



LINEAR ACTUATOR

JC35N8

JC35N8 Linear Actuator

Application field - Medical Line
Preferably in medical beds, nursing beds, patient lift and etc.

JC35N8 is a line actuator with large load capacity, compact structure of small volume as well high IP grade of IPX6.



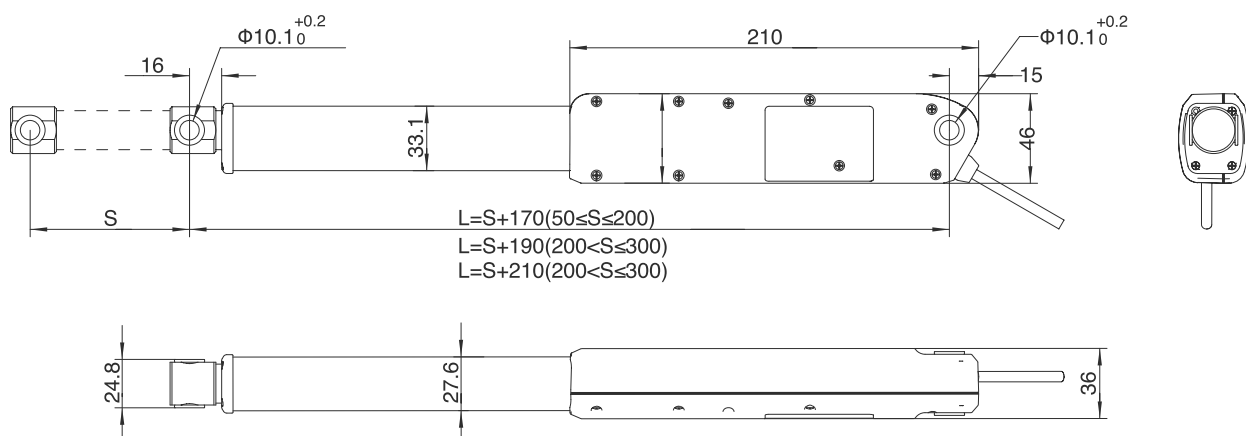
Stock Code: JC35N8-2.5-2.3-24-250-440-4S-0-G
JC35N8-2.5-2.3-24-300-490-4S-0-G

General Features

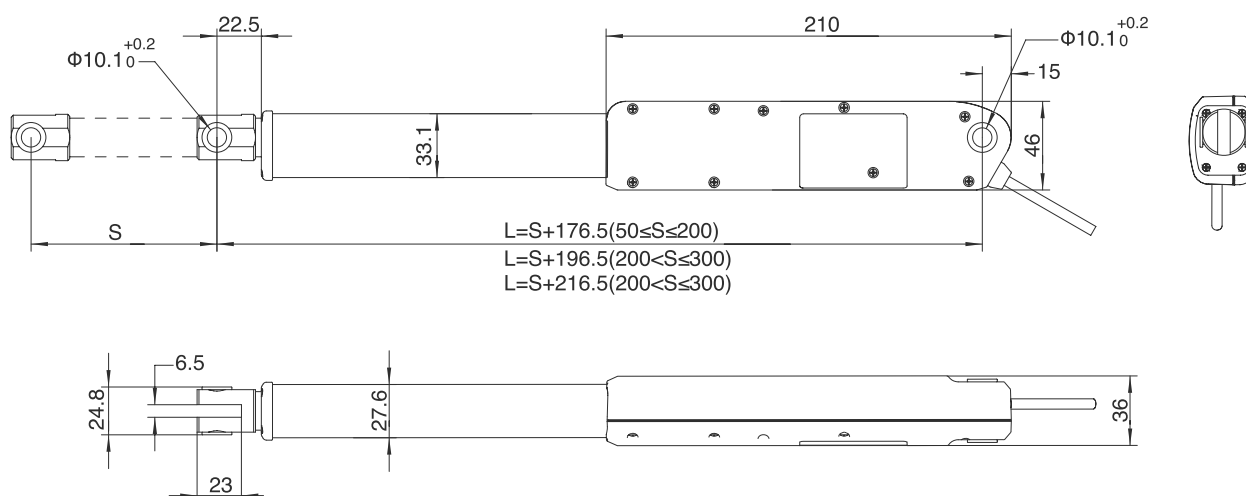
Load in push (N):	2500 2000 1500 800 500
Load in pull (N):	900
Motor rated voltage Input Input (VDC):	24 29
Installation dimensions:	L=S+170 (50≤S≤200, standard) L=S+190 (200<S≤300, standard; 50≤S≤200, only push) L=S+210 (200<S≤300, only push)
Stroke length (mm):	2500N: 50-300mm (in steps of 4mm) / 2000N: 50-300mm (in steps of 4mm) 1500N: 50-300mm (in steps of 4mm) / 800N: 50-300mm (in steps of 4mm) 500N: 50-300mm (in steps of 4mm) Stroke length can be further extended - please contact your nearest sales office
Options:	Safety nut, Hall sensor, Only push
Colour:	Grey
Limit switch:	Built-in (electrical)
Weight:	About 0.8kg (different stroke length and installation dimensions with different weight)
Duty cycle:	10%, max. 2min. continuous use
IP grade:	Max. IPX6
Noise leve:	≤58dB (environmental noises≤40dB)
Static bending moment:	lateral load is not allowed
Fatigue test:	JC35N8 linear actuator passes the Max load, 120mm stroke length and 10000 times of service life (10% duty cycle at ambient temperature)
Standards:	CE

