QUICK DISCONNECT PLUGS

Model 7007 quick disconnect plug. QPL LISTED PER MS3349-2 AND MIL-P-18148. The Rebling 7007 quick disconnect plug is a two-socket, four-wire plug connector for use with lead-acid and nickel-cadmium aviation batteries. They are designed to mate with Rebling Type 7002 Series aero battery receptacles and all other receptacles meeting specification MS3509.

A unique feature of the Rebling 7007 quick disconnect is the self-aligning sockets that compensate for part-to-part dimensional variations and any movement of the mating receptacle caused by structural loading. The extra-large contact area of the Rebling 7007 socket means very low electrical losses. These features and the "compliant" socket design, ensure low contact resistance and low insertion force throughout the life of the part.

The 7007 plug accommodates rapid connection and release of the electrical load from the battery. Rotation of the handle in a clockwise direction engages the quick disconnect with the battery receptacle and maintains it in a locked position. Rotation in a counter-clockwise direction unlocks the unit. Positive and negative terminals are located on either side of the unit, with cable entry holes located horizontally. Polarity markings on the outside and inside of the unit prevent incorrect electrical connections.

The plug can accommodate up to 000 wire on both positive and negative terminals. The 7007 body is made from a chemical and fungus resistant glass-reinforced plastic. Contacts are silver-plated copper alloy.

Patent pending. Corrosion resistant stainless steel shaft and fasteners. For lead-acid and nickel-cadmium batteries. Features self-aligning compliant sockets for long life and the lowest contact resistance available.

Part No.	Wt.	Vibration
7007	1.0 lb.	±10 G between 5–500 Hz

Model 7013 quick disconnect plug. QPL LISTED PER MS3349-2 AND MIL-P-18148. The Rebling 7013 quick disconnect plug is a two-wire plug connector for use with lead-acid and nickel-cadmium aviation batteries. They are designed to mate with Rebling Type 7002 series aero battery receptacles and all other receptacles meeting specification MS3509.

This compact connector features self-aligning, compliant sockets for part-to-part dimensional tolerances and relative motion of the mating receptacle's contact pins. This feature results in a low insertion force and minimal wear on the 7013 shaft and sockets. The 7013's silver-plated copper alloy sockets also feature a large contact area resulting in very low electrical loss across the socket-receptacle pin interface.

The 7013 body is molded from a chemically resistant and heat-resistant plastic. Embossed polarity markings and a molded keyway on the body ensure that correct polarity is achieved with the mating receptacle. The maximum torque that can be applied to fasten the cable lugs is also embossed on the molded body. Engagement with the receptacle is accomplished by rotating a T-shaped handle to a locked detent position. This handle is over-molded onto a hardened stainless steel shaft. Protective coverings over the sockets are molded from the same plastic material as the body and are permanently attached using an ultrasonic process.

The 7013 can accommodate up to 000 cable on both the positive and negative terminals. The 7013 body is made from chemical and fungus resistant glass-reinforced plastic. Contacts are silver-plated copper alloy.

The 7013 is identical to our qualified 7017 quick disconnect except the two-piece protective cover is removed.

Part No.	Handle	Wt.	Shock	Vibration
7013	T-shaped handle	<0.5 lb.	15 G within 5 milliseconds	±10 G between 5–500 Hz