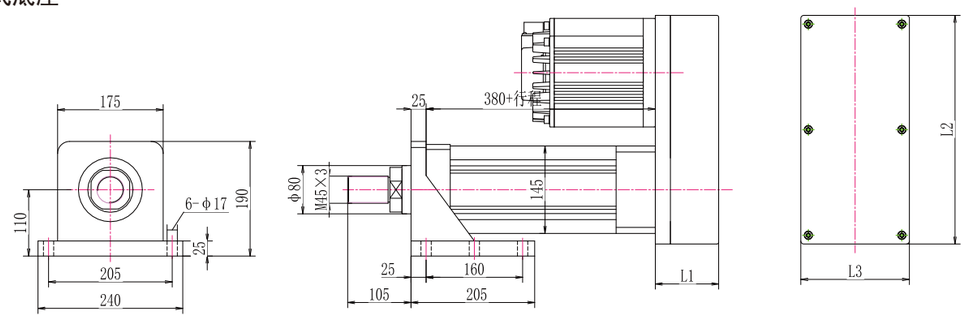


电机法兰	L1	L2	L3
150	145	150	220(请参考电机)
180	165	180	202(请参考电机)
190	165	190	220(请参考电机)

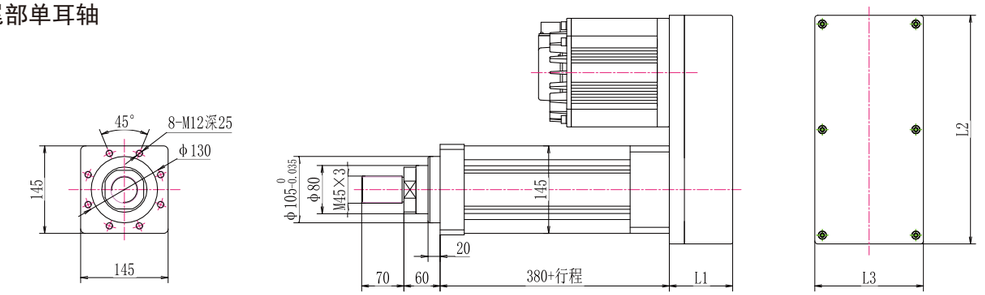
M1:前输出法兰



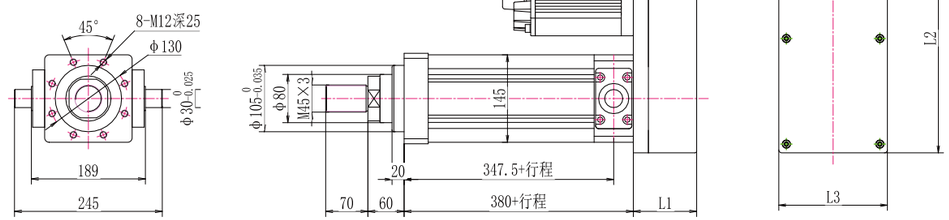
M2:卧式底座



M3:尾部单耳轴



M4:后法兰耳轴



电机法兰	L1	L2	L3
150	85	290	160
180	100	361	180
190	105	380	220

DI165/DH165 伺服电动缸选型参数表

DI165/DH165 servo electric cylinder parameter list selections

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	10														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00	2.00	3.00	4.50	0.90	2.00	3.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	28.7	43.0	57.3	19.1	28.7	43.0	8.59	19.1	28.7
伺服电机转速 Servo motor speed	r/min	1500						1000								
电动缸推力 Thrust electric cylinder	KN	25.5	37.4	51.0	76.6	112	153	76.6	115	153	71.4	107	161	45.9	102	153
电动缸承受推力 Withstanding thrust electric cylinder	KN	120														
电缸额定速度 Electric cylinder rated speed	mm/s	250			80			30			20			15		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	10														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00	2.00	3.00	4.50	0.90	2.00	3.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	28.7	43.0	57.3	19.1	28.7	43.0	8.59	19.1	28.7
伺服电机转速 Servo motor speed	r/min	1500						1000								
电动缸推力 Thrust electric cylinder	KN	25.5	37.4	51.0	51.0	74.7	102	76.6	115	153	71.4	107	161	45.9	102	153
电动缸承受推力 Withstanding thrust electric cylinder	KN	120														
电缸额定速度 Electric cylinder rated speed	mm/s	250			125			30			20			15		

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	16														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00	3.00	4.50	6.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	28.7	43.0	57.3	28.7	43.0	57.3
伺服电机转速 Servo motor speed	r/min	1500									1000					
电动缸推力 Thrust electric cylinder	KN	16.0	23.4	31.9	47.8	70.0	95.6	79.7	117	159	67.0	100	134	95.8	144	191
电动缸承受推力 Withstanding thrust electric cylinder	KN	120														
电缸额定速度 Electric cylinder rated speed	mm/s	400			130			80			35			25		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	16														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00	3.00	4.50	6.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	28.7	43.0	57.3	28.7	43.0	57.3
伺服电机转速 Servo motor speed	r/min	1500									1000					
电动缸推力 Thrust electric cylinder	KN	16.0	23.4	31.9	31.9	46.7	159	79.7	117	159	67.0	100	134	95.8	144	191
电动缸承受推力 Withstanding thrust electric cylinder	KN	120														
电缸额定速度 Electric cylinder rated speed	mm/s	400			200			80			35			25		

DI165/DH165 伺服电动缸选型参数表

DI165/DH165 servo electric cylinder parameter list selections

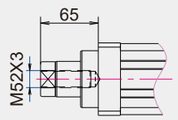
电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	20														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	28.7	43.0	57.3
伺服电机转速 Servo motor speed	r/min	1500												1000		
电动缸推力 Thrust electric cylinder	KN	12.8	18.7	25.5	38.3	56.1	76.5	63.8	93.4	127	89.3	131	178	76.6	115	153
电动缸承受推力 Withstanding thrust electric cylinder	KN	120														
电缸额定速度 Electric cylinder rated speed	mm/s	500			165			100			70			30		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	20														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	28.7	43.0	57.3
伺服电机转速 Servo motor speed	r/min	1500												1000		
电动缸推力 Thrust electric cylinder	KN	12.8	18.7	25.5	25.5	37.4	51.0	63.8	93.4	127	89.3	131	178	76.6	115	153
电动缸承受推力 Withstanding thrust electric cylinder	KN	120														
电缸额定速度 Electric cylinder rated speed	mm/s	500			250			100			70			30		

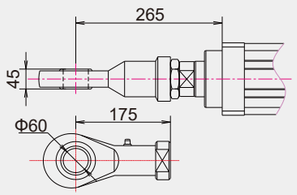
电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			7			10		
丝杆导程 Screw lead	mm	40														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5
伺服电机转速 Servo motor speed	r/min	1500														
电动缸推力 Thrust electric cylinder	KN	6.38	9.34	12.7	19.1	28.0	38.2	31.9	46.7	63.7	44.7	65.4	89.2	63.8	93.4	127
电动缸承受推力 Withstanding thrust electric cylinder	KN	120														
电缸额定速度 Electric cylinder rated speed	mm/s	1000			330			200			140			100		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			7			10		
丝杆导程 Screw lead	mm	40														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5
伺服电机转速 Servo motor speed	r/min	1500														
电动缸推力 Thrust electric cylinder	KN	6.38	9.34	12.7	12.8	18.7	25.5	31.9	46.7	63.7	44.7	65.4	89.2	63.8	93.4	127
电动缸承受推力 Withstanding thrust electric cylinder	KN	120														
电缸额定速度 Electric cylinder rated speed	mm/s	1000			500			200			140			100		

