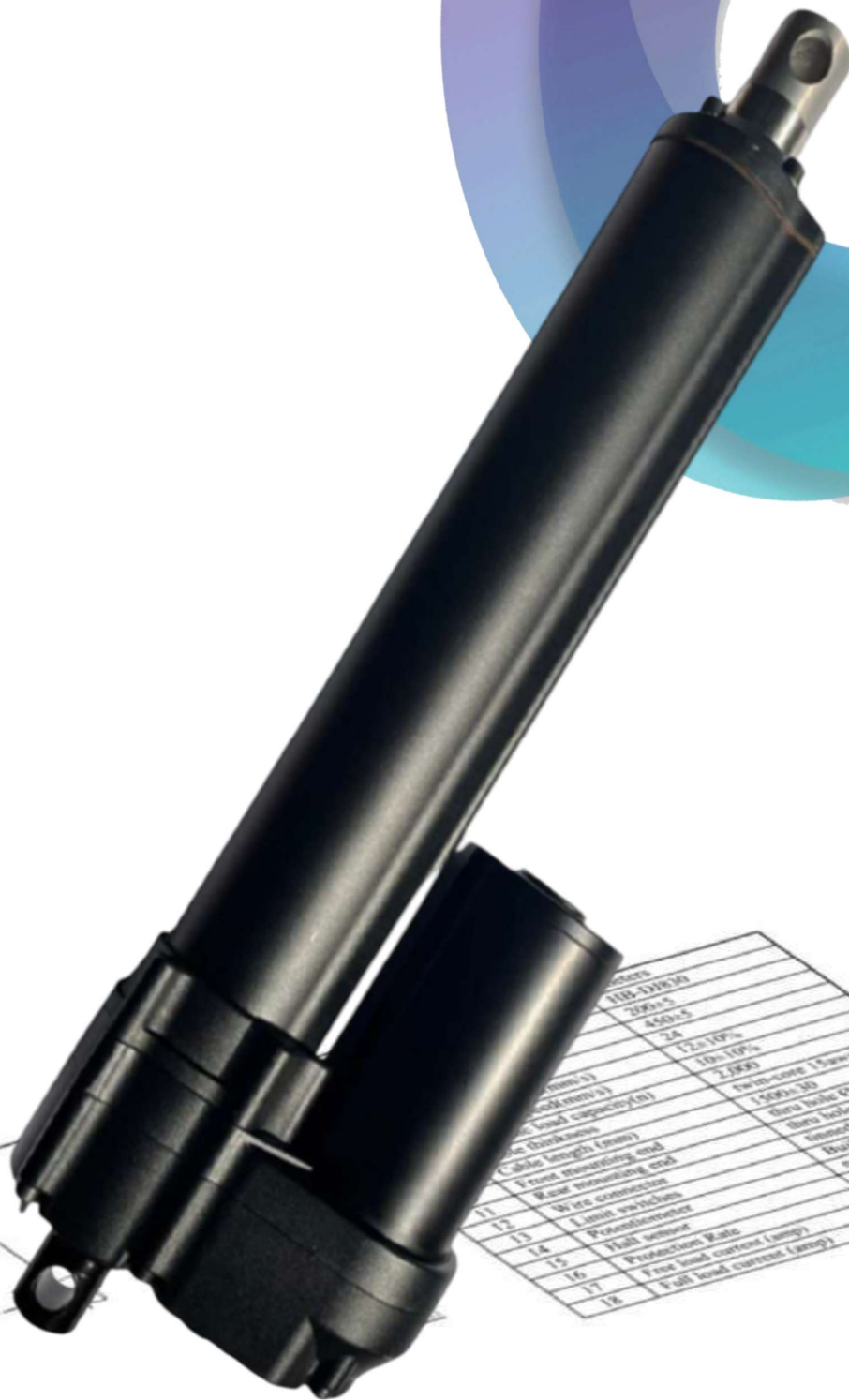
