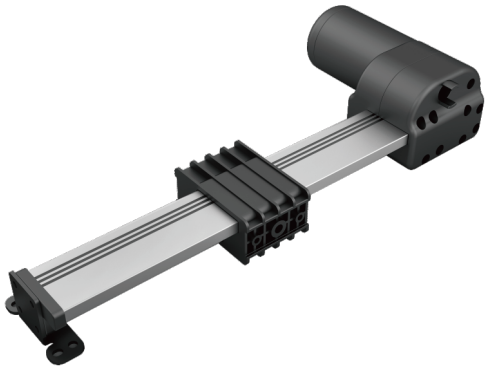
JIECANG

JC35L Linear Actuator

Application field - Medical Line
preferably in functional sofa, massage chair,
TV lifting and other applications.

JC35L is a rail type actuator and the nut can slide on the aluminum profile.
With high load capacity, it is widely applied to sofa and massage chairs, as well TV lifting. JC35L has following specifications:
JC35L - 4000N, JC35L - 3000N, JC35L-2000N, JC35L-1500N, JC35L-1000N, JC35L-750N.



Features And Options

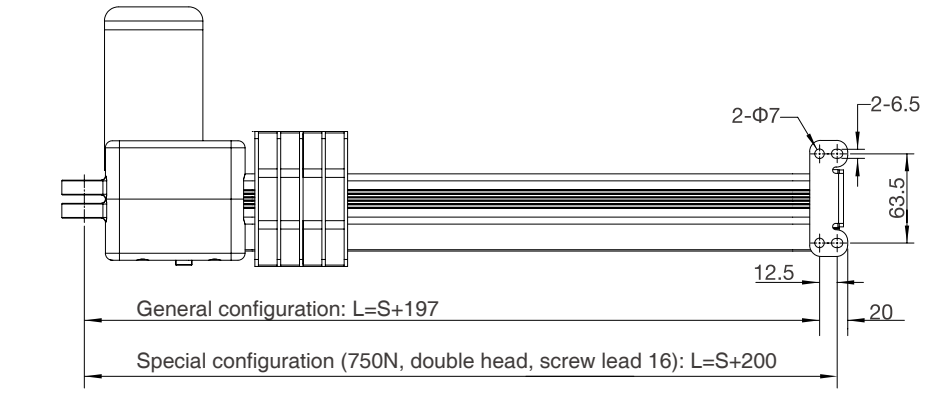
Dynamic Load Push(N):	4000N(pull 3000N) | 3000N(pull 2000N) 2000N(pull 1500N) 1500N(pull 1000N) | 1000N(pull 750N) 750N(pull 500N)
Colour:	Black / Gray
Stroke Length:	50-400mm(in steps of 4mm)
Installation Dimension:	General configuration: L=S+197 (calculated according to the inner hole of the mounting plate) Special configuration (750N, double head, screw lead 16): L=S+200 (calculated according to the outer hole of the mounting plate)
Noise Level:	≤ 60dB, (environmental noise ≤ 40dB)
Options:	Hall sensor
Limit Switch:	Built-in (electronic)
Weight:	About 1.5kg (different stroke length and installation dimensions with different weight)
Static Bending Moment:	Lateral load is not allowed
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