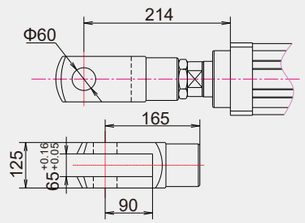
C2:内螺纹



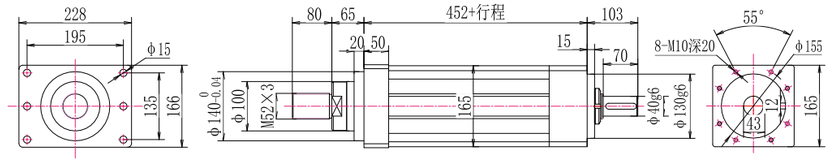
C3:关节轴承



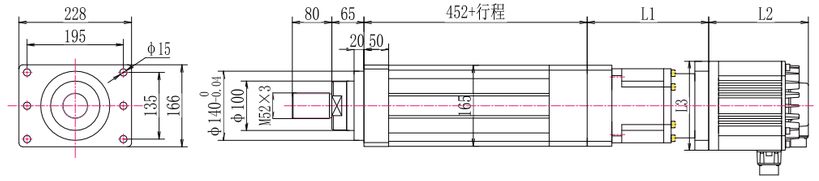
C4:U型插销



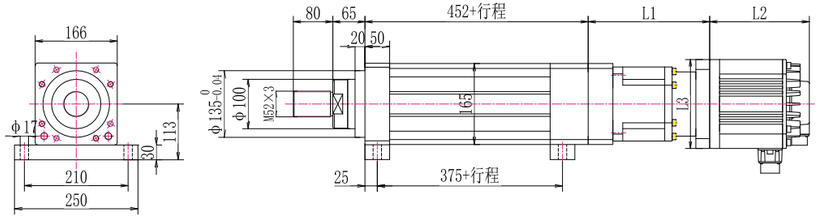
M0:标准缸体



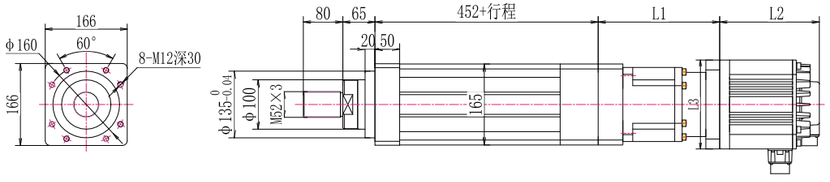
M1:前输出法兰



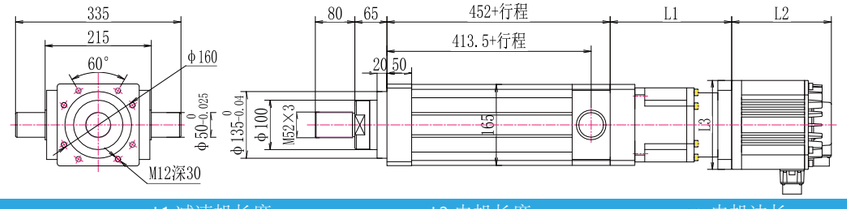
M2:卧式底座



M3:小前输出法兰

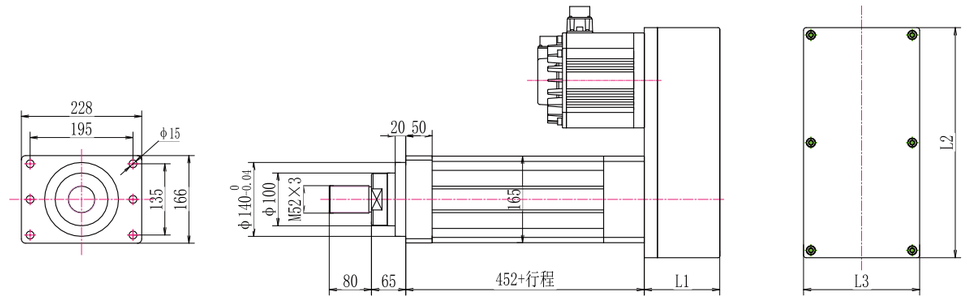


M4:后法兰耳轴

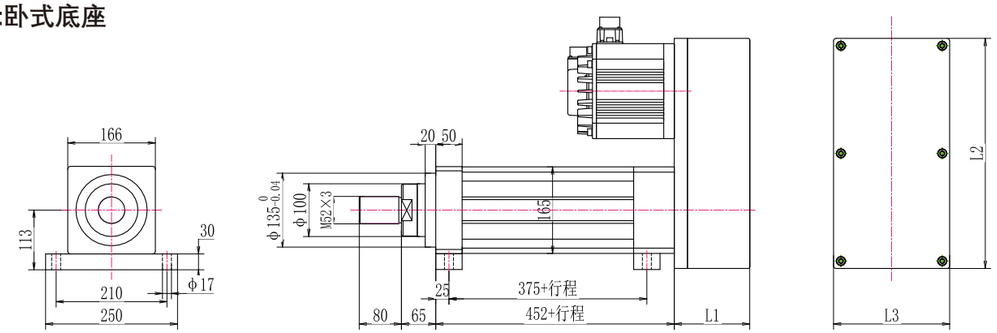


电机法兰	L1 减速机长度	L2 电机长度	L3 电机边长
180	196	280(请参考电机)	180
190	196	320(请参考电机)	192
220	226	350(请参考电机)	220

