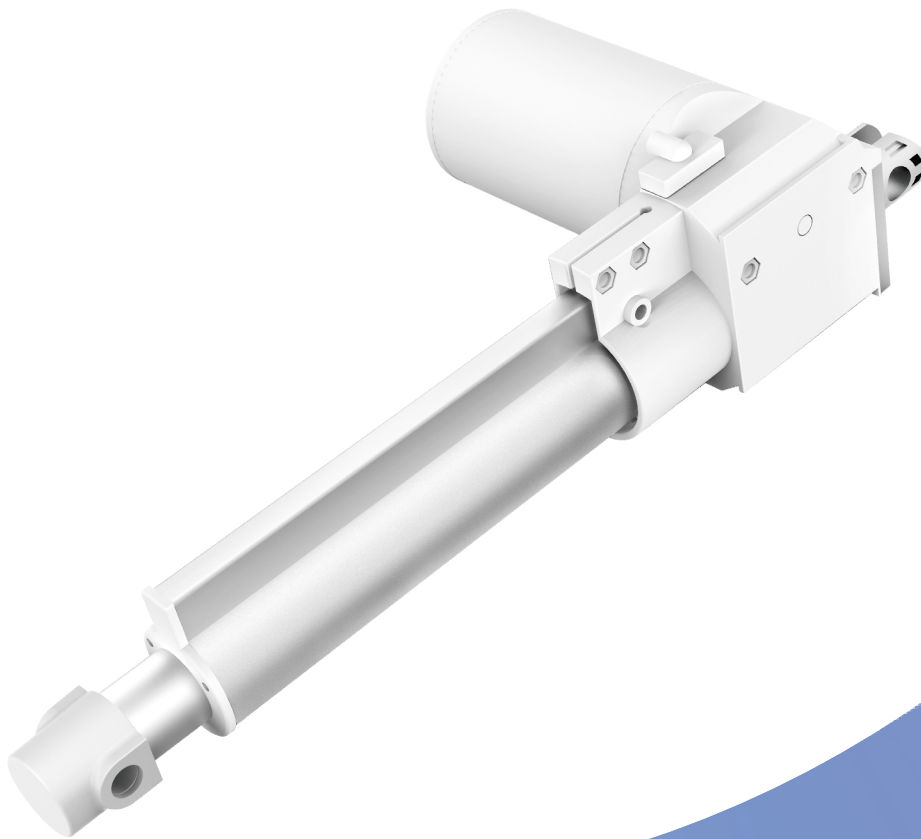


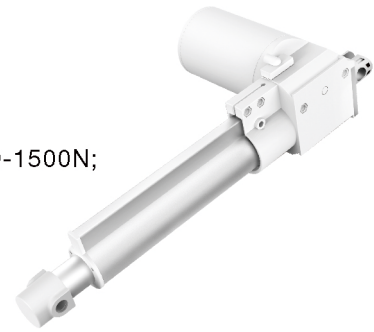
Linear actuator JC35D



Data sheet

Linear actuator JC35D

- JC35D is small and low-noise with simple design and high reliability.
- It has the following configuration:
JC35D-6000N; JC35D-4000N; JC35D-3000N; JC35D-2000N; JC35D-1500N;
JC35D-1000N; JC35D-750N. It is mainly used in thrust applications;
- JC35D is widely used in all kinds of beds.



Features and options:

- Load thrust: 6000N; 4000N; 3000N; 2000N; 1500N; 1000N; 750N
- Color: gray RAL7035; black RAL9005
- Max IP Grade: IP43
- Motor: 24VDC
- Stroke length:
 - 6000N: 50–400mm;
 - 4000N: 50–400mm;
 - 3000N: 50–600mm;
 - 2000N: 50–600mm;
 - 1500N: 50–600mm;
 - 1000N: 50–600mm;
 - 750N: 50–600mm;
- Installation length:
 - $L=225$ ($S < 50$)
 - $L=S+175$ ($50 \leq S < 400$)
 - $L=S+195$ ($S \geq 400$)
- Noise level: non load ≤ 48 dB,
(environmental noise ≤ 40 dB)
- Only push no pull: optional
- Hall sensor: optional
- Reed switch: optional
- Built-in electronic limit switches
- Weight: About 1.5kg (different stroke/
retracted length with different weight)
- Static bending moment: lateral load are not allowed
- Flame retardant grade: UL94-HB

Usage

- Duty cycle: 10%, max 2 min continuous working and 18 min off
- Operating temperature: 5~40℃
- Storage temperature: -10~50℃
- Supporting controller: it can be matched with Jiechang standard controller.
- Relative humidity: 20% - 90% at 25 ℃, non condensing
- Atmospheric pressure: 700-1060hPa

Certification

- IEC60601-1:2012
- EN60601-1:2006+A12:2014
- ANSI/AAMI ES60601-1:2005(R) 2012 and A1:2012, C1:2009/(R) 2012 and A2:2010/(R) 2012