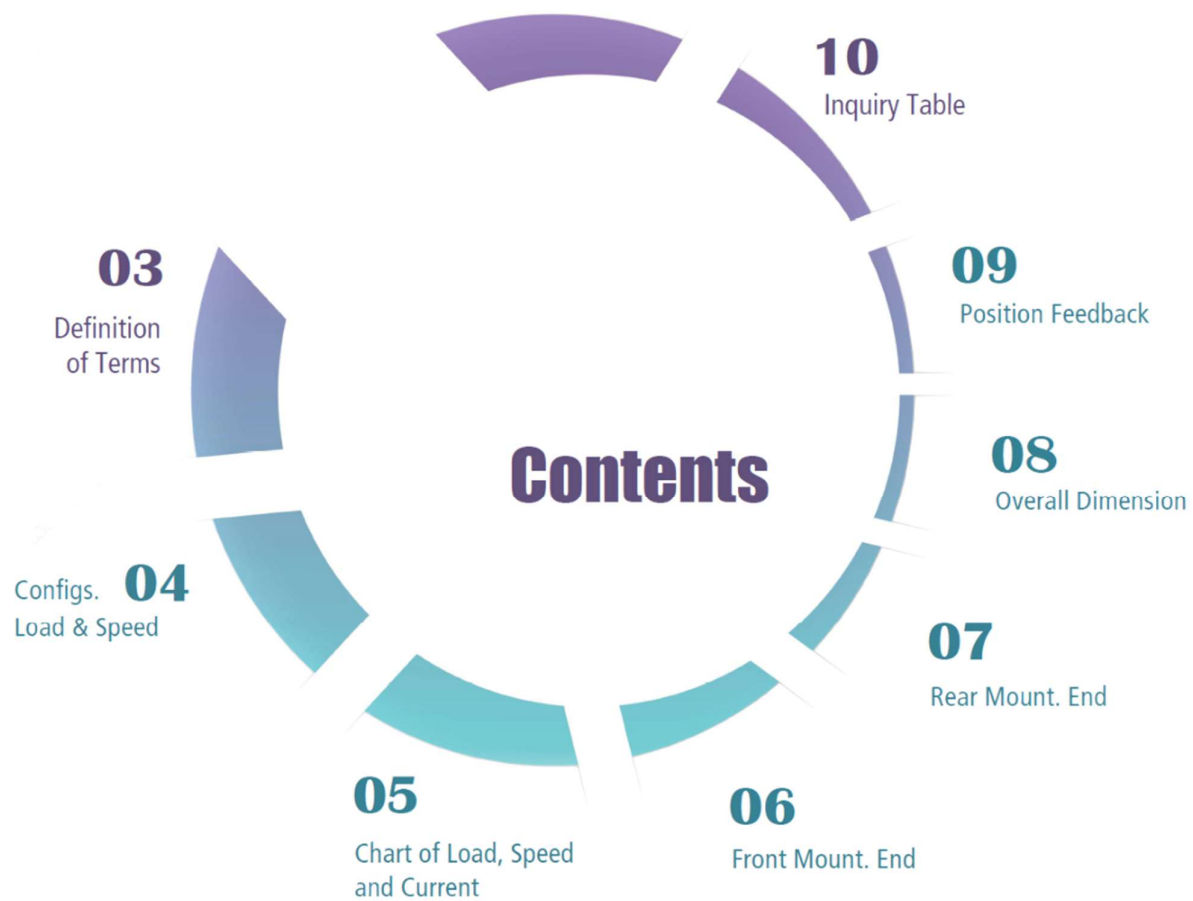


