



LINEAR ACTUATOR

JC35L9

JC35L9 Linear Actuator

Application field - Medical Line

Preferably in medical bed, operating bed, nursing bed and other felds.

JC35L9 is a kind of actuator with low noise and short installation dimensions. It has following specifications: JC35L9-6000N (push); JC35L9-4000N (push); JC35L9 is characterized by low noise, fast speed and short installation dimensions



Stock Code: JC35L9-6-4-24-50-235-4S-H-G
JC35L9-6-4-24-100-275-4S-H-G
JC35L9-6-3-24-100-285-4S-H-G
JC35L9-6-4-24-150-335-4S-H-G
JC35L9-6-3-24-200-385-4s-H-G

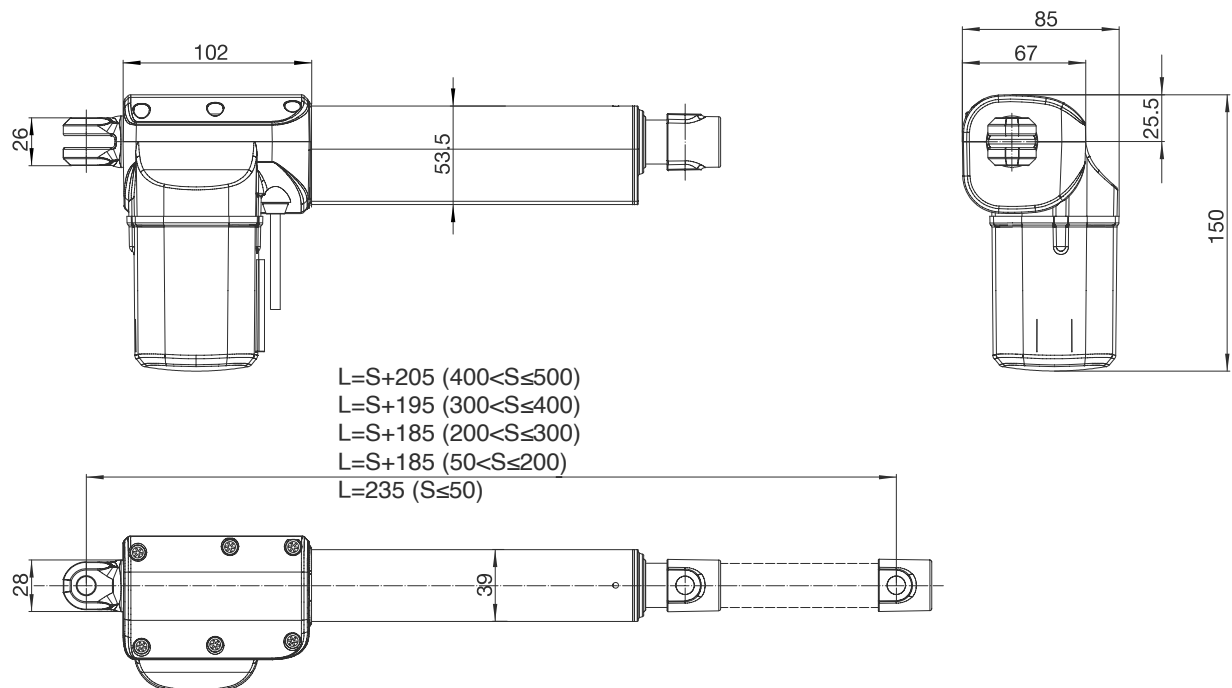
Features And Options

Dynamic load push(N):	6000 4000
Colour:	Gray / Black
IP Grade:	Max. IPX6
Stroke Length:	6000N: 50-25mm (in steps of 4mm) 4000N: 50-500mm (in steps of 4mm)
Installation Dimensions:	L=235 (S≤50) L=S+195 (300<S≤400) L=S+185 (50<S≤200) L=S+205 (400<S≤500) L=S+185 (200<S≤300)
Noise Level:	≤48dB (environmental noise≤40dB)
Optional:	Safe nut, Hall sensor, Only Push No Pull
Limit Switch:	Built-in (electrical)
Weight:	About 2kg (different stroke length and installation dimensions with different weight)
Static bending moment:	lateral load is not allowed
Approval:	IEC60601-1: 2012 EN 60601-1: 2006+A12:2014 ANSI/AAMI ES60601-1: 2005/(R)2012 and A1: 2012 C1:2009/(R)2012 and A2: 2010/(R)2012

Usage

Duty Cycle:	10%, max. 2min.continuous working and 18 min.off
Operating Temperature:	+5 °C to +40°C
Reserve Temperature:	-10°C to 50°C
Supporting Control Box:	it can be matched with Jiecang common controller
Relative Humidity:	20% to 90% at 30 °C, non-condensing
Atmospheric Pressure:	700 to1060hPa

