



Electric Heavy-Duty Linear Actuators





Founded in 1980, EDrive Actuators, Inc. manufactures electric heavy-duty linear actuators for tough, industrial automation applications. Our products are used in a wide variety of industries where conservative design, rugged construction, long life, and high precision are required and valued. More specifically, as replacements for older power solutions like hydraulic and pneumatic actuators.

An ever increasing number of machine builders are switching to electric linear actuators to meet the demands of modern industry.

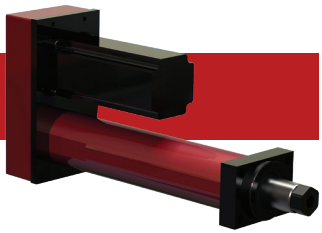
BENEFITS OF ELECTRIC ACTUATION INCLUDE:

- Cleaner, quieter and more energy efficient
- Improved performance
- Less maintenance required
- Higher accuracy and repeatability
- More flexibility and scalability
- Higher speed and force
- Greater system stiffness
- Lower operating costs

PRODUCT FEATURES INCLUDE:

- Capacities up to 100,000 lbs
- Velocities up to 65 in/sec
- Inline and Parallel Offset configurations
- 316 Stainless Steel actuators available
- Integrated Load Cell for bi-directional feedback
- Built to fit the motor of your choice

Tac ET™ Actuator



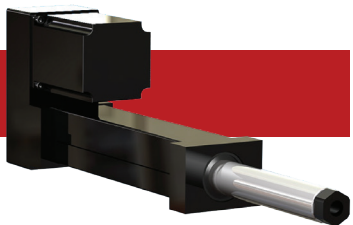
Cost-Effective, High Quality, Low Force

Tac ET series linear actuators are high quality, rugged and durable linear actuators for lower force applications. These actuators are constructed using aluminum housings with steel components, chrome plated heavy wall steel pistons, and steel/bronze anti-rotation components that make them the most rigid in their class.

FEATURES:

- Rated thrust up to 300 lbs
- Piston with rugged anti-rotation feature
- Velocities up to 33 in/sec, Stroke lengths up to 12 inches
- Multiple motor/actuator mounting configurations available
- Limit switches available
- Sealed chamber design with purge provision

Tac LS™ Actuator



Long Stroke, High Speed, High Force

Tac LS series linear actuators are ideal for long stroke applications that must deliver high thrust loads at faster velocities. These high quality, durable linear actuators, are constructed using aluminum housings, alloy cylinders and chrome plated heavy wall steel pistons, and steel/bronze anti-rotation components.

FEATURES:

- Long stroke with thrust up to 2,000 lbs
- Piston with rugged anti-rotation feature
- Velocities up to 40 in/sec, Stroke lengths from 24 to 60 inches
- Multiple motor/actuator mounting configurations available
- Limit switches available
- Easy to lubricate in the field
- Sealed chamber design with purge provision

Tac VT™ Actuator



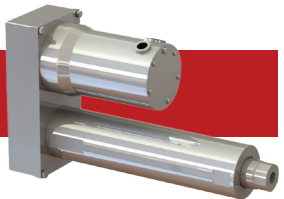
Cost-Effective, High Quality, High Speed, High Force

Tac VT series linear actuators deliver higher thrust loads at faster velocities than the ET series, while offering the same high quality, high speed and rugged durability. These units are constructed using aluminum housings with steel components, chrome plated heavy wall steel pistons, and steel/bronze anti-rotation components.

FEATURES:

- Rated thrust up to 2,000 lbs
- Piston with rugged anti-rotation feature
- Velocities up to 40 in/sec, Stroke lengths up to 24 inches
- Multiple motor/actuator mounting configurations available
- Limit switches available
- Easy to lubricate in the field
- Sealed chamber design with purge provision

Tac VS™ 316 Stainless Steel Actuator



Stainless Steel Actuator, High Quality, High Speed, High Force

Tac VS series stainless steel linear actuators deliver all the performance advantages of VT actuators with the added benefit of a 316 stainless steel housing. They are ideally suited for severe environments and caustic wash-down conditions.

