

R060

皮帶滑台
Standard belt drive

A1

標準滑座
Standard slider



水平最大可搬重量
Horizontal Payload (kg)

10KG



高剛性滾珠線性滑軌
High Rigidity Linear Guide (mm)

24X1



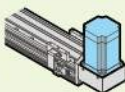
標準有效行程
Effective Stroke (mm)

50~800

馬達連結方向 Motor position

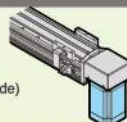
UM

上方型
Straight motor (Up side)



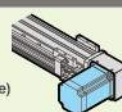
DM

下方型
Straight motor (Down side)



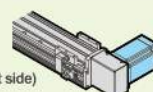
LM

左側型
Straight motor (Left side)



RM

右側型
Straight motor (Right side)



型號表示方式 Product code

型號 Model	皮帶型式 Belt Type	導程 Lead	馬達連結 Motor position	滑座規格 Slider type	有效行程 Stroke 間隔 Interval / 50mm	感測器數量 /方向 Sensor quantity	固定方式 Attachment method	馬達廠牌 Motor brand	瓦數 Wattage
R060	G5 5GT 時規皮帶 (標準品) 5GT Timing belt (standard item)	P80 80mm	馬達 Straight motor type	A1 標準滑座 Standard slider	Snnn nnn = 行程 nnn=Stroke 50~800mm	3L 光電 3 個 左側安裝 Photoelectric SensorX3 left side	U 上方安裝 溝槽安裝 Up/Slot installation	伺服馬達 Servo Motor	P 國際 Panasonic T 台達 Delta M 三菱 Mitsubishi L 士林 Shihlin Y 安川 Yaskawa D 東元 Teco S 三洋 Sanyo 例: P3= 國際 300W P3=Panasonic 300W
	P5 PU 鋼絲皮帶 PU Steel belt	P80 80mm	減速機 Straight gear reducer type			3R 光電 3 個 右側安裝 Photoelectric SensorX3 right side	N 下方安裝 溝槽安裝 Down/Slot installation		
			軸心 Input shaft type			NN 無光電及 檔片 No Photoelectric Sensor and No light interrupted plate	H 上下方安裝 溝槽安裝 Up/Down/Slot installation	步進馬達廠牌 Step Motor	
			US 上方型 Up			S 溝槽安裝 Slot installation		26 二相步進馬達 57 框 2-Phase step motor Frame size : 57	
			DS 下方型 Down					56 五相步進馬達 60 框 2-Phase step motor Frame size : 60	
			LS 左方型 Left					減速機 Gear reducer	
			RS 右方型 Right					S4 減速機 42 框 Gear reducer Frame size : 42	
								S6 減速機 60 框 Gear reducer Frame size : 60	
								1.特訂規格減速機 We accept made to order to gear reducer.	
								2.減速機另外報價 Quoted separately.	
								3.減速機另有馬達安裝面可供選擇 Motor mounting.	
								軸心入力 Input shaft type	
								NN 無搭配安裝面 No installation surface	

數值=基本導程(mm)
Value = basic lead (mm)

型號編寫範例 Example

Model	R060 - G5 - P80 - DM - A1 - S500 - 3L - H - P3								
M-Pro	型號 Model	皮帶型式 Belt type	導程 Lead	馬達連結 Motor position	滑座規格 Slider type	有效行程 Stroke	感測器數量/方向 Sensor quantity	固定方式 Attachment method	馬達廠牌/瓦數 Motor brand /Wattage

註 Note 1 如需滑台採購碼，請依選用的規格上網下載 / 查詢。

If a sliding table purchasing code is needed, download/query online in accordance with the chosen specifications.

註 Note 2 使用 Z 相原點復歸模式時，有效行程需扣除一個導程長度。

When using the Z-axis origin zeroing model, the lead length must be subtracted from the stroke.

註 Note 3 標準配件包含入力皮帶輪，感測器 X3，馬達安裝座(不含馬達，可自行提供或另外報價；不含減速機，另外報價)。

Standard accessories include power input pulley, sensor X3, motor mounting (excluding motor, can be self-provided or quoted separately; does include speed reducer, which is quoted separately).

規格性能 Specification

規格 Spec		驅動特性 Feature		時規皮帶 Belt		
位置重複精度 Repeatability(mm)		±0.04				
馬達規格 Specifications of motor		步進馬達 Step motor		伺服馬達 Servo motor		
		18 Kg-cm		400W		
減速機規格 Specifications of gear reducer		-		-	S6	S6
減速機比數 Ratio of the gear reducer		-		-	5	10
最終導程 Final lead(mm)		80		80	16	8
額定速度 Rated speed(mm/sec)		1200		2000	800	400
水平最大可搬重量(kg) 加/減速時間 200ms Horizontal maximum payload Acceleration/deceleration 200ms		5		2	6	10
標準行程 Stroke (mm)		間隔 Interval / 50mm		50~800		
部品零件 Parts						
皮帶寬度 Belt width(mm)		9				
高剛性線性滾珠滑軌 High rigidity linear guide(mm)		單軌 Single，寬度 Width 24mm				
調整座-軸承 Housing bearing		日製品 Made in Japan				
馬達連接方式 Motor linkage		直結皮帶輪或直結減速機 Connecting with pulley or gear reducer				
原點及極限感測器 Home sensor and limit		外側 Outside		PM-L65(NPN)		

註 Note 4 標準行程請參閱滑台索引頁。

Please refer to the sliding table's index page for standard travel.

註 Note 5 另有馬達二次傳動規格可供選擇，如需詳細資料請上網查詢或洽詢營業人員。

Motor secondary drive specification options are also available; please query online or consult sales.

