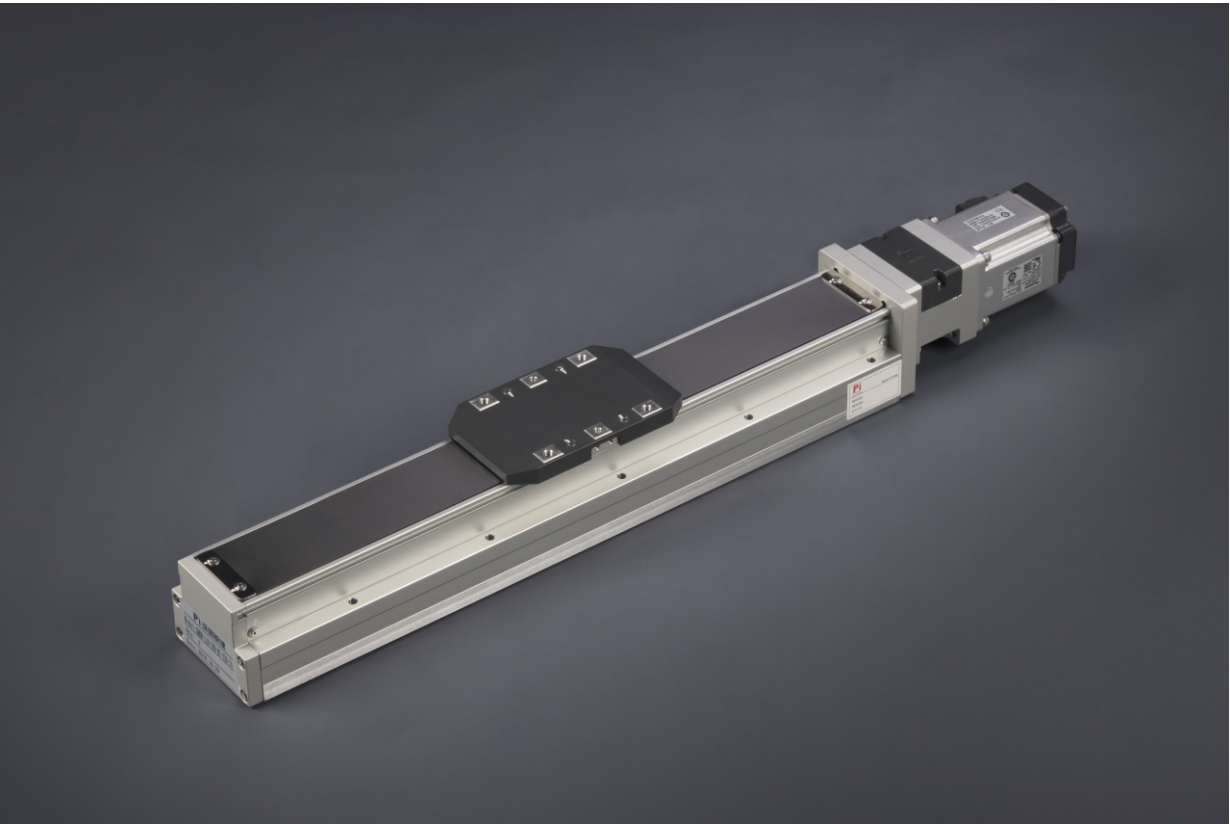
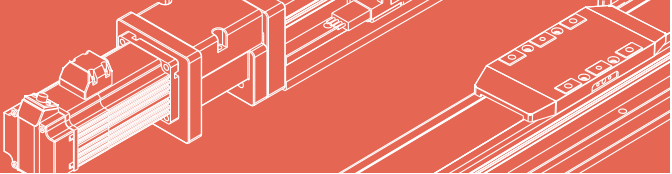




最大行程 Maximum Stroke 1050mm

最高速度 Maximum Speed 1000mm/s

馬達容量 Motor Output 200/400

滾珠螺桿 Ball Screw $\varnothing 16\text{mm}$

型號表示方式 Ordering Method

GRH8 - L10 - 100 - BC - M20B - C4 - 0001

本體型號 Model

行程 Stroke 50-1050mm 50間隔 50 mm Pitch

螺桿導程 Ball Screw Lead 5 5mm 10 10mm 20 20mm

馬達位置 Motor Position BC 馬達外露 Motor Exposed BM 馬達下折 Motor Bottom Side BL 馬達左折 Motor Left Side BR 馬達右折 Motor Right Side

馬達廠牌 Motor Brand M 三菱 Mitsubishi 05 - B P 松下 Panasonic 10 - Y 安川 Yaskawa 20 200W T 台達 Delta 40 400W

功率 Power Output

原點感應器 Home Sensor 外掛型 Out Side 3 1只 1 Pc 4 2只 2 Pc 無 SENSOR No Sensor 5 無 SENSOR No Sensor

端點極限感應器 Limit Sensor

特注式樣 Special Order No.

