

List of most used 12th scale servos

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Servos are always a big question when starting with scale. The servos used in 12th scale are normally mini servos with a high speed motor and torque is not a problem for 12th scale. Below you will find a list of the most used servos in 12th scale.

I have updated the servo from KO-PROPO

Futaba 9602:

S9602 High Speed Mini
 Â FUTM0107
 Volts Torque Speed
 4.8V 30.0 oz-in. 0.11 sec/60Â°
 6.0V 37.5 oz-in. 0.09 sec/60Â°
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 Dimensions Weight
 1.4 x 0.6 x 1.2 in. 1.1 oz.
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Futaba 9650:

S9650 MiniÂ
 Â FUTM0260
 Volts Torque Speed
 4.8V 50.0 oz-in. 0.14 sec/60Â°
 6.0V 62.5 oz-in. 0.11 sec/60Â°
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 Dimensions Weight
 1.4 x 0.6 x 1.1 in.Â 0.9 oz.

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 Airtronics 94761 Digital:
 4.8V 55 Torque 0.15 sec/60Â°
 6.0V 66 Torque 0.15 sec/60Â°

 1.06 x 0.47 x 1.18 in. 0.80 oz.
 Motor Std 3 Pole, Gears P/M, Bearings 2

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 JR Z3550:

Specs
 Â Torque: 38 oz/in at 6V
 Â Speed: .11 sec/60Â° at 6V
 Â Dimensions: 0.58 x 1.30 x 1.02in
 Â Weight: 0.9 oz
 Â Bearing: Dual output
 Â Motor Type: Coreless
 Â Gears: Nylon

JR Z3650:

Specs

Â Type: Digital
 Â Torque: 42 oz/in @ 4.8V, 51 oz/in @ 6V
 Â Speed: .11 sec/60Â° @ 4.8V, .09 sec/60Â° @ 6V
 Â Dimensions (WxLxH): .58" x 1.30" x 1.02"
 Â Weight: 1.04 oz.
 Â Bearing: Single ball bearing
 Â Motor Type: Coreless Motor
 Â Gears: Metal Gears

The KO Propo 949 has been replace by the PDS-951ICS

KO Propo 949
 PDS-949 ICS
 Speed: @6V 0.09 S @ 60Â°
 Torque: 38.8 oz
 Bearing: YES, DBL
 Gearing: METAL
 Weight: 0.95 oz
 Dimensions (WxLxH): 1.42x1.21x0.59 in

Ko Propo PDS-951ICSÂ

VOLTAGE: 6V
 TORQUE: 108.3oz
 SPEED:Â 0.09 S @ 60Â°
 BEARINGS: YES, DBL
 LEAD CONNECTOR:Â GOLD PLATED
 GEARS: METAL
 WEIGHT:Â 0.95 oz
 SIZE:Â 1.42x1.21x0.59 in

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Now you need to get a Servo saver to protect your server in crashes. the list below are for Kimbrough:

Kimbrough
 113 Servo Gear Savers KO, Airt. 23 Spline Drive
 114 Servo Gear Savers Futaba 25 Spline Drive
 131 Servo Gear Savers Hitec 24 Spline Drive

Source: Futaba, JR, Ko Propo, Rctech