



LINEAR ACTUATOR

JC35L22

JC35L22 Linear Actuator

1. JC35L22 is a cost-effective linear actuator. JC35L22 is characterized by faster load speed, higher IP grade and lower noise;

2. It can be widely used in hospital bed, nursing bed and etc.



Stock Code: JC35L22-6-2.6-29-100-275-4s-H-G
JC35L22-6-2.6-29-150-325-4s-H-G
JC35L22-6-2.6-29-200-375-4S-H-G

Features And Options

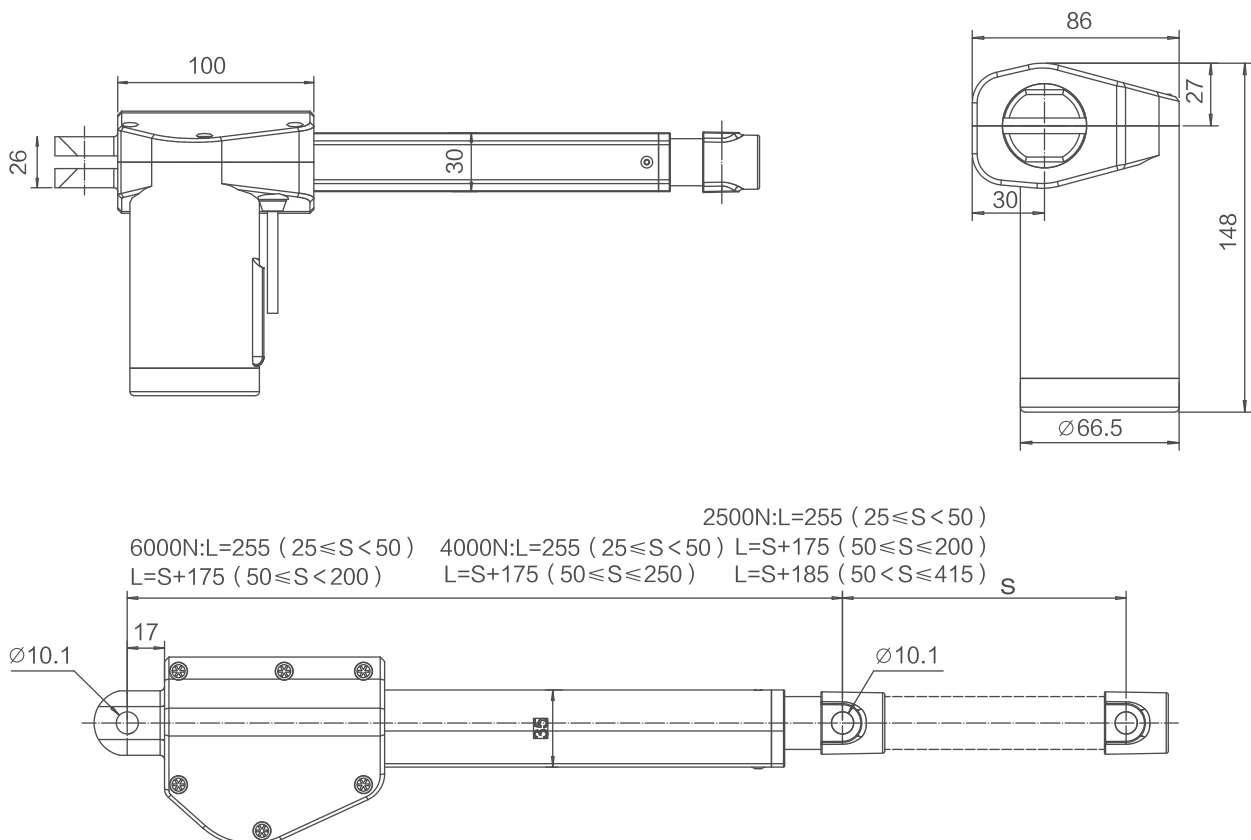
Dynamic load push(N):	6000N 4000N 2500N
Dynamic load pull (N):	4000N 2000N
Colour:	Gray
IP Grade:	Max. IP66 (Hand crank: IP20)
Stroke Length:	Standard: 6000N: 25-200mm (in steps of 4mm) 4000N: 25-250mm (in steps of 4mm) 2500N: 200-415mm (in steps of 4mm) Hand Crank: 6000N: 50-200mm (in steps of 4mm) 4000N: 50-250mm (in steps of 4mm)
Installation Dimensions:	Standard: 6000N: L=255 (25 ≤ S < 50) / L=S+175 (50 ≤ S < 200) 4000N: L=255 (25 ≤ S < 50) / L=S+175 (50 ≤ S ≤ 250) 2500N(Long stroke, only used in heli-helical applications): L=225 (25 ≤ S < 50) / L=S+175 (50 ≤ S < 200) / L=S+185 (200 ≤ S ≤ 415) Hand crank: 6000N: L=255 (25 ≤ S < 50) / L=S+175 (50 ≤ S < 200) 4000N: L=255 (25 ≤ S < 50) / L=S+175 (50 ≤ S ≤ 250)
Optional:	Hand crank Double hall sensor Only push no pull
Limit Switch:	Built-in (electrical)
Noise Level:	≤ 48dB(environmental noise ≤ 40dB)
Static bending moment:	Lateral load is not allowed
Approval:	Standard: 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 Hand crank:/