Dimension Drawing

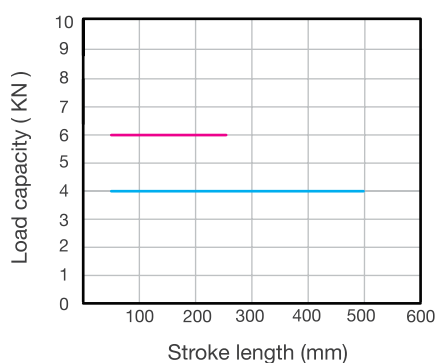


Technical Data-Standard Value

voltage (VDC)	Spindle pitch (mm)	Max. load in push (N)	Max. load in pull (N)	Mechanical self-lock (N)	Speed at no load/full load (mm/s)	Current at full load (A)
24	4	6000	4000	6000	6/3.6	≤6
	5	4000	/	4000	7.5/5.3	≤5.5
	5	6000	4000	6000	7.5/4.5	≤6.5
	4	6000	4000	6000	3.8/2.4	≤4.5
29	4	6000	4000	6000	7.3/4.3	≤6
	5	4000	/	4000	9/6.4	≤5.5
	5	6000	4000	6000	9/5.4	≤6.5
	4	6000	4000	6000	4.6/2.9	≤4.5

Remarks: It can achieve better self-locking ability with Jiecang control box;
The above data is the standard value of the test data (inspection specification) at room temperature of 25°C.

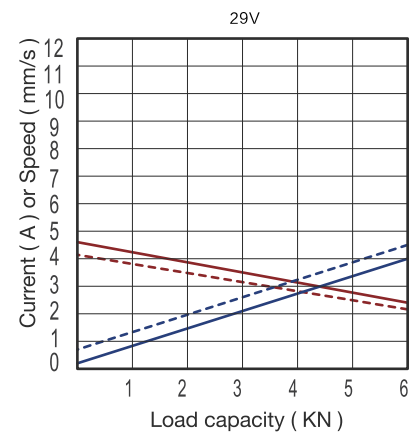
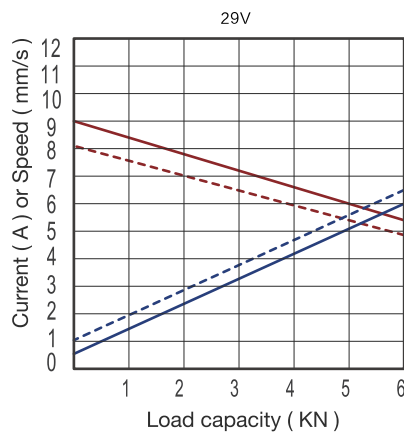
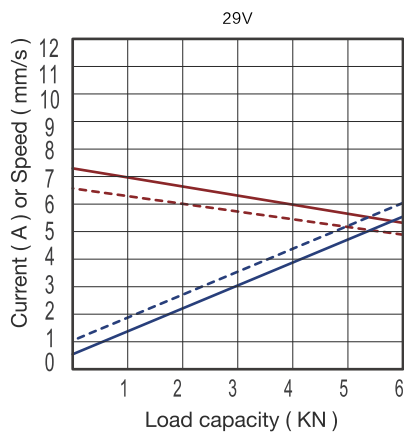
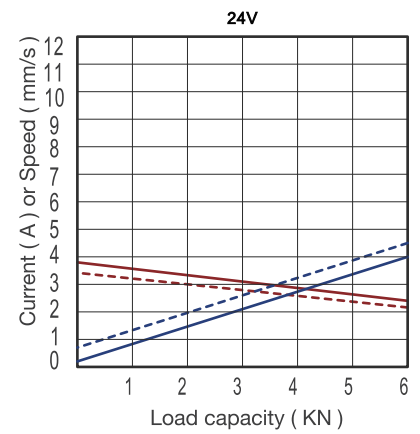
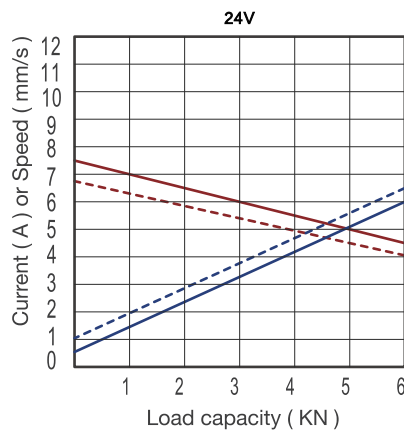
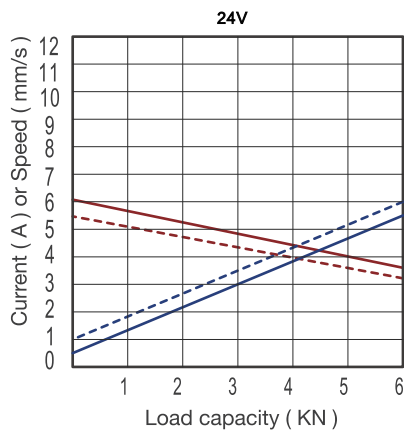
Diagram of relationship between stroke length and load



