

## Description

The Futaba S3003 standard servo is designed for use in remote controlled cars & boats, but can also be used in other applications and can be driven by a PICAXE chip or other microcontroller system. Supplied with a range of arms and wheels to fit onto the servo.



## Features:

- SMT Construction – Surface Mount Technology improves reliability in applications where there is vibration
- Impact Resistant, Fuelproof Case – High impact plastic is designed to withstand minor crashes and the effects of model fuel
- Through-the-hole Circuit Board Plating – Eliminates the need for wires or leads
- Heavy Duty Output Shaft – Designed not to break, and offers versatility when installing the servo horn
- Nylon gears

## Includes:

- S3003 standard servo
- Brass eyelets
- Black rectangular rubber grommets

- Servo mount screws
- Servo wheel 1.375 in (35 mm) in diameter
- X-shape servo arm 1.5 in (38 mm) across
- Star shaped arm 1.25 in (32 mm) across

### **Futaba S3003 Servo Motor Technical Specifications:**

- Model: Futaba S3003
- Control System: +Pulse Width Control
- Operating Frequency: 20ms Period / 50Hz (Analog Control)
- (RX) Required Pulse: 3.0 ~ 5V Peak-to-Peak Square Wave
- Operating Voltage: 4.8 ~ 6V/DC
- Operating Temperature Range: -0 to +55 Degrees C
- Operating Speed (4.8V): 0.200 sec/60° Degree (no load)
- Operating Speed (6V) 0.160 sec/60° Degree (no load)
- Stall Torque (4.8V): 9.4kg/cm
- Stall Torque (6V): 11kg/cm
- Motor Type: Brushed Motor
- Potentiometer Driver: Direct Driver
- Bearing Type: No Bearing
- Gear Type: Plastic Gear
- Case Material: Plastic
- Programmable: NO
- Connector Cable Length: 32.0cm
- Width: 20mm
- Length: 41mm
- Height: 39mm
- Weight: 43gr