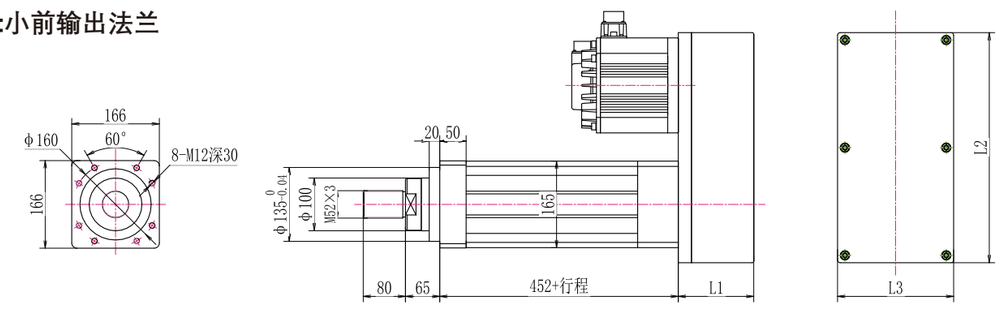
M1:前输出法兰



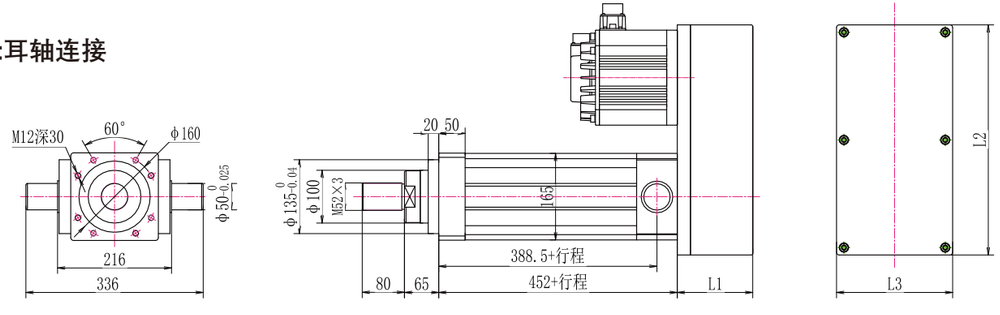
M2:卧式底座



M3:小前输出法兰



M4:耳轴连接



电机法兰	L1	L2	L3
180	143	436	220
190	143	436	220
220	143	436	220

DI210/DH210 伺服电动缸选型参数表

DI210/DH210 servo electric cylinder parameter list selections

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			10			20		
丝杆导程 Screw lead	mm	32														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00	0.90	2.00	3.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	27.7	43.0	57.3	8.59	19.1	28.7
伺服电机转速 Servo motor speed	r/min	1500									1000					
电动缸推力 Thrust electric cylinder	KN	9.3	13.7	18.7	27.9	41.1	56.1	46.5	68.5	93.5	54.3	84	112.4	33.7	74.9	112.6
电动缸承受推力 Withstanding thrust electric cylinder	KN	200														
电缸额定速度 Electric cylinder rated speed	mm/s	800			266			160			53			26		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			10			20		
丝杆导程 Screw lead	mm	32														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00	0.90	2.00	3.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	27.7	43.0	57.3	8.59	19.1	28.7
伺服电机转速 Servo motor speed	r/min	1500									1000					
电动缸推力 Thrust electric cylinder	KN	9.3	13.7	18.7	27.9	41.1	56	46.5	68.5	93.5	54.3	84	112.4	33.7	74.9	112.6
电动缸承受推力 Withstanding thrust electric cylinder	KN	200														
电缸额定速度 Electric cylinder rated speed	mm/s	800			266			160			53			26		

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			10			20		
丝杆导程 Screw lead	mm	25														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	28.7	43.0	57.3
伺服电机转速 Servo motor speed	r/min	1500												1000		
电动缸推力 Thrust electric cylinder	KN	10.3	16	20.5	30.6	45	28.6	51	75	101	102	150	204	123	183	244
电动缸承受推力 Withstanding thrust electric cylinder	KN	200														
电缸额定速度 Electric cylinder rated speed	mm/s	625			208			125			62.5			20		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			10			20		
丝杆导程 Screw lead	mm	25														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	28.7	43.0	57.3
伺服电机转速 Servo motor speed	r/min	1500												1000		
电动缸推力 Thrust electric cylinder	KN	10.3	16	20.5	30.6	45	28.6	51	75	101	102	150	204	123	183	244
电动缸承受推力 Withstanding thrust electric cylinder	KN	200														
电缸额定速度 Electric cylinder rated speed	mm/s	625			312			125			62.5			20		

DI210/DH210 伺服电动缸选型参数表

DI210/DH210 servo electric cylinder parameter list selections

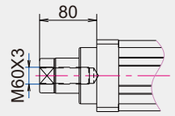
电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			10			20		
丝杆导程 Screw lead	mm	20														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	28.7	43.0	57.3
伺服电机转速 Servo motor speed	r/min	1500												1000		
电动缸推力 Thrust electric cylinder	KN	12.8	18.7	25.5	38.3	56.1	76.5	63.8	93.4	127	128	187	255	153	230	306
电动缸承受推力 Withstanding thrust electric cylinder	KN	200														
电缸额定速度 Electric cylinder rated speed	mm/s	500			165			100			50			15		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			10			20		
丝杆导程 Screw lead	mm	20														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	28.7	43.0	57.3
伺服电机转速 Servo motor speed	r/min	1500												1000		
电动缸推力 Thrust electric cylinder	KN	12.8	18.7	25.5	25.5	37.4	51.0	63.8	93.4	127	128	187	255	153	230	306
电动缸承受推力 Withstanding thrust electric cylinder	KN	200														
电缸额定速度 Electric cylinder rated speed	mm/s	500			250			100			50			15		

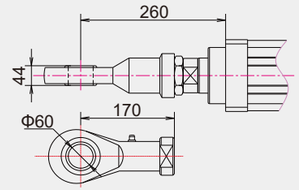
电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			10			20		
丝杆导程 Screw lead	mm	40														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5
伺服电机转速 Servo motor speed	r/min	1500														
电动缸推力 Thrust electric cylinder	KN	6.38	9.34	12.7	19.1	28.0	38.2	31.9	46.7	63.7	63.8	93.4	127	128	187	255
电动缸承受推力 Withstanding thrust electric cylinder	KN	200														
电缸额定速度 Electric cylinder rated speed	mm/s	1000			330			200			100			50		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			10			20		
丝杆导程 Screw lead	mm	40														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5
伺服电机转速 Servo motor speed	r/min	1500														
电动缸推力 Thrust electric cylinder	KN	6.38	9.34	12.7	12.8	18.7	25.5	31.9	46.7	63.7	63.8	93.4	127	128	187	255
电动缸承受推力 Withstanding thrust electric cylinder	KN	200														
电缸额定速度 Electric cylinder rated speed	mm/s	1000			500			200			100			50		