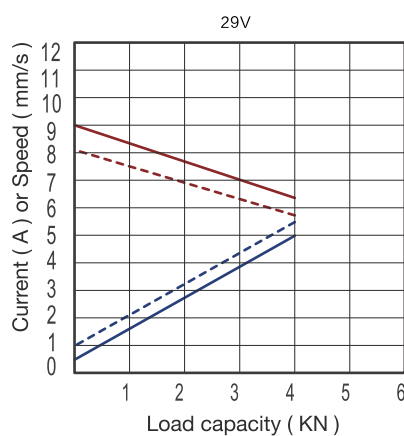
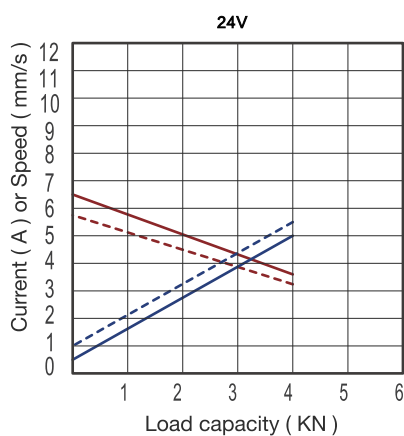
Characteristic Curve

Typical speed ———
Min. speed - - - - -
Typical current ———
Max. current - - - - -

6000N



4000N



Ordering Example

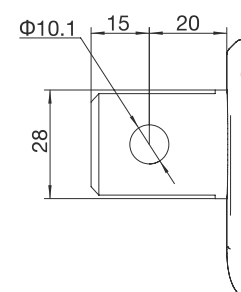
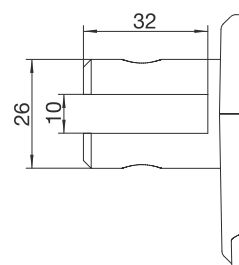
Take **JC35L906424100/285HG02G022021D5** for example

Model	JC35L9	
Optional features	X	0 = Standard / P = Only push / S = Safety nut / Y = Hall sensor R = Reed switch / PY = Only push + Hall sensor
Load in push	X	6 = 6000N / 4 = 4000N
Speed at full load	X	3D6=3.6mm/s 4D5=4.5mm/s 2D4=2.4mm/s
Input voltage	XX	24 = 24VDC
Stroke length/ Installation dimension	XXX/XXX	Stroke length = XXX Retracted length = XXX
Clevis directions	X	H = H direction / V = V direction
Color	X	G = Grey / B = Black
End clevis specification	XX	02 = B02; slot 10, slot depth 32, and the hole diameter isΦ10.1 07 = B07; slot 6.5, slot depth 28, and the hole diameter isΦ10.1
End clevis material	X	L = Aluminium alloy / G = Cast steel alloy
Top clevis specification	XX	02 = F02: slot width 6.5, slot depth 26, hole diameter isΦ12.5 withΦ24 stainless steel or aluminum tube 09 = F09: Without slot, plastic bushings in 10.1 (white)
Brake specification	2	2 = Brake in push
Type of plug and cable	02	02=4-pin DIN plug 10=5 pin DIN plug
Cable length	1D5	2D0 = 2m / 1D5 = 1.5m

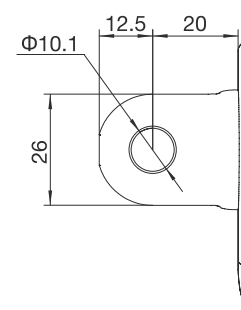
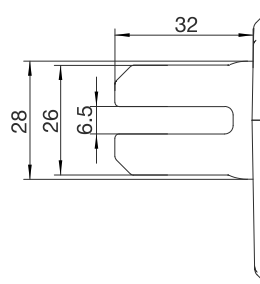
Ordering Details

Dimension drawing of clevis

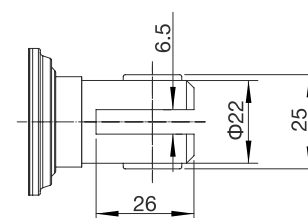
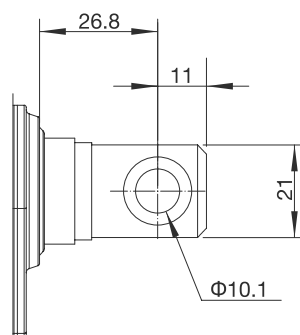
End clevis: B02