Dimension Drawing

Top clevis F39, end clevis B25



Top clevis F40, end clevis B25



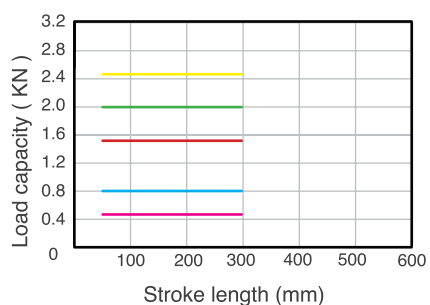
Technical parameters

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	2.5	2500	900	1500	3.8/2.3	≤1.8
24	3.0	2000	900	1500	4.6/3.0	≤1.8
24	3.0	1500	900	1500	4.6/3.1	≤1.8
24	5	800	800	800	7.3/5.6	≤1.8
24	6	500	500	500	8.8/7.2	≤1.8
29	2.5	2500	900	1500	4.6/3.2	≤1.8
29	3.0	2000	900	1500	5.5/4.0	≤1.8
29	3.0	1500	900	1500	5.5/4.1	≤1.8
29	5	800	800	800	8.8/7.0	≤1.8
29	6	500	500	500	10.5/8.1	≤1.8

Remarks: It can achieve better self-locking ability with Jiechang control box;

The above data is the standard value of the test data (inspection specification) at room temperature of 25°C .

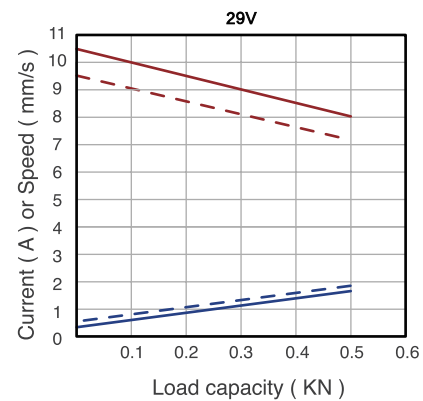
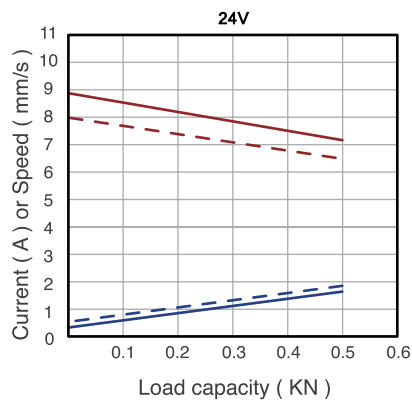
Stroke length versus load



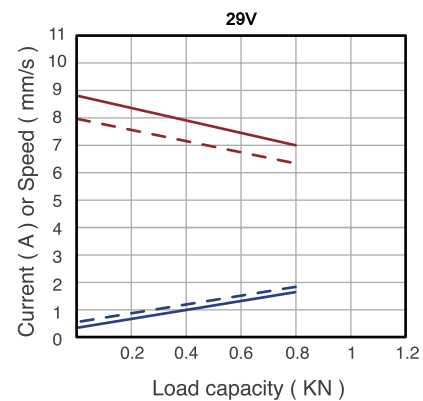
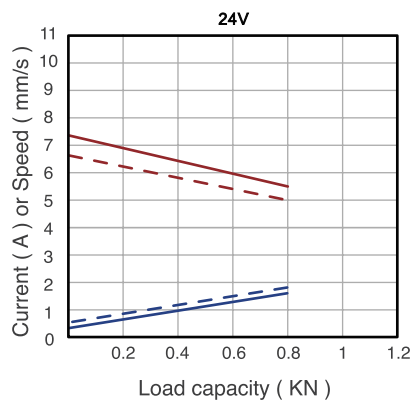
Characteristic

Typical speed ———
Min. speed - - - - -
Typical current ———
Max. current - - - - -

