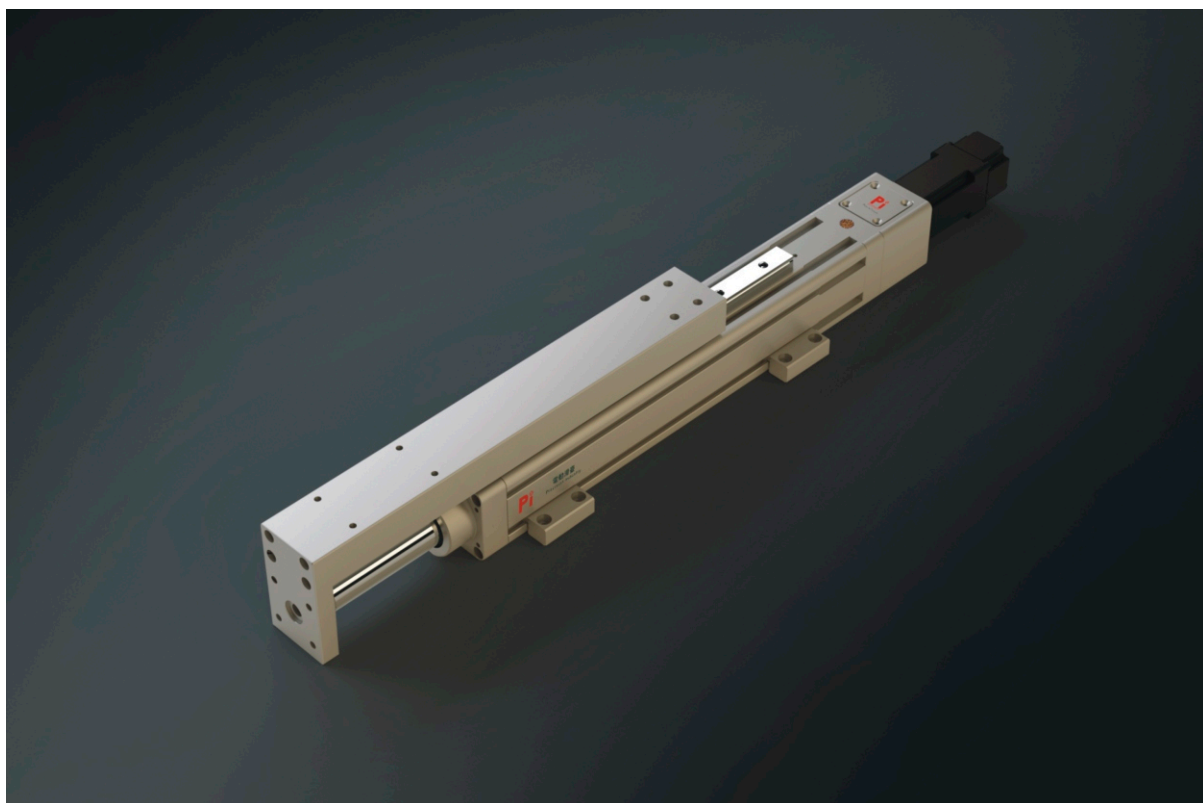


EC 50L

單軸/1-axis

電動缸
Rod Type Actuator



此圖僅供參考，出貨規格詳見尺寸圖面
The picture is just for the reference, Please check the the actual dimensions on the drawing.