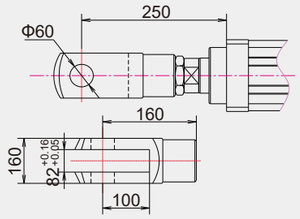
C2:内螺纹



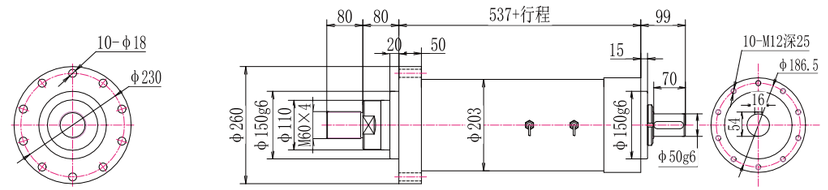
C3:关节轴承



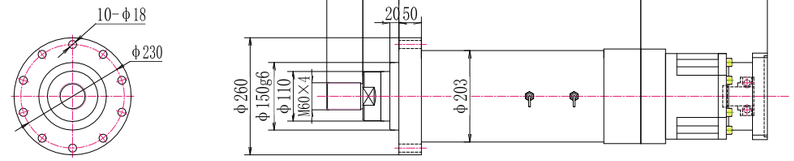
C4:U型插销



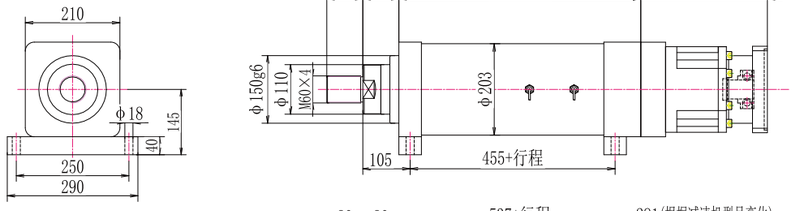
M0:标准缸体



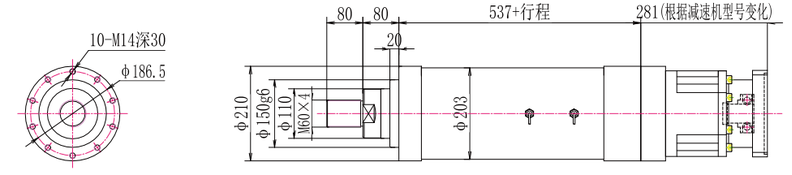
M1:前输出法兰



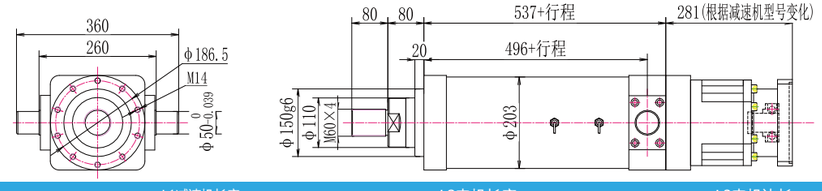
M2:卧式底座



M3:小前输出法兰

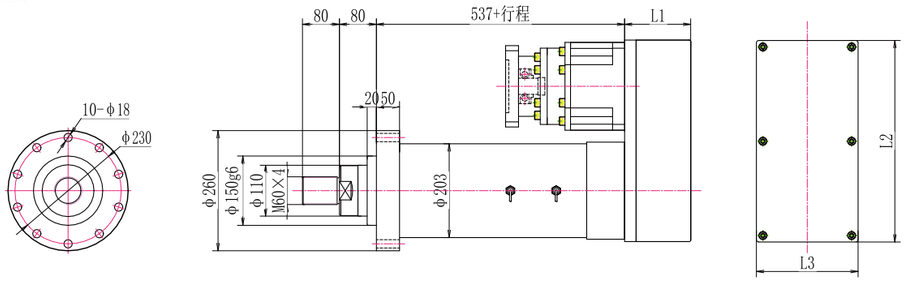


M4:后法兰耳轴

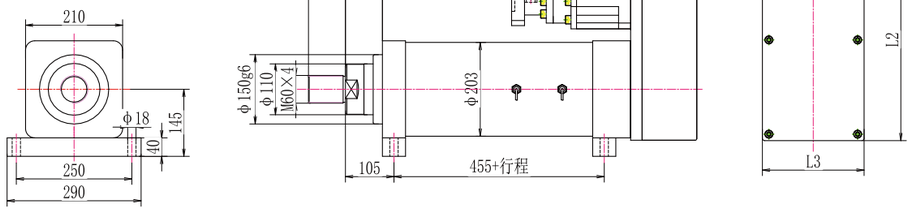


电机法兰	L1减速机长度	L2电机长度	L3电机边长
220	276	340(请参考电机)	220
250	276	370(请参考电机)	250
280	295	480(请参考电机)	280

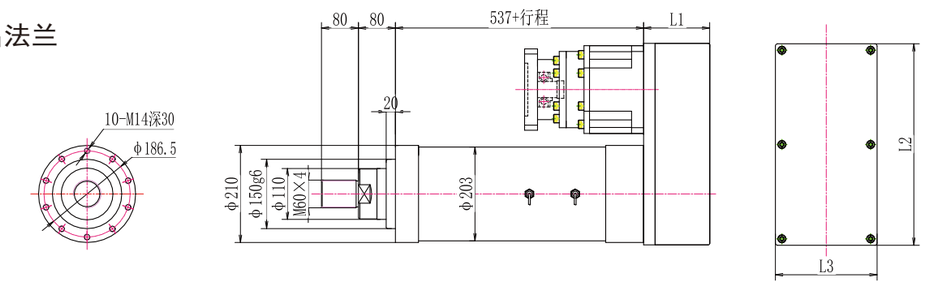
M1前输出法兰



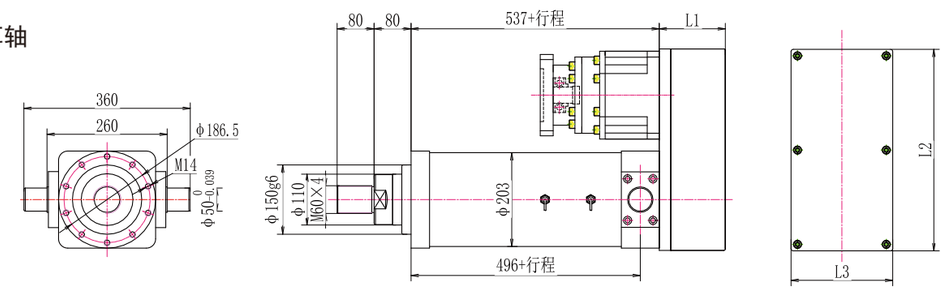
M2:卧式底座



M3:小前输出法兰



M4:后法兰耳轴



电机法兰	L1	L2	L3
220	143	436	220
250	165	480	250
280	165	480	280

DI250/DH250 伺服电动缸选型参数表

DI250/DH250 servo electric cylinder parameter list selections

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			10			20		
丝杆导程 Screw lead	mm	20														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00	0.90	2.00	3.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	27.7	43.0	57.3	8.59	19.1	28.7
伺服电机转速 Servo motor speed	r/min	1500									1000					
电动缸推力 Thrust electric cylinder	KN	12.75	18.75	25.5	38,5	56	76.5	64	88.5	127.5	76.5	115	153	46	102	153
电动缸承受推力 Withstanding thrust electric cylinder	KN	300-500														
电缸额定速度 Electric cylinder rated speed	mm/s	500			160			100			30			16		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			10			20		
丝杆导程 Screw lead	mm	20														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00	0.90	2.00	3.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	27.7	43.0	57.3	8.59	19.1	28.7
伺服电机转速 Servo motor speed	r/min	1500									1000					
电动缸推力 Thrust electric cylinder	KN	12.75	18.75	25.5	25.5	37.5	51	64	88.5	127.5	76.5	115	153	46	102	153
电动缸承受推力 Withstanding thrust electric cylinder	KN	300-500														
电缸额定速度 Electric cylinder rated speed	mm/s	500			250			100			30			16		

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			10			20		
丝杆导程 Screw lead	mm	25														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	28.7	43.0	57.3
伺服电机转速 Servo motor speed	r/min	1500												1000		
电动缸推力 Thrust electric cylinder	KN	12	17.5	24	36	52.5	72	60	87.5	72	120	175	240	144	216	287
电动缸承受推力 Withstanding thrust electric cylinder	KN	300-500														
电缸额定速度 Electric cylinder rated speed	mm/s	625			208			125			41			20		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			10			20		
丝杆导程 Screw lead	mm	25														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	28.7	43.0	57.3
伺服电机转速 Servo motor speed	r/min	1500												1000		
电动缸推力 Thrust electric cylinder	KN	12	17.5	24	36	52.5	72	60	87.5	72	120	175	240	144	216	287
电动缸承受推力 Withstanding thrust electric cylinder	KN	300-500														
电缸额定速度 Electric cylinder rated speed	mm/s	625			208			125			41			20		

