

ACTUATOR LA30

Features:

- 12/24V DC permanent magnet motor
- Max. thrust up to 6000 N (LA30LK)
- Stainless steel piston rod
- Duty cycle: Max. 10% or 6 min/hour at continuous use
- Ambient temperature +5° to +40°C
- Elegant and compact construction with small installation dimensions
- Protection class: IP51 / IP66
- 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
- Storage temperature -40° to +70°C

Options:

- 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.
- Optical encoder for positioning the actuator. 10 pulses pr. spindle revolution.
- Reed switch (only LA30L 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)



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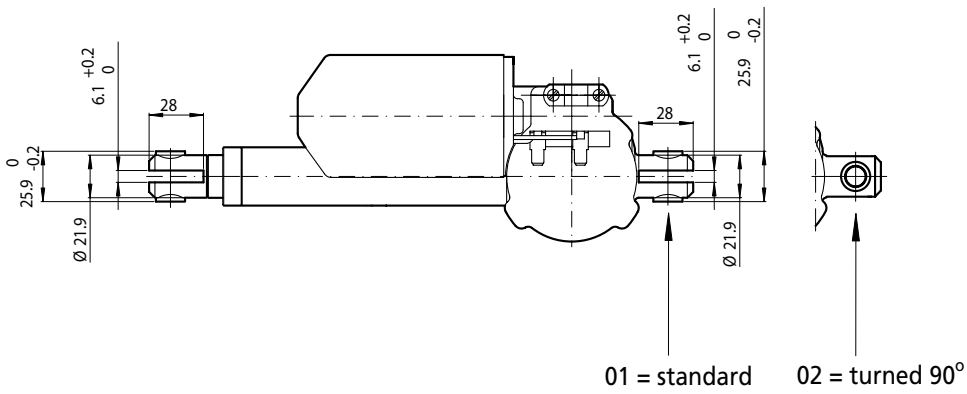
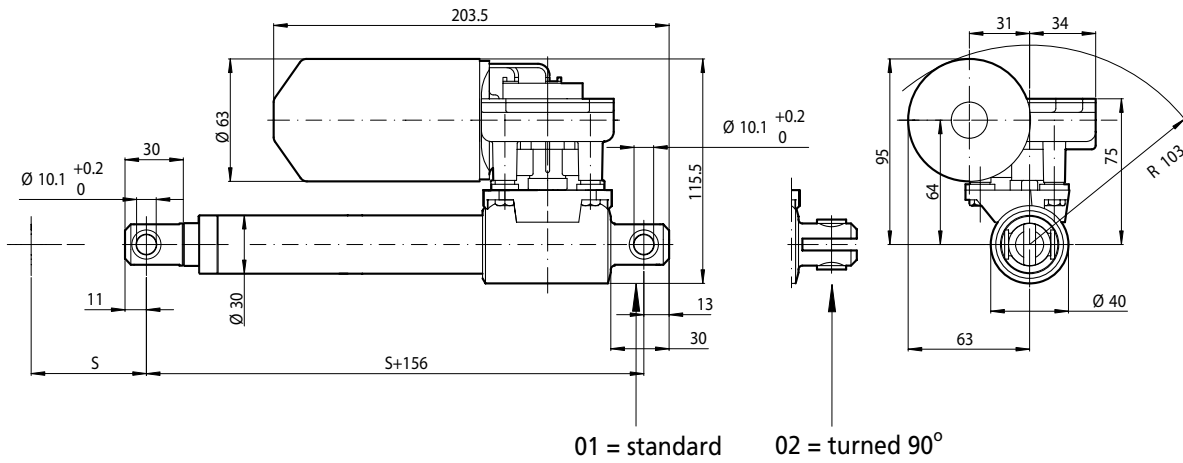
LA30 is a powerful actuator yet small enough to fit to most applications.

The actuator can be supplied with options such as built-in potentiometer for servo operation or 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.

The system actuator LA30L (option) can be combined with LINAK control boxes and it is perfect for a variety of furniture applications.

