

# 1A motorised linear actuator

## LAT1

## 1 Amp

- 1 Amp motor, Supply 12-24V dc

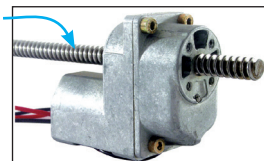
- Accuracy:  $\pm 0.2\text{mm}$

- Material:

Trapezoidal threaded screw: stainless steel AISI430F

- Flexible leadscrew is sold by the metre with un-finished ends

Moving screw



### Advantages

- Screws have M4/M5 threaded ends for easy connection

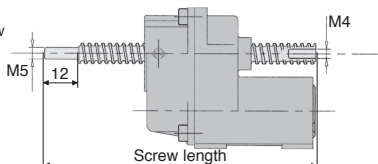
- Protected by sheaths, flexible shafts allow valves, doors or flaps to be operated at a distance

E.g. electric car windows

### Options

- Available in lengths up to 1000mm

- Flexible leadscrew sold by the metre



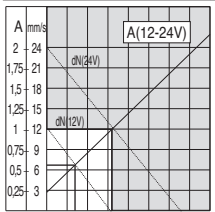
### DISCOUNTS

Qty	1+	2+	5+
Disc.	List	-15%	On request

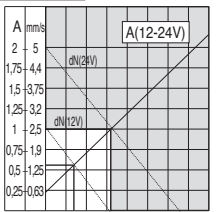
Part number	Ratio	Pitch (mm)	Ext. screw $\varnothing$ (mm)	Screw length (mm)	Stroke (mm)	Bending radius (mm)	Stock*	Price each
<b>Stainless steel leadscrew 3mm pitch</b>								
LAT1-12-3-200	1/12	3,0	8,8	200	141	-	✓	135,34 €
LAT1-12-3-300	1/12	3,0	8,8	300	241	-	-	135,34 €
LAT1-12-3-400	1/12	3,0	8,8	400	341	-	-	135,34 €
LAT1-48-3-200	1/48	3,0	8,8	200	141	-	-	135,34 €
LAT1-48-3-300	1/48	3,0	8,8	300	241	-	-	135,34 €
LAT1-48-3-400	1/48	3,0	8,8	400	341	-	-	135,34 €
LAT1-108-3-200	1/108	3,0	8,8	200	141	-	✓	135,34 €
LAT1-108-3-300	1/108	3,0	8,8	300	241	-	✓	135,34 €
LAT1-108-3-400	1/108	3,0	8,8	400	341	-	✓	135,34 €
<b>Stainless steel leadscrew 10mm pitch</b>								
LAT1-12-10-200	1/12	10,0	7,9	200	141	-	-	135,34 €
LAT1-12-10-300	1/12	10,0	7,9	300	241	-	-	135,34 €
LAT1-12-10-400	1/12	10,0	7,9	400	341	-	✓	135,34 €
LAT1-48-10-200	1/48	10,0	7,9	200	141	-	-	135,34 €
LAT1-48-10-300	1/48	10,0	7,9	300	241	-	-	135,34 €
LAT1-48-10-400	1/48	10,0	7,9	400	341	-	-	135,34 €
LAT1-108-10-200	1/108	10,0	7,9	200	141	-	-	135,34 €
LAT1-108-10-300	1/108	10,0	7,9	300	241	-	-	135,34 €
LAT1-108-10-400	1/108	10,0	7,9	400	341	-	-	135,34 €
<b>Steel flexible leadscrew 3.5mm pitch</b>								
LAT1-12-FLX	1/12	3,5	6,2	1000	941	60	-	135,34 €
LAT1-48-FLX	1/48	3,5	6,2	1000	941	60	-	135,34 €
LAT1-108-FLX	1/108	3,5	6,2	1000	941	60	-	135,46 €

\*Depending on availability - Dimensions in mm

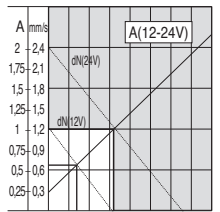
## Performance characteristics



**LAT1-12**



**LAT1-48**



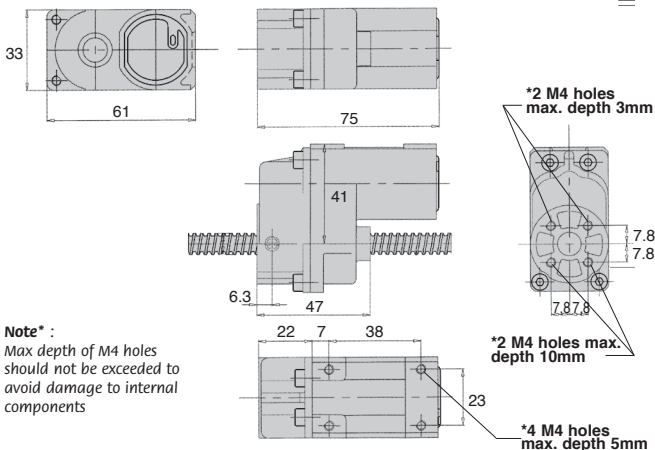
**LAT1-108**

1A Duty cycle (12V) : 80% On 20% Off  
 1A Duty cycle (24V) : 50% On 50% Off

**Note:**

- Optimum power obtained at 50% of max current (see light area of graph)
- Max working temperature: 70°C
- Thermal protection available, contact us for details

**Note**, these tables are for trapezoidal screws with a pitch of 3mm. For a pitch of 10mm, simply divide the loads by 10/3 and multiply the speeds by 10/3 (Similarly for screws with a pitch of 3.5mm, use a factor of 3.5/3.).



**Note\* :**

Max depth of M4 holes should not be exceeded to avoid damage to internal components

## Our other products



ACM\_TRI

Manual bonnet fastener, Black rubber fastener



MFBC

Flexible Bellows coupling, Aluminium and Bronze - with clamping jaw



GB-RA

Brass spur gear, Brass CuZn39Pb3



SUA4

Single chain supplied by the metre, Steel



SC2

2 part rigid shaft clamp, Clamping jaw



SLH-M

Nut for toggle clamp, Round ended nut for SLH/SLV clamp



CDGamme

Compression spring DIN2095, DIN 2095



LWL

Linear ball slide - Stainless steel balls, Chariot - from 514 N to 1...



OP2

Mechanical digital position indicator, 3 numbers



EAR

Bearing locknut, Self locking locknut - nylon lock washer



SH1

Parallel axis helical gear, Machined plastic (delrin)



PSG125HC

Skive hobbed spur gears - precision range, Case hardened steel 20NCD2

Complementary products