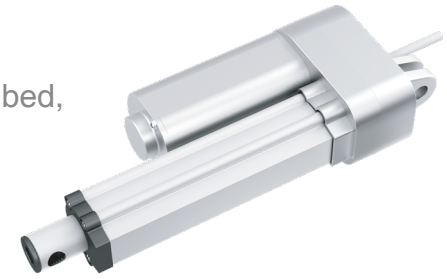
JIECANG

JC35W2-2 Linear Actuator

Application field - Medical Line & Technical Line
Preferably in hospital bed, nursing bed, patient lift, comfort bed, TV lift, engineering machinery and other applications.



JC35W2-2 is an improved actuator from JC35W2. Remaining its robust and compact structure,
JC35W2-2 is rated up to Max.IPX6.
With variety of front and back fixture, it offers more flexibility for installations.
Signal feedback of hall sensors is available.

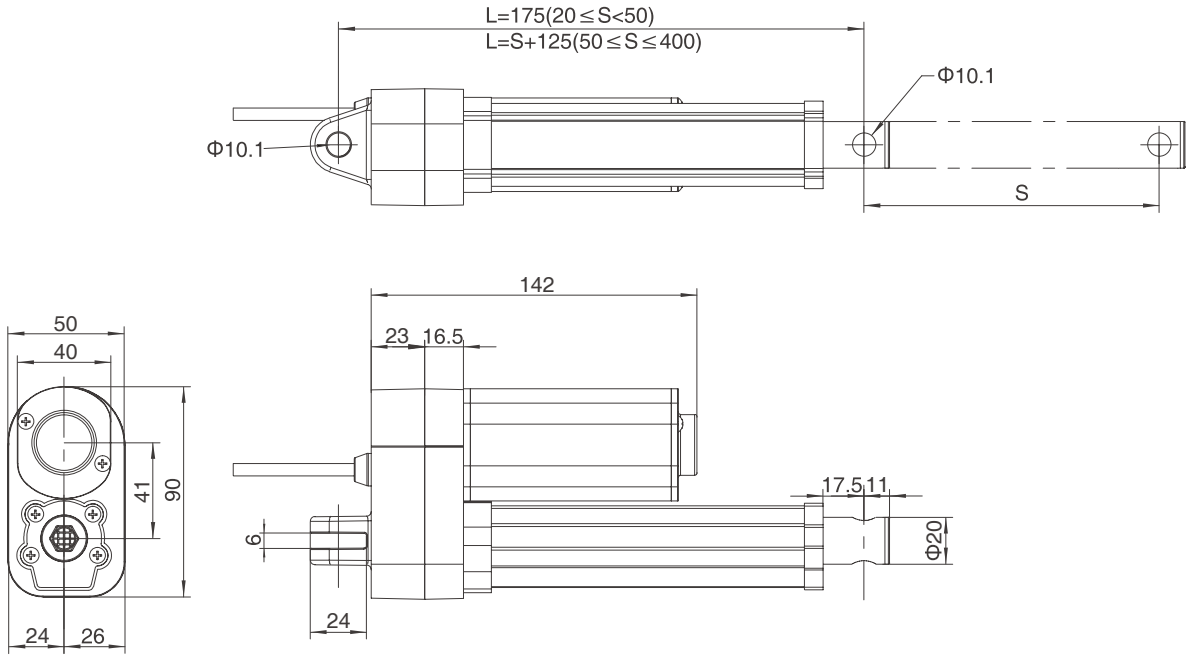
Features and Options

Dynamic Load Push (N):	3000 | 2000 | 1000
Dynamic Load Pull (N):	2000 | 1000
Colour:	Silver gray
Protection Class:	Max. IPX6
Stroke Length:	3000N: 50 ~ 250mm | 2000N: 50 ~ 400mm | 1000N: 50 ~ 400mm
Installation Dimension (mm):	L=175 (20≤S<50) L=S+125 (50≤S≤400)
Noise Level:	≤50dB (environmental noise≤40dB)
Options:	Hall sensor
Limit Switch:	Built-in (electronic)
Weight:	About 1.7kg (different stroke length and installation dimensions with different weight)
Static Bending Moment:	Lateral load is not allowed
Standards:	IEC60601-1:2012 EN60601-1:2006+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. 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:	20% to 90% at 30°C, non-condensing
Atmospheric Pressure:	700 to1060hPa