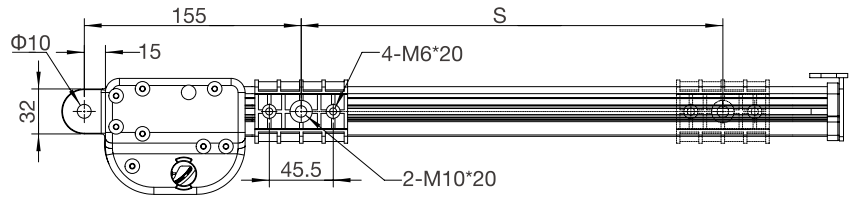
Usage

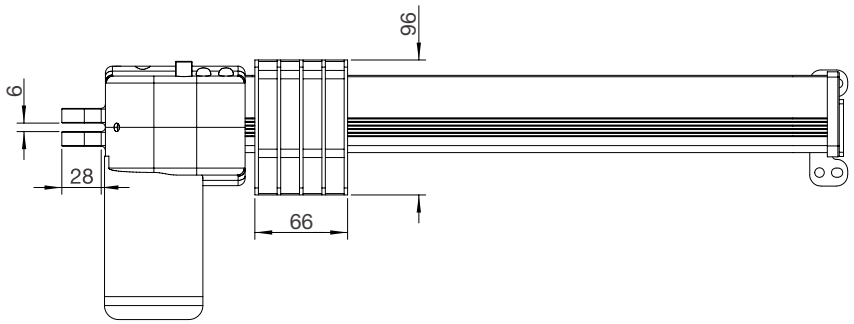
Duty Cycle:	10%, max. continuous work for 2min. and 18 min. off
Operating Temperature:	+5°C to +40°C
Reserve Temperature:	-10°C to +50°C
Supporting Control Box:	Matching with JIECANG control box
Relative Humidity:	20% to 90% at 30°C, non-condensing
Atmospheric Pressure:	700 to1060hPa

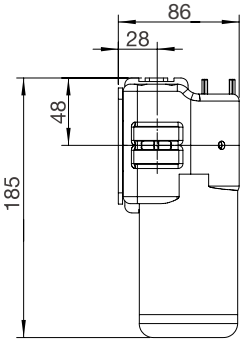
Dimensions

Front clevis 0, end clevis 0







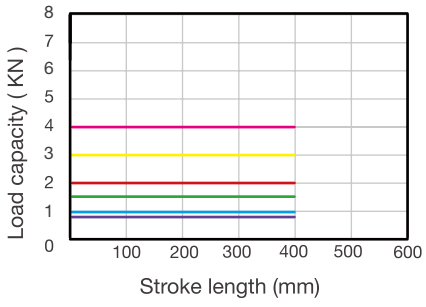


Technical Specifications (Standard Value)

Input voltage (VDC)	Spindle pitch (mm)	Max. load in push (N)	Mechanical self-locking (N)	Speed at no load/full load (mm/s)	Current at full load (A)
12	5	4000	4000	6.5/3	9.5
12	7.5	3000	3000	10/7	9
12	5	2000	2000	13/8	9
12	7.5	1500	1500	20/14.5	9
12	12	1000	1000	30/19	8
12	16	750	450	40/21	9
24	5	4000	4000	6.6/4.4	4.5
24	7.5	3000	3000	10.4/6	4.5
24	7.5	2000	2000	10.4/7.5	4.5
24	5	2000	2000	13/10	4.5
24	16	2000	1000	26/16	5.5
24	7.5	1500	1500	22/14.5	5
24	7.5	1000	1000	13/8	4.5
24	7.5	1000	1000	12.9/9.2	2.6
24	12	1000	1000	33/23	4.5
24	16	750	450	42/30	4.5
24	12	750	750	33/25	4.5
24	12	450	450	22/18	2.6
29	5	4000	4000	8/5.2	5.4
29	7.5	3000	3000	12.5/7.2	5.4
29	7.5	2000	2000	12.5/9	5.4
29	7.5	1500	1500	26.5/17.4	6
29	12	1000	1000	40/27.6	5.4
29	7.5	1000	1000	15.5/11	3.1
29	12	750	750	40/30	5.4

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;

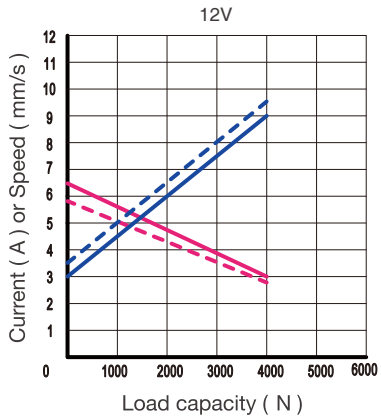
Diagram of relationship between stroke length and load

