



# 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