

Portescap Launches 30ECA64 Ultra EC™ Brushless DC Autoclavable Motor for Surgical Hand Tools

First Brushless Slotless Motor for the Surgical Hand Tool Market

Portescap, a leading supplier of global miniature motion solutions, has launched the 30ECA64 Ultra EC brushless DC motor, an autoclavable motor that has been optimized for success in surgical large bone orthopedic applications. The 30ECA64 is a complimentary, cost-effective addition to Portescap's well-known premium large bone surgical motor (B1112A4). It is the first brushless slotless product that Portescap has introduced for the surgical hand tools market.

The 30ECA64 is available in both a cannulated and non-cannulated version, with the cannulated shaft option featuring 4.7mm cannulation to allow for larger K-wires.

This motor features an autoclavable design that is capable of surviving up to 500+ sterilization cycles and delivers a high continuous torque up to 110mNm. Its 30mm diameter by 64mm length, combined with a low overall mass of 256g, ensures that it provides clean, controlled cutting without stall in a small and lightweight package.

The 30ECA64 motor is perfectly suited for battery-powered surgical hand tool applications, specifically large bone orthopedic applications such as large bone drills, reamers, and saws. It is also ideal for those users wanting to make the shift from brush DC to brushless DC technologies.

About [Portescap](#)

Portescap offers the broadest miniature and specialty motor products in the industry, encompassing coreless brush DC, brushless DC, stepper can stack, gearheads, digital linear actuators and disc magnet technologies. Our products have served diverse motion control needs in a wide spectrum of applications including medical, life science, instrumentation, automation, aerospace and commercial for more than 70 years.

Portescap has manufacturing centers in the United States and India and utilizes a global product development network with research and development centers in the United States, China, India and Switzerland.