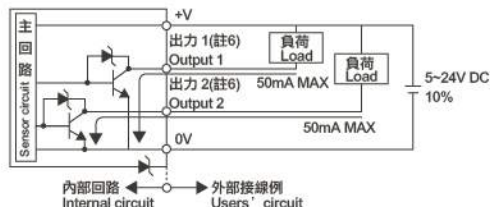
註 Note 6 可搬重量是搭載『P 廠牌 伺服馬達』為基礎計算，其他廠牌需參考原廠相關數據。

Calculations are based on a "P brand servo motor" that can move a weighted load; please refer to manufacturer data if another brand is used.

感應器接線圖 Sensor wiring diagram

入出力回路圖(NPN 出力 TYPE)端子式

I/O circuit diagram (NPN output type) with connector



註 Note 6 未使用到的出力端請務必做好絕緣。

Ensure to insulate the unused output wire.

註 Note 7 入光時紅色的 LED 燈會亮。

Under light received the red LED will light up.

感應器型號 Sensor type

PM-L65

出力動作 Output operation

出力1 入光時 ON(NC)

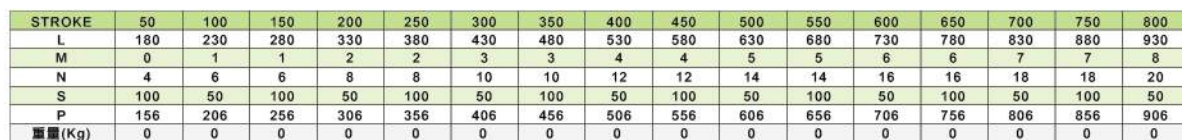
Output 1 Light ON(NC)

出力2 遮光時 ON(NO)

Output 2 Dark ON(NO)

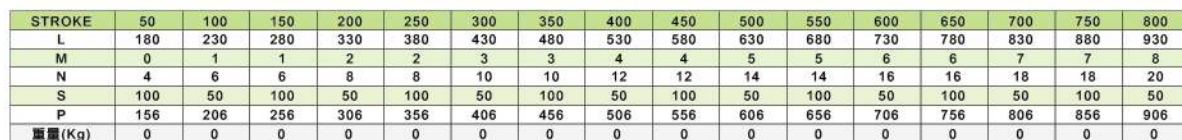


步進馬達 Step motor 57



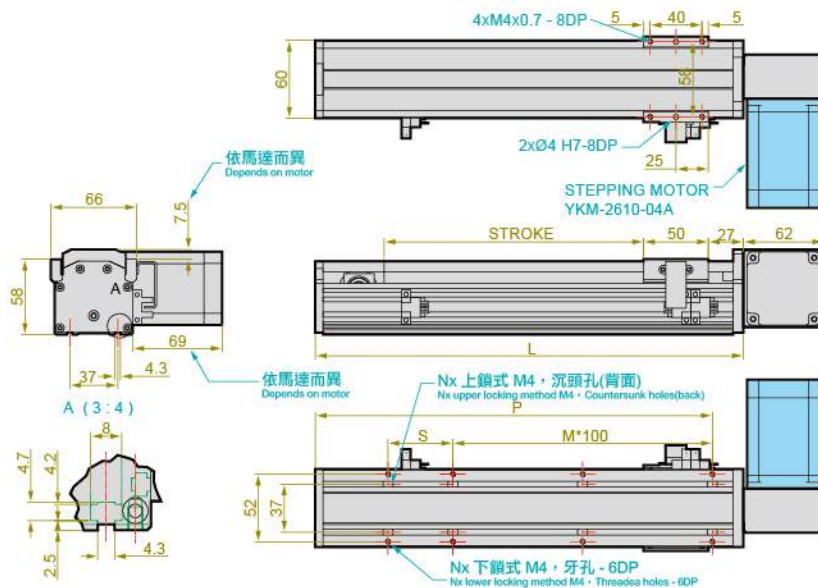
單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

伺服馬達 Servo motor 200/400W 步進馬達 Step motor 57



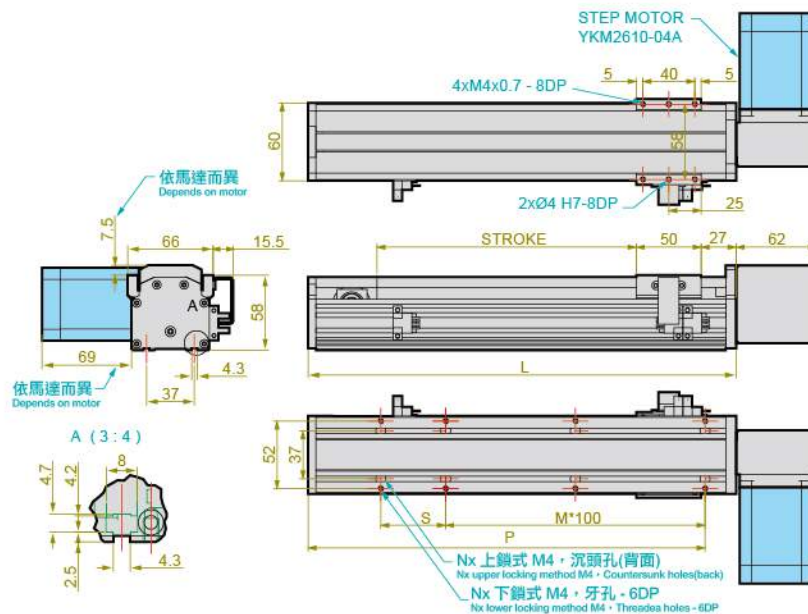
單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

伺服馬達 Servo motor 200/400W 步進馬達 Step motor 57

[illegible]

