JIECANG

JC35L16 Linear Actuator

JC35L16 is a low-noise, high-thrust actuator, mainly used in smart homes,such as adjustable bases,multifunctional sofas, etc.



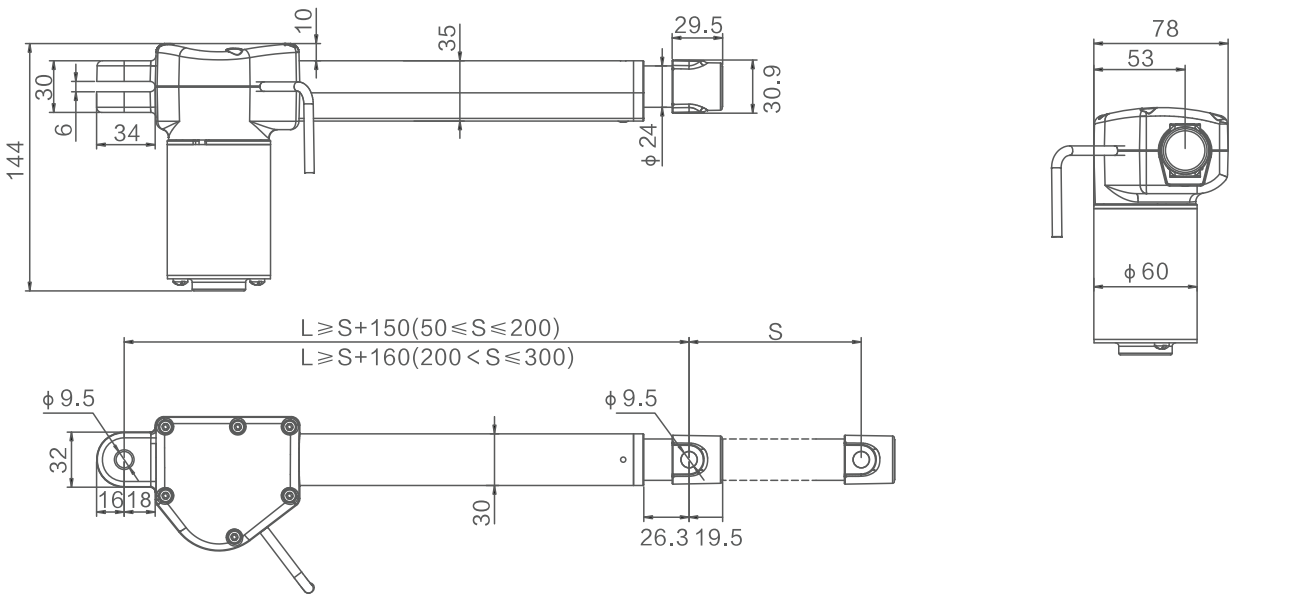
Features And Options

Dynamic load push(N):	6000
Dynamic load pull (N):	4000
Colour:	Black
IP Grade:	IP20
Stroke Length:	6000N: 50-300mm
Installation Dimensions:	L≥S+150(50<S≤200) L≥S+160(200<S≤300)
Noise Level:	≤46dB, (environmental noise≤38dB)
Options:	Hall sensor
Only push on pull:	Standard
Limit Switch:	Built-in (electrical)
Weight:	About 1.5kg(Standard stroke: regular 150mm, patient lift: 350mm)
Static bending moment:	lateral load is not allowed
Approval:	IEC60335-1: 2012 EN60335-1: 2012+A11:2014+A13: 2017+A1: 2019+A14: 2019+A2: 2019 UL962

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:	match with JIECANG control box
Relative Humidity:	20% to 90%, non-condensing
Atmospheric Pressure:	700 to1060hPa

Dimension Drawing

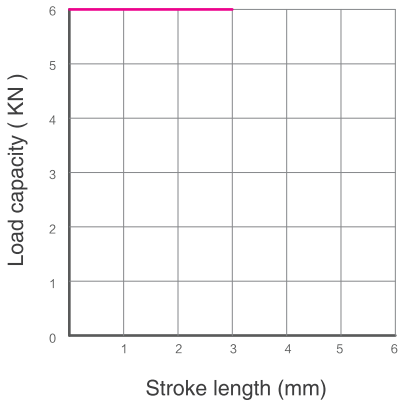


Technical Data-Standard Value

Input 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	3	6000	4000	6000	3.7/2.7	≤3.5
29	3	6000	4000	6000	4.5/3.3	≤3.5

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.

