

# ACTUATOR LA30

## Features and options:

- 12/ 24V DC permanent magnet motor
- Max. thrust up to 6000 N (LA30LK)
- Stainless steel piston rod
- Elegant and compact construction with small installation dimensions
- Protection Class: IPX0/66
- Colour: Black
- Speed max. 65 mm/s (LA30 S-motor with 12 mm pitch)
- Low noise level
- Steel construction for all bearing parts
- Acme thread spindle for optimum efficiency
- Extra powerful motor (S-motor)
- L-motor for system actuator
- IP66 (by ordering LA30 with plastic housing)
- Double-acting brake - increased self-locking ability (LA30 with 6 or 9 mm pitch + LA30 S-motor with 6 or 9 mm pitch and LA30L) which ensures that all these types are fully self-locking.
- Potentiometer for positioning the actuator 0-1 K ohm, 0-5 K ohm or 0-10 K ohm
- Reed switch (only LA30 L-motor versions): 8 pulses pr. spindle revolution
- Mechanical spline function. Safety feature by using the mechanical spline, the actuator can only push.
- Safety nut (only in push)
- Terminal cover (only LA30 L-motor versions)
- Ball screw (K) (only LA30 L-motor versions)
- Ball screw and safety nut (KAS) (only LA30 L-motor versions)
- Ball screw, safety nut and splines (KSM) (only LA30 L-motor versions)

## Usage:

- Duty cycle: Max. 10% or 6 min/hour at continuous use
- Ambient temperature +5° to +40°C
- Storage temperature -40° to +70°C
- Compatible with control boxes CB8, CB12,
- Should LA30 be used with a non LINAK control unit, please ask the nearest LINAK representative for further details



**CARELINE™**  
IMPROVING EFFICIENCY  
**TECHLINE™**  
IMPROVING FLEXIBILITY

LA30 is a powerful actuator yet small enough to fit most applications. The actuator can be supplied with options such as built-in potentiometer for servo operation or an extra powerful motor for increased speed and strength (S-motor). In addition to industrial and agricultural applications, the actuator is also ideal for positioning satellite dishes.

**Technical specifications:**

New type	Spindle pitch (mm)	Thrust max. Push (N)	Thrust max. Pull (N)	*Self-lock max. With/without brake (N)	Typical speed 0/ full load (mm/s)	Stroke length									Typical amp. at full load	
						(mm)									12V	24V
						50	100	150	200P	250	300	350	400P			
307xx0-4xxxx0/5xx	12	1000	1000	1000/0	48/24	50	100	150	200P	250	300	350	400P	14	7	
303xx0-4xxxx0/5xx	9	1500	1500	1500/400	42/20	50	100	150P	200	250	300P	350	400	14	7	
302xx0-4xxxx0/5xx	6	2000	2000	2000/500	18.5/14	50	100P	150	200P	250	300	350	400P	14	7	
301xx0-xxxx0/5xx	3	3000	3000	3000/3000	16/9	50P	100P	150	200P	250	300	350	400	14	6.4	
307xx0-4xxxx1/2xx	12	1000	1000	1000/0	65/35	50	100	150	200P	250	300	350	400P	20	10	
303xx0-4xxxx1/2xx	9	1800	1800	1800/0	52/25	50	100	150P	200	250	300P	350	400	20	10	
302xx0-4xxxx2xx	6	2000	2000	2000/500	34/20.3	50	100P	150	200P	250	300	350	400P	18	-	
302xx0-4xxxx1xx	6	2400	2400	2400/500	34/20.3	50	100P	150	200P	250	300	350	400P		9	
301xx0-xxxx1/2xx	3	3500	3000	3500/3500	17/9.5	50P	100P	150	200P	250	300	350	400	18	9	
307xx0-4xxxx4xx	12	1000	1000	1000/0	26/20	50	100	150	200P	250	300	350	400P	-	2.5	
303xx0-4xxxx4xx	9	2000	2000	2000/0	20/13	50	100	150P	200	250	300P	350	400	-	4.4	
302xx0-4xxxx4xx	6	3000	3000	3000/2000	13.8/7	50	100P	150	200P	250	300	350	400P	-	4	
301xx0-xxxx4xx	3	4000	3000	4000/4000	7/4.5	50P	100P	150	200P	250	300	350	400	-	5.5	
30Kxx0-0xxxx4xx	4	6000	3000	6000/n/a	8.7/5.5	-	-	150	200	250	300	350	400	-	4.7	
30Kxx0-1xxxx4xx	4	6000	3000	6000/n/a	8.7/5.5	-	-	150	200	250	300	350	400	-	4.7	
30Kxx0-3xxxx4xx	4	6000	3000	6000/n/a	8.7/5.5	-	100	150	200	250	300	350	400	-	4.7	

