

[Home](#) > [Products](#) > [Hybrid Stepper Motor](#) > [2 Phases Hybrid Stepper Motor](#)[Products](#)

42BYGHW Stepper Motor

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Description

Introduction

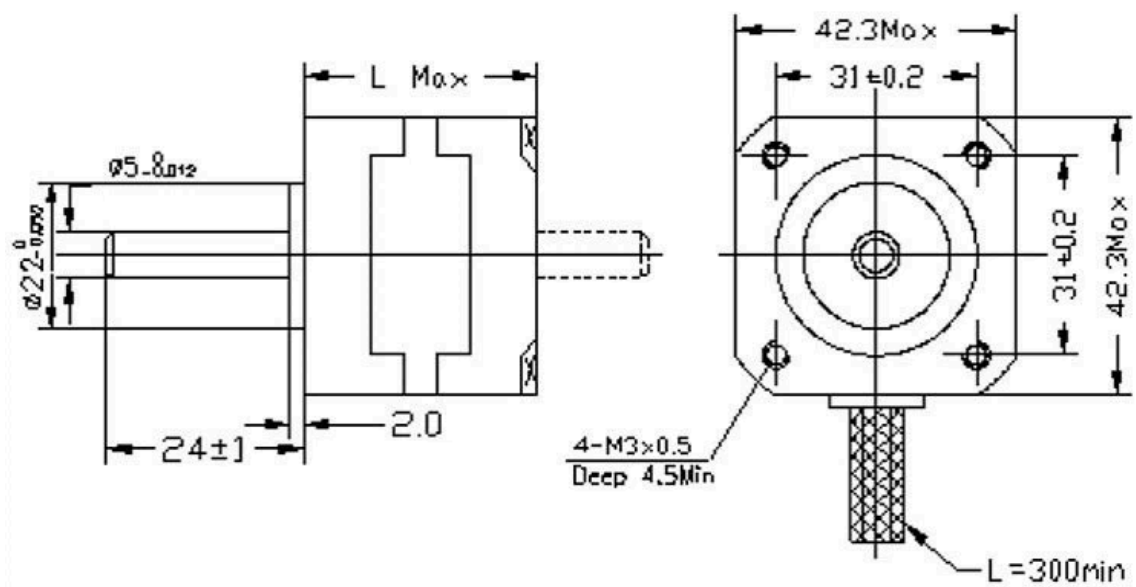
42BYGHW Stepper Motor is a stepper motor with high torque, low noise and smooth motion. It has the characteristics of high-speed, stable and fast stop, stable operation, no zero-speed oscillation, low vibration and noise. The motor has a low step angle of 1.8°, NEMA17, 42x42mm, bipolar 1.8°, holding torque 0.21~0.73NM, the motor has a fast response speed, suitable for frequent start and stop occasions, and is very suitable for the 3D printer industry.

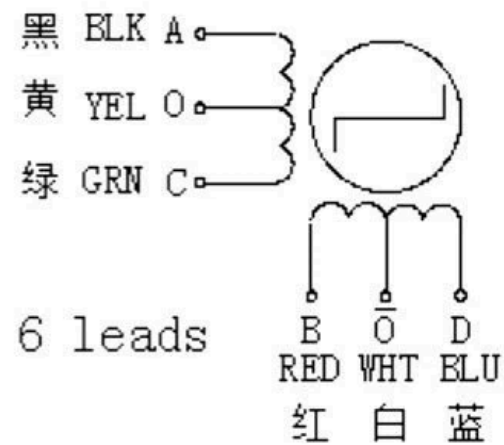
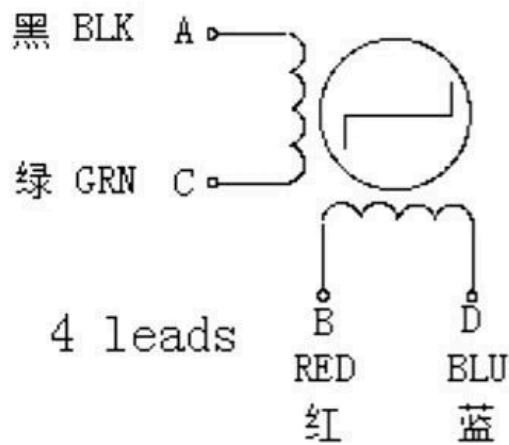
General Specifications

Step Accuracy.....	5%
Temperature Rise.....	80°C Max
Ambient Temperature Range.....	-20°C - +50°C
Insulation Resistance.....	100MΩMin.500VC DC
Dielectric Strength.....	500V AC 1 minute

Electrical Specifications

Model	Step angle (°)	Motor Length L(mm)	Rate Voltage (V)	Rate Current (A)	Phase Resistance (Ω)	Phase Inductance (mH)	Holding Torque (g. cm)	Lead Wire (No.)	Rotor Inertia (g.c m ²)	Detent Torque (g.cm)	Motor Weight (kg)
42BYGHW208	1.8	34	12	0.4	30	37	2800	4	35	160	0.25
42BYGHW210-02	1.8	34	5.0	1.0	5.0	7.1	3000	4	38	160	0.25
42BYGHW213	1.8	34	12	0.6	20	15	2000	4	35	160	0.25
42BYGHW602	1.8	40	12	0.4	30	30	2600	6	54	150	0.3
42BYGHW603	1.8	40	12	0.4	30	40	4000	4	54	220	0.3
42BYGHW609	1.8	40	3.4	1.7	2	2.8	4000	4	54	220	0.3
42BYGHW610-04	1.8	40	4.2	1.0	4.2	8.4	5000	4	54	220	0.3
42BYGHW615-04	1.8	40	3.83	1.5	2.55	4.9	5000	4	57	260	0.3
42BYGHW801	1.8	48	12	0.4	30	28	3800	6	68	280	0.38
42BYGHW804	1.8	48	3.84	1.2	3.2	5	4800	4	68	260	0.38
42BYGHW811	1.8	48	3.1	2.5	1.25	1.8	4800	4	68	280	0.38
42BYGHW811-06	1.8	48	2.5	2.5	1.0	1.75	6000	4	68	280	0.38

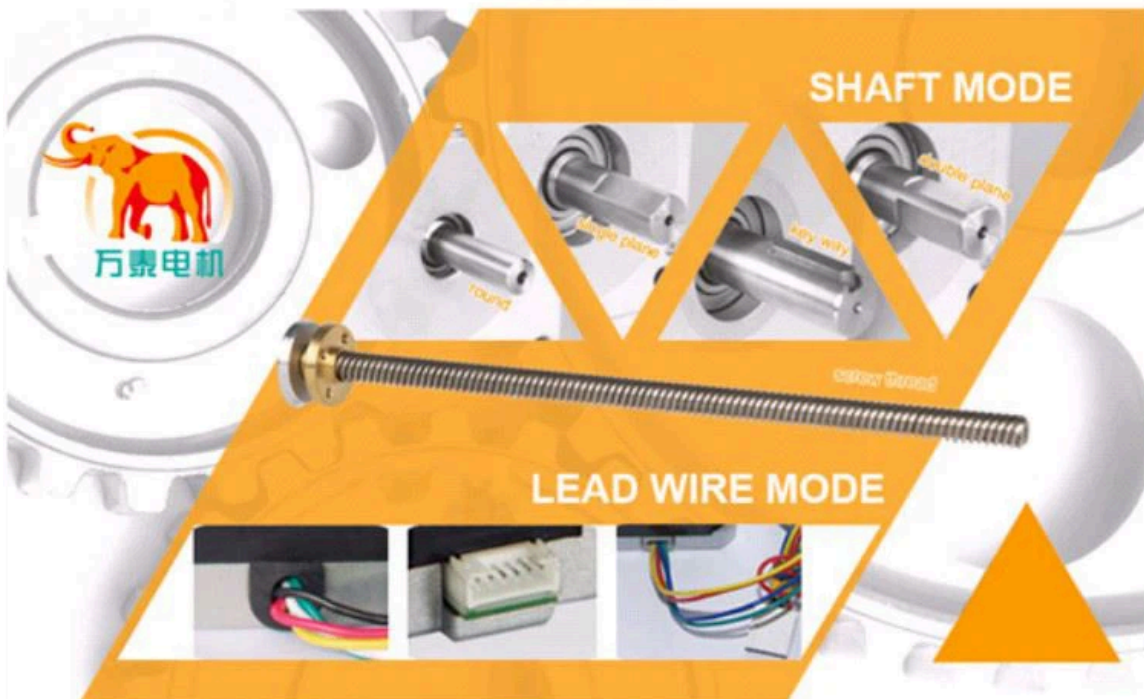
Mechanical Dimensions**Wiring diagram**



Product Advantage

1. Factory manufacturing
2. Low noise,
3. Durable: 10 years guarantee
4. European standard and OEM services
5. Customized products are available
6. Durable, applied and secure

* We can manufacture products according to customer's requirement.



Our Advantages

- a. Extensive production experience: We are specialized in motors & drivers with an experience of 10 years.
- b. Complete production facilities: Owning Hydraulic machines, Cylindrical grinder, Inner-aperture-grinding machine, Lathe machine, Automatic Winding machine, Terminal machine, Stepper motor comprehensive test bench, bench drill machine, Pneumatic press machine, Air compressor, Magnetizer machine, Open tilting press machine, Oven machine, Universal rocker milling machine, DC regulated power supply, Low resistance tester etc.
- c. High quality raw material: We mainly choose raw material from big bearing factory, such as NMB, NSK, which are best and largest raw bearing material manufacturer in the world.