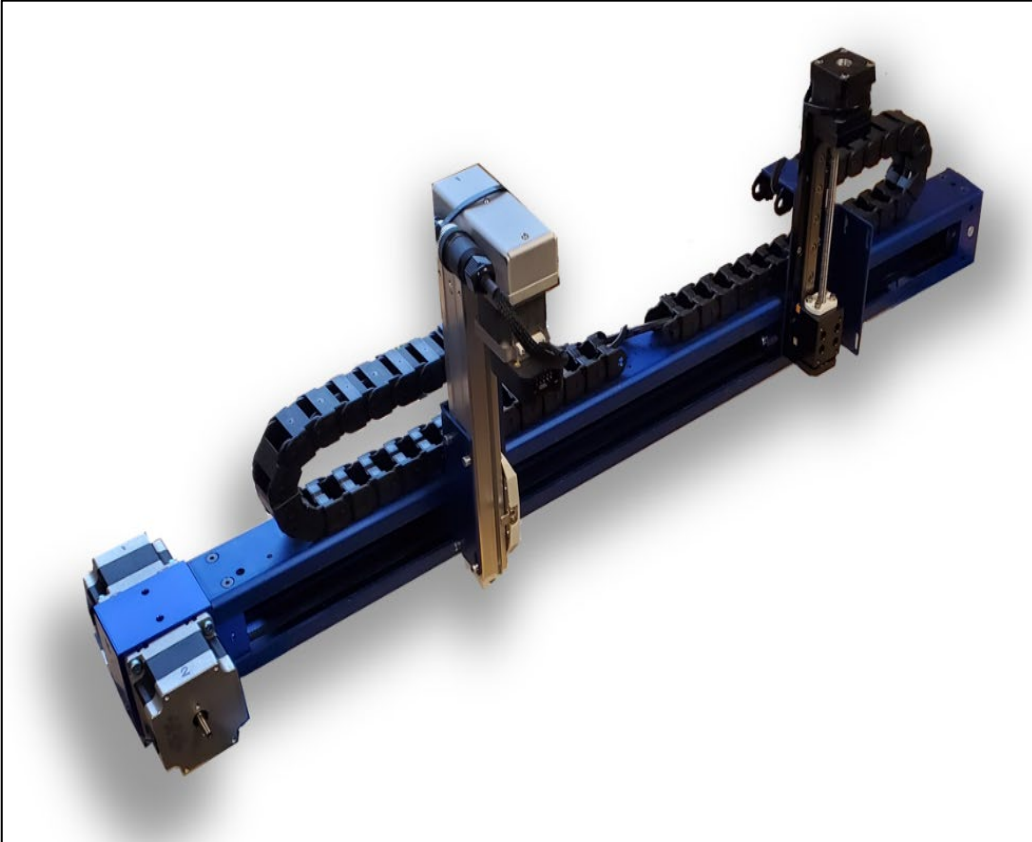


DBA Dual Belt Actuator



NINJA SERIES

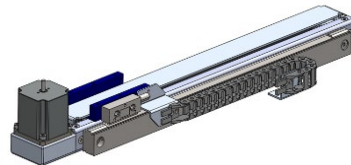
LINEAR ACTUATORS

Feature/Benefit

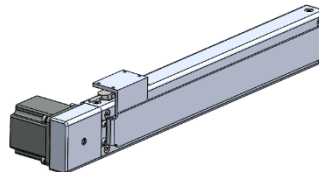
- Dual independent carriages maximize throughput and utilization.
- Compact, low-profile design.
- Belt-driven mechanism achieves speeds up to 1 m/s and accelerations of 1 g.
- Modular setup simplifies multi-axis configurations.
- Linear ball recirculation ensures smooth, quiet motion with adequate load capacity.
- Pre-engineered, pre-assembled single part number simplifies selection.
- Modusystems pre-engineered motor and control solutions are available for your DBA.

Additional Ninja Series Solutions

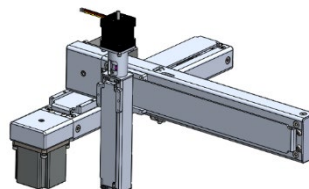
SBA with Linear Encoder Option: SBA is available with 0.1 μ Resolution magnetic encoder. Perfect for high-speed repeatable motion.