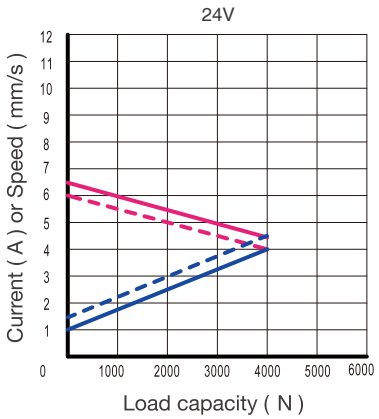


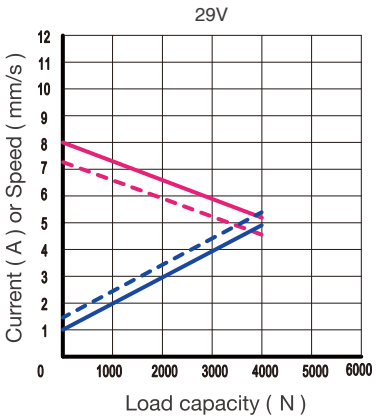
Characteristic Curve

Typical Speed
Min. Speed
Typical
Current

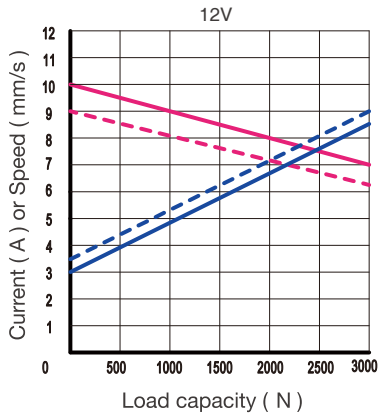
4000N

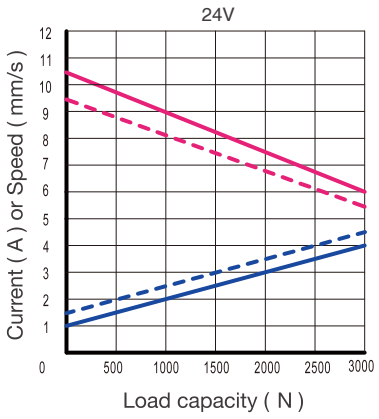


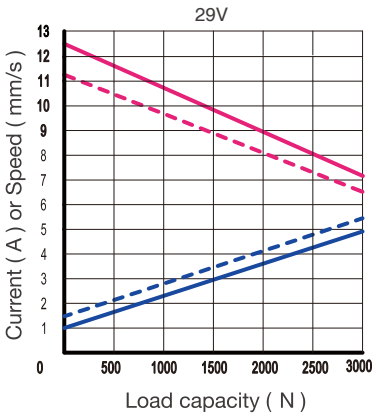




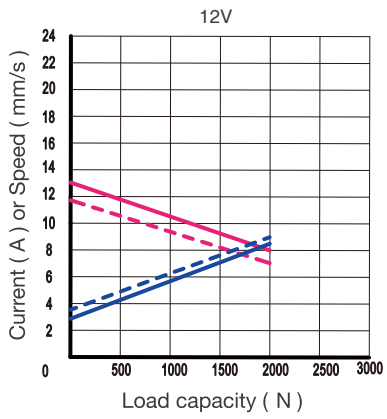
3000N

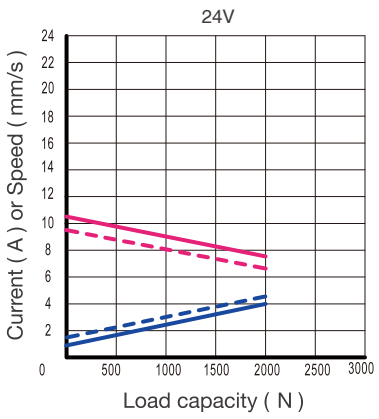


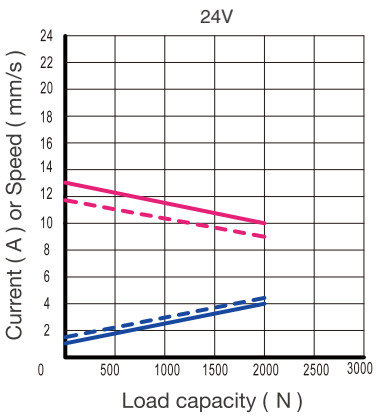




2000N



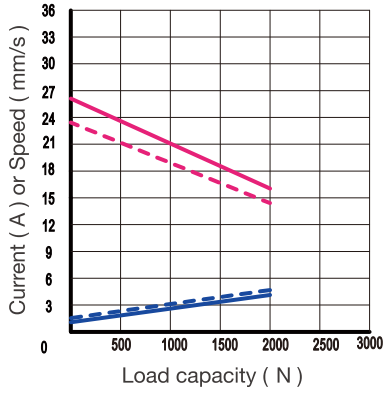




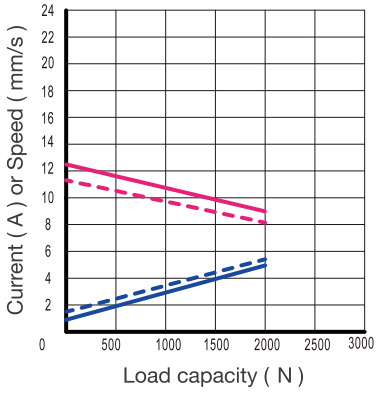
Typical Speed
Min. Speed
Typical
Current