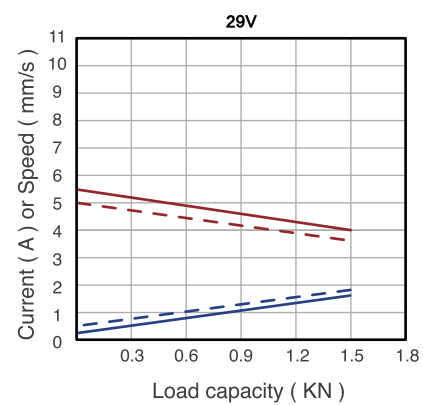
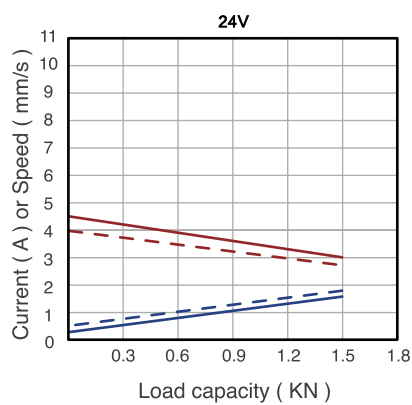
500N



800N

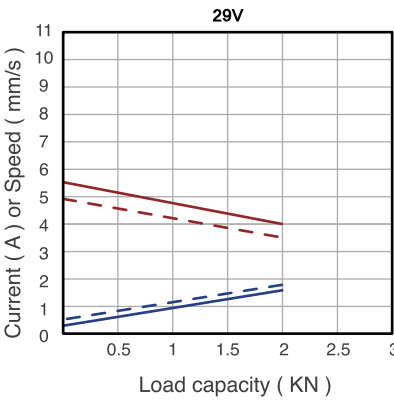
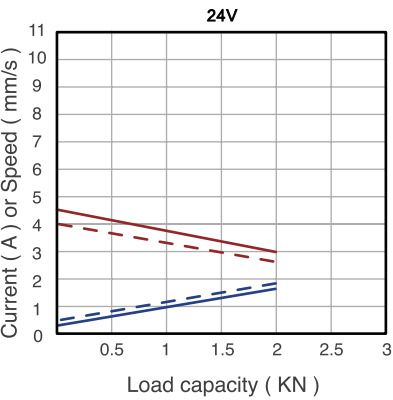


1500N

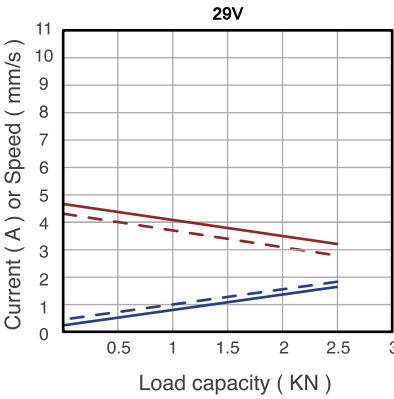
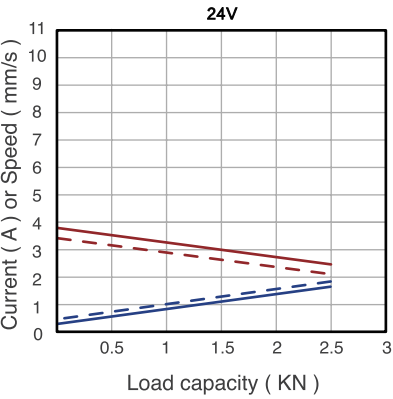


Typical speed ———
Min. speed - - - - -
Typical current ———
Max. current - - - - -

2000N



2500N



Ordering Key

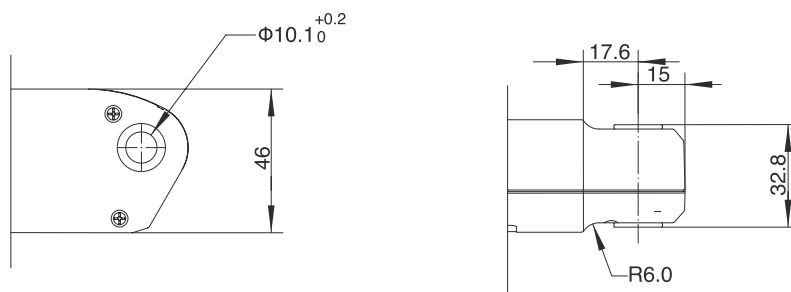
Take **JC35N802D52D324100/2700G25S390020D5** for example

