JC35ESN2 Lifting Column



1. JC35ESN2 is a new structural column in the JC35ES series. Unlike other series products, the motor of the JC35ESN2 is integrated inside the tube, significantly saving installation space and enabling use in confined areas. Its exterior is also smoother and more streamlined.
2. JC35ESN2 is suitable for a wide range of low□load applications, such as optometry tables and lecterns. When equipped with optional Hall sensors and paired with Jiecang controllers, the JC35ESN2 can synchronize its lifting motion with other columns.

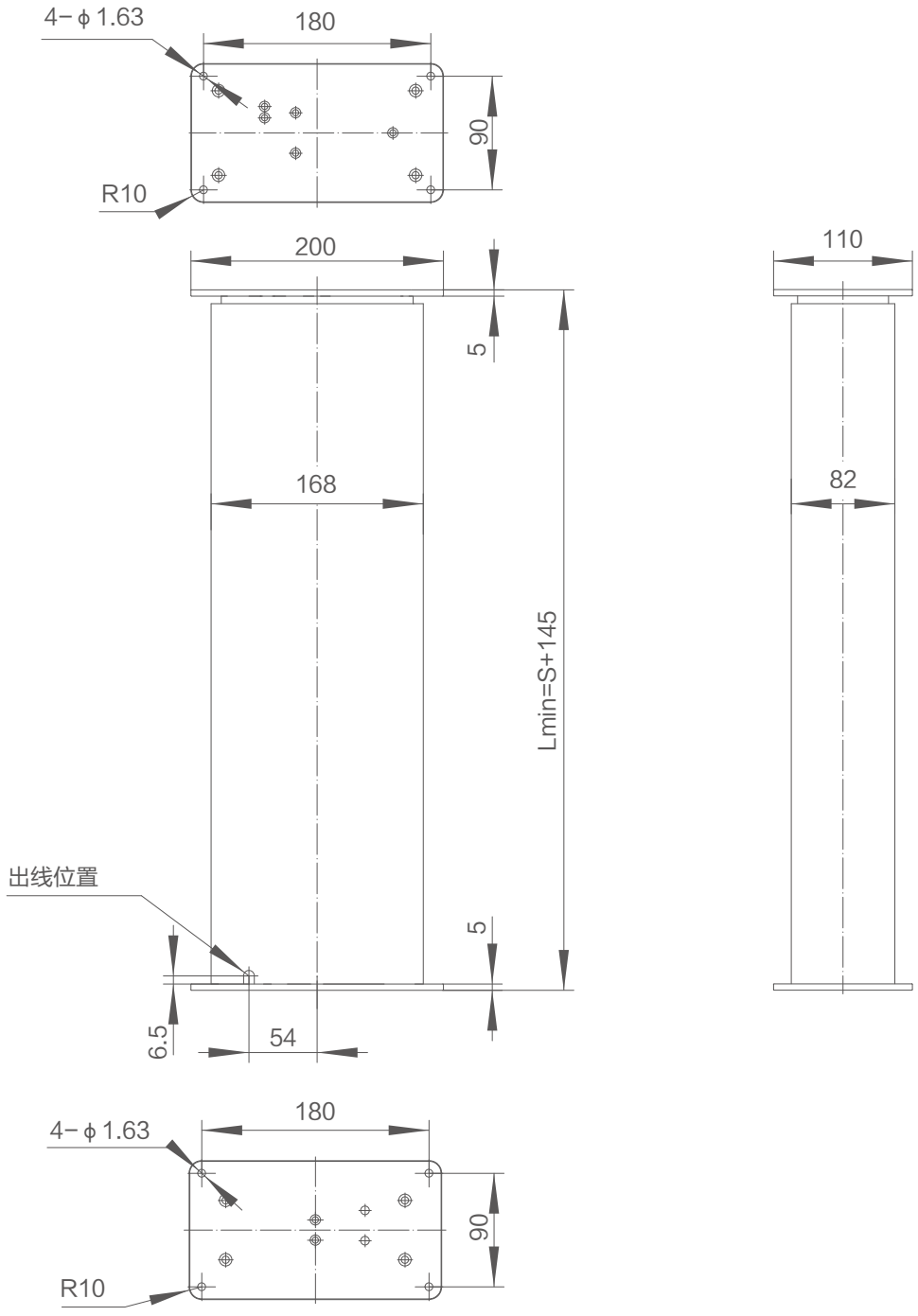
Features And Options

Motor:	Built-in
Input Voltage:	24VDC
Dynamic Load Push(N):	1000N
Stroke:	400mm (±4mm)
Limit Switch:	Built-in
Maximum Speed:	11mm/s
Limit Switch:	Built-in
Finish:	Powder coated, white
Noise:	Low noise level
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

