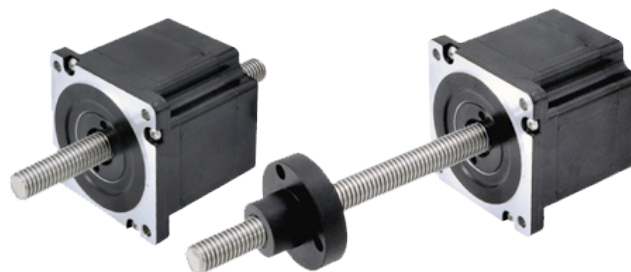


34AW Stepper Linear Actuators



FEATURES

- NEMA Size 34
- Motor Winding Options Available
- Custom Lead Screw Lengths
- Stepper Motor with Internal Nut
- Self Contained Package with Ball Bearings
- 1.8° Step Angle
- 0.0127mm up to 0.0635mm Per Full Step



DESCRIPTION

Anaheim Automation's 34AW leadscrew Stepper Motors were designed to be the most versatile linear position motors in today's market. These robust linear actuators, available in non-captive or external linear options, use a NEMA 34 hybrid stepper motor, and can be easily configured to solve difficult application problems. Integration of a leadscrew with a motor saves space, eliminates components, and reduces cost. While many standard configurations are available, custom modifications for OEM customers are welcome.

BUILD A PART NUMBER

34AW1063X18-LW8-EL-D

Frame
NEMA 34

106	79mm Motor Length 3.0A Rated Current
112	79mm Motor Length 6.0A Rated Current

Travel Per Step (mm)	
3	0.0127
B	0.015875
C	0.03175
Y	0.0635

Lead Screw Length "LS" (in)	
06	06"
12	12"
18	18"

# Of Lead Wires	
LW8	8

Type	
EL	External Linear
NC	Non-Captive

Accessories	
CODE	Type
Blank	Standard
D	Rear Mounting for Encoder 1.812" PCD

Note: See *Accessories* on our website for optional encoder and/or connector adders.

External Linear (EL)

Nut Part #	Description
34AW-3-NUT	Replacement nut for 34AW-EL stepper motor with 2.54mm lead, Leadscrew thread code 3

L011515

SPECIFICATIONS

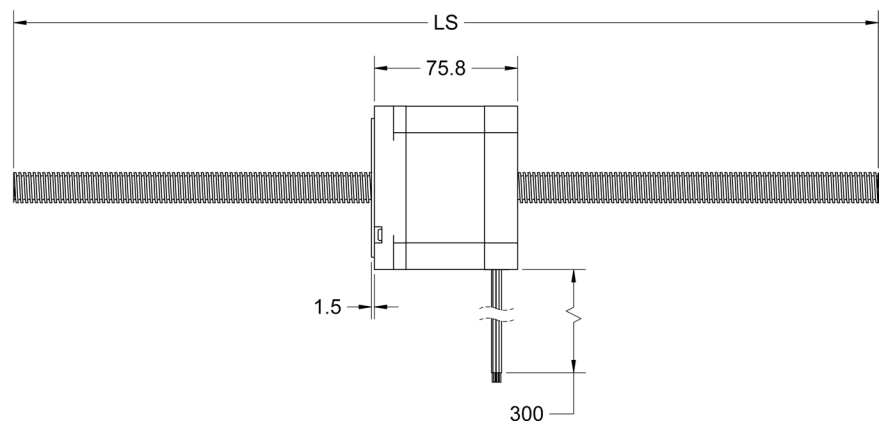
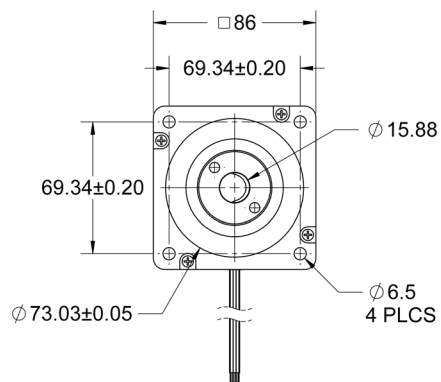
Motor Specifications

Model Number	Voltage (V)	Unipolar Current (A)	Resistance (ohms)	Inductance (mH)	Number of Leads	Motor Weight (lbs)	Motor Length (mm)	Screw Length (in(mm))
34AW1063X18-LW8-EL	4.5	3.0	1.5 ± 10%	6.3 ± 20%	8	6.40	79	18 (457.2)
34AW1063X18-LW8-NC	4.5	3.0	1.5 ± 10%	6.3 ± 20%	8	5.90	79	18 (457.2)

Leadscrew Thread Dimension (mm)

Code	Diameter	Step	Lead (mm)	Lead (in)
3	15.88	0.0127	2.54	0.100
B	15.88	0.015875	3.175	0.125
C	15.88	0.03175	6.35	0.250
Y	15.88	0.0635	12.7	0.500

34AW Non-Captive (NC)

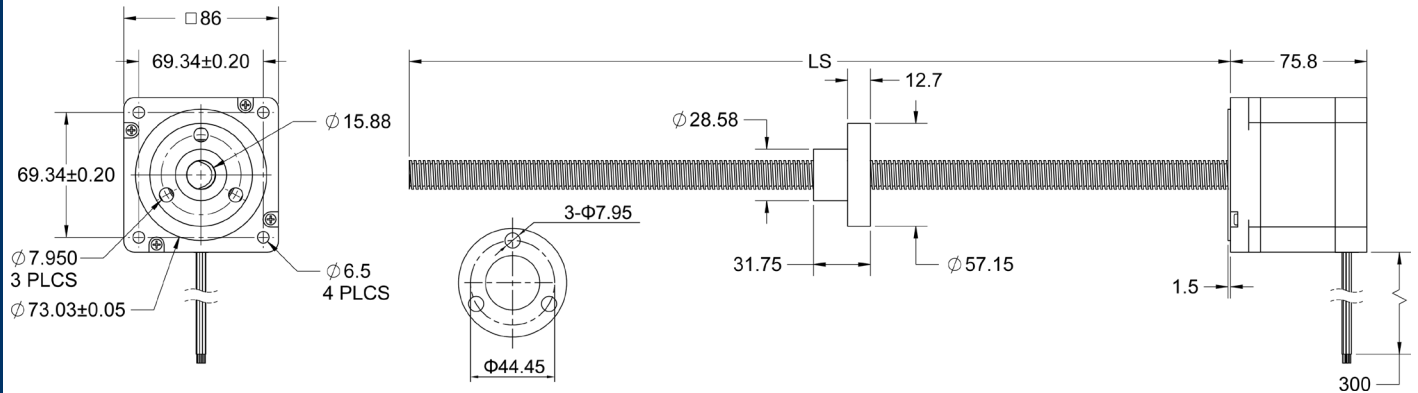


Units are in Millimeters

DIMENSIONS

DIMENSIONS

34AW External Linear (EL)



Units are in Millimeters

WIRING