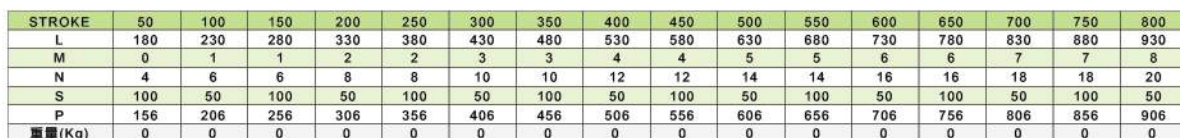
單位/Unit: mm 滑台重量不含馬達(誤差值 $\pm 10\%$)

伺服馬達 Servo motor 200/400W 步進馬達 Step motor 57

[illegible]

單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

伺服馬達 Servo motor 100W 減速機 Straight gear reducer S4



單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

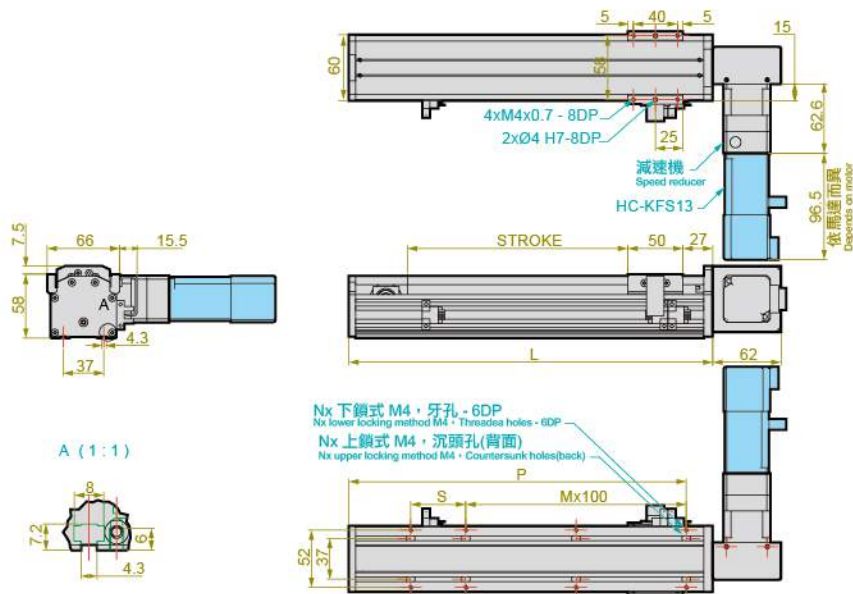
伺服馬達 Servo motor 100W 減速機 Straight gear reducer S4



單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

LG 減速機左側型 Straight gear reducer(Left side)

伺服馬達 Servo motor 100W 減速機 Straight gear reducer S4

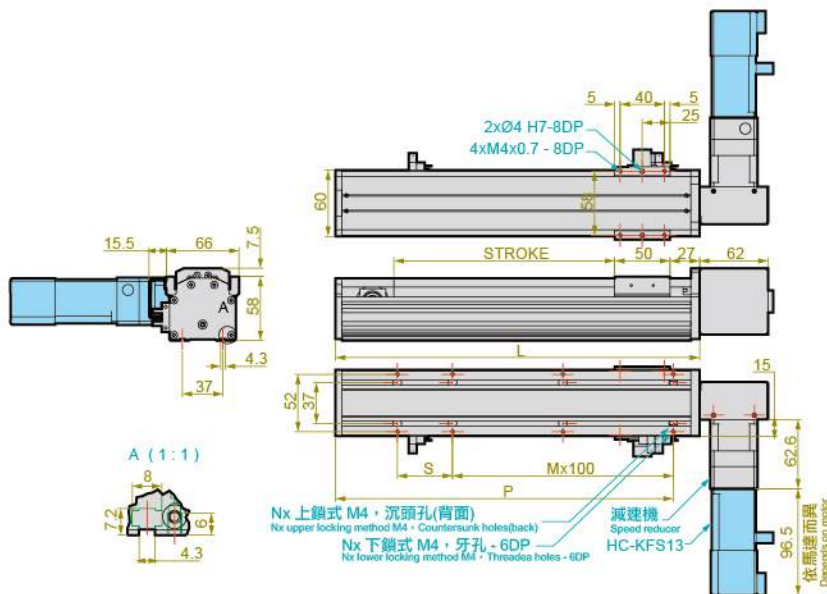


STROKE	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	180	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930
M	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20
S	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
P	156	206	256	306	356	406	456	506	556	606	656	706	756	806	856	906
重量(Kg)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

RG 減速機右側型 Straight gear reducer(Right side)

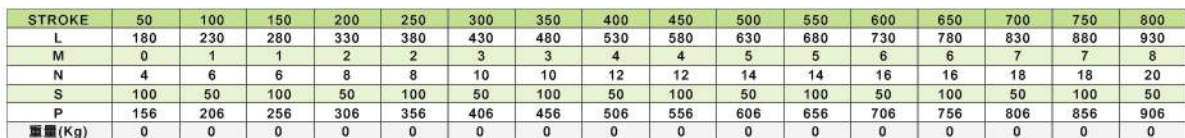
伺服馬達 Servo motor 100W 減速機 Straight gear reducer S4



STROKE	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	180	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930
M	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20
S	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
P	156	206	256	306	356	406	456	506	556	606	656	706	756	806	856	906
重量(Kg)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

