

## 12" / 300mm 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: 12"/ 300mm

Compressed length between two mounting holes (shaft retracts completely): 425mm

Extended length between two mounting holes (shaft extends completely): 725mm

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 version	
		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: 370g

### Operation:

Extending or retracting movement.

Moving direction can be changed by switching polarity.

