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ServoCity- Servos & Accessories- Hitec Servos- HS-311 Standard-

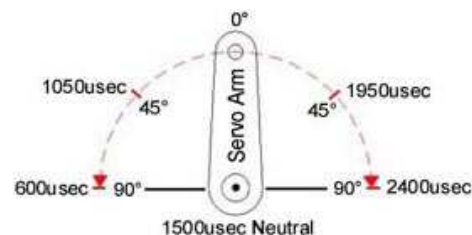
HS-311 Standard

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MAXIMUM TORQUE **49 oz-in.**
MAXIMUM SPEED **0.15 sec/60°**

The HS-311 is the perfect servo for inexpensive applications. Do not let the price fool you though, this servo features many of the same aspects of more expensive servos. One piece circuit board and tight mesh gears ensures great durability. Comes with a number of various servo horns and arms with mounting hardware.

Analog Servo


This servo can operate 180° when given a pulse signal ranging from 600uSec to 2400uSec. Since most R/C controllers cannot generate this wide of signal range, you will need to use our [servo stretcher](#) for 180° operation.

Price: **\$8.99**

Part: 31311S

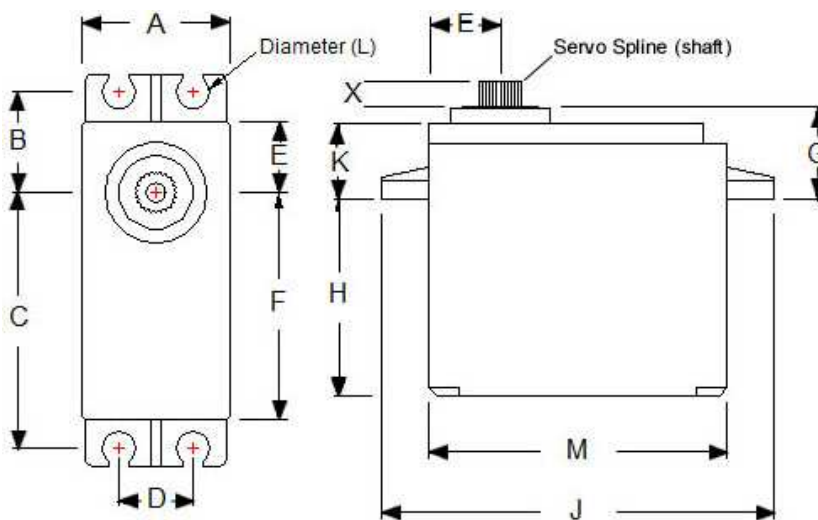
Status: **In-Stock**Rotation: Direction: Qty:

Detailed Specifications

Control System: +Pulse Width Control 1500uSec Neutral
Required Pulse: 3-5 Volt Peak to Peak Square Wave
Operating Voltage: 4.8-6.0 Volts
Operating Temperature Range: -20 to +60 Degree C
Operating Speed (4.8V): 0.19sec/60° at no load
Operating Speed (6.0V): 0.15sec/60° at no load
Stall Torque (4.8V): 42 oz/in (3.0 kg/cm)
Stall Torque (6.0V): 49 oz/in (4.5 kg/cm)
Current Drain (4.8V): 7.4mA/idle, 160mA no load operating
Current Drain (6.0V): 7.7mA/idle, 180mA no load operating
Dead Band Width: 5uSec
Operating Angle: 45° one side pulse traveling 450uSec
Direction: Multi-directional
Motor Type: Cored Metal Brush
Potentiometer Drive: 4 Slider/Direct Drive
Bearing Type: Top Resin Bushing
Gear Type: Nylon
360 Modifiable: [Yes](#)
Connector Wire Length: 11.81" (300mm)
Weight: 1.52oz (43g)



Servo Hardware & Accessories



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)

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