Dimensions:

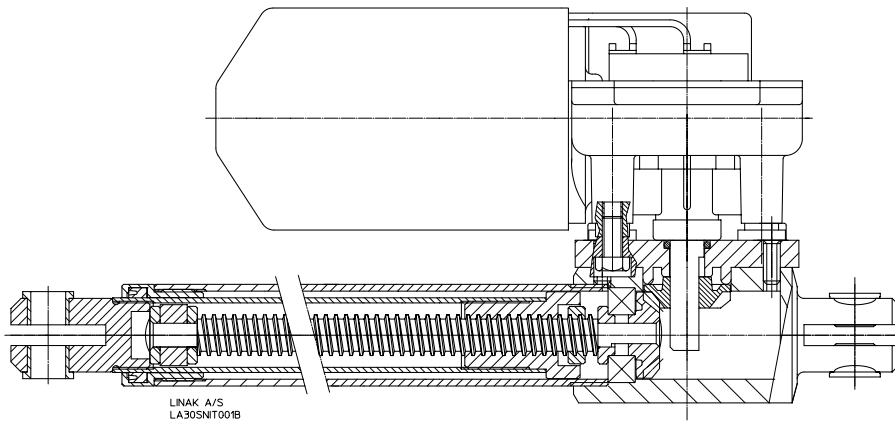


LINAK A/S
LA30002A

Installation dimension:

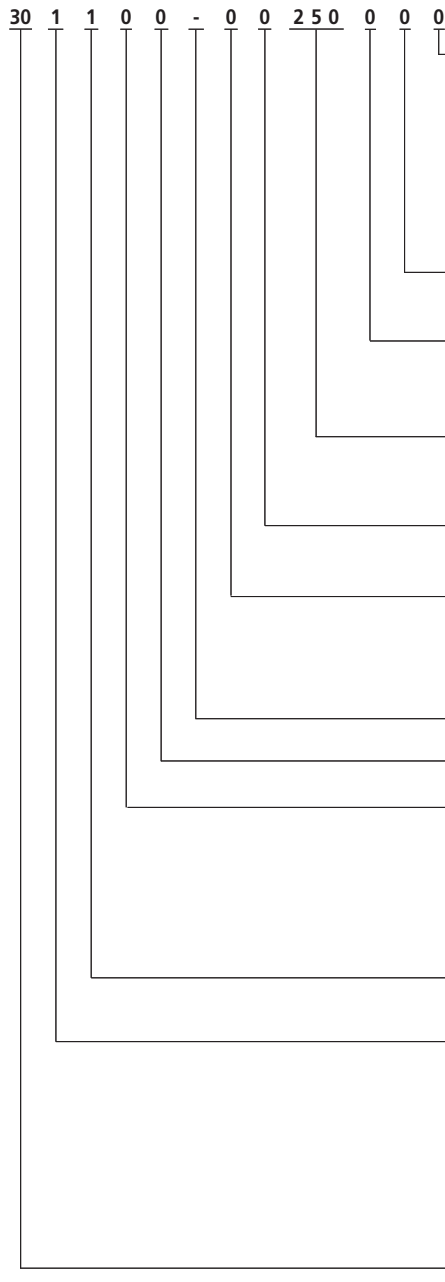
LA30 L-motor + LA30 + LA30 S-motor with 3 or 6mm. pitch	S + 156 mm
LA30 with spline + LA30 S-motor with 9 mm. pitch	S + 167 mm
LA30 with brake + LA30 S-motor with 3 or 6 mm. pitch with brake	S + 189 mm
LA30 with ball screw and L-motor / LA30 ball screw and safety nut	S + 194 mm
LA30 L-motor with brake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

LA30 Standard:



LA30

Ordering example:



- Cables:**
 - N = No cable when IP51 (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 = IP51**
 - 2 = IP66 with plastic house

