

JC35L11 Linear Actuator

1. JC35L11 is characterized by high load capacity up to 12,000N, which provides a good solution for various of large-load fields.

In addition to high load capacity, high IP grade, and low noise, JC35L11 also shows excellent safety performance:

When the nut fails to work, the safety nut can make the actuator going down safely.

Double protection of electronic limit switch and mechanical limit switch; In a power failure or other emergency situations, the actuator can be manual operated.

2. These properties make JC35L11 an excellent choice when used in medical equipment such as patient lift system.



Features And Options

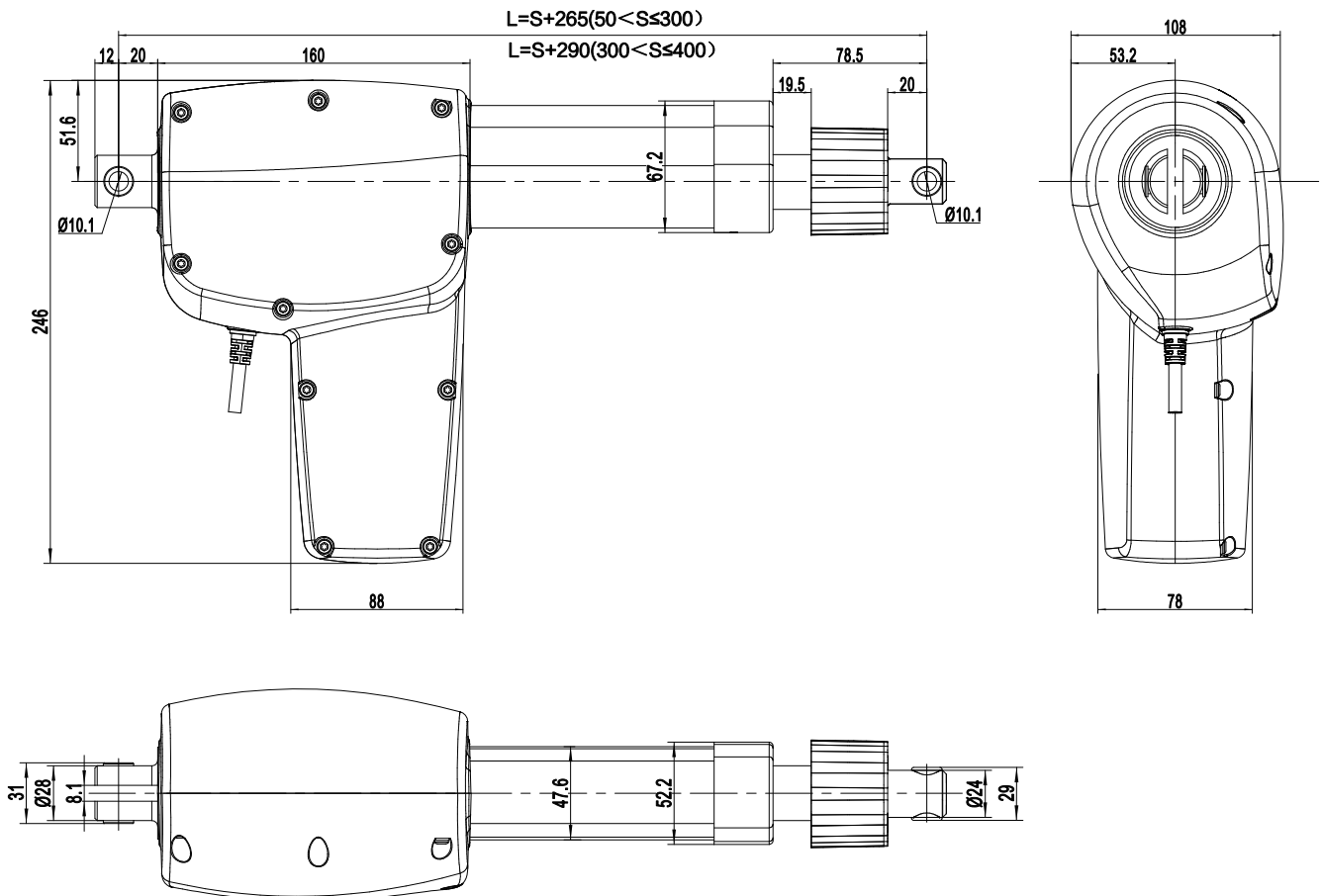
Dynamic load push(N):	12000
Dynamic load pull (N):	/
Colour:	Gray
IP Grade:	Max. IPX6
Stroke Length:	50-400mm(in steps of 4mm)
Installation Dimensions:	L=S+265 (50 < S ≤ 300) L=S+290 (300 < S ≤ 400)
Noise Level:	≤50dB(environmental noise ≤40dB)
Standard:	Safety nut, Only push no pull, Manual operation
Limit Switch:	Built-in (electrical)
Weight:	About 6kg (different stroke length and installation dimensions with different weight)
Static bending moment:	Lateral load are not allowed
Approval:	1. IEC60601-1: 2012 2. EN 60601-1:2006+A12:2014 3. 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:	match with JCB35K3 control box
Relative Humidity:	20% to 90% at 30 °C, non-condensing
Atmospheric Pressure:	700 to 1060hPa

