

LINEAR ACTUATORS | LBL/MLA/MSA SERIES

The LBL is price competitive solutions for some higher force applications, previously dominated by pneumatic actuators.

The MLA and MSA gauge actuators provide you gauging solutions with consistent, fast and precise control of the process.



- ✓ High force and acceleration
- ✓ Cost effective
- ✓ Far better Gage R&R (Repeatability and Reproducibility)

Part Number	Voltage [DC]	Size: LxWxH [mm]	Stroke [mm]	Peak Force [N]	Continuous Force [N]	Force Constant [N/A]	Maximum Current [Amp]	Moving Mass [kg]	Weight [kg]
LBL25-025-35-3	48	175x127x25	25	70	28	31.2	2.5	0.19	-
LBL25-050-35-3	48	200x127x25	50	70	28	31.2	2.5	0.19	-
LBL25-100-35-3	48	280x127x25	100	70	28	31.2	2.5	0.19	2
LBL25-150-35-3	48	310x127x25	150	70	28	31.2	2.5	0.19	3.8
LBL25-200-35-3	48	360x127x25	200	70	28	31.2	2.5	0.21	4.56
LBL40-050-35-3	48	335x160x40	50	100	40	40	2.5	0.9	7.2
MLA8-010-51-2	24	95x50x8	10	4	(*)	3.2	(*)	0.025	0.17
MSA8-010-01-0	5 - 15	95x28x8	10	(*)	(*)	(*)	(*)	0.011	0.054

NOTE: For any SMAC Moving Coil Actuators, the maximum recommended continuous duty current is 600mA supplied to the actuator over a 1 second period. For anything beyond this in terms of current draw or time please consult the factory. We manufacture actuators to suit our customers' requirements. Please call us if you do not find the right actuator in this list. (*) Consult factory.



LBL25



LBL40



MLA8



MSA8

Gauging Actuator

Options & Modifications (Consult factory for availability)

- Linear encoder resolutions ----- 5µm standard and 1µm optional.
- Shaft ends ----- Male, Female, Blank and Custom (check availability of custom option).
- Return spring ----- Prevents the shaft from dropping during vertical operation when power is cut.
- Vacuum ----- Vacuum through the shaft or on the shaft for pick and place applications.
- Extended nose bushing ----- For tighter shaft run-out and higher side load onto the shaft.
- Increase of force accuracy/lifetime ----- Low-friction linear guide/extra-long preload linear guide.