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

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

- Colour:**
 - = Black

- Option:**
 - 0 = None**

- Option:**
 - 0 = None**
 - P = Potentiometer 1 Kohm
 - L = Potentiometer 5 Kohm
 - T = Potentiometer 10 Kohm
 - R = Reedswitch
 - D = Optical encoder

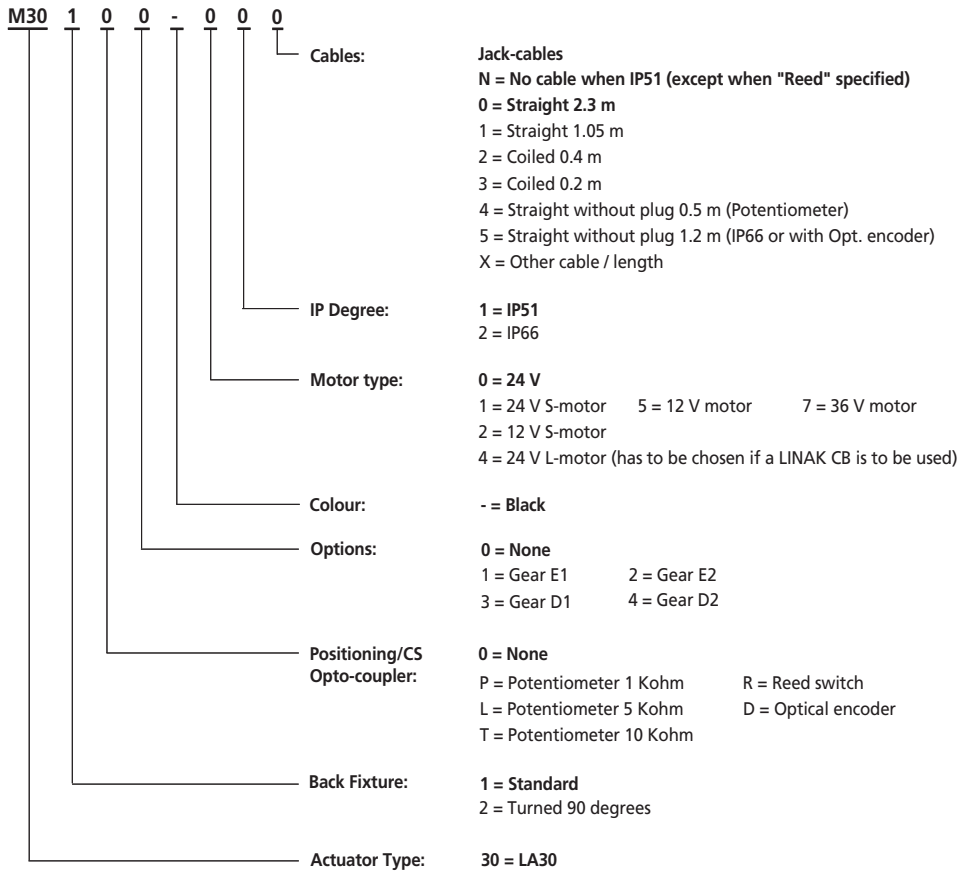
- Back fixture:**
 - 1 = Standard (01)**
 - 2 = Turned 90° (02)

- Spindle type:**
 - 1 = 3 mm (1-tread) Old type no. LA30.1
 - 2 = 6 mm (2-tread) LA30.2
 - 3 = 9 mm (3-tread) LA30.3
 - 4 = 4 mm (2-tread) LA30.40
 - 5 = 2.5 mm (1-tread) LA30.25
 - 6 = 2 mm (1-tread) LA30.20
 - 7 = 12 mm (4-tread) LA30.4
 - K = Ball spindel LA30K

