JC35ER2 Lifting Column



1. JC35ER2 Column is a two-stage round aluminum-tube column widely used in various applications.
2. Thrust options: 2000N, 4000N.
3. The JC35ER2 column features high load capacity and high strength.

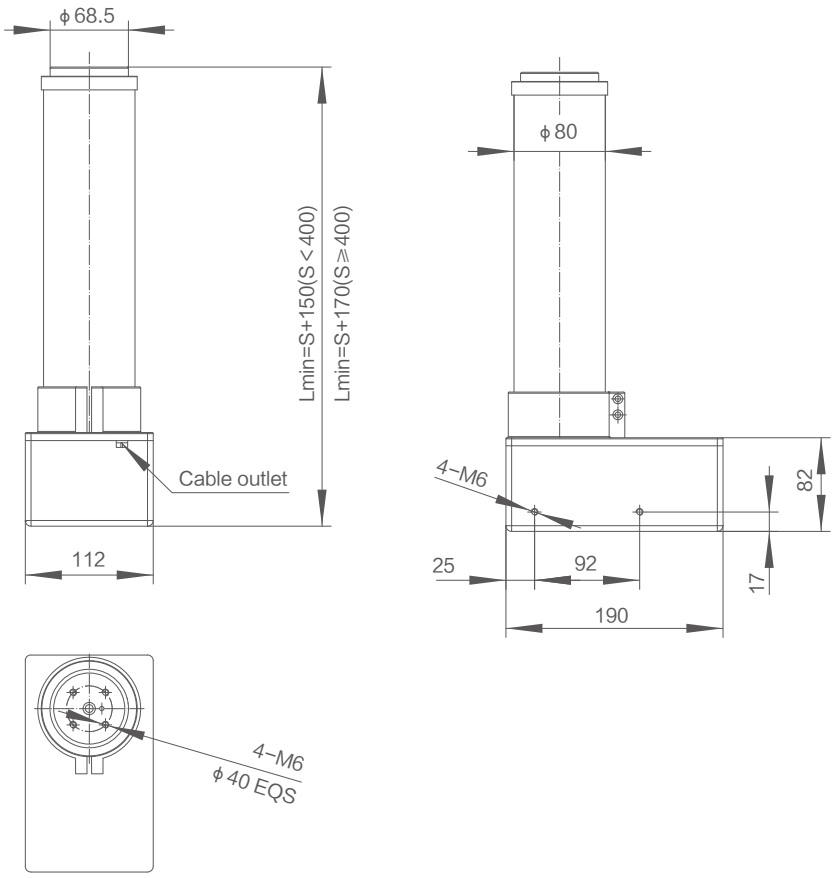
Features And Options

Dynamic Load Push(N):	4000N
Self-locking Force:	4000N
Input Voltage:	24VDC
Maximum Speed:	9mm/s
Stroke:	100~400mm (optional >400mm)
Colour:	Silver-gray
Mounting Method:	Direct mounting via side screws or sleeve mounting (optional)
Overload Protection:	Yes
Limit Switch:	Built-in
Protection Class:	IPX4
Optional Feature:	Hall Effect Feedback
Approval:	IEC60601-1:2012 EN 60601-1:2006+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

Dimensions

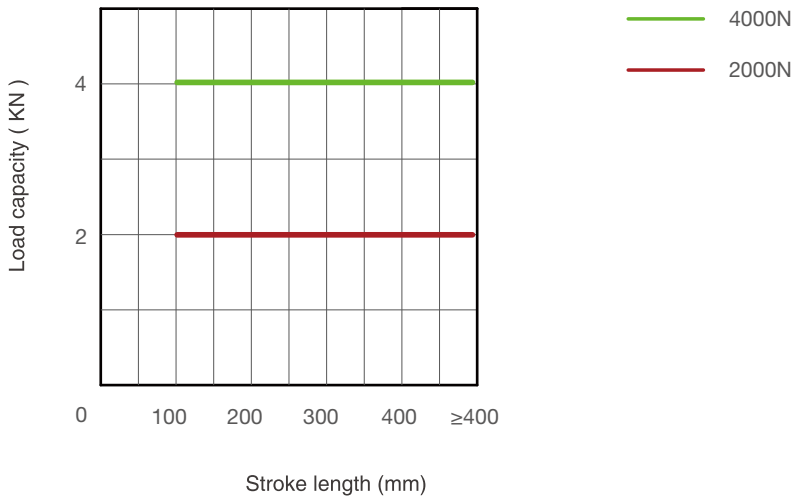


Technical Specifications (Standard Value)

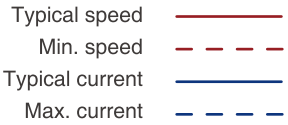
Input voltage (VDC)	Spindle pitch (mm)	Max. load in push (N)	Max. load in pull (N)	Mechanical self-lock (N)	Speed at no load/full load (mm/s)	Current at full load (A)
24	5	2000	/	2000	14/7	4.5
24	5	4000	/	4000	7/4	4.5
12	5	2000	/	2000	13/8.5	8.5

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.
1kg=2.2lb, 100mm=3.94inch

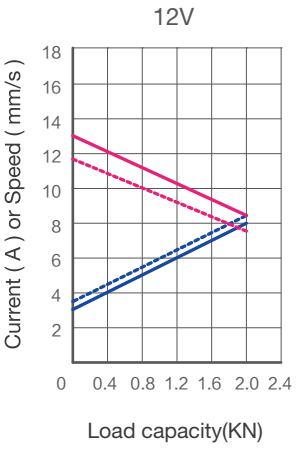
Diagram of relationship between stroke length and load

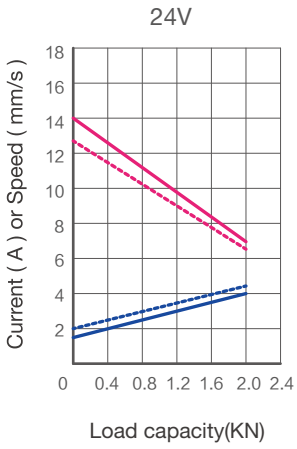


Characteristic Curve

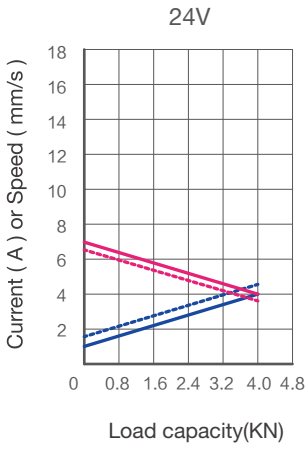


2000N





4000N



Ordering Example

Take **JC35ER2Y02724400/57000021D510G** for example

Model	**JC35ER2**	
Optional features	**X**	0 = Standard / Y=Hall sensor
Profile code	**X**	0 = Standard
Load in push	**X**	2=2000N / 4=4000N
Speed at full load	**X**	7=7mm/s / 4=4mm/s / 8D5=8.5mm/s
Input voltage	**XX**	24=24VDC / 12=12VDC
Stroke length/ Installation dimensions	**XXX/XXX**	Stroke length=XXX Installation dimensions =XXX
Mounting plate code	**X**	0 = Standard
Cable outlet	**X**	0=Side of top outlet / 2 =Side of end outlet
Type of connector and cable	**XX**	02=4 Pin Din connector
Cable length	**XXX**	1D5=1.5m
Surface treatment	**XX**	10=Plastic spraying treatment
Colour	**X**	G=Silver-gray oxidation

Ordering Details

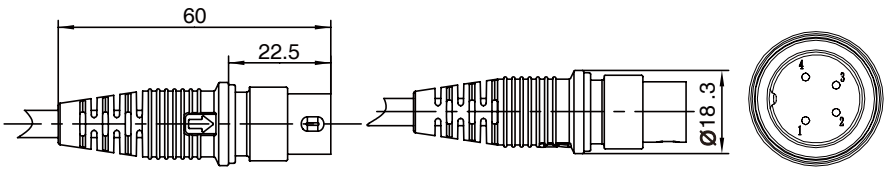
Motor cable

4 Pin Din connector (standard)

Supporting control boxes:
JCB35Q / JCB35T / JCB35R / JCB35R1 / JCB35S

Pin	Color	Functions
1	NC	Not connected
2	Brown	power with positive voltage, actuator going down
3	Blue	power with positive voltage, actuator going UP
4	NC	Not connected
Outer Circle	NC	Not connected





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