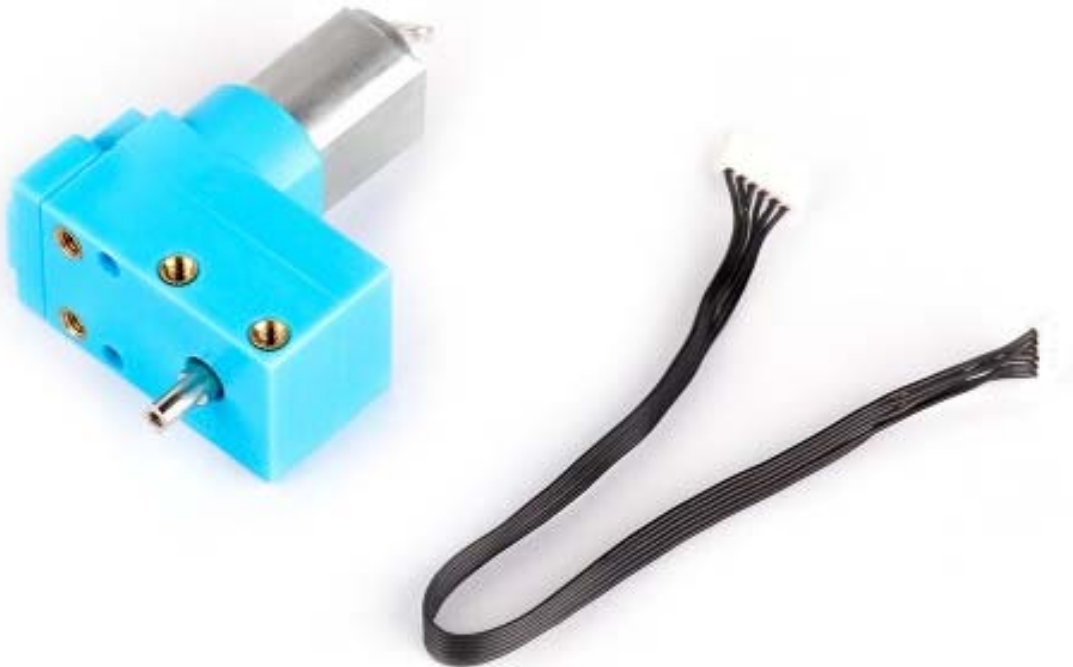




## 180 Optical Encoder Motor

**SKU:**81340 **Weight:**66.00 Gram



What is 180 Optical Encoder Motor?

180 optical encoder motor is equipped with optical encoder which enables motor to control in high-accuracy. And the unique structure makes this motor compliant with various parts. Meanwhile, due to the special materials, it produces lower noise while running and promises large output torque.

## Features

- Flexible installation: compliable with Makeblock platform, having flexible installation. Directly drive sprockets, gears, synchronous belts, rubber tires and tracks, etc;
- Optical encoder: control precisely with PID and PWM calculation;
- Powerful capability: compared to other motors in the same level, this encoder motor has high torque, high reduction ratio and high output rotate speed;
- Lower noise: equipped with gear case in POM materials which is anti-abrasive and makes lower noise;
- Long service time: with special 45# steel output shaft, the motor can transmit great torque efficiently as well as reduce attrition and increase service life.

## Demo



Specifications	
Reduction Ratio	39.6
Rated Voltage	7.4V
No Load Current	240mA
Load Current	≤750mA
NO Load Speed	350RPM±5%
Rated Load Speed (RPM)	178±10%
Rated Speed	14000RPM±5%
Rated Load Torque	800g.cm
Break-out Torque	5kg.cm
Output Shaft	9mm
Power	3.7W
Encoder accuracy	360

Product Information	
SKU	81340
Product Name	180 Optical Encoder Motor Pack
Package content	1 x 180 Optical Encoder Motor Pack 1 x 180 Optical Encoder Motor Pack – 180mm – black
Package Dimension	150*103*30 mm (5.9*4.1* 1.2 inch)
Product Dimension	65.3*48.1*24.0 mm (2.57*1.90*0.95 inch)
Net Weight	61.5g (2.17oz)