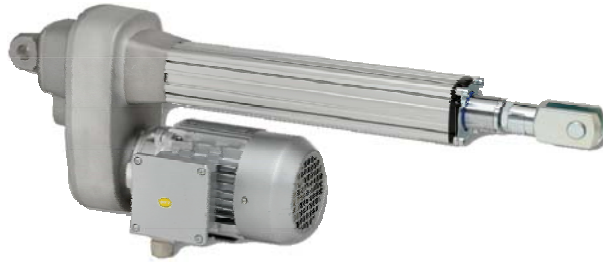
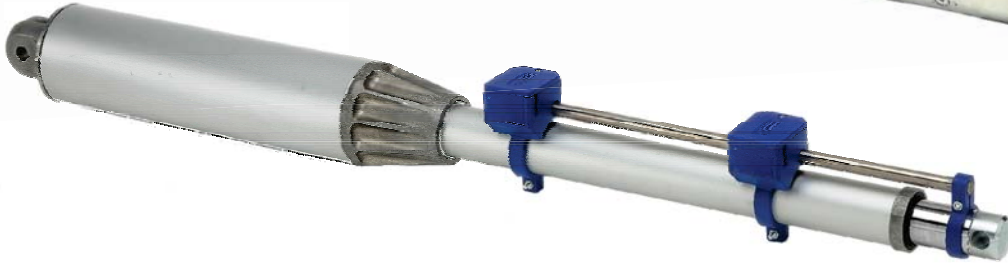


- Over 35 YEARS Supplying Africa -

BirCraft

GEARED MOTORS - LINEAR ACTUATORS - CONTROLS



Linear Actuators

Electro-mechanical Cylinders

Electronic Drives

National Sales: **0861 BirCraft** (24 72 72) E-mail: 10@bircraft.co.za Website: www.bircraft.co.za

International Tel. +27 11 468 1881 Fax: +27 11 468 1698 Fax: 086 694 5806 Cell: 074 465 1744

BEE Certified

Linear Actuators

Applications:

- Industrial Mining Equipment - Agricultural Machinery - Harbour Equipment - Step Away Bridges
- Solar Applications - Solar Panel Tilting - Sun Shading Systems - Parabolic Antennas
- Medical Applications - Radiology Equipment - Stair Lifts - Fold Away Stairs - Door Openers & Closers
- Military Applications - Armoured Vehicles - Aeronautical Industry - Civil Aviation
- Fitness Machines - Train Switching Systems - Industrial Dish Washers & Catering Equipment
- Tyre Assembly Machines - Serigraphic Machines - Plastic Material Blowing Machines

HIGHER SPEED = LOWER FORCE

i.e. The faster the stroke speed the less the output force

L 02-L 03



IP65 CE

Max force: 5 000 N / 500 Kg
Max speed: 100 / 30 mm/s
Stroke: up to 800 mm
Supply Voltage: 12-24 Vdc
Options:
 Magnetic Limit Switches,
 Encoder, Safety Nut

[View L02 Catalogue](#)

[View L03 Catalogue](#)

ALI 1



IP65 CE

Max force: 1 200 N / 120 Kg
Max speed: 90 mm/s
Stroke: up to 300 mm
Supply Voltage: 12-24-36 Vdc
Options:
 Limit Switches, Encoder

[View ALI 1 Catalogue](#)

ALI 1-P



IP65 CE

Max force: 2 500 N / 250 Kg
Max speed: 17 mm/s
Stroke: up to 300 mm
Supply Voltage: 12-24-36 Vdc
Options:
 Limit Switches, Encoder

[View ALI 1-P Catalogue](#)

ALI 2



IP65 CE

Max force: 2 500 N / 250 Kg
Max speed: 110 mm/s
Stroke: up to 700 mm
Supply Voltage: 1ph-3ph Vac or Vdc
Options:
 Limit Switches
 (Magnetic or Mechanical),
 Rotary Potentiometer,
 Encoder, Safety Nut

[View ALI 2 Catalogue](#)

ALI 2-P



IP65 CE

Max force: 3 500 N / 350 Kg
Max speed: 30 mm/s
Stroke: up to 700 mm
Supply Voltage: 12-24-36 Vdc
Options:
 Limit Switches
 (Magnetic or Mechanical),
 Rotary Potentiometer,
 Encoder, Safety Nut


[View ALI 2-P Catalogue](#)

ALI 3



IP65 CE

Max force: 5 000 N / 500 Kg
Max speed: 35 mm/s
Stroke: up to 800 mm
Supply Voltage: 1ph-3ph Vac
 12-24-36 Vdc

Options:
 Limit Switches
 (Magnetic or Mechanical),
 Rotary Potentiometer,
 Encoder, Safety Nut,
 Various Motor Types, 


[View ALI 3 Catalogue](#)

ALI 4



IP65 CE

Max force: 10 kN / 1 000 Kg
Max speed: 100 mm/s
Stroke: up to 1100 mm
Supply Voltage: 1ph-3ph Vac
 24 Vdc

Options:
 Limit Switches
 (Magnetic or Mechanical),
 Encoder, Rotary Potentiometer,
 Safety Nut,
 Various Motor Types, 


[View ALI 4 Catalogue](#)

ALI 5



IP65 CE

Max force: 15 kN / 1 500 Kg
Max speed: 100 mm/s
Stroke: up to 1400 mm
Supply Voltage: 1ph-3ph Vac or Vdc

