

精度

±0.01
mm最大行程
Maximum Stroke 800mm最高速度
Maximum Speed 1000mm/s馬達容量
Motor Output 100w滾珠螺桿
Ball Screw ø12mm

型號表示方式 Ordering Method

GRH5 - L5 - 100 - BC - M10B - C4 - 0001

本體型號
Model

行程 Stroke

50-800mm

50間隔 50 mm Pitch

螺桿導程
Ball Screw Lead

2	2mm
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

馬達廠牌 Motor Brand	功率 Power Output
M 三菱 Mitsubishi	05 - B
P 松下 Panasonic	10 100W
Y 安川 Yaskawa	20 -
T 台達 Delta	40 -

※若無煞車則不表示※If No Brake, No Description.

功率
Power Output原點感應器
Home Sensor

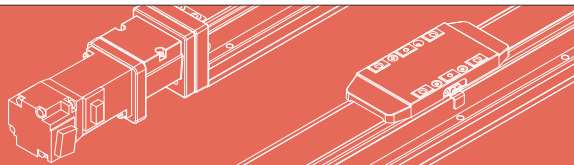
外掛型 Out Side
C 馬達側 Motor Side
D 反馬達側 Opposite Motor Side
無SENSOR No Sensor
E 無SENSOR No Sensor

※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.

特注式樣
Special Order No.端點極限感應器
Limit 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



基本仕様 Specification

性能	位置重複精度 Repeatability (mm)	±0.01			
	導程 Lead (mm)	2	5	10	20
	最高速度 Maximum Speed (mm/s)	100	250	500	1000
	最大可搬重量 Maximum Payload	水平使用 kg Horizontal (kg)	30	30	15
		垂直使用 kg Vertical (kg)	10	10	5
	定格推力 Rated Thrust (N)	854	341	170	85
	標準行程 Stroke Pitch (mm)	50-800mm/50 間隔 50mm Pitch			
部品	AC伺服馬達容量 AC Servo Motor Output (w)	100			
	滾珠絲杆外徑 Ball Screw Φ (mm)	C7 Φ 12			
	連軸器 Coupling (mm)	7X8			
	原點感應器 Home Sensor	外挂 Outside	EE-SX674(NPN)		

容許負載力距表 N.m Allowable Overhang

A 3D perspective diagram of a rectangular metal bracket. Point A is at the top end, pointing upwards. Point B is at the bottom end, pointing downwards. Point C is on the side, pointing to the right.

(單位Unit:mm)

A 3D perspective diagram of a rectangular metal bracket mounted on a wall. Point A is at the top end, pointing upwards. Point B is at the bottom end, pointing downwards. Point C is on the side, pointing to the right.

(單位Unit:mm)

A 3D perspective diagram of a rectangular metal bracket mounted vertically on a wall. Point A is at the top end, pointing upwards. Point C is on the side, pointing to the right.

(單位Unit:mm)

水平安裝 Horizontal installation			
	A	B	C
導程 2 Lead	10kg	900	100 135
	20kg	700	45 60
	30kg	550	25 35
導程 5 Lead	10kg	655	75 100
	20kg	440	32 45
	30kg	270	19 25
導程 10 Lead	5kg	600	145 185
	10kg	370	70 85
	15kg	250	42 52
導程 20 Lead	5kg	320	120 130
	8kg	220	70 80
	10kg	175	55 60

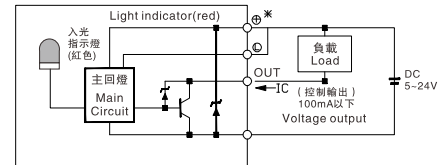
壁掛安裝 Wall installation			
	A	B	C
導程 2 Lead	10kg	135	100 900
	20kg	60	45 700
	30kg	37	27 550
導程 5 Lead	10kg	100	75 650
	20kg	45	32 420
	30kg	25	19 260
導程 10 Lead	5kg	180	145 600
	10kg	85	68 370
	15kg	52	42 250
導程 20 Lead	5kg	130	120 320
	8kg	75	70 220
	10kg	60	55 170

垂直安裝 Vertical installation			
	A	C	
導程 2 Lead	6kg	180	180
	8kg	135	135
	10kg	110	110
導程 5 Lead	6kg	145	145
	8kg	110	110
	10kg	90	90
導程 10 Lead	1kg	800	800
	3kg	260	260
	5kg	155	155
導程 20 Lead	1kg	600	600
	2kg	300	300
	2.5kg	250	250

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)	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	MHMD012G1U	MADHT1505
		有煞車(垂直仕様) With Brake (Vertical Type)	100	220	MHMD012G1V	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

感應器接線圖 <原點及端點> Sensor Layout



*行程超過600時，會產生螺杆偏擺，此時請將速度調降。
*When the stroke is over 600mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances.

*馬達加速減速設定0.2秒

*Acceleration and deceleration value is set 0.2 second.

靜態容許負載慣量 Static Loading Moment

(單位Unit:N.m)

MY	103
MP	103
MR	144

*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.

GRH5

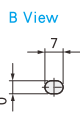
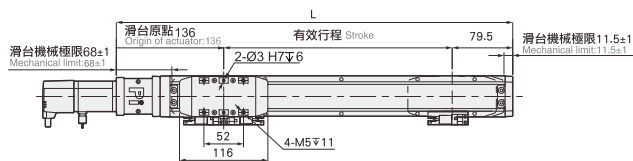
Series

單軸/1-axis

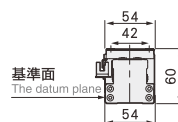
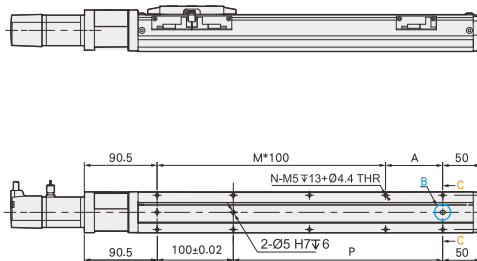
馬達外露/馬達下折 Motor Exposed/Motor On Lower Side

單位 Unit:mm

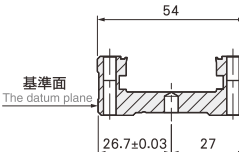
BC 馬達外露 Motor Exposed



※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 using actuator body from the bottom to the top.



