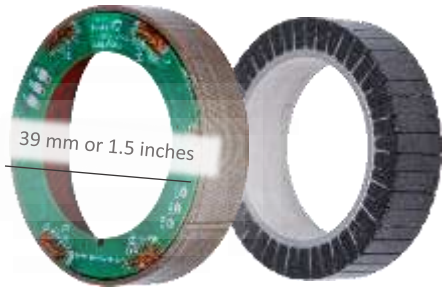

ThinGap's new LSI 39 Slotless Motor Kits

Product Release

New 39 mm-Sized LS Motor Kits, Available in Three Axial Heights

Like all ThinGap motors, High Torque, Zero Cogging and Low Profile for Precision Actuation

Part of the ever-expanding line of frameless and housed LS Torque Motor Kits

Camarillo, CA (December 1, 2021) – ThinGap has continued the build-out the LS Series of slotless motor kits with the latest release, three different LS "in-runner" frameless motor kits. The new LSI 39 products have an outer dimension (OD) of 39 mm or 1.5 inches, and are available in three different axial heights of 10 mm, 17 mm, and 39 mm. These motors are able to deliver between 0.033 and 0.279 N-m of continuous torque at 6,400 RPM. Much higher levels of peak torque are possible for shorter durations. Low rate product quantities of the new LSI 39 products will be shipped to customers in January 2022, and complete datasheets and CAD model are available for immediate design considerations.

Like all ThinGap motors, aside from being cogless, the stator windings are very thin and the rotor is optimized, resulting in a precision movement within a low-profile form factor with a very large through-hole.

The LS line of torquer motors is being widely used in gimbals, optics, robotics and precision industrial applications that need cogless movement and are also looking for efficiency, low harmonic distortion, highly linear torque output and a compact form factor.

"The addition of a new smaller-sized set of motor to the LS Series really helps fill out the lower end of the product line," said Joseph Kay, Director of Engineering at ThinGap. "We continue to establish ourselves as the market leader for slotless motor kits and assemblies, whether as part of our Standard Products or commonly modified-standard, and custom designs."

This new variant of the LS fits in between the already established LSI 25 and LSI 51 motors sized motor sets and is part of the ongoing addition of variants within ThinGap's LS product line. The LS Line of is ideally suited for smooth and precise motion in targeted applications in the typical aerospace, medical, precision industrial and communications markets. With OD sizes from as small as 25 mm and up to 267 mm, the LS line range in continuous torque from 0.1 N-m up to 12 N-m.

For additional information on pricing and availability, please contact the company at info@thingap.com or visit www.thingap.com.

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.