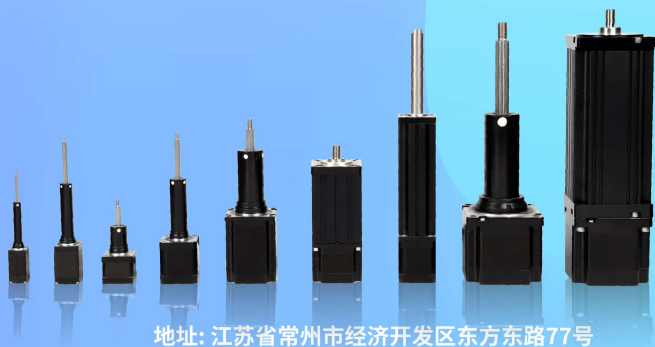


混合式丝杆步进电机
Hybrid Screw Stepper Motor
滚珠丝杆电机
Ball Screw Stepper Motor
固定轴电机
Fixed Shaft Stepper Motor
空心轴步进电机
Hollow Shaft Stepper Motor
旋转步进电机
Rotary Stepper Motor



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常州力精工贸有限公司
ChangZhou PEP Industries Co.,Ltd.



产品目录 Product Catalog



Company Profile

公司简介

力精机电



力精机电专注于微型电机及齿轮箱的研发、生产及应用解决方案。

产品包含：直线步进电机、无刷电机及齿轮箱解决方案。

产品主要应用于医疗设备、实验室仪器仪表、流体控制、半导体及精密电子生产设备、商用机器以及各类工业自动化设备。



RoHS

PEP Motor is specialized in designing and manufacturing electrical motor and gearbox.

Our products include: linear stepper motor, brushless motor and gearbox.

Our products are applied into medical equipment, lab instrument, liquid control, semiconductor production equipment and many kinds of industrial automatic equipment.

综合目录

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03

混合螺杆步进电机 - 20系列

Hybrid Screw Stepper Motor - Frame 20mm



·外形图
Layout



Motor Specification

·丝杆参数

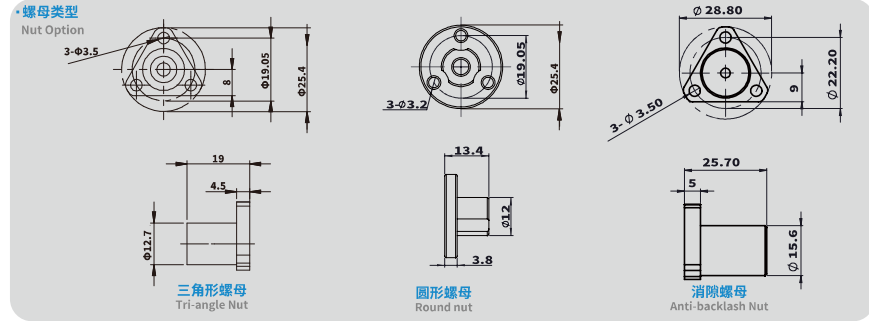
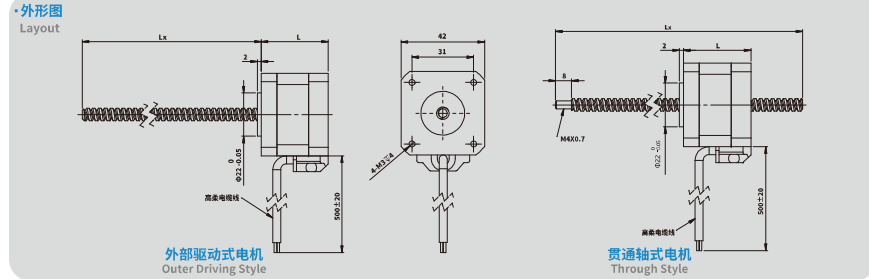
Screw Specification

丝杆类型 Screw Type	直径(mm) Diameter (mm)	导程(mm) Screw Lead (mm)	步长(mm) Angle (°)	推力范围 (N) Push Force (N)	螺母轴向间隙(mm) Axial Clearance (mm)	断电自锁力范围 Power-off Self-Locking Force (N)
S系列英制丝杆 S Series, Inch-system Lead Screw	3.5	0.6096	0.003048	55-18	0.03-0.05	40N
S系列英制丝杆 S Series, Inch-system Lead Screw	3.5	1	0.005	36-14		15N
S系列英制丝杆 S Series, Inch-system Lead Screw	3.5	1.2192	0.006096	30-12		15N
S系列英制丝杆 S Series, Inch-system Lead Screw	3.5	2	0.01	25-8		4-8N
S系列英制丝杆 S Series, Inch-system Lead Screw	3.5	4	0.02	15-4		1-2N

混合丝杆步进电机 - 42系列

Hybrid Screw Stepper Motor - Frame 42mm

相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C~+50°C



·电机参数

Motor Specification

电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻 (Ω) Resistance (Ω)	额定电感 (mH) Rated Inductance (mH)	额定电压 (V) Rated Voltage (V)
42	34mm	0.25	1.5A	1.73Ω	2.6mH	2.595V
	40mm	0.4	1.5A	2.1Ω	4.8mH	3.15V
	48mm	0.5	1.5A	2.4Ω	5mH	3.6V
	60mm	0.7	2.5A	0.95Ω	2.8mH	2.375V
	80mm (贯穿除外)	0.8	2.5A	1.3Ω	3.4mH	3.25V

·丝杆参数

直径 (mm) Diameter (mm)	丝杆直径 (inch) Diameter (inch)	导程 (mm) Screw Lead (mm)	导程 (inch) Screw Lead (inch)	步长 1.8° (°) Angle (°)	螺母轴向间隙 Axial Clearance
6.35	0.25	0.79375	0.0313	0.0040	0.02-0.03mm
6.35	0.25	1	0.0394	0.0050	0.02-0.03mm
6.35	0.25	1.5875	0.0625	0.0079	0.02-0.03mm
6.35	0.25	2	0.0787	0.0100	0.02-0.03mm
6.35	0.25	2.4384	0.0960	0.0122	0.02-0.03mm
6.35	0.25	2.54	0.1000	0.0127	0.02-0.03mm
6.35	0.25	3	0.1181	0.0150	0.02-0.03mm
6.35	0.25	3.175	0.1250	0.0159	0.02-0.03mm
6.35	0.25	5.08	0.2000	0.0254	0.02-0.03mm
6.35	0.25	6.35	0.2500	0.0318	0.02-0.03mm
6.35	0.25	8.4582	0.3330	0.0423	0.02-0.03mm
6.35	0.25	12.7	0.5000	0.0635	0.02-0.03mm
6.35	0.25	25.4	1	0.127	0.02-0.03mm

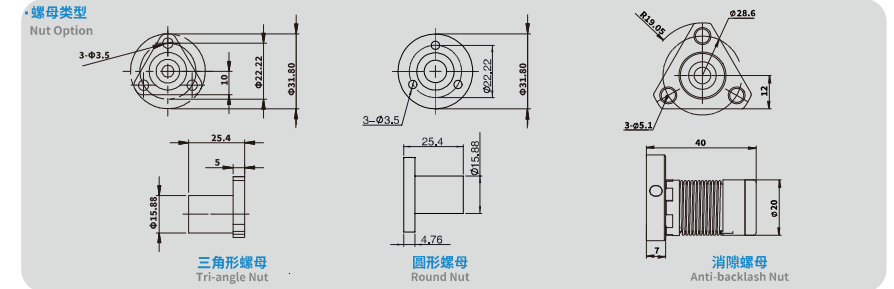
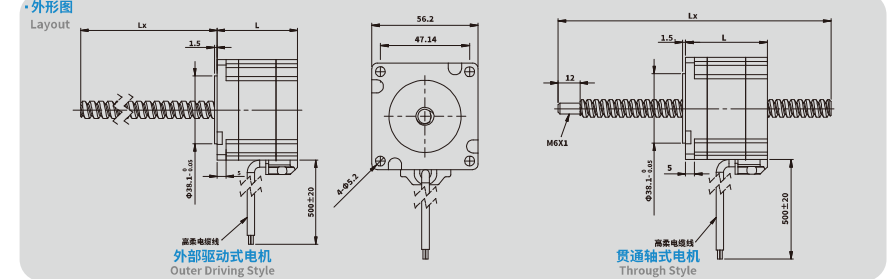
- 螺母、丝杆、轴及电机参数等均可按照贵司要求进行定制。丝杆可选品牌有: KSS, THK, TBI等。

Nut, screw, shaft, motor spec. etc can be designed per your request. Branded screws, KSS / THK / TBI etc, are available.

