

# Hitec HS-422 Deluxe Servo



The HS-422 is one of the most durable and reliable servos Hitec has ever offered. With its dual iron-oilite bushings, high impact resin gear train and high performance circuitry, the HS-422 features excellent centering and resolution.

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.

## Product Specifications

### Motor Properties

Motor Type	Limited Rotation Servo
Range of Rotation	180°
Maximum Speed at Rated Voltage	286°/s
Rated Torque	3 kg·cm

### Physical Properties

Gear Train Material	Plastic
Bearing Type	Dual Iron-Oilite Bushing
Motor Length	36.6 mm
Wire Length	300 mm
Motor Width	40.4 mm
Motor Depth	19.6 mm
Weight	45 g

### Electrical Properties

Rated Voltage	5 V DC
Rated Current (on 1061 controller)	130 mA
Rated Current (on 1066 controller)	130 mA
Stall Current (on 1061 controller)	520 mA
Stall Current (on 1066 controller)	430 mA

## Servo Controllers

This servo motor needs to be connected to a servo controller board. If you're looking for higher torque, you should select a servo controller with an external power jack so it doesn't have to rely solely on USB power, which is limited. You can plug this servo directly to any of the boards in the list below by matching the color of the wire with the label on the board. Note that some servos have a white data wire and others have a yellow one- in both cases this wire corresponds to the "W" pin on the servo controllers.