

Actuator LD60

LD60 is a robust linear actuator designed for furniture and medical care application. Both of the gearbox and rear connector are made of aluminum alloy. It can be without inner / outer tubes, and use the bare screw nut as front connector, which allows bigger stroke in confined spaces.



Features

- Main applications: Medical care, furniture
- Input voltage: 24V DC
- Max. load: 6000N (push/pull)
- Typical speed at no load: 8.4 mm/sec
- Typical speed at full load: 4.9 mm/sec
- Stroke: 100 ~ 400 mm
- Aluminum alloy outer tube and gearbox
- Preset cam type limit switches
- Noise level: ≤ 52 dB
- Duty cycle: 10%, max. 2 min. continuous operation.
- Ambient operation temperature: $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- IP Protection level: IPX2
- Certified: CE Marking, EN 60601-1-2, IEC 60601-1-2

Options

- Standard / fast version
- Without extension tube and outer tube (Fig. 1)
- Rear connector turns 90° in pivot orientation
- Black color outer tube and gearbox (Fig. 2)



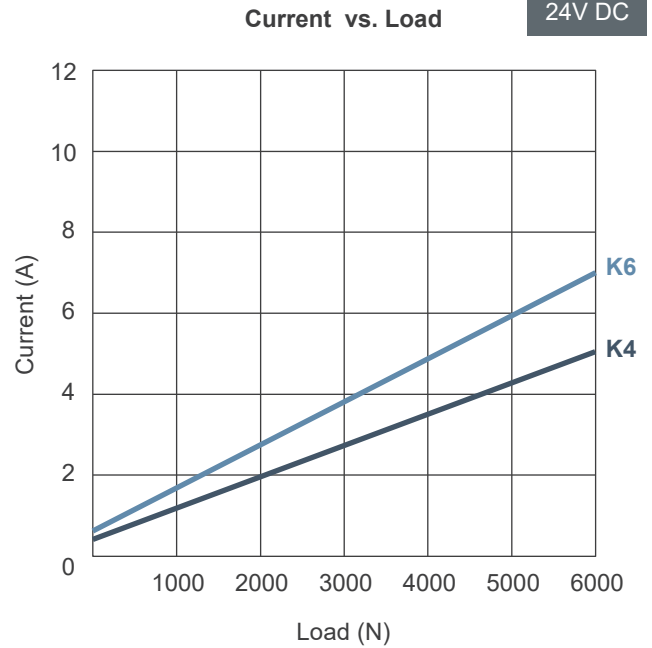
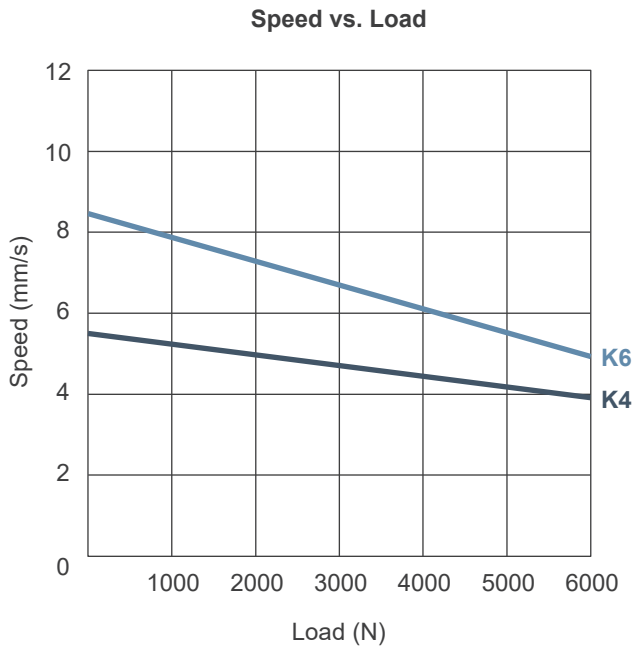
Fig. 1



Fig. 2

Performance Data

Model No.	Push Max. (N)	Pull Max. (N)	*Typical speed (mm/s)		*Typical current(A)	
			No load	Full load	No load	Full load
LD60-24 K4 -XXX.XXX-XX000X	6000	6000	5.5	3.9	0.4	5.1
LD60-24 K6 -XXX.XXX-XX000X	6000	6000	8.4	4.9	0.6	7.0

