



LINEAR ACTUATORS

SERIES	LOAD CAPACITY, N.	TRAVEL	LENGTH	ACCURACY
DL15-DL33L (72 MODELS)	150-900	25-410MM	101.2-576.9MM	4µm-10µm

New Del-Tron DL series linear actuators offer the benefits of a space-saving design, fast and simple assembly, long life, and a competitive price. The rigid enclosed aluminum box structure provides a compact envelope that incorporates the linear bearing and drive mechanism. Integrating all components into a single unit that includes the motor mount, saves assembly time and eliminates the need to source additional parts. Del-Tron's DL linear actuators are competitively priced and will outlast unsupported and unenclosed bearing drive assemblies.

Del-Tron's integrated design offers low friction and high accuracy in a compact, lightweight package. DL series linear actuators are offered in travel lengths up to 410 millimeters. They feature an integrated anti-friction slide and a ball screw or Teflon coated lead screw drive and recirculating, slide guide bearings for friction-free movement with a coefficient of friction of only 0.01.

The anti-backlash lead screw nut is spring-loaded to ensure positive movement when changing direction. The units offer straight-line accuracy of less than 2 microns and repeatability of less than 1 micron. They deliver 254 million mm of travel at their full load rating.

Options for Del-Tron DL series linear actuators include either an Oriental PK223, PK243 or PK264 stepper motor, or a Yaskawa SGMM, SGMAH or SGMPH servomotor. Mounts are available for other styles of motors. Photoelectric or proximity position sensors are available. An anti-dust containment cover protects moving components while also preventing particulate emissions. Load capacities range from 150 newtons to 900 newtons.

Del-Tron can provide special leads, diameters, couplings, motor mounts, and vary the size, type and travel of slides on request. Del-Tron's website offers access to 2D and 3D CAD drawings which may be downloaded into the user's CAD system in a number of native CAD formats. Life and moment load calculators are also available to determine the suitability of a particular linear bearing for the intended application.

For more information on Del-Tron's Linear Actuators, [click here](#).



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