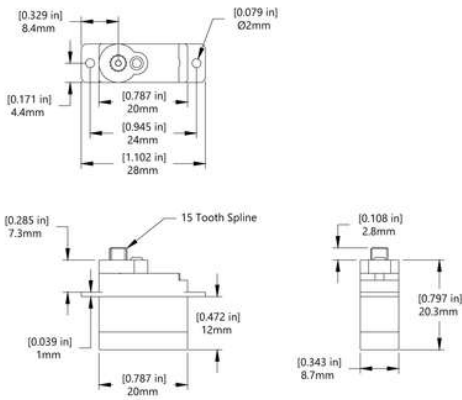


Hem / MOTION / Servos & Accessories / Servos

HS-40 Servo

SKU: 31040S



\$13.49

▼

1

▲

Add to Cart

Add to Wish List



Hitec's research department and engineers work tirelessly at developing economical servo technology that outperforms the competition and the HS-40 nano analog servo delivers just that. With a three-pole cored motor and resilient nylon gears, this affordable servo is a dream come true for micro aircraft, sailplane and helicopter pilots.

HOW FAR WILL THIS SERVO ROTATE?

The answer to this question is partially dependent on what you are using to control the servo.  
[Click for a quick video explanation.](#)

With an Average  
Radio System:  
93°

Radio System +  
Travel Tuner:  
195°


Wide Signal  
Controllers:  
195°

Your average transmitter and receiver will output a relatively narrow PWM signal range.

Adding a [Servo Travel Tuner](#) to your radio system setup will allow you to achieve wide PWM signal ranges.

Controllers such as the [Actobotics® 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	<a href="#">A15T Spline</a>
Voltage Range	4.8V - 6.0V
No-Load Speed (4.8V)	0.12 sec/60°
No-Load Speed (6.0V)	0.10 sec/60°
Stall Torque (4.8V)	8.4 oz-in (0.60 kg.cm)

Stall Torque (6.0V)	10.5 oz-in (0.75 kg.cm)
Max PWM Signal Range	615-2495 µsec
Travel per µs (Stock)	.104°/µsec
Max Rotation	195°
Pulse Amplitude	3-5V
Operating Temperature	-20°C to +60°C
Continuous Rotation Modifiable	No
Direction w/ Increasing PWM Signal	Clockwise
Deadband Width	8µs
Motor Type	Cored Metal Brush
Feedback Style	5KΩ Potentiometer
Output Shaft Support	Outer case serves as bearing
Gear Material	Nylon
Wire Length	6.29" (160mm)
Weight	0.17oz (4.8g)
Wire Gauge	28AWG
Servo Size	Nano

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 31040S.



Male to Female Servo Extensions



55367 Hitec OEM Replacement Gear Set  
\$2.99



Female Servo Leads



605074 4-Channel RC Servo Multiplexer  
\$9.99



Servo  
Controllers



Servo Signal  
Boosters



A15T Servo  
Spline  
Horns



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



Servo Y-  
Harnesses




6V Batteries



Servo  
Power



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

 Servo  
Monitor

  
3109-0005-0...  
Servo  
Monitor  
\$24.99