LINACT-33P

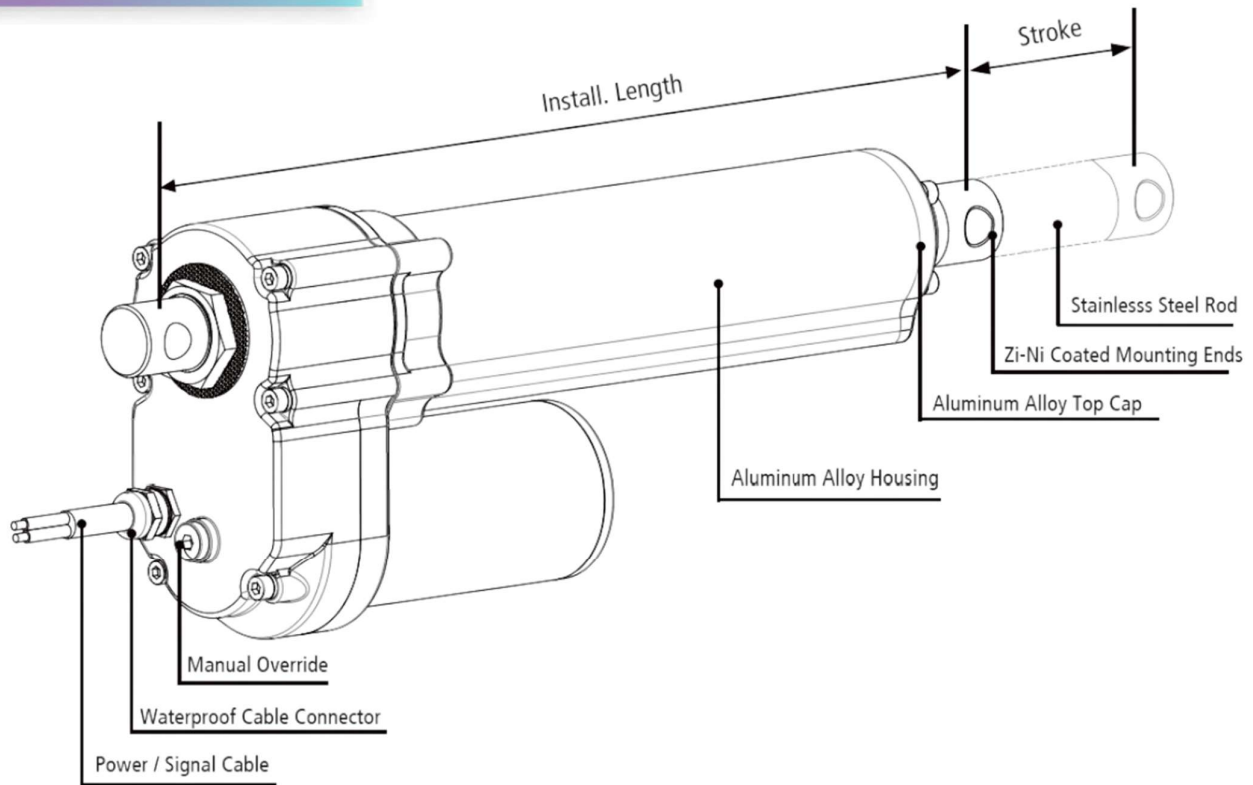
Data Sheet



11	Stroke (mm)	1000
12	Stroke (in)	39.37
13	Stroke (mm/s)	2000
14	Stroke (in/s)	78.74
15	Stroke (mm/s)	2000
16	Stroke (in/s)	78.74
17	Stroke (mm/s)	2000
18	Stroke (in/s)	78.74
19	Stroke (mm/s)	2000
20	Stroke (in/s)	78.74
21	Stroke (mm/s)	2000
22	Stroke (in/s)	78.74
23	Stroke (mm/s)	2000
24	Stroke (in/s)	78.74
25	Stroke (mm/s)	2000
26	Stroke (in/s)	78.74
27	Stroke (mm/s)	2000
28	Stroke (in/s)	78.74
29	Stroke (mm/s)	2000
30	Stroke (in/s)	78.74
31	Stroke (mm/s)	2000
32	Stroke (in/s)	78.74
33	Stroke (mm/s)	2000
34	Stroke (in/s)	78.74
35	Stroke (mm/s)	2000
36	Stroke (in/s)	78.74
37	Stroke (mm/s)	2000
38	Stroke (in/s)	78.74
39	Stroke (mm/s)	2000
40	Stroke (in/s)	78.74
41	Stroke (mm/s)	2000
42	Stroke (in/s)	78.74
43	Stroke (mm/s)	2000
44	Stroke (in/s)	78.74
45	Stroke (mm/s)	2000
46	Stroke (in/s)	78.74
47	Stroke (mm/s)	2000
48	Stroke (in/s)	78.74
49	Stroke (mm/s)	2000
50	Stroke (in/s)	78.74
51	Stroke (mm/s)	2000
52	Stroke (in/s)	78.74
53	Stroke (mm/s)	2000
54	Stroke (in/s)	78.74
55	Stroke (mm/s)	2000
56	Stroke (in/s)	78.74
57	Stroke (mm/s)	2000
58	Stroke (in/s)	78.74
59	Stroke (mm/s)	2000
60	Stroke (in/s)	78.74
61	Stroke (mm/s)	2000
62	Stroke (in/s)	78.74
63	Stroke (mm/s)	2000
64	Stroke (in/s)	78.74
65	Stroke (mm/s)	2000
66	Stroke (in/s)	78.74
67	Stroke (mm/s)	2000
68	Stroke (in/s)	78.74
69	Stroke (mm/s)	2000
70	Stroke (in/s)	78.74
71	Stroke (mm/s)	2000
72	Stroke (in/s)	78.74
73	Stroke (mm/s)	2000
74	Stroke (in/s)	78.74
75	Stroke (mm/s)	2000
76	Stroke (in/s)	78.74
77	Stroke (mm/s)	2000
78	Stroke (in/s)	78.74
79	Stroke (mm/s)	2000
80	Stroke (in/s)	78.74
81	Stroke (mm/s)	2000
82	Stroke (in/s)	78.74
83	Stroke (mm/s)	2000
84	Stroke (in/s)	78.74
85	Stroke (mm/s)	2000
86	Stroke (in/s)	78.74
87	Stroke (mm/s)	2000
88	Stroke (in/s)	78.74
89	Stroke (mm/s)	2000
90	Stroke (in/s)	78.74
91	Stroke (mm/s)	2000
92	Stroke (in/s)	78.74
93	Stroke (mm/s)	2000
94	Stroke (in/s)	78.74
95	Stroke (mm/s)	2000
96	Stroke (in/s)	78.74
97	Stroke (mm/s)	2000
98	Stroke (in/s)	78.74
99	Stroke (mm/s)	2000
100	Stroke (in/s)	78.74



