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HS-485HB Servo

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MAXIMUM TORQUE ➔ **83.3 oz-in.**
MAXIMUM SPEED ➔ **0.18 sec/60°**

The HS-485HB servo is one of the best deals going. Nearly 84 oz-in. of power for under \$17. We use this servo for all types of robotic applications. HS-485HB updates the very popular HS-475HB by adding more torque and greater speed. With a top ball bearing, heavy duty, high impact Karbonite™ gears and high performance circuitry, the HS-485HB offers lots of torque and features excellent centering and resolution.

➔ Analog Servo



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): 0.22sec/60° at no load
Operating Speed (6.0V): 0.18sec/60° at no load
Stall Torque (4.8V): 66.6 oz/in. (4.8kg.cm)
Stall Torque (6.0V): 83.3 oz/in. (6.0kg.cm)
Operating Angle: 45 Deg. one side pulse traveling 400usec
Continuous Rotation Modifiable: Yes
Direction: Clockwise/Pulse Traveling 1500 to 1900usec
Current Drain (4.8V): 8mA/idle and 150mA no load operating
Current Drain (6.0V): 8.8mA/idle and 180mA no load operating
Dead Band Width: 8usec
Motor Type: 3 Pole Ferrite Motor
Potentiometer Drive: Indirect Drive
Bearing Type: Top Ball Bearing, Lower Bushing
Gear Type: Karbonite Gears
Connector Wire Length: 11.81" (300mm)
Dimensions: See Schematic
Weight: 1.59oz (45g)

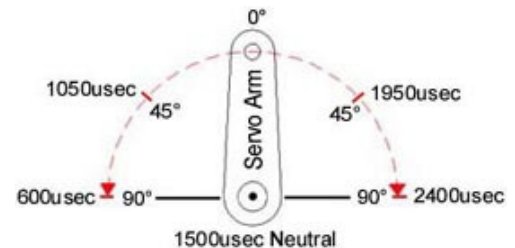


Ball Bearings & Karbonite™ gears

Price: **\$16.99**Part: **33485S**Status: ➔ **In-Stock**

Rotation: 90° Rotation (Stock) ▼

Direction: Clockwise (Stock) ▼

Qty: 1 ▼ [Add to Cart](#)

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 purchase our [servo stretcher](#) for 180° operation.



The HS-485HB is a standard size servo.

GENERAL SERVO INFORMATION

[MORE INFO](#) WHAT IS A SERVO?

[MORE INFO](#) HOW SERVOS WORK

[MORE INFO](#) WHAT SERVO TO USE

[MORE INFO](#) SERVO POWER & SPEED

[MORE INFO](#) ROTATION DIRECTION

[MORE INFO](#) CONNECTOR TYPES

[MORE INFO](#) 180 DEGREE ROTATION

[MORE INFO](#) CONTINUOUS ROTATION

Uses C1 Standard Spline

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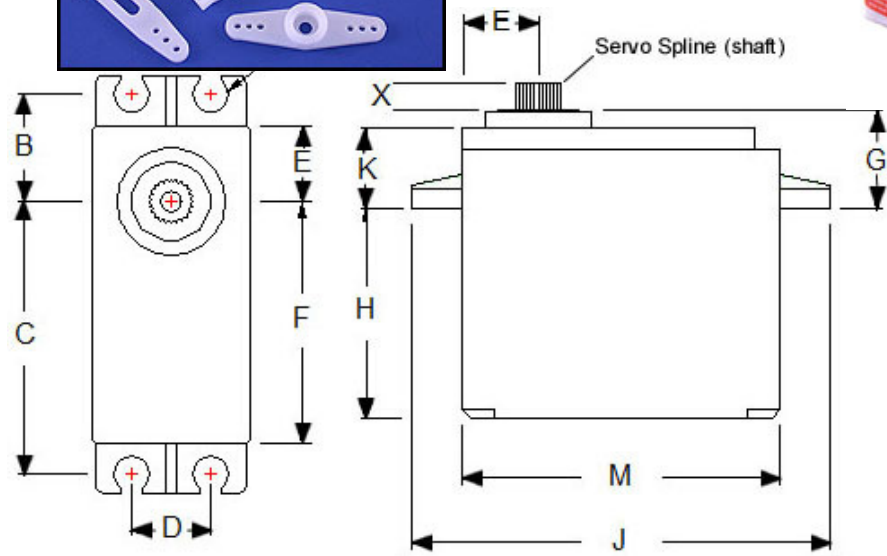
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