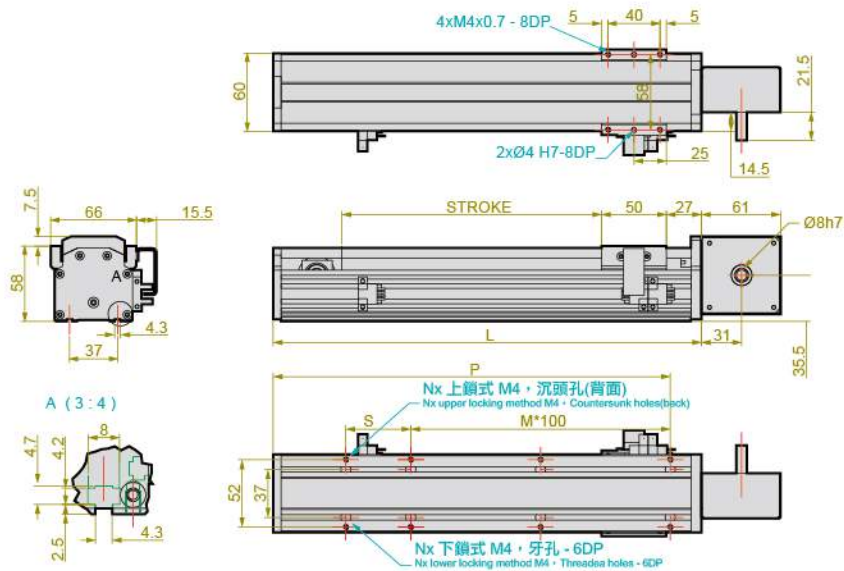
單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

US 軸心上方型 Input shaft (Up side)

[illegible]

www.m-pro.com.tw

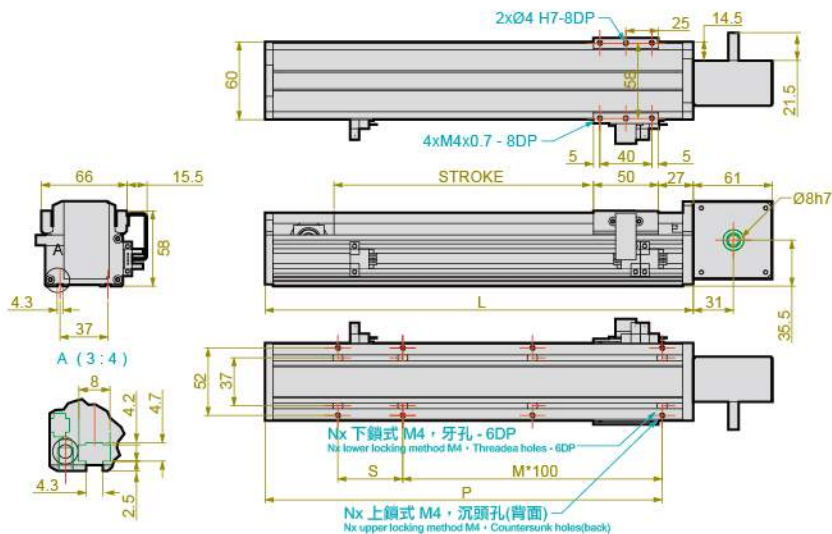
LS 軸心左側型 Input shaft (Left side)



STROKE	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	180	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930
M	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20
S	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
P	156	206	256	306	356	406	456	506	556	606	656	706	756	806	856	906
重量 (Kg)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

RS 軸心右側型 Input shaft (Right side)



STROKE	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	180	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930
M	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20
S	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
P	156	206	256	306	356	406	456	506	556	606	656	706	756	806	856	906
重量 (Kg)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

單位/Unit: mm 滑台重量不含馬達(誤差值±10%)



R060

皮帶滑台
Standard belt drive

A2

長滑座
Long slider



水平最大可搬重量
Horizontal Payload (kg)

10KG



高剛性滾珠線性滑軌
High Rigidity Linear Guide (mm)

24X1



標準有效行程
Effective Stroke (mm)

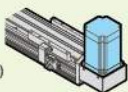
50~800

馬達連結方向 Motor position

UM

上方型

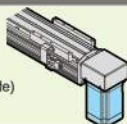
Straight motor (Up side)



DM

下方型

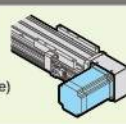
Straight motor (Down side)



LM

左側型

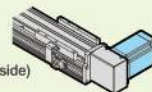
Straight motor (Left side)



RM

右側型

Straight motor (Right side)



型號表示方式 Product code

型號 Model	皮帶型式 Belt Type	導程 Lead	馬達連結 Motor position	滑座規格 Slider type	有效行程 Stroke 間隔 Interval / 50mm	感測器數量 /方向 Sensor quantity	固定方式 Attachment method	馬達廠牌 Motor brand	瓦數 Wattage
R060	G5 5GT 時規皮帶 (標準品) 5GT Timing belt (standard item)	P80 80mm	馬達 Straight motor type	A2 長滑座 Long slider	Snnn nnn = 行程 nnn=Stroke 50~800mm	3L 光電 3 個 左側安裝 Photoelectric SensorX3 left side	U 上方安裝 溝槽安裝 Up/Slot installation	伺服馬達 Servo Motor	P 國際 Panasonic T 台達 Delta M 三菱 Mitsubishi Y 安川 Yaskawa S 三洋 Sanyo L 士林 Shihlin D 東元 Teco 例：P3= 國際 300W P3=Panasonic 300W + 3 400W
	P5 PU 鋼絲皮帶 PU Steel belt	P80 80mm	DM 下方型 Down LM 左方型 Left RM 右方型 Right	減速機 Straight gear reducer type	3R 光電 3 個 右側安裝 Photoelectric SensorX3 right side	N 下方安裝 溝槽安裝 Down/Slot installation			
			UG 上方型 Up DG 下方型 Down LG 左方型 Left RG 右方型 Right	軸心 Input shaft type	NN 無光電及 檔片 No Photoelectric Sensor and No light interrupted plate	H 上下方安裝 溝槽安裝 Up/Down/Slot installation	S 溝槽安裝 Slot installation		
				US 上方型 Up DS 下方型 Down LS 左方型 Left RS 右方型 Right					1.特訂規格減速機 We accept made to order to gear reducer. 2.減速機另外報價 Quoted separately. 3.減速機另有馬達安裝面可供 Motor mounting.
									軸心入力 Input shaft type
									NN 無搭配安裝面