Options:
 Limit Switches
 (Magnetic or Mechanical),
 Encoder,
 Rotary Potentiometer,
 Safety Nut,
 Various Motor Types, 

[View ALI 5 Catalogue](#)

Electro-mechanical Cylinders

CUSTOM DESIGNED UNITS AVAILABLE UPON REQUEST

Fitted with VARIOUS MOTOR OPTIONS:


- DC Motors (All Voltages) - Brake Motors - Stepper Motors -
- Servo Motors - Synchronous Motors - Dust Proof Motors -
- Spark Proof Motors - Explosion Proof and many others -

ALI 5-P



IP65 

Max force: 15 kN / 1 500 Kg
Max speed: 250 mm/s
Stroke: up to 1400 mm
Supply Voltage: 1ph-3ph Vac
90 Vdc

Options:
Limit Switches
(Magnetic or Mechanical),
Encoder, Safety Nut,
Various Motor Types, 

[View ALI 5-P Catalogue](#)

AV 3



Max force: 25 kN / 2 500 Kg
Max speed: 55 mm/s
Stroke: up to 1100 mm
Supply Voltage: 1ph-3ph Vac
Options:
Limit Switches,
Rotary Potentiometer,
Encoder,
Various Motor Types

[View AV 3 Catalogue](#)

ECV 9092



Max force: 40 kN / 4 000 Kg
Max speed: 45 mm/s
Stroke: up to 1500 mm
Supply Voltage: 1ph-3ph Vac
Options:
Limit Switches,
Rotary Potentiometer,
Encoder,
Various Motor Types

[View ECV 9092 Catalogue](#)

EC 1



Max force: 5 kN / 5 000 Kg
Max speed: 230 mm/s
Stroke: up to 800 mm
Supply Voltage: 1ph-3ph Vac
Options:
Limit Switches,
Rotary Potentiometer,
Encoder, Hand-wheel,
Various Motor Types

[View EC 1 Catalogue](#)

EC 2



Max force: 10 kN / 1 000 Kg
Max speed: 230 mm/s
Stroke: up to 1000 mm
Supply Voltage: 1ph-3ph Vac
Options:
Limit Switches,
Rotary Potentiometer,
Encoder, Hand-wheel,
Various Motor Types

[View EC 2 Catalogue](#)

EC 3



Max force: 15 kN / 1 500 Kg
Max speed: 230 mm/s
Stroke: up to 1200 mm
Supply Voltage: 1ph-3ph Vac
Options:
Limit Switches,
Rotary Potentiometer,
Encoder, Hand-wheel,
Various Motor Types

[View EC 3 Catalogue](#)

EC 4



Max force: 30 kN / 3 000 Kg
Max speed: 60 mm/s
Stroke: up to 1500 mm
Supply Voltage: 3ph Vac
Options:
Limit Switches,
Rotary Potentiometer,
Encoder, Hand-wheel,
Various Motor Types

[View EC 4 Catalogue](#)

EC 5



Max force: 50 kN / 5 000 Kg
Max speed: 15 mm/s
Stroke: up to 1800 mm
Supply Voltage: 1ph-3ph Vac
Options:
Limit Switches,
Rotary Potentiometer,
Encoder, Hand-wheel,
Various Motor Types

[View EC 5 Catalogue](#)

Larger & Heavier Duty Units Available - up to 1 00 kN / 10 000 Kg

PLEASE NOTE: ALL RATINGS GIVEN AS MAXIMUM

Electronic Drives

PF 0014
PF 0015



Drive for 1 actuator with 24Vdc motor
Power Supply: 230V - max 4A
(for 24Vdc motors)
Amperage Limitation
Sound or light signal of movement
Infrared Remote control – 2 buttons

PF 0016



Drive for 2 actuators with 12Vdc motor
Power supply: 12Vdc +/-10%
4-28A (for 12Vdc motors)
Stroke Limits Control
Amperage Limitation
Radio Remote Control – 4 buttons

PF 0025-27
PF 0026-28




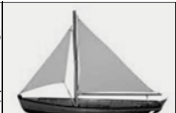






Drive for 1 or 2 actuators with 12/24Vdc motor
Power Supply: Max 10Amp
12 - 40Vdc / 9...28Vac (for 24Vdc motors)
12Vdc +/-10% - (for 12Vdc motors)
Driver Supply: 20...30Vdc / 16...20Vac - 0.4A
Max (for 24Vdc)
12Vdc +/-10% - 10A
Max (for 12Vdc)
Stroke Limits Control
Amperage Limitation

Screw Jacks



Applications

	Agricultural machinery Wood working machinery	Atomisers Cereal mills	Bronzing & tanning beds Gymnasium equipment Animal tapis roulants	
	Armoured vehicles Railway wagons Van tents	Ambulances Caravans	Power boats Harbour equipment	
	Paint mixing equipment Iron and Steel industry Industrial Mining Equipment	Nuclear installations Butchering equipment	Banking automation	
	Surgery tables Dentist chairs X-ray equipment	Equipment for disabled/aged Foldaway staircases Civil Protection	Heliostats Ski-field installations Solar panels	

Other Products

DC Motors Geared Motors Controls Variable Speed Motors Tacho's Encoders Brake Motors
Solar Motors Low Voltage Motors Washdown Motors

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