FEATURES:

- 316 Stainless Steel Housing
- Rated thrust up to 2,000 lbs
- Piston with rugged anti-rotation feature
- Velocities up to 40 in/sec, Stroke lengths up to 24 inches
- Multiple motor/actuator mounting configurations available
- Limit switches available
- Easy to lubricate in the field
- Sealed chamber design

Eliminator SS™ & SSL™ Super Speed Linear Actuators



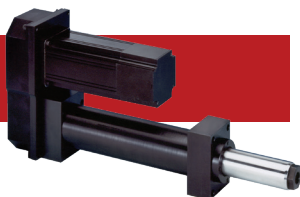
Heavy Duty, Super Speed, Precise Motion

Eliminator SS & SSL series linear actuators provide the ideal solution for applications that demand movement of high thrust loads at extremely high speeds. The combination of high thrust, fast actuation, and precision motion is provided in a durable actuator built on the heavy duty Eliminator platform and characterized by rugged steel construction and steel/bronze anti-rotation components.

FEATURES:

- Rated thrusts up to 2,000 lbs
- Piston with durable anti-rotation feature
- Velocities up to 65 in/sec, Stroke lengths up to 48 inches
- Multiple motor/actuator mounting configurations available
- Limit switches available
- Integrated load cell option provides continuous bi-directional measurement of applied thrust – SSL model
- Sealed chamber design with purge provision

Eliminator MT™ Machine Tool Grade Actuator



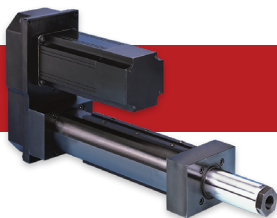
Machine Tool Quality, High Resolution, High Load

Eliminator MT series machine tool quality linear actuators provide precise and durable linear motion solutions when positioning accuracy is required. Standard precision is 0.0005 in/ft and optional 0.0002 in/ft is available. This cost-effective actuator offers the cumulative accuracy essential to modern manufacturing.

FEATURES:

- Rated thrust up to 15,000 lbs
- Rugged steel construction with durable anti-rotation feature
- Velocities up to 12 in/sec, Stroke lengths up to 42 inches
- Multiple motor/actuator mounting configurations available
- High system stiffness – repeatable positioning under varying loads
- 0.0005 in/ft standard lead accuracy
- 0.0002 in/ft optional lead accuracy available
- Sealed chamber design

Eliminator HD™ & HDL™ Heavy Duty Actuators



Heavy Duty, High Speed, High Force, High Precision

Eliminator HD and HDL series Heavy Duty linear actuators feature steel construction and provide strong, durable, and precise linear motion for industrial automation. These high capacity actuators can move heavy loads at high speeds resulting in high accuracy linear motion that is controllable, repeatable, and easy to adjust.

FEATURES:

- Rated thrusts up to 25,000 lbs
- Piston with durable anti-rotation feature
- Velocities up to 23 in/sec, Stroke lengths up to 48 inches
- Multiple motor/actuator mounting configurations available
- 0.002 in/ft standard lead accuracy
- 0.0005 in/ft optional lead accuracy available
- Limit switches available
- Zero backlash option available – HD model
- Integrated load cell option provides continuous bi-directional measurement of applied thrust – HDL model
- Sealed chamber design with purge provision

Eliminator ST™ & STL™ 316 Stainless Steel Actuators



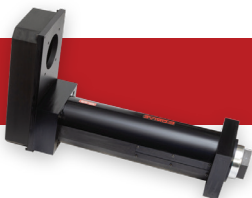
Stainless Steel, Heavy Duty, High Speed, High Force

The Eliminator ST & STL series Heavy Duty linear actuators feature all the performance factors of the HD and HDL actuators with the added benefit of a contoured 316 stainless steel housing, and provide the perfect solution for food-grade applications where severe environments or caustic wash-down conditions are present. They are ideal for food and packaging applications.

FEATURES:

- Rated thrusts up to 25,000 lbs
- Piston with durable anti-rotation feature
- Velocities up to 23 in/sec, Stroke lengths up to 48 inches
- Multiple motor/actuator mounting configurations available
- 0.002 in/ft standard lead accuracy
- 0.0005 in/ft optional lead accuracy available
- Limit switches available
- Zero backlash option available – ST model
- Integrated load cell option provides continuous bi-directional measurement of applied thrust – STL model
- Sealed chamber design with purge provision

Eliminator SD™ & SDL™ Super Duty Actuators



Super Duty, High Thrust, High Precision

Eliminator SD & SDL series Super Duty linear actuators feature steel construction and provide strong, durable, and precise linear motion for industrial automation with capacities up to 100,000 lbs. Achieve the perfect high precision/high load capacity solution when you combine your servomotor with this steel actuator.

