

Linear Actuator Replaces Existing Size 17 Units



Haydon Kerk Motion Solutions has released a new version of the 36-mm G4 linear actuator. This configuration includes a special adapter plate that allows the smaller 36-mm OD unit to replace existing size 17 hybrid stepper motor linear actuators. The performance of the 36-mm G4 linear actuator not only exceeds the performance of comparable size can stack actuators in the marketplace but also meets the performance of the larger hybrid size 17 single stack actuators, according to the company. The 36mm unit with the integrated size 17 adapter plate replaces existing hybrid units by using the same bolt pattern and pilot surface. Assuming the higher step resolution of the hybrid style actuators isn't required for the application, the 36 mm can-stack with the size 17 adapter plate is asserted to provide the performance and life of the more expensive size 17 units. Force output range of the G4 36mm can stack is from 70N to 260N (16lb to 58lb). Output resolution ranges from 0.013mm (0.0005") to 0.102mm (0.004") per step command.

The G4 linear actuator architecture employs the latest technologies to extend reliability and meet higher performance requirements. The design utilizes optimized teeth geometry along with high-energy neodymium magnets that result in a higher continuous force output in a small package. With 20% higher output force across the entire speed range, compared with other designs of similar size, the G4 also contains the latest custom-engineered plastics and larger bearings for greater rotor support and higher axial load capability.

The 36mm linear actuator is ideal for applications that include medical equipment, bar code scanning devices, printing equipment, laboratory instrumentation and other mechanisms requiring high force in a small package. As with other Haydon stepper motor linear actuators, there are three configurations available: Captive, Non-Captive, and External Linear.

Haydon Kerk Motion Solutions

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