



## Products

## K2x Linear Actuator

## Application

## All-Terrain Vehicle Dump Box

## Highlights

- Superior life cycle test results
- Outperformed competitive unit in washdown testing
- High-quality components for rugged-duty applications

The Warner Linear K2x actuator was designed for rugged duty, with options recently designed for mobile off-highway applications. It has a patented in-line load transfer design and many robust features which make it a mobile-tough product ideally suited for ATV dump box applications where the actuator is used to raise and lower the dump box.

The K2x has demonstrated superior performance over competitive models in life cycle and washdown tests due, in large part, to design characteristics, quality manufacturing methods and higher quality materials including the wrap spring brake assembly, needle bearing thrust washers, synthetic lubricant, shaft ball bearings and end seals. Important in this application is the patented ball bearing design in the rear clevis which provides higher load capacity than thrust bearings used on competitive units.

The K2x is rated for a 2,200 lb. load capacity; however, Warner Linear has designed a 30:1 gear ratio that allows the unit to reach a 2,700 lb. load capacity. The nearest competitive model offers a 1,000 lb. load capacity.

For this ATV dump box application, a special wiper seal was designed on the end fitting for additional protection in extremely sandy, muddy or wet environments. Warner Linear also designed a new optional two-way clutch that provides 2,700 lbs. of load capacity when elevating the dump box, but adjusts the load to only 200 lbs. on retraction which prevents potential damage to structural components.

Warner Linear also recently designed an optional "Quick Stop" bi-directional current limit control that limits the amp draw so if someone were to get stuck between the dump bed and chassis, the control would immediately stop the bed motion.

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