Usage

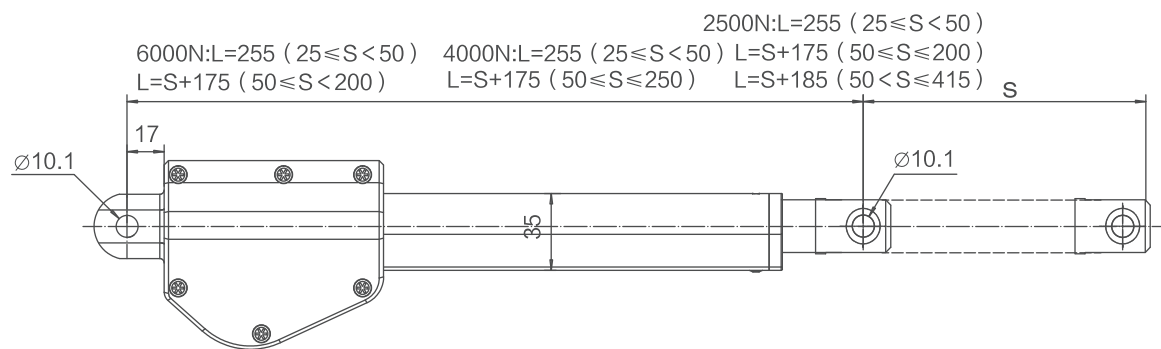
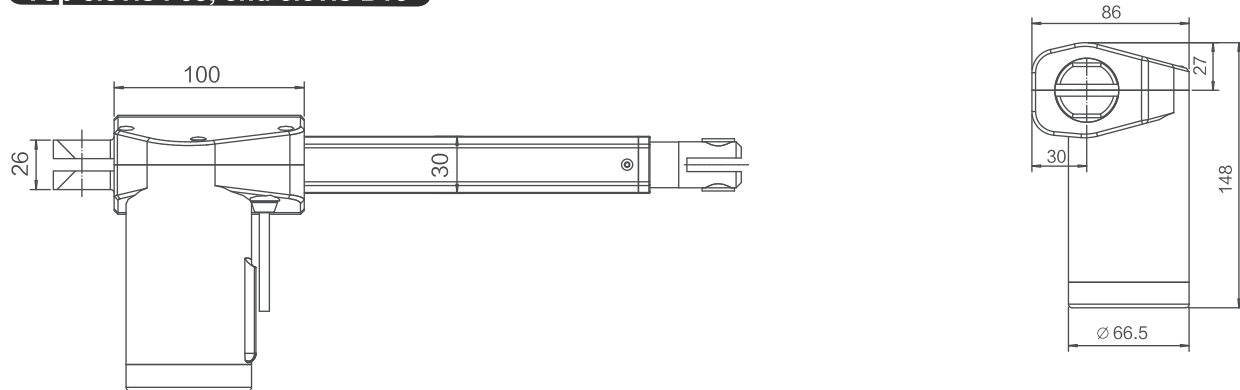
Duty Cycle:	10%, max. 2min.continuous working and 18 min.off
Operating Temperature:	+5°C to +40°C
Reserve Temperature:	-10°C to +50°C
Supporting Control Box:	match with JIECANG control box.
Relative Humidity:	20% to 90% at 30°C, non-condensing
Atmospheric Pressure:	700 to1060hPa