FEATURES:

- Rated thrusts up to 100,000 lbs
- Rugged steel construction with durable anti-rotation feature
- Velocities up to 12 in/sec, Stroke lengths up to 48 inches
- Multiple motor/actuator mounting configurations available
- Limit switches available
- Integrated load cell option provides continuous bi-directional measurement of applied thrust – SDL model
- Sealed chamber design with purge provision

Internal Load Cell Feature

Can be added to Eliminator Series Actuators

EDrive manufactures Heavy-Duty linear actuators with Integrated Load Cells that deliver bi-directional force feedback for loads up to 100,000 lbs, providing an economical force measurement solution for precise applications.

FEATURES OF INTERNAL LOAD CELLS:

- Measure force in both directions
- Provide continuous mV/V output signal
- Accurate to within 0.05% of rated force
- Available in both Inline and Parallel Offset mounting configurations
- Standard option for Eliminator Series actuators

EDrive is the name you can trust
for standard or fully customized actuators.
Contact our experienced staff today!

| | ET SERIES | | LS SERIES | | | | VT SERIES / VS SERIES | | | | | SS454 SERIES | MT SERIES | | | | HD SERIES / ST SERIES | | | | | | | | | | SD SERIES | | | | |
|-----------------|-----------|-------|-----------|-------|-------|-------|-----------------------|-------------|-------------|-------------|-------------|--------------|-----------|-------|-------|-------|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-------|-------|-------|--------|
| | ET202 | ET203 | LS204 | LS209 | LS305 | LS310 | LS320 | VT204 VS204 | VT209 VS209 | VT305 VS305 | VT310 VS310 | VT320 VS320 | SS454 | MT304 | MT506 | MT512 | MT515 | HD201 ST201 | HD302 ST302 | HD304 ST304 | HD404 ST404 | HD406 ST406 | HD508 ST508 | HD516 ST516 | HD618 ST618 | HD625 ST625 | SD930 | SD948 | SD966 | SD975 | SD9100 |
| VELOCITY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 in/sec max | | | | | | | | | | | | | • | | | | | | | | | | | | | | | | | | |
| 40 in/sec max | | | | | • | | | | | • | | | | | | | | | | | | | | | | | | | | | |
| 36 in/sec max | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 in/sec max | • | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 in/sec max | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 in/sec max | | | | | | | | | | | | | | | | | | | • | • | | | | | | | | | | | |
| 20 in/sec max | | | | | | • | | | | | • | | | | | | | | | | | | | | | | | | | | |
| 18 in/sec max | | | | | | | | | | | | | | | | | | | | • | | • | | | | | | | | | |
| 16 in/sec max | | | • | | | | | • | | | | | | | | | | | | | | | | | | | | | | | |
| 14 in/sec max | | 13 | | | | | | | | | | | | | | | | | | | | | • | • | | • | | | | | |
| 12 in/sec max | | | | | | | | | | | | | | • | | | | | | | | | | | | | • | • | • | • | • |
| 10 in/sec max | | | | 9 | | | • | | 9 | | | • | | | | | | | | | | | | | • | | | | | | |
| 8 in/sec max | | | | | | | | | | | | | | 6.3 | 6.3 | 6.3 | • | | | | | | | | | | | | | | |
| STROKE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 in | | | | | • | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 in | | | | | • | • | • | | | | | | | | | | | | | | | | | | | | | | | | |
| 48 in | | | | | • | • | • | | | | | | • | | | | | | | | | | • | • | • | • | • | • | • | • | • |
| 42 in | | | | | • | • | • | | | | | | • | | • | • | | | | • | • | • | • | • | • | • | • | • | • | • | • |
| 36 in | | | • | • | • | • | • | | | | | | • | | • | • | • | | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 30 in | | | • | • | • | • | • | | | | | | • | • | • | • | • | | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 24 in | | | • | • | | | | • | • | • | • | • | • | • | • | • | • | | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 18 in | | | | | | | | • | • | • | • | • | • | • | • | • | • | | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 12 in | • | • | | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 6 in | • | • | | | | | | • | • | • | • | • | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| THRUST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100,000 lbs max | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | • |
| 75,000 lbs max | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | • | |
| 66,000 lbs max | | | | | | | | | | | | | | | | | | | | | | | | | | | | | • | | |
| 48,000 lbs max | | | | | | | | | | | | | | | | | | | | | | | | | | | | | • | | |
| 30,000 lbs max | | | | | | | | | | | | | | | | | | | | | | | | | | | • | | | | |
| 25,000 lbs max | | | | | | | | | | | | | | | | | | | | | | | | | | • | | | | | |
| 18,000 lbs max | | | | | | | | | | | | | | | | | | | | | | | | | • | | | | | | |
| 16,000 lbs max | | | | | | | | | | | | | | | | | | | | | | | | • | | | | | | | |
| 15,000 lbs max | | | | | | | | | | | | | | | | | • | | | | | | | | | | | | | | |
| 12,000 lbs max | | | | | | | | | | | | | | | | • | | | | | | | | | | | | | | | |
| 8,000 lbs max | | | | | | | | | | | | | | | | | | | | | | | | • | | | | | | | |
| 6,000 lbs max | | | | | | | | | | | | | | | • | | | | | | | • | | | | | | | | | |
| 4,000 lbs max | | | | | | | | | | | | | | • | | | | | | • | • | | | | | | | | | | |
| 2,000 lbs max | | | | | | | • | | | | | • | • | | | | | | | | | | | | | | | | | | |
| 1,000 lbs max | | | | 900 | | • | | | 900 | | • | | | | | | | • | | • | | • | | | | | | | | | |
| 500 lbs max | 200 | 300 | 400 | | • | | | 400 | | • | | | | | | | | | | | | | | | | | | | | | |

