

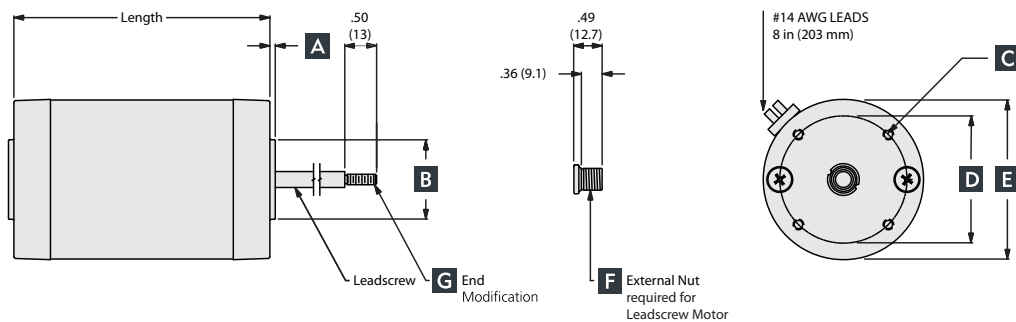
### Simple. More-Forceful.

This 2.5-in PMDC linear actuator is one of ElectroCraft's innovative permanent magnet DC motor designs available in both a linear actuator with axial leadscrew or a leadscrew motor with rotating leadscrew. This DC motor does not require expensive motor drives. Performance is proportional to input voltage and can be tuned by regulating input voltage.



APPD25 PMDC TYPE LINEAR ACTUATOR	
Size	2.5 inches or 6.4 cm
Torque	to 25 oz-in or 18 Ncm

Model	Length	Weight	Peak Torque	Constant Stall Torque	A	B	C	D	E	F	G
					Pilot Length	Pilot Diameter	Mount Hole Callout	Mount Hole Spacing	External Flange Dimension	External Nut Thread	Screw End Mod
APPD25	4.02 in	41.6 oz	142 oz-in	30 oz-in	0.08 in	1.25 ±0.005 in	#8-32 UNC-2B X 0.25 deep	1.414 in (2.0 BC)	2.52 in	3/8-40 UNS-2A	10-32 UNC 0.196/195 in dia Journal
APPD25M	102 mm	1.2 kg	100 Ncm	21 Ncm	2 mm	31.75 ±0.13 mm	M5x0.8 x 6.35mm deep	35.91 mm (50.8 BC)	64 mm	M10x7.5	M5x0.8 4.98/4.95 mm dia Journal



### APPD15 Model Number

#### 1 - Frame Size (Imperial or Metric)

**A P P D 2 5**

Product Name

Frame Size

#### 2 - Torque

**- 2 5**

Continuous Torque (oz-in)

**A P P D 2 5 M**

Product Name

Frame Size

Optional Metric

Continuous Torque (Ncm)

#### 3 - Winding

#### 4 - Features

**V 2 4 - 0 A B 4 0**

Voltage

Thread

Lead Option

Screw End Mod

Product

0 = Linear Actuator  
1 = Leadscrew Motor  
2 = Guided Linear Actuator

Screw Length

# APPD25

## ElectroCraft AxialPower™ Plus

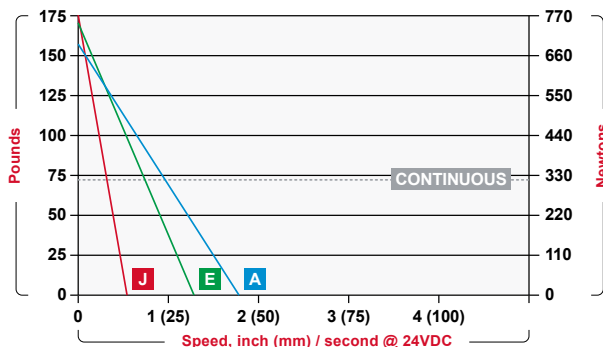
### STEPPER LINEAR ACTUATOR



### APPD25 - Performance

#### APPD25-25 APPD25M-18

Supply Voltage = 24 Volts



### APPD25 Mechanical / Winding Data

Stack Size Models	APPD25- 25V
Holding Torque Bi-Polar (oz-in)	25.0
Holding Torque Bi-Polar (Ncm)	17.65
Holding Torque Uni-Polar (oz-in)	25.0
Holding Torque Uni-Polar (Ncm)	17.65
Length (inches)	4.0
Length (cm)	10.1
Width (inches)	2.7
Width (cm)	6.9
Weight (oz)	41.6
Weight (Kg)	1.2
Number Leads	2

#### APPD25 Bi-Polar Windings

Winding Models	APPD25- 25V240
Current (A/Phase)	0.0
Voltage (V/Phase)	24.0
Resistance (R/Phase)	0.0
Inductance (mH)	0.0
Constant Rated Current (A)	1.6
Stall Current (A)	5.4
Voltage Constant (V/kRPM)	3.3
Torque Constant (oz.in/A)	4.4
Torque Constant (Ncm/A)	3.1



Your Genius. Our Drive.

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