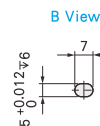
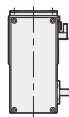
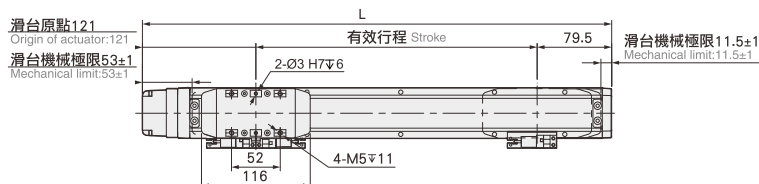
C-C View



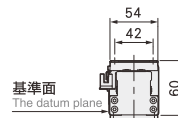
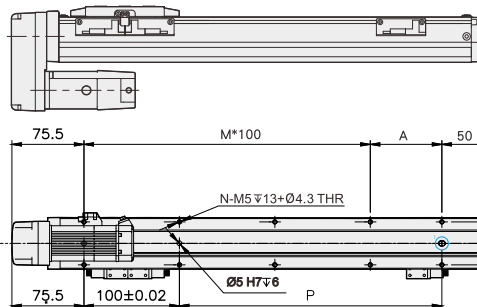
有效行程 stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	265.5	315.5	365.5	415.5	465.5	515.5	565.5	615.5	665.5	715.5	765.5	815.5	865.5	915.5	965.5	1015.5
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.425	1.59	1.755	1.92	2.085	2.25	2.415	2.58	2.745	2.91	3.075	3.24	3.405	3.57	3.735	3.9

BM 馬達下折 Motor On Lower Side

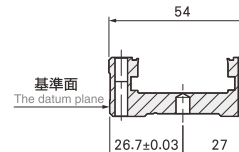
單位 Unit:mm



※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 using actuator body from the bottom to the top.



C-C View



有效行程 stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	250.5	300.5	350.5	400.5	450.5	500.5	550.5	600.5	650.5	700.5	750.5	800.5	850.5	900.5	950.5	1000.5
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
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
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.7	1.805	1.91	2.015	2.12	2.225	2.33	2.435	2.54	2.645	2.75	2.855	2.96	3.065	3.17	3.275

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，如有需求請洽我司業務。
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.

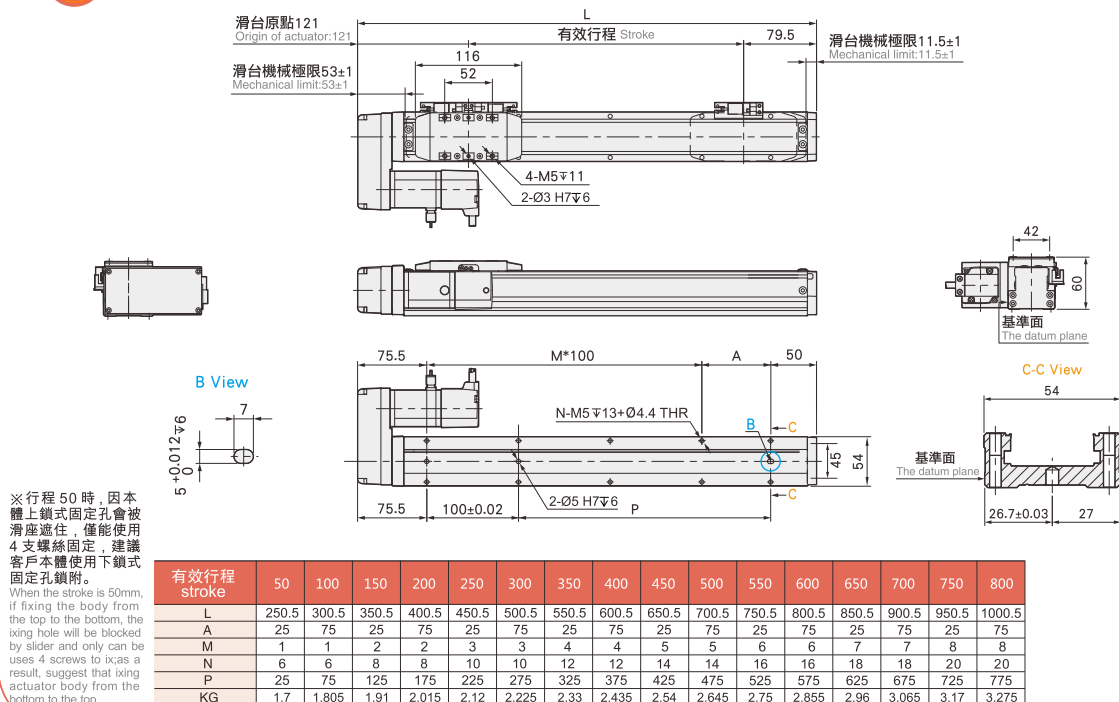
馬達左折/馬達右折 Motor Left/Motor Right

2022 綜合型錄



BL 馬達左折 Motor On Left Side

單位 Unit:mm



BR 馬達右折 Motor On Right Side

單位 Unit:mm

