

LINEAR SLIDES | LBS/SLA SERIES

The LBS with compact design provides quiet, efficient, and cost effective linear motion.

The SLA incorporates precision cross roller guides with anti-creep protection for increased stiffness and lower friction.



- ✓ Ideal for precision movements/scanning
- ✓ Encoder resolution down to 50 nm with the SLA
- ✓ Compact size

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]
LBS17-005-52-2	24	70x35x17	5	13.5	5.4	9.6	1.4	0.028	0.22
SLA10-005-55-1	24	50x50x10	5	2.2	(*)	1.5	1.5	0.02	0.08
SLA10-010-55-1	24	61x50x10	10	2.1	(*)	1.6	1.3	0.03	0.11
SLA25-010-55-2	24	72.5x40x25	10	4	(*)	2.7	1.5	0.05	0.203

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



LBS17



SLA10



SLA25

Options & Modifications (Consult factory for availability)

Linear encoder resolutions ----- LBS series: 5µm standard, 1µm optional. SLA series: 5µm standard. 1µm, 0.1µm, and 0.05µm optional.

Return spring ----- Prevents the shaft from dropping during vertical operation when power is cut.

Increase of force & acceleration ----- 48 volt coil and double coil options are available for some units with 24 volt single coil.

Increase of force accuracy/lifetime -- Low-friction linear guide/extra-long preload linear guide.