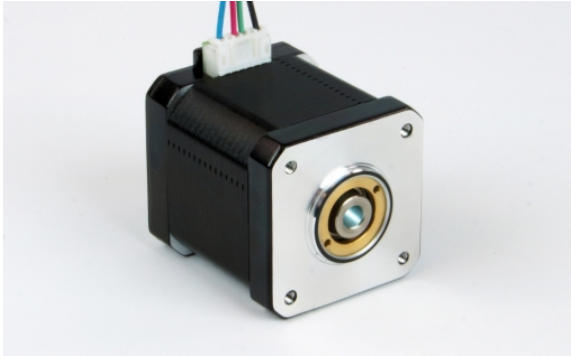


## HH17-103

Hollow Shaft, NEMA 17 High Torque Step Motor

1pc. - 55.00  
50pc. - 41.25



### Product Features

- Hollow shaft for mounting custom shafts or lead screws
- High torque design
- NEMA 17 frame size
- 2-phase hybrid step motor
- 1.8 degree step angle
- Shipped with detachable lead/connector pigtail



## Description

### Product Description:

The HH17-103 two-phase stepper motor features a hollow shaft with a 5 mm bore. The hollow shaft allows for the attachment of lead screws and customized shafts without disassembling the motor.

This step motor is suitable for a wide range of motion control applications and is recommended for use with our popular [ST5 stepper drives](#).

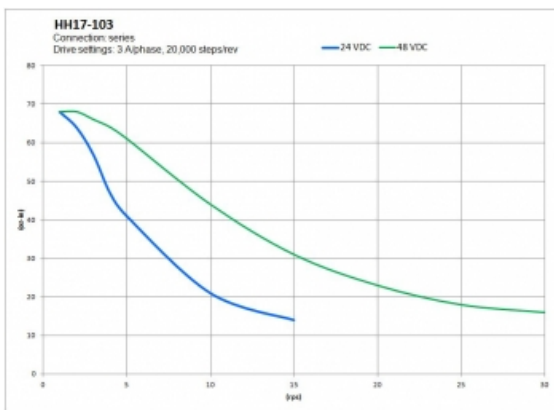
## Specifications

<b>Part Number:</b>	HH17-103
<b>Frame Size:</b>	NEMA 17
<b>Motor Type:</b>	High torque
<b>Motor Length:</b>	1.90 inches
<b>Number of Lead Wires:</b>	4
<b>Lead Wire Configuration:</b>	flying leads, no connector
<b>Lead Wire/Cable Length:</b>	11.8 inches
<b>Lead Wire Gauge:</b>	26 AWG
<b>Bipolar Holding Torque:</b>	89.2 oz-in
<b>Step Angle:</b>	1.8 deg
<b>Bipolar Series Current:</b>	2 A/phase
<b>Bipolar Series Resistance:</b>	1.3 Ohms/phase
<b>Bipolar Series Inductance:</b>	3 mH/phase
<b>Rotor Inertia:</b>	1.16E-03 oz-in-sec <sup>2</sup>
<b>Weight:</b>	0.79 lbs
<b>Storage Temperature:</b>	-30 to 70 °C
<b>Operating Temperature:</b>	-20 to 50 °C
<b>Insulation Class:</b>	B
<b>End Play:</b>	0.004 inch max w/ 22.5 lb load

## Downloads

<b>Datasheet:</b>	<a href="http://s3.amazonaws.com/applied-motion-pdf/HH17-103.pdf">http://s3.amazonaws.com/applied-motion-pdf/HH17-103.pdf</a>
<b>2D Drawing:</b>	<a href="#">HH17-103_RevA.pdf</a> <a href="#">3004-320_RevA.pdf</a>
<b>3D Drawing:</b>	<a href="#">HH17-103.igs</a>
<b>Speed-Torque Curves:</b>	<a href="#">HH17-103 Torque Curve.pdf</a>

## Torque Curves



## Pricing

<b>HH17-103</b> Part No. w/ Single Shaft	
<b>1pc.</b>	\$55.00
<b>25pc.</b>	\$47.30
<b>50pc.</b>	\$41.25
<b>100pc.</b>	<a href="#">Request a Quote</a> for 100+ piece pricing.