



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Micro Metal Gear Motor with Connector (75:1)

## SKU:FIT0457



### INTRODUCTION

This motor has a long (0.365"/9.27 mm) D profile metal output shaft that matches the 42x19mm and 32x7mm dimensions of the Pololu wheel. The brass faceplate has two mounting holes threaded for M1.6 screws (1.6mm diameter, 0.35mm thread pitch), or you can use the mounting bracket or extended mounting bracket, which are specifically designed to securely mount the gear motor while enclosing the exposed gears. We recommend the extended mounting bracket for wheels with recessed hubs, such as the 42x19mm wheel.

The motor comes with PH2.0 port which is easy to connect and solderless. An integrated circuit enhances its anti-jamming capability.

Compatible with 2WD MiniQ Robot Chassis

## **SPECIFICATION**

- Operating Voltage: 1.0~6.0V
- Motor Speed: 290 + 10% rpm@6V
- Gear Ratio: 75:1
- Rated Speed: 220 + 10% rpm@6V
- Rated Current: 70mA@6V
- Stall Current: 1000mA@6V
- Stall Torque: 0.8kg\*cm@6V
- Weight: 15g

## **DOCUMENTS**

- Motor Dimensions  
[https://github.com/Arduinolibrary/DFRobot\\_DC\\_gearmotor\\_with\\_connector/raw/master/N20%20Dimension.pdf](https://github.com/Arduinolibrary/DFRobot_DC_gearmotor_with_connector/raw/master/N20%20Dimension.pdf)

## **SHIPPING LIST**

- Micro Metal Gear Motor (75:1) with connector x1
- Double PH-2.0 cable x1
- Single PH-2.0 cable x1