DI250/DH250 伺服电动缸选型参数表

DI250/DH250 servo electric cylinder parameter list selections

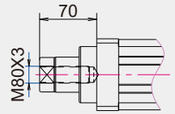
电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			10			20		
丝杆导程 Screw lead	mm	32														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	28.7	43.0	57.3
伺服电机转速 Servo motor speed	r/min	1500												1000		
电动缸推力 Thrust electric cylinder	KN	9.4	13.7	18.7	28.2	41.1	56.1	47	68.5	93.5	94	137	187	112	168	224
电动缸承受推力 Withstanding thrust electric cylinder	KN	300-500														
电缸额定速度 Electric cylinder rated speed	mm/s	800			266			160			26			13		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			10			20		
丝杆导程 Screw lead	mm	32														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	28.7	43.0	57.3
伺服电机转速 Servo motor speed	r/min	1500												1000		
电动缸推力 Thrust electric cylinder	KN	9.4	13.7	18.7	28.2	41.1	56.1	47	68.5	93.5	94	137	187	112	168	224
电动缸承受推力 Withstanding thrust electric cylinder	KN	300-500														
电缸额定速度 Electric cylinder rated speed	mm/s	800			266			160			26			13		

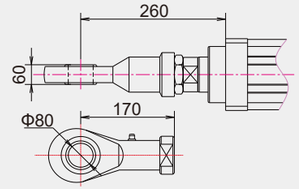
电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			3			5			10			20		
丝杆导程 Screw lead	mm	40														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5
伺服电机转速 Servo motor speed	r/min	1500														
电动缸推力 Thrust electric cylinder	KN	6.38	9.34	12.7	19.1	28.0	38.2	31.9	46.7	63.7	63.8	93.4	127	128	187	255
电动缸承受推力 Withstanding thrust electric cylinder	KN	300-500														
电缸额定速度 Electric cylinder rated speed	mm/s	1000			330			200			100			50		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			10			20		
丝杆导程 Screw lead	mm	40														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5
伺服电机转速 Servo motor speed	r/min	1500														
电动缸推力 Thrust electric cylinder	KN	6.38	9.34	12.7	12.8	18.7	25.5	31.9	46.7	63.7	63.8	93.4	127	128	187	255
电动缸承受推力 Withstanding thrust electric cylinder	KN	300-500														
电缸额定速度 Electric cylinder rated speed	mm/s	1000			500			200			100			50		