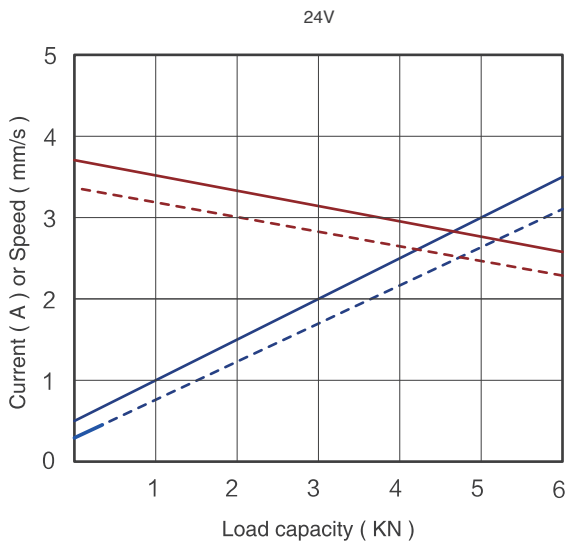
Diagram of relationship between stoke length and load

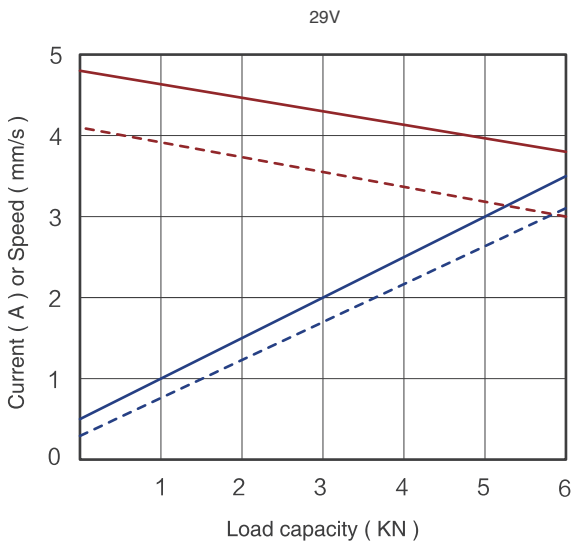


Characteristic Curve

Typical speed
Min. speed
Typical current
Max. current

6000N





Ordering Example

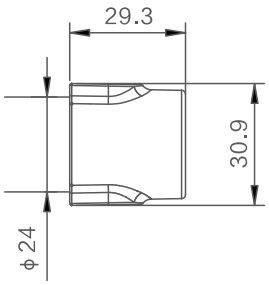
Take **JC35L16063D329100/250HB110170211D0** for example

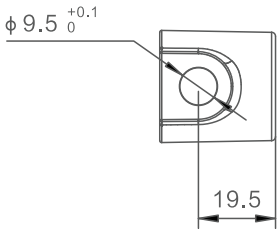
Model	**JC35L16**	
Optional features	**X**	0 = Standard / P = Only push / Y = Hall sensor YP = Hall sensor+Only push
Load in push	**X**	6 = 6000N
Speed at full load	**XXX**	3.3mm/s
Input voltage	**XX**	24=2VDC / 29=29VDC
Stroke length/ Installation dimension	**XXX/XXX**	Stroke length = XXX Retracted length = XXX
Clevis directions	**X**	H = H direction
Color	**X**	B = Black
End clevis specification	**XX**	B11:Slot width 6.5, Slot depth 34, Aperture 9.5,JC35L16 end clevis (Integrated with gearbox)
End clevis material	**X**	0=See end clevis specification description
Top clevis specification	**XX**	F17: holes in the inner tube 14.2, Distance between hole and end face 17; add L22 metal gasket cover and L16 plastic bushing, aperture 9.5; add D inner tube front pull sleeve (black)
Brake specification	**X**	0 = Standard
Type of plug and cable	**XX**	21 = 6pin ET plug 6pin actuator cable 72 = Double channel 5 pin female insert with wire buckle01 male connector 2 pin straight cable
Cable length	**XXX**	1D0=1m / 1D5 = 1.5m

Ordering Details

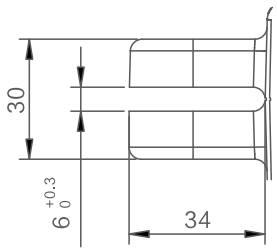
Dimension drawing of clevis

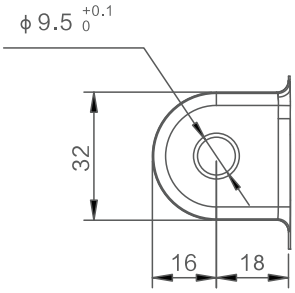
Top clevis specifications:
1000-6000N(Universal)





End clevis specifications:
1000-6000N(Universal)





Strictly abiding by medical safety certifications

Passed EMC tests. To ensure our products pass all kinds of tests domestic or abroad.

Communication protocol development

Aiming at different applications, develop more extensive functions for control system.

Professional customization

Powerful R&D strength, fully satisfy customers' needs. Development cycle is about 10 days, seizing more market opportunities

Intelligent Control of Bluetooth

Mobile phone as the remote, applying in home care. Market pioneer, Jiecang provides better choices

Wireless Communication

Controllers adopt high-frequency wireless system. It can avoid interference mixing with signal receivers, assisting in remote control over medical equipment.

Latest Weighing System

Designed for physiotherapy beds and medical care beds. Cantilever carrying weighing sensor, it is applicable to different bedsteads dispensing with any adjustment

Disclaimer and Exclusion of Liability

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Notes for mounting and usage can be found in the corresponding mounting manual

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