

1A motorised linear actuator

LAT1

1 Amp

- 1 Amp motor, Supply 12-24V dc

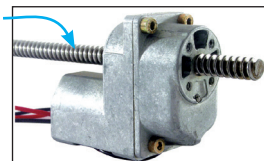
- Accuracy: $\pm 0.2\text{mm}$

- 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

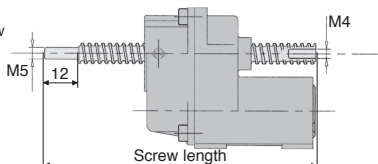
- Protected by sheaths, flexible shafts allow valves, doors or flaps to be operated at a distance

E.g. electric car windows

Options


- Available in lengths up to 1000mm

- Flexible leadscrew sold by the metre



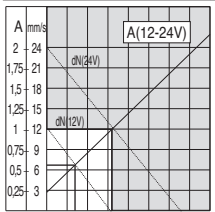
DISCOUNTS

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

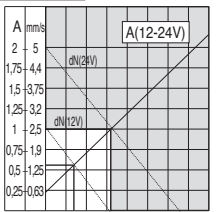
Part number	Ratio	Pitch (mm)	Ext. screw \varnothing (mm)	Screw length (mm)	Stroke (mm)	Bending radius (mm)		Price each
Stainless steel leadscrew 3mm pitch								
LAT1-12-3-200	1/12	3,0	8,8	200	141	-	✓	135,34 €
LAT1-12-3-300	1/12	3,0	8,8	300	241	-	-	135,34 €
LAT1-12-3-400	1/12	3,0	8,8	400	341	-	-	135,34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

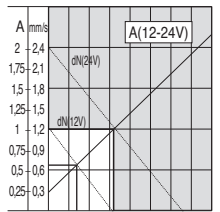
Performance characteristics



LAT1-12



LAT1-48



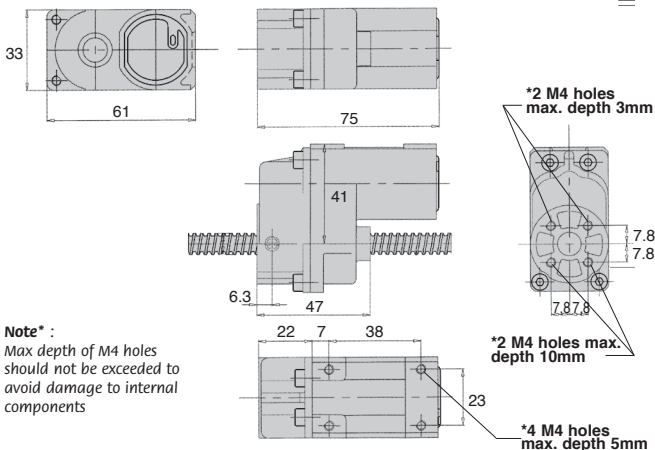
LAT1-108

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



CHT
Asynchronous AC
Motor, 0.18 to 0.55kW



ACL-PLAngle
Joining plate for
aluminium profile,
Angle connection



SHA_PT
Handwheel with
handle, Polyamide



ACLEFS
Floor anchor for
aluminium profile,
Adjustable



MFBS
Stainless steel flexible
bellows coupling,
Stainless steel - with
seal...



SH1
Parallel axis helical
gear, Steel 20NCD2



AT5courroie
AT type timing belt,
AT5 Steel cored
polyurethane



Q7
Angular contact ball
bearing, Steel



BABPass
Hardened stainless
steel ball pin with
ring, With grip ring



HTD8M_20
HTD Heavy duty
timing pulley, HTD8
Cast



CHM90
Worm and wheel gear
reducer, up to 540
Nm



PSG125HC
Skive hobbled spur
gears - precision
range, Case hardened
steel 20NCD2

Complementary products