混合丝杆步进电机 - 57系列

Hybrid Screw Stepper Motor - Frame 57mm

相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C~+50°C



·电机参数

Motor Specification

电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻 (Ω) Resistance (Ω)	额定电感 (mH) Rated Inductance (mH)	额定电压 (V) Rated Voltage (V)
57	45mm	0.7	3A	0.75Ω	0.72mH	2.25V
	55mm	0.9	3A	0.92Ω	4.5mH	2.76V
	65mm	1.5	4A	0.78Ω	3.3mH	3.12V
	75mm	1.8	4A	0.95Ω	4.5mH	3.8V
	84mm	2.2	4A	0.97Ω	7mH	3.88V
	100mm	2.5	5A	0.7Ω	3.2mH	3.5V

·丝杆参数

Screw Specification

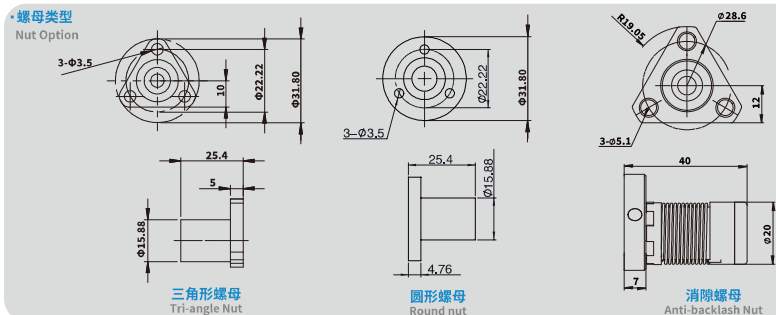
直径 (mm) Diameter (mm)	丝杆直径 (inch) Diameter (inch)	导程 (mm) Screw Lead (mm)	导程 (inch) Screw Lead (inch)	步长 (mm) Angle (°)	螺母轴向间隙 Axial Clearance
9.525	0.375	0.635	0.025	0.003175	0.02-0.03mm
9.525	0.375	1.27	0.05	0.00635	0.02-0.03mm
9.525	0.375	1.5875	0.0625	0.0079375	0.02-0.03mm
9.525	0.375	2.1167	0.083	0.0105835	0.02-0.03mm
9.525	0.375	2.54	0.1	0.0127	0.02-0.03mm
9.525	0.375	3.175	0.125	0.015875	0.02-0.03mm
9.525	0.375	4.232	0.167	0.02116	0.02-0.03mm
9.525	0.375	5.08	0.2	0.0254	0.02-0.03mm
9.525	0.375	6.35	0.25	0.03175	0.02-0.03mm
9.525	0.375	9.525	0.375	0.047625	0.02-0.03mm
9.525	0.375	10.16	0.4	0.0508	0.02-0.03mm
9.525	0.375	12.7	0.5	0.0635	0.02-0.03mm
9.525	0.375	25.4	1	0.127	0.02-0.03mm

- 有推力曲线可提供; 并可配套刹车、齿轮箱等。请联系您的销售代表。

Force curve, brake, gearbox are available. Please contact us freely.

The image displays four different types of actuators. From left to right: a small black rotary actuator with a long metal shaft; a black rotary actuator with a black output shaft; a black rotary actuator with a long metal shaft; and a larger, silver-colored pneumatic cylinder with a black end cap and a metal shaft.

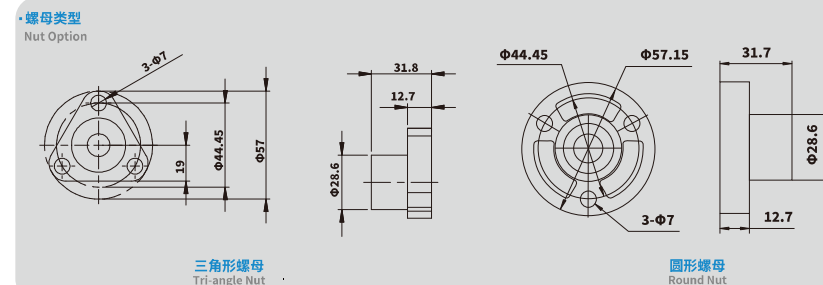
相数Phase	2	绝缘等级Insulation Class	B (130℃)	IP等级 IPClass	40
步距角精度Angle Tolerance	±5%	运行环境温度Circumstance	-20℃~+50℃		



电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻(Ω) Resistance (Ω)	额定电感(mH) Rated Inductance (mH)	额定电压(V) Rated Voltage (V)
60	55mm	1.5	5A	0.42Ω	1.3mH	2.1V
	65mm	2	5A	0.49Ω	1.65mH	2.45V
	75mm	2.5	5A	0.56Ω	1.98mH	2.8V
	84mm(贯穿除外)	3	5A	1.07Ω	2.3mH	4.28V
	100mm(贯穿除外)	4	5A	0.8Ω	3.23mH	4V

直径(mm) Diameter (mm)	丝杆直径(inch) Diameter (inch)	导程(mm) Screw Lead (mm)	导程(inch) Screw Lead (inch)	步长(mm) Angle ()	螺母轴向间隙 Axial Clearance
9.525	0.375	0.635	0.025	0.003175	0.02-0.03mm
9.525	0.375	1.27	0.05	0.00635	0.02-0.03mm
9.525	0.375	1.5875	0.0625	0.0079375	0.02-0.03mm
9.525	0.375	2.1167	0.083	0.0105835	0.02-0.03mm
9.525	0.375	2.54	0.1	0.0127	0.02-0.03mm
9.525	0.375	3.175	0.125	0.015875	0.02-0.03mm
9.525	0.375	4.232	0.167	0.02116	0.02-0.03mm
9.525	0.375	5.08	0.2	0.0254	0.02-0.03mm
9.525	0.375	6.35	0.25	0.03175	0.02-0.03mm
9.525	0.375	9.525	0.375	0.047625	0.02-0.03mm
9.525	0.375	10.16	0.4	0.0508	0.02-0.03mm
9.525	0.375	12.7	0.5	0.0635	0.02-0.03mm
9.525	0.375	25.4	1	0.127	0.02-0.03mm

相数Phase	2	绝缘等级Insulation Class	B (130°C)	IP等级 IPClass	40
步距角精度Angle Tolerance	±5%	运行环境温度Circumstance	-20°C~+50°C		



电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻(Ω) Resistance (Ω)	额定电感(mH) Rated Inductance (mH)	额定电压(V) Rated Voltage (V)
86	76mm	4.5	6A	0.5Ω	5.6mH	3V
	114mm	8.5	6A	0.79Ω	10mH	4.74V

直径(mm) Diameter (mm)	丝杆直径(inch) Diameter (inch)	导程(mm) Screw Lead (mm)	导程(inch) Screw Lead (inch)	步长(mm) Angle (°)	螺母轴向间隙 Axial Clearance
15.875	15.875	2.54	0.1	0.0005	0.02-0.03mm
15.875	15.875	3.175	0.125	0.0006	0.02-0.03mm
15.875	15.875	5.08	0.2	0.0010	0.02-0.03mm
15.875	15.875	6.35	0.25	0.0013	0.02-0.03mm
15.875	15.875	12.7	0.5	0.0025	0.02-0.03mm
15.875	15.875	25.4	1	0.0050	0.02-0.03mm

- 有推力曲线可提供; 并可配套刹车、齿轮箱等。请联系您的销售代表。
Force curve, brake, gearbox are available. Please contact us freely.

Hybrid Screw Stepper Motor - Frame 86mm
混合螺杆步进电机 - 86系列

滚珠丝杆步进电机 - 35系列

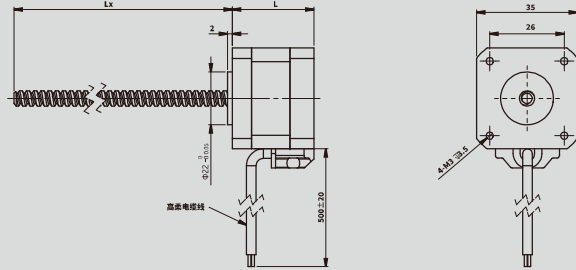
Ball Screw Stepper Motor - Frame 35mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C ~ +50°C

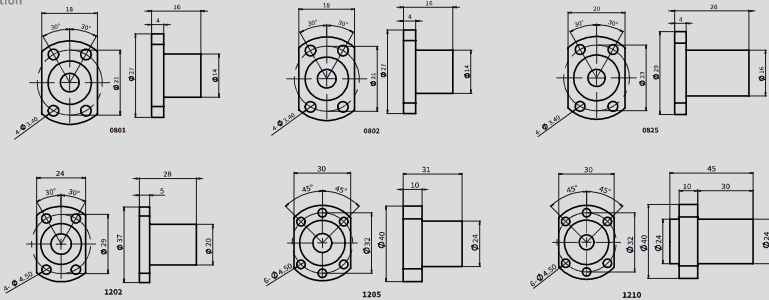
外形图

Layout



螺母类型

Nut Option



电机参数

Motor Specification

电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻(Ω) Resistance (Ω)	额定电感(mH) Rated Inductance (mH)	额定电压(V) Rated Voltage (V)
35	34mm	0.14	1A	2.3Ω	3.6mH	2.3V
	47mm	0.35	1.5A	1.7Ω	2.7mH	2.55V

丝杆参数

Screw Specification

丝杆代码 Code	丝杆直径(mm) Dia. (mm)	导程(mm) Screw Lead (mm)	铸造级滚珠丝杆最大轴向间隙 Clearance, Casting	精度等级 Precision Class
0801	8	1	0.02	C7
0802	8	2	0.02	C7
0825	8	2.5	0.02	C7
0805	8	5	0.02	C7
0808	8	8	0.02	C7
0810	8	10	0.02	C7
0812	8	12	0.02	C7
1202	12	2	0.02	C7
1204	12	4	0.02	C7
1205	12	5	0.02	C7
1210	12	10	0.02	C7
1220	12	20	0.02	C7

- 螺母、丝杆、轴及电机参数等均可按照贵司要求进行定制。丝杆可选品牌有: KSS, THK, TBI等。
Nut, screw, shaft, motor spec. etc can be designed per your request. Branded screws, KSS / THK / TBI etc, are available.

