

# LINE SHEET



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## LEAD SCREWS

A lead screw is a mechanical device that converts rotary motion into linear motion by using a threaded shaft and a matching nut. Commonly used in precision positioning applications, lead screws offer smooth and accurate movement, making them ideal for automation systems, CNC machinery, and linear actuators.

Acme Screw Actual Range: 1/4" - 2 1/4" Diameter

### Acme Screws



### Trapezoidal Screws

### Lead Screws

### Lead Screw Nuts

### Twin Lead Screws

### Custom Lead Screws

## BALL SCREWS

A ball screw is a mechanical device that converts rotary motion into linear motion with high efficiency by using recirculating ball bearings between the threaded shaft and nut. This design reduces friction and increases precision, making ball screws ideal for applications requiring smooth motion, high load capacity, and long service life, such as CNC machines, robotics, and aerospace systems.

Ball Screw Actual Range: 0.375" - 1.00" Diameters

### Metric Ball Screws



### Metric Ball Nuts

### Metric Ball Screw Assemblies

### Inch Ball Screws

### Inch Ball Nuts

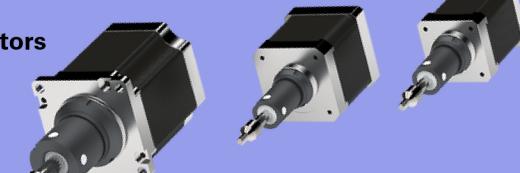
### Inch Ball Screw Assemblies

### Custom Ball Screws

## LINEAR ACTUATORS

A linear actuator is a device that converts rotary motion into linear motion to create precise and controlled movement in a straight line. Used in automation, robotics, and industrial machinery, linear actuators can be powered by electric, hydraulic, or pneumatic systems to push, pull, lift, or position loads with accuracy and efficiency.

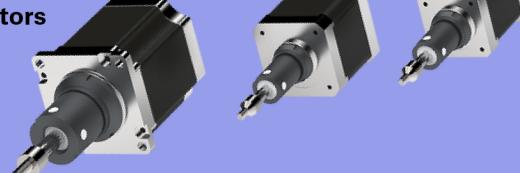
### Captive Stepper Motor Actuators



### Non-Captive Stepper Motor Actuators

### External Stepper Motor Actuators

### Ball Screw Actuators



### Electric Cylinders



### Profile Rail Linear Actuators

### Micro Precision Linear Actuators

## LINEAR GUIDANCE

A mechanical system designed to facilitate smooth and precise linear motion along a fixed path. It typically consists of a rail and a moving carriage that uses rolling elements, such as ball bearings or rollers, to minimize friction. Linear slides are commonly used in CNC machines, automation systems, and robotics for high-precision movement and load-bearing applications.

### Linear Slides 200 Series



### Linear Slides 300 Series



### Telescoping Linear Guide Rail

### Miniature Linear Guides

### Miniature Precision Torque Splines