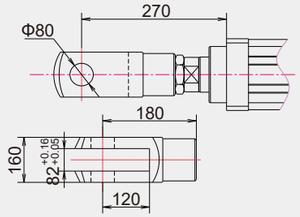
C2:内螺纹



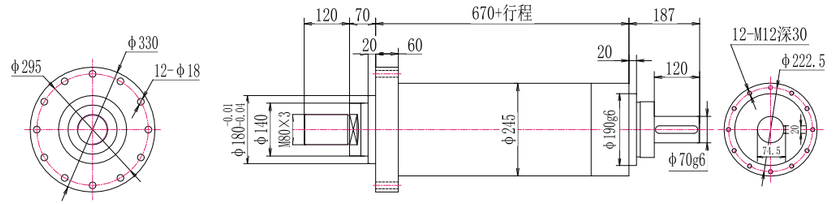
C3:关节轴承



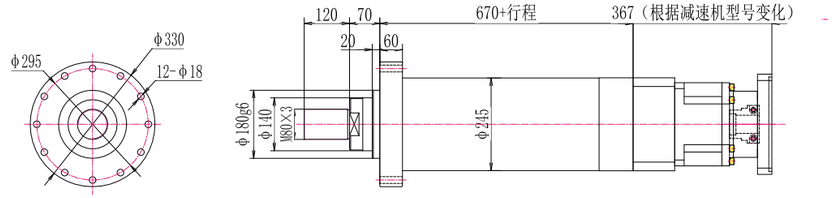
C4:U型插销



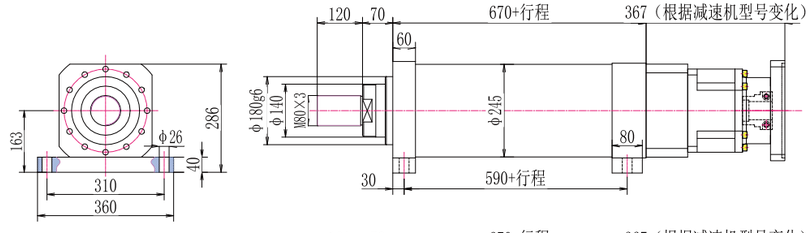
M0:标准缸体



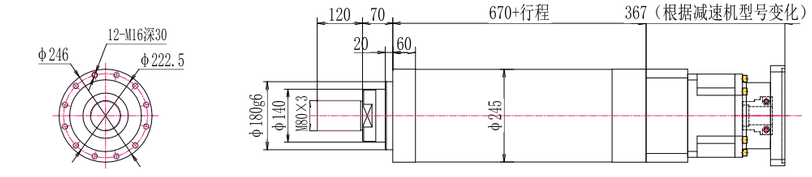
M1:前输出法兰



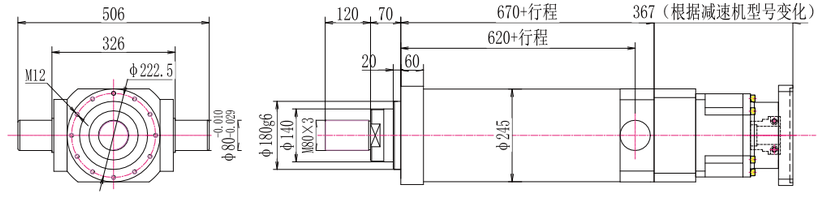
M2:卧式底座



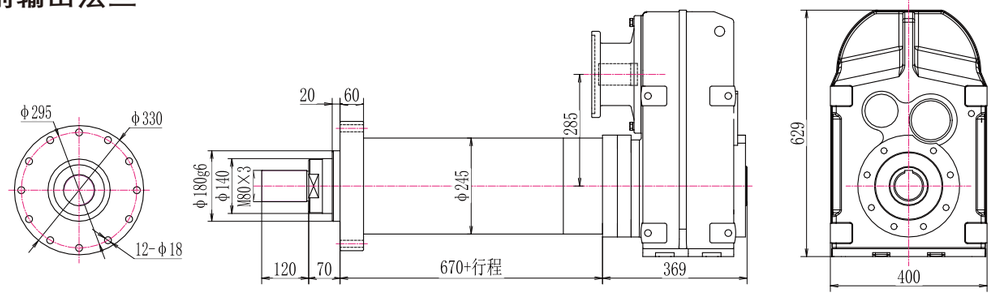
M3:小输出法兰



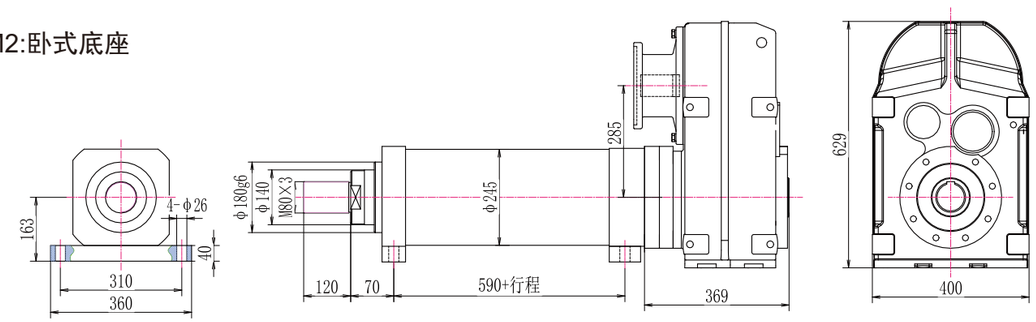
M4:后法兰耳轴



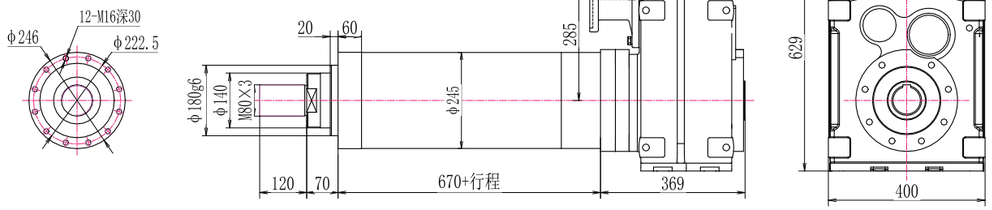
M1前输出法兰



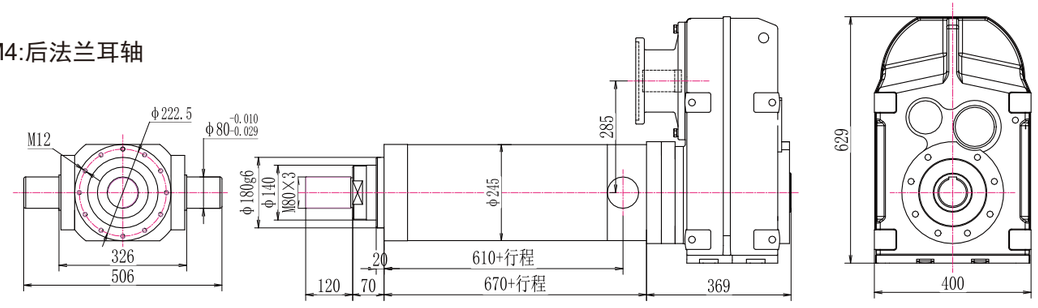
M2:卧式底座



M3:小前输出法兰



M4:后法兰耳轴



DI300/DH300 伺服电动缸选型参数表

DI300/DH300 servo electric cylinder parameter list selections

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		4			5			7			10			20		
丝杆导程 Screw lead	mm	20														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00	0.90	2.00	3.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	19.8	29.7	39.6	5.94	13.4	19.8
伺服电机转速 Servo motor speed	r/min	1500									1500					
电动缸推力 Thrust electric cylinder	KN	50.2	74.8	100	62.75	93.5	125	87.8	130.9	175	125.5	187	250	250	374	500
电动缸承受推力 Withstanding thrust electric cylinder	KN	400-700														
电缸额定速度 Electric cylinder rated speed	mm/s	125			100			70			50			25		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		4			5			7			10			20		
丝杆导程 Screw lead	mm	20														
伺服电机功率 Servo motor power	KW	7.50	11.0	15.0	7.50	11.0	15.0	7.50	11.0	15.0	3.00	4.50	6.00	0.90	2.00	3.00
伺服电机扭矩 Servo motor torque	N.M	47.8	70.0	95.5	47.8	70.0	95.5	47.8	70.0	95.5	19.8	29.7	39.6	5.94	13.4	19.8
伺服电机转速 Servo motor speed	r/min	1500									1500					
电动缸推力 Thrust electric cylinder	KN	50.2	74.8	100	62.75	93.5	125	87.8	130.9	175	125.5	187	250	250	374	50
电动缸承受推力 Withstanding thrust electric cylinder	KN	300-500														
电缸额定速度 Electric cylinder rated speed	mm/s	125			100			70			50			25		

电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		4			5			7			10			20		
丝杆导程 Screw lead	mm	25														
伺服电机功率 Servo motor power	KW	45	55	75	45	55	75	15	22	30	15	22	30	15	22	30
伺服电机扭矩 Servo motor torque	N.M	297	363	495	297	363	495	99	145	198	99	145	198	99	145	198
伺服电机转速 Servo motor speed	r/min	1500												1500		
电动缸推力 Thrust electric cylinder	KN	254	310	422.7	317	387	528	147	216	295	211	309	422	422	619	845
电动缸承受推力 Withstanding thrust electric cylinder	KN	300-500														
电缸额定速度 Electric cylinder rated speed	mm/s	156			125			89			62			31		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		4			5			7			10			20		
丝杆导程 Screw lead	mm	25														
伺服电机功率 Servo motor power	KW	45	55	75	45	55	75	15	22	30	15	22	30	11	22	30
伺服电机扭矩 Servo motor torque	N.M	297	363	495	297	363	495	99	145	198	99	145	198	99	145	198
伺服电机转速 Servo motor speed	r/min	1500												1500		
电动缸推力 Thrust electric cylinder	KN	254	310	422.7	317	387	528	147	216	295	210	309	422	422	619	845
电动缸承受推力 Withstanding thrust electric cylinder	KN	300-500														
电缸额定速度 Electric cylinder rated speed	mm/s	156			125			89			62			31		

DI300/DH300 伺服电动缸选型参数表

DI300/DH300 servo electric cylinder parameter list selections

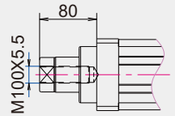
电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		4			5			7			10			20		
丝杆导程 Screw lead	mm	32														
伺服电机功率 Servo motor power	KW	45	55	75	45	55	75	15	22	30	15	22	30	15	22	30
伺服电机扭矩 Servo motor torque	N.M	254	363	495	254	363	495	99	145	198	99	145	198	99	145	198
伺服电机转速 Servo motor speed	r/min	1500												1000		
电动缸推力 Thrust electric cylinder	KN	169	242	330	211	302	412	115	169	231	165	241	330	330	483	660
电动缸承受推力 Withstanding thrust electric cylinder	KN	400-700														
电缸额定速度 Electric cylinder rated speed	mm/s	200			160			114			80			40		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		4			5			7			10			20		
丝杆导程 Screw lead	mm	32														
伺服电机功率 Servo motor power	KW	45	55	75	45	55	75	15	22	30	15	22	30	15	22	30
伺服电机扭矩 Servo motor torque	N.M	254	363	495	254	363	495	99	145	198	99	145	198	99	145	198
伺服电机转速 Servo motor speed	r/min	1500												1500		
电动缸推力 Thrust electric cylinder	KN	169	242	330	211	302	412	115	169	231	165	241	330	330	483	660
电动缸承受推力 Withstanding thrust electric cylinder	KN	400-700														
电缸额定速度 Electric cylinder rated speed	mm/s	200			160			114			80			40		