Dimension drawing

Top clevis F16, end clevis B10

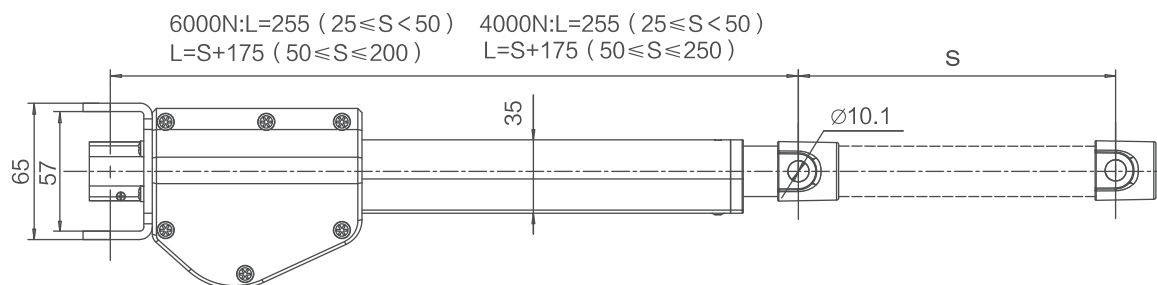
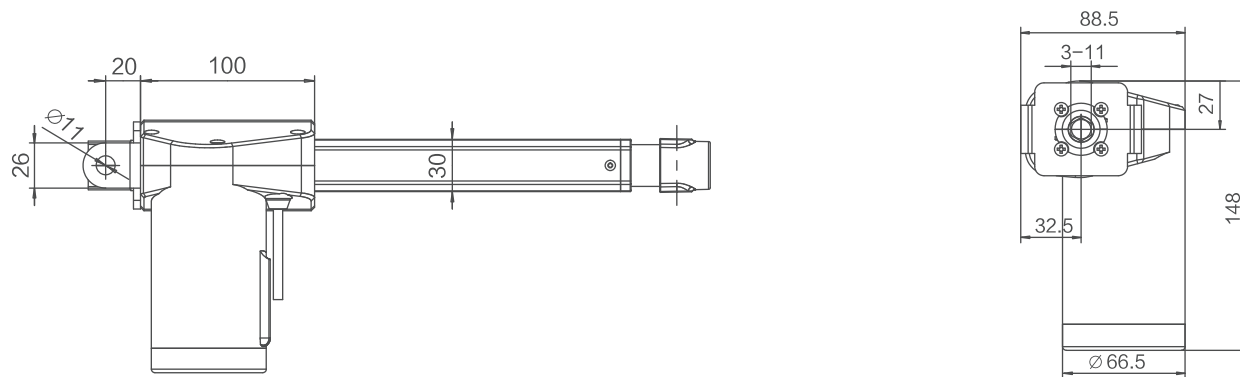


