

Towerpro MG90 Micro Servo



Accessories Bag

The MG90 comes with 3 servo rudder pieces and 1 set of screws.



Product Description

The MG90 is a nice small RC servo ideal for projects where size and weight are important.

RC servos are hobbyist remote control servos typically used in radio-controlled models, where they provide actuation for various mechanical systems such as the steering of a car, the flaps on a plane, or the rudder of a boat. These servos are not industrial grade and are not recommended for continuous heavy use.

Resources

- [Servo Motor and Controller Primer](#)

Product Specifications

Motor Properties

Motor Type	Limited Rotation Servo
Range of Rotation	175°
Maximum Speed at Rated Voltage	545°/s
Rated Torque	2 kg·cm

Physical Properties

Gear Train Material	Metal
Bearing Type	Dual Ball Bearing
Motor Length	29 mm
Motor Width	23 mm
Motor Depth	12.2 mm
Weight	14 g

Electrical Properties

Rated Voltage	5 V DC
Rated Current (on 1061 controller)	90 mA
Rated Current (on 1066 controller)	100 mA
Stall Current (on 1061 controller)	480 mA
Stall Current (on 1066 controller)	430 mA

Motor Controllers

The 3205 – Micro Servo can be used with the following Phidget motor controllers:

- [1066 – PhidgetAdvancedServo 1-Motor](#)
- [1061 – PhidgetAdvancedServo 8-Motor](#)

The 1061 will produce a little more torque than 1066.

