

- Over **30** YEARS of Supplying Southern Africa -

BirCraft

GEARED MOTORS - LINEAR ACTUATORS & CONTROLLERS



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SHORT FORM SELECTION

Linear Actuators (Electric Cylinders) & Screw Jacks

Options
Brake
Encoder
Tachogenerator
Limit Switches

N = Newton = 100 grams
kN = 100 kg

50 N - 600,000 N
50mm - 5000mm Stroke

Model A:
Nominal Load 1200 N
Worm-gear Reducer
Acme Lead Screw
Aluminium Push Rod
Features: IP65
Intermittent Use
Permanent Magnet Motor 12, 24 & 36 VDC
Standard Stroke 50 / 100 / 150 / 200 / 250 / 300mm
Standard Speed: 10 up to 90 mm/sec
Weight: 1kg (included 100 mm Stroke)
Options: Limit Switches, Encoder



Model E:
Nominal Load 10 kN
Worm-gear Reducer
Acme Lead and Ball Screw
Chromate Steel Push Rod
Features: IP 55
Intermittent Use
Various voltages available, DC, 1 & 3 ~
Standard Stroke 50/100/200/300 up to 900mm
Standard Speed 10 / 20 / 40 mm/sec
Weight: 7kg (included 100 mm Stroke)
Options: Magnetic Limit Switch/ Integrated Limit Switch/ Rotary Potentiometer/ Encoder/ Torque Limiter



Model B :
Nominal Load 5000 N
Planetary Gearbox
Acme Lead Screw
Aluminium Push Rod
Features: IP 65
Intermittent Use
Permanent Magnet Motor 12, 24 VDC
Standard Stroke 50 / 100 / 150 / 200 up to 700mm
Standard Speed 10 / 20 / 30 mm/sec
Weight: 1.5kg (included 100 mm Stroke)
Options: Limit Switches, Encoder



Model F:
Nominal Load 25 kN
Worm-gear Reducer
Acme Lead Screw
Chromate Steel Push Rod
Features: IP 55
Intermittent Use
Motor - Various voltages available, DC, 1 & 3 Phase
Standard Stroke 50 / 100 / 200 / 300 / 400 up to 1100mm
Standard Speed: up to 55mm/s
Weight: 35kg (included 100 mm Stroke)
Options: Integrated Limit Switches/ rotary Potentiometer/ Encoder



Model C:
Nominal Load 2500 N
Worm-gear Reducer
Acme Lead Screw
Aluminium Push Rod
Features: IP65
Intermittent Use
Motor 12 / 24 / 36 VDC, 1~ or 3 Phase
Standard Stroke 50/100 /200/300 to 800mm
Standard Speed 10 / 20 / 30 up to 110 mm/sec
Weight: 2.75kg (included 100 mm Stroke)
Options: Limit Switches/ Rotary Potentiometer/ Encoder/ Safety Nut



Model G:
Nominal Load 40 kN
Worm-gear Reducer
Acme Lead and Ball Screw
Chromate Steel Push Rod
Features: IP 55
Intermittent Use
Motor - Various voltages available, DC, 1 & 3 Phase
Standard Stroke 50 / 100 / 200 / 300 up to 1500mm
Standard Speed: up to 45mm/s.
Weight: 70kg (included 100 mm Stroke)
Options: Integrated Limit Switches/ Rotary Potentiometer/ Encoder



Model D:
Nominal Load 2500 N
Worm-gear Reducer
Acme Lead Screw
Stainless Steel Push Rod
Features: IP 65
Intermittent Use
Permanent Magnet Motor 12/ 24/ 36 vdc
Standard Stroke 50 / 100 / 200 / 300mm
Standard Speed 6 / 12 / 17 mm/sec
Weight: 2.5kg (included 100mm stroke)
Options: Integrated Limit Switch / Encoder



Model H:
Nominal Load 5 kN - 50 kN
Planetary Gearbox
Acme Lead and Ball Screw
Stainless Steel Push Rod
Features: IP 55
Intermittent Use
Motor - Various voltages available, DC, 1 & 3 Phase
Standard Stroke 650 - 1800 mm
Standard Speed 15 - 230 mm / sec
Options: Limit Switch/ Rotary Potentiometer/ Encoder/ Hand wheel



(SPECS FOR GUIDELINES ONLY)