滚珠丝杆步进电机 - 42系列

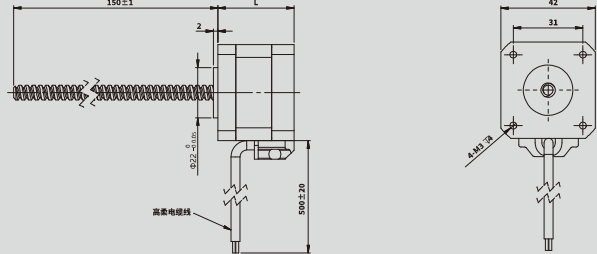
Ball Screw Stepper Motor - Frame 42mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C ~ +50°C

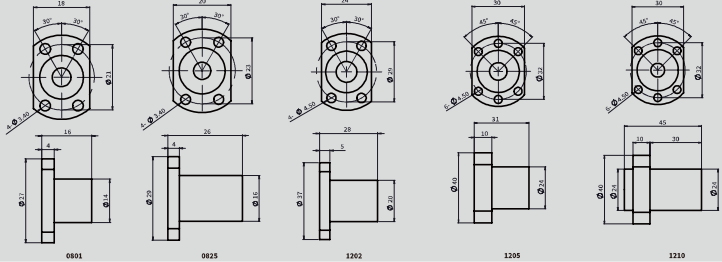
外形图

Layout



螺母类型

Nut Option



电机参数

Motor Specification

电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻(Ω) Resistance (Ω)	额定电感(mH) Rated Inductance (mH)	额定电压(V) Rated Voltage (V)
42	34mm	0.25	1.5A	1.73Ω	2.6mH	2.595V
	40mm	0.4	1.5A	2.1Ω	4.8mH	3.15V
	48mm	0.5	1.5A	2.4Ω	5mH	3.6V
	60mm	0.7	2.5A	0.95Ω	2.8mH	2.375V
	80mm (贯穿除外)	0.9	2.5A	1.3Ω	3.4mH	3.25V

丝杆参数

Screw Specification

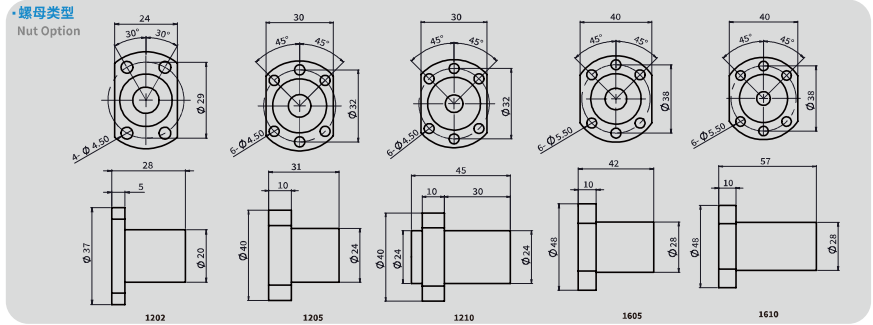
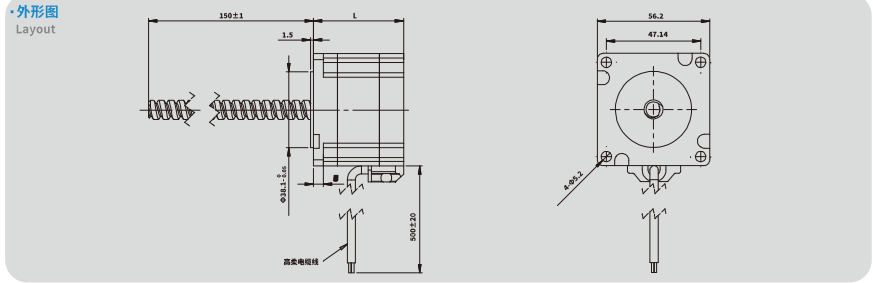
丝杆代码 Code	丝杆直径(mm) Dia. (mm)	导程(mm) Screw Lead (mm)	铸造级滚珠丝杆最大轴向间隙 Clearance, Casting	精度等级 Precision Class
0801	8	1	0.02	C7
0802	8	2	0.02	C7
8025	8	2.5	0.02	C7
0805	8	5	0.02	C7
0808	8	8	0.02	C7
1202	12	2	0.02	C7
1204	12	4	0.02	C7
1205	12	5	0.02	C7
1210	12	10	0.02	C7

- 有推力曲线可提供; 并可配套刹车、齿轮箱等。请联系您的销售代表。
Force curve, brake, gearbox are available. Please contact us freely.

滚珠丝杆步进电机 - 57系列

Ball Screw Stepper Motor - Frame 57mm

相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C~ +50°C



·电机参数 Motor Specification

电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻 (Ω) Resistance (Ω)	额定电感(mH) Rated Inductance (mH)	额定电压(V) Rated Voltage (V)
57	45mm	0.7	3A	0.75Ω	2.3mH	2.25V
	55mm	0.9	3A	0.92Ω	4.5mH	2.76V
	65mm	1.5	4A	0.78Ω	3.3mH	3.12V
	75mm	1.8	4A	0.95Ω	4.5mH	3.8V
	84mm(贯穿除外)	2.2	4A	0.97Ω	6.4mH	3.88V
	100mm(贯穿除外)	2.5	5A	0.7Ω	3.6mH	3.5V

·丝杆参数 Screw Specification

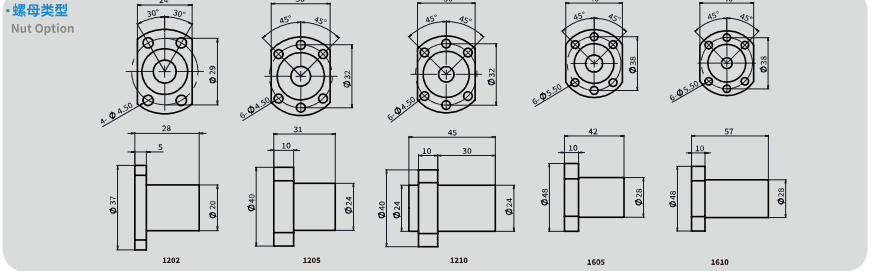
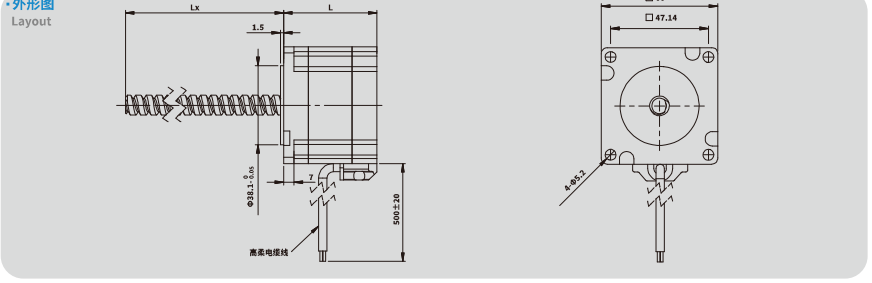
丝杆代码 Code	丝杆直径(mm) Dia. (mm)	导程(mm) Screw Lead (mm)	铸造级滚珠丝杆最大轴向间隙 Clearance, Casting	精度等级 Precision Class
1202	12	2	0.02	C7
1204	12	4	0.02	C7
1205	12	5	0.02	C7
1210	12	10	0.02	C7
1605	16	5	0.02	C7
1610	16	10	0.02	C7
1620	16	20	0.02	C7

- 螺母、丝杆、轴及电机参数等均可按照贵司要求进行定制。丝杆可选品牌有: KSS, THK, TBI等。
Nut, screw, shaft, motor spec. etc can be designed per your request. Branded screws, KSS / THK / TBI etc, are available.

滚珠丝杆步进电机 - 60系列

Ball Screw Stepper Motor - Frame 60 mm

相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C~ +50°C



·电机参数 Motor Specification

电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻 (Ω) Resistance (Ω)	额定电感(mH) Rated Inductance (mH)	额定电压(V) Rated Voltage (V)
60	55mm	1.5	5A	0.57Ω	1.3mH	2.1V
	65mm	2	5A	0.49Ω	1.65mH	2.45V
	75mm	2.5	5A	0.56Ω	1.98mH	2.8V
	84mm	3	5A	1.07Ω	2.3mH	4.28V
	100mm	4	5A	0.8Ω	3.23mH	4V

·丝杆参数 Screw Specification

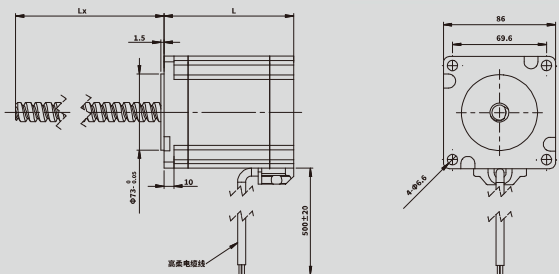
丝杆代码 Code	丝杆直径(mm) Dia. (mm)	导程(mm) Screw Lead (mm)	铸造级滚珠丝杆最大轴向间隙 Clearance, Casting	精度等级 Precision Class	研磨级滚珠丝杆最大轴向间隙 Clearance, Grinding	精度等级 Precision Class
1202	12	2	0.02	C7	0.01	C5
1204	12	4	0.02	C7	0.01	C5
1205	12	5	0.02	C7	0.01	C5
1210	12	10	0.02	C7	0.01	C5
1220	12	20	0.02	C7	0.01	C5
1605	16	5	0.02	C7	0.01	C5
1610	16	10	0.02	C7	0.01	C5
1620	16	20	0.02	C7	0.01	C5

- 有推力曲线可提供; 并可配套刹车、齿轮箱等。请联系您的销售代表。
Force curve, brake, gearbox are available. Please contact us freely.

