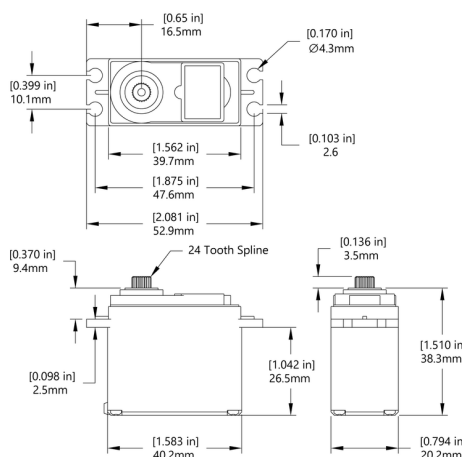




MOTION / Servos & Accessories / Servos

HS-311 Servo-Stock Rotation

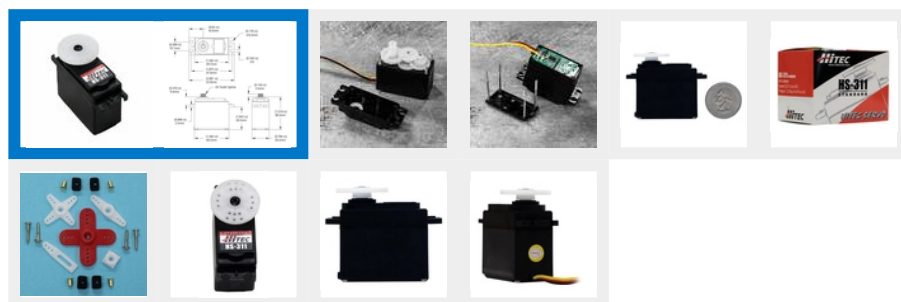
SKU: 31311S



\$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:

Radio System +
Travel Tuner:

Wide Signal
Controllers:

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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



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°

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Signal Range	0.75-2.100psec
Travel per μ s	.107°/ μ sec
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	5 μ s
Motor Type	Cored
Feedback Style	5K Ω 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 our

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C24T Spline
Servo to
Shaft
Couplers



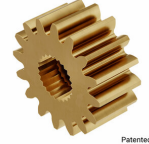
C24T Spline
Servo
Shafts



C24T Spline
0.1227"
Pitch,
Nylon
Servo
Sprockets



C24T
Spline,
Acetal 32
Pitch Servo
Gears



C24T
Spline,
Brass 32
Pitch Servo
Gears



Servo
Power



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



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



goBl...
3109-0002-0...



55002
55002
Hitec OEM



56314
Servo
Winch

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Acto...

575112
Standard
Servo Plate
A
\$4.99



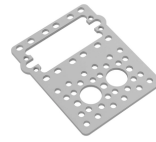
Acto...

575124
Standard
Servo Plate
B
\$6.99



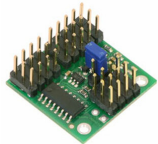
Acto...

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



Acto...

DDP125H
DDP125
Standard
Pan-24

Tooth
Spline
\$24.99



Acto...

DDP155H
DDP155
Base Pan-
24 Tooth
Spline
\$39.99



Acto...

DDT500H
DDT500 Tilt
Kit-24
Tooth
Spline
\$24.99



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


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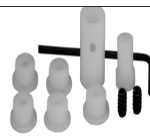
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SPT100H
SPT100 Pan
& Tilt Kit-24
Tooth
Spline
\$19.99



 **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

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