Top clevis F05, end clevis B10

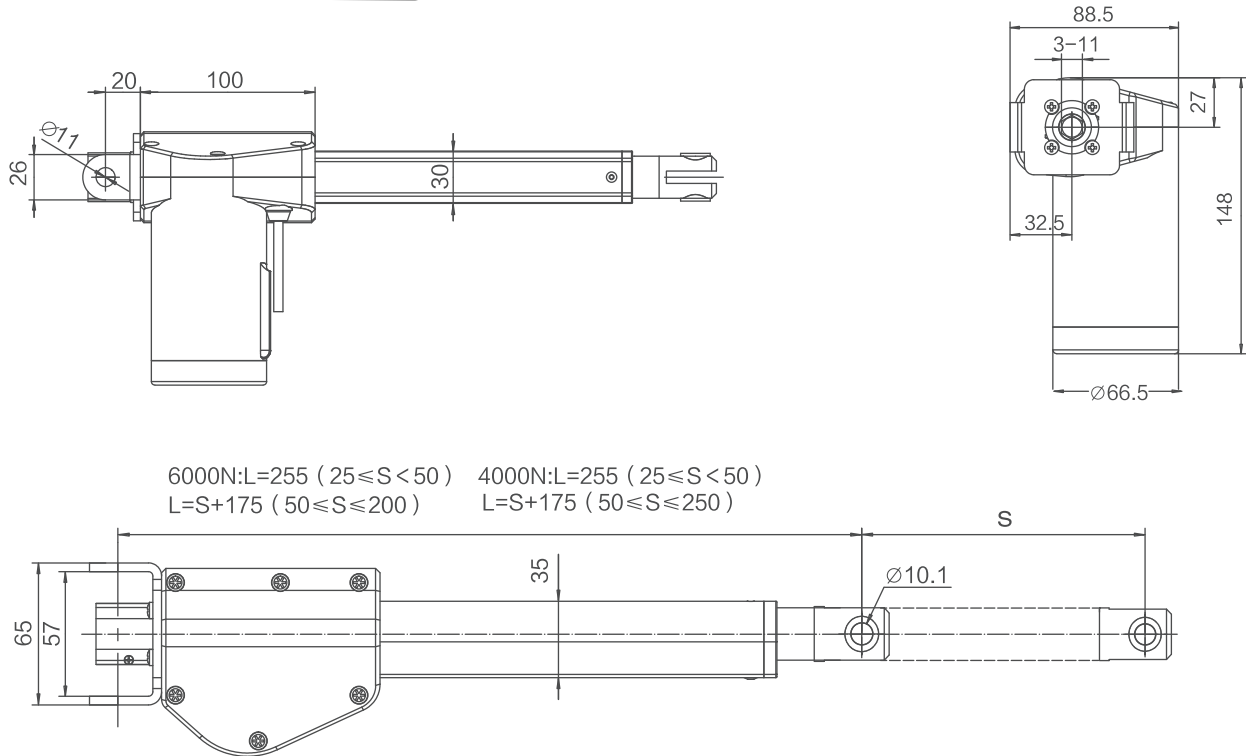


Hand crank

Top clevis F16, end clevis B44



Top clevis F05, end clevis B44



Technical Data-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)
29	3	6000	4000	6000	4.3/2.6	≤4.2
	2.5	6000	4000	6000	7.7/3.8	≤5.5
	2.5	4000	4000	4000	10/7	≤5.0
	4.0	4000	4000	4000	6/4	≤5.0
	2.5	2500	2500	2500	15.5/8.5	≤5.0

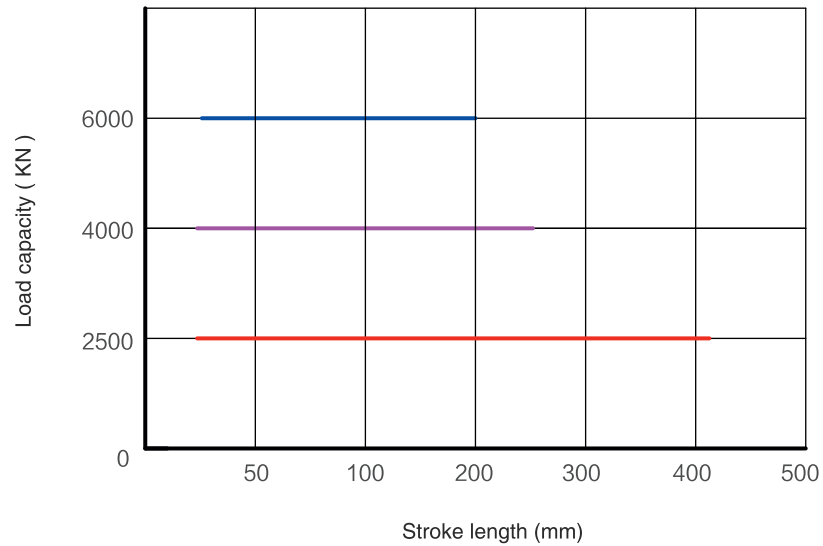
Remarks: It can achieve better self-locking ability with Jiechang control box;
The above data is the standard value of the test data (inspection specification) at room temperature of 25°C.