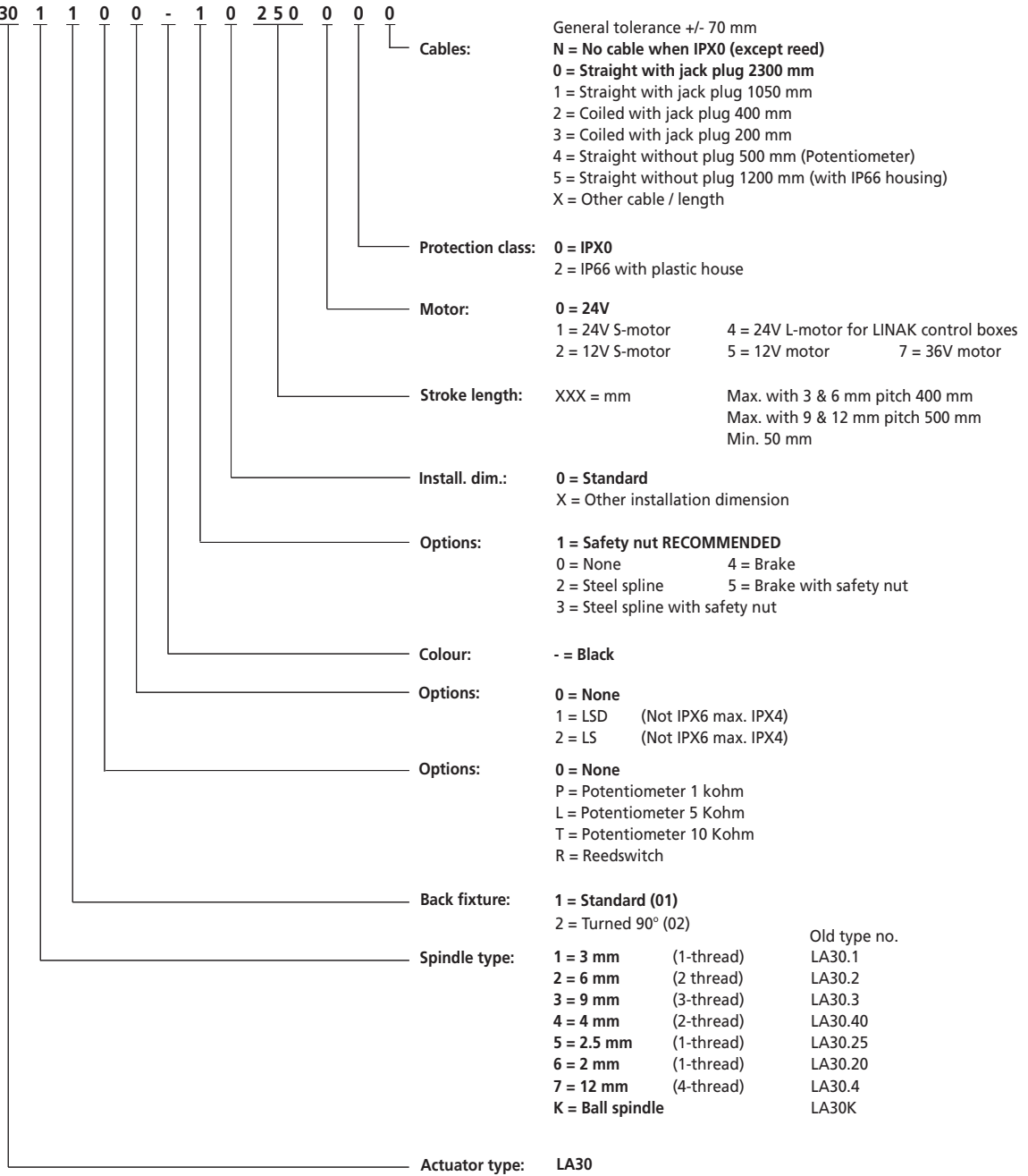
The above measurements are made with the actuators connected to a stable power supply, LA30 L-motor versions with a CB12.

S = Strong motor; L = Slow motor; K = Ball screw; KAS = Ball screw, safety nut; KSM = Ball screw, safety nut, spline.

# LA30

## Ordering example:

30 1 1 0 0 - 1 0 2 5 0 0 0 0



Cables:

General tolerance +/- 70 mm  
**N = No cable when IPX0 (except reed)**  
**0 = Straight with jack plug 2300 mm**  
 1 = Straight with jack plug 1050 mm  
 2 = Coiled with jack plug 400 mm  
 3 = Coiled with jack plug 200 mm  
 4 = Straight without plug 500 mm (Potentiometer)  
 5 = Straight without plug 1200 mm (with IP66 housing)  
 X = Other cable / length

Protection class:

**0 = IPX0**  
 2 = IP66 with plastic house

Motor:

**0 = 24V**  
 1 = 24V S-motor                    4 = 24V L-motor for LINAK control boxes  
 2 = 12V S-motor                    5 = 12V motor                    7 = 36V motor

Stroke length:

XXX = mm                    Max. with 3 & 6 mm pitch 400 mm  
    Max. with 9 & 12 mm pitch 500 mm  
    Min. 50 mm

Install. dim.:

