

## 6" / 150mm DC 12V/24V Mini Pen Type Linear Actuator

**Application:**

Mainly used for Robots, Boat, Car, Lifting Platform, Electric Bicycle, Fan, Home Appliance, Automation Equipment etc. It can push, pull, lift and descend other devices.

**Feature:**

- High quality
- Generate linear motion (extending or retracting)
- DC motor drive
- Low power consumption
- Low noise design
- Stainless steel telescopic rod
- Wear and corrosion resistance
- Overload protection
- External stroke limit prevents over-extending and over-compressing.

**Specifications:**

Working voltage: DC 12V or DC 24V  
 Extension: 6" / 150mm  
 Compressed length between two mounting holes (shaft retracts completely): 275mm  
 Extended length between two mounting holes (shaft extends completely): 425mm  
 Speed: 7.5mm±1mm/second or 15mm±2mm/second  
 Max Load capacity: 25 Pound / 12Kg / 120N at 7mm/second, or 6 Pound / 3Kg / 30N at 15mm/second.  
 The linear actuator can get the maximum load capacity when it operates in the vertical direction.  
 Working current: (you should use a 3A power adapter to power this actuator.)

Speed	Max Load	Working Current			
		12V version		24V vesion	
		No Load	Full Load	No Load	Full Load
15mm±2mm/second	6 Pound / 3Kg / 30N	0.15A	0.52A	0.08A	0.3A
7.5mm±1mm/second	25 Pound / 12Kg / 120N	0.1A	0.4A	0.05A	0.25A

- Outer diameter: 20mm
- Mounting holes diameter: 5mm
- Environment temperature: -26°C to 85°C
- Noise level: lower than 40dB
- IP rating: IP54
- Weight: 220g

**Operation:**

Extending or retracting movement.  
 Moving direction can be changed by switching polarity.

