

1A motorised linear actuator

LAT1

1 Amp

- 1 Amp motor, Supply 12-24V dc

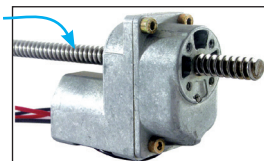
- Accuracy: $\pm 0.2\text{mm}$

- 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

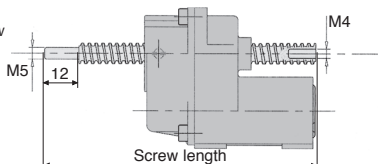
- Protected by sheaths, flexible shafts allow valves, doors or flaps to be operated at a distance

E.g. electric car windows

Options

- Available in lengths up to 1000mm

- Flexible leadscrew sold by the metre



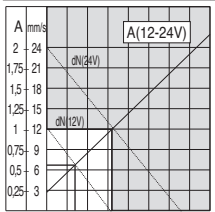
DISCOUNTS

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

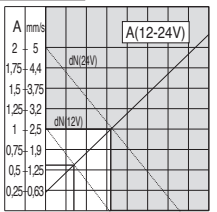
Part number	Ratio	Pitch (mm)	Ext. screw \varnothing (mm)	Screw length (mm)	Stroke (mm)	Bending radius (mm)	Stock*	Price each
Stainless steel leadscrew 3mm pitch								
LAT1-12-3-200	1/12	3,0	8,8	200	141	-	✓	135,34 €
LAT1-12-3-300	1/12	3,0	8,8	300	241	-	-	135,34 €
LAT1-12-3-400	1/12	3,0	8,8	400	341	-	-	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 €
Stainless steel leadscrew 10mm pitch								
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 €
Steel flexible leadscrew 3.5mm pitch								
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

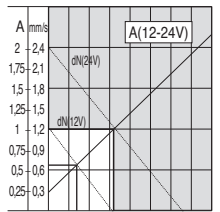
Performance characteristics



LAT1-12



LAT1-48



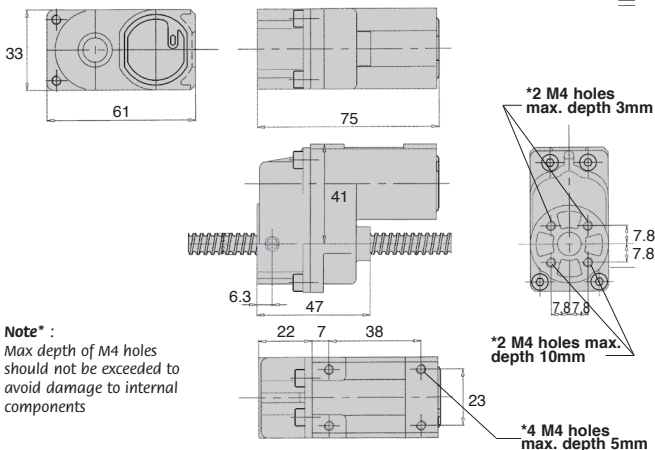
LAT1-108

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



PRF-SRA-78

Lock for aluminium profile, Quick fitting, self locking door lock



M0

Worm and wheel set, Non hardened steel



CTZYSS

Stainless steel diablo shaped elasto mount, Stainless steel



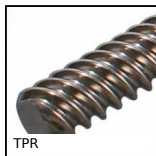
SH2

Parallel axis helical gear, Machined plastic (delrin)



GCH

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



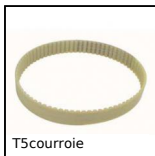
TPR

High helix leadscrew, Leadscrew only - up to 40mm per rotation to 1...



BFD

Locking pin for bush, +180°C



T5courroie

T type timing belt, T5 Steel cored polyurethane



PRT-TO

igidur® slewing ring, With external teeth-



PFC

Fixed rubber levelling foot, Levelling support



TS01_TW01

Drylin® T linear slide, up to 7000 N



CHAR16046

Spring hinge, screwed

Complementary products



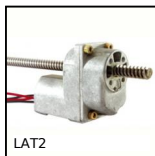
LVT

Miniature motorised actuator 1A, 1 amper



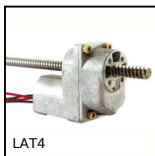
LVT

Miniature motorised actuator 1A, 1 amper



LAT2

2A motorised linear actuator, 2 amperes



LAT4

4A motorised linear actuator, 4 amperes