

PRODUCTS

Hybrid Stepper Motor

2 phase 0.9 degree

3 phase 1.2 degree

2 Phase 1.8 degree

Hybrid Linear Stepper Motor

Nema 14 non-captive stepper motor

Nema 16 non-captive stepper motor

Nema 17 non-captive stepper motor

Nema 23 non-captive stepper motor

Nema 14 external stepper motor

Nema 16 external stepper motor

Nema 17 external stepper motor

Nema 23 external stepper motor

Hybrid Reduction Gearbox Stepper Motor

Nema 11 +gearbox

Nema 17 +gearbox

Nema 23 +gearbox

PM Stepper Motor

NEMA 17 STEPPER MOTOR



Nema 17 Stepper Motor

Model: 42SHD0217-24B

Brand name : Causn

Holding torque: 450mN.m

Step angle: 1.8 degree

Phase: 2 phase

Voltage: 3.75v

Current: 1.5A

Drive Method: 2-2 phase

Motor length: 40 mm

Certification: CE / ROHS

Resistance: 5.0 ohms

Characteristics :
1. small volume
2. high frequency
3. smooth running

[Inquire Online](#)

Product Information

Brief introduction of nema 17 stepper motor

1. Nema 17 Stepper Motor is the most popular in hybrid stepper motor family with 2 wiring :direct cables and cable with connector.
2. It also can be distinguish with the 0.9 degree and 1.8 degree, unipolar stepper motor and bipolar stepper motor .
3. These motors are generally used in variety of applications. Prototyping machine, 3d printer , linear actuators, precision telescope etc

Model	Holding torque	Rated current	Resistance per phase	Inductance per phase	Detent torque	Rotor inertia	Lead wire	Motor length
	mN.m	A	Ω	mH	mN.m	g.cm ²	No.	mm
42SHD0512	200	0.7	12	15	7.5	20	4	26
42SHD0001	260	0.4	30	37	12	38	4	34
42SHD0002	280	0.6	22	28	12	38	4	
42SHD0009	200	0.4	30	21	12	38	6	
42SHD0029	200	1.2	2.1	1.2	12	38	6	
42SHD0202	400	0.5	25	50	18	57	4	40
42SHD0216	400	1.0	4.5	10	18	57	4	
42SHD0219	300	1.2	3.2	3.0	18	57	6	
42SHD0404	450	1.5	2.0	2.8	37	72	4	48
42SHD0441	420	1.2	3.2	6	37	72	4	
42SHD0801	600	1.5	2.0	3.2	42	102	4	60

Message board

Please leave your information or inquiries, we will promptly contact you, thank you!

