

Motion Technologies Quick Reference Chart for Standard Linear Actuators
(if it's not here then please request)

Model	SuperJack	SuperJack	Haydon Kerk	Servomech	Servomech	Servomech	Servomech	Servomech	Pfaff	Cosmic	LinMot	Kollmorgen	Thomson	Duff Norton
Thumbnail image														
Series Name	LEA3	UJ2	Size 8 to 32	CLA_CLB	ATL_BSA	UAL_UBA	TMA	ILA_ILB	ALS_ALSR_HLA	H_B_BJ_DG_SGB	PL	N2_EC	Electrak	Various
Number of actuator frame sizes within series	1	1	50	10	18	8	6	6	6	20	40	5	22	26
Price Comparison	\$	\$	\$\$	\$\$	\$\$\$	\$\$\$\$	\$\$\$\$	\$\$\$\$	\$\$\$\$	\$\$\$\$	\$\$\$\$	\$\$\$	\$\$ and \$\$\$	\$\$ to \$\$\$\$
Local availability	stocked	stocked	some stock	some stock	some stock	indent	indent	indent	indent	indent	limited	indent	indent	indent
Aprox delivery time	1 day	1 day	2 to 6 weeks	6 weeks	6 to 8 weeks	approx 10 weeks	approx 10 weeks	approx 10 weeks	approx 12 weeks	approx 12 weeks	1 week	approx 4 to 6 weeks	approx 4 to 6 weeks	approx 6 to 8 weeks
Standard Max. Thrust Rating, N	1,000	4,000	2,200	2,500 to 25,000	600 to 350,000	290 to 10,650	2,600 to 200,000	15,000 to 200,000	12,500 to 100,000	10,000 to 300,000	30 to 2,500	660 to 25,000	330 to 6,700	400 to 220,000
Speed (mm/sec)	6 to 45	5 to 8	up to 100	2 to 60	1.4 to 140	up to 875	up to 40	up to 1000	up to 600	up to 150	.0001 to 5000	up to 1,300	30 to 75	10 to 500
Max standard stroke (mm)	300	1200	500	800	800	800	1500	1500	2000	2000	1500	up to 1500	150 to 915	50 to 915
DC motor volts	12 and 24	24 (others POA)	2 to 12	12 & 24 (others POA)	12 & 24 (others POA)	on application	on application	on application	on application	on application	24 to 72	24	12 & 24	12 c& 24
Confuguration	U	U	In line	L	L	U	T	In Line	In line and L	U	In line	U	U	T & U
Gearbox type	Spur	Spur	None	Worm	Worm	Timing Belt	Worm	Depends on gearmotor (if used)	Depends on gearmotor (if used)	Spur or Bevel	Direct Drive	Spur or Timing belt	Spur	Spur & Worm
240 Vac Single Phase	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
415Vac Three Phase	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Standard IEC motors	N	N	N	Y	Y	N	Y	Y	Y	N	N	Y	N	N
Self locking	Y	Y	Y	Y	ATL = Y BSA = Y with brake	brake option			Y	brake standard	N	with brake fitted	Y	Y
Ball Screw	N/A	POA	N/A	POA	Std option	Std	Std	Std	Y	Std	n/a	Std	Std	Std
Acme/Trapezoidal Screw	Std	Std	Std	Std	Std option	Std	Optional	Std	Y	Optional	n/a	Std	Std	Std
Backlash free version	N	N	Y	N	N	N	N	N	N	N	Y	Y	N	N
Servo or Stepper motor options	Stepper optional	Y	Stepper only	N	Y	N	Y	Y	Y	No	Servo only	Both	Both	Both
Built in Limit Switches	Y	Y	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	n/a	Optional	Optional	Optional
Field Adjustable Limit Switches	Y, but factory set	Y	N	Optional	Y	Y	Y	Y	Y	Y	n/a	Y	Y	Y
Anti-rotation guide	Integral	N	Optional	N	Optional	N	Optional	Optional	N	N	n/a	Y	Optional	Optional
Mounting style	Double Clevis or Tube trunnion	Double Clevis or Tube trunnion	Flange	Double Clevis or Tube trunnion	Double Clevis or Tube trunnion	Double Clevis or Tube trunnion	Double Clevis or Tube trunnion	Double Clevis or Tube trunnion	Double Clevis or Tube trunnion	Trunnion + clevis	n/a	Double Clevis or Tube trunnion	Double Clevis or Tube trunnion	Double Clevis or Tube trunnion
Compression load safety switch	N	N	N	N	N	Optional	N	N	N	Optional	Y	Electronic limitation	N	N
Gear Body material	Aluminium	Aluminium	Aluminium	Aluminium	< Size 50 Aluminium > Size 50 Cast Iron	Cl/Steel	Cl/Steel	Cl/Steel	Cl/Steel	Cl/Steel	None	Aluminium	Aluminium or Steel	Aluminium or Steel
Outer Tube material	Aluminium	Powder coated steel	N/A	Aluminium	Aluminium	Aluminium or Steel	Aluminium or Steel	Aluminium or Steel	Steel	Steel	Nickel plated steel stainless steel	Aluminium	Aluminium or Steel	Aluminium or Steel
Lift tube material	Anodised Aluminium	Powder coated steel	N/A	Stainless steel	Stainless steel	Stainless steel	n/a	Chrome plated steel	Chrome plated steel	Chrome plated steel	Nickel plated steel stainless steel	Stainless steel	Stainless steel Chrome Plated steel	Stainless steel Chrome Plated steel
Duty Cycle %	30	25	100	30	50	50	50	70	70	70	100	100	up to 100%	up to 100%
IP rating	up to IP65	IP44	IP44	DC: IP54 AC: IP55	DC: IP54 AC: IP55	DC: N/A AC: IP54	up to IP66	up to IP66	up to IP66	DC: N/A AC: IP55	Up to IP69K	Up to IP66	Up to IP66	Up to IP66
Typical Industry	Commercial Agricultural	Commercial Agricultural	Precision positioning	General purpose industrial	General purpose industrial	General purpose industrial	General purpose industrial	General purpose industrial	Heavt duty industrial	Heavt duty industrial/mining	Automation	Automation	General purpose industrial	General purpose industrial
Position Feedback Option	Potentiometer	Potentiometer	Encoder	Pot. or Encoder	Encoder	Encoder	Encoder	Encoder	Encoder	Encoder	Encoder	Encoder	Pot. or Encoder	Encoder
Manual Over-ride option	N	Y	N	Y	Y	N	Y	Y	Y	Y	N	N	Y	Y