NOTE: Stroke length may affect maximum velocity. Contact EDrive Actuators for details.

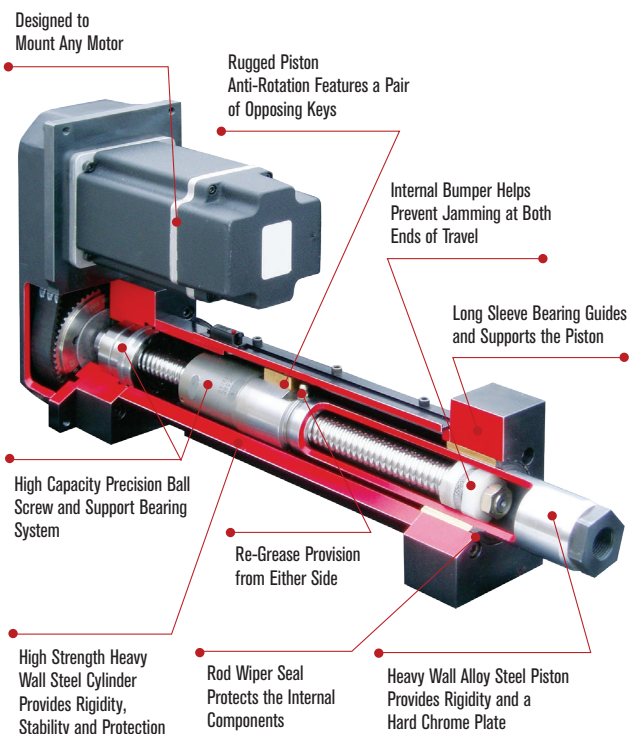
Consistent Success

IN THE TOUGHEST APPLICATIONS

EDrive linear actuators have shown consistent success in the toughest applications, e.g., high loads, high speeds, high precision, and extreme durability. Precision ball screw systems, tailored for maximum life, load and speed, provide the motion while fully enclosed, thus eliminating contamination-related failures. A long bronze nose bearing provides support for the extended piston. Rugged bronze keys in opposing steel slots provide anti-rotation and counter the tangential forces created during high speed, high frequency, and high load operation.

While other actuator designs force a particular motor decision, EDrive's linear actuators are designed to suit virtually any motor, gear box, or gearhead the customer chooses to use. Inline as well as parallel offset configurations are standard with 1:1 and 2:1 synchronous gearbelt ratios available.

Products available in Parallel Offset and Inline configurations.



Eliminator Series Actuator Shown Above

Pioneering Solutions for Today's Industry

INNOVATION - QUALITY - INTEGRITY

EDrive pioneered the evolution of precision electromechanical actuators in 1980 with our first patented design. We continue to proudly innovate and manufacture a full line of quality electric linear actuators in our Newington, CT facility. The full breadth of product quality, capacity and options continues to exceed expectations. EDrive is the name you can trust for standard or fully customized actuators.



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