Please fill in your name

Please fill in your email

Send



NEMA14 non captive

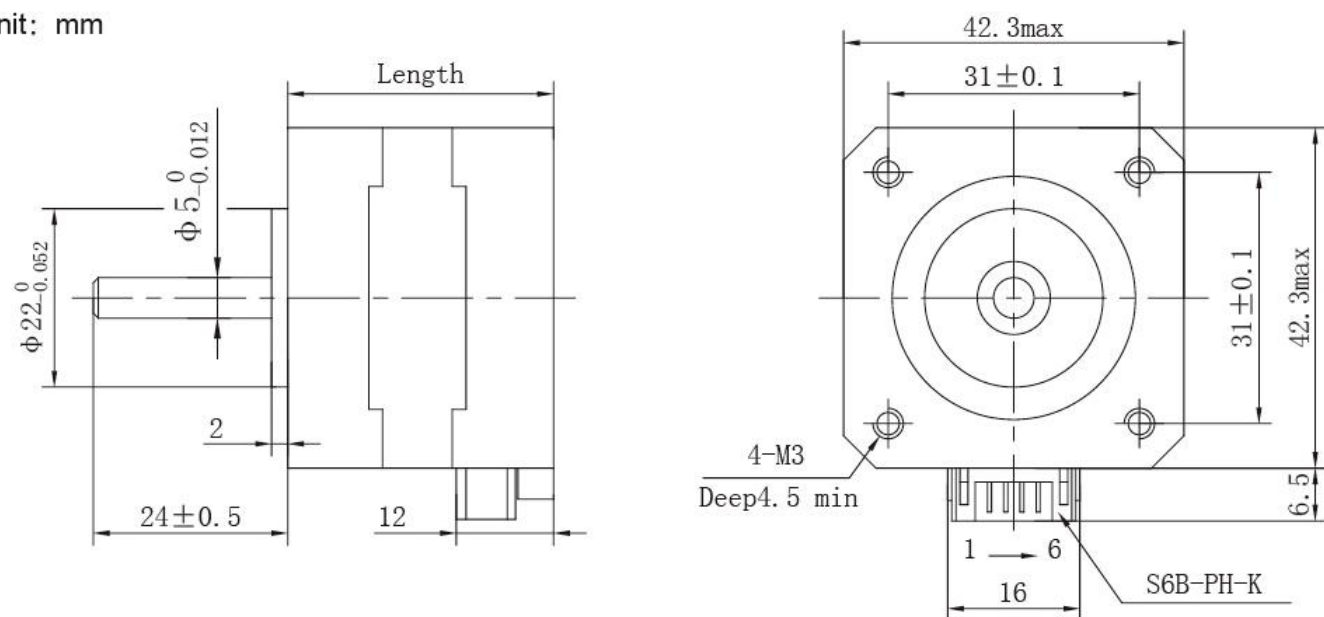




NEMA14 non captive

Figure dimensions

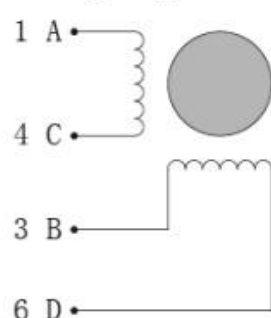
unit: mm



Wiring diagram & Stepping sequence

Bi-polar

Wiring diagram



Stepping sequence

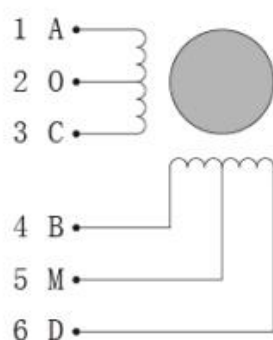
Bi-polar full step

PHASE STEP	A	B	C	D
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

电机旋转方向以出轴安装面为参考面

Uni-polar

Wiring diagram



Stepping sequence

