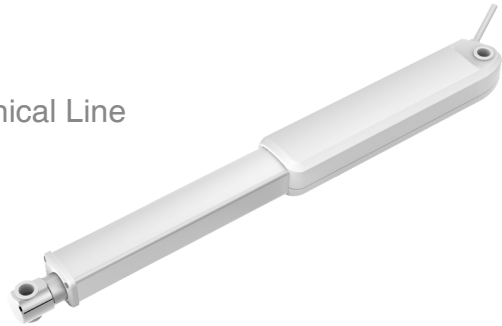


JC35N8 Linear Actuator

Application field - Medical Line & Reha Line & Technical Line
Preferably in hospital beds, nursing beds, patient lift and etc.

JC35N8 is an inline actuator designed to cover a wide range of applications, where size and power are crucial. With high load capacity of 2500N and high protection class of max.IPX6, JC35N8 is regarded as the ideal solution for many demanding applications.



Features And Options

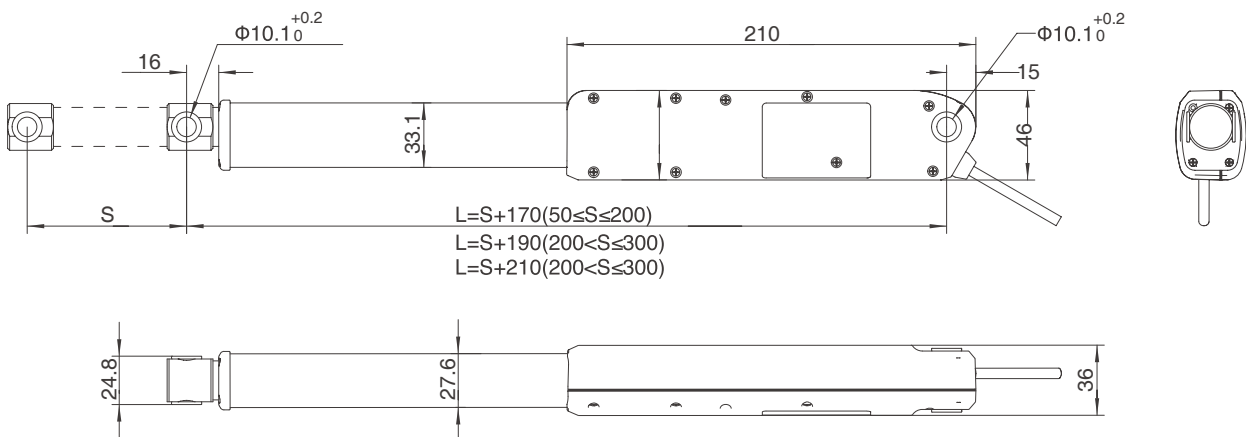
Dynamic Load In Push (N):	2500 2000 1500 800 500
Dynamic Load In Pull (N):	900
Installation Dimension:	L=S+170 (50≤S≤200, standard) L=S+190 (200<S≤300, standard; 50≤S≤200, only push) L=S+210 (200<S≤300, only push)
Stroke Length (mm):	2500N: 50-300mm (in steps of 4mm) / 2000N: 50-300mm (in steps of 4mm) 1500N: 50-300mm (in steps of 4mm) / 800N: 50-300mm (in steps of 4mm) 500N: 50-300mm (in steps of 4mm) Stroke length can be further extended - please contact your sales for inquiry
Options:	Safety nut, Hall sensor, Only push
Colour:	Gray
Limit Switch:	Built-in (electronic)
Weight:	About 0.8kg (different stroke length and installation dimensions with different weight)
Duty Cycle:	10%, max. continuous work for 2min. and 18 min. off
Protection Class:	Max. IPX6
Noise Level:	≤58dB (environmental noise≤40dB)
Static Bending Moment:	Lateral load is not allowed
Fatigue Test:	JC35N8 passes the 10000 times of service life under full load and stroke of 120mm (10% duty cycle at ambient temperature)
Approval:	CE