Definition of Terms



Stroke	How far the rod extends outwards from the body. The difference between fully extended length and fully retracted length. [Customizable]
--------	---

Install. Length	The fully closed size. [Customizable]
-----------------	---------------------------------------

Front Mount. End	Optional.
------------------	-----------

Rear Mount. End	Optional.
-----------------	-----------

Mount. Holes	Can be rotated by 90°.
--------------	------------------------

Dynamic Force	The max force that actuator is able to carry when it is moving.
---------------	---

Selflocking	The max force that linear actuator is able to hold when it stops.
-------------	---

Weather Protection	IP XX. The first digit: dust protection. The second digit: liquid protection. Please refer to [Table 1].
--------------------	--

Duty Cycle	Continuous working time 'a', rest time 'b'. Duty cycle is $a/(a+b) \times 100\%$. Please refer to [Table 1].
------------	---

Speed	Include free-load speed and full-load speed.
-------	--

Hall Sensor	Provide pulse signals. Displacement measurement is achieved through pulse counting, and the phase difference of the waveform can be used to identify the rotation direction of motor. Check [Table 1] to see if it is available.
-------------	--

Potentiometer	Potentiometer is a three-terminal variable resistor with a rotating contact which is used to measure the displacement of actuators. Check [Table 1] to see if it is available.
---------------	--

Manual Override	Can be used to extend or retract the actuator without power for emergency. Check [Table 1] to see if it is available.
-----------------	---

Configs.

Color	☐ Silver	☒ Black	☐ Customized			
Lead Screw	☒ Acme Screw	☐ Ball Screw				
Operation Mode	☐ Electrical	☒ Electrical + Manual				
Application	☒ Industrial	☐ Furniture	☐ Medical			
Operational Temp.	☐ 5 to 40℃	☒ -10 to 65℃	☒ -40 to 65℃			
Operating Noise	☐ ≤45 dB	☐ ≤50 dB	☒ ≤65 dB			
Stroke Range	☒ 50-600mm	☒ 600-1,000mm				
Dynamic Load	☐ ≤1,200N	☐ ≤2,000N	☐ ≤4,000N	☒ ≤7,000N	☐ ≤12,000N	☐ ≤20,000N
Duty Cycle	☐ 10%	☐ 20%	☒ 25%*	☐ 50%	☐ 100%	
Motor Type	☒ Brushed DC	☐ Stepper Motor	☐ Brushless	☐ Servo Motor		
Overload Protection	☐ None	☒ Clutch	☐ Electronic	☐ Thermistor		
Weather Protection	☐ IP20	☐ IP43	☐ IP54	☒ IP65	☐ IP66	
Position Feedback	☒ None	☒ Endstop Signal	☒ Hall Sensor	☐ Potentiometer	☐ Encoder	☒ Reed Switches
Input Voltage	☒ 12VDC	☒ 24VDC	☒ 36VDC	☒ 48VDC	☐ 110VAC	☐ 220VAC

* Don't exceed four minutes continuous working at full load with 20℃.

☒ Options for LINACT-33P ☐ Other Models

[TABLE 1]