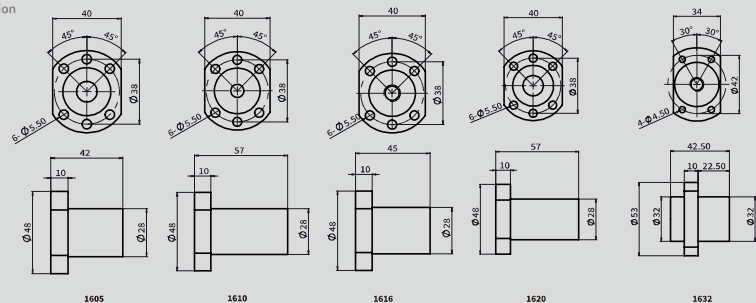
滚珠螺杆步进电机 - 86系列



· 外形图
Layout



Nut Option



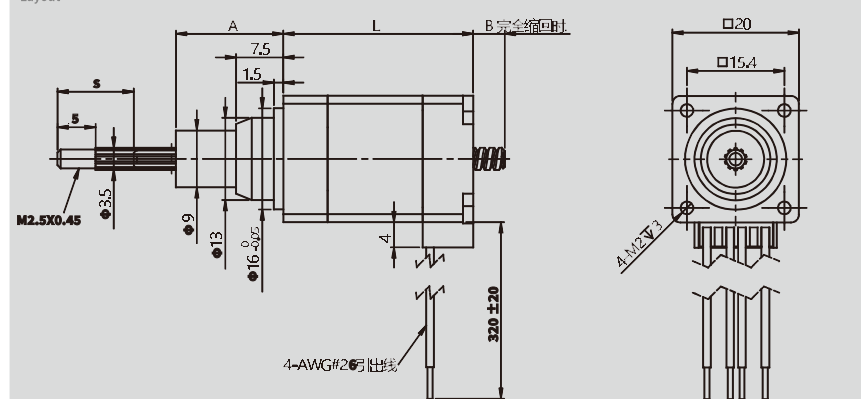
Motor Specification

Screw Specification

丝杆代码 Code	丝杆直径(mm) Dia. (mm)	导程(mm) Screw Lead (mm)	铸造滚珠丝杆最大轴向间隙 Clearance, Casting	精度等级 Precision Class
1605	16	5	0.02	C7
1610	16	10	0.02	C7
1616	16	16	0.02	C7
1620	16	20	0.02	C7
1632	16	32	0.02	C7

固定轴步进电机 - 20系列

· 外形图



备注：丝杆选择参照贯穿式电机选型
Screw choice for this type can be same as through type.

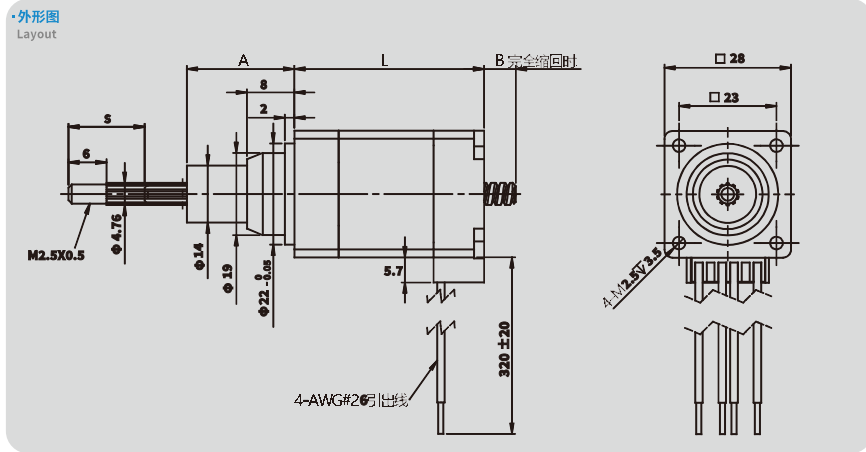
Fixed Shaft Stepper Motor - Frame 20mm
固定轴步进电机 - 20系列

固定轴步进电机 - 28系列

Fixed Shaft Stepper Motor - Frame 28mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance $\pm 5\%$ 运行环境温度Circumstance $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$



行程 S (mm) Stroke	尺寸 A (mm) Dimension A	尺寸 B (mm) Dimension B		
		L=34	L=45	L=51
12.7	17.75	0.7	0	0
19.1	24.1	7.05	0	0
25.4	30.45	13.4	2.4	0
31.8	36.8	19.75	8.75	2.75
38.1	43.15	26.1	15.1	9.1
50.8	55.85	38.8	27.8	21.8
63.5	68.55	51.5	40.5	34.5

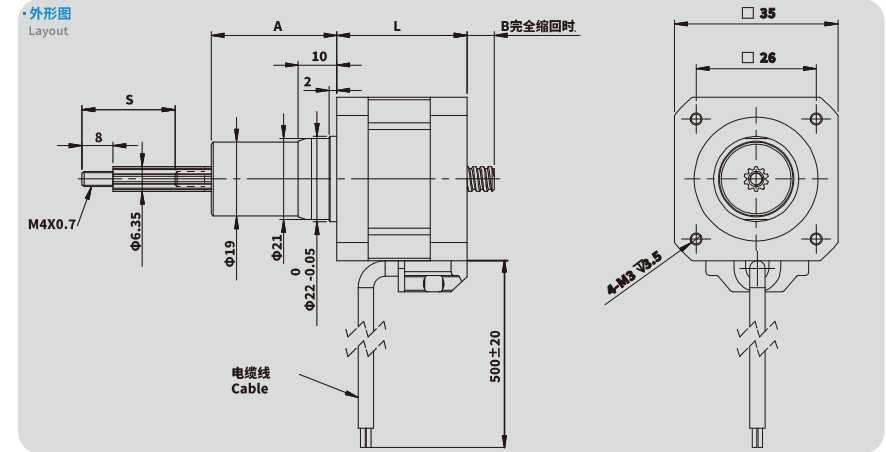
备注：丝杆选择参照贯穿式电机选型
Screw choice for this type can be same as through type.

固定轴步进电机 - 35系列

Fixed Shaft Stepper Motor - Frame 35mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance $\pm 5\%$ 运行环境温度Circumstance $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$



行程 S (mm) Stroke	尺寸 A (mm) Dimension A	尺寸 B (mm) Dimension B	
		L=34	L=47
12.7	18.2	5.6	0
19.1	24.55	11.95	1.95
25.4	30.9	18.3	8.3
31.8	37.25	24.65	14.65
38.1	43.6	31	21
50.8	56.3	43.7	33.7
63.5	69	56.4	46.4

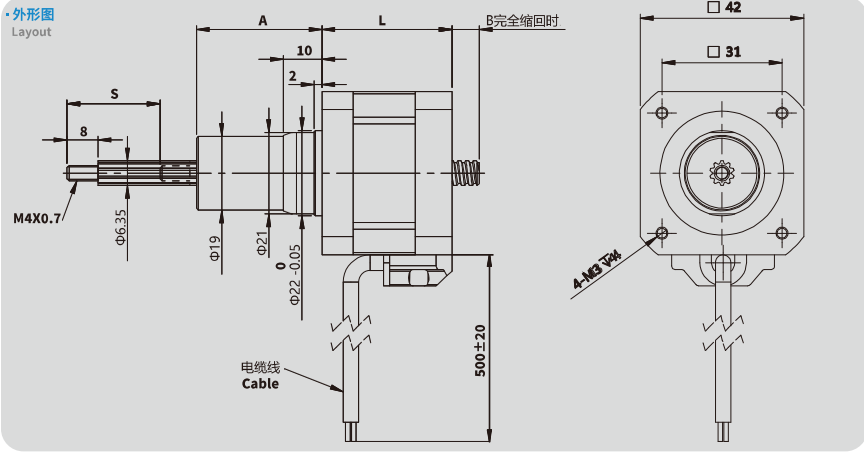
备注：丝杆选择参照贯穿式电机选型
Screw choice for this type can be same as through type.

固定轴步进电机 - 42系列

Fixed Shaft Stepper Motor - Frame 42mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C~+50°C



行程 S (mm) Stroke	尺寸 A (mm) Dimension A	尺寸 B (mm) Dimension B			
		L=34	L=40	L=48	L=60
12.7	18.2	6.6	0.6	0	0
19.1	24.55	12.95	6.95	0	0
25.4	30.9	19.3	13.3	5.3	0
31.8	37.25	25.65	19.65	11.65	0
38.1	43.6	32	26	18	6
50.8	56.3	44.7	38.7	30.7	18.7
63.5	69	57.4	51.4	43.4	31.4

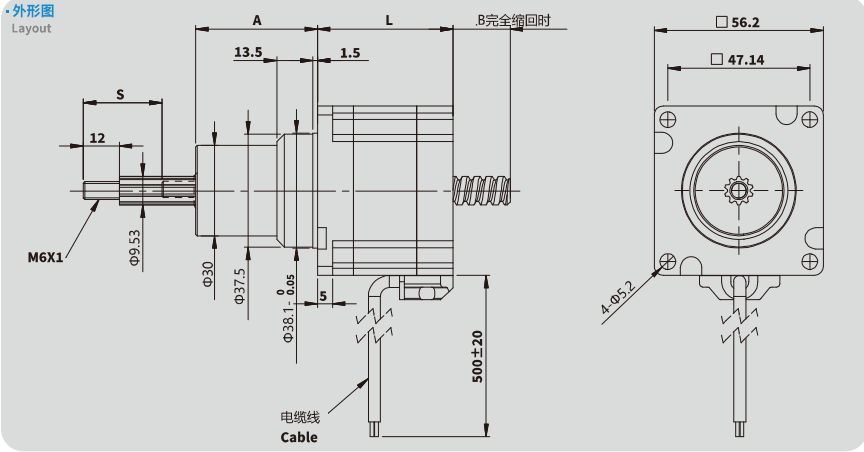
备注：丝杆选择参照贯穿式电机选型
Screw choice for this type can be same as through type.

