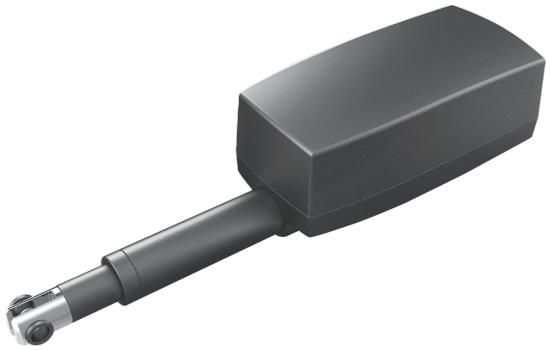
JC35A Linear Actuator

JC35A is an inline actuator with compact design which can be widely applied to a variety of healthcare applications.
JC35A has the following configurations: JC35A-1500N; JC35A-3000N. Without the built-in limit switches, a special protecting current should be set when matched with customer's control box.



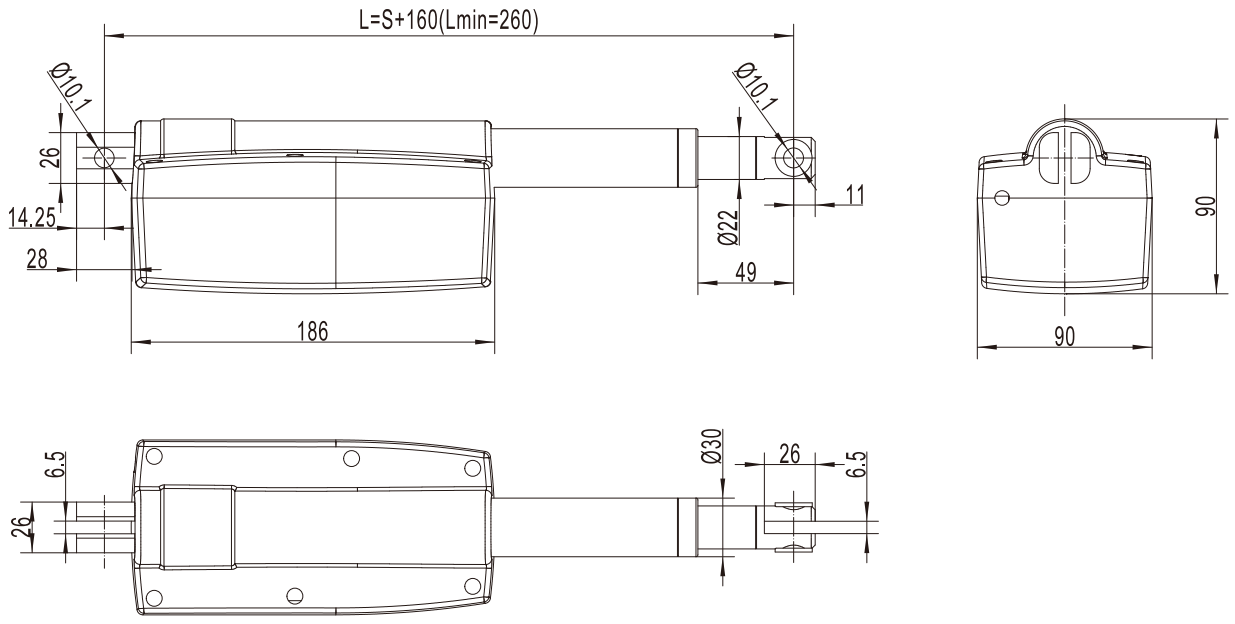
Features And Options

Dynamic Load Push(N):	1500 | 3000
Dynamic Load Pull (N):	1500
Colour:	Black
Protection Class:	IP54
Stroke Length:	1500N: 100-450mm 3000N: 100-450mm
Installation Dimension:	L = S+160 (Lmin=260)
Noise Level:	≤55dB (environmental noise≤40dB)
Weight:	About 2.2kg (different stroke length and installation dimension with different weight)
Static Bending Moment:	Lateral load is not allowed
Approval:	EN 55014-1:2006+A1:2009 EN 61000-3-2:2006+A2:2009,EN 61000-3-3:2008 EN 55014-2:1997+A1:2001+A2:2008

Usage

Duty Cycle:	10%, max. continuous work for 2min. and 18 min. off
Operating Temperature:	+5°C to +40°C
Reserve Temperature:	-10°C to +50°C
Supporting Control Box:	Matching with JIECANG control boxes(please kindly inquire JIECANG sales before ordering)
Relative Humidity:	20% to 90% at 30 °C, non-condensing
Atmospheric Pressure:	700 to1060hPa

Dimensions

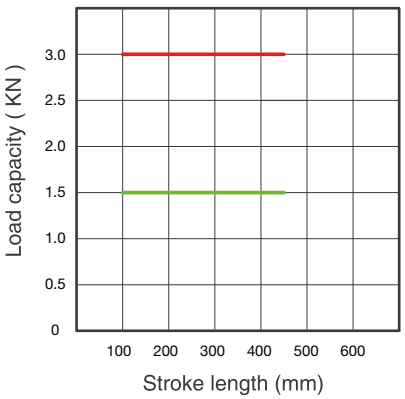


Technical Specifications (Standard Value)

Input voltage (VDC)	Spindle pitch (mm)	Max. load in push (N)	Max. load in pull (N)	Mechanical self-locking (N)	Speed at no load/full load (mm/s)	Current at full load (A)
24	5	1500	/	1500	15/9	≤4.5
24	2.5	3000	1500	3000	8/5	≤4.5
12	2.5	3000	1500	3000	8.5/5.5	≤9

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.