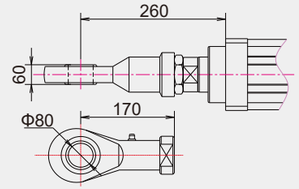
电机连接形式 Motor connection		同轴直线式 Coaxial Linear														
减速比 Reduction ratio		1			4			5			10			20		
丝杆导程 Screw lead	mm	40														
伺服电机功率 Servo motor power	KW	45	55	75	45	55	75	45	55	75	15	22	30	15	22	30
伺服电机扭矩 Servo motor torque	N.M	254	363	495	254	363	495	254	363	495	99	145	198	99	145	198
伺服电机转速 Servo motor speed	r/min	1500														
电动缸推力 Thrust electric cylinder	KN	33	48	66	135	193	264	169	242	330	132	193	264	264	386	528
电动缸承受推力 Withstanding thrust electric cylinder	KN	300-500														
电缸额定速度 Electric cylinder rated speed	mm/s	1000			250			200			100			50		

电机连接形式 Motor connection		同步带折返式 Timing belt Turn-back type														
减速比 Reduction ratio		1			2			5			10			20		
丝杆导程 Screw lead	mm	40														
伺服电机功率 Servo motor power	KW	45	55	75	45	55	75	45	55	75	15	22	30	15	22	30
伺服电机扭矩 Servo motor torque	N.M	254	363	495	254	363	495	254	363	495	99	145	198	99	145	198
伺服电机转速 Servo motor speed	r/min	1500														
电动缸推力 Thrust electric cylinder	KN	33	48	66	135	193	264	169	242	330	132	193	264	264	386	528
电动缸承受推力 Withstanding thrust electric cylinder	KN	300-500														
电缸额定速度 Electric cylinder rated speed	mm/s	1000			250			200			100			50		

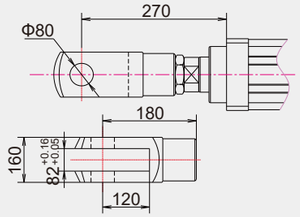
C2:内螺纹



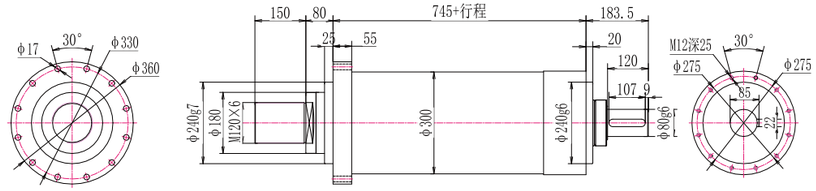
C3:关节轴承



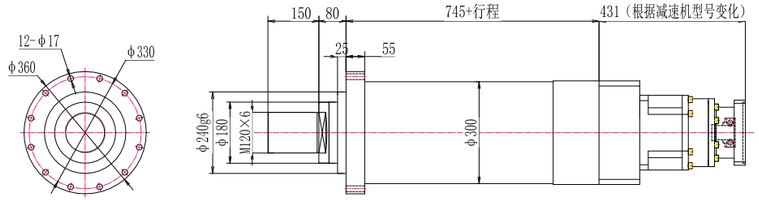
C4:U型插销



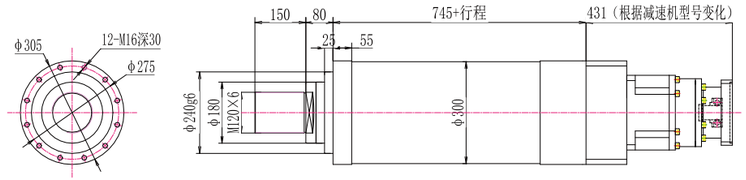
M0:标准缸体



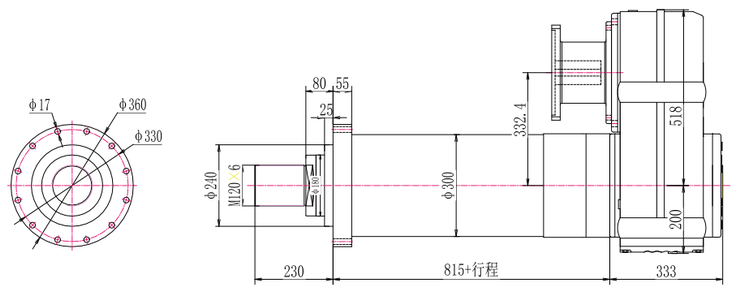
M1:前输出法兰



M3:小输出法兰



M1:前输出法兰



伺服电动缸和传动液压缸、气缸的对比

Comparison of the electric servo cylinder and the traditional hydraulic cylinders,cylinder

	项目Items	电动缸SlEEEElectric Cylinders	液压缸Hydraulic Cylinders	气缸Pneumatic Cylinders
成本比较 Cost Contest	操作方式 Operations	简单,既插既用 Easy	复杂 Complex	复杂 Complex
	环境影响 Environ mental	无污染、环保 Pollution-free	经常漏油 Hydraulic Fluid Leaks	噪音较大 High Noise Levels
	安全隐患 Safety	安全，几乎无隐患 Safe	有油泄漏 Hidden Danger/Oil	有气泄漏 Hidden Danger/Gas
	能源应用 Energy	节约能源 Save	损耗大 Waste (Oil)	损耗大 Waste (Gas)
	寿命 Lifetime	超长 Very Long	较长（维护得当） Can be long with proper maintenance	较长（维护得当） Can be long with proper maintenance
	维护保养 Maintenance	几乎免维护 Low	经常高成本维护 Very High	定期高成本维护 Very High
	性价比 Prices	高 High	较低 Moderate	较低 Low
功能比较 Function Contest	速度 Velocity	很高 Very High	中等 Moderate	很高 High
	加速度 Acceleration	很高 Very High	较高 Moderate	很高 High
	刚性 Rigidity	超高 Very High	较低且不稳定 Moderate	很低 Low
	承载能力 Load Ability	很强 Strong	很强 Strong	中等 Moderate
	抗冲击载荷能力 Shock Load	很强 Strong	很强 Strong	较强 Moderate
	传递效率 Efficiency	>90%	<50%	<50%
	定位控制 Location Control	非常简单 Easy	复杂 Hard	复杂 Hard
	定位精度 Location Precision	很高 Very High	一般 Moderate	一般 Moderate

应用领域 *Applications*

- 军事装备：雷达、导弹起竖架、装甲车要百台、特种设备等战舰与飞机的舱门开启，座位高低调节，武器随动系统执行机构，实验升降支架、坦克的火炮高低向动作调节，火箭燃料推送、炉门开启等。
- 专用设备:工业自动化生产线、装配线、物流传送、升降台、调偏控制、阀门控制、坐标机械手、机械设备、咖玛力、食品医药行业、数控机床、行业包装机、汽车电子压装机、纺织设备卷绕机分度、模具位置控制、夹紧、钻孔、定位。
- 实验设备：仿真平台、试验台、造波机、检测设备等。

- Military Equipment Radar, missile erecting support, swaying platform of armored car, special equipment, cabin door of warship and plane opening,height adjustment of seat, weapon servo system actuator,experimental lifing mechanism, heiht adjustment of artillery of tank, rocket fuel pushing, furnace door opening.
- Special Equipment: Automatic production line, assembly line, logistics transmission, elevating platforms, leaning adjustment, valve control, coor dinates manipulator, mechanicaldevice, Ct gamma, food and pharmaceuticals industry, numerical control machine, industry packing device,auto motive electronic press machine, winding machine dividing of textile device , and mold position control, clamping, drilling andpositioning of mole.
- Experimental Equipment: Simulation platform, test bed, wave machine, checkout equipment etc.