Dimension Drawing

Top clevis F92; end clevis: B09

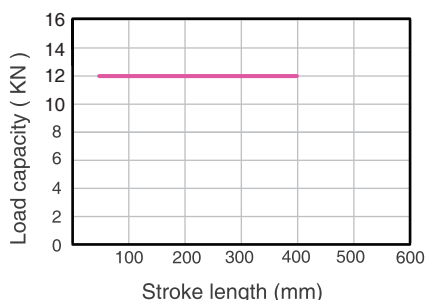


Technical Data-Standard value

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)
With JCB35K3	8	12000	/	12000	8/5	≤9.0

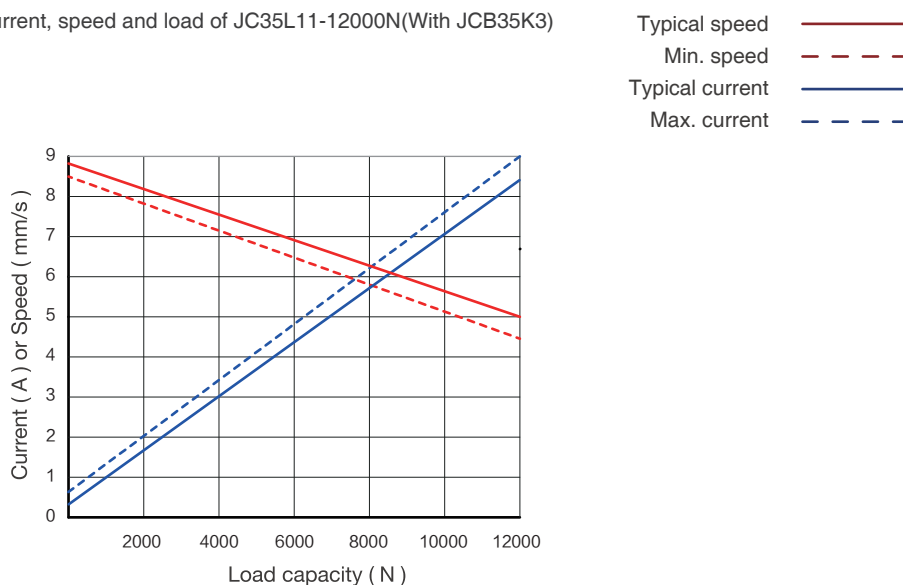
Remarks: It can achieve better self-locking ability with Jiecang control box;
 The above data is the standard value of the test data (inspection specification) at room temperature of 25°C.

Diagram of relationship between stroke length and load



Characteristic Curve

The diagram of relationship between current, speed and load of JC35L11-12000N(With JCB35K3)



Ordering Example

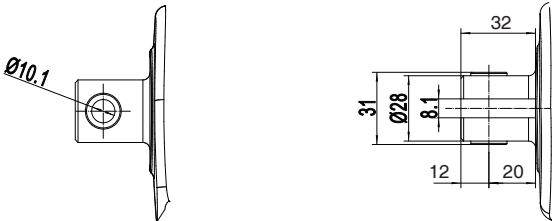
Take **JC35L11X12524400/690HGB09GF922891D5** for example

Model	JC35L11	
Optional features	X	X= Manual operation+Only push no pull +Safety nut
Load in push	X	12=12000N
Speed at full load	X	5=5mm/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=Gray
End clevis specification	XX	B09: Slot width 8.1, slot depth 32, hole diameter 12.5, and the rear aperture of the slider cover is 10.1
End clevis material	X	G=Cast steel integrated
Top clevis specification	XX	F92: aperture 14.2, with cushion sleeve 10.1
Brake specification	X	2= brake in push
Type of plug and cable	XX	89= 6 pin Molex elbow plug 6 pin spring cord
Cable length	XXX	1D5=1.5m

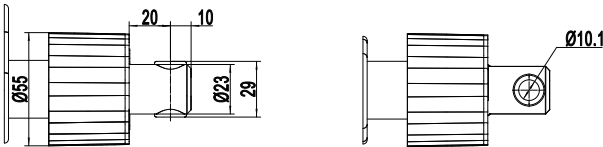
Ordering Details

Dimension drawing of clevis

End clevis: B09



Top clevis: F86





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