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## HS-325HB BB Deluxe

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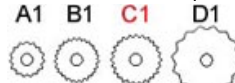
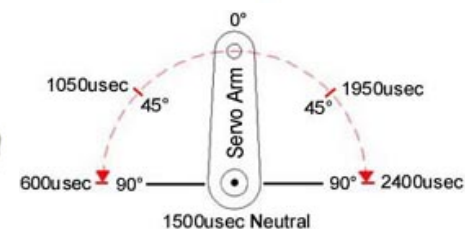
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**MAXIMUM TORQUE → 51 oz-in.**
**MAXIMUM SPEED → 0.15 sec/60°**

The key to the great performance and durability of the HS-325HB servo is a combination of Karbonite gears, one piece circuit board and a ball bearing supported output shaft. The HS-325HB's Karbonite gears are nearly 4 times stronger than nylon gears and provide virtually wear-free performance. You will not find another servo that offers all the features and durability of the HS-325HB for the same price!

**→ Analog Servo**

Uses C1 Standard Spline


[Click for more information](#)


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

 Price: **\$12.99**

 Part: **333255**

 Status: **→ In-Stock**

 Rotation: **90° Rotation (Stock)**

 Direction: **Clockwise (Stock)**

 Qty: **1** [Add to Cart](#)

### 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**

### Detailed Specifications

**Control System:** +Pulse Width Control 1500µsec 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):** 51 oz/in (3.7 kg/cm)

**Current Drain (4.8V):** 7.4mA/idle and 160mA no load operating

**Current Drain (6.0V):** 7.7mA/idle and 180mA no load operating

**Dead Band Width:** 5µsec

**Operating Angle:** 40 Deg. one side pulse traveling 400µsec

**Direction:** Clockwise/Pulse Traveling 1500 to 1900µsec

**Motor Type:** Cored Metal Brush

**Potentiometer Drive:** 4 Slider/Direct Drive

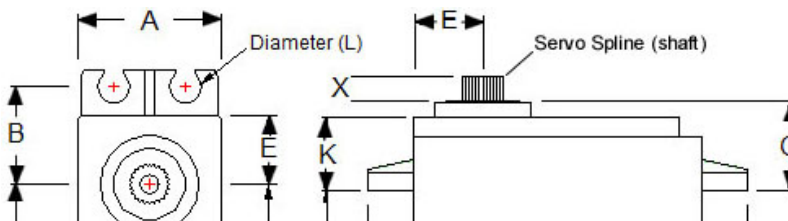
**Bearing Type:** Top Ball Bearing

**Gear Type:** Heavy Duty Karbonite

**Continuous Rotation Modifiable:** Yes

**Connector Wire Length:** 11.81" (300mm)

**Dimensions:** See Schematics

**Weight:** 1.52oz (43g)


A = 78.0" (19.82mm)

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ServoCity is a registered trademark of Robotzone, LLC.

- 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)