數值=基本導程(mm)
Value = basic lead (mm)

數值=基本導程(mm)
Value = basic lead (mm)

型號編寫範例 Example

Model	R060 - G5 - P80 - DM - A2 - S500 - 3L - H - P3								
M-Pro	型號 Model	皮帶型式 Belt type	導程 Lead	馬達連結 Motor position	滑座規格 Slider type	有效行程 Stroke	感測器數量/方向 Sensor quantity	固定方式 Attachment method	馬達廠牌/瓦數 Motor brand /Wattage

- 註 Note 1** 如需滑台採購碼，請依選用的規格上網下載 / 查詢。
If a sliding table purchasing code is needed, download/query online in accordance with the chosen specifications.
- 註 Note 2** 使用 Z 相原點歸歸模式時，有效行程需扣除一個導程長度。
When using the Z-axis origin zeroing model, the lead length must be subtracted from the stroke.
- 註 Note 3** 標準配件包含入力皮帶輪，感測器 X3，馬達安裝座(不含馬達，可自行提供或另外報價；不含減速機，另外報價)。
Standard accessories include power input pulley, sensor X3, motor mounting (excluding motor, can be self-provided or quoted separately; does include speed reducer, which is quoted separately).

規格性能 Specification

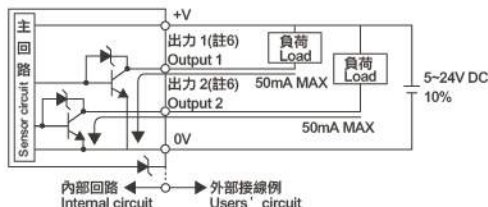
規格 Spec		驅動特性 Feature		時規皮帶 Belt		
位置重複精度 Repeatability(mm)		±0.04				
馬達規格 Specifications of motor		步進馬達 Step motor		伺服馬達 Servo motor		
		18 Kg-cm		400W		
減速機規格 Specifications of gear reducer		-	-	S6	S6	
減速機比數 Ratio of the gear reducer		-	-	5	10	
最終導程 Final lead(mm)		80	80	16	8	
額定速度 Rated speed(mm/sec)		1200	2000	800	400	
水平最大可搬重量(kg) 加/減速時間 200ms Horizontal maximum payload Acceleration/deceleration 200ms		5	2	6	10	
標準行程 Stroke (mm)		間隔 Interval / 50mm		50~800		
部品零件 Parts						
皮帶寬度 Belt width(mm)		9				
高剛性線性滾珠滑軌 High rigidity linear guide(mm)		單軌 Single ，寬度 Width 24mm				
調整座-軸承 Housing bearing		日製品 Made in Japan				
馬達連接方式 Motor linkage		直結皮帶輪或直結減速機 Connecting with pulley or gear reducer				
原點及極限感測器 Home sensor and limit		外側 Outside		PM-L65(NPN)		

- 註 Note 4** 標準行程請參閱滑台索引頁。
Please refer to the sliding table's index page for standard travel.
- 註 Note 5** 另有馬達二次傳動規格可供選擇，如需詳細資料請上網查詢或洽詢營業人員。
Motor secondary drive specification options are also available; please query online or consult sales.
- 註 Note 6** 可搬重量是搭載『P 廠牌 伺服馬達』為基礎計算，其他廠牌需參考原廠相關數據。
Calculations are based on a "P brand servo motor" that can move a weighted load; please refer to manufacturer data if another brand is used.

感應器接線圖 Sensor wiring diagram

入出力回路圖(NPN 輸出 TYPE)端子式

I/O circuit diagram (NPN output type) with connector



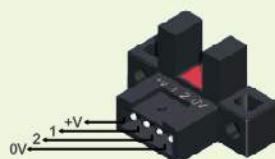
- 註 Note 6** 未使用到的出力端請務必做好絕緣。
Ensure to insulate the unused output wire.
- 註 Note 7** 入光時紅色的 LED 燈會亮。
Under light received the red LED will light up.

感應器型號 Sensor type

PM-L65

出力動作 Output operation

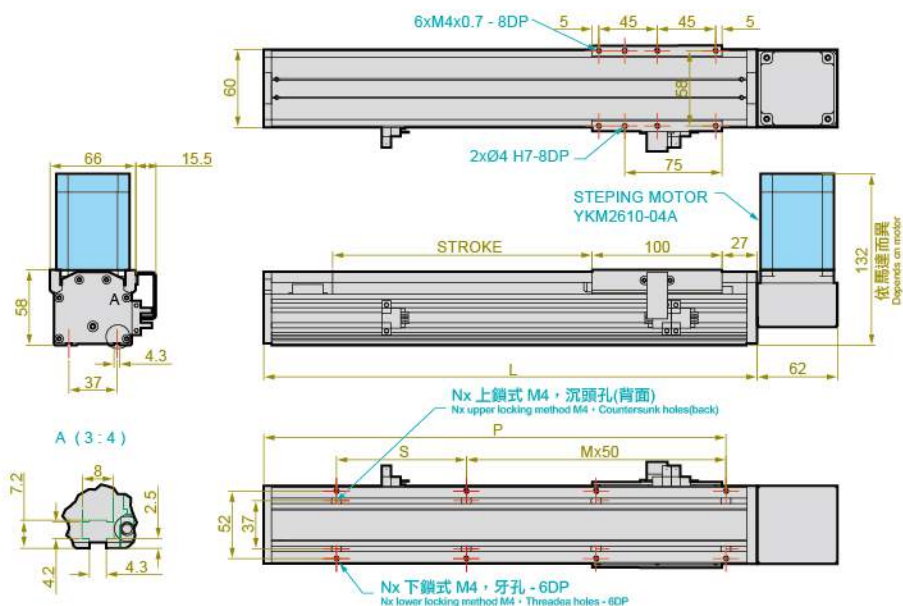
出力1	入光時 ON(NC)
Output 1	Light ON(NC)
出力2	遮光時 ON(NO)
Output 2	Dark ON(NO)