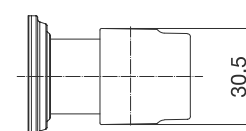
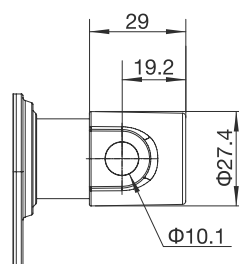
End clevis: B06



Top clevis: F05

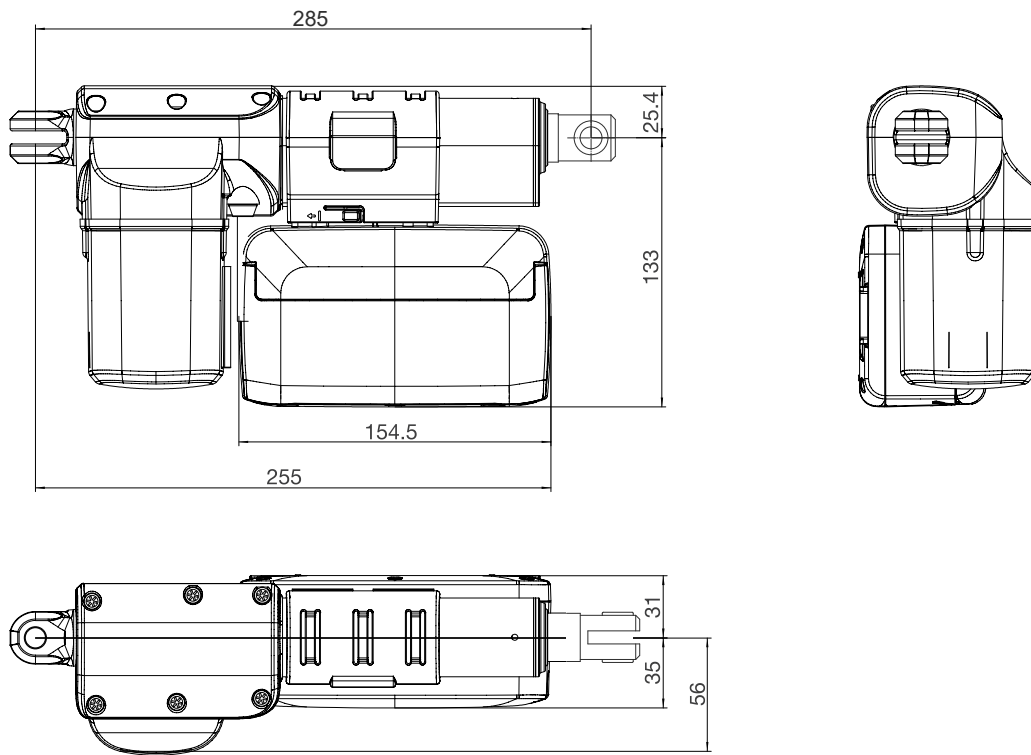


Top clevis: F09



Dimensions JC35L9 with control box

JCB35Q install on JC35L9

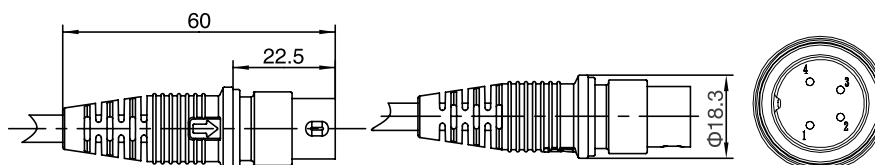


Motor wire

4-pin straight plug (standard)

Supporting control box:
JCB35Q / JCB35T / JCB35R /
JCB35R1 / JCB35S / JCB35K2

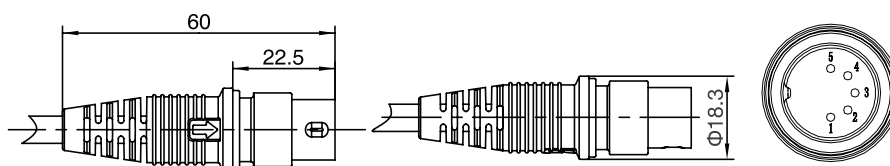
Pin	Color	Function
1	NC	Not connected
2	Brown	power with positive voltage, actuator going down
3	Blue	power with positive voltage, actuator going up
4	NC	Not connected
Outer Circle	NC	Not connected



5 pin DIN plug (with Hall sensor)

Supporting control box:
JCB35Q / JCB35T / JCB35R /
JCB35R1 / JCB35S / JCB35K2

Pin	Color	Function
1	Red	5V
2	Brown	power with positive voltage, actuator going down
3	Black	GND
4	Blue	power with positive voltage, actuator going up
5	Yellow	Hall sensor signal 1
Outer Circle	Orange	Hall sensor signal 2





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