Dimensions

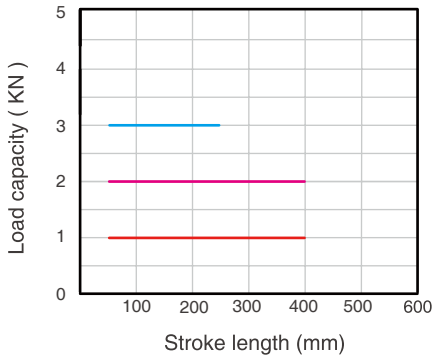


Technical Specifications (Standard Value)

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	10	1000	1000	600	18.2/13.5	≤5
24	7.5	2000	2000	1500	14.1/9	≤5
24	4	3000	2000	3000	7.4/5	≤5
29	10	1000	1000	600	22/16.3	≤5
29	7.5	2000	2000	1500	17/10.9	≤5
29	4	3000	2000	3000	9/6	≤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;

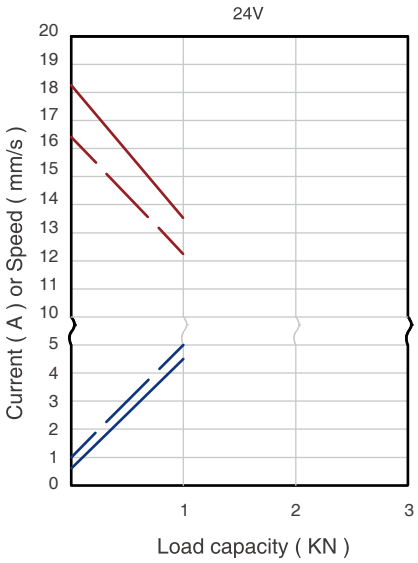
Diagram of relationship between stroke length and load

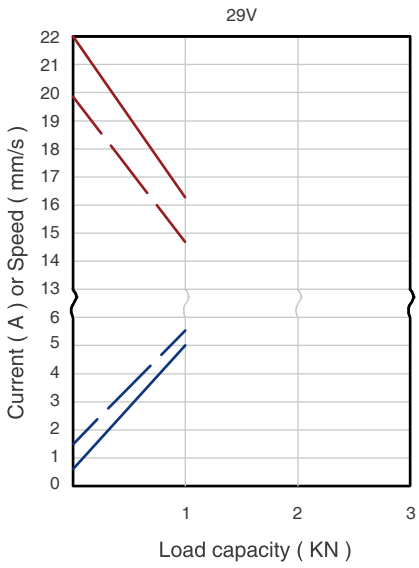


Characteristic Curve

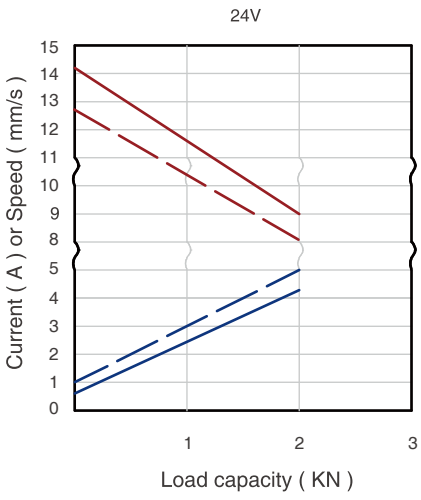
Typical speed
Min. speed
Typical current
Max. current