UM 馬達上方型 Straight motor (Up side)

伺服馬達 Servo motor 200/400W 步進馬達 Step motor 57

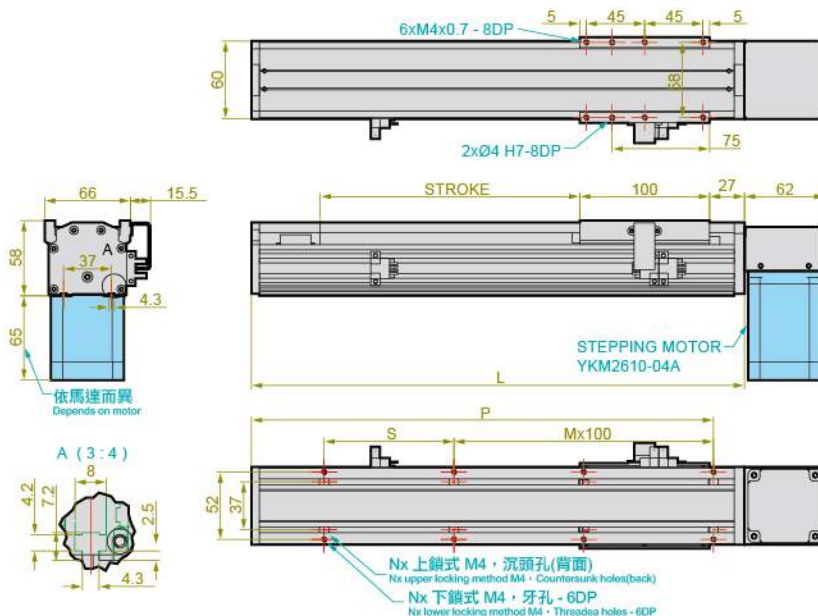


STROKE	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
S	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
P	206	256	306	356	406	456	506	556	606	656	706	756	806	856	906	956
重量(Kg)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

DM 馬達下方型 Straight motor (Down side)

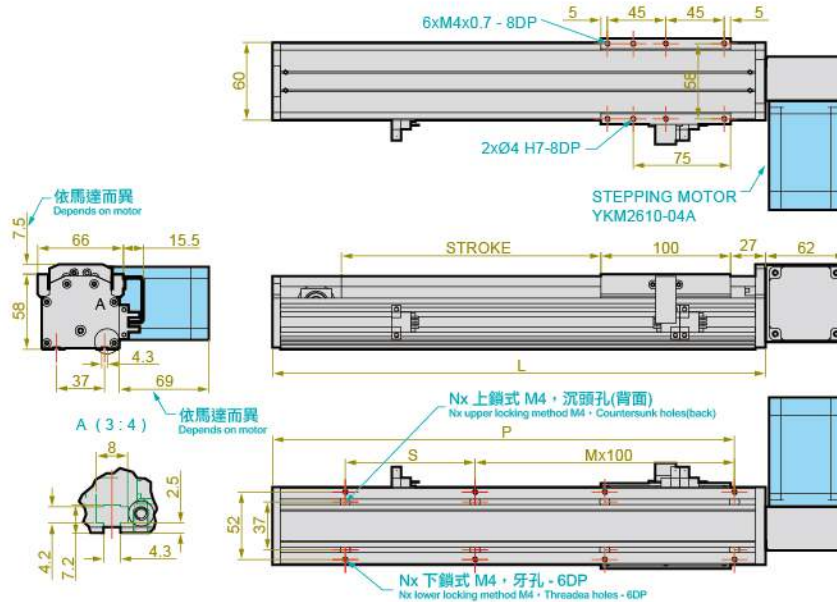
伺服馬達 Servo motor 200/400W 步進馬達 Step motor 57



STROKE	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
S	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
P	206	256	306	356	406	456	506	556	606	656	706	756	806	856	906	956
重量(Kg)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

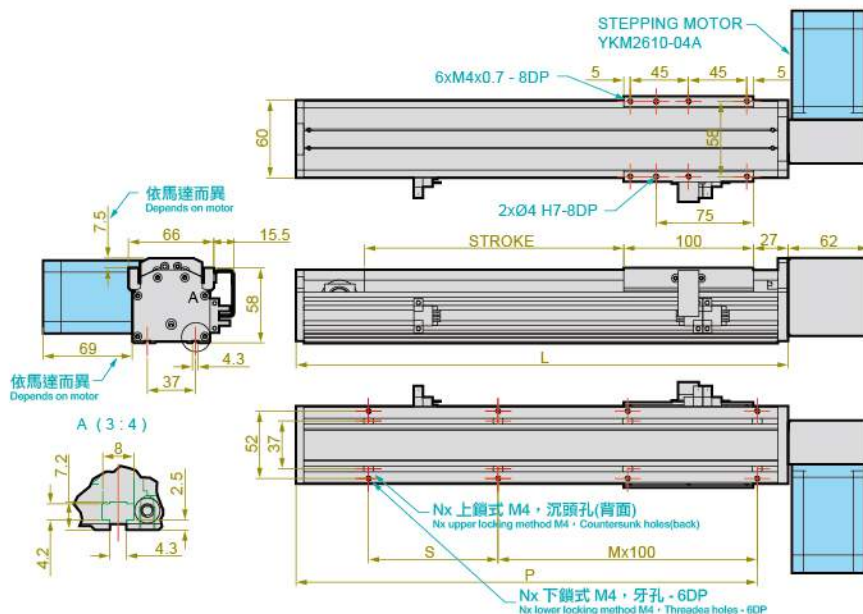
單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

