



# CYLINDRICAL SEMI-HOUSED LINEAR VOICE COIL ACTUATORS (VCA)

## Introduction

Semi-housed voice coil actuators (VCA) enhance the basic frameless VCAs by adding both a shaft and self-aligning bushings to the unit. The lead wires have also been upgraded to a high flex variant, allowing for added protection from wear and tear. Various shaft options are available depending on the size of the actuator, including both external and internal threading, as well as a standard smooth shaft.



## Features

- Precision shaft with multiple options available
- Zero cogging and backlash free
- 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 $\sqrt{\text{watt}}$ / lb $\sqrt{\text{watt}}$ )	Outside Diameter/Width (mm / in)	Length at Mid-stroke (mm / in)
LA13-11-001A-3E	15.5 / 3.50	6.36 / 0.25	5.07 / 1.14	2.36 / 0.53	31.6 / 1.24	27.3 / 1.07
LA13-11-001A-3S	15.5 / 3.50	6.36 / 0.25	5.07 / 1.14	2.36 / 0.53	31.6 / 1.24	27.3 / 1.07
LA16-16-001A-4E	89.0 / 20.0	6.36 / 0.25	24.4 / 5.50	5.83 / 1.31	40.0 / 1.57	39.6 / 1.56
LA16-16-001A-4S	89.0 / 20.0	6.36 / 0.25	24.4 / 5.50	5.83 / 1.31	40.0 / 1.57	39.6 / 1.56
LA28-43-001A-12E	266 / 60.0	25.0 / 0.98	75.6 / 17.0	13.0 / 2.90	70.0 / 2.76	129 / 5.10
LA28-43-001A-12I	266 / 60.0	25.0 / 0.98	75.6 / 17.0	13.0 / 2.90	70.0 / 2.76	129 / 5.10
LA28-43-001A-12S	266 / 60.0	25.0 / 0.98	75.6	13.0 / 2.90	70.0 / 2.76	129 / 5.10
LA100-93-001A-50I	2447 / 500	50.8 / 2.00	1443 / 325	86.2 / 19.4	254 / 10.0	236 / 5.90
LA100-93-001A-50S	2447 / 500	50.8 / 2.00	1443 / 325	86.2 / 19.4	254 / 10.0	236 / 5.90

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