

Hitec HS-815BB Mega Sail Servo



Accessories Bag



Product Description

The HS-815BB Mega sail arm servo has up to 180 degrees of travel and comes with a Heavy Duty 4.5 inch arm, with a dual ball bearing supported output shaft.

RC servos are hobbyist remote control servos typically used mostly 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.

Motor Controllers

Due to its large amount of torque, the Mega Sail Servo will only work with the **1061 – PhidgetAdvancedServo 8-Motor**. This servo motor will not operate properly with the Phidgets 1066.

Resources

- Servo Motor and Controller Primer
- Hitec Data Sheet
- Service Manual

Product Specifications

Motor Properties

Motor Type	Limited Rotation Servo
Range of Rotation	180°
Maximum Speed at Rated Voltage	125°/s
Rated Torque	19.8 kg·cm

Physical Properties

Gear Train Material	Plastic
Bearing Type	Dual Ball Bearing
Motor Length	57 mm
Motor Width	66 mm
Motor Depth	30 mm
Weight	152 g

Electrical Properties

Rated Voltage	5 V DC
Rated Current (on 1061 controller)	350 mA
Rated Current (on 1066 controller)	350 mA
Stall Current (on 1061 controller)	3.3 A
Stall Current (on 1066 controller)	450 mA

These product specifications are based on our own tests using the HS815 motor with the Phidgets 1061 motor controller.