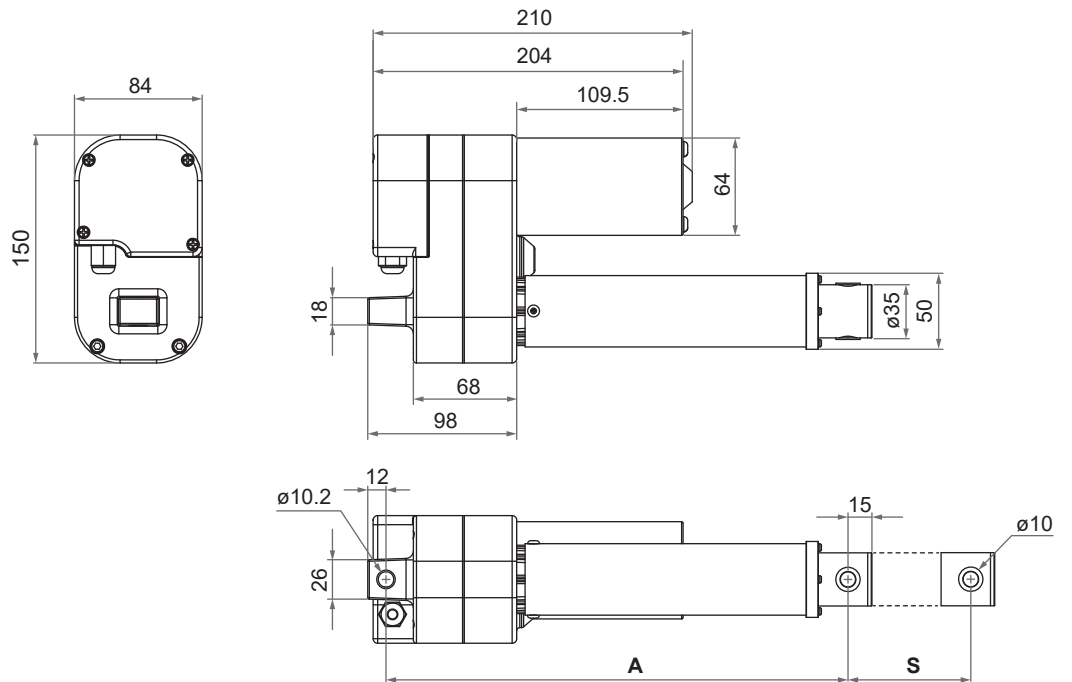


Remarks:

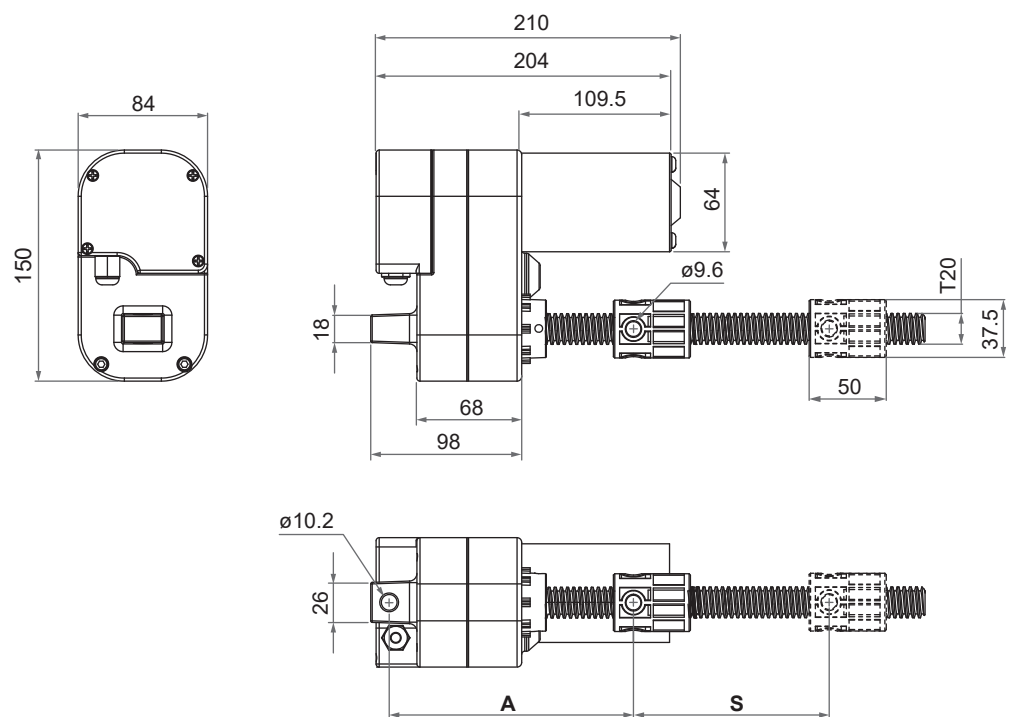
- * The typical speed or typical current means the average value neither upper limit nor lower limit. The performance curves are made with typical values.