伺服馬達 Servo motor 200/400W 步進馬達 Step motor 57

[illegible]

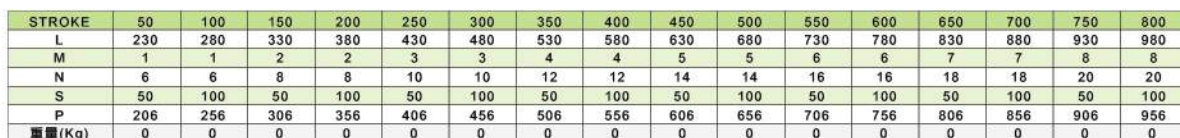
單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

伺服馬達 Servo motor 200/400W 步進馬達 Step motor 57

[illegible]

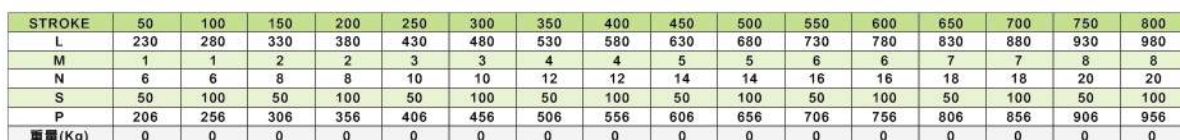
單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

伺服馬達 Servo motor 100W 減速機 Straight gear reducer S4



單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

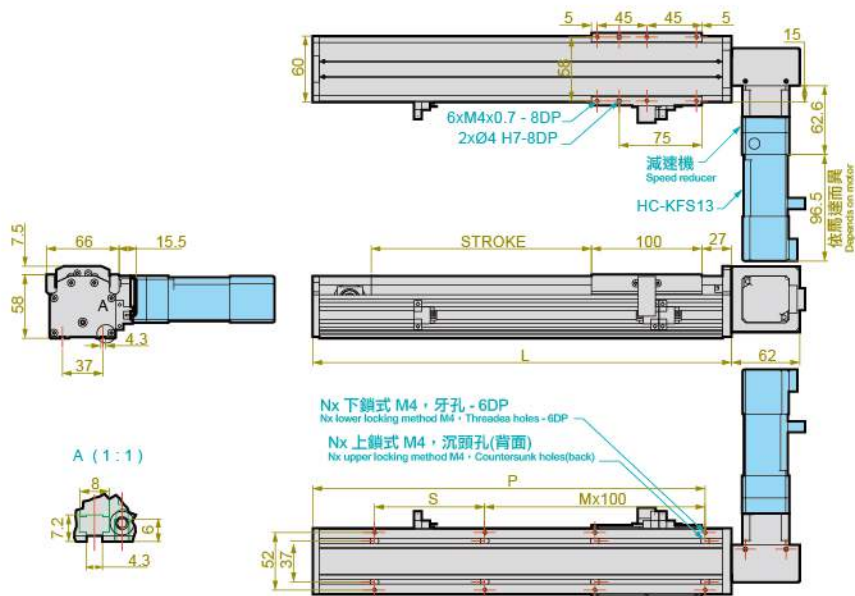
伺服馬達 Servo motor 100W 減速機 Straight gear reducer S4



單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

LG 減速機左側型 Straight gear reducer(Left side)

伺服馬達 Servo motor 100W 減速機 Straight gear reducer S4

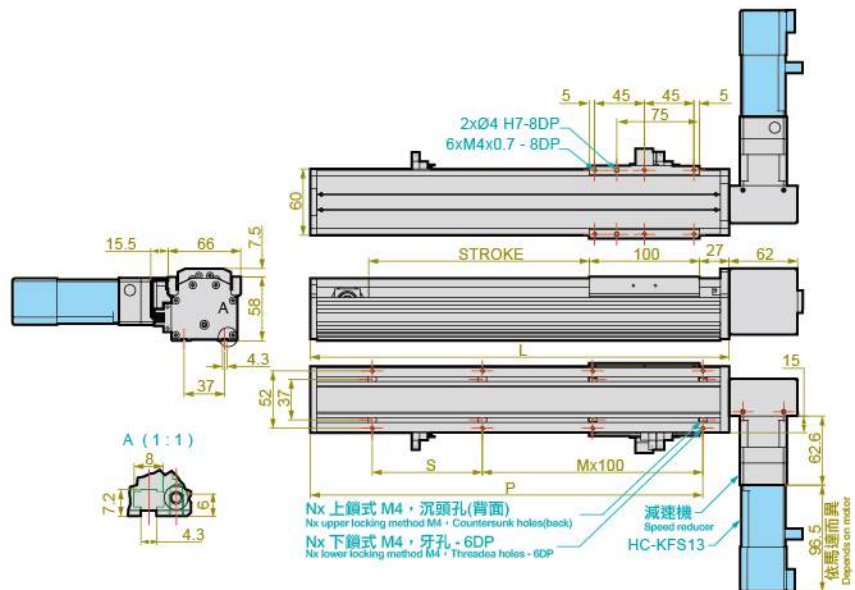


STROKE	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
S	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
P	206	256	306	356	406	456	506	556	606	656	706	756	806	856	906	956
重量(Kg)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