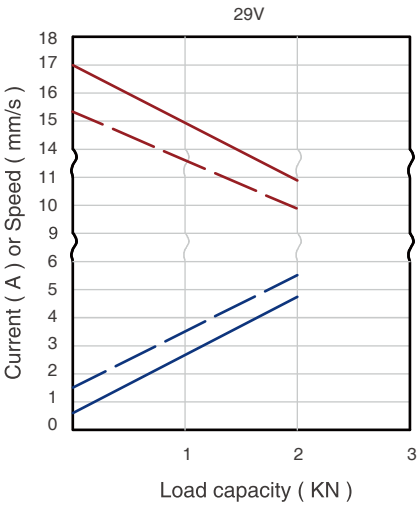
1000N





2000N

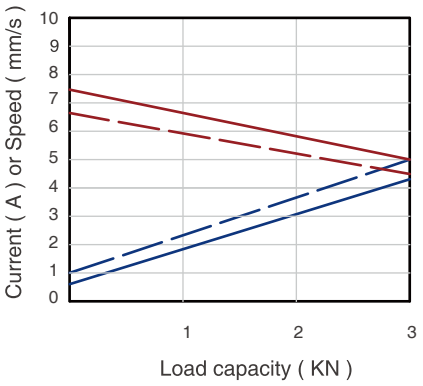




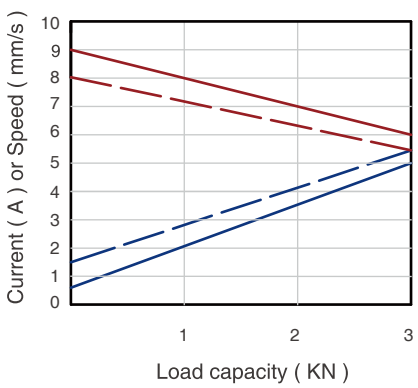
3000N

Typical speed
Min. speed
Typical current
Max. current

24V



29V



Ordering Key

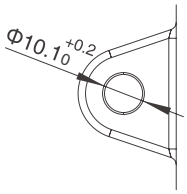
Take **JC35W2-202924200/325VGB35Lf470020D5** as an example

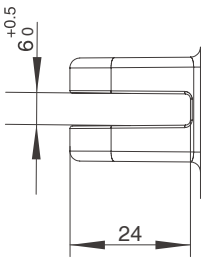
Model	**JC35W2-2**	
Optional features	**X**	0 = Standard / Y = hall sensor
Load in push	**X**	3 = 3000N / 2 = 2000N / 1 = 1000N
Speed at full load	**X**	5 = 5mm/s 9 = 9mm/s 13D5 = 13.5mm/s
Input voltage	**XX**	24 = 24VDC
Stroke length/ Installation dimension	**XXX/XXX**	Stroke length = XXX Installation dimension = XXX
Clevis directions	**X**	H=horizontal V=vertical (to motor direction)
Colour	**X**	G = Silver gray
End clevis specification	**X**	B35 = H direction, slot 6, Hole 10.1 B36 = V direction, slot 6, Hole 10.1 B37 = H direction, slot 6, Hole 8 B38 = V direction, slot 6, Hole 8
End clevis material	**L**	L = Aluminum alloy
Front clevis specification	**XX**	F46 = hole 6.5 F47 = hole 8 F74 = slot 6, depth 18, hole 10.1 F75 = hole 10.1 F76 = slot 6, depth 18, hole 8 F77 = hole 8, plastic
Brake specification	**X**	0 = Standard, without brake
Type of connector and cable	**XX**	02 =4 Pin Din connector 10= 5 Pin Din connector
Cable length	**XXX**	1D5 = 1.5m / 2D0 = 2m