- Actuator type:**
 - LA30

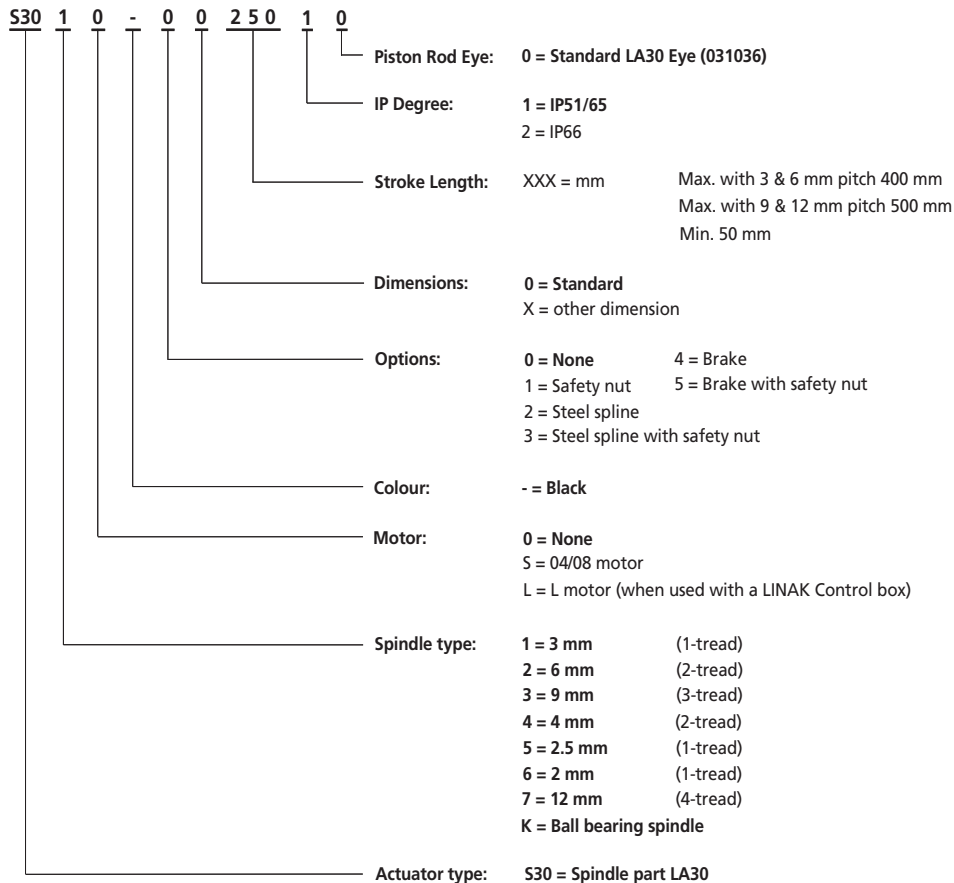
LA30

Ordering example motor part:

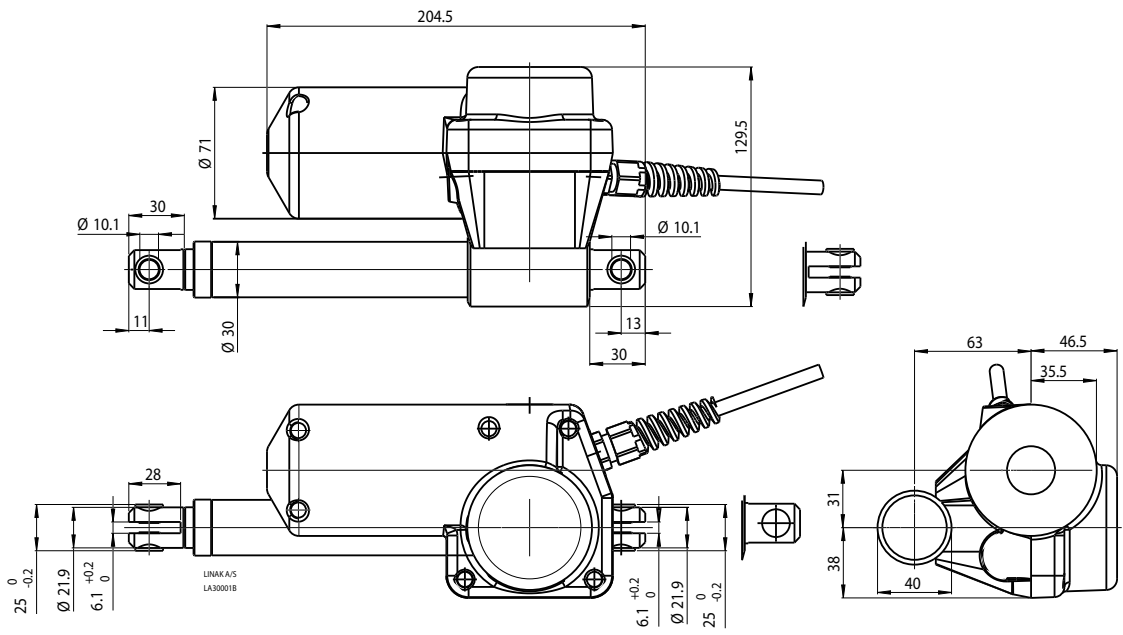


LA30

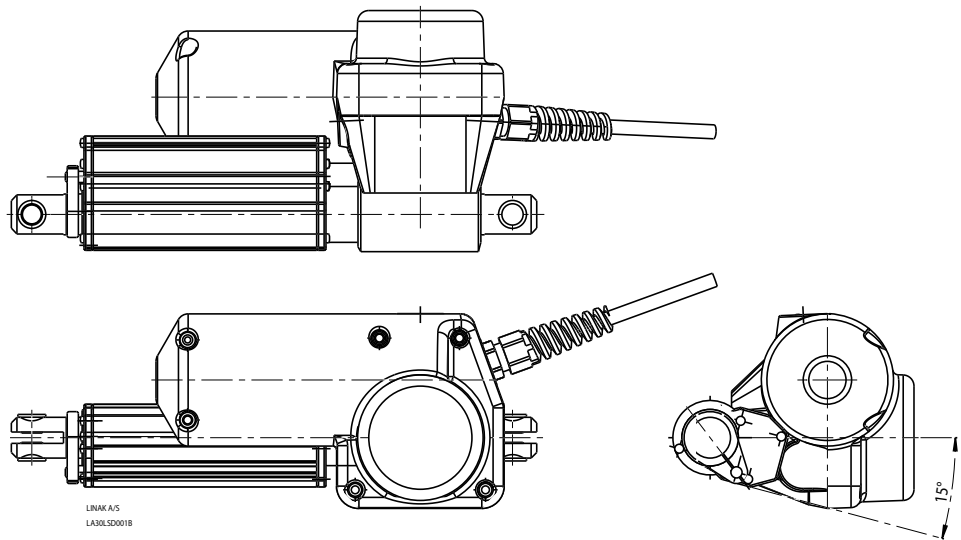
Ordering example spindle part:



Dimensions:



LA30 with housing mounted with LSD (protection class IP54)



Technical specifications:

New type	Old type	Spindle pitch (mm)	Thrust max. (N)	*Self-lock max. With/without brake (N)	Typical speed 0/full load (mm/s)	Stroke length (mm)								Typical amp. at full load	
						50	100	150	200	250	300	350	400	12V	24V
307xx0-4xxxx0/5xx	LA30.4B	12	1000	1000/0	48/24	50	100	150	200	250	300	350	400	14	7
303xx0-4xxxx0/5xx	LA30.3B	9	1500	1500/400	42/20	50	100	150	200	250	300	350	400	14	6.9
302xx0-4xxxx0/5xx	LA30.2B	6	2000	2000/500	18.5/14	50	100	150	200	250	300	350	400	14	7
301xx0-xxxxx0/5xx	LA30.1	3	3000	3000/3000	16/9	50	100	150	200	250	300	350	400	14	6.4
307xx0-4xxxx1/2xx	LA30.7SB	12	1000	1000/0	65/35	50	100	150	200	250	300	350	400	20	10
303xx0-4xxxx1/2xx	LA30.3SB	9	1800	1800/400	52/25	50	100	150	200	250	300	350	400	20	10
302xx0-4xxxx1/2xx	LA30.2SB	6	2400	2400/500	34/20.3	50	100	150	200	250	300	350	400	18	9.1
301xx0-xxxxx1/2xx	LA30.1S	3	3500	3500/3500	17/9.5	50	100	150	200	250	300	350	400	18	9.3
307xx0-4xxxx4xx	LA30.4LB	12	1000	1000/0	26/20	50	100	150	200	250	300	350	400	-	2.5
303xx0-4xxxx4xx	LA30.3LB	9	2000	2000/500	20/13	50	100	150	200	250	300	350	400	-	4.4
302xx0-4xxxx4xx	LA30.2L	6	3000	3000/2000	13.8/7	50	100	150	200	250	300	350	400	-	4
301xx0-xxxxx4xx	LA30.1L	3	4000	4000/4000	7/4.5	50	100	150	200	250	300	350	400	-	3.5
30Kxx0-0xxxx4xx	LA30.LK	4	6000	6000/6000	8.7/5.5	-	-	150	200	250	300	350	400	-	4.7
30Kxx0-1xxxx4xx	LA30.KAS	4	6000	6000/6000	8.7/5.5	-	-	150	200	250	300	350	400	-	4.7
30Kxx0-3xxxx4xx	LA30.LKSM	4	6000	6000/6000	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

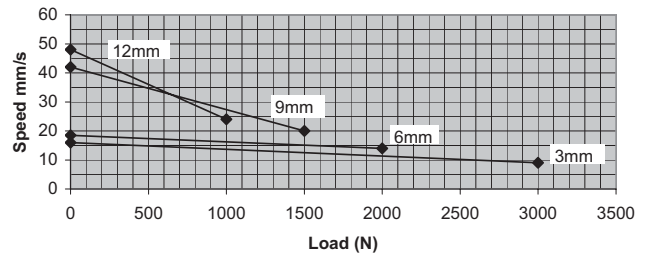
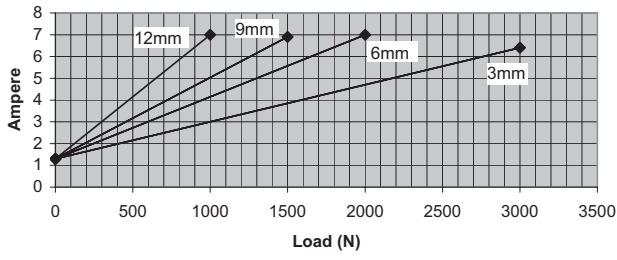
K = Ball screw

KAS = Ball screw, safety nut

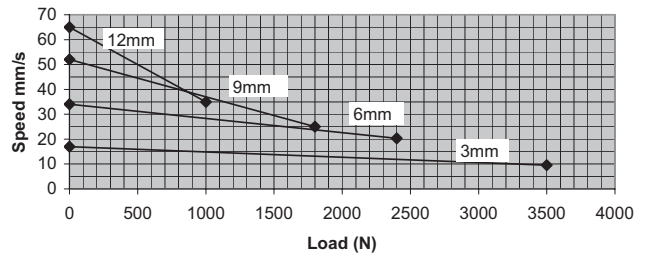
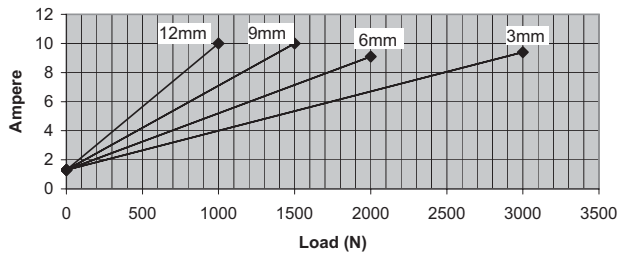
KSM = Ball screw, safety nut, spline

All stroke lengths marked with background shading give full resolution with the standard potentiometer (1; 5 or 10Kohm). A potentiometer may be used with other stroke lengths but will not give full resolution.