RG 減速機右側型 Straight gear reducer(Right side)

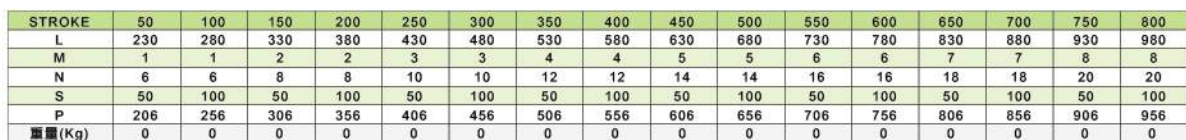
伺服馬達 Servo motor 100W 減速機 Straight gear reducer S4



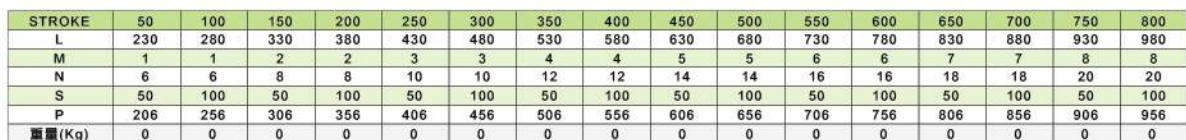
STROKE	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
S	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
P	206	256	306	356	406	456	506	556	606	656	706	756	806	856	906	956
重量(Kg)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

US 軸心上方型 Input shaft (Up side)

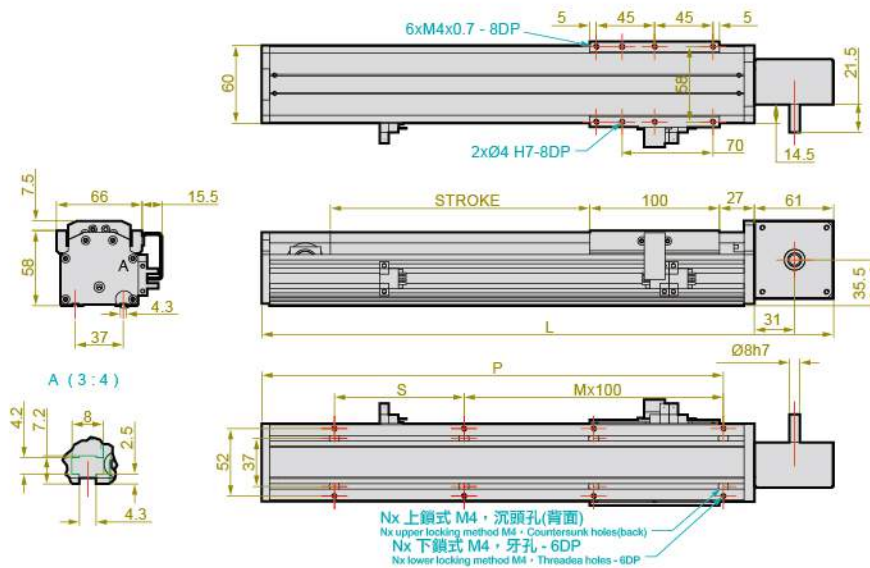


DS 軸心下方型 Input shaft (Down side)



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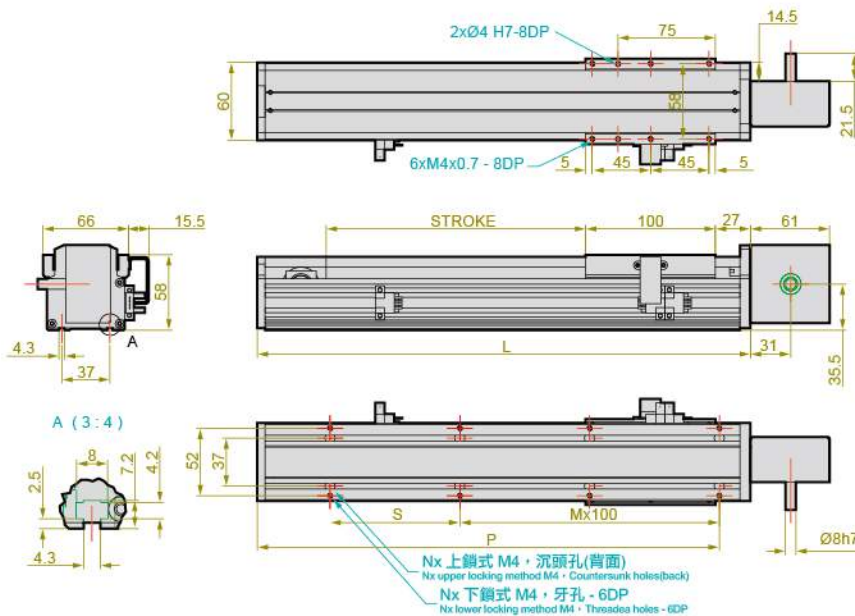
LS 軸心左側型 Input shaft (Left side)



STROKE	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
S	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
P	206	256	306	356	406	456	506	556	606	656	706	756	806	856	906	956
重量(Kg)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

單位/Unit: mm 滑台重量不含馬達(誤差值±10%)

RS 軸心右側型 Input shaft (Right side)



STROKE	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	230	280	330	380	430	480	530	580	630	680	730	780	830	880	930	980
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
S	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
P	206	256	306	356	406	456	506	556	606	656	706	756	806	856	906	956
重量(Kg)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

單位/Unit: mm 滑台重量不含馬達(誤差值±10%)