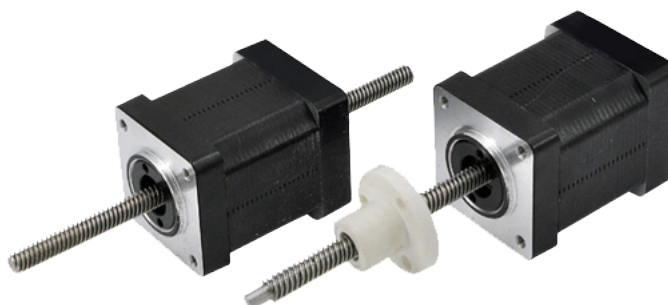


14AW Stepper Linear Actuators



FEATURES

- NEMA Size 14
- Motor Winding Options Available
- Custom Lead Screw Lengths
- Stepper Motor with Internal or External Nut
- Self Contained Package with Ball Bearings
- 1.8° Step Angle
- Multiple Lead Screw Thread Options
- From 0.003969mm up to 0.03175mm Per Full Step



DESCRIPTION

Anaheim Automation's 14AW 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, external linear, or anti-backlash options, use a NEMA 14 hybrid stepper motor, and can be easily configured to solve difficult applications 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.

14AW202CX06-LW4-ELD

Frame
NEMA 14

202	35mm Motor Length 0.7A Rated Current
304	48mm Motor Length 1.5A Rated Current

Travel Per Step	
CODE	Travel (mm)
A	0.0079375
B	0.015875
C	0.03175
P	0.003969
9	0.00635

Lead Screw Length "LS"		
CODE	in	mm
01	1	25.4
02	2	50.8
06	6	152.4
12	12	304.8
18	18	457.2

# Of Lead Wires	
LW4	4
LW6	6

Type	
EL	External Linear
NC	Non-Captive
EA	Anti-Backlash
CS	Captive Shaft*

*Captive Shaft
Max Stroke is
50.8mm(2")

Accessories	
CODE	Type
Blank	Standard
D	Dual Mounting Option with Encoder Holes

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

External Linear (EL)

Nut Part #	Description
14AW-C-NUT	Replacement nut for 14AW-EL stepper motor with 6.35mm lead, Leadscrew thread code C
14AW-P-NUT	Replacement nut for 14AW-EL stepper motor with 0.79375mm lead, Leadscrew thread code P

Anti-Backlash (EA)

Nut Part #	Description
14AW-C-ANUT	Replacement nut for 14AW-EA stepper motor with 6.35mm lead, Leadscrew thread code C
14AW-P-ANUT	Replacement nut for 14AW-EA stepper motor with 0.79375mm lead, Leadscrew thread code P

L011508

ORDERING INFORMATION

SPECIFICATIONS

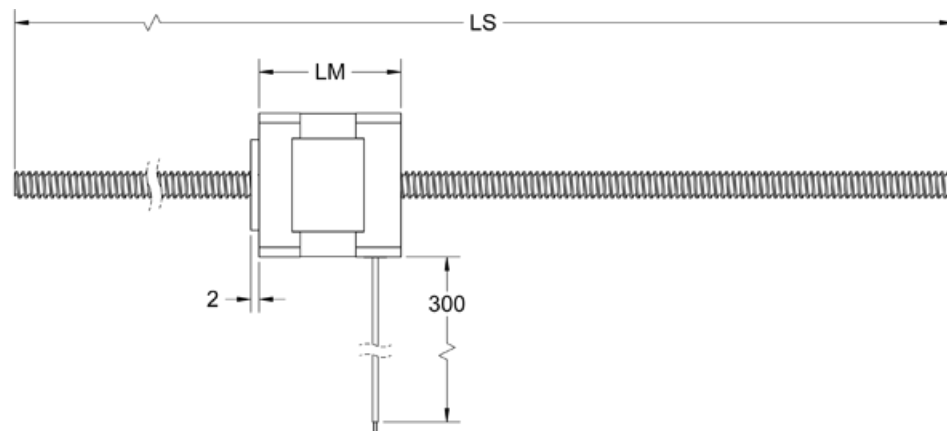
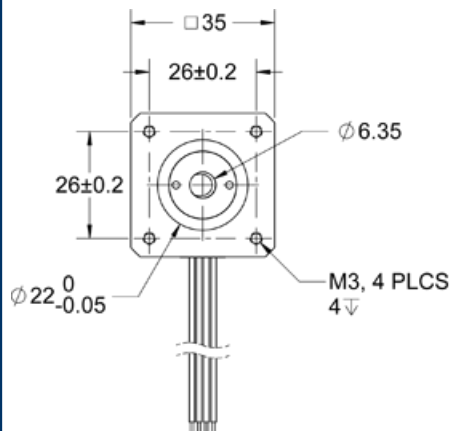
Motor Specifications