※選擇行程50時,有以下限制:
When the stroke is 50mm, the sensor installation has the following restrictions:
1. 原點與極限需放置於不同側。
Home sensor and limit sensor has to be installed on the different side of body.
2. 滑座左右兩側皆需安裝感應片。
Both sides of slider need to install the sensor trigger device.

基本仕様 Specification

性能	位置重複精度 Repeatability (mm)		±0.01		
	導程 Lead (mm)		5	10	20
	最高速度 Maximum Speed (mm/s)		250	500	1000
	最大可搬重量 Maximum Payload	水平使用 kg Horizontal (kg)	50	30	18
		垂直使用 kg Vertical (kg)	15	8	3
	定格推力 Rated Thrust (N)		683/1388	341/694	174/347
標準行程 Stroke Pitch (mm)		50-1050mm/50 間隔 50mm Pitch			
部品	AC伺服馬達容量 AC Servo Motor Output (w)		200/400		
	滾珠絲杆外徑 Ball Screw $\varnothing$ (mm)		C7 $\varnothing$ 16		
	連軸器 Coupling (mm)		10X14/11 (注1)		
	原點感應器 Home Sensor	外掛 Outside	EE-SX674(NPN)		

※行程超過750時,會產生螺桿偏擺,此時請將速度調降。 *馬達加減速設定0.2秒
*When the stroke is over 750mm, the run-out of the ballscrew will occur. *Acceleration and deceleration value is set 0.2 second.
We recommend to low down the working speed under this circumstances.
*注1:使用Panasonic 200W馬達時,馬達軸心為 $\varnothing 11$;其他廠牌,馬達軸心為 $\varnothing 14$ 。
*Motor (200W) Shaft Diameter: Panasonic: 11mm; Other: 14mm.

容許負載力距表 N.m Allowable Overhang

Diagram illustrating the horizontal installation of the bracket. Dimension A is the height of the bracket, B is the width of the base, and C is the depth of the bracket.

(單位Unit:mm)

水平安裝 Horizontal Installation	A	B	C
導程 5 Lead			
20kg	1560	153	237
35kg	890	81	126
50kg	550	53	82
10kg	1730	286	412
導程 10 Lead			
20kg	839	136	196
30kg	541	86	124
導程 20 Lead			
6kg	1213	403	493
9kg	800	264	323
18kg	592	194	238

Diagram illustrating the wall installation of the bracket. Dimension A is the height of the bracket, B is the width of the base, and C is the depth of the bracket.

(單位Unit:mm)

壁掛安裝 Wall Installation	A	B	C
導程 5 Lead			
20kg	214	153	1435
35kg	113	81	845
50kg	74	53	506
10kg	370	286	1400
導程 10 Lead			
20kg	176	136	800
30kg	112	86	495
導程 20 Lead			
6kg	444	403	760
9kg	292	264	277
18kg	214	194	544

Diagram illustrating the vertical installation of the bracket. Dimension A is the height of the bracket, and C is the depth of the bracket.

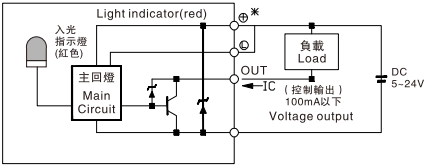
(單位Unit:mm)

垂直安裝 Vertical Installation	A	C
導程 5 Lead		
10kg	331	331
15kg	220	220
5kg	589	589
導程 10 Lead		
8kg	368	368
3kg	935	935
導程 20 Lead		
-	-	-
-	-	-

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 Watp	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)	200	220	HG-KR23	MR-J4-20A
		有煞車(垂直仕様) With Brake (Vertical Type)	200	220	HG-KR23B	MR-J4-20A
松下 Panasonic	P	無煞車(水平仕様) No Brake (Horizontal Type)	200	220	MHMD022G1U	MADHT1507
		有煞車(垂直仕様) With Brake (Vertical Type)	200	220	MHMD022G1V	MADHT1507
台達 Delta	T	無煞車(水平仕様) No Brake (Horizontal Type)	200	220	ECMA-C20602ES	ASD-B20221-B
		有煞車(垂直仕様) With Brake (Vertical Type)	200	220	ECMA-C20602FS	ASD-B20221-B