Ordering Details

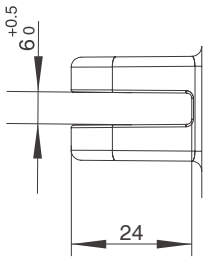
Dimensions of clevis

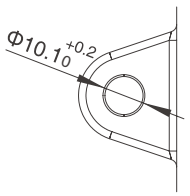
End clevis: B35



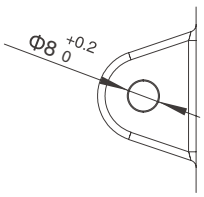


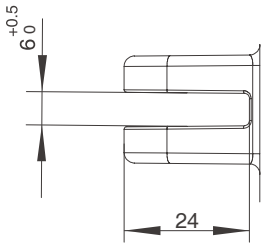
End clevis: B36



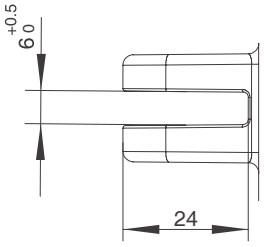


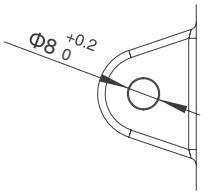
End clevis: B37



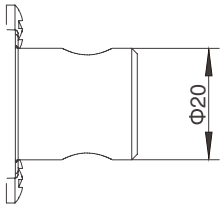


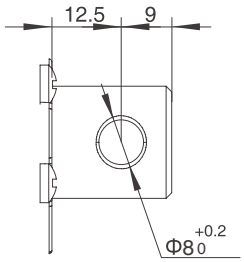
End clevis: B38



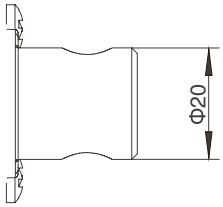


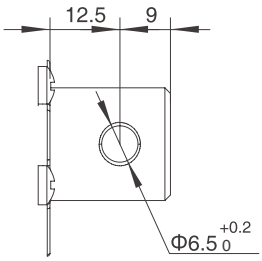
Front clevis: F47



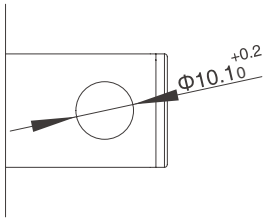


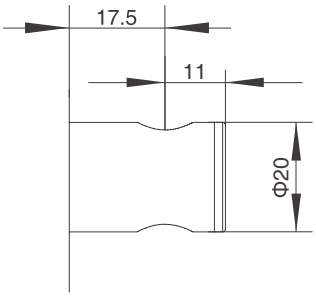
Front clevis: F46



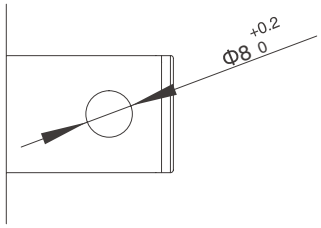


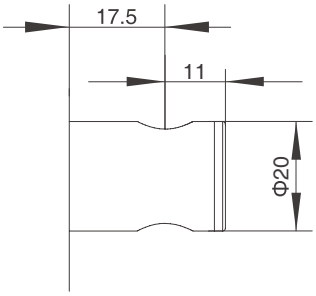
Front clevis: F75





Front clevis: F77





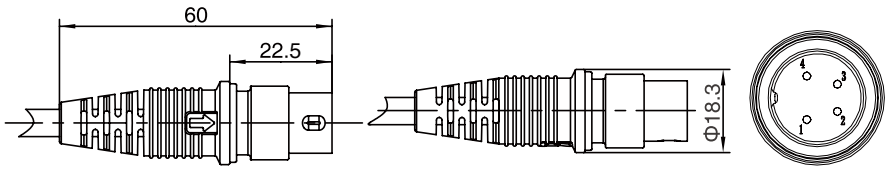
Motor cable

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



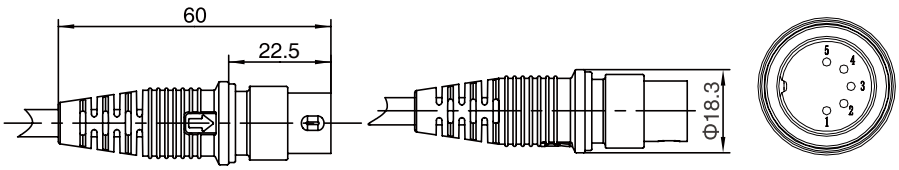


5 Pin Din connector (with Hall sensors)

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

Pin	Colour	Function
1	Red	5V
2	Brown	When positive voltage power on,actuator will go down
3	Black	GND
4	Blue	When positive voltage power on,actuator will go up
5	Yellow	Hall signal 1
Outer ring	Orange	Hall signal 2





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