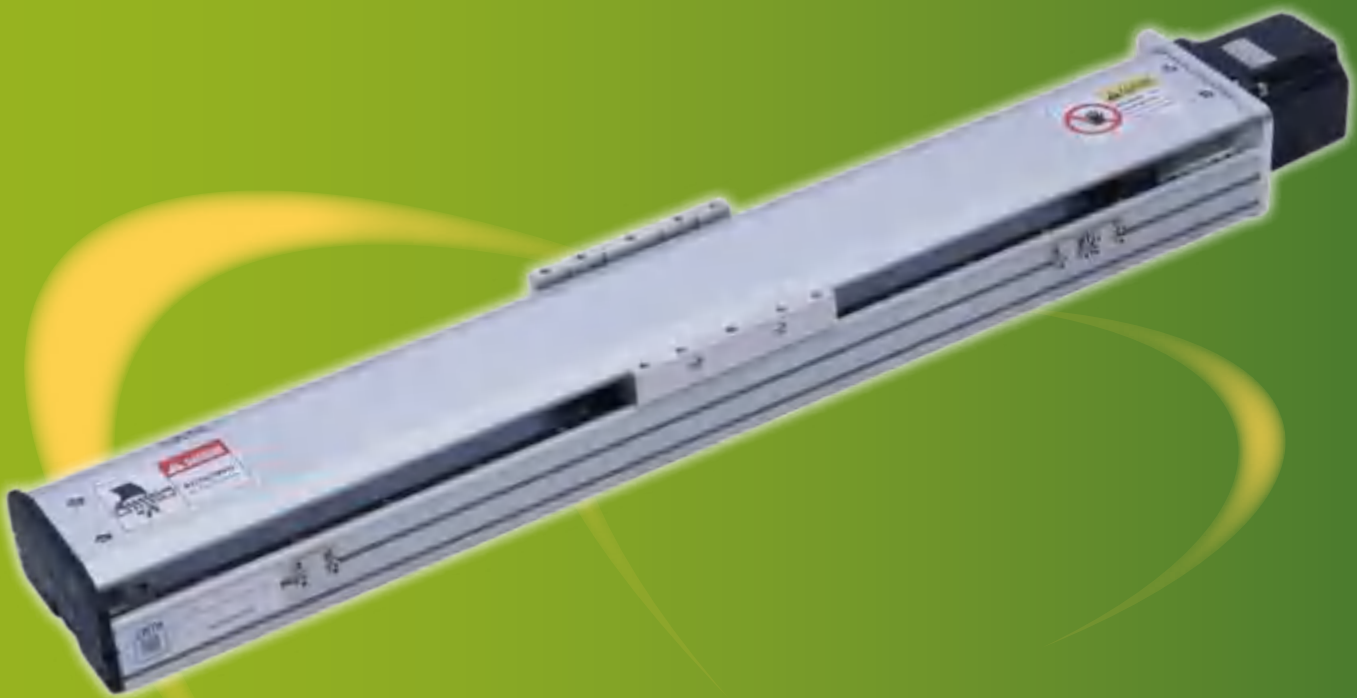


# SATA

## 自帶馬達螺桿

### Ball Screw Type With Motor Series

**General**



# M50D- YL10- S100- M2 - TM 42

型號  
Model

孔型與導程  
Hole type and lead

行程  
Stroke

馬達方向  
Motor direction

驅動器規格  
Driver model

馬達規格  
Motor spec

Y 底部牙孔  
Thread hole

- TO:T OPEN 驅動器  
T OPEN Driver
- TM:T STEP 驅動器  
T STEP Driver
- TS:T SERVO 驅動器  
T SERVO Driver

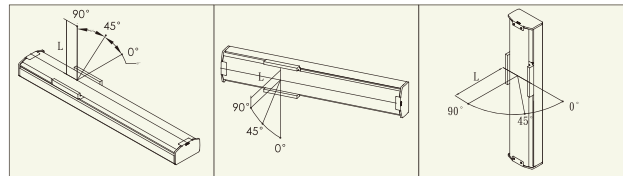
- M2 馬達外置 Motor outside position
- M3 馬達外置右側 Motor outside ,rightward position
- M4 馬達外置左側 Motor outside ,rightward position
- M5 馬達外置上方 Motor outside ,upper position
- M6 馬達外置下方 Motor outside ,lower position

## M50D規格表(M50D Specification)

馬達出力 Step motor output	42步進		
重複定位精度 Repeatability(mm)	±0.01		
滾珠絲桿外徑 B.S(Ø)	Ø12		
滾珠螺桿導程 Lead(mm)	5	10	
最快速度 Maximun speed(mm/sec)	100	200	
最大載重 Maximun payload(kg)	水平使用 (H)	9	4.6
	垂直使用 (V)	2.5	1.2
額定推力 Rated thrus(N)	156	75	
行程 Stroke(mm)	100-800 50間隔 (interval)		

"此款型號不建議當多軸負載軸"  
This model suggestion not be used as load axis of multi axes.

## 線性滑軌 24x8.5-1 支

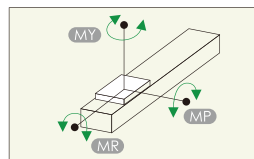


水平安裝應用: 單位Unit:mm Horizontal use				牆面安裝應用: 單位Unit:mm Wall installation use				垂直安裝應用: 單位Unit:mm During vertical use						
導程 Lead	荷重 Payload	0°	45°	90°	導程 Lead	荷重 Payload	0°	45°	90°	導程 Lead	荷重 Payload	0°	45°	90°
Lead10	1.4kg	276	136	483	Lead10	1.4kg	472	233	148	Lead10	1.2kg	202	80	202
	3.0kg	150	96	336		6.0kg	324	145	100					
	4.6kg	80	72	221		4.6kg	193	76	72					
Lead15	3.0kg	270	130	432	Lead15	6.0kg	496	242	151	Lead15	2.5kg	117	43	117
	6.0kg	148	90	310		6.0kg	306	123	81					
	9.0kg	79	69	213		9.0kg	133	38	47					

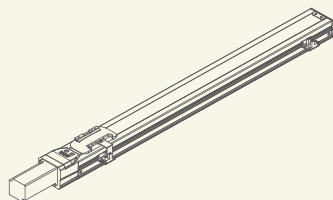
\*滑塊表面中心到搬送物重心的距離(僅供參考)  
Distance center of slider top to center of gravity of object being transported (For reference only)

靜態容許負載慣量  
Static Loading Moment

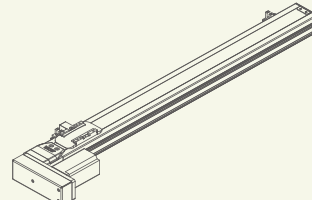
(單位:N.m) ( Unit:N.m)  
水平使用時 Static Loading Moment



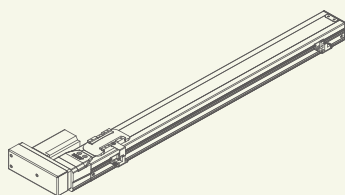
MY	60
MP	65
MR	62



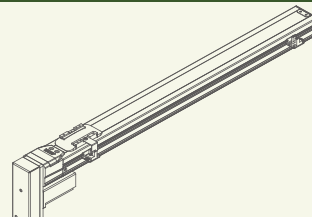
M2



M3

