



## Product

## K2M Linear Actuators

## Application

## Marine Hatches

## Highlights

- Various sized K2M models provided
- Marine Motor Certified – ignition-protected, non-sparking motors
- Up to 500 lbs. load capacity
- 4" to 24" stroke lengths
- Weather-tight with integral O-ring seals
- Nitrotec® treated end fittings

A leading distributor of high-performance marine products was looking for a reliable line of electric actuators for use in boat engine compartment hatch lifts. Typical high-performance custom "cigarette" boats can be over 55 ft. in length and can reach speeds in excess of 60 mph. Power is supplied by two large horsepower inboard engines positioned side-by-side in the rear of the craft. Lifting the heavy cover/hatch above the large engine compartment can be a strenuous challenge.

Warner Linear was selected to "do the heavy lifting" by supplying 18" and 24" stroke K2M electric actuators with up to 500 lb. load capacity. 4", 6" and 8" stroke models with 75 lb. to 250 lb. load capacities are also provided for use on seat lifts, driver canopy lifts, and windshield adjustment. All actuators are easily operated with the push of a button.

K2M models feature ignition-protected, non-sparking motors (marine motor certified) which are designed for use in enclosed areas, such as engine compartments, where dangerous fumes can build up. Also important in this salt water operating environment, all units are weather-tight with integral O-ring seals and feature heavy-wall rod and extension tube, bi-directional holding brake and Nitrotec® treated end fittings for superior strength and corrosion resistance. Gear materials are selected for high-load impact and durability. A unique (patented) screw end bearing guide provides smooth extension operation, high side-load capability and aids in screw re-lubrication. Heavy-duty, sealed double ball bearing motor and a mechanical torque limiter for end of stroke and overload protection are also featured.

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