



Product Release

The new LSI 146-16 is ThinGap's thinnest large-sized LS Series motor kit to date

With an outer diameter of 146 mm, the LSI 146-16 fits between the LSI 130 and LSI 152 motor kits

The axial height of the newest addition to the LS Series is only 16 mm tall

Camarillo, CA (September 16, 2023) – ThinGap continues to build out its LS Series of slotless motor kits with the latest release, the LSI 146-16. The new LSI 146-16 kit has an outer diameter (OD) of 146 mm, and an axial height of just 16 mm. With a total mass of 507 grams, it offers a continuous torque output of 1.48 N-m, and peak 1 second torque as high as 18.1 N-m.

Despite a maximum operating speed of up to 1,600 RPM, the LSI 146-16 was designed for use in slower speed gimbal systems, joining other LS Series models that have found uses in this application. Multi-axial gimbal systems leverage the benefits of high performance cogless Ring Motors, such as ThinGap's industry leading LS Series, to directly drive movement and maintain position, while offering significant Size, Weight, and Power (SWaP) savings.

Using its proprietary thin wire-wrapped stators and optimized permanent-magnet rotors, ThinGap provides motors with specifications that can match the torque output of slotted motors, while avoiding the cogging, size and weight penalty that plagues them. ThinGap's LS Series of slotless motor kits range in size from 25 to 267 mm diameter and torque from 0.1 to 12 N-m continuous and voltages from 24-400 volts.

For additional information on custom motor development, please contact the company at info@thingap.com or visit www.thingap.com.

About ThinGap

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