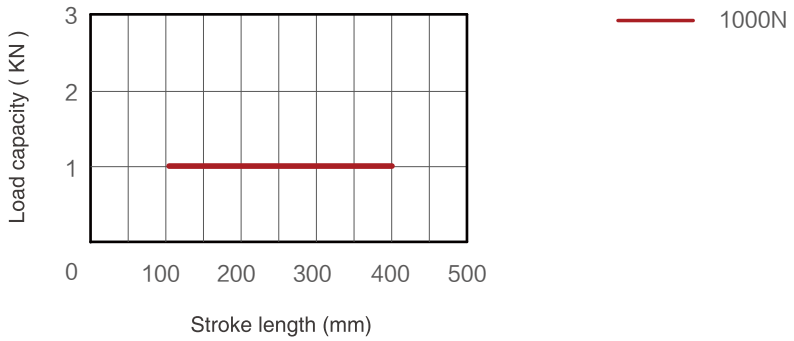

4−ϕ1.63
180
90
R10
200
5
168
Lmin=S+145
出线位置
5
6.5
54
110
82
4−ϕ1.63
180
90
R10

Technical Specifications (Standard Value)

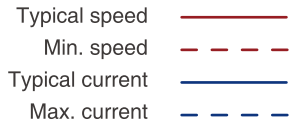
Input voltage (VDC)	Spindle pitch (mm)	Max. load in push (N)	Max. load in pull (N)	Mechanical self-lock (N)	Speed at no load/full load (mm/s)	Current at full load (A)
24	7.5	1000	/	1000	14/11	≤4.0

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

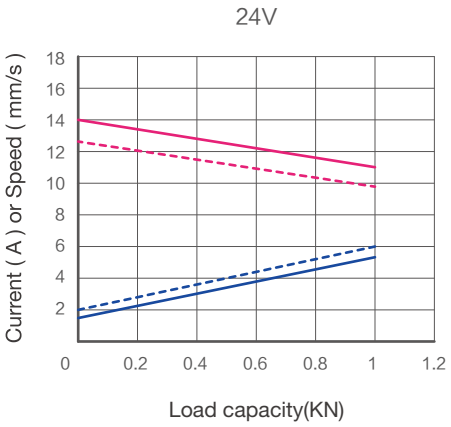
Diagram of relationship between stroke length and load



Characteristic Curve



2000N



Ordering Example

Take **JC35ESN2YA11224410/550O1211D510W** for example

Model	**JC35ESN2**	
Optional features	**X**	0 = Standard / Y=Hall sensor
Profile code	**X**	A = Matched with Tube Set 1# and 2#
Load in push	**X**	1=1000N
Speed at full load	**X**	12=12mm/s
Input voltage	**XX**	24=24VDC
Stroke length/ Installation dimensions	**XXX/XXX**	Stroke length=XXX Installation dimensions =XXX
Mounting plate code	**X**	O=220*96*12
Cable outlet	**X**	1=Top mounting plate cable outlet
Type of connector and cable	**XX**	21=6 Pin ET Straight Connector
Cable length	**XXX**	1D5=1.5m
Surface treatment	**XX**	10=Plastic spraying treatment
Colour	**X**	W=White

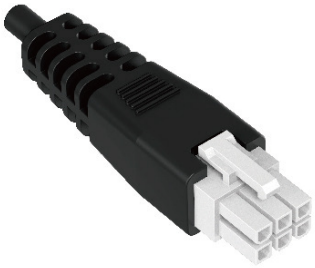
Ordering Details

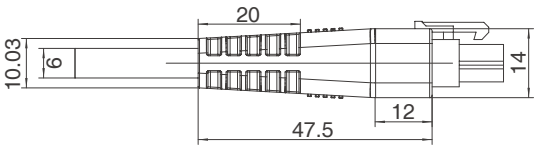
Motor cable

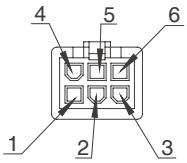
6 Pin Mini-Fit connector

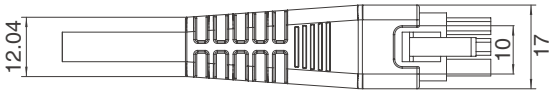
Supporting control box:
JCB35N / JCB35H

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









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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