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## Gear DC Motor

What is a [Gear DC motor](#)? It is a combination of a motor and gearbox. The gear will reduce the motor speed, but increase the torque output at the same time. The typical [DC motor](#) have a high speed under load, usually 1,500-6,000, the speed of DC motor often exceeds the requirements of most applications, that's why many DC motors are paired with gearboxes. In most case, torque is increased by the ratio of the gear reduction.

In some applications where motor speed must be controlled, so only a DC motor may not be a good choice. The most important parameters of a gear motor are speed, torque, and efficiency, in order to select the most suitable gear motor for your application, you have to consider that what kinds of requirements you need most for your application.

For the category of Gear motor, a common way to distinguish is based on the type of gearing used.

There are a number of choices for the gear motor, such as planetary gear motor, worm gear motor, and the mixture of planetary gear and worm gear, etc.

So the question of whether a DC motor with or without gearbox, what kind of gearbox we need is best varies from application to application. If you have have no ideal, you can contact with us. Duowei Electric have many professional motor engineers and [R & D engineer](#), we will provide you the guidance you need, and all kinds of Gear motor you want.

