



Product

I-Track Electric Actuator

Application

Handicap Van Ramp

Highlights

- New inline design fits narrow footprint requirement
- Up to 200 lbs. (90kg) load capacity
- Release clutch allows for easy manual operation if needed

A leading manufacturer of ramps for handicap vans required a reliable linear actuator to fold and unfold a ramp that extends from the van's sliding side door. The problem was that the previous actuator used required tremendous force to manually retract the ramp if the vehicle stalled or a power failure occurred.

Since a parallel motor type actuator would not fit in the limited space available, Warner Linear engineers worked closely with the customer while designing the I-Track, a unique inline actuator. The I-Track features a release clutch which allows the actuator rod to float when power is off. When the clutch is disengaged, less than 5 lbs. of force is required to move the ramp. The clutch also provides overload protection.

After standard validation testing, a 51-day/350,000 cycle combined environmental chamber test was performed. Since the actuator is mounted to the underside of the van, it was subjected to rigorous conditions including salt spray, 5000psi spray, vibration, extreme temperatures and humidity.

The I-Track has a load capacity up to 200 lbs. with nitrile impregnated gaskets for superior sealing and nitrotec-coated steel components for enhanced corrosion resistance. Models feature a ball screw for long life, a steel rod for durability and are IP66 capable.

US (Application Assistance)
1-800-825-9050
warnerlinear.com

Europe
+33 (0) 2 41 21 24 76

Asia Pacific
For a list of our AP sales offices:
altramotion.com/contactus