最大行程
Maximum Stroke

500mm

最高速度
Maximum Speed

500mm/s

馬達容量
Motor Output

100W

滾珠螺桿
Ball Screw

ø12mm

直線滑軌
Linear Guide

15X9.5-1pcs

型號表示方式

Ordering Method

EC50L - L 5 - 100 - BC - M10 B - C 4 - 0001

本體型號
Model

螺桿廠牌
Ball Screw Brand

L 標準台制
T-Standard MIT

螺桿導程
Ball Screw Lead

5 5mm
10 10mm

行程 Stroke
50-500mm

馬達位置
Motor Position

BC 直結外露
BM 馬達下折
BL 馬達左折
BR 馬達右折

馬達廠牌、功率
Motor Brand, Power Output

P	松下	10	100W
T	台達		
M	三菱		

煞車 Brake

B 有煞車
With Brake

若無煞車則不表示

原點感應器
Home Sensor

外掛型 Out Side

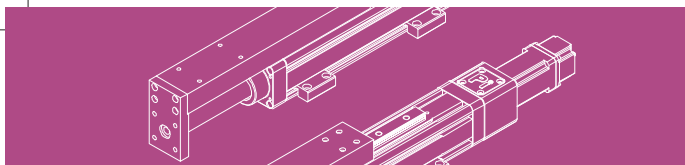
C 馬達側
Motor Side
D 反馬達側
Opposite Motor Side
E 無 NO SENSOR

特注式樣
Special Order No.

端點極限感應器
Limit Sensor

外掛型

3	1 祇 1pc
4	2 祇 2pc
5	無 No SENSOR



基本仕様 Specification

性能	位置重複精度 Repeatability (mm)	± 0.01	
	螺桿導程 Belt Lead (mm)	5	10
	最高速度 Maximum Speed (mm/s)	250	500
	最大可搬重量 Maximum Payload	水平使用 kg Horizontal (kg)	30
		垂直使用 kg Vertical (kg)	12
	定格推力 Rated Thrust (N)	341	170
部品	標準行程 Stroke Pitch (mm)	50~500mm/50間隔	
	AC伺服馬達容量 AC Servo Motor Output (W)	100W	
	滾珠螺桿外徑 Ball Screw ϕ (mm)	C7 $\phi 12$	
	聯軸器 Coupling (mm)	8X8	
原點感應器 Home Sensor	外掛 Out side	CS-6T	

※1 行程超過200時，會產生螺桿偏擺，此時請將速度調降。

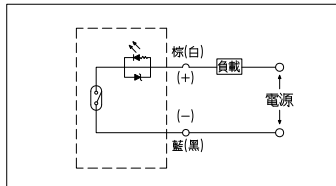
When the stroke is over 200mm, the run-out of the ballscrew will occur.
We recommend to low down the working speed under this circumstances.

※2 符合型錄規範的正常使用下，保證壽命為10000公里。

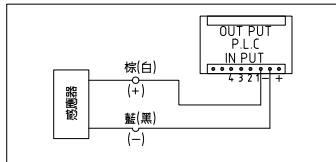
Operation life is 10,000km when the product is using under the specified vonditions.

感應器回路與接線圖

一般性負載：如繼電器或其它之電阻性負載

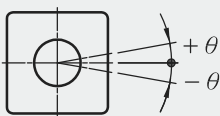


可程式控制器接線圖



防止迴轉精度 Anti-rotating Accuracy

出力桿的防止迴轉精度 Anti-rotating Accuracy of Rod



防止迴轉精度 θ Anti-rotating accuracy
$\pm 0.01^\circ$

※使用時請避免活塞桿承受迴轉扭力，因為有可能會造成防轉塊變形，導致自動開關反應異常，內部滑軌變形，進而造成增加作動阻抗。

※Avoid using the electric actuator in such a way that rotational torque would be applied to the piston rod.
This may cause deformation of the Anti-rotating guide, abnormal responses of the auto switch, play in the internal guide or an increase in the sliding resistance.

搭配伺服馬達一覽表 Suitable Motor Brand

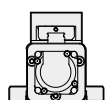
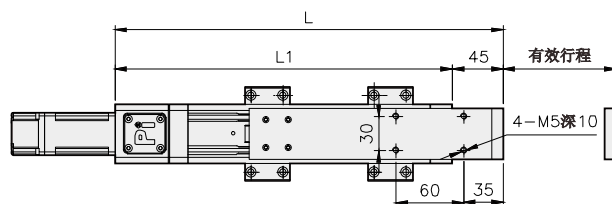
廠牌 Brand	馬達記號 Mark	煞車有無 Brake	馬達容量 Watt	電源電壓 (AC-Voltage)	伺服馬達型號 Motor Model	驅動器型號 Driver Model
三菱 Mitsubishi	M	無煞車(水平仕様) No Brake (Horizontal Type)	100	220	HG-KR13	MR-J4-10A
		有煞車(垂直仕様) With Brake (Vertical Type)	100	220	HG-KR13B	MR-J4-10A
松下 Panasonic	P	無煞車(水平仕様) No Brake (Horizontal Type)	100	220	MSMD012G1U	MADHT1505
		有煞車(垂直仕様) With Brake (Vertical Type)	100	220	MSMD012G1V	MADHT1505
台達 Delta	T	無煞車(水平仕様) No Brake (Horizontal Type)	100	220	ECMA-C20401ES	ASD-B20121-B
		有煞車(垂直仕様) With Brake (Vertical Type)	100	220	ECMA-C20401FS	ASD-B20121-B