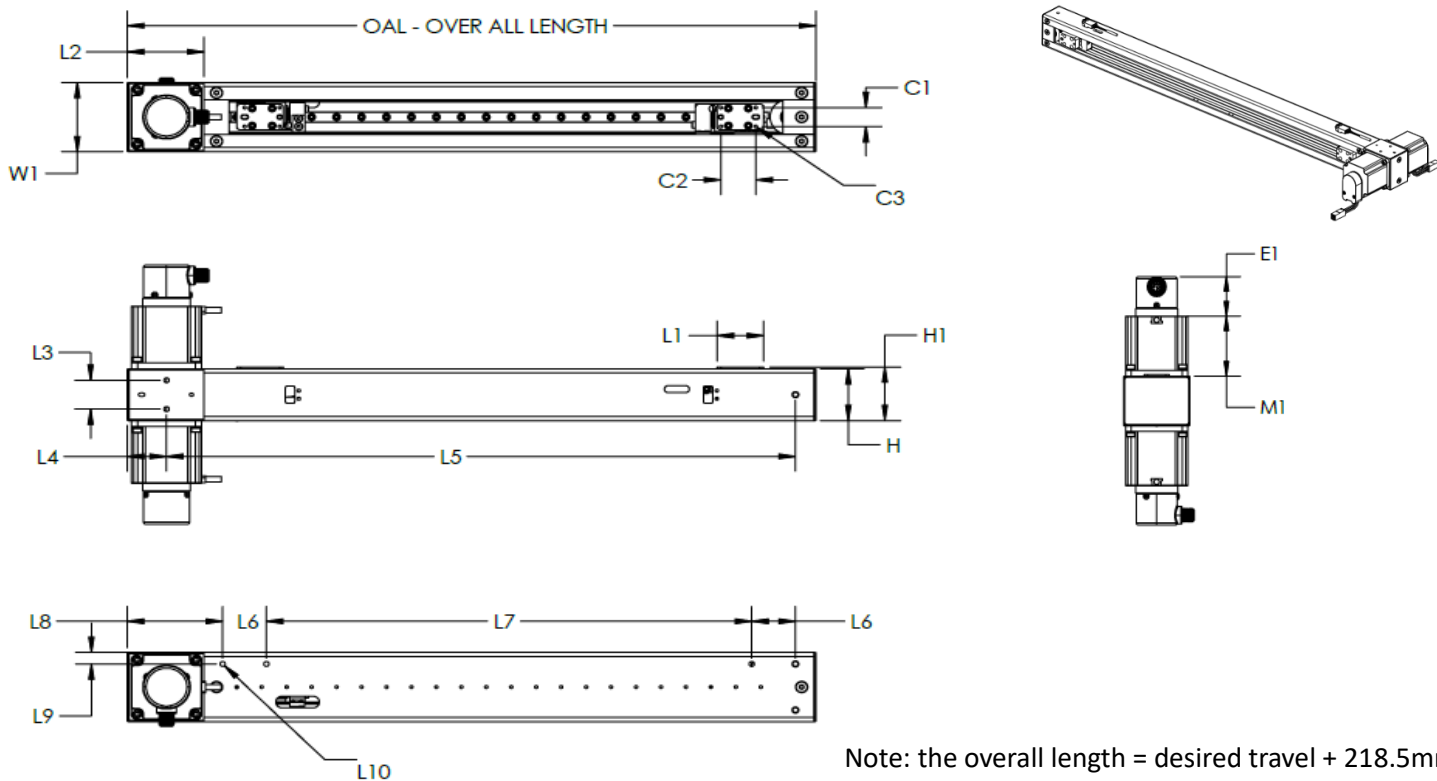
SBA with Top Mounting Flange Option: The top flange carriage option allows for SBA vertical orientation or for additional SBA axes of motion.



SBA XYZ Option: SBA unique modular design allows for easy to specify and assemble multi axis systems. Z-axis shown is LSA-Lead Screw actuator with Inline motor.



DBA Dual Belt Actuator



DBA	W	H	H1	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	M1	OAL	Dyn Load Capacity N	Dyn Moment Load Cap. Nm		
																	Mx	My	Mz
6045	60	45	46.5	37.25	61.5	25	31.5	504	35	389	76.5	10	M5	54.3	552	75	31	14.9	14.9

Product Family	Product Size	Travel Length	Lead	Motor Orientation	Motor	Limits	Cable Track	Custom
DBA	6045	500	81	MO	N232EPLG	L2	T1	001
	6045		81- 81 mm/rev	MO – Motor Opposite	N232EPLG - (6045) BLADE Stepper	L0 – No Limits L1 - 1 PNP, NC L2 - 2 PNP, NC L3 - 1 NPN, NO L4 - 2 NPN, NO	T0 – None T1 - Vert Std Size T2 - Vert Large Size T3 - Hor. Std Size T4 - Hor. Large Size	None - Standard 000- Custom
DBA-Dual Belt Actuator	X1/X2 Travel Min 100 mm Maximum 1000 mm							