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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)

Price: **\$16.99**

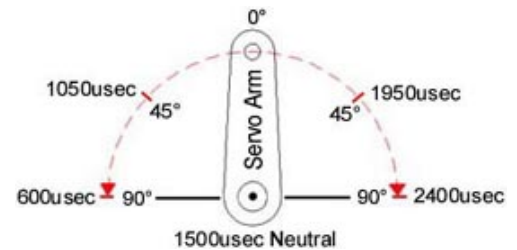
Part: **33485S**

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.

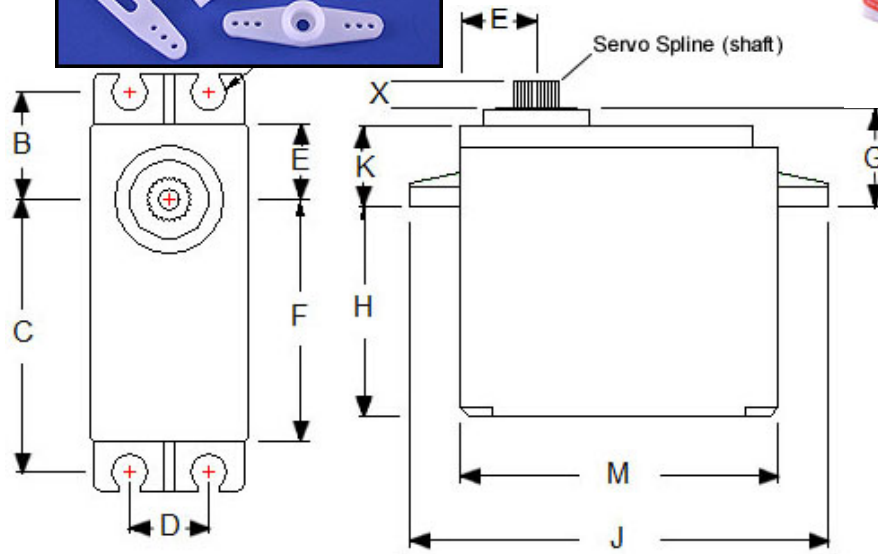


Ball Bearings & Karbonite™ gears

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



- A = .780" (19.82mm)
- B = .547" (13.9mm)
- C = 1.352" (34.35mm)
- D = .394" (10mm)
- E = .394" (10mm)
- F = 1.181" (30mm)
- G = .472" (12mm)
- H = 1.102" (28mm)
- J = 2.09" (53.1mm)
- K = .384" (9.75mm)
- L = .174" (4.42mm)
- M = 1.575" (40mm)
- X = .126" (3.2mm)

Hitec Servo Accessories

[Click on the picture for further information.](#)



Hitec Casesets



Servo Screws



Servo Hardware



Servo Extensions



Servo Arms

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