INTRODUCTION
The turbo metal gear worm motor uses a metal gear box for durability and a high torque output. Due to the special mechanical structure of the worm drive the motor output shaft is self locking and can not be rotated.

(From wikipedia)

This part uses a two wire connection and supports direction control as well as PWM speed control. Rated voltage is 12v and will achieve 40RPM, with a torque of 8kg/cm.
Warning: Do not stall motor for extended periods of time to avoid damage to the gearbox.

**SPECIFICATION**

- Operating Voltage: 6 - 15 V
- Rated Voltage: 12V
- No-load Speed: 40 RPM
- No-load Current: 35 mA
- Rated Torque: 32 RPM
- Rated Current: 180 mA
- Rated Torque: 2.2 kg.cm
- Rated Power: 1.1 W
- Stall Torque: 8 kg/cm
- Stall Current: 1 A
- Reduction Ratio: 1:150
- Weight: 167 g

**SHIPPING LIST**

- Metal Turbo Worm Gear Motor (12V 160RPM 2.2kg.cm) x1

**REVIEW**

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- Neil Chambers - 2 years ago
  What kind of back torque can this and the 3 other similar models take? I want to use this for its self-locking ability, and I need it to resist some torque trying to back-drive the motor.

- Matthew Kul — I would like to use it in the USA.

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  DFRobot Support — We have upload the complete code, please refer to it.

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  2 comments - 2 months ago
  youshen — Cool application! The I2C address of this product is fixed. But the I2C Multiplexer will help you solve this problem. Please refer this link:https://www.dfrobot.com/wiki...The I2C ...

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  DFRobot Support — Can you use different resolution like 13 bits in the manual to test if it is able to move?