Model	JC35N8	
Optional features	X	0 = Standard / P = Only push / S = With safety nut Y = With hall sensor / J = Only push+safety nut N = Only push + safety nut + hall sensor
Load in push	XXX	2D5=2500N / 2=2000N / 1D5=1500N 0D8=800N / 0D5=500N
Speed at full load	XXX	2D3=2.3mm/s 3D2=3.2mm/s
Input voltage	XX	24 = 24 VDC / 29 = 29VDC
Stroke length/ Installation dimension	XXX/XXX	Stroke length = XXX Installation dimension = XXX
Clevis directions	X	0 = Standard
Color	X	G = Grey
End clevis specification	XX	25 = B25; without slot, hole 12.5, 10.1 with bushing; JC35N8 end clevis integral to the shell
End clevis material	X	S = Plastic
Top clevis specification	XX	F39: steel, without slot, hole 12.5, 10.1 with bushing, matching Ø20 tube F40: steel, slot 6.5, hole 12.5, 10.1 with bushing, matching Ø20 tube
Brake specification	X	0 = No brake
Type of plug and cable	XX	02 = 4-pin DIN plug 21 = 6-pin ET plug
Cable length	XXX	0D5 = 0.5m / 1D5=1.5m

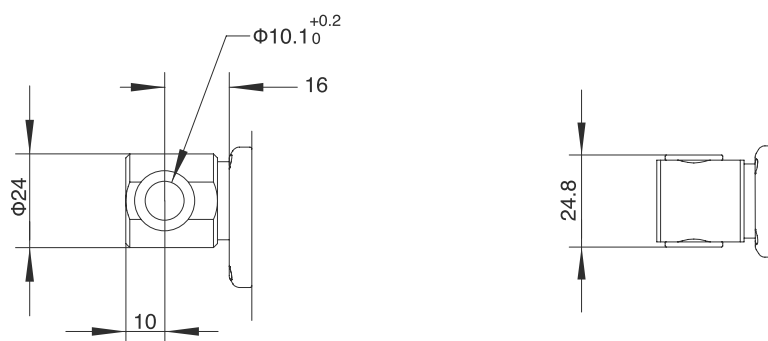
Ordering Details

Dimension drawing of clevis

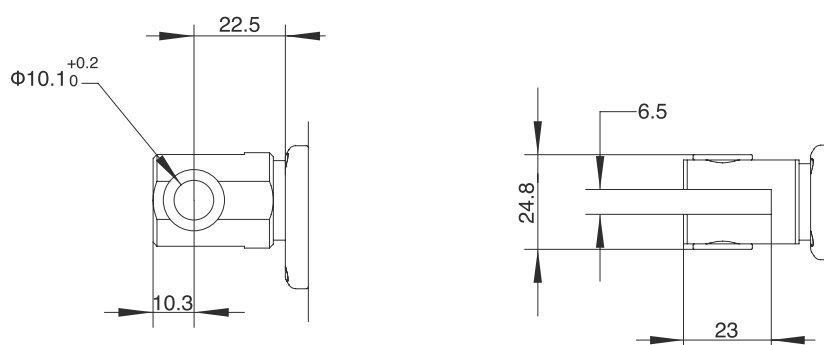
End clevis: B25



Top clevis: F39



Top clevis: F40



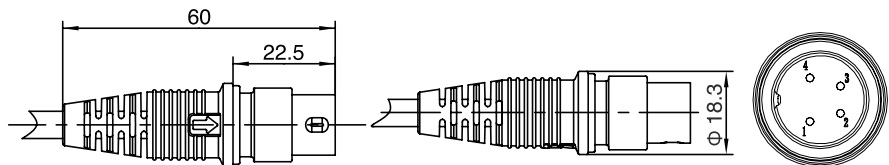
Motor wire

4-pin straight plug (standard)

Matching controller: JCB35Q/
JCB35T/ JCB35R/ JCB35R1/
JCB35S/ JCB35K2



Pin	Color	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

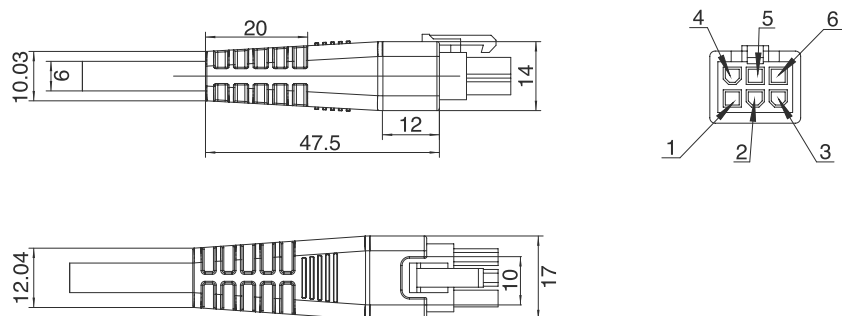


6 Pin Mini-Fit elbow plug

Matching control box :JCB35N/
JCB35H



Pin	Color	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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