



Product

Modified B-Track K2XEP

Application

Egg Incubators

Highlights

- AC Motor ball screw
- Aluminum extension tube
- 800 lbs. (362kg) load capacity
- Optional electronic control module with integral electronic stroke limits and power connections
- Special mounting bracket attached for easier customer assembly

Reliable linear actuators were needed by a leading European manufacturer of egg incubators (up to 130,000 capacity) used by commercial hatcheries in over 170 countries. Trolleys (racks) containing stacked trays of eggs are rolled into the incubator chamber and connected to a mechanism which rotates the trays to precise turning angles at various preset times throughout the incubation cycle. The turning mechanism is engaged by linear actuators which are positioned on the roof of the incubator cabinet.

Warner Linear provided modified B-Track Model K2XEP actuators with a 20:1 gear ratio and a 12" stroke length to meet the customer's specific application requirements. The units feature an AC motor ball screw with an aluminum extension tube and an optional electronic control module with integral electronic stroke limits and power connections. A high-strength aluminum gearbox provides maximum heat dissipation and high-strength stainless thru-bolt fasteners allow for high-load capability, up to 1,500 lbs. (680kg). The load limit for this application was set for 800 lbs. (362kg).

The K2XEP also features a patented in-line load transfer, ball nut, and Nitrotec® treated end fitting with integral O-ring seals for superior moisture and corrosion resistance. Other features include a standard bi-directional holding brake, and a heavy-duty sealed, double ball bearing motor.

Per request, a special customer-supplied mounting bracket was attached to the actuators to allow for easier assembly onto their equipment.

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