固定轴步进电机 - 57系列

Fixed Shaft Stepper Motor - Frame 57mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C~+50°C



行程 S (mm) Stroke	尺寸 A (mm) Dimension A	尺寸 B (mm) Dimension B			
		L=45	L=55	L=65	L=75
12.7	20.55	2.45	0	0	0
19.1	26.9	8.8	0	0	0
25.4	33.25	15.15	5.15	0	0
31.8	39.6	21.5	11.5	1.5	0
38.1	45.95	27.85	17.85	7.85	0
50.8	52.3	40.55	30.55	20.55	10.55
63.5	58.65	53.25	43.25	33.25	23.25

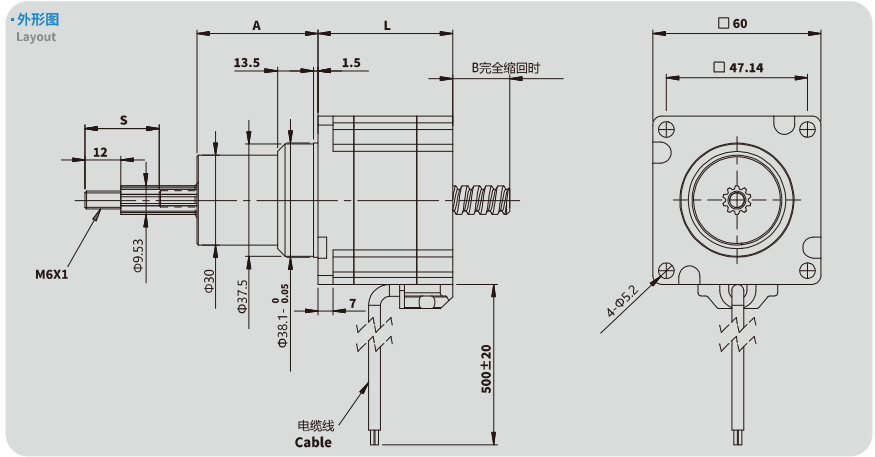
备注：丝杆选择参照贯穿式电机选型
Screw choice for this type can be same as through type.

固定轴步进电机 - 60系列

Fixed Shaft Stepper Motor - Frame 60mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C ~ +50°C



行程 S (mm) Stroke	尺寸 A (mm) Dimension A	尺寸 B (mm) Dimension B			
		L=45	L=55	L=65	L=75
12.7	24.1	0.6	0	0	0
19.1	30.5	7	0	0	0
25.4	36.8	13.3	4.3	0	0
31.8	43.2	19.7	10.7	0	0
38.1	49.5	26	17	6	0
50.8	62.2	38.7	29.7	18.7	8.7
63.5	74.9	51.4	42.4	31.4	21.4

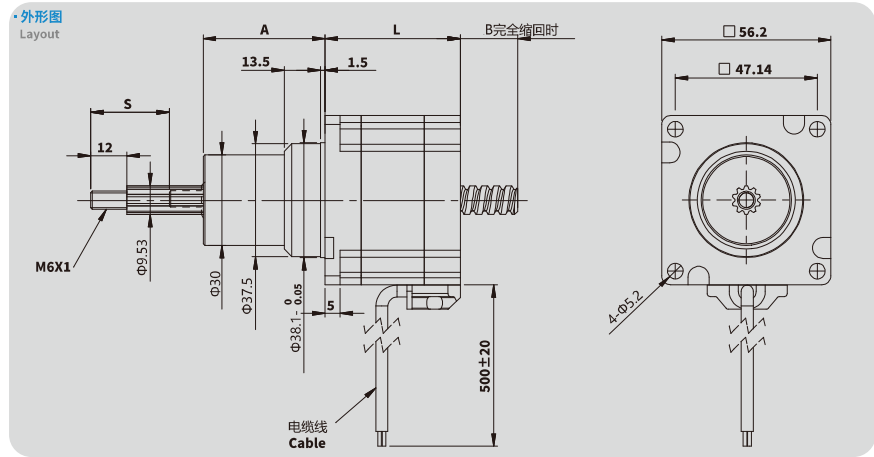
备注：丝杆选择参照贯穿式电机选型
Screw choice for this type can be same as through type.

固定轴步进电机 - 86系列

Fixed Shaft Stepper Motor - Frame 86mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C ~ +50°C



行程 S (mm) Stroke	尺寸 A (mm) Dimension A	尺寸 B (mm) Dimension B	
		L=76	L=114
12.7	23.7	0	0
19.1	30.05	0	0
25.4	36.4	6.3	0
31.8	42.75	12.65	0
38.1	49.1	19	0
50.8	61.8	31.7	0
63.5	74.5	44.4	6.4
100	111	91.9	53.9

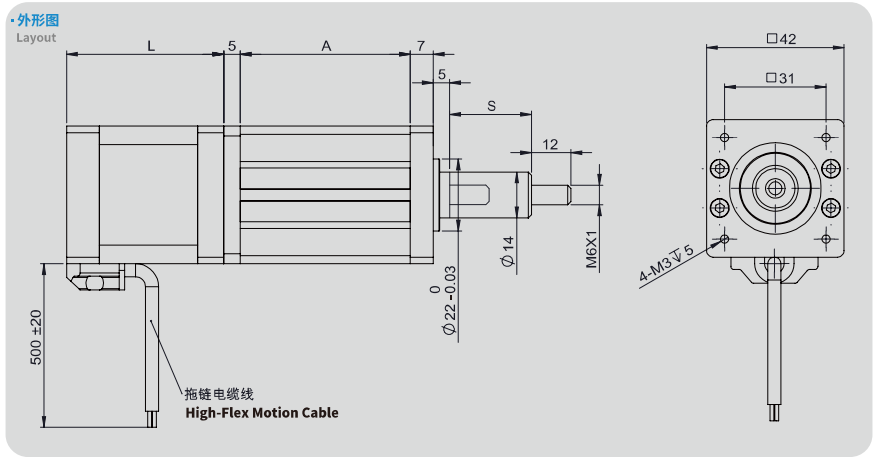
备注：丝杆选择参照贯穿式电机选型
Screw choice for this type can be same as through type.

固定轴步进电机 - 42系列电动缸

Fixed Shaft Stepper Motor - Cylinder 42mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C~ +50°C



行程 S (mm) Stroke	尺寸 A (mm) Dimension A
25	52
50	77
75	102
100	127
125	152
150	177
175	202
200	227
225	252
250	277
300	327
400	427
500	527

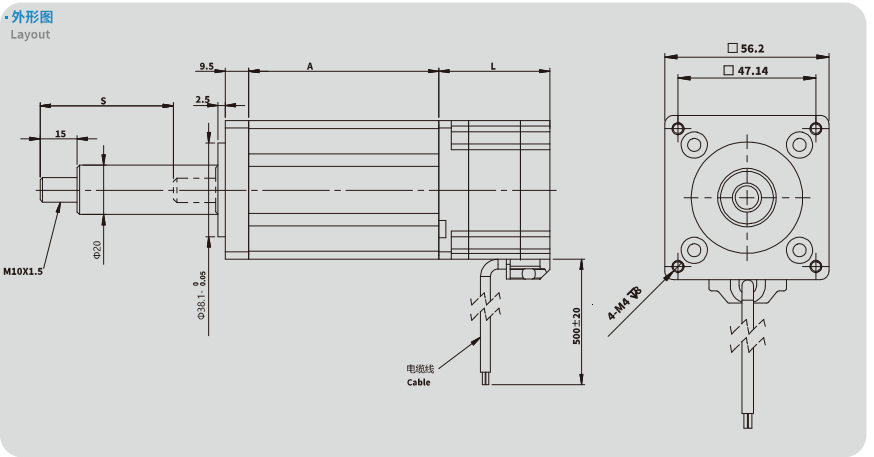
备注：丝杆选择参照贯穿式电机选型
Screw choice for this type can be same as through type.

固定轴步进电机 - 57系列电动缸

Fixed Shaft Stepper Motor - Cylinder 57mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C~ +50°C



行程 S (mm) Stroke	尺寸 A (mm) Dimension A
25	52
50	77
75	102
100	127
125	152
150	177
175	202
200	227
225	252
250	277
300	327
400	427
500	527

备注：丝杆选择参照贯穿式电机选型
Screw choice for this type can be same as through type.