Ordering Example

Take **JC35L22062D629100/275HG10S160021D5** for example

Model	JC35L22	
Optional features	X	O=Standard P=Only push no pull Y=Hall sensor H=Hand crank
Load in push	X	6=6000N 4=4000N 2D5=2500N
Speed at full load	X	2D6=2.6mm/s 3D8=3.8mm/s 4=4mm/s 6=6mm/s 7=7mm/s 8D5=8.5mm/s
Input voltage	XX	29=29VDC
Stroke length/ Installation dimension	XXX/XXX	Stroke length=XXX Installation dimensions =XXX
Clevis directions	X	H=H direction V=V direction
Color	X	G=Gray
End clevis specification	X	B10 ;slot 6.5, depth 32, hole 10.1 B44 ;slot 57, hole 11
End clevis material	X	S=Plastic G=Cast steel integrated (hand crank)
Top clevis specification	XXX	F16: Add JC35L22 plastic cushion cover, hole diameter 10.1; add JC35L22 cushion cover; add D inner tube front pull sleeve (white) F09: the hole on inner tube is 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 (gray) F05: slot 6.5, depth 26, hole 12.5, and the hole diameter of the head gasket is 10.1, and the steel top clevis
Brake specification	X	0=standard 2= brake in push
Type of plug and cable	XX	02=4-pin DIN plug 10=5 pin DIN plug
Cable length	XXX	2=2m 1D5=1.5m 1=1m

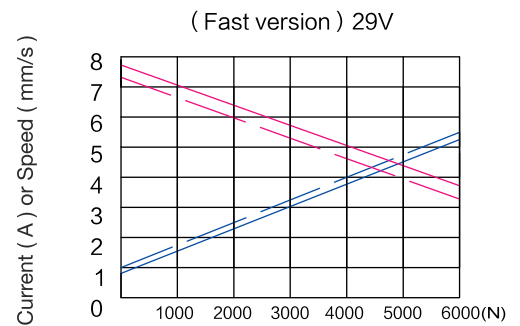
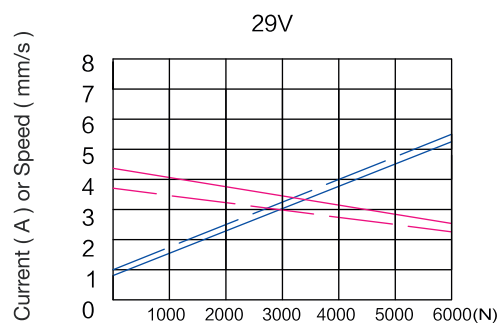
Diagram of relationship between stroke length and load