EC 50L Series

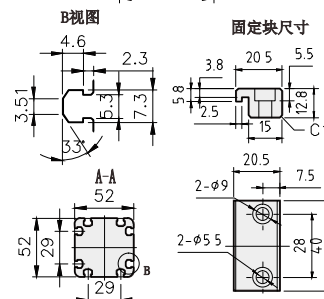
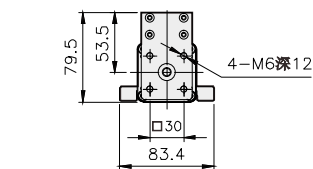
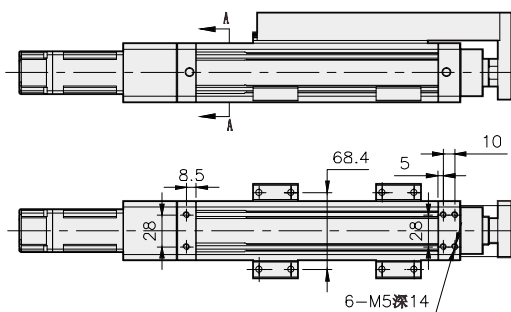
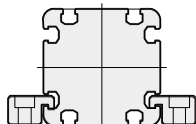
單軸/1-axis

馬達外露/馬達左折
Motor Exposed/Motor On Left Side

BC 馬達外露
Motor Exposed

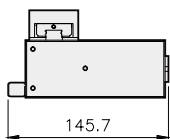
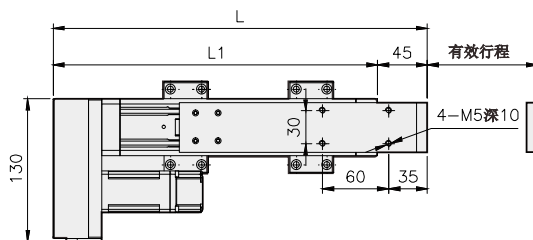


固定方式

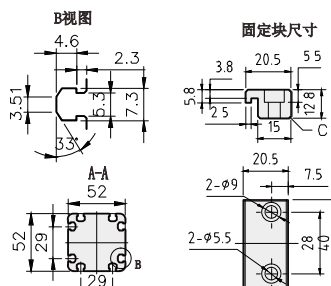
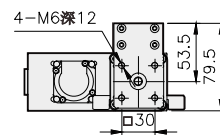
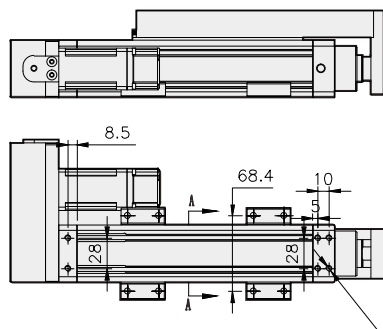
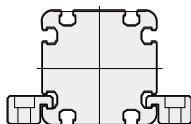


有效行程	50	100	150	200	250	300	350	400	450	500
L	294	344	394	444	494	544	594	644	694	744
L1	249	299	349	399	449	499	549	599	649	699
KG	2.76	3.16	3.56	3.96	4.35	4.75	5.15	5.55	5.95	6.35

BL 馬達左折
Motor On Left Side



固定方式



有效行程	50	100	150	200	250	300	350	400	450	500
L	290	340	390	440	490	540	590	640	690	740
L1	245	295	345	395	445	495	545	595	645	695
KG	2.79	3.15	3.51	3.86	4.22	4.58	4.94	5.30	5.66	6.02

