



A2Z

Metric

Components

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SCREW JACKS

MACHINE SCREW JACKS

Worm gear machine screw jacks lift and precisely position loads from 1 ton to 250 tons. These jacks feature durable steel construction. Both upright and inverted configurations operate at full capacity whether the load is in tension or compression.

CAPACITY: 2T - 250T



MINIATURE SCREW JACKS

These compact jacks feature aluminum housing and stainless steel lifting screws making them ideal in packaging and food processing applications.

CAPACITY: 250 lbs - 1000 lbs



STAINLESS STEEL SCREW JACKS

Stainless steel screw jacks are specifically designed for positioning and lifting applications that are located in wet, corrosive and harsh environments. Metallurgical properties of stainless steel allows it to remain ductile even at very low temperatures. These mechanical jacks are available in 2 ton through 25 ton capacities. Upright or inverted jacks operate at full capacity in tension or compression.

CAPACITY: 2T - 25T



Machine Screw ComDrives

These Motorized Jacks (ComDrives) combine a machine screw jacks, gear reducer, and motor into a compact unit which simplifies installation. Travel speeds up to about 35 inches per minute are available. Whether powering a single jack or a complete system, ComDrives offer versatile and convenient solutions.

CAPACITY: 2T - 30T



Metric Screw Jack

Metric screw jacks, series MWJ, are specifically designed for applications that must be fully metric. Both upright and inverted configurations operate at full capacity whether the load is in tension or compression. These jacks are commonly used in OEM machinery manufactured in the U.S. and shipped to other countries. They are fully interchangeable with several European products.

CAPACITY: 10kN - 100kN



SCREW JACKS - continued

Ball Screw Jack

Worm gear ball screw jacks lift and precisely position loads up to 50-tons. Upright or inverted jacks operate at full capacity in tension or compression. Select from standard lead (WB, WBL) and high lead (HWB, HWBL) models to meet your travel speed and ball nut life requirements. These ball screw jacks require up to two-thirds less input torque to move the load than similarly rated machine screw jacks. They require a brake motor or external locking device to hold position.

CAPACITY: 1T - 50T



Ball Screw ComDrive

Ball Screw ComDRIVES combine a ball screw jack, motor and gear reducer into a single compact unit. Motorized ComDRIVES are available in 2-ton through 30-ton capacities. Available in Translating, KFTN, and double clevis designs, they provide travel speeds up to 55.5 inches per minute. Ball screw ComDRIVES require up to two-thirds less input torque to move the load than a similarly sized machine screw jack ComDrive. They require a brake motor or external locking device to hold position.

CAPACITY: 2T - 30T



Electric Cylinders

Electric Cylinder Actuators lift and precisely position up to 20 tons, achieve travel speeds up to 546 inches per minute, and raise loads up to 100 inches. Requiring only electric power, Joyce Electric Actuators are well suited for industrial environments where protection of the lifting screw mechanism and dependable operation are critical.

CAPACITY: 2.5T - 20T



BEVEL GEAR SCREW JACKS

Bevel Gear Jack

Bevel Gear® Jacks, available in 7.5-ton to 100-ton static capacities, offer higher efficiency and greater speed than other mechanical screw jacks. As an added benefit, bevel gear jacks also act as miter boxes, making them an ideal choice for multi-jack systems. As many as three output shafts may be specified for mounting motors, limit switches, readout devices and other accessories. Bevel gear jacks with single lead screws (S series) provide the benefits of a self-locking screw, and bevel gear jacks with double lead screws (D series) offer even greater travel speed.

CAPACITY: Up to 100T



Bevel Ball Actuator

Joyce Bevel Ball Actuators (BB), available in 7.5-ton to 100-ton static capacities, are designed for near-continuous duty operation. These are Joyce's fastest jacks, able to attain travel speeds of 48.6 feet per minute. Available in Translating and KFTN designs, bevel ball actuators act as miter boxes, making them an ideal choice for multi-jack systems. As many as three output shafts may be specified for mounting motors, limit switches, readout devices and other accessories.



Linear Actuators

AC & DC Multipurpose Actuators

Multipurpose actuators (MA) are compact, versatile and designed to lift dynamic loads ranging from 500N (112 pounds) to 7000N (1574 pounds) and at travel speeds up to 47 mm/sec (111 in/min). Each 120 VAC or 12 VDC linear actuator is equipped with a potentiometer and preset limit switches, and offers an IP65 rating that qualifies them for many wash-down and outdoor duty applications. A selection of AC and DC models is available to meet your specific requirements.
CAPACITY: Up to 1600lbs



Solar Actuators

Solar Actuators are designed to precisely position smaller solar tracking Equipment. Their robust and efficient DC motor (24V or 36V) keeps power consumption to a minimum. Travel speeds remain nearly constant regardless of the load. Ideal for rugged environments common to the solar industry, these cost effective SA actuators have an IP65 protection rating. Self-locking features in the mechanism ensure that the solar actuator can be held in position throughout the daily tracking cycle.
CAPACITY: Up to 2000lbs

