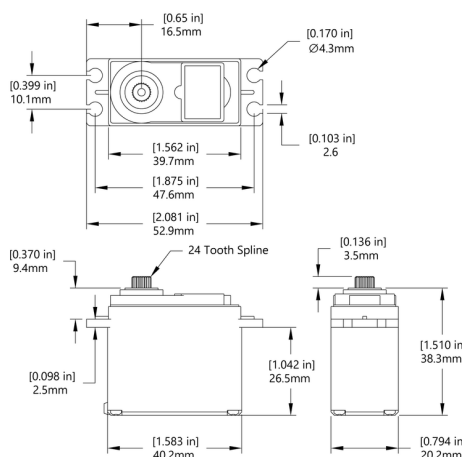




MOTION / Servos & Accessories / Servos

HS-311 Servo-Stock Rotation

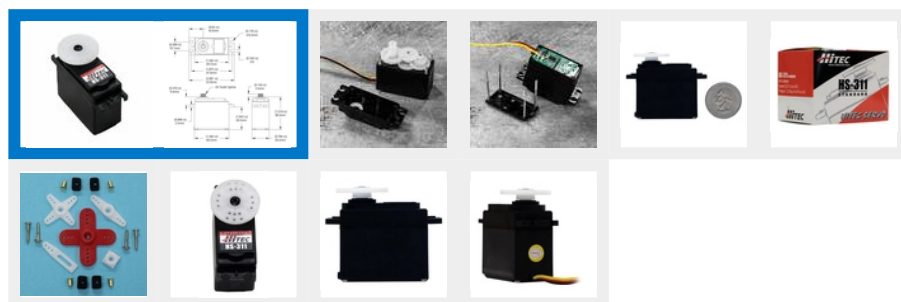
SKU: 31311S



\$13.49



Add to Wish List



The HS-311 sport servo provides the novice modeler all the performance and reliability you would expect to find in a more expensive servo. Combined with precise resin gears and SMT circuitry, the HS-311 represents a remarkable value in today's R/C market.

HOW FAR WILL THIS SERVO ROTATE?

The answer to this question is partially dependant on what you are using to control the servo.

[Click for a quick video explanation.](#)

With an Average
Radio System:

96°

Your average
transmitter and
receiver will

Radio System +
Travel Tuner:

202°

Adding a [Servo
Travel Tuner](#) to
your radio system

Wide Signal
Controllers:

202°

Controllers such
as the
[Actobotics®](#)

output a relatively narrow PWM signal range.

setup will allow you to achieve wide PWM signal ranges.

[Servo Controller](#), Arduinos, and Raspberry Pi servo hats can usually send a wide signal.

TECH TIPS



SERVO FAQs
[Click Here](#) for answers to common questions.

SPECS

Output Shaft Style	C24T Spline
Voltage Range	4.8V - 6.0V
No-Load Speed (4.8V)	0.19sec/60°
No-Load Speed (6.0V)	0.15sec/60°
Stall Torque (4.8V)	42 oz-in (3.0 kg/cm)
Stall Torque (6.0V)	51 oz-in (3.7 kg/cm)
Max PWM Signal	575-2460µsec

Signal Range	0.02-100µsec
Travel per µs	.107°/µsec
Max Rotation	202°
Pulse Amplitude	3-5V
Operating Temperature	-20°C to +60°C
Current Drain - idle (4.8V)	7.4mA
Current Drain - idle (6.0V)	7.7mA
Current Drain - no-load (4.8V)	160mA
Current Drain - no-load (6V)	180mA
Continuous Rotation Modifiable	Yes
Direction w/ Increasing PWM Signal	Clockwise
Deadband Width	5µs
Motor Type	Cored
Feedback Style	5KΩ Potentiometer
Output Shaft Support	Top Resin Bushing
Gear Material	Nylon
Wire Length	11.81" (300mm)
Weight	1.52oz (43g)
Wire Gauge	25AWG
Servo Size	Standard

RELATED PRODUCTS:

These products have been hand curated by our R&D team. We have selected products that are directly compatible with or very relevant to the 31311S.





Patented

C24T Spline
Servo to
Shaft
Couplers



C24T Spline
Servo
Shafts

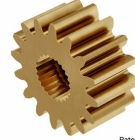


C24T Spline
0.1227"
Pitch,
Nylon
Servo
Sprockets



Patented

C24T
Spline,
Acetal 32
Pitch Servo
Gears



Patented


C24T
Spline,
Brass 32
Pitch Servo
Gears



Servo
Power



Patented

 Acto...
637110
Standard
Hub Shaft
ServoBlock™
(24T Spline)
\$29.99



Patented

 Acto...
637114
Standard
Plain Shaft
ServoBlock™
(24T Spline)
\$27.99



6V
Batteries



 goBl...

1804-0032-0...

Vertical
Aluminum
Servo
Mount
\$6.99



6 PACK

2917-0001-0...
Servo
Connector
Clip
\$5.99 / 6
Pack



 goBl...

3109-0002-0...
Servo
Travel
Tuner
\$19.99



55002
55002
Hitec OEM
Replacement
Gear Set
\$4.49



56314
Servo
Winch
Pulley
(C24T
Spline)
\$8.99



Acto...

575112
Standard
Servo Plate
A

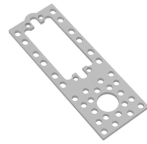
\$4.99



Acto...

575124
Standard
Servo Plate
B

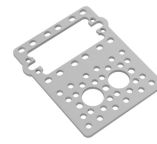
\$6.99



Acto...

575144
Standard
Servo Plate
C

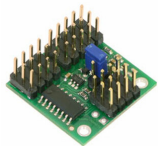
\$6.99



Acto...

575148
Standard
Servo Plate
D

\$7.99



605074
4-Channel
RC Servo
Multiplexer
\$9.99



Acto...

637092
Parallel
Gripper Kit
A
\$14.99



Acto...

637094
Standard
Gripper Kit
A
\$9.99



Acto...

637096
Standard
Gripper Kit
B
\$9.99



C24T

Acto...

DDP125H
DDP125
Standard
Pan-24

Tooth
Spline
\$24.99



C24T

Acto...

DDP155H
DDP155
Base Pan-
24 Tooth
Spline

\$39.99



C24T

Acto...

DDT500H
DDT500 Tilt
Kit-24
Tooth
Spline

\$24.99



C24T

Acto...

DDT560H
DDT560 6"
Tilt-24
Tooth
Spline

\$49.99



Male to
Female
Servo
Extensions



Female
Servo
Leads



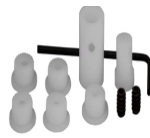
HS250-10A
0.250"
Pitch, 10
Tooth
Aluminum
Servo
Sprocket
with 24
Tooth
Spline
\$12.99



SPT100H
SPT100 Pan
& Tilt Kit-24
Tooth
Spline
\$19.99



Acto...
SPT200H
SPT200
Pan & Tilt
Kit-24
Tooth
Spline
\$45.99



SR500
Servo
Rotary
Driver
\$5.95



Servo
Controllers



Servo Y-
Harnesses



Servo
Connectors
& Wire



Servo
Signal
Boosters



C24T Servo
Spline
Horns