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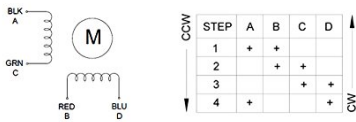
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Stepper Motor Nema 17 Bipolar 40mm 64oz.in(45Ncm) 2A 4 Lead 3D Printer Hobby CNC

by [STEPPERONLINE](#)

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#1 Best Seller in [Telescope Motor Drives](#)

Price: **\$13.99**

In stock on February 10, 2016.

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- Hot Sale! High Torque
- 45Ncm(63.7oz.in) holding torque
- NEMA 17 bipolar 1.65"x1.65"x1.57" 4-wire
- 1.8 deg. step angle(200 steps/rev)
- Rated current 2A & resistance 1.1ohms

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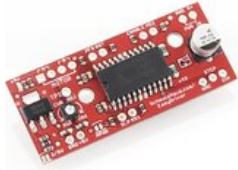


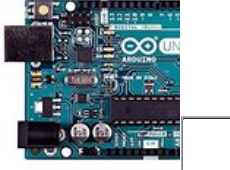
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☒ **This item:** Stepper Motor Nema 17 Bipolar 40mm 64oz.in(45Ncm) 2A 4 Lead 3D Printer Hobby CNC **\$13.99**

☒ [Mounting Bracket for Nema 17 Stepper Motor \(Geared Stepper\) Hobby CNC/3D Printer](#) **\$9.48**

☒ [EasyDriver Stepper Motor Driver](#) **\$14.95**

					
Mounting Bracket for Nema 17 Stepper Motor (Geared Stepper) Hobby CNC/3D Printer	EasyDriver Stepper Motor Driver	2 x Aluminum GT2 16T Pulley and 2M Belt for RepRap 3D printer Prusa i3	USPRO 5sets Stepper Motor 28BYJ-48 5V DC 4-Phase 5-Wire + ULN2003 Driver Board	Arduino UNO R3 Board Module With DIP ATmega328P(Blue)	
7	53	8	38	562	
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Product Description

This is high torque Nema 17 stepper motor with 1.8 deg. step angle (200 steps/revolution). Each phase draws 2A, allowing for a holding torque of 45Ncm(63.7oz.in). This stepper motor is ideal for the RepRap Prusa, Mendel 90, Rostock and similar 3D printers, as well as CNC and robotics applications. The motors are supplied with a 1 metre long power cable with a 4-pin Harwin female connector already fitted - ready to plug and print!

Electrical Specification:

- * Manufacturer Part Number: 17HS16-2004S
- * Motor Type: Bipolar Stepper
- * Step Angle: 1.8 deg.
- * Holding Torque: 45Ncm(63.7oz.in)
- * Rated Current/phase: 2A
- * Phase Resistance: 1.1ohms
- * Inductance: 2.6mH+/-20%(1KHz)

Physical Specification:

- * Frame Size: 42 x 42mm
- * Body Length: 40mm
- * Shaft Diameter: 5mm
- * Shaft Length: 23mm
- * D-cut Length: 21mm
- * Number of Leads: 4
- * Lead Length: 1000mm
- * Weight: 310g

Connection:

Black(A+), Green(A-), Red(B+), Blue(B-)

Warning:

Make sure the motor connect to a constant current or chopper drive controller before you test motor. Connecting the motor directly to a power supply will destroy the motor.

Product Details

Product Dimensions: 0.4 x 0.3 x 0.3 inches

Shipping Weight: 9.6 ounces ([View shipping rates and policies](#))

ASIN: B00PNEQI7W


Item model number: 17HS16-2004S

Average Customer Review: (23 customer reviews)

Amazon Best Sellers Rank:

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Date first available at Amazon.com: November 15, 2014



Robotlinking Uno Learning Kit with Power Supply 9V-1A, LCD, Servo, Proto...

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\$49.99



Robotlinking 37-in-1 Sensor Module Kit - Black for Arduino UNO R3 Mega25...

117


\$28.59



DROK Motor Speed Control Driver Board 10V-60V 10A 420W PWM Controll...


85

\$11.22



CHENBO(TM) For Raspberry PI Kit, Breadboard 1602 LCD GPIO Adapter Cable ...

