JIECANG

JC35EN3 Lifting Column



EN3 Lifting Column is available in two models:EN3-E (Small column)
EN3-F (Large column)

Key Specifications:
Static max bending moment: 1000 Nm
Dynamic max bending moment: 500 Nm
Certification: CE marked

Features And Options

Output Voltage:	24V
Dynamic Load Push:	2000N
Installation Dimensions:	L=S/2+150mm (0≤S≤400mm) L=S/2+200mm (S>400mm)
No-load Current:	≤2A
Rated Load Current:	≤7A
No-load Speed:	11mm/s
Rated Load Speed:	10mm/s
Noise Level:	≤50dB (ambient noise ≤40dB)
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 to1060hPa

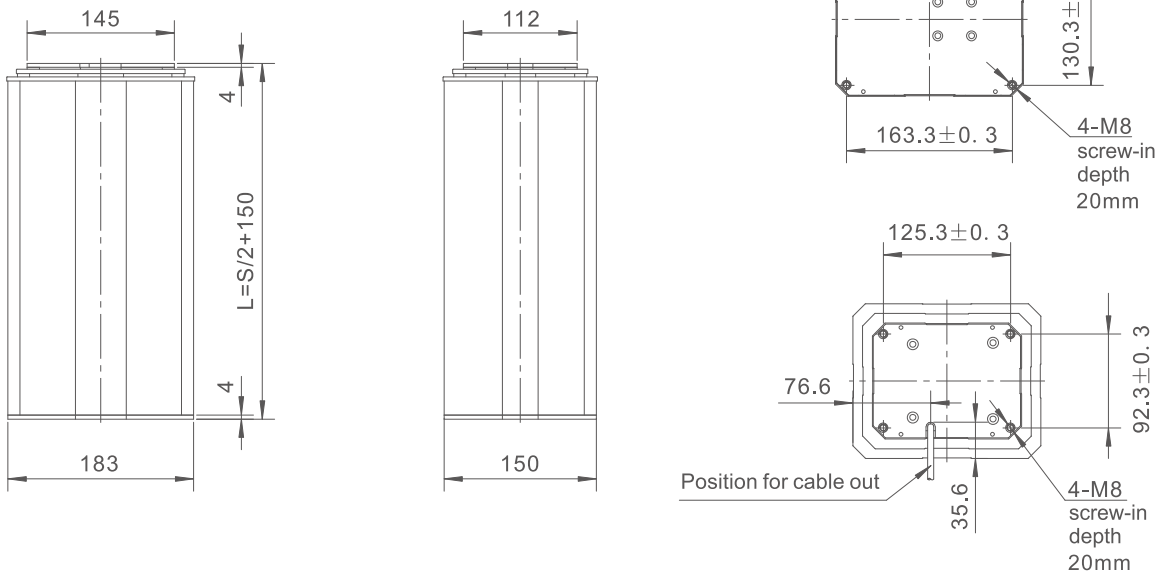
Technical Data-Standard value

Input voltage (VDC)	Spindle pitch (mm)	Max. load in push (N)	Mechanical self-lock (N)	Speed at no load/full load (mm/s)	Current at full load (A)	Note
24	6+6	2000	≥2000	11/10	≤7.0	E
24	6+6	2000	≥2000	11/10	≤7.0	F