Parameters

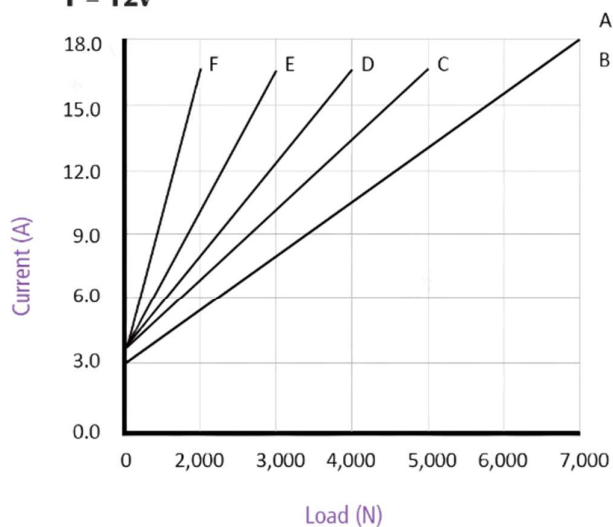
Code	Max. Dynamic Load ^②	Max. Self-locking	Reduction Ratio	Pitch	Speed±10% ^① (mm/s)		Max. Stroke ^③
	(N)	(N)	-	(mm)	Free Load	Full Load	(mm)
A	7,000	10,000	40:1	3.17	5.5	4.0	1,000
B	7,000	10,000	40:1	5	8.5	7.0	1,000
C	5,000	8,000	20:1	3.17	11.0	9.5	1,000
D	4,000	7,000	20:1	5	17.0	14.0	1,000
E	3,000	5,000	10:1	3.17	22.0	18.0	1,000
F	2,000	4,000	10:1	5	35.0	28.5	1,000

[Table 2]

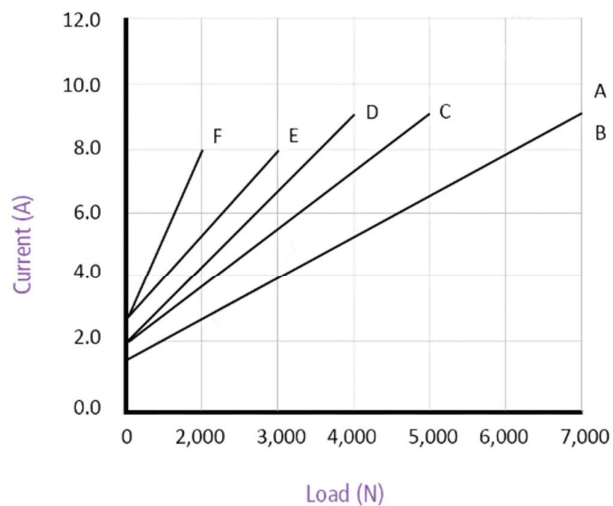
- ① Measurements are made with actuators in connection with stable power supplies and ambient temperature at 20℃.
- ② For example, when real load is 3900N, choosing code (D) is fine. Of course, you can also choose (C), or (B), (A) which come with more load buffer, higher safety factor and longer product service time.
- ③ There are many factors affecting the "customizable maximum stroke", such as load, speed, force direction, etc., so the real application scenarios should be considered. If the parameters you required are not listed, please contact our sales engineers.

Charts

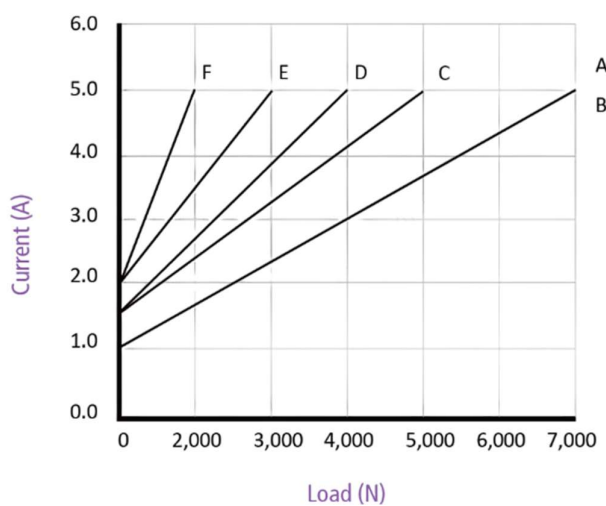
1 = 12v



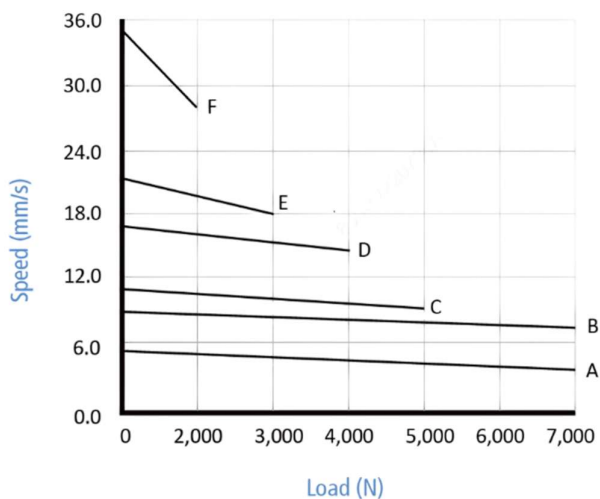
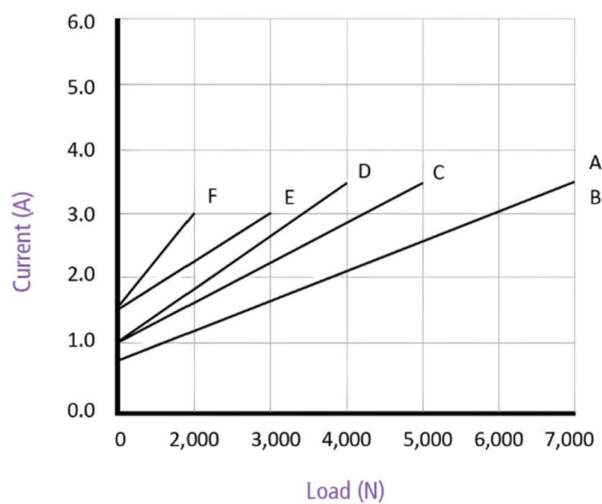
2 = 24v