**0 = Standard**  
 X = Other installation dimension

Options:

**1 = Safety nut RECOMMENDED**  
 0 = None                    4 = Brake  
 2 = Steel spline                    5 = Brake with safety nut  
 3 = Steel spline with safety nut

Colour:

- = Black

Options:

**0 = None**  
 1 = LSD (Not IPX6 max. IPX4)  
 2 = LS (Not IPX6 max. IPX4)

Options:

**0 = None**  
 P = Potentiometer 1 kohm  
 L = Potentiometer 5 Kohm  
 T = Potentiometer 10 Kohm  
 R = Reedswitch

Back fixture:

**1 = Standard (01)**  
 2 = Turned 90° (02)

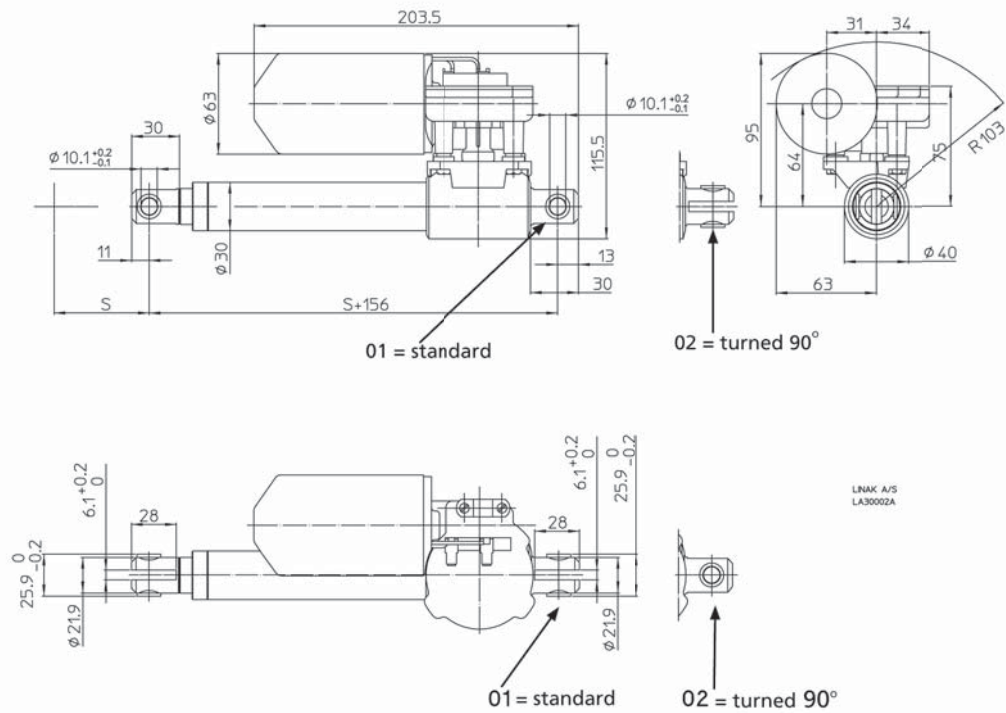
Spindle type:

<b>1 = 3 mm</b>	(1-thread)	Old type no.	LA30.1
<b>2 = 6 mm</b>	(2 thread)		LA30.2
<b>3 = 9 mm</b>	(3-thread)		LA30.3
<b>4 = 4 mm</b>	(2-thread)		LA30.40
<b>5 = 2.5 mm</b>	(1-thread)		LA30.25
<b>6 = 2 mm</b>	(1-thread)		LA30.20
<b>7 = 12 mm</b>	(4-thread)		LA30.4
<b>K = Ball spindle</b>			LA30K

Actuator type:

LA30

**Dimensions:**



**Installation dimension:**

LA30 L-motor + LA30 + LA30 S-motor with 3 or 6 mm pitch	S + 156 mm
LA30 with spline + LA30 S-motor with 9 mm pitch	S + 167 mm
LA30 with brake + LA30 S-motor with 3 or 6 mm pitch with brake	S + 189 mm
LA30 with ball screw and L-motor / LA30 ball screw and safety nut	S + 194 mm
LA30 L-motor with brake + LA30 S-motor 9 or 12 mm pitch with brake	S + 199 mm
LA30 L-motor with ball screw, safety nut and spline	S + 251 mm

**Terms of use**

The user is responsible for determining the suitability of LINAK products for specific application. LINAK takes great care in providing accurate and up-to-date information on its products. However, due to continuous development in order to improve its products, LINAK products are subject to frequent modifications and changes without prior notice. Therefore, LINAK cannot guarantee the correct and actual status of said information on its products. While LINAK uses its best efforts to fulfil orders, LINAK cannot, for the same reasons as mentioned above, guarantee the availability of any particular product. Therefore, LINAK reserves the right to discontinue the sale of any product displayed on its website or listed in its catalogues or other written material drawn up by LINAK. All sales are subject to the Standard Terms of Sale and Delivery for LINAK. For a copy hereof, please contact LINAK.