2000N

24V

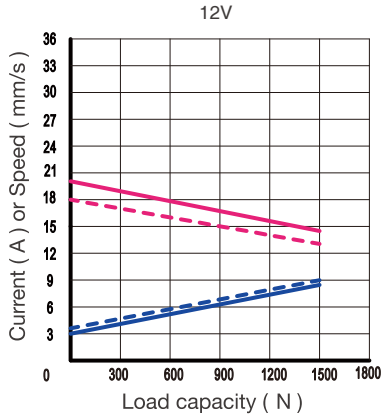


29V

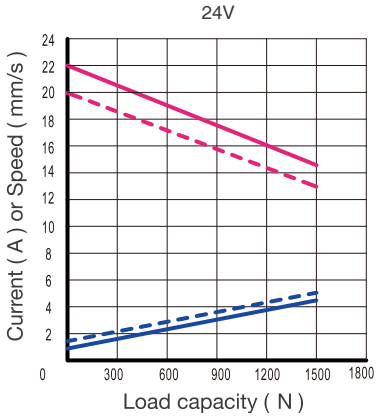


1500N

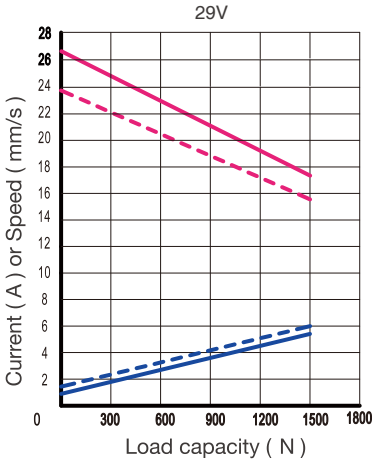
12V



24V

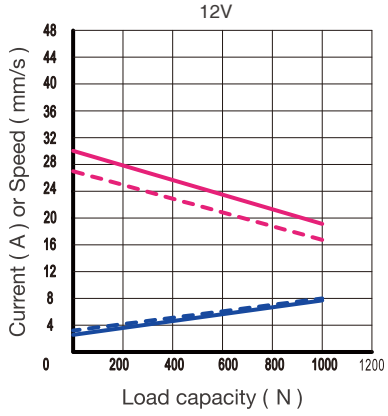


29V

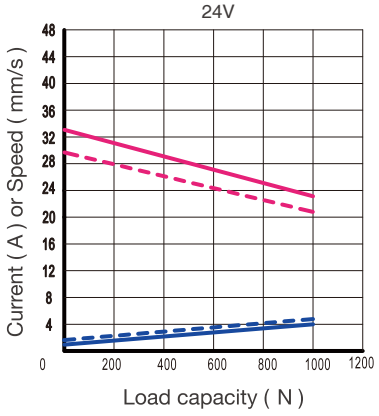


1000N

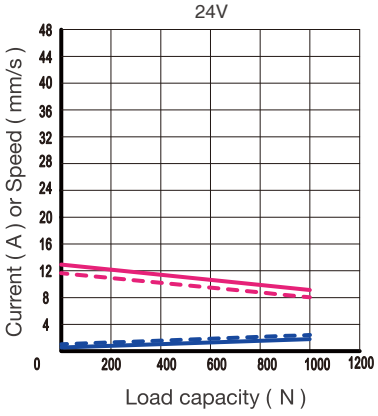
12V



24V

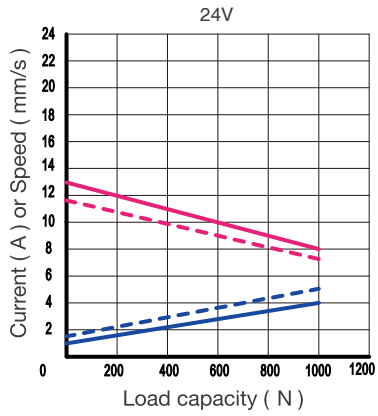


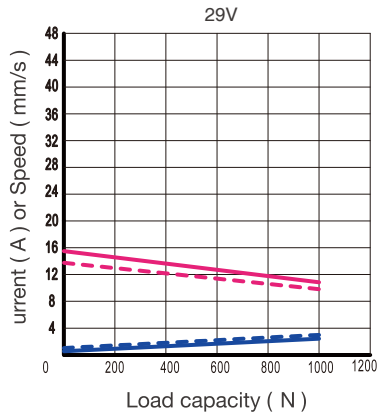
24V

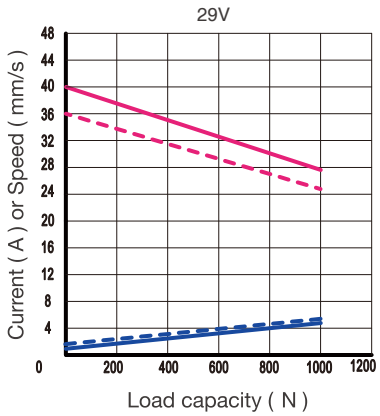


Typical Speed
Min. Speed
Typical
Current

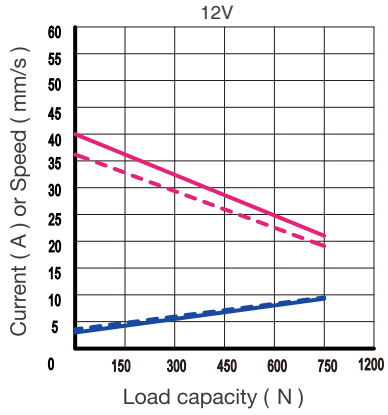
1000N

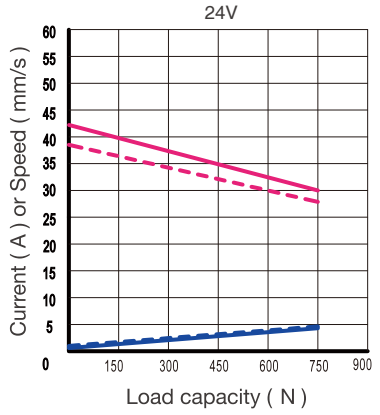


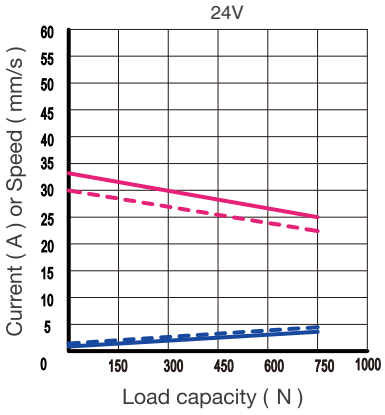




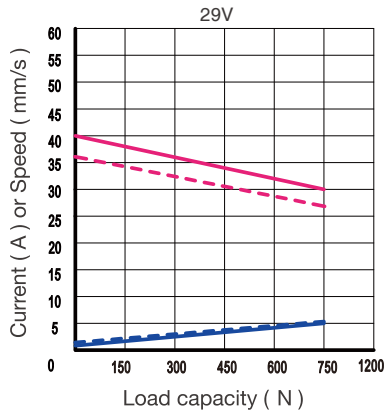
750N



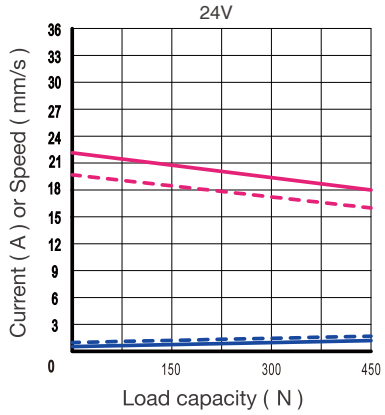




750N



450N



Ordering Key

Take **JC35L04D424200/397HB0000022D0** as an example

Model	**JC35L**	
Optional features	**X**	0 = Standard / Y = Hall sensor
Load in push	**X**	4=4000N / 3=3000N / 2=2000N / 1D5=1500N 1=1000N / 0D75=750N / 0D45=450N
