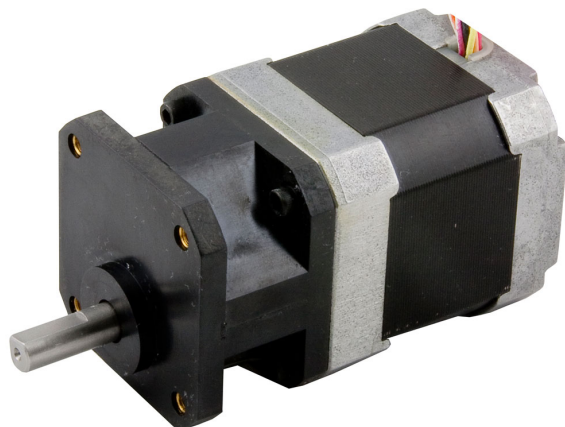


## 17068-2-05S

NEMA 17 Stepper Gearmotor



### Product Features

- Cost effective gearmotor
- NEMA 17 step motor with gearhead
- 5:1 ratio amplifies step motor torque
- Offset parallel output shaft
- High torque design
- Strong composite gearhead body



### Description

The 17068-2-05S stepper gearmotor is a NEMA 17 step motor and 5:1 gearhead pre-assembled for ease-of-use and greater output torque than the step motor by itself.

A double-shaft version of this gearmotor, part number 17068-2-05D, is also available. Please [call or email](#) for price and delivery.

### Specifications

<b>Part Number</b>	17068-2-05S
<b>Frame Size</b>	NEMA 17
<b>Motor Type</b>	Gearmotor
<b>Part Number w/Double Shaft</b>	NA
<b>Part Number w/Encoder</b>	NA
<b>Motor Length</b>	2.28 inches
<b>Number of Lead Wires</b>	8
<b>Lead Wire Configuration</b>	flying leads, no connector
<b>Lead Wire/Cable Length</b>	12 inches
<b>Lead Wire Gauge</b>	26 AWG
<b>Unipolar Holding Torque</b>	105 oz-in
<b>Bipolar Holding Torque</b>	105 oz-in

<b>Step Angle</b>	1.8 deg
<b>Bipolar Series Current</b>	0.67 A/phase
<b>Bipolar Series Resistance</b>	8.4 Ohms/phase
<b>Bipolar Series Inductance</b>	11.2 mH/phase
<b>Bipolar Parallel Current</b>	1.34 A/phase
<b>Bipolar Parallel Resistance</b>	2.1 Ohms/phase
<b>Bipolar Parallel Inductance</b>	2.8 mH/phase
<b>Unipolar Current</b>	1.10 A/phase
<b>Unipolar Resistance</b>	4.2 Ohms/phase
<b>Unipolar Inductance</b>	2.8 mH/phase
<b>Rotor Inertia</b>	6.00E-04 oz-in-sec <sup>2</sup>
<b>Integral Gearhead</b>	Yes
<b>Gearhead Ratio</b>	5:1
<b>Gearhead Continuous Torque</b>	105 oz-in
<b>Gearhead Peak Torque</b>	125 oz-in
<b>Gearhead Efficiency</b>	80%
<b>Weight</b>	0.96 lbs
<b>Storage Temperature</b>	-40 to 70 °C
<b>Operating Temperature</b>	-20 to 50 °C
<b>Insulation Class</b>	Class B (130 °C)
<b>Maximum Radial Load</b>	4.5 lbs
<b>Maximum Thrust Load</b>	3.5 lbs
<b>Shaft Run Out</b>	NA
<b>Radial Play</b>	0.002
<b>End Play</b>	0.010
<b>Perpendicularity</b>	NA
<b>Concentricity</b>	NA