Usage

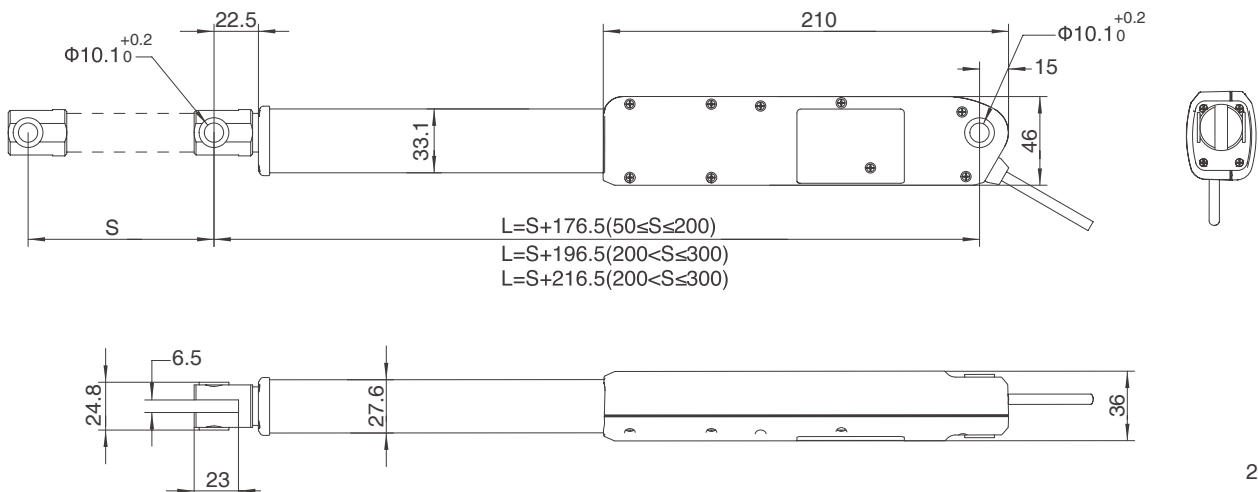
Duty Cycle:	10%, max. continuous work for 2min. and 18 min. off
Operating Temperature:	+5°C to +40°C
Reserve Temperature:	-10°C to +50°C
Supporting Control Box:	Matching with JIECANG control box
Relative Humidity:	Under 30°C, 20% to 90%, non-condensing
Atmospheric Pressure:	700 to 1060hPa

Dimensions

Front clevis F39, end clevis B25



Front clevis F40, end clevis B25



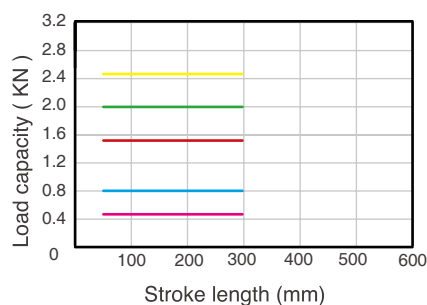
Technical Specifications (Standard Value)

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	2.5	2500	900	1500	3.8/2.8	≤1.8
24	3.0	2000	900	1500	4.6/3.4	≤1.8
24	3.0	1500	900	1500	4.6/3.6	≤1.8
24	5	800	800	800	7.3/6.0	≤1.8
24	6	500	500	500	8.8/7.5	≤1.8
29	2.5	2500	900	1500	4.6/3.4	≤1.8
29	3.0	2000	900	1500	5.5/4.2	≤1.8
29	3.0	1500	900	1500	5.5/4.5	≤1.8
29	5	800	800	800	8.8/7.5	≤1.8
29	6	500	500	500	10.5/9.5	≤1.8

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 .