感應器接線圖 <原點及端點> Sensor Layout



靜態容許負載慣量 Static Loading Moment

(單位Unit:N.m)	
MY	318
MP	318
MR	626

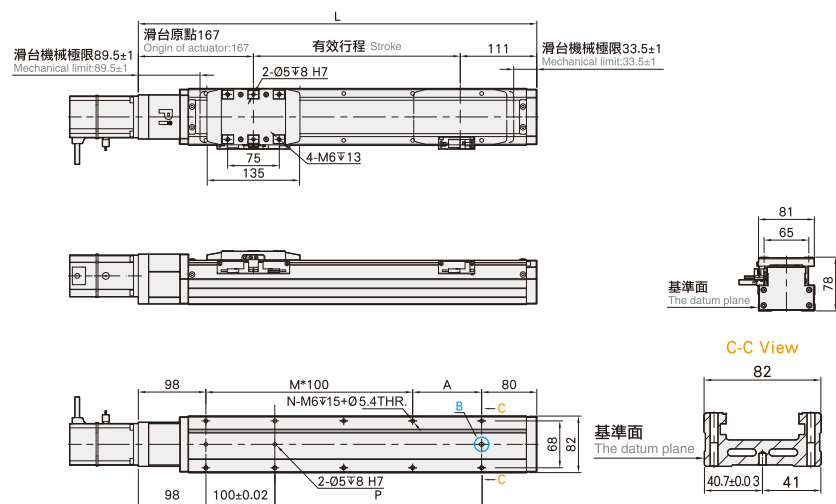
*力矩表所表示的數據,代表重心。
*The torque value in the chart indicate the center of gravity.
*符合型錄規範的正常情況下,保證壽命為10000公里。
*Operation life is 10,000km when the product is using under the specified conditions.
*倒吊使用無法套用標準規範,如有需求請洽詢我司業務。
*Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

馬達外露/馬達下折 Motor Exposed/Motor On Lower Side

2021綜合型錄

BC 馬達外露 Motor Exposed

單位 Unit:mm

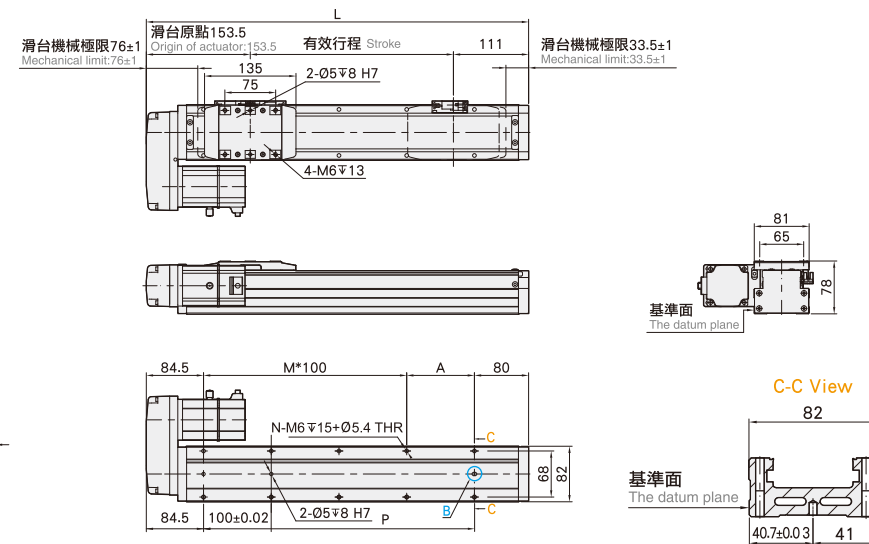


※行程 50 時，因本體上鎖式固定孔會被滑座遮住，僅能使用 4 支螺絲固定，建議客戶本體使用下鎖式固定孔鎖附。
When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix as a result, suggest that fixing actuator body from the bottom to the top.

有效行程 stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	328	378	428	478	528	578	628	678	728	778	828	878	928	978	1028	1078	1128	1178	1228	1278	1328
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
KG	3.01	3.35	3.69	4.03	4.37	4.71	5.05	5.39	5.73	6.07	6.41	6.75	7.09	7.43	7.77	8.11	8.45	0.79	9.13	9.47	9.81