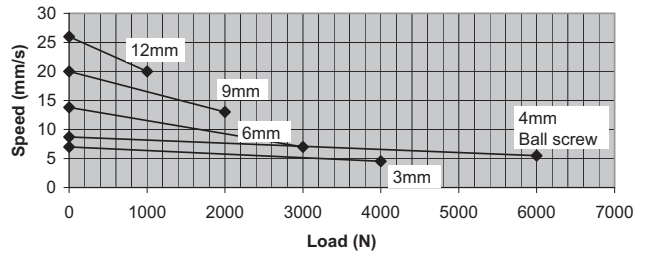
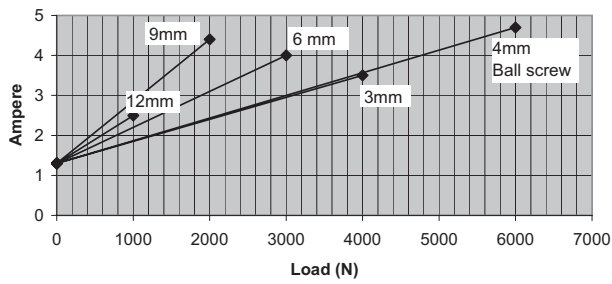
LA30 24V motor



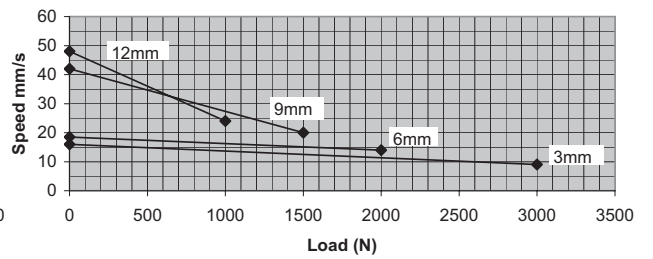
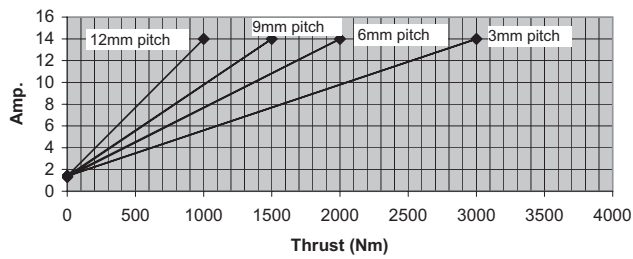
LA30 24V S-motor



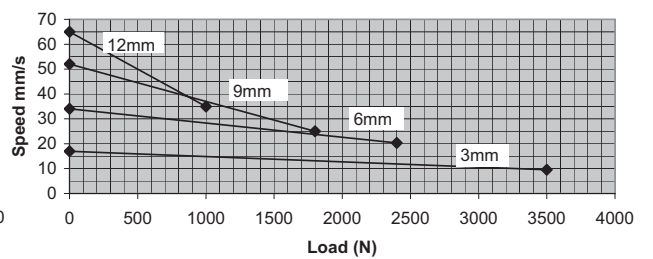
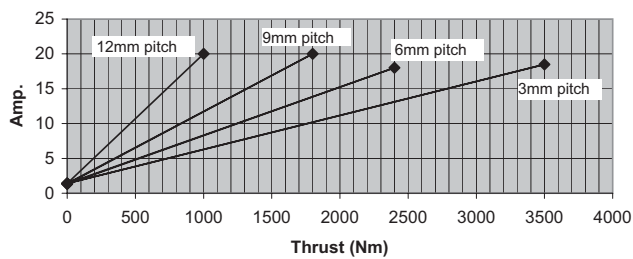
LA30 24V L-motor



LA30 12V motor



LA30 12V S-motor



Specifications subject to change without prior notice.
It is the responsibility of the product user to determine the suitability of LINAK A/S products for a specific application. LINAK will at point of delivery replace/repair defective products covered by the warranty if promptly returned to the factory. No liability is assumed beyond such replacement/repair.