Model Number	Voltage (V)	Bipolar Current (A)	Resistance (ohms)	Inductance (mH)	Number of Leads	Motor Weight (lbs)	Motor Length "LM" (mm)	Screw Length (in(mm))
14AW202CX06-LW4-EL	4.9	1	7.0 ± 10%	10.0 ± 20%	4	0.45	35	6 (152.4)
14AW202CX12-LW4-NC	4.9	0.7	7.0 ± 10%	10.0 ± 20%	4	0.57	35	12 (304.8)
14AW202PX06-LW4-EL	4.9	0.7	7.0 ± 10%	10.0 ± 20%	4	0.52	35	6 (152.4)
14AW202PX06-LW4-NC	4.9	1	7.0 ± 10%	10.0 ± 20%	4	0.40	35	6 (152.4)
14AW202PX12-LW4-NC	4.9	0.7	7.0 ± 10%	10.0 ± 20%	4	0.57	35	12 (304.8)
14AW202PX18-LW4-NC	4.9	0.7	7.0 ± 10%	10.0 ± 20%	4	0.57	35	18 (457.2)
14AW202PX06-LW4-EA	4.9	0.7	7.0 ± 10%	10.0 ± 20%	4	0.45	35	6 (152.4)
14AW202PX12-LW4-EA	4.9	0.7	7.0 ± 10%	10.0 ± 20%	4	0.35	35	12 (304.8)
14AW304CX06-LW4-EL	4.2	2	2.8 ± 10%	3.8 ± 20%	4	0.60	48	6 (152.4)
14AW304CX12-LW4-NC	4.2	2	2.8 ± 10%	3.8 ± 20%	4	0.57	48	12 (304.8)
14AW304CX18-LW4-NC	4.2	1.5	2.8 ± 10%	3.8 ± 20%	4	0.62	48	18 (457.2)
14AW304PX06-LW4-NC	4.2	1.5	2.8 ± 10%	3.8 ± 20%	4	0.52	48	6 (152.4)
14AW304PX12-LW4-EL	4.2	2	2.8 ± 10%	3.8 ± 20%	4	0.70	48	12 (304.8)
14AW304PX12-LW4-NC	4.2	1.5	2.8 ± 10%	3.8 ± 20%	4	0.57	48	12 (304.8)
14AW304CX12-LW4-EA	4.2	1.5	2.8 ± 10%	3.8 ± 20%	4	0.52	48	12 (304.8)

Leadscrew Thread Dimension (mm)

Code	Diameter (mm)	Step (mm)	Lead (mm)
A	6.35	0.0079375	1.5875
B	6.35	0.015875	3.175
C	6.35	0.03175	6.35
P	6.35	0.00396875	0.79375
9	6.35	0.00635	1.27

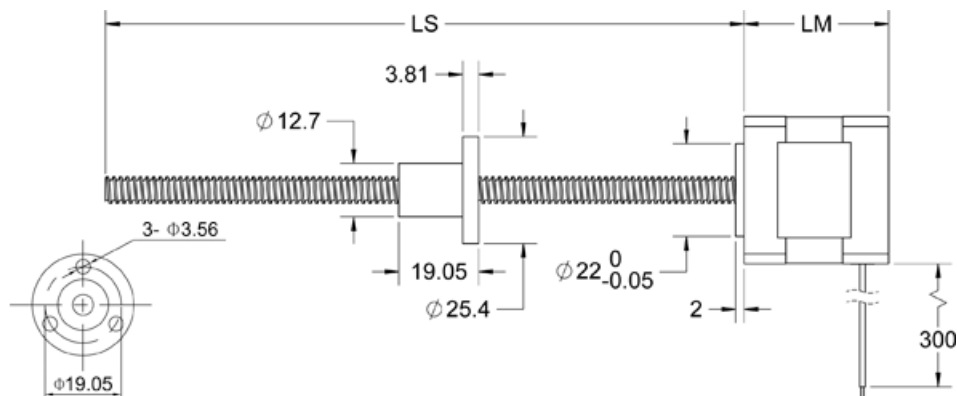
Non-Captive (NC)



Units are in Millimeters

DIMENSIONS

WIRING INFORMATION



Anti-Backlash Nut (EA)