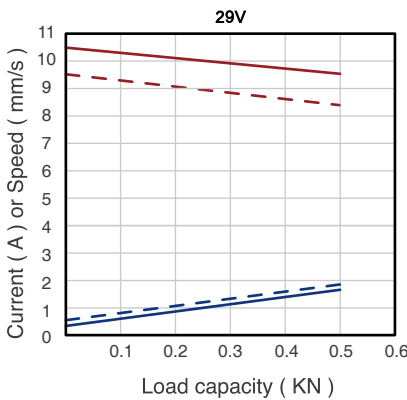
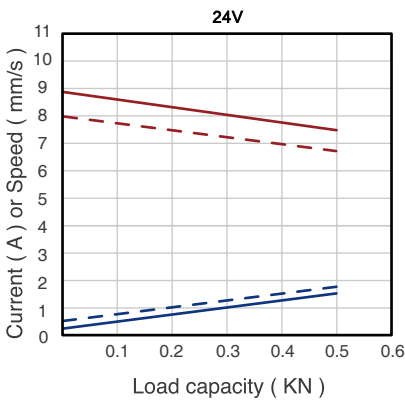
Diagram of relationship between stroke length and load



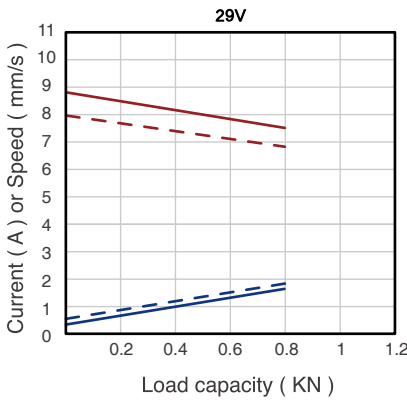
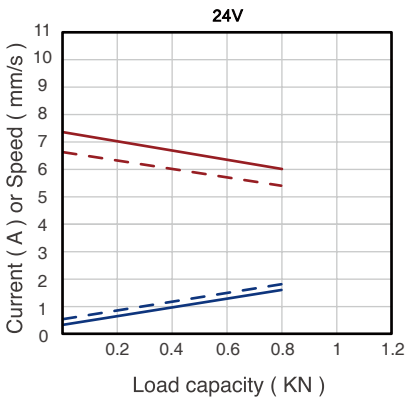
Characteristic Curve

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

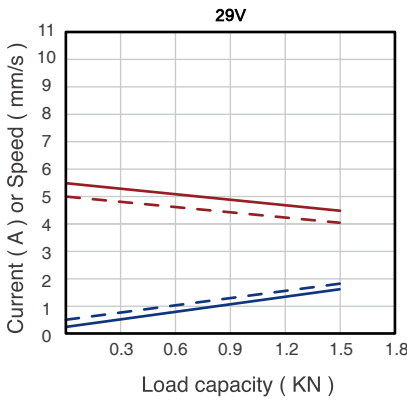
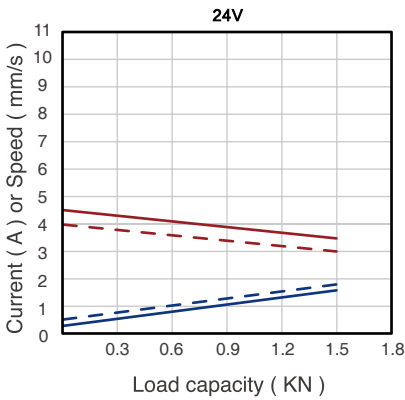
500N



800N

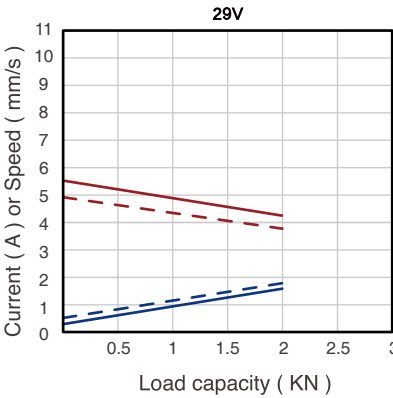
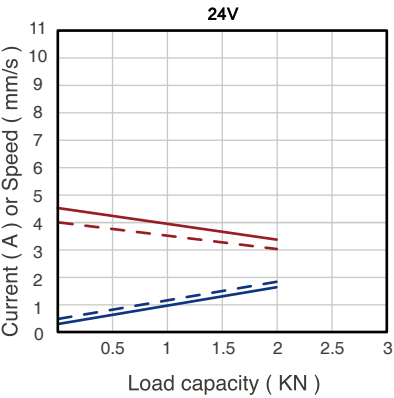


