

IBRAHIM ALMULHIM

MECHANICAL DESIGN

#3task

6/16/2020

What kind of engine did I use? Mg995

Why did I choose this engine?

I chose this engine based on the data on the engine data sheet

The unit comes complete with a 30 cm wire and a 3-pin "S" female head connector that fits most receivers, including Futaba, JR, GWS, Cirrus, Blue Bird, Blue Arrow, Corona, Berg, Spektrum and Hitec. It can rotate approximately 120 degrees (60 in each direction). You can use any servo code, hardware or library to control these machines, so it is great for beginners who want to make things move without building a motor controller with comments and gearbox, especially because they will suit small places.

MG995 Metal Gear Servo

Specifications

- Weight: 55 g
- Dimension: 40.7 x 19.7 x 42.9 mm approx.
- Stall torque: 8.5 kgf·cm (4.8 V), 10 kgf·cm (6 V)
- Operating speed: 0.2 s/60° (4.8 V), 0.16 s/60° (6 V)
- Operating voltage: 4.8 V a 7.2 V