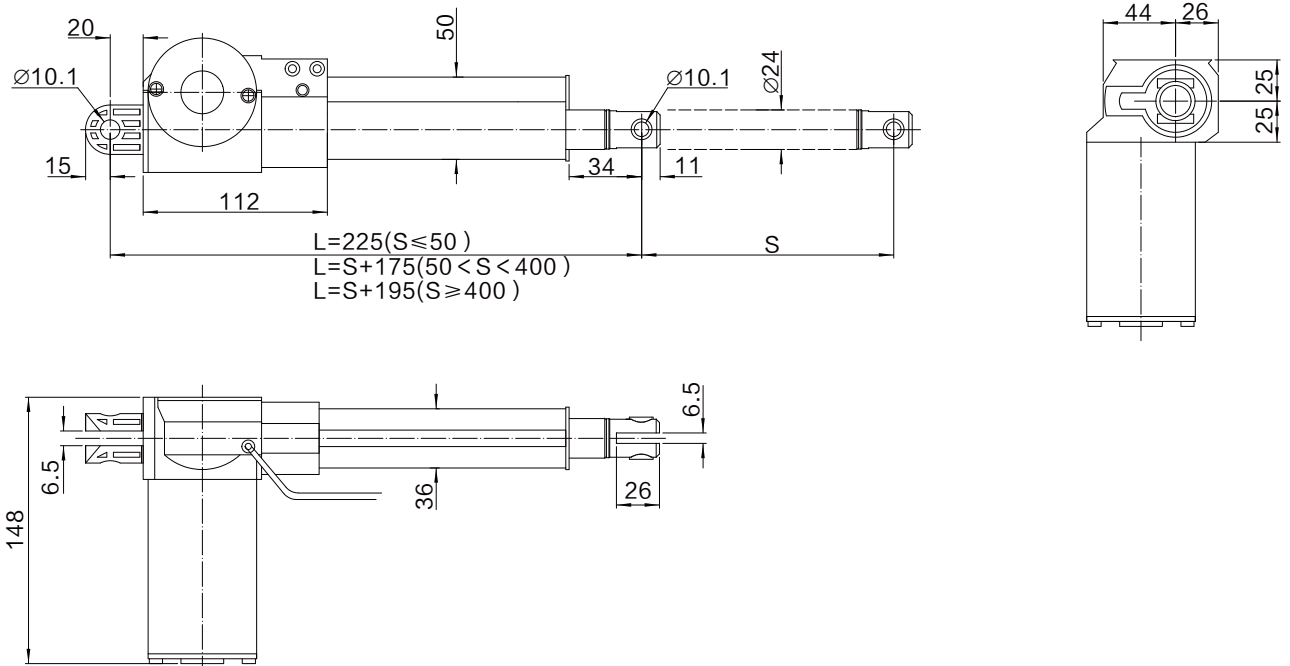
Technical parameters

Spindle pitch mm	Max. load push (N)	Max. load pull (N)	Self-lock (N)	Typical speed Unloaded (mm/s)	Typical speed full load (mm/s)	Typical Amp full load (A)
4	6000	4000	6000	4.5	3	4
5	4000	4000	4000	6	4	3.3
7.5	3000	3000	3000	9	6	3.3
5	2000	2000	2000	13	9	4
7.5	1500	1500	1500	20	13	4
12	1000	1000	1000	30	21	3.8
16	750	750	750	42	26	4.5