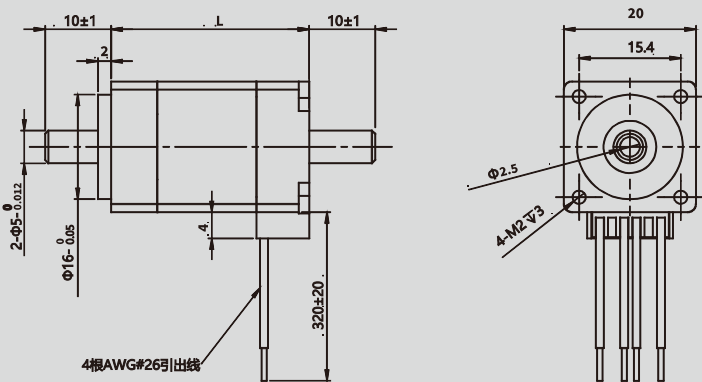
空心轴步进电机 - 20系列

Hollow Shaft Stepper Motor - Frame 20mm



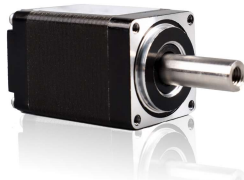
相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C~ +50°C

外形图
Layout



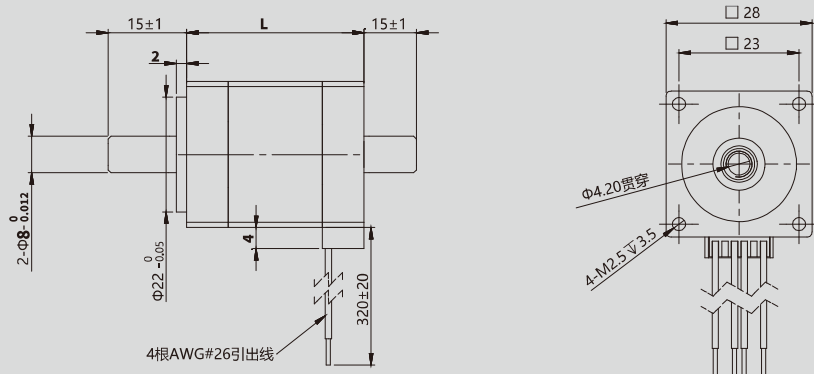
空心轴步进电机 - 28系列

Hollow Shaft Stepper Motor - Frame 28mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C~ +50°C

外形图
Layout



电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻 (Ω) Resistance (Ω)	额定电感(mH) Rated Inductance (mH)	额定电压(V) Rated Voltage (V)
20	28mm	0.015N.m	0.5A	4.9Ω	1.7mH	2.45V
	38mm	0.02N.m	0.5A	11Ω	2mH	5.5V

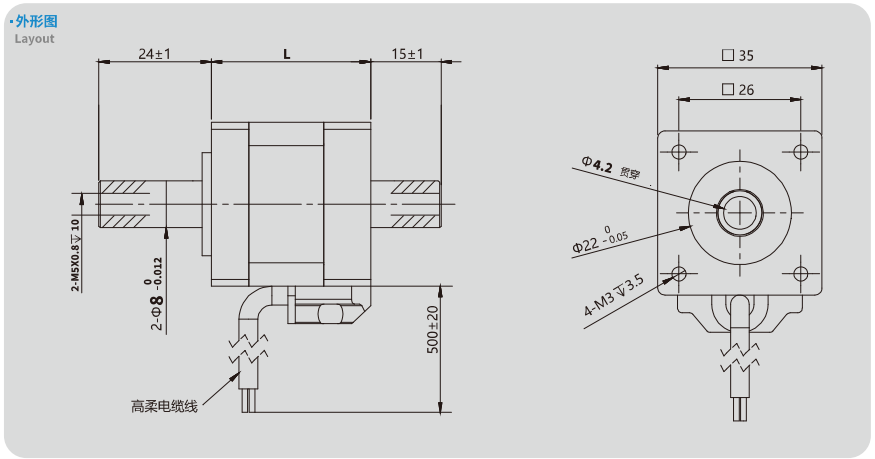
电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻 (Ω) Resistance (Ω)	额定电感(mH) Rated Inductance (mH)	额定电压(V) Rated Voltage (V)
28	34mm	0.06	1A	2.1Ω	1.4mH	2.1V
	45mm	0.012	1A	3Ω	2.3mH	3V
	51mm	0.018	1A	3.5Ω	3mH	3.5V

空心轴步进电机 - 35系列

Hollow Shaft Stepper Motor - Frame 35mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C ~ +50°C



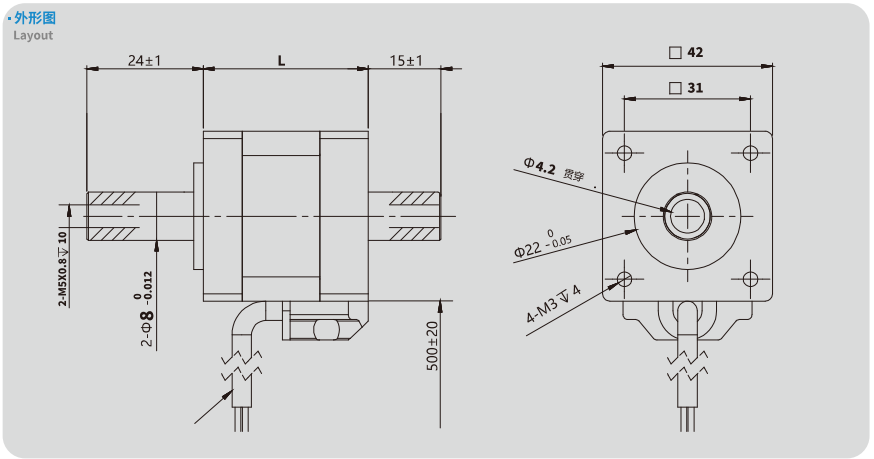
电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻(Ω) Resistance (Ω)	额定电感(mH) Rated Inductance (mH)	额定电压(V) Rated Voltage (V)
35	34mm	0.14	1A	2.3Ω	3.6mH	2.3V
	47mm	0.35	1.5A	1.35Ω	1.85mH	2V

空心轴步进电机 - 42系列

Hollow Shaft Stepper Motor - Frame 42mm



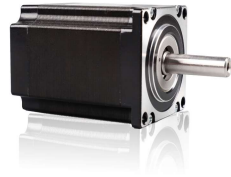
相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C ~ +50°C



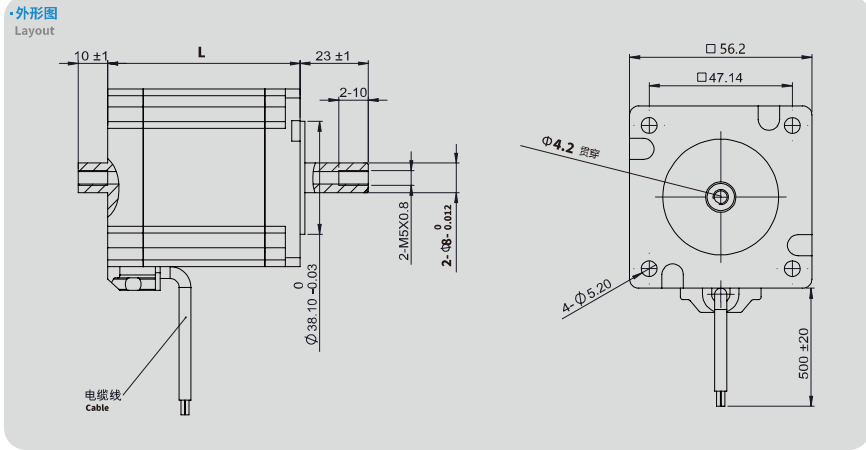
电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻(Ω) Resistance (Ω)	额定电感(mH) Rated Inductance (mH)	额定电压(V) Rated Voltage (V)
42	34mm	0.25	1.5A	1.73Ω	2.6mH	2.595V
	40mm	0.4	1.5A	2.1Ω	4.8mH	3.15V
	48mm	0.5	1.5A	2.4Ω	5mH	3.6V
	60mm	0.7	2.5A	0.95Ω	2.8mH	2.375V
	80mm	0.8	2.5A	1.3Ω	3.4mH	3.25V

空心轴步进电机 - 57系列

Hollow Shaft Stepper Motor - Frame 57mm



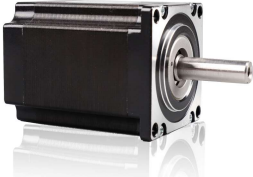
相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C ~ +50°C



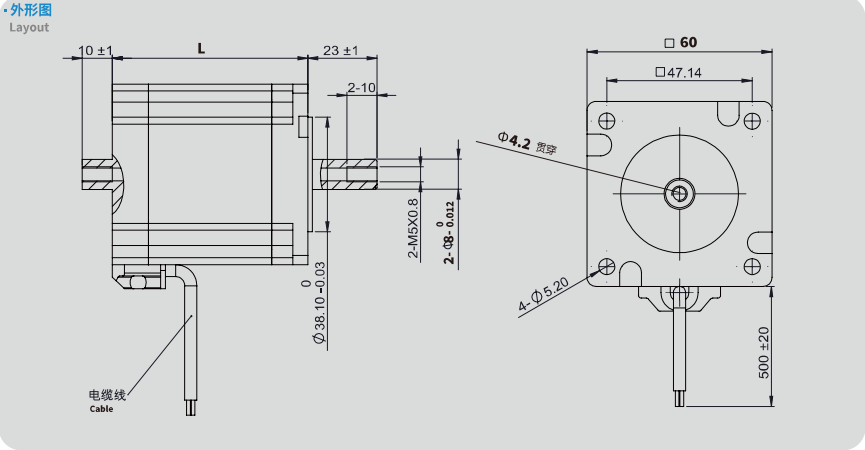
电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻 (Ω) Resistance (Ω)	额定电感 (mH) Rated Inductance (mH)	额定电压 (V) Rated Voltage (V)
57	45mm	0.7	3A	0.75Ω	0.72mH	2.25V
	55mm	0.9	3A	0.92Ω	4.5mH	2.76V
	65mm	1.5	4A	0.78Ω	3.3mH	3.12V
	75mm	1.8	4A	0.95Ω	4.5mH	3.8V
	84mm	2.2	4A	0.97Ω	7mH	3.88V

