



ThinGap's LS Line of Slotless Motor Kits
Available in sizes 25 mm to 267 mm

Product Release

Tall Version of ThinGap's LSI 59 is Part of Ongoing Product Line Expansion

High Torque, Zero Cogging and Low Profile for Precision Actuation.

Twice the height at the same speed, the new LSI 59-22 provides more torque and power while maintaining its radial dimensions.

Camarillo, CA (January 26, 2021) – ThinGap has begun the expansion of the LS series of slotless motor kits with taller variants, starting with the release of the LSI 59-22. The LSI 59-22 has an outer dimension (OD) of 59mm and axial heights of 22mm. Like all ThinGap motors, the stator is very thin and the rotor is optimized, resulting in an overall low profile motor with a very large aperture. Both the LS and TG Line of slotless motor kits feature high-performance, zero cogging, high efficiency, and are lightweight.

This new variant of the LSI 59 is less than twice the axial height (22mm vs 13mm) of the original part but is able to provide more than twice the torque (0.38 N-m vs 0.18 N-m) at essentially the identical maximum speed (nominally 2800 RPM). The new LSI 59-22 is part of the ongoing addition of “tall” variants to all sizes within ThinGap's LS product line. By the end of Q1 2021, almost all LS motor kits are expected to have at least one tall variant.

The LS Line of is ideally suited for smooth and precise motion in targeted applications, such as robotics, automation, and optics in the typical aerospace, medical, precision industrial and communications markets. With OD sizes from as small as 25 mm and up to 267 mm wide, the LS line range in continuous torque from 0.1 N-m up to 12 N-m. Standard, modified-standard, and custom designs are available in both in-runner (rotor position relative to the stator) and out-runner configurations.

About ThinGap

For over fifteen years, ThinGap has been a world leader in the design and manufacturing of USA-made, high performance frameless electric motor and generator kits.