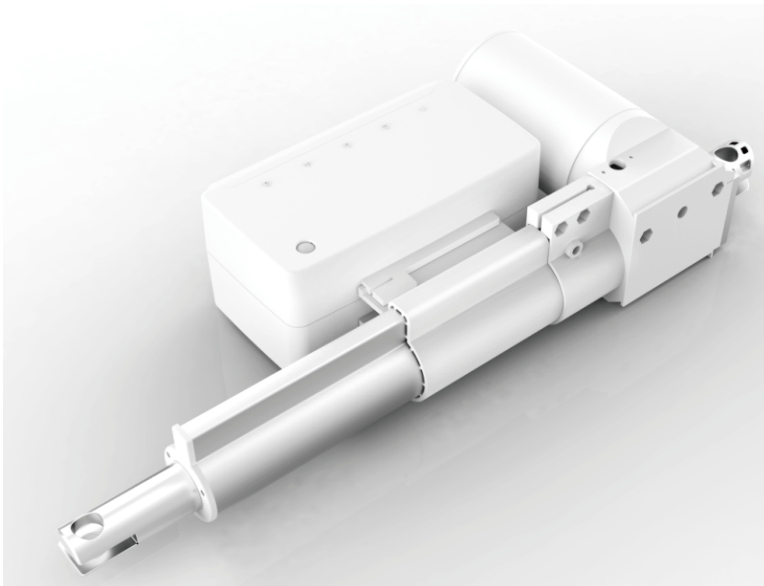
Ordering key

Model	JC35D	
Optional features	X	0=No optional function P= Only push no pull option Y= Hall sensor option R= Reed switch option PR= Reed switch + only push no pull option PY=Hall sensor+ only push no pull option
Load capacity	X	6=6000N 4=4000N 3=3000N 2=2000N 1D5=1500N 1=1000N 0D75=750N
Speed at full load		3=3mm/s 4=4mm/s 6=6mm/s 9=9mm/s 13=13mm/s 21=21mm/s 26=26mm/s
Input voltage	XX	24=24VDC
Stroke/Retracted length	XXX/XXX	Stroke length=XXX Retracted length=XXX
Clevis direction	X	H=H direction: the hole is perpendicular to the ground V=V direction: the hole is parallel to the ground
Actuator color	X	G=Gray (RAL7035) B=Black (RAL9005)
End clevis specification	X	D=End clevis number
End clevis material	X	L=Aluminium alloy
Top clevis specification	XX	05=F05: Groove width is 6.5, the depth is 26, and the bore diameter is ϕ 10.1 with ϕ 24 aluminum tube. 08=F08: inner tube opening 14.2, the distance between the hole and the end face is 17; add D inner tube top clevis bushing, aperture 10.1; add D inner tube top clevis sleeve (black) 09=F09: inner tube opening 14.2, the distance between the hole and the end face is 17; add D inner tube top clevis bushing, aperture 10.1; add D inner tube top clevis sleeve (white)
Brake specification	X	0=No brake 1=Left brake 2=Right brake
Plug and cable	XX	02=4-pin straight plug 2-pin straight line 10=5-pin straight plug 6-pin straight line
Cable length	XXX	2D0=2m 0D5=0.5m

Dimension



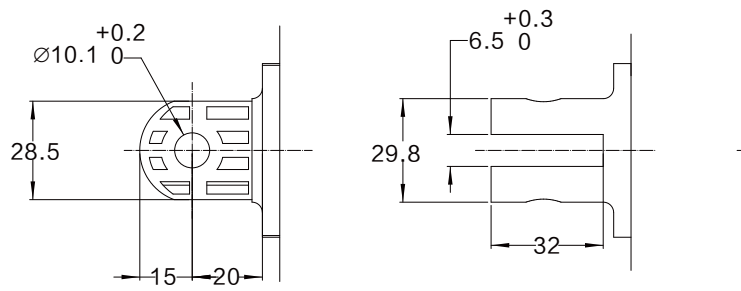
JC35D mounting with JCB35Q



Installation dimensions

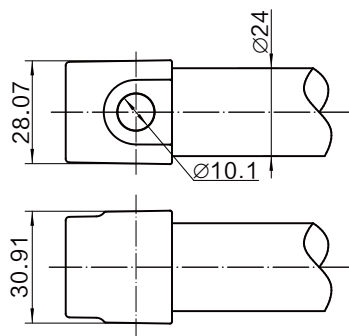
- $L=225(S \leq 50)$
- $L=S+175(50 < S < 400)$
- $L=S+195(S \geq 400)$

End clevis specification

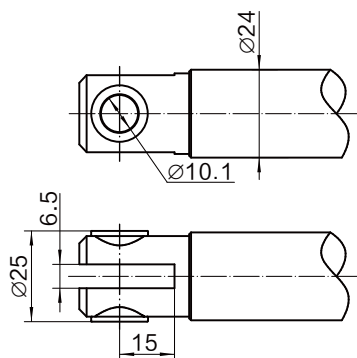


Top clevis specification

05= The groove width is 6.5, the depth is 26, and the bore diameter is $\phi 10.1$ with $\phi 24$ aluminum tube.



08,09= Inner tube opening 14.2, hole distance from end face is 17, adding D-type top clevis pad, hole diameter $\phi 10.1$ adding D-type inner tube top clevis.



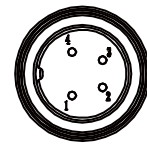
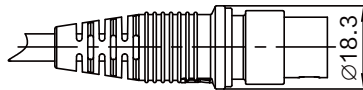
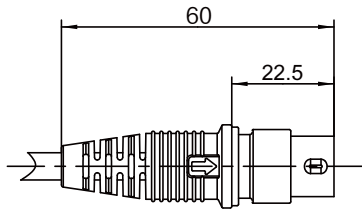
Motor cable: 4pin actuator plug (normal plug)
5pin actuator plug (hall sensor)

1=4pin actuator plug

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



4pin actuator plug (normal plug)		
pin	pin color	function
1	NC	not connected
2	brown	when positive voltage power on, actuator go down
3	blue	when positive voltage power on, actuator go up
4	NC	not connected
outer circle	NC	not connected



2=5pin actuator straight plug

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



5pin actuator straight plug (double hall sensor actuators)		
pin	color	function
1	red	5V
2	brown	when positive voltage power on, actuator go down
3	black	GND
4	blue	when positive voltage power on, actuator go up
5	yellow	hall signal 1
outer circle	orange	hall signal 2

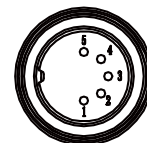
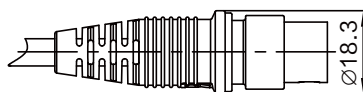
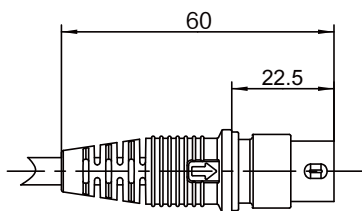


Diagram of curves