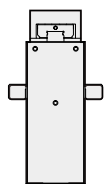
馬達下折/馬達右折

Motor On Lower Side/Motor On Right Side

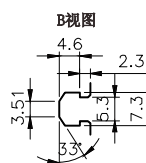
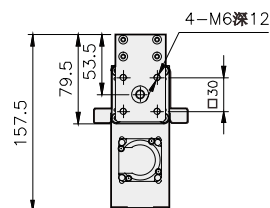
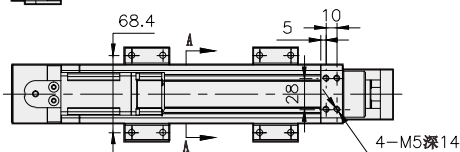
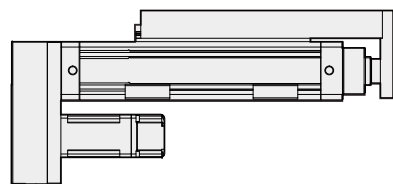
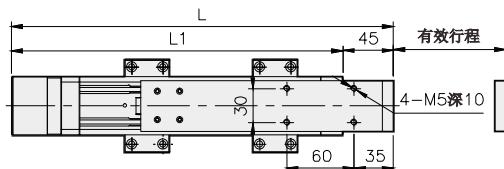
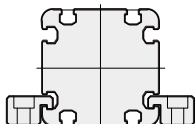
2017 綜合型錄



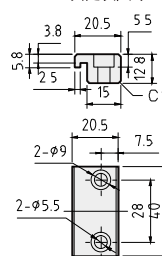
BM 馬達下折 Motor On Lower Side



固定方式

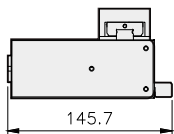


固定夾尺寸

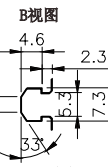
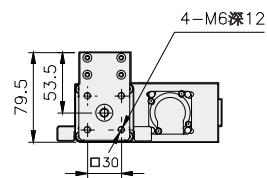
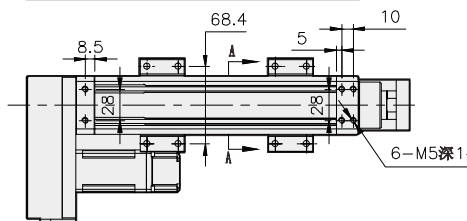
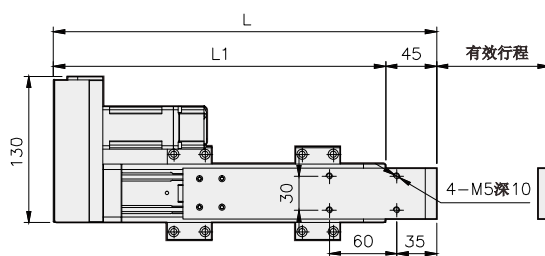
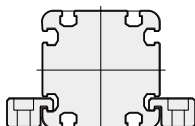


有效行程	50	100	150	200	250	300	350	400	450	500
L	290	340	390	440	490	540	590	640	690	740
L1	245	295	345	395	445	495	545	595	645	695
KG	2.79	3.15	3.51	3.86	4.22	4.58	4.94	5.30	5.66	6.02

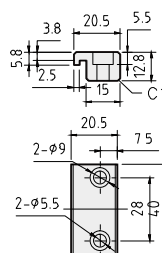
BR 馬達右折 Motor On Right Side



固定方式



固定夾尺寸



有效行程	50	100	150	200	250	300	350	400	450	500
L	290	340	390	440	490	540	590	640	690	740
L1	245	295	345	395	445	495	545	595	645	695
KG	2.79	3.15	3.51	3.86	4.22	4.58	4.94	5.30	5.66	6.02

產品資訊
Product

標準螺桿滑台GMH
一般環境

標準螺桿滑台RMH
一般環境

標準皮帶滑台RMP
一般環境

無塵螺桿滑台RMD
無塵環境

無塵皮帶滑台RMF
無塵環境

直線電機
LMH

歐規皮帶RM
一般環境

電動缸
EC

直交滑台
XYMH/XYMP

參考資料
Reference