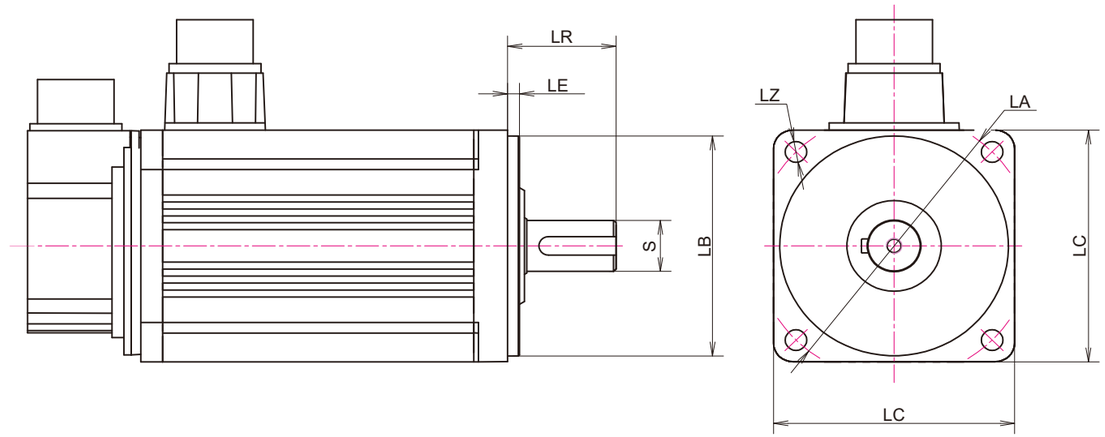
使用寿命与维护 *Service life and maintenance*

电动缸的寿命主要取决于丝杠和轴承的寿命。我们的设计将轴承的承载能力大于丝杠。其影响因素是金属的疲劳，在不同的速度下负载受力不同，作用时间不同，加速度不同都会有影响。所以很难精确确定。建议您在估算时，按照同样丝杠在同样环境下工作，以其使用寿命的90%计算。

- 电动缸在出厂时丝杠上已经加上润滑脂GB7324-1994通用锂基润滑脂3号。
- 电动缸工作达到300小时后，应对润滑脂进行补加。根据使用的环境和每天运行的时间来确定加油的次数，一般情况下，每2000小时加一次。
- 加油方法：将电动缸外壳上的注油孔打开，转动丝杠，找到丝杠母上的注油孔，注入润滑脂。
- 润滑脂要求：GB7324-199通用锂基润滑脂3号。

Lifetime of electric cylinders depend on the ball screw and bearing's lifetime. In our design, loading ability of the bearing more than ball screw, metal fatigueis the main influencing factors, but the different of speedN load、acceleration、working time will also affect its lifetime cycle，so its too hardto accurately calculate .It is a suggestion for estimating to calculate by 90% of the service life as the same screw is running under the same environment.

- Electric cylinder is refueled with lubricating grease GB7324-1994 general lithium base 3 lubricating grease when eaves factory.
- After electric cylinder has run for 300 hours, refill the lubricating grease. Refueling frequency , per 2000hours one time as usual, is determinedon basis of the operating environment and day-to-day operational time.
- Refuelling method: ope the filler hole on the shell of electric cylinder, turn the screw to find the filler hole on the screw nut and refuellubricating grease.
- Requirement for lubricating grease: GB7324-1994 general lithium base 3 lubricating grease



常用伺服电机尺寸表 *Common servo motor size table*

型号 Model	LA	LZ	S	LB	LR	LE	LC
40	46	4-φ3.4	8	30	25	3	40
60	70	4-φ4.5	11/14	50	30	3	60
80	90	4-φ6	19	70	35	3	80
90	100	4-φ6.5	16/19	80	35	3	90
100	115	4-φ9	19	95	55	5	100
110	130	4-φ9	19/22	95	55	5	110
130	145/130	4-φ9	22/24	110	65	6	130
150	165	4-φ11	28/32	130	65	6	150
180	200	4-φ13.5	35/42	114.3	80/115	6	180
190	215	4-φ14	38/42	180	80	6	190
220	235	4-φ14	55	200	110	6	220
250	265	4-φ14	60/65	230	140	6	250
280	300	4-φ18	55/70	250	140	6	280
320	350	4-φ20	80	300	170	6	320

常用步进电机尺寸表 *Common stepper moto size table*

型号 Model	LA	LZ	S	LB	LR	LE	LC
42	43.8	4-M3	5	22	24	2	42.3
57	66.6	4-φ4.6	6.35	38.1	20.6	1.6	56.4
86	98.3	4-φ6.6	12.7/14	73	30	2	86
110	132	4-φ9	16/19	85	35	4	110
130	155	4-φ11	24	100	50	3	132

橡塑设备
Rubber Equipment

电子组装设备
Electronic Assembly Equipment

生产线自动化
Production Line Automation

汽车模具压装备
Auto Mold Pressure Equipment

复卷机
Rewinder

锂电池设备
Lithium battery equipment

娱乐9D设备
Entertainment 9D Equipment

VR娱乐设备
VR Entertainment Devices

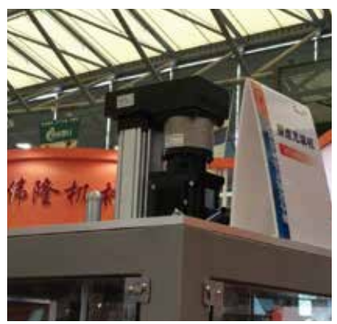
模拟驾驶
Driving Simulation

零件压装备
Pressure Equipment Parts

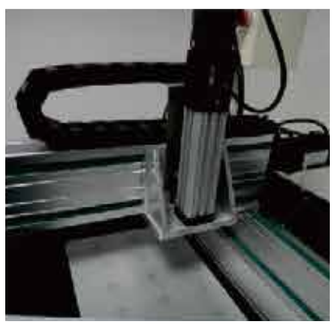
机器人
Robot

手机装配设备
Phone Assembly Equipment

伺服压力机
Servo Presses



整盘充填机
Full Disk Filling Machine



坐标机器人
Coordinates Robot

产生移载机械手
Generating Transfer Robot

生产线组装
Production Line Assembly