

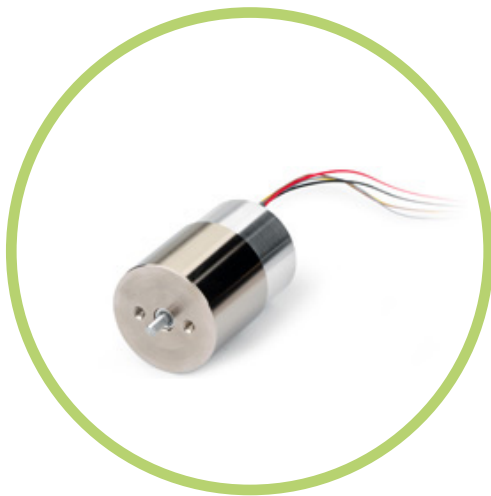


CYLINDRICAL HOUSED LINEAR VCA WITH AN INTEGRATED SENSOR

Introduction

The “Linear Voice Coil Actuator (VCA) with Integrated Position Sensor” is a housed VCA with an integrated Hall effect sensor. This convenient design enables users to run the actuator in a closed loop, allowing them to directly control the velocity, position, acceleration and/or oscillation of the shaft. In applications where high speed, high reliability, extreme accuracy, and superior performance are vital, this actuator is the perfect match.

BEI Kimco’s Voice Coil Actuator (VCA) Developer’s Kit pairs several “Cylindrical Housed Linear Voice Coil Actuators (VCA) including an Integrated Sensor ” with their corresponding controller, software and cables, allowing customers to quickly develop an actuation system and demonstrate a working design concept. For more information, [click here](#).



Features

- Easiest VCA to integrate into customer applications
- Resolution of up to 10 microns
- Absolute analog output
- Compatible with several DC servo drive controllers
- Life tested in excess of 500 million cycles

SPECIFICATIONS

Part Number	Peak Force (N / lb)	Total Stroke (mm / in)	Continuous Stall Force (N / lb)	Actuator Constant (N/√watt lb/√watt)	Outside Diameter/Width (mm/in)	Length at Mid-stroke (mm / in)	Resolution
LAS13-18-000A-P01-3E	15.57 / 3.5	6.36 / 0.25	5.07 / 1.14	2.36 / 0.53	31.62 / 1.25	45.72 / 1.8	10
LAS13-18-000A-P01-3S	15.57 / 3.5	6.36 / 0.25	5.07 / 1.14	2.36 / 0.53	31.62 / 1.25	45.72 / 1.8	10
LAS13-56-000A-P01-6E	97.36 / 21.9	12.8 / 0.5	23.1 / 5.19	7.63 / 1.72	33 / 1.3	142.2 / 5.6	20
LAS16-23-000A-P01-4E	89 / 20	6.08 / 0.24	17 / 3.82	5.83 / 1.31	40 / 1.58	58.42 / 2.3	10
LAS16-23-000A-P01-4S	89 / 20	6.08 / 0.24	17 / 3.82	5.83 / 1.31	40 / 1.58	58.42 / 2.3	10
LAS22-42-000A-P01-6E	106.7 / 60	25.4 / 1	23.2 / 5.2	5.57 / 1.25	55.9 / 2.2	106.7 / 4.2	40
LAS22-42-000A-P01-6I	106.7 / 60	25.4 / 1	23.2 / 5.2	5.57 / 1.25	55.9 / 2.2	106.7 / 4.2	40
LAS28-53-000A-P01-12E	266.9 / 60	25 / 0.98	60.1 / 13.5	13.09 / 2.94	70 / 2.76	132.7 / 5.22	40
LAS28-53-000A-P01-12I	266.9 / 60	25 / 0.98	60.1 / 13.5	13.09 / 2.94	70 / 2.76	132.7 / 5.22	40
LAS28-53-000A-P01-12S	266.9 / 60	25 / 0.98	60.1 / 13.5	13.09 / 2.94	70 / 2.76	132.7 / 5.22	40
LAS43-88-000A-P01-10E	1512.4 / 30	31.74 / 1.25	386.7 / 86.9	38.3 / 8.61	109.22 / 4.3	223.52 / 8.8	50
LAS43-88-000A-P01-10I	1512.4 / 340	31.74 / 1.25	386.7 / 86.9	38.3 / 8.61	109.22 / 4.3	223.52 / 8.8	50

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