Dimensions

- Available stroke (S) range=100 ~ 400 mm
 - Retracted length (A) \geq (S) + 190mm (± 3 mm)
 - Extended length = (S) + (A)
- Standard type

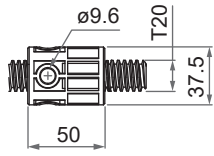


- Without extension tube and outer tube

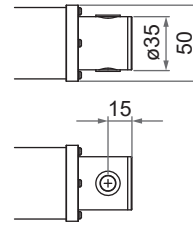


● **Front Connector**

0: Plastic nut, without extension tube and outer tube

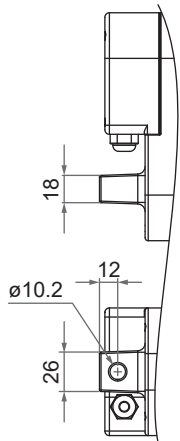


3: Drilled hole on inner tube with plastic bushing

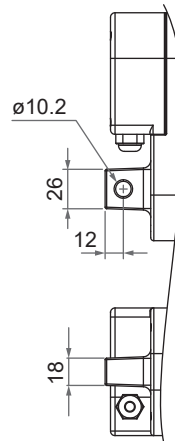


● **Rear connector**

0: Alluminum, 0°



9: Aluminum, turn 90° in pivot orientation

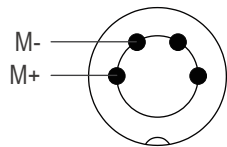


Compatibility

Product	Model	LD60 spec
Control box	MD6C	- Need to be chosen with K4 motor - 4-pin Moteck H-type or V-type DIN plug
	CM45	- Max current 5A - 4-pin Moteck H-type DIN plug
	CM41-M, CB5P-M	- Need to be chosen with K4 motor - 6-pin Moteck LR-type minifit plug

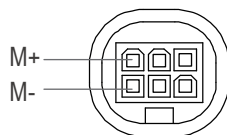
Cable Plug

- Moteck H-type or V-type plug



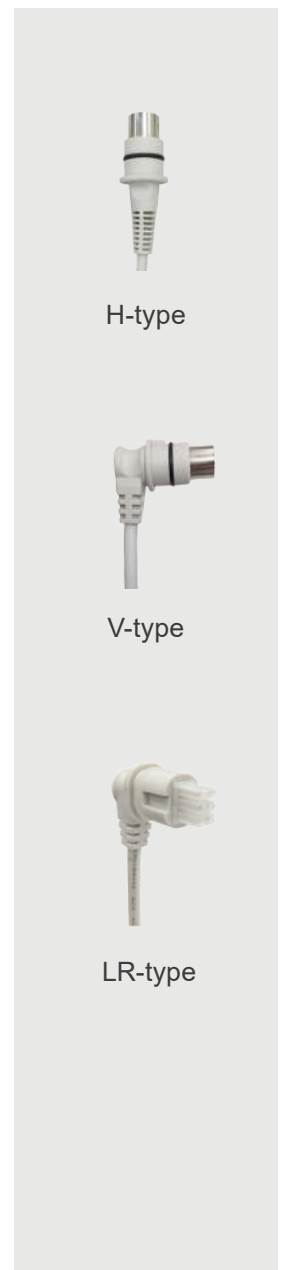
4-pin DIN plug

- Moteck LR-type plug



6-pin minifit plug

Note: Connect (M+) to '+' & (M-) to '-' of DC power, the actuator will extend.



H-type

V-type

LR-type

Ordering Key

LD60 - 24 K6 - 290 - 390 - 3 0 0 0 B 0

Input voltage	24: 24V DC
Motor and Spindle type	K4: Standard version K6: Fast version (Refer to Performance Data)
Retracted length	XXX (Refer to Dimensions)
Extended length	XXX (Refer to Dimensions)
Front connector	0: Plastic nut, without extension tube and outer tube 3: Drilled hole on inner tube with plastic bushing (aluminum alloy outer tube)
Rear connector	0: Alluminum, standard 9: Alluminum, turn 90° in pivot orientation
Reserved	0: No meaning
Reserved	0: No meaning
Color	0: Aluminum surface B: Black color
Cable length	0: 300 mm straight 1: 1000 mm straight A: 450 mm with 300 mm coiled

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