

BirCraft – “Lite” Econo Actuators

For **typical APPLICATIONS** where a **PUSH** and **PULL**, **LIFT** and **LOWER**, **OPEN** and **CLOSE** or **TILT** and **PIVOT** linear movement is required. Some applications include **AUTOMATED LOCKS, VALVES, MEDICAL BEDS, FURNITURE, WINDOWS, BLINDS, LOUVRES, SOLAR TRACKING, AGRICULTURAL EQUIPMENT, LABORATORY EQUIPMENT, ROBOTICS, CAMPERs, CARAVANS, 4X4'S, ACCELERATORS / THROTTLES, BOATING, TRUCK ENCLOSURES** and many more

BirCraft's range of “Lite” Econo Linear Actuators type “**LES**” with ACME screw, built-in Micro switch and an internal diode can automatically stop and enables the direction to change by simply reversing the polarity.



Features

Max Load – up to 1200N (120Kg)

Max static force – 3000N (300Kg)

Standard Voltage: 12 and 24Vdc (Optional – 36Vdc)

Speeds up to 27mm/s

Standard Stroke length: 50, 100, 200,300 & 500mm

(Optional – 25 to 1000mm)

Operating temperature -26°C~+65°C

Aluminum outer tube and push rod

Protection – IP65

Duty Cycle 20%

Life time expectancy - 50 000 cycles

Note: Force is relevant to the Stroke Speed

BirCraft's range of “Lite” Econo Linear Actuators type “**LET**” with ACME screw, built-in Micro switch and an internal diode can automatically stop and enables the direction to change by simply reversing the polarity. Units available in 12 & 24Vdc in stroke length increments of 50mm and with operating temperature -26°C~+65°C

Available Ranges:



Model	Diameter (mm)	Load (N)	Speed (mm/s)	Max Stroke (mm)	Duty Cycle	IP Rating
BA-D30-120	30	120	6.3	300	10%	IP66
BA-D30-200	30	200	4.5	300	10%	IP66
BA-D33-300	33	300	6	500	10%	IP66
BA-D33-500	33	500	3.8	500	10%	IP66
BA-D42-750	42	750	8	700	10%	IP66
BA-D42-1500	42	1500	4.5	700	10%	IP66
BA-D42-2000	42	2000	3.5	700	10%	IP66
BA-D50-3000	50	3000	6.2	1000	10%	IP66
BA-D50-4000	50	4000	4.2	1000	10%	IP66
BA-D50-5000	50	5000	3	1000	10%	IP66

These units are also known as Mini or Micro Linear Actuators by others.

Please do not hesitate to contact the office for more information on the above products. – For this specific range e-mail your enquiry to lite@bircraft.co.za