3 = 36v



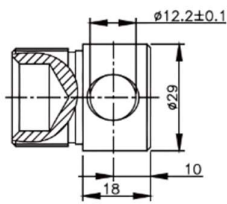
4 = 48v



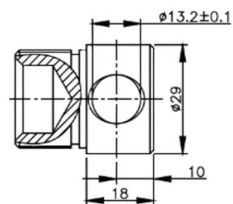
* Measurements are made with actuators in connection with stable power supplies and ambient temperature at 20°C.

Front Mounting End

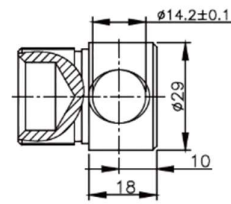
1. Please contact our sales team if none of the options below meet your requirements.



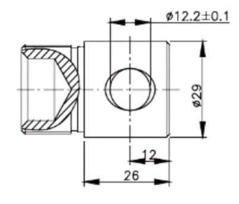
F01



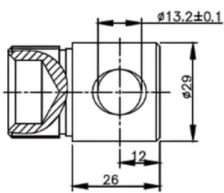
F02



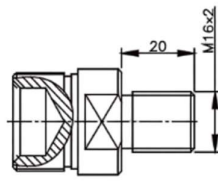
F03



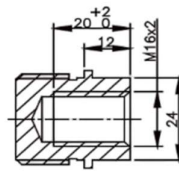
F04



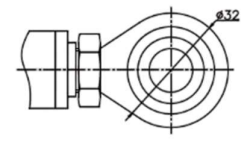
F05



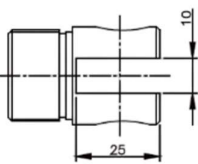
F06



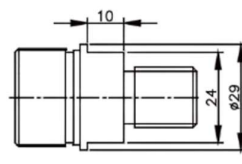
F07



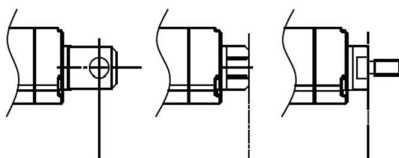
F08



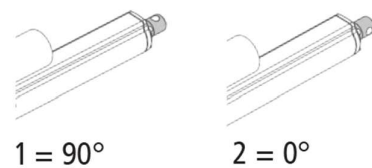
F09



2. Start of Installation Length



3. Hole Directions

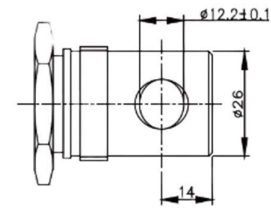


1 = 90°

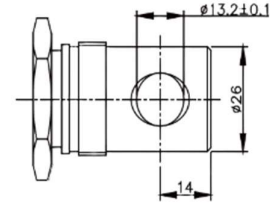
2 = 0°

Rear Mounting End

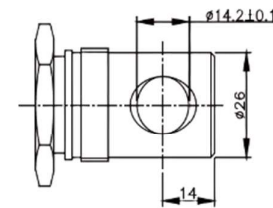
1. Please contact our sales team if none of the options below meet your requirements.



