

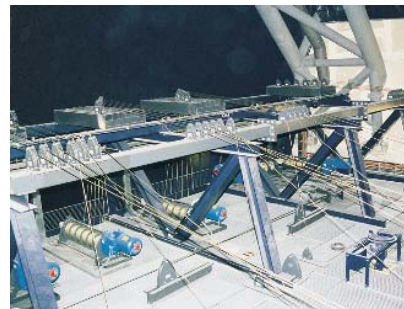


Rack and Pinion Jacks

- Stroke to 4 metres
- Lifts to 10 tonne
- Manual or Electric
- Self-locking crank handles (bi-directional)
- Wall or floor mounts
- Worm or spur gears

Rail Technology

- Underfloor Lifting Systems
- Drop Tables for Axles and Bogies
- Bogie Repair Hoists
- Mobile Lifting Jacks to 30 tonne +
- Lifting and Turning Devices



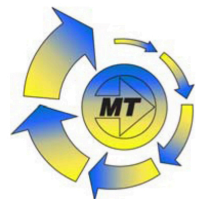
Wire Rope Winches and Hoists

- Single and multiple wire drums
- Single and double drive motors
- Single and double failsafe brakes
- Conform to European safety standards

Full technical catalogues available on request from
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MOTION TECHNOLOGIES



Merkur Range of Worm Gear Screw Jacks

- Cost effective series
- Stocked in Australia from 250kg to 10,000kg
- Modern cubic design
- Aluminium body (250kg - 1000kg) or cast iron ($\geq 2,500$ kg)
- 9 frame sizes to 250kg to 50,000kg
- Trapezoidal screw spindles $\varnothing 14$ to $\varnothing 120$
- OEM versions
- CAD drawings available on CD

SHE range of Worm Gear Screw Jacks

- Medium duty series
- Traditional grease filled housings
- 15 frame sizes to 200 tonne
- Trapezoidal screw spindles $\varnothing 18$ to $\varnothing 220$
- Ball and planetary roller screws optional
- Duplex safety nut option
- Full stainless steel version
- Electric cylinder versions
- Telescopic versions
- CAD drawings available on CD



HSE range of Worm Gear Screw Jacks

- Heavy duty series
- High performance, oil filled housings
- 9 frame sizes to 100 tonne
- Trapezoidal screw spindles to $\varnothing 18$ to $\varnothing 160$
- Ball and planetary roller screws optional
- Duplex safety nut option
- CAD drawings available on CD

SHG range of Bevel Gear Screw Jacks

- High speed heavy duty series
- Lifting speeds to > 330 mm/sec
- Trapezoidal screw spindles $\varnothing 24$ to $\varnothing 60$
- Ball screw option up to 64mm/rev lead
- CAD drawings available on CD
- 4 frame sizes to 90 tonne
- Gear ratios of 2:1 or 3:1
- Duplex safety nut option
- Oil filled housings

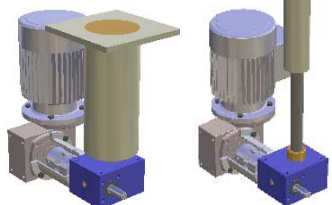


Mitre Gear Boxes

- 3 frame sizes
- up to 8500Nm
- Straight and spiral gearing
- Ratios 1:1 to 5:1
- Motor mounts
- CAD drawings available on CD

Telescopic Worm Gear Screw Jacks

- Up to 7 stages
- Very compact for low height applications
- Custom designed to suit demanding applications



Jack Accessories

- Bellows boots (moulded, folded, sewn)
- Flexible drive shafts
- Swivel plates
- Motor mounts
- Overload (safety) couplings self-aligning flanges
- Feedback devices (encoder, potentiometer, etc)
- Travel limit switches
- Reinforced screws
- Drive couplings
- Telescopic spring covers
- Lifting nuts with trunnions,
- Double clevis mounts
- Rod clevis or plate
- CAD drawings available on CD

Electromechanical Screw Rams

- Ball or Trapezoidal screws
- Stroke to 3000mm plus
- Anti-rotation option
- Telescopic screw option
- Replaces hydraulic and pneumatic cylinders
- * Thrusts to 100kN plus
- * Fully configurable
- * Trunnion mount standard
- * CAD drawings available on CD



ELA Electromechanical Linear Actuator

- Standard strokes to 800mm
- Thrusts to 1300kg
- Lifetime lubrication
- Comprehensive range of accessories
- * Speeds to 84mm/sec
- * Integral limit switch option
- * CAD drawings available on CD

Phoenix Telescopic Lifting Column

- Heavy duty 183mm square aluminium column
- No external guidance required
- Strokes to 1000mm, loads to 2500kg
- High overturning moment capacity
- Complete package provides simple installation
- Fully enclosed, intrinsically safe
- Integral limit switch option
- * CAD drawings available on CD



Trapezoidal Screws and Nuts

- Diameters 14mm to 320mm
- Lengths to 17 metres (one piece)
- RH and LH, single or double ended
- Single and multi-start
- Any thread form (metric, imperial, buttress, etc)
- Leads to 28mm (per start)
- Specials manufactured to drawing
- Safety nuts with and without sensor
- Telescopic available

