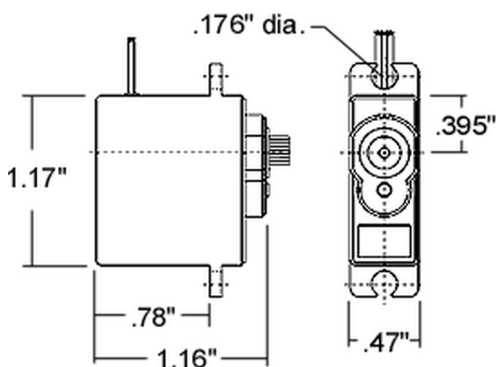




MOTION / Servos & Accessories / Servos

HS-81-Clockwise (stock)

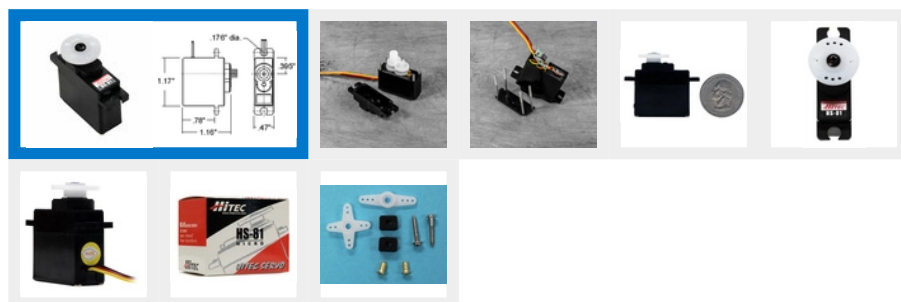
SKU: 31081S



\$16.99



Add to Wish List



A popular servo for smaller airplanes, heli's, boats, cars and trucks, the HS-81 offers a fine balance between speed and torque.

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:

91°

Your average

Radio System +
Travel Tuner:

165°

Adding a [Servo](#)

Wide Signal
Controllers:

165°

Controllers such

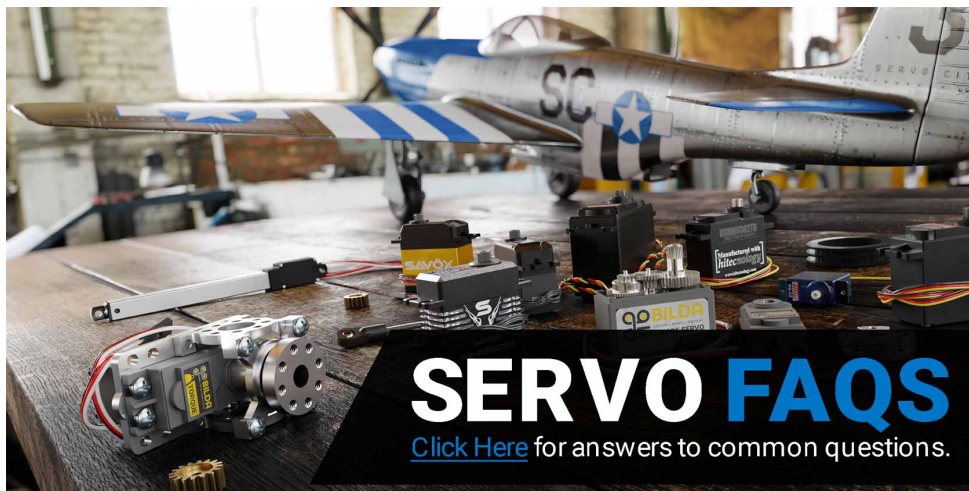
This website uses cookies to ensure you get the best experience on our website

Accept Cookies

ranges.

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)	0.11sec/60°
No-Load Speed (6.0V)	0.09sec/60°
Stall Torque (4.8V)	36.10 oz-in (2.6 kg.cm)
Stall Torque (6.0V)	41.66 oz-in (3 kg.cm)
Max PWM Signal Range	640-2250µsec
Travel per µs	.102°/µsec
Max Rotation	165°
Pulse Amplitude	3-5V
Operating Temperature	-20°C to +60°C
Current Drain, idle	8.8mA

This website uses cookies to ensure you get the best experience on our website

Accept Cookies

Drain - no-load (4.8V)	220µA
Current Drain - no-load (6V)	280mA
Continuous Rotation Modifiable	No
Direction w/ Increasing PWM Signal	Clockwise
Deadband Width	8µs
Motor Type	3 Pole Ferrite Motor
Feedback Style	5KΩ Potentiometer
Output Shaft Support	Outer case serves as bearing
Gear Material	Nylon
Wire Length	6.29" (160mm)
Weight	0.58oz (16.6g)
Wire Gauge	28AWG
Servo Size	Micro

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 31081S.



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, Acetal 32 Pitch Servo Gears

This website uses cookies to ensure you get the best experience on our website

Accept Cookies



Servo
Power

Servo
Power



6V
Batteries

6V
Batteries



Wing
Mount

56307
Wing
Mount
\$8.99




Servo
Connector

6 PACK
(Yellow) - 6
2917-0001-0...
Servo-
Connector
Clip
2917-
0001-0001
\$5.99 / 6
Pack



Servo
Travel
Tuner

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



Servo
Winch
Pulley
(C24T
Spline)
56314
Servo
Winch
Pulley
(C24T
Spline)
\$8.99



56403
Hitec OEM
Replacement
Gear Set
56403
Hitec OEM
Replacement
Gear Set
\$4.49



4-
Channel
RC Servo
Multiplexer
605074
4-Channel
RC Servo
Multiplexer
\$9.99



6" Hitec
Super-Duty
Extension
Male to
Female
Servo
Extensions



6"
Length

Female
Servo
Leads



0.250"
Pitch, 10
Tooth
Aluminum
Sprocket
with 24
Tooth
Spline
HS250-10A
0.250"
Pitch, 10
Tooth
Aluminum
Sprocket
with 24
Tooth
Spline



Servo
Rotary
Driver

SR500
Servo
Rotary
Driver
\$5.95



Servo
Controllers

Servo
Controllers



6" Hitec
Super-Duty
Y-Harness
Servo Y-
Harnesses

Servo
Connectors
& Wire

Servo
Signal
Boosters



C24T
Servo
Spline
Horns
C24T Servo
Spline
Horns

This website uses cookies to ensure you get the best experience on our website

Accept Cookies