1500N

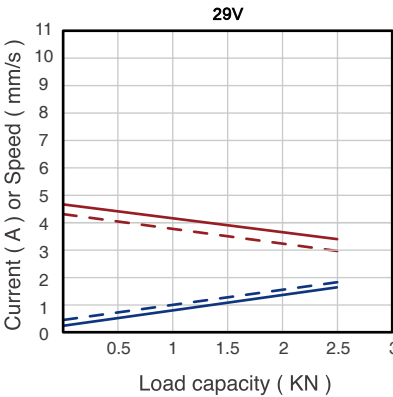
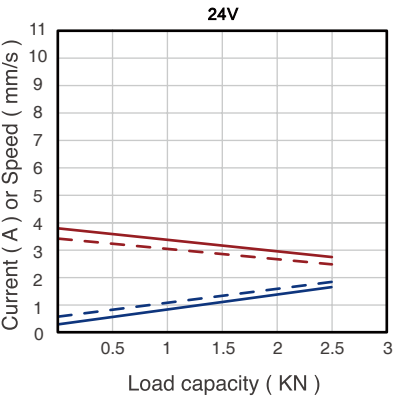


Typical speed ———
Min. speed - - - - -
Typical current ———
Max. current - - - - -

2000N



2500N



Ordering Key

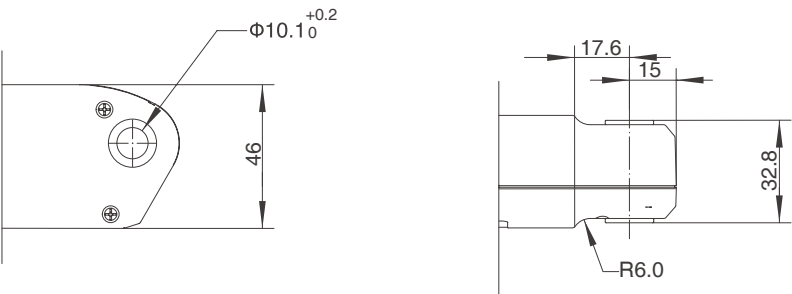
Take **JC35N802D52D824100/2700G25S390020D5** as an example

Model	JC35N8	
Optional features	X	0 = Standard / P = Only push / S = With safety nut Y = With hall sensor / J = Only push+safety nut N = Only push + safety nut + hall sensor
Load in push	XXX	2D5=2500N / 2=2000N / 1D5=1500N 0D8=800N / 0D5=500N
Speed at full load	XXX	2D8=2.8mm/s
Input voltage	XX	24 = 24 VDC / 29 = 29VDC
Stroke length/ Installation dimension	XXX/XXX	Stroke length = XXX Installation dimension = XXX
Clevis directions	X	0 = Standard
Colour	X	G = Gray
End clevis specification	XX	B25= without slot, hole 10.1 with bushing
End clevis material	X	S = Plastic
Front clevis specification	XX	F39= steel, without slot, hole 10.1 with bushing, F40= steel, slot 6.5, depth 23, hole 10.1 with bushing
Brake specification	X	0 = No brake
Type of connector and cable	XX	02 = 4 Pin Din connector 21 = 6 Pin Mini-Fit connector
Cable length	XXX	0D5 = 0.5m / 1D5=1.5m