空心轴步进电机 - 60系列

Hollow Shaft Stepper Motor - Frame 60mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C ~ +50°C



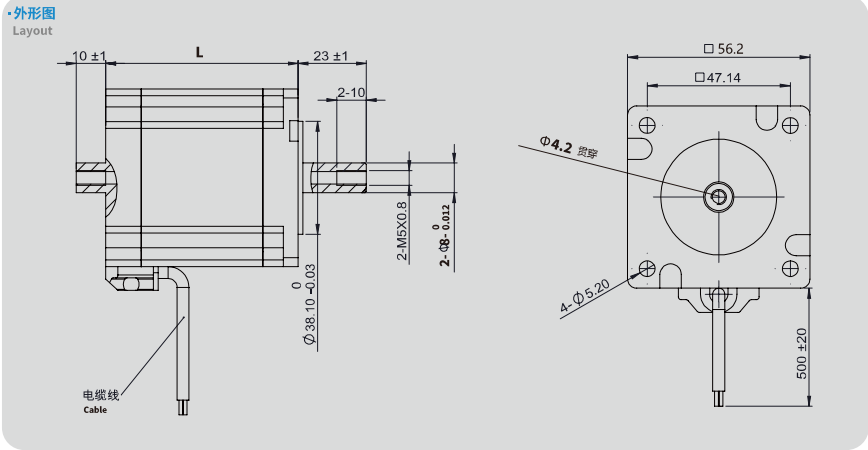
电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻 (Ω) Resistance (Ω)	额定电感 (mH) Rated Inductance (mH)	额定电压 (V) Rated Voltage (V)
60	55mm	1.5	5A	0.42Ω	1.3mH	2.1V
	65mm	2	5A	0.49Ω	1.65mH	2.45V
	75mm	2.5	5A	0.56Ω	1.98mH	2.8V
	84mm	3	5A	1.07Ω	2.3mH	4.28V

空心轴步进电机 - 86系列

Hollow Shaft Stepper Motor - Frame 57mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C~ +50°C



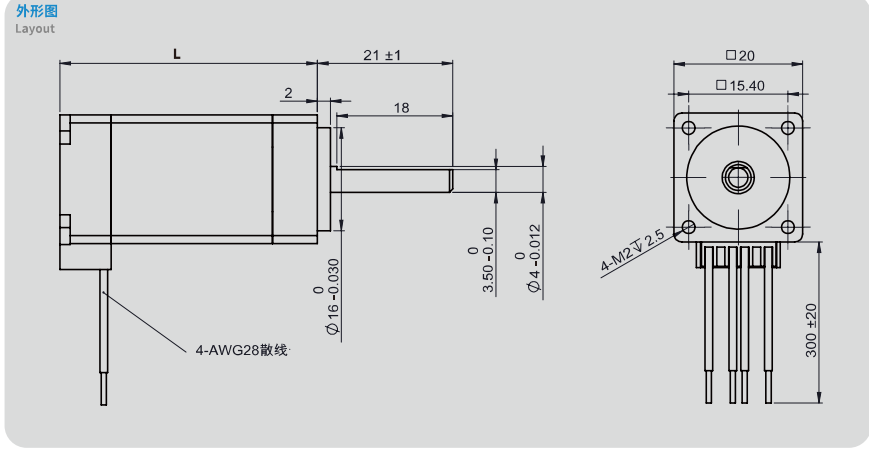
电机类型 Series	机身L (mm) Length (L, mm)	保持力矩 (N.m) Holding Torque (N.m)	额定电流 (A) Rated Current (A)	电阻(Ω) Resistance (Ω)	额定电感(mH) Rated Inductance (mH)	额定电压(V) Rated Voltage (V)
57	45mm	0.7	3A	0.75Ω	0.72mH	2.25V
	55mm	0.9	3A	0.92Ω	4.5mH	2.76V
	65mm	1.5	4A	0.78Ω	3.3mH	3.12V
	75mm	1.8	4A	0.95Ω	4.5mH	3.8V
	84mm	2.2	4A	0.97Ω	7mH	3.88V

旋转步进电机 - 20系列

Rotary Stepper Motor - Frame 20mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C~ +50°C



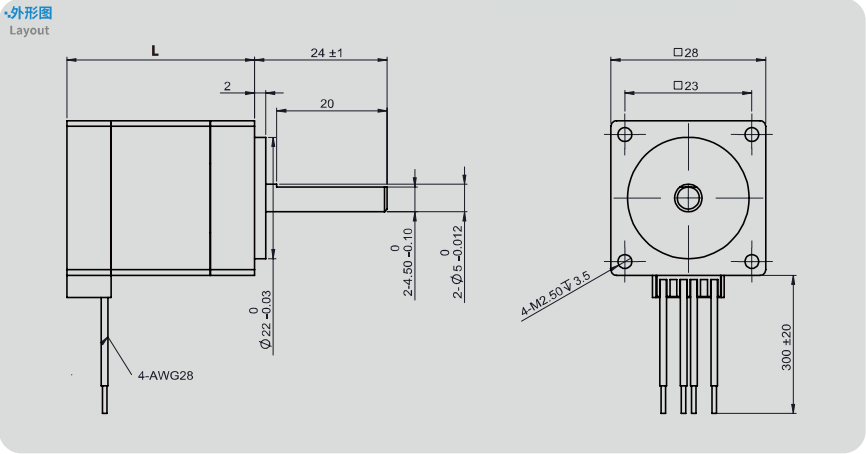
电机类型 Motor Type	保持力矩(N.m) Holding Torque	机身L (mm) Length	轴径 (mm) Shaft Diameter	额定电流 (A) Rated Current	相电感(mH) Phase Inductance	相电压(V) Phase Voltage	电阻(Ω) Resistance	转子惯量(g·cm²) Rotor Inertia
20	0.015N.m	30mm	4mm	0.5A	1.7mH	2.45V	4.9Ω	2g·cm²
	0.03N.m	42mm	4mm	0.5A	2.9mH	4.5V	8.6Ω	3.6g·cm²

旋转步进电机 - 28系列

Rotary Stepper Motor - Frame 28mm



相数Phase 2 绝缘等级Insulation Class B (130℃) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20℃~ +50℃



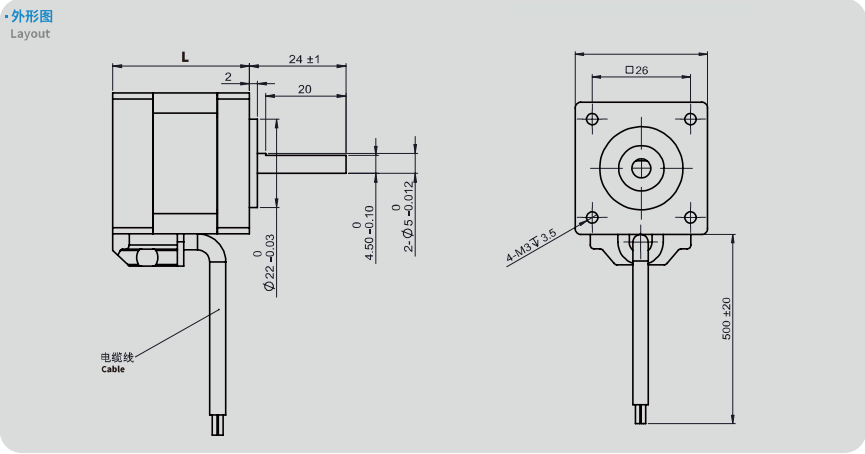
电机类型 Motor Type	保持力矩(N.m) Holding Torque	机身L (mm) Length	轴径 (mm) Shaft Diameter	额定电流 (A) Rated Current	相电感(mH) Phase Inductance	相电压(V) Phase Voltage	电阻(Ω) Resistance	转子惯量(g·cm²) Rotor Inertia
28	0.06N.m	34mm	5mm	1A	1.4mH	2.1V	2.1Ω	9g·cm²
	0.12N.m	45mm	5mm	1A	2.3mH	2.9V	2.9Ω	13g·cm²
	0.18N.m	51mm	5mm	1A	3mH	3.5V	3.5Ω	17g·cm²

旋转步进电机 - 35系列

Rotary Stepper Motor - Frame 35mm



相数Phase 2 绝缘等级Insulation Class B (130℃) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20℃~ +50℃