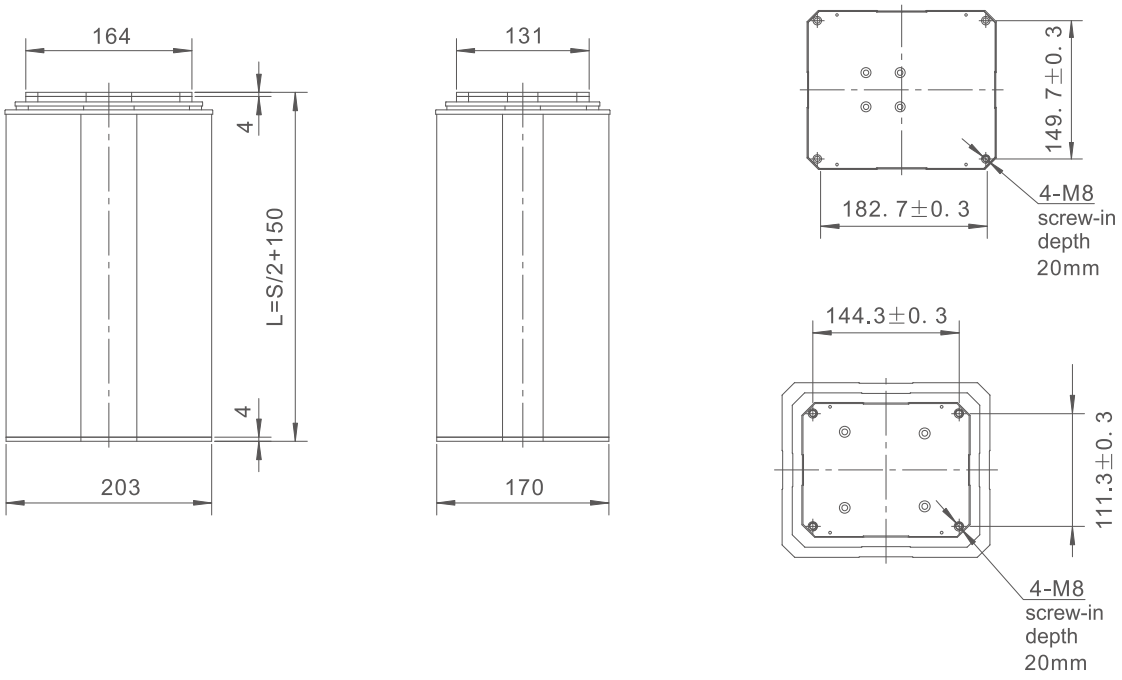
Remarks: It can achieve better self-locking ability with Jiecang control box;
The above data is the standard value of the test data (inspection specification) at room temperature of 25°C.
1kg=2.2lb,100mm=3.94inch