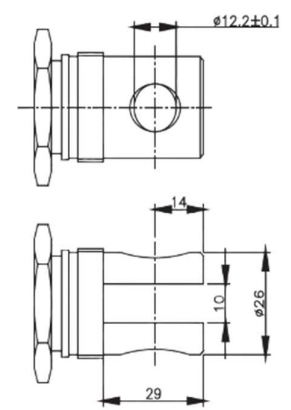
R01



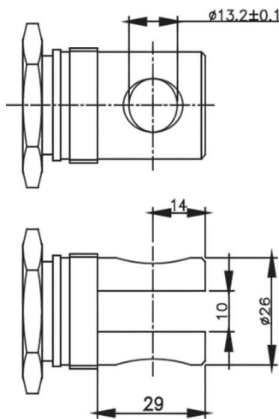
R02



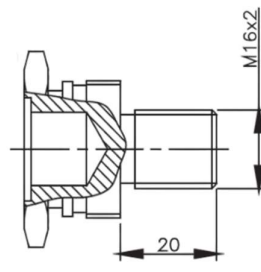
R03



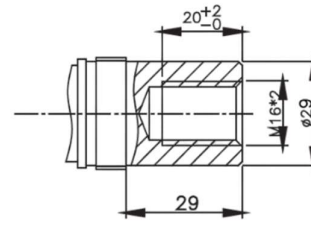
R04



R05

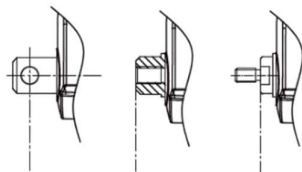


R06

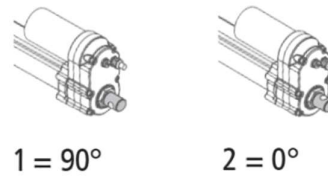


R07

2. End of Installation Length



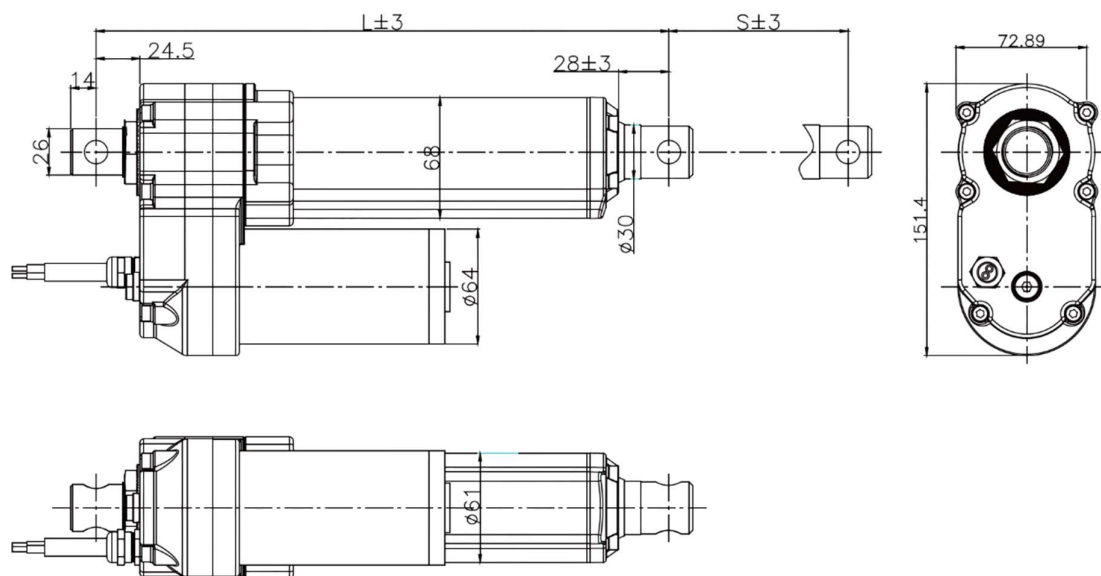
3. Hole Directions



1 = 90°

2 = 0°

Overall Dimension



A. Mounting Ends VS Install. Length

Front Mount. Ends	Rear Mount. Ends
	R01, R02, R03, R04, R05, R06, R07
F01, F02, F03, F04, F05, F06, F07	$A \geq S + 200 \text{ mm}$ (min. 250)
F08, F09	$A \geq S + 250 \text{ mm}$ (min. 280)

[Table 3]

B. Stroke VS Install. Length

Stroke (S) (mm)	Install. Length (L) (mm)
50 - 299	+ 0
300 - 599	+ 50
≥ 600	+ 100

[Table 4]

How to calculate 'Install. Length' ?

$S = \text{Stroke}$, $L = \text{Install Length}$, $L \geq A + B$

Example

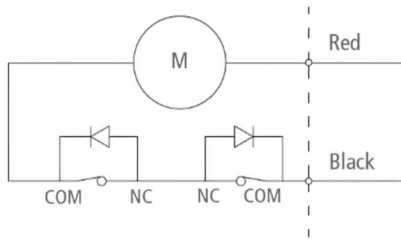
Front Mount.	Rear Mount.	S (mm)	A (mm)	B (mm)	$L \geq A+B$ (mm)
F08	R01	300	300+250	+50	≥ 600

[Table 5]

Signal Feedback

0. Standard Limit Switches without Signal feedback

Standard LA-33P comes with limit switches that shut off the motor automatically at the end of its travel.