BL 馬達左折 Motor On Left Side

單位 Unit:mm

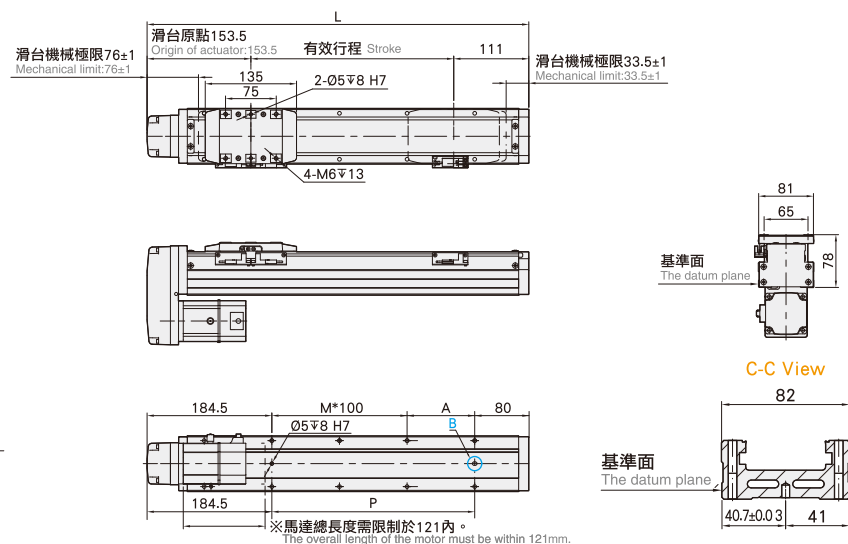


※行程 50 時，因本體上鎖式固定孔會被滑座遮住，僅能使用 4 支螺絲固定，建議客戶本體使用下鎖式固定孔鎖附。
When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix as a result, suggest that fixing actuator body from the bottom to the top.

有效行程 stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5	1214.5	1264.5	1314.5
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
KG	3.36	3.7	4.04	4.38	4.72	5.06	5.4	5.74	6.08	6.42	6.76	7.1	7.44	7.78	8.12	8.46	8.8	9.14	9.48	9.82	10.16

BM 馬達下折 Motor On Lower Side

單位 Unit:mm



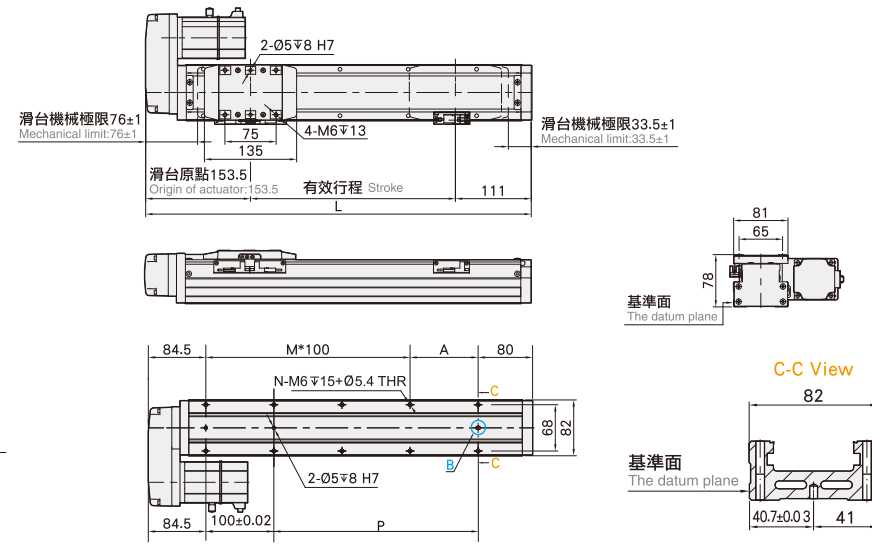
※行程 50 時，因本體上鎖式固定孔會被滑座遮住，僅能使用 4 支螺絲固定，建議客戶本體使用下鎖式固定孔鎖附。
When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix as a result, suggest that fixing actuator body from the bottom to the top.

有效行程 stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5	1214.5	1264.5	1314.5
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
KG	3.36	3.7	4.04	4.38	4.72	5.06	5.4	5.74	6.08	6.42	6.76	7.1	7.44	7.78	8.12	8.46	8.8	9.14	9.48	9.82	10.16

馬達下折時，若選用煞車馬達，或是超出馬達總長度限制時無法套用標準PIN孔，如有需求請洽我業務。
When motor with brake assembled on lower side, or the total length over than spec limit, it may not use standard pinhole. Please contact our sales department if you need more information & requirement.

BR 馬達右折 Motor On Right Side

單位 Unit:mm



※行程 50 時，因本體上鎖式固定孔會被滑座遮住，僅能使用 4 支螺絲固定，建議客戶本體使用下鎖式固定孔鎖附。
When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix as a result, suggest that fixing actuator body from the bottom to the top.

有效行程 stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5	1214.5	1264.5	1314.5
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
KG	3.36	3.7	4.04	4.38	4.72	5.06	5.4	5.74	6.08	6.42	6.76	7.1	7.44	7.78	8.12	8.46	8.8	9.14	9.48	9.82	10.16