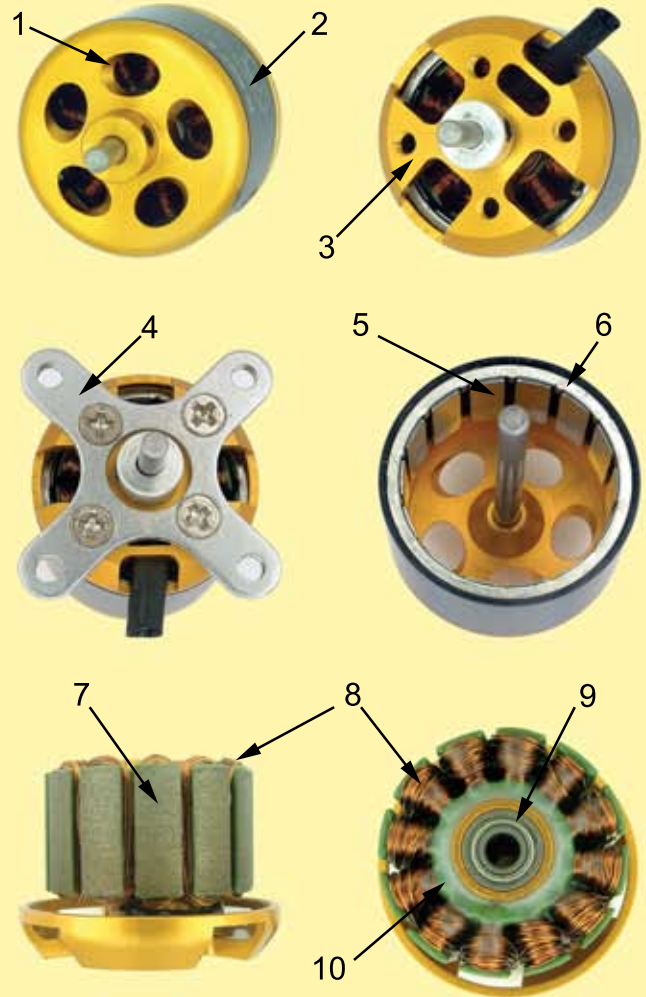


Scorpion Motors Offer Quality, Both Inside and Out

Scorpion Brushless Motors are built from the finest materials that are available today, with several design innovations that put them in a class all by themselves. From the moment you open the custom metal container, you will see that the attention to detail, and quality, are second to none. Scorpion Motors are built to give the highest levels of performance and reliability, and are backed with a 2-Year warranty. Let's take a look at some of the outstanding features that Scorpion Brushless Motors have to offer.

1. CNC Machined aluminum front housing with angled cooling slots that pump air through the motor while it runs to keep the stator and wiring cool.
2. Durable black Electro-Coat finish on the motor casing to look good for years to come. Our part numbers and company logos are laser engraved.
3. CNC machined rear housing and bearing support, with threaded mount holes for Cross Mount or Stick mount attachment.
4. All motors come with an aluminum back plate mount and hardware. All motors, except helicopter models, also come with a threaded prop adapter.
5. Motor Magnets are N50EH rated to withstand operating temperatures of 200°C (392°F), a feature exclusive to Scorpion Brushless Motors.
6. A plated steel spacer ring locks the motor magnets firmly in place, while maintaining proper alignment for optimum performance.
7. To minimize Eddy current losses, 0.20mm thick stator plates are used on our 22mm and 30mm motors, with 0.35mm plates used on larger motors.
8. High temperature wire, which is rated for operation at 180°C (356°F), is utilized in the construction of all Scorpion brushless motors.
9. High quality double shielded, permanently lubricated, ball bearings are used to support the main shaft in all of our motors.
10. Our stators are powder coated, both inside the wire channels and on the ends, to prevent winding shorts during manufacturing.



Scorpion Brushless Motor Speed Controllers



Scorpion designed the Commander Series Brushless Motor Speed Controllers to offer flyers the perfect blend of Performance, Quality and Value. These Speed Controllers have been rigorously tested to ensure maximum compatibility with a wide range of both Inrunner and Outrunner style motors. In order to provide complete functionality right out of the box, every Scorpion Speed Controller comes with a stand-alone Programming Card, included at no extra charge. With this Programming Card, there is no need to hook up a computer to change your controller settings. This feature allows quick changes of the ESC parameters right at the field. The Scorpion Speed Controllers also feature a built-in over-current protection system, which automatically reduces the power output to safe levels if the maximum current rating of the controller is exceeded for more than 15 seconds. This prevents damage to the controller from excess heat, while maintaining power to the motor. Scorpion Speed Controllers not only perform well, they also look great with gold anodized aluminum heat sink plates that are thermally bonded to the FET output transistors. The heavy duty heat shrink covering used on our Speed Controllers protects the sensitive electronic components which are located on the back side of the controller. On the front side of the Controller, this covering is cut away to expose the surface of the heat sink to airflow, which provides optimum cooling of the controller. The stamped fins on the heat sink increase the surface area to help enhance the cooling effectiveness of the heat sink assembly. To complete the performance package, all of the Scorpion Speed Controllers are backed with a 2-Year Warranty plan, providing a power system that you can depend on.

All Scorpion product specifications presented in this catalog are subject to change as a result of product updates and/or improvements.