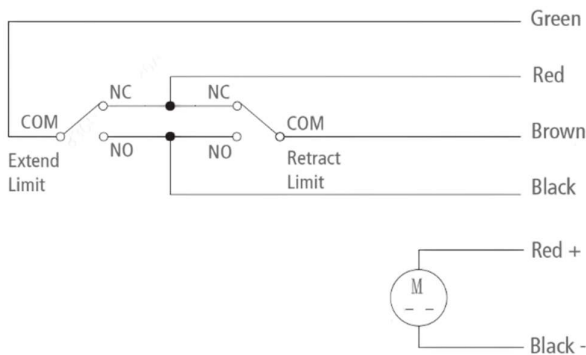


Wiring		
	Black	Red
Extend	-	+
Retract	+	-

[Table 6]

1. Endstop Signal

The actuator can be equipped with endstop signals output, but it will not auto-stop at neither end of the travel.



Power Wire Coding		
	Black	Red
Extend	-	+
Retract	+	-

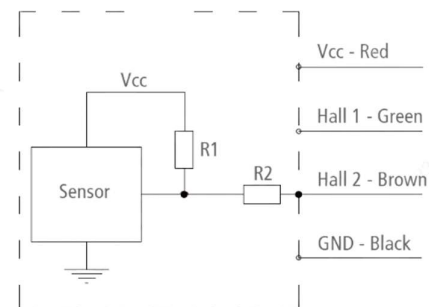
Signal Wire Coding	
Black	Extend / Retract limit, N.O.
Red	Extend / Retract limit, N.C.
Green	Extend limit. COM.
Brown	Retract limit. COM.

[Table 7]

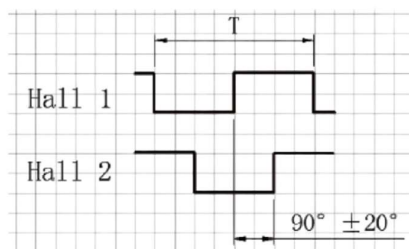
2. Hall Sensor (standard dual-sensor)

Code	Pulse Equivalent per Sensor (pulse/mm)	
A	4 pole pairs (standard)	50.0
B		32.0
C		25.2
D		16.0
E		12.6
F		8.0

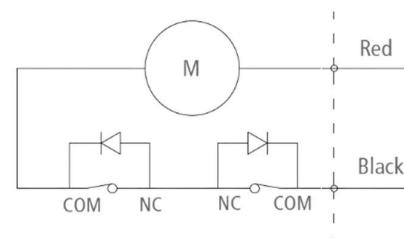
[Table 8]



* Power supply (V)= 5~15V



Oscillogram



3. Reed switch

NC Contact

Inquiry Table

	Voltage	1 = 12V	2 = 24V	3 = 36V	4 = 48V
	Load & Speed	See [Table 2]			
	Stroke (mm)	Please contact us if the stroke you required is out of range.			
	Install. Length (mm)	See Table [3] - [5]			
	Front Mount. End	F01 - F09, or FX = Custom			
	Rear Mount. End	R01 - R07, or RX = Custom			
	Mount. Hole Direction	Front 1 = 90° 2 = 0°	Rear 1 = 90° 2 = 0°		
	Signal Feedback	0 = None	1 = Endstop Signal	2 = Hall Sensor	3 = Reed Switches
	Signal Feedback	0 = None	1 = Endstop Signal	2 = Hall Sensor	3 = Reed Switches
	Cable Length	1 = 500 mm	2 = 1,000 mm	X = Custom	
	Connector	0 = Tinned bared wires	1 = Go with KZ control	X = Custom	
	Working Temperature	1 = -10 °C to 65 °C	2 = -40 °C to 65 °C		
Application	Working Frequency	Estimated cycles work per day			
	End Use	Indoor or outdoor, and please describe your end use.			
Your Contact	Company				
	Name				
	Tel.		Email		

Terms of Use

Due to our continuous improving of products, we reserve the right to change or modify our products without prior notice, at any time. Therefore, we cannot guarantee the correct and actual status of said information on its products. The user is responsible for determining suitability of products for specific application.

Contact us:

www.linact.co.za

E-mail: info@linact.co.za

WhatsApp: +2764 808 1830