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# HS-422 Servo



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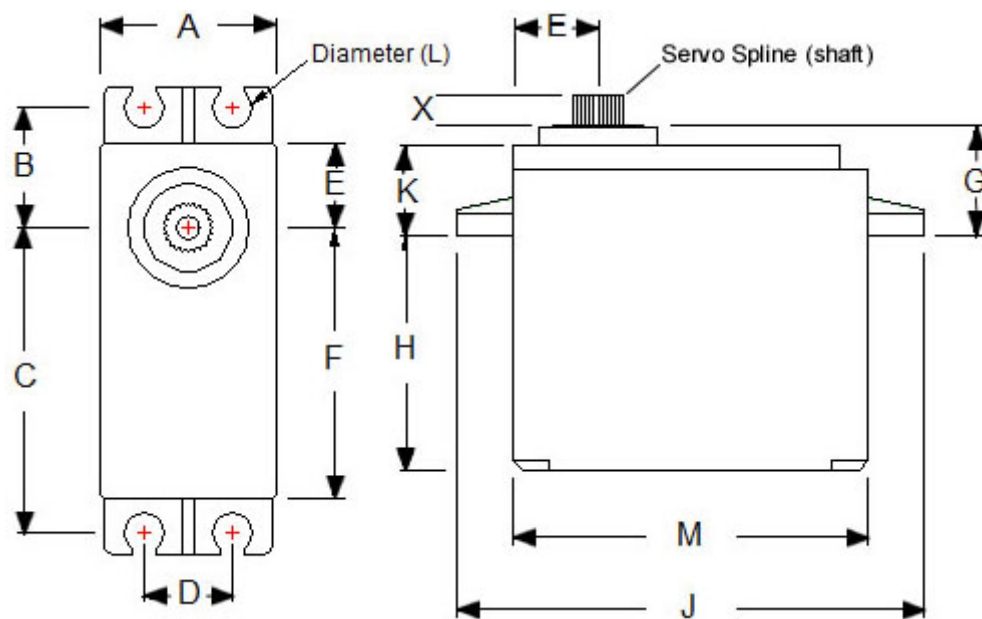
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Price	<b>\$12.29</b> <a href="#">Sign up for Price Alert</a>
Part	<b>31422S</b>
Status	<b>Out of stock</b>

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The HS-422 is one of the most durable and reliable servos Hitec has ever offered. With its dual iron-oilite bushings, high impact resin gear train and high performance circuitry, the HS-422 features excellent centering and resolution.

## SPECS



A = .780" (19.82mm)

B = .530" (13.47mm)

C = 1.33" (33.79mm)

D = .400" (10.17mm)

E = .380" (9.66mm)

F = 1.19" (30.22mm)

G = .460" (11.68mm)

H = 1.05" (26.67mm)

J = 2.08" (52.84mm)

K = .368" (9.35mm)

L = .172" (4.38mm)

M = 1.57" (39.88mm)

X = .120" (3.05mm)

Dimensions	1.59" x 0.77" x 1.44" (40.39 x 19.56 x 36.58mm)
Product Weight	1.6oz (45.5g)
Output Shaft Style	24 tooth (C1) spline
Voltage Range	4.8V - 6.0V
No-Load Speed (4.8V)	0.21sec/60°
No-Load Speed (6.0V)	0.16sec/60°
Stall Torque (4.8V)	45.82 oz/in. (3.3kg.cm)
Stall Torque (6.0V)	56.93 oz/in. (4.1kg.cm)
Pulse Amplitude	3-5V
Operating Temperature	-20°C to +60°C
Current Drain - idle (4.8V)	8mA
Current Drain - idle (6.0V)	8.8mA
Current Drain - no-load (4.8V)	150mA
Current Drain - no-load (6V)	180mA
Continuous Rotation Modifiable	Yes
Direction w/ Increasing PWM Signal	Clockwise
Deadband Width	8μs
Motor Type	3 Pole Ferrite

Potentiometer Drive	Indirect Drive
Feedback Style	5KΩ Potentiometer
Output Shaft Support	Dual Oilite Bushing
Gear Type	Straight Cut Spur
Gear Material	Nylon
Wire Length	11.81" (300mm)
Wire Gauge	25AWG

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## Recommended Products



Standard Servo Plate C



180° Servo Stretcher



DDT500 Tilt Kit



24 Tooth 0.500" Servo Shaft



Servo Grease



Actobotics® Servo Controller



0.250" Pitch, 10 Tooth Aluminum Servo Sprocket with 24 Tooth Spline



DDP125 Standard Pan



24 Tooth 0.375" x 0.280" Servo Shaft



C1 Spline Actobotics Servo Arm



DDT560 6" Tilt



OEM Hitec Male (Gold Pin)



SPT100 Pan & Tilt Kit



C1 Spline Servo to 1/4" Shaft Coupler (Set Screw)



48P, 24T C1 Spline Servo Mount Gears (Metal)



Standard Servo Plate A



56334 Hitec OEM Replacement Gear Set



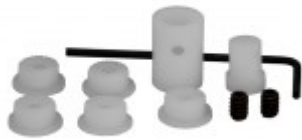
Standard Servo Plate D



48P, 24T C1 Spline Servo Mount Gears (Acetyl)



DDT540 4" Tilt



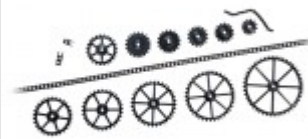
Servo Rotary Driver



Standard Hitec Hub Horn



4 Servo Recorder



0.1227" Pitch, Nylon Servo Sprockets



DDP155 Base Pan



24 Tooth 0.375" x 1.00" Servo Shaft



C1 Spline Actobotics Dual Servo Arm



Dual Servo Driver



56339 Hitec OEM Replacement Case Set



SPT200 Pan & Tilt Kit



Standard Servo Screw



32P, 24T C1 Spline Servo Mount Gears (Metal)



Standard Servo Plate B



Direct Mount Servo Wheel (2 pack)



2 Servo Joystick



32P, 24T C1 Spline Servo Mount Gears (Acetyl)



Vertical Aluminum Servo Mount



24 Tooth Spline Servo to Shaft Couplers



24T Lightweight Hub Horn

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