



POSITIONING & PROCESS SOLUTIONS

Screw Jacks • Linear Actuators • Electric Cylinders • Rotary Unions • Screws & Nuts



SCREW JACKS (MECHANICAL ACTUATORS)

Product Range

- Machine Screw and Ball Screw Actuators (*Screw Jacks*) ranging in size from 1/4 to 350 tons
- Specialty Actuators: Stainless Steel, Anti-Backlash, Anode Jacks, Micro-miniature, Continuous Duty
- Powered Actuators: Gear Reducer Driven, C-face Driven, Handwheels
- Actuator Controls: Control Panels, Rotary Limit Switches, Potentiometer/Transducers, Encoders, Rotary Counters
- Power Transmission Components: Mitre Boxes, Couplings, Connecting Shafts, Pillow and Flange Blocks

Features & Benefits

- Broadest range of actuator capacities and types in the industry
- Modular Concept allows for unlimited number of configurations
- 3D Modeling capability on www.duffnorton.com
- Lifetime Warranty



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Food & Beverage • Industrial Machinery • Packaging
Paper • Plastics • Rubber • Transportation



CUBIC & BEVEL GEAR SCREW JACKS

Product Range

- Cubic Screw Jacks: Capacities from 2.5kN to 510kN (1/4 Ton to 11 Ton)
- Bevel Gear Screw Jacks: Capacities from 15kN to 90kN (1.7 Ton to 10 Ton)
- Operating Temperature: 0°C up to 40°C
- Acme and Ball Screw models are available
- Translating screw (type 1) and rotating screw (type 2) models available

Features & Benefits

- Versatile Mounting: Unit can be mounted upright or inverted
- Bevel Gear Screw Jacks eliminate the need for mitre boxes
- Bevel Gear Screw Jacks are 4 times faster than "Classic Screw Jacks".



Products manufactured by Pfaff-silberblau and Alltec Antriebstechnik of Germany, sister companies of Duff Norton.



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ELECTRIC CYLINDERS

Product Range

- High Speeds up to 379 in/min (160 mm/sec)
- High Capacities up to 50,000 lbs. (222.5 kN)
- Stroke Lengths up to 13 feet (3.96 meters)
- Continuous Duty ratings (SCN Series)
- Low Power requirements (SCN Series)
- Aluminum Bronze Worm Gears (SCW Series)
- Helical & Helical Bevel Gears (SCN Series)
- Ball Screw or Acme Screw
- Clevis Mounting or Trunnion Mounting
- Controls

Features & Benefits

- Excellent replacement for hydraulic cylinders
- Broadest combination of speeds and capacities in the industry
- Durable construction means less maintenance and longer service life
- 3D Modeling capability on www.duffnorton.com



Aggregate & Mining • Food • Incineration
 Industrial Machinery • Packaging • Paper • Security
 Steel • Transportation • Water Sewage



LINEAR ACTUATORS

Product Range

Industrial Actuators:

- Capacities from 25 to 2500 lbs. (.11 to 11.13 kN)
- Speeds up to 2.4 in/sec (61 mm/sec)
- Stroke lengths up to 24 in (609.6 mm)
- Multiple AC & DC voltages
- Custom actuators available

Commercial Actuators:

- Capacities to 1350 lbs. (6 kN)
- Speeds up to 1.8 in/sec (45.7 mm/sec)
- Stroke lengths up to 24 in. (609.6 mm)
- Multiple AC & DC voltages
- Custom actuators available

Features & Benefits

- Manufacturing actuators for over 40 years
- 3D Modeling capability on www.duffnorton.com
- Excellent replacement for hydraulic cylinders
- QuickShip Program - 24 Hour Shipping



Automotive • Construction • Ergonomics
 Food & Beverage • Health & Fitness • Industrial Machinery
 Marine • Material Handling • Packaging • Transportation



ACME AND BALL SCREWS & NUTS

Product Range

- Acme Screws from 1/2" diameter to 9" diameter, many are centralizing class
- Precision ball screws from 1/2" diameter to 4" diameter
- Multiple screw lead options available
- Thread mounted acme nuts and flanges, many nuts are available in bronze or plastic
- Thread mounted ball nuts and flanges
- Full system integration with a complete line up of linear motion accessories available

Features & Benefits

- Acme & Ball Screws with excellent load ratings
- All screw products are provided with tight tolerances and lead control
- Acme nuts with made from excellent materials designed to yield high strength, long life, and low torque requirements.
- Ball screws are manganese phosphate coated for long life and smooth "break-in" periods.



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ROTARY UNIONS®

Product Range

Rotary Unions:

- Rotary Unions for water, steam, air, and hot oil applications.
- Available in sizes from 1/8 inch to 6-inch inside diameter
- Mono flow and dual flow designs
- Multi-port units for special applications

Swivels:

- Swivels for hydraulic and pneumatic applications
- Available in sizes from 1/8 inch to 12 inches inside diameter
- Pressures up to 10,000 psi (700 bar)

Features & Benefits

- Replaceable cartridge design
- Wide range of low maintenance, general purpose Rotary Unions
- Superior seal design
- QuickShip Program - 24 Hour Shipping



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