Characteristic Curve

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

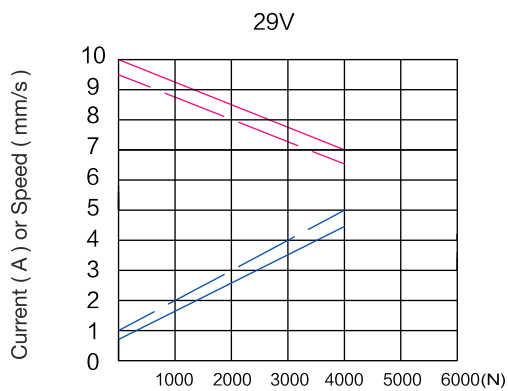
6000N



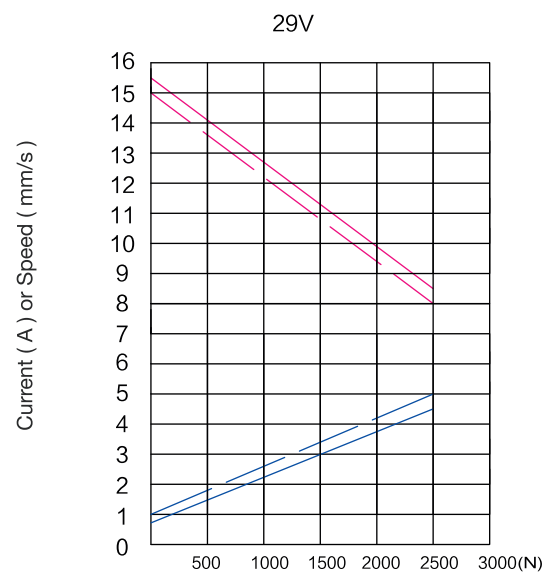
Characteristic Curve

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

4000N



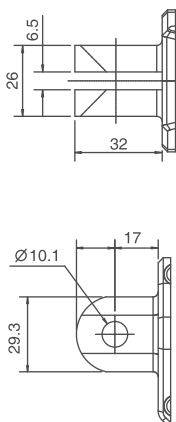
2500N



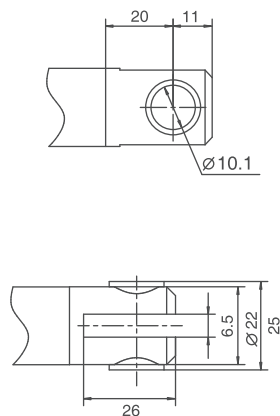
Ordering Details

Dimension drawing of clevis

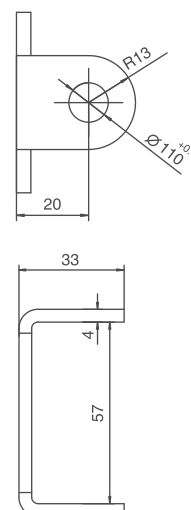
End clevis B10



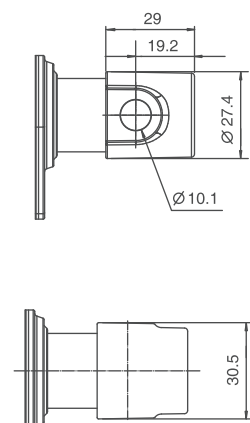
**Top clevis F05
(Hand crank)**



End clevis B44



Top clevis F16



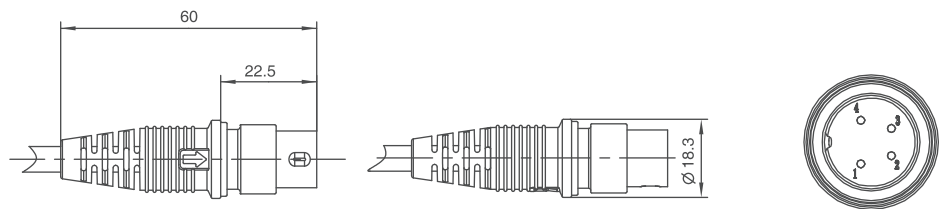
Motor cable

4-pin DIN plug (standard actuators)

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



Pin	Color	Functions
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

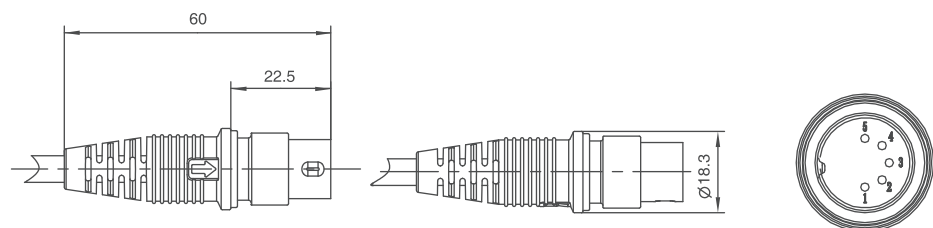


5 pin DIN plug

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





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