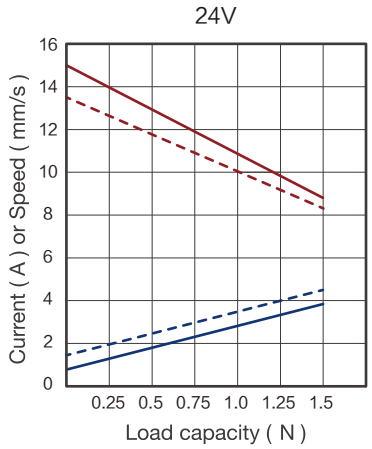
Diagram of relationship between stroke length and load



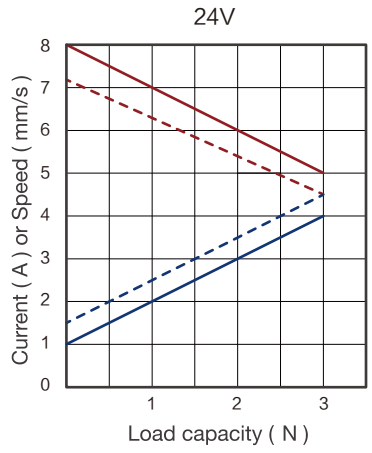
Characteristic Curve

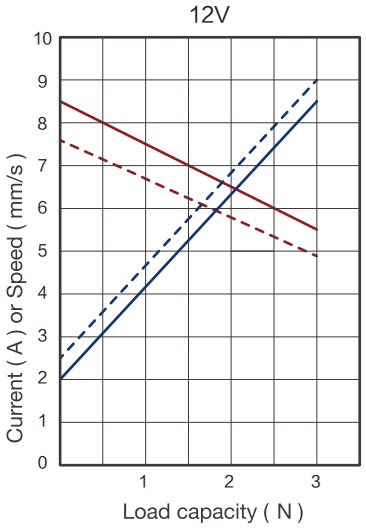
Typical speed
Min. speed
Typical current
Max. current

1500N



3000N





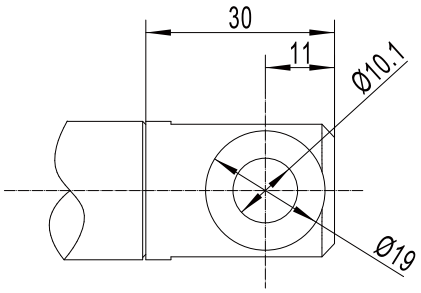
Ordering Key

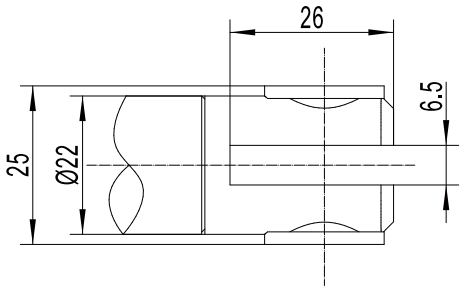
Take **JC35A03524200/360VBDSD0002D0** as an example

Model	**JC35A**	
Optional features	**X**	0 = Standard
Load in push	**X**	1D5 = 1500N / 3 = 3000N
Speed at full load	**X**	5 = 5mm/s 5D5 = 5.5mm/s 9 = 9mm/s
Input voltage	**XX**	12 = 12VDC 24 = 24VDC
Stroke length/ Installation dimension	**XXX/XXX**	Stroke length = XXX Installation dimensions = XXX
Clevis directions	**X**	V=vertical (to motor direction)
Colour	**X**	B = Black
End clevis specification	**X**	D = Slot 6.5, Φ10.1
End clevis material	**X**	S = Plastic
Front clevis specification	**XX**	D = Slot 6.5, Φ10.1
Brake specification	**X**	0 = standard, without brake
Type of connector and cable	**XX**	00 = Phone connector 02 = 4 Pin Din Connector 14 = cable without connector
Cable length	**XXX**	1D5 = 1.5m 2D0 = 2.0m 2D5 = 2.5m

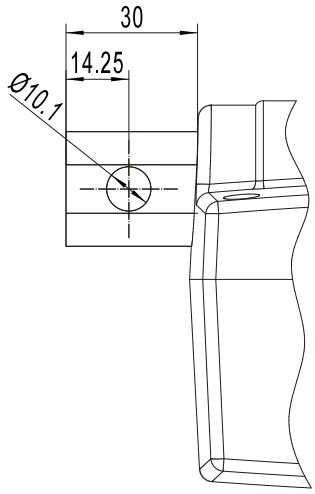
Ordering Details

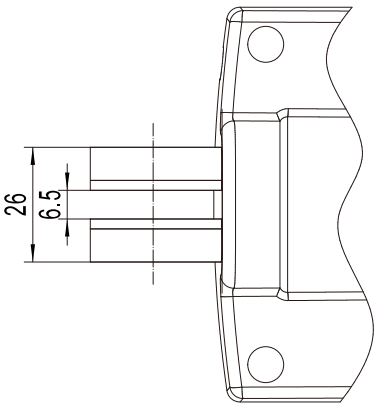
Front clevis





End clevis





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

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