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Hitec HS-311 - Standard Economy Servo

Specifications

Modulation:	Analog
Torque:	4.8V: 42.00 oz-in (3.02 kg-cm) 6.0V: 49.00 oz-in (3.53 kg-cm)
Speed:	4.8V: 0.19 sec/60° 6.0V: 0.15 sec/60°
Weight:	1.51 oz (42.8 g)
Dimensions:	Length: 1.57 in (39.9 mm) Width: 0.78 in (19.8 mm) Height: 1.43 in (36.3 mm)
Motor Type:	3-pole
Gear Type:	Plastic
Rotation/Support:	Bushing
Rotational Range:	180°
Pulse Cycle:	20 ms
Pulse Width:	900-2100 µs
Connector Type:	Universal



Brand:	HITEC
Product Number:	31311S
Typical Price:	12.95 USD
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Reviews of Hitec HS-311

(8)

Long Time RC Modeler

April 10, 2017

Rating:

Application(s): Throttle, Alerons, Elevator on PT-40

Comments: Just put the model in the air. Everything was smooth for 6 flights. Then on flight 7 poof. No Thottle. Th HS-311 die. I will be pulling all of them out.

Andres

September 30, 2013

Rating:

Application(s): All floght control surfaces and throttle on Hobbico Avistar.

Comments: Flown my Avistar for 6 years now and i never had a problem with these servos. They are really great

riki

March 31, 2013

Rating:

Application(s): its for the thortel for a car

Comments: i have now brought twp hs-311's and i have had the same problem with both of them they work for about 3-4 min then they lock open which means the car is running at full speed. can't say i'm too impressed

Sean Moore

September 24, 2012

Rating:

Application(s): Elevator Servo

Comments: I am new to model planes and had an instructor help me set everything up. he took it up for its maiden voyage and everything was going fine until we started to come back in. The Elevators failed and the Brand new plan smashed into the ground thanks Hitec!!!!

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siterack_net

June 23, 2012

Rating:**Application(s):** Aileron, Rudder, Throttle, Elevator .60 WM Super Chipmunk**Comments:** Terrible. Just lost my favorite plane due to elevator servo failure, in flight. Servos are only 1 month old.**Rcflyyer1**

May 8, 2012

Rating:**Application(s):** Elevator and Rudder Servo For .40 Sized Nitro Sport Airplane

Comments: I used these servos and I was impressed with the Hardware that it came with and the servo arm it had was adjustable which in my opinion was great. Better rubber grommets (rubber cushions that help minimize vibration damage) than the Futaba S3004 since the 3004s can fall out easily and can get lost since they're so small but the Hitecs are a really tight fit and are 1 piece not 2 like the 3004s. With all that said, I thought this would be a great servo but I stood corrected. The ground test was fine and everything seemed to go well but then I took the plane up and lost elevator control! Rudder was still working and the Ailerons which had S3004 servo was still working but without elevator, you're helpless. I think if you plan on putting this servo on an ARF that has tight hinging, work them in REALLY GOOD to use this servo or just go with better Hitec Bearing servos or Futaba S3004s.

Gary Parker

January 13, 2012

Rating:**Application(s):** Larger planes

Comments: These are better than you would think considering the low price. They are strong, extremely reliable, and highly resistant to stripping just because the gears are so big. Often you don't need anything fancier.

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View & Print Your Form Now findformsfast.com**RocketGuy**

November 7, 2009

Rating:**Application(s):** Elevons on Combat Wings XE2.

Comments: Perfectly decent servos, no real issues. They are a bit noisy like most servos. I crashed the hell out of the wing repeatedly, they never broke or seemed to have an issue as a result, pretty darn solid.

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