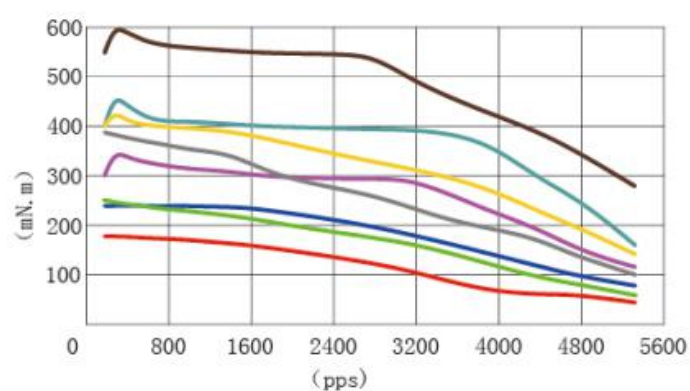
Uni-polar full step

PHASE STEP	A	B	C	D	O	M
1	-	-			+	+
2		-	-		+	+
3			-	-	+	+
4	-			-	+	+

Dynamic torque curves

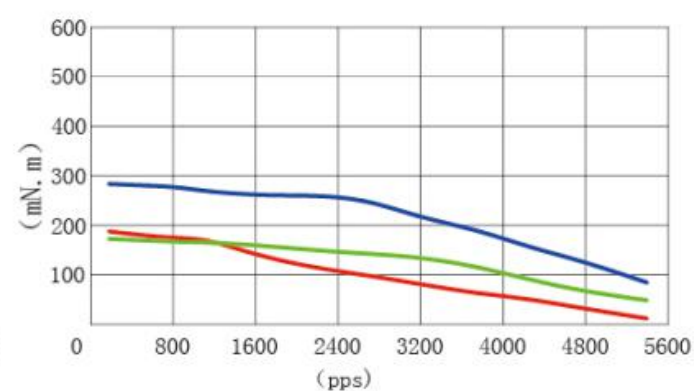
VM: 24VDC; Driver: 2H422; Full step

42SHD0512, 42SHD0001, 42SHD0002, 42SHD0202, 42SHD0216, 42SHD0404, 42SHD0441, 42SHD0801



VM: 24VDC; Driver: 2H6422; Full step

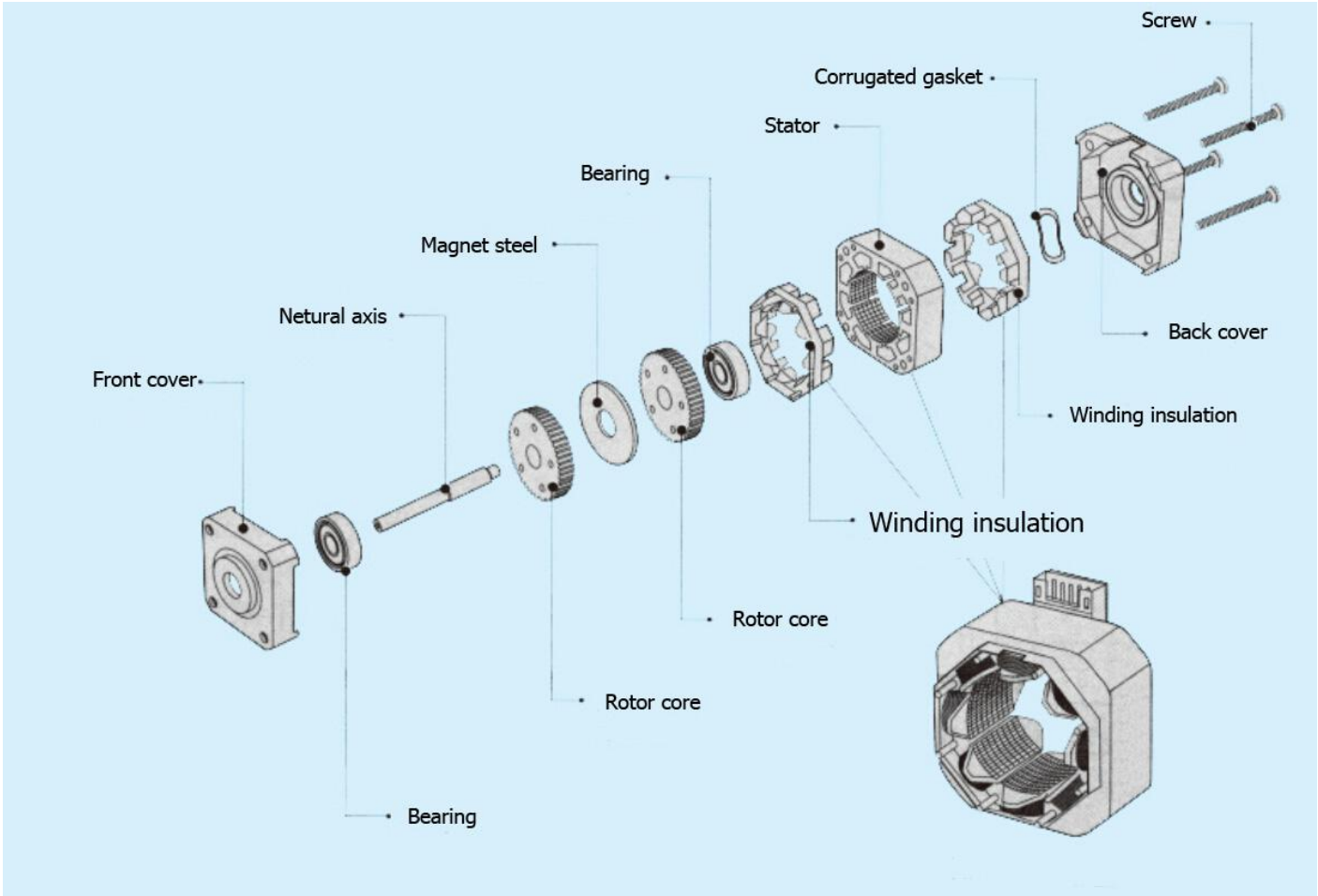
42SHD0009, 42SHD0029, 42SHD0219



The motor can be customized as customer's requirements.

