## Linear actuator, 500N / 50kg

Compact and economic linear actuator for smaller projects, where it can be used for numerous purposes. Connects to 12V DC or 24V. DC



Compact and economic linear actuator for smaller projects, where it can be used for numerous purposes. The actuator moves at 20mm per second and stops automatically when fully retracted or fully driven out. This makes it easy to mount without having to us endstops or similar.

It is important to point out that there can be a margin of up to +/- 10% in regards to the movement of 20mm per second.

The linear actuator can be used for lifting, turning, pulling or pushing parts, such as doors, gates, windows, tools etc. You should always consider the safety before using it.

The actuator is connected directly to 12V DC or 24V DC depending on the chosen model. It will retract or drive out depending on connected polarity. Reversing the polarity will reverse the direction. This can be done with a two-pole switch, relay or other controls.

The actuator is made of anodized aluminum and should not be used outdoors, or in exposed places.

The holes in both ends for mounting are 6mm. You will typically bolt the actuator in both ends, so that it can move freely when moving in and out.

#### Force calculations

We always recommend that you calculate how much force is needed before mounting an actuator, alternatively test it out. An easy way to calculate this is <u>the Lever principle</u>.

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Buy online at www.matronics.eu/613050

#### **Specifications**

Current 12V 3A (5A peak)

Powersupply Minimum 60W

Current 24V 1,5A (2,5A peak)

Lifetime 50000 times / ticks

#### Product overview

### 12V DC, 50mm



SKU 613049 Dimensions: 35 x 170 x 74mm

## 12V DC, 150mm



SKU 613051 Dimensions: 35 x 270 x 74mm

### 12V DC, 350mm



SKU 613053

12V DC, IOOOmm



SKU 613059 Dimensions: 35 x 1170 x 74mm

#### 24V DC, IOOmm



SKU 613042-100

#### 24V DC, 300mm



SKU 613042-300

#### 24V DC, 500mm



SKU 613042-500 Dimensions: 35 x 665 x 74mm

## 12V DC, IOOmm



SKU 613050 Dimensions: 35 x 215 x 74mm

### 12V DC, 300mm



SKU 613052 Dimensions: 35 x 415 x 74mm

#### 12V DC, 500mm



SKU 613054 Dimensions: 35 x 665 x 74mm

## 24V DC, 50mm



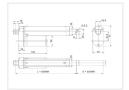
SKU 613042-50

## 24V DC, I50mm



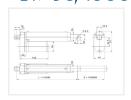
SKU 613042-150

#### 24V DC, 350mm



SKU 613042-350

## 24V DC, IOOOmm



SKU 613042-1000 Dimensions: 35 x 1170 x 74mm

# Product pictures



















