

# List of most used 12th scale servos

Contributed by REV Scale  
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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°  
 Â  
 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°  
 Â  
 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