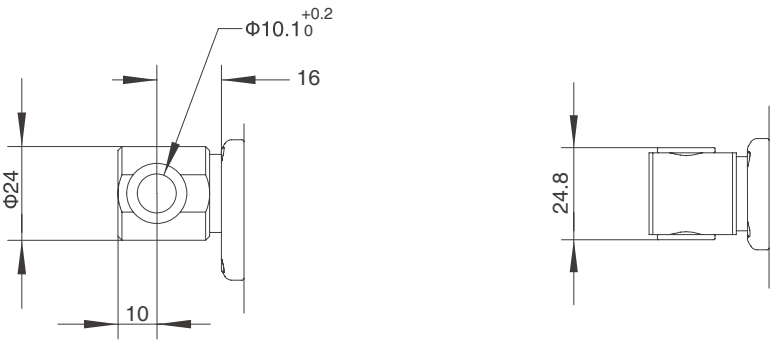
Ordering Details

Dimensions of clevis

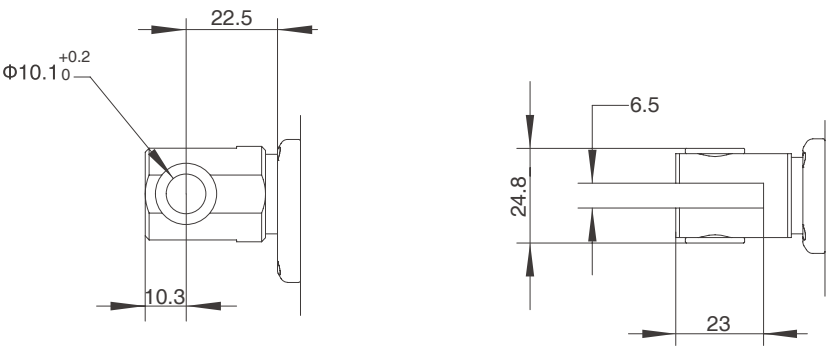
End clevis: B25



Front clevis: F39



Front clevis: F40



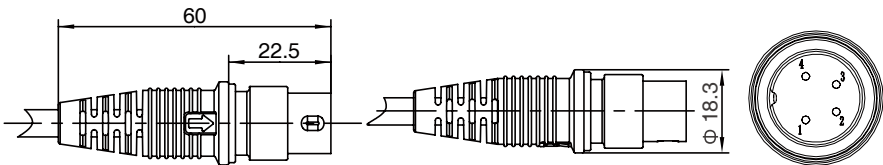
Motor cable

**4 Pin Din connector
(standard)**

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

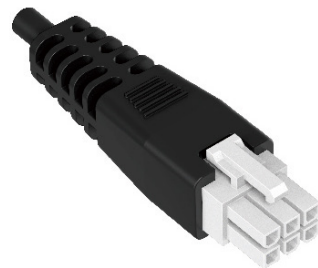


Pin	Colour	Function
1	NC	Not connected
2	Brown	When positive voltage power on, actuator will go down
3	Blue	When positive voltage power on, actuator will go up
4	NC	Not connected
Outer ring	NC	Not connected

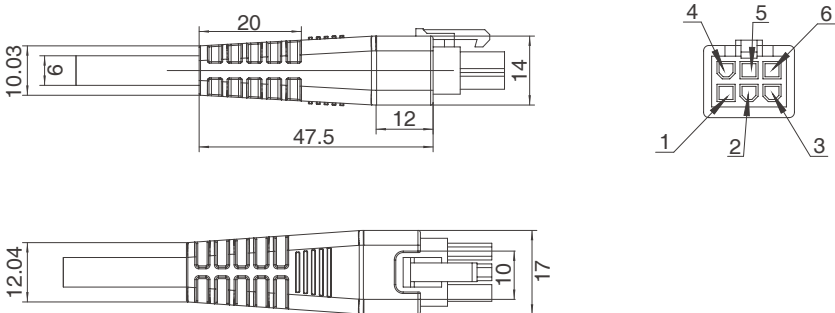


**6 Pin Mini-Fit
connector**

Supporting control box:
JCB35N / JCB35H



Pin	Colour	Function
1	Orange	Hall sensor 2
2	Black	GND
3	Red	5V
4	Brown	When positive voltage powered on, actuator goes down
5	Blue	When positive voltage powered on, actuator goes up
6	Yellow	Hall sensor 1





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