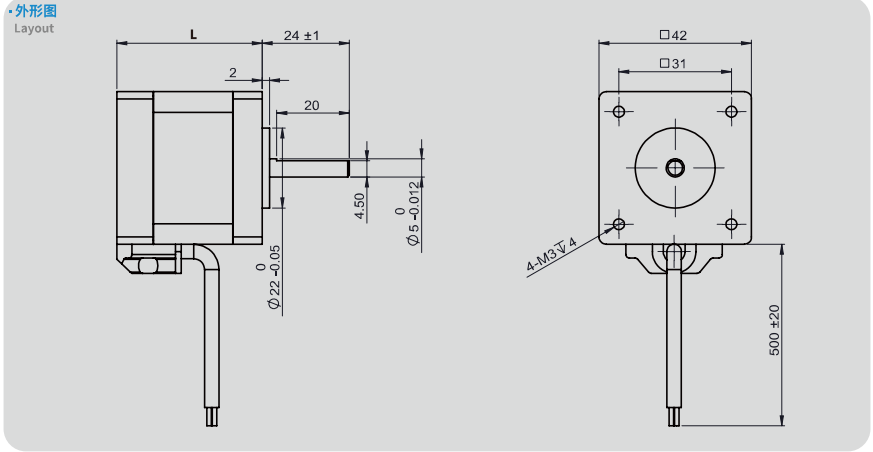
电机类型 Motor Type	保持力矩(N.m) Holding Torque	机身L (mm) Length	轴径 (mm) Shaft Diameter	额定电流 (A) Rated Current	相电感(mH) Phase Inductance	相电压(V) Phase Voltage	电阻(Ω) Resistance	转子惯量(g·cm²) Rotor Inertia
35	0.14N.m	34mm	5mm	1.5A	1.8mH	1.4V	1.23Ω	20g·cm²
	0.2N.m	47mm	5mm	1.5A	2.9mH	3.2V	1.9Ω	30g·cm²

旋转步进电机 - 42系列

Rotary Stepper Motor - Frame 42mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ± 5% 运行环境温度Circumstance -20°C ~ +50°C



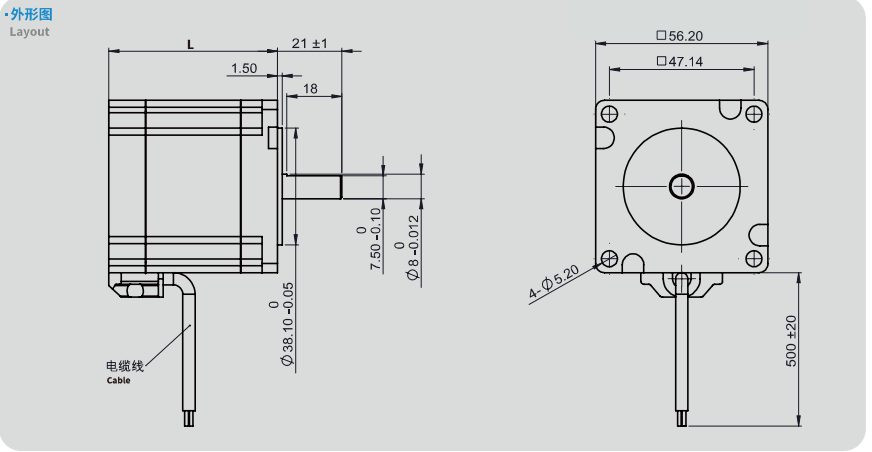
电机类型 Motor Type	保持力矩(N.m) Holding Torque	机身L (mm) Length	轴径 (mm) Shaft Diameter	额定电流 (A) Rated Current	相电感(mH) Phase Inductance	相电压(V) Phase Voltage	电阻(Ω) Resistance	转子惯量(g·cm²) Rotor Inertia
42	0.22N.m	34mm	5mm	1.5A	2.8mH	2.6V	1.8Ω	35g·cm²
	0.35N.m	40mm	5mm	1.5A	4.6mH	3.3V	2.2Ω	55g·cm²
	0.5N.m	48mm	5mm	2.5A	1.8mH	2V	0.8Ω	70g·cm²
	0.6N.m	60mm	5mm	2.5A	2.8mH	2.5V	1Ω	105g·cm²
	0.9N.m	80mm	8mm	2.5A	3.4mH	3.25V	1.3Ω	135g·cm²

旋转步进电机 - 57系列

Rotary Stepper Motor - Frame 57mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ± 5% 运行环境温度Circumstance -20°C ~ +50°C



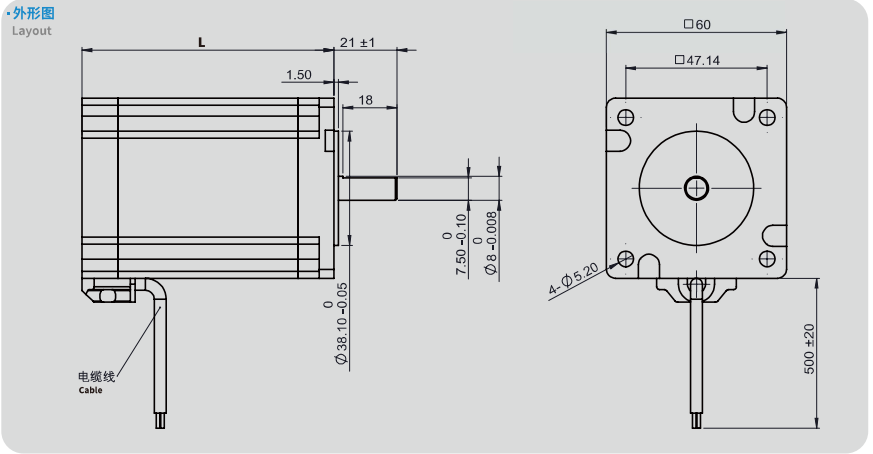
电机类型 Motor Type	保持力矩(N.m) Holding Torque	机身L (mm) Length	轴径 (mm) Shaft Diameter	额定电流 (A) Rated Current	相电感(mH) Phase Inductance	相电压(V) Phase Voltage	电阻(Ω) Resistance	转子惯量(g·cm²) Rotor Inertia
57	0.7N.m	45mm	8mm	3A	1.9mH	2.1V	0.71Ω	150g·cm²
	1N.m	55mm	8mm	3A	2.6mH	2.6V	0.86Ω	300g·cm²
	1.5N.m	65mm	8mm	4A	3.2mH	3V	0.76Ω	400g·cm²
	1.8N.m	75mm	8mm	4A	4.5mH	3.6V	0.9Ω	480g·cm²
	2N.m	80mm	8mm	4A	5.8mH	3.9V	0.97Ω	500g·cm²
	2.2N.m	84mm	8mm	4A	7mH	4.1V	1.02Ω	530g·cm²
	2.5N.m	100mm	8mm	5A	3.2mH	3.8V	0.75Ω	700g·cm²
	3N.m	112mm	8mm	5A	4.6mH	4.1V	0.81Ω	800g·cm²

旋转步进电机 - 60系列

Rotary Stepper Motor - Frame 60mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C~ +50°C

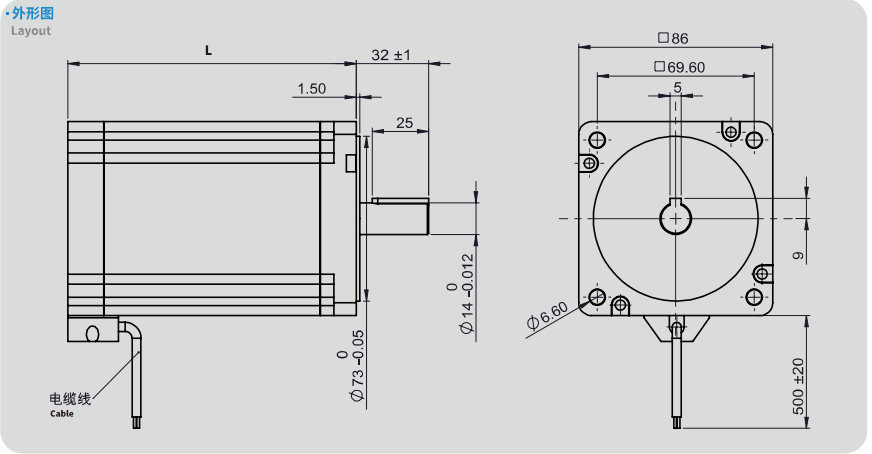


旋转步进电机 - 86系列

Rotary Stepper Motor - Frame 86mm



相数Phase 2 绝缘等级Insulation Class B (130°C) IP等级 IPClass 40
步距角精度Angle Tolerance ±5% 运行环境温度Circumstance -20°C~ +50°C



电机类型 Motor Type	保持力矩(N.m) Holding Torque	机身L (mm) Length	轴径 (mm) Shaft Diameter	额定电流 (A) Rated Current	相电感(mH) Phase Inductance	相电压(V) Phase Voltage	电阻(Ω) Resistance	转子惯量(g·cm²) Rotor Inertia
60	1.5N.m	55mm	8mm	5A	1.3mH	2.1V	0.42Ω	340g·cm²
	2.5N.m	75mm	8mm	5A	1.98mH	2.9V	0.57Ω	590g·cm²
	3N.m	84mm	8mm	5A	2.3mH	3.2V	0.64Ω	690g·cm²
	3.6N.m	100mm	8mm	5A	2.83mH	3.7V	0.74Ω	850g·cm²
	4N.m	112mm	8mm	5A	3.23mH	4.1V	0.81Ω	960g·cm²

电机类型 Motor Type	保持力矩(N.m) Holding Torque	机身L (mm) Length	轴径 (mm) Shaft Diameter	额定电流 (A) Rated Current	相电感(mH) Phase Inductance	相电压(V) Phase Voltage	电阻(Ω) Resistance	转子惯量(g·cm²) Rotor Inertia
86	4N.m	76mm	14mm	6A	4mH	3.0V	0.5Ω	1300g·cm²
	7N.m	98mm	14mm	6A	5.4mH	3.36V	0.56Ω	2100g·cm²
	8N.m	114mm	14mm	6A	8mH	3.6V	0.6Ω	2500g·cm²
	9N.m	128mm	14mm	6A	9mH	4.2V	0.7Ω	3200g·cm²
	12N.m	152mm	14mm	6A	11.5mH	6V	1Ω	4000g·cm²