Speed at full load	**X**	4D4=4.4mm/s 6=6mm/s 7D5=7.5mm/s 10=10mm/s 16=16mm/s 14D5=14.5mm/s
Input voltage	**24**	24 = 24 VDC
Stroke length/ Installation dimension	**XXX/XXX**	Stroke length = XXX Installation dimensions=XXX
Clevis directions	**H**	H = H direction (to motor direction)
Colour	**X**	G=Gray / B =Black
End clevis specification	**0**	0 = Not optional
End clevis material	**0**	0 = Not optional
Front clevis specification	**0**	0 = Not optional
Brake specification	**0**	0 = No brake
Type of connector and cable	**XX**	02= 4 Pin Din connector 10= 5 Pin Din connector
Cable length	**XXX**	2D0 = 2m / 0D5 = 0.5m

Ordering Details

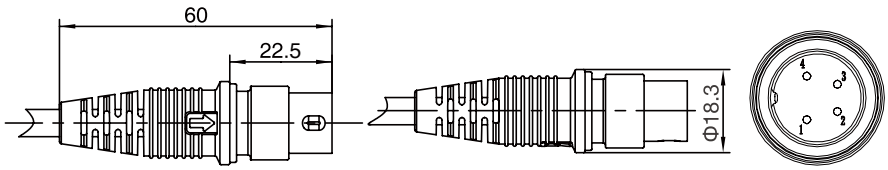
Motor cable

4 Pin Din connector (standard)

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

Pin	Colour	Function
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



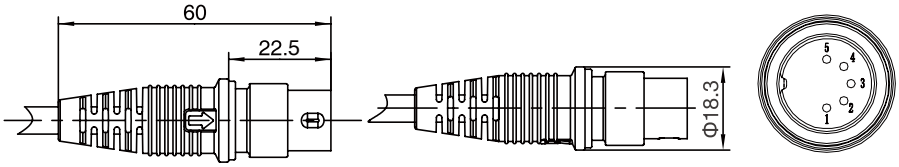


5 Pin Din connector (with Hall sensors)

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

Pin	Colour	Function
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

Disclaimer and Exclusion of Liability

The user must determine the suitability of JIECANG products under specific conditions. JIECANG is committed to providing the latest product information. However, as JIECANG's product are constantly improving, it is possible to make changes to JIECANG's product without prior notice. Therefore, JIECANG cannot guarantee the correctness and authenticity of the product information. Although JIECANG will do its best to meet the order requirements, due to the above reasons, JIECANG cannot guarantee the delivery capacity of any specific product.

Therefore, JIECANG reserves the right to stop selling any products listed on the website or product catalog or other JIECANG written materials. All sales activities must be carried out in accordance with the requirements of JIECANG sales and Delivery Standard Clauses. For copies of relevant documents, please contact JIECANG.

Notes for mounting and usage can be found in the corresponding mounting manual