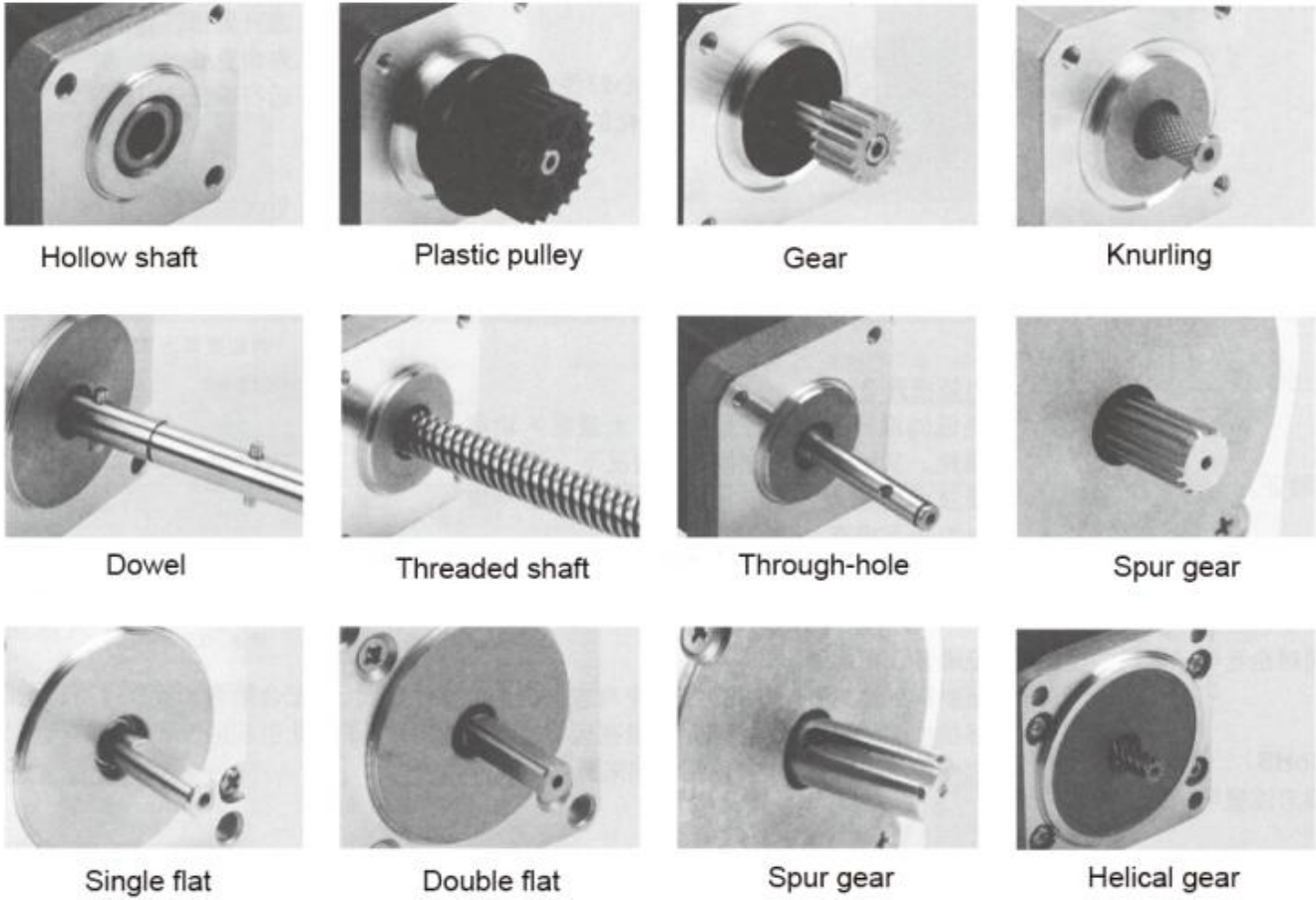
Fundamental Structure



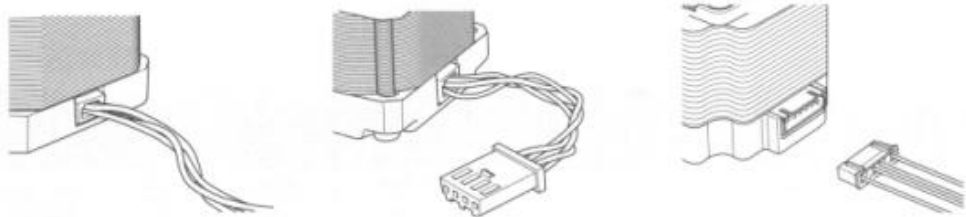


Axial Options

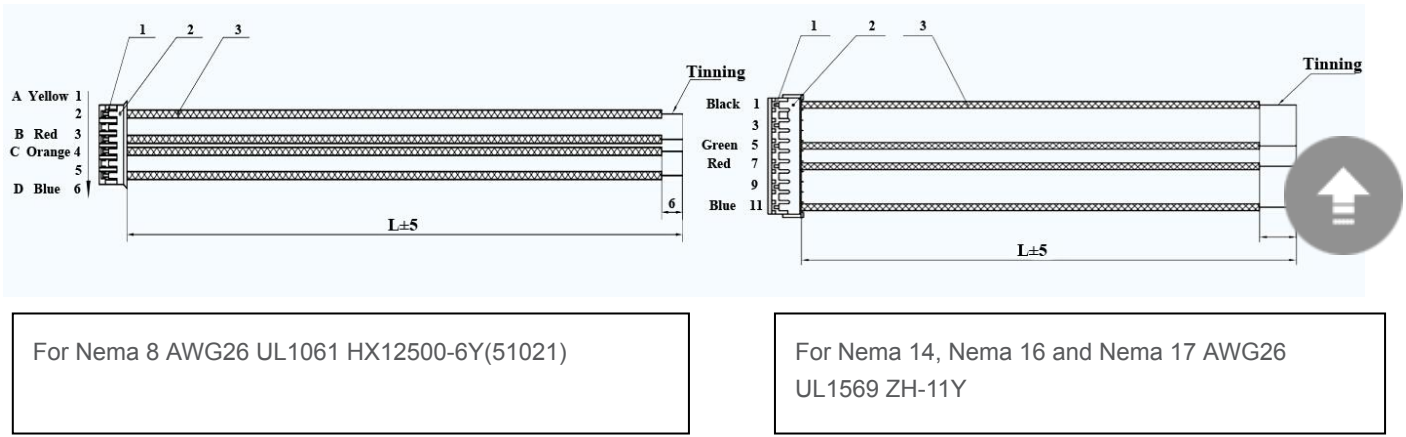
Axial Options

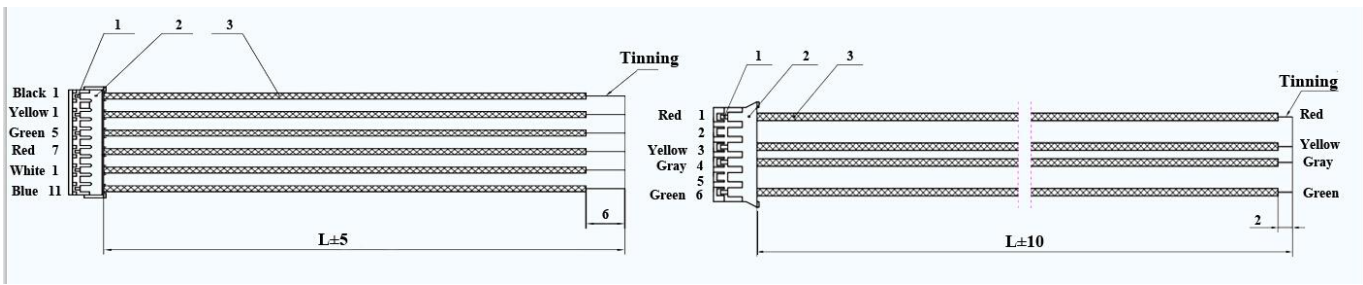


Wire Options



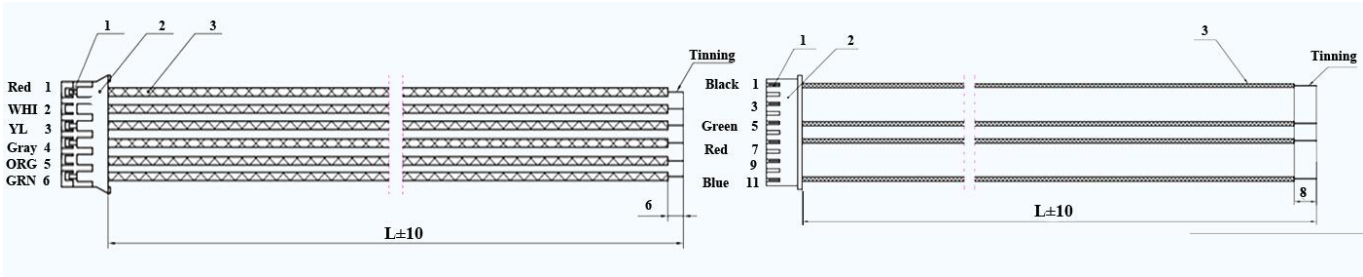
Lead wire & cables





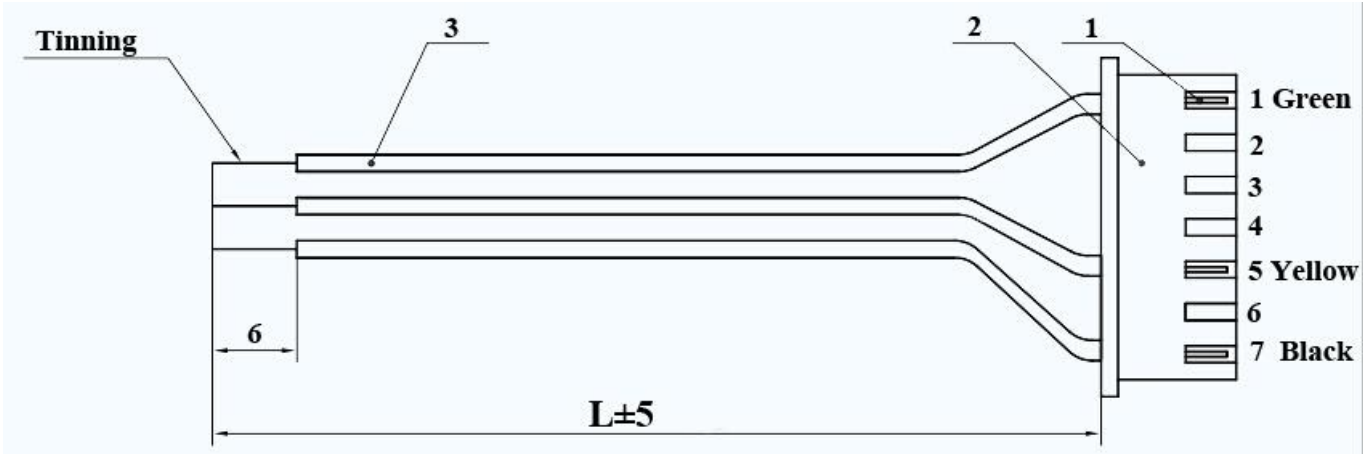
For Nema 14, Nema 16 and Nema 17 AWG26 UL1569 ZH-11Y

For Nema 14, Nema 16 and Nema 17 AWG26 UL1007 PH-6Y



For Nema 14, Nema 16 and Nema 17 AWG26 UL1569 PH-6Y

For Nema 23 AWG22 UL1007 TJC3-11Y





For Nema 24 AWG26 UL1569 TJC3-7Y

Product Advantage

- 1. high quality materials, high precision
Made of high quality material, especially the double magnet steel; work with low noise low temperature; exact step angle
- 2. Wide range of application
Suitable for 3d printer ,stage light, sewing machine, cnc machine. Widely used, convenient to you and me.
- 3. Cheap price, High cost-effective
Perfectly good materials combined with high technology , handling every detail perfect, without leaving a trace of regret, high-quality give you quality assurance.

Application

			
Stage light	3d printer	Sewing machine	Robot
			

			
Medical Equipment	CNC machine	Engraving machine	Packing machine

Mechanical Components



Packing and shipment

1. carton box with foam inside
2. can be customized
3. Delivery: About 7~15 days after receiving your payment.



Packing

We pack the stepper motors with the national professional standard package, in order to ensure our products safety. Our order for each product and stepper motor will be strict and careful

Business terms:

Accepted Delivery Terms:	FOB, CFR, CIF, EXW, Express Delivery
Accepted Payment Currency:	USD, CNY
Accepted Payment Type:	T/T, Money Gram, PayPal, Western Union, Cash, Escrow
Nearest Port:	Huangpu, Guangzhou, Shenzhen



If you have any questions, please feel free to contact me.

Prev Next

Messages

Name:

E-mail:

Content:

Submit


Bruce Kramer
I am using the 42shd000124b stepper motors to run my laser engraver DIY machine. My issue is the motors do not move my axis, the just spin on the belt. Is the an adjustment needed ? or are these not enough torque for this process? Thank You
2017-07-31

Franky
Could you please tell me what kind of threaded rod in NEMA 17 42SHD0217-24B? Thank you :)
2017-05-27


Administrator
Hello We will send you email via email. My email : casun7@casun.mobi , please check . Thank you .
2017-06-24

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Related Products




Nema 8 Stepper Motor



Nema 8 Stepper Motor



Nema 11 Stepper Motor



Nema 14 Stepper Motor

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