Dimensions

JC35EN3-E



JC35EN3-F



Installation dimension

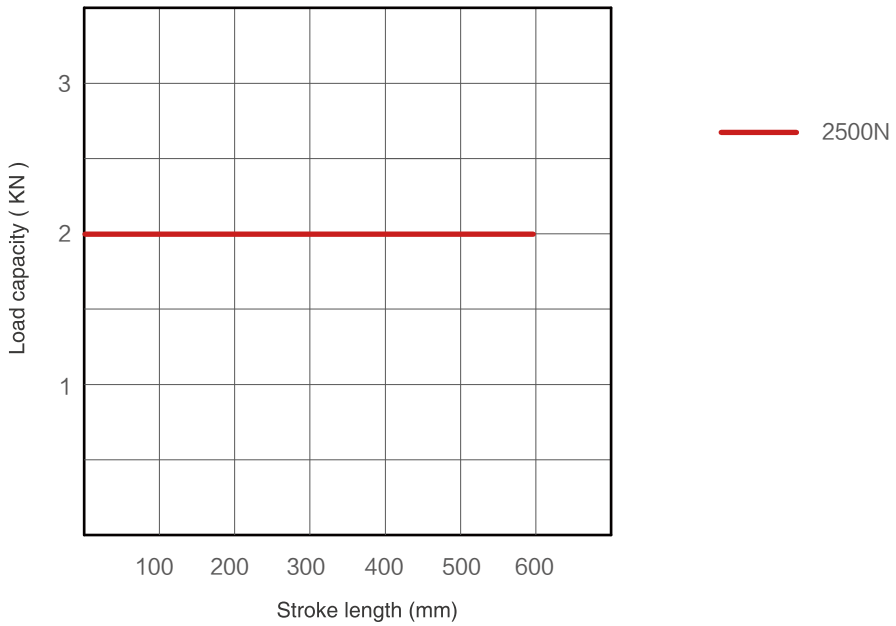
L=S/2+150

Ordering Example

Take **JC35EG-2Y02D51529400/350O0931D510W** for example

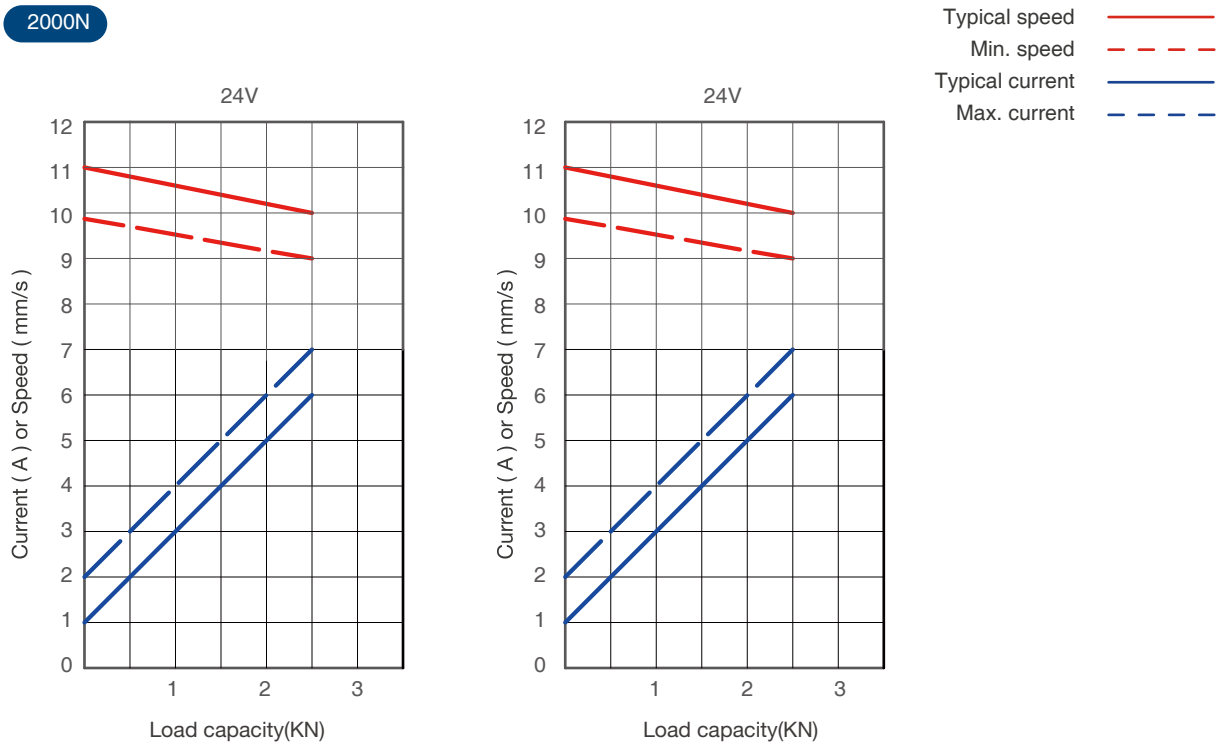
Model	**JC35EG-2**	
Optional features	**X**	0 = Standard Y=Hall sensor
Profile code	**X**	E=EN3-E / F=EN3-F
Load in push	**X**	2=2000N
Speed at full load	**X**	10=10mm/s
Input voltage	**XX**	24=24VDC
Stroke length/ Installation dimensions	**XXX/XXX**	Stroke length=XXX Installation dimensions =XXX
Mounting plate code	**X**	0=Standard
Cable outlet	**X**	1=Top cable outlet
Type of connector and cable	**XX**	10=5 Pin Din connector
Cable length	**XXX**	1D5=1.5m
Surface treatment	**XX**	07=anodized treatment
Color	**X**	G = Silver Gray

Diagram of relationship between stroke length and load



Characteristic Curve

2000N



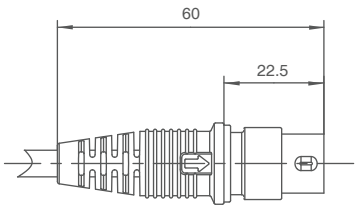
Ordering Details

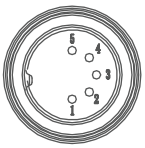
5 pin DIN plug

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

Pin	Color	Functions
1	Red	5V
2	Brown	power with positive voltage, actuator going down
3	Black	GND
4	Blue	power with positive voltage, actuator going up
5	Yellow	Hall sensor signal 1
Outer Circle	Orange	Hall sensor 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