\$49.99




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\$45.99

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[Ad feedback](#)

Customer Questions & Answers

Have a question? Search for answers

5 votes	<p>Question: What i be able to use this on my 2001 nissian primera</p> <p>Answer: yes but you wont go fast.. or move By Steve on September 14, 2015</p>
2 votes	<p>Question: Do you have a preferred stepper driver for use with this stepper motor? Thanks. :-)</p> <p>Answer: You can refer this one: http://www.amazon.com/SparkFun-SX09402-EasyDriver-Stepper-Driver/dp/B004G4XR60/ref=pd_bxgy_421_img_2?ie=UTF8&refRID=0TY8ST8076X0JEYB1QW6 By StepperOnline on October 22, 2015</p>
1 vote	<p>Question: Is this an ac or a dc motor?</p> <p>Answer: It would be a DC motor, but needs a stepper driver to be able to run it. By THDC on July 23, 2015</p> <p>See more answers (4)</p>
0 votes	<p>Question: Can this be used with an arduino uno?</p> <p>Answer: I run mine on a MEGA with a RAMPS shield. I have also ran the NEMA 23s on an UNO with a GSHIELD. I believe you would have to have a stepper motor controller attached to the Arduino but Im no expert with Arduino. By Amazon Customer on February 2, 2016</p> <p>See more answers (3)</p>

[See more answered questions \(10\)](#)

Customer Reviews

23
4.6 out of 5 stars

5 star	<input type="text"/>	78%
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3 star	<input type="text"/>	9%
2 star	<input type="text"/>	4%
1 star	<input type="text"/>	0%

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I use 6 of these to operate my dual extruder ...

By [Brian B.](#) on April 17, 2015




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167

\$59.00

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Most Recent Customer Reviews

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I use 6 of these to operate my dual extruder 3D printer and they work fantastically. They are some of the quietest motors heard. They make almost no noise.

[Comment abuse](#) 4 of 4 people found this helpful. Was this review helpful to you? [Report](#)

Works great as long as you dont abuse the voltage

By [Ralph Hunter](#) on April 30, 2015

Verified Purchase

Works great as long as you dont abuse the voltage, 5v is ok 12v too much. gets hot, makes too much noise. 5v happy happy

[Comment abuse](#) 4 of 4 people found this helpful. Was this review helpful to you? [Report](#)

Nice stepper

By [Richard](#) on April 12, 2015

Verified Purchase

Works as expected. Used for a Z-axis on a shapeoko 2. Works great.

[Comment abuse](#) 3 of 3 people found this helpful. Was this review helpful to you? [Report](#)

Heavy drift, missing and/or double stepping stepper. Only about 68oz of torque.

By [MLR](#) on November 20, 2015

Verified Purchase

I am building a CNC machine, and there is sporadic drift in these steppers. I happen to have some from another manufacturer, and there is no drift under same test bed. The drift happens in both directions and increments.

[1 Comment abuse](#) 2 of 2 people found this helpful. Was this review helpful to you? [Report](#)

Missed steps, no real precision.

By [Melissa Holman](#) on January 15, 2016

Verified Purchase

This product was good at first but it didn't fit my need of precision. It will miss steps in both directions and the momentum of a rotation can cause it to "bounce" back and forth before it completely stops. No other problems and it worked as expected.

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These steppers are as good as the one's I get from Pololu

By [Charles M. Ihler](#) on January 16, 2016

Verified Purchase

These steppers are as good as the one's I get from Pololu.. they're pretty much average and worked great out of the box. They're 4-wire and have pretty standard torque... perfect fit with normal NEMA17 brackets.

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Great little stepper

By [MICHAEL RANDLE](#) on January 14, 2016

Verified Purchase

Great little stepper. Bought as a replacement for my Folger Prusa i3 extruder motor. Stock motor didn't have a slotted shaft. This one dropped right in and has been performing spectacularly.

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I'm keeping this for another project, very nice, very nice price.

By [A. Marks](#) on November 1, 2015

Verified Purchase

Smooth, powerful, but a bit too much for my prosthetic hand prototypes. Very nice piece of equipment though. As solid as it looks.

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Havent used it

Works seems good.. not sure how long it will last
Published 21 days ago by Nick ralph

Five Stars

Great product.
Published 1 month ago by Amazon Customer

Great Motor - It comes with long leads rather than ...

Great Motor - It comes with long leads rather than an connector. I prefer the leads so can install my own connectors.
Published 1 month ago by Peter Menuez

worked great no problems

worked great no problems
Published 1 month ago by MJacob

Awesome!

Awesome product works a treat, would buy again!
Published 2 months ago by Sam Amazon

Five Stars

Arrived as advertised and in a reasonable time frame.
Published 2 months ago by Wayman Bell III

Five Stars

Works like a charm
Published 3 months ago by E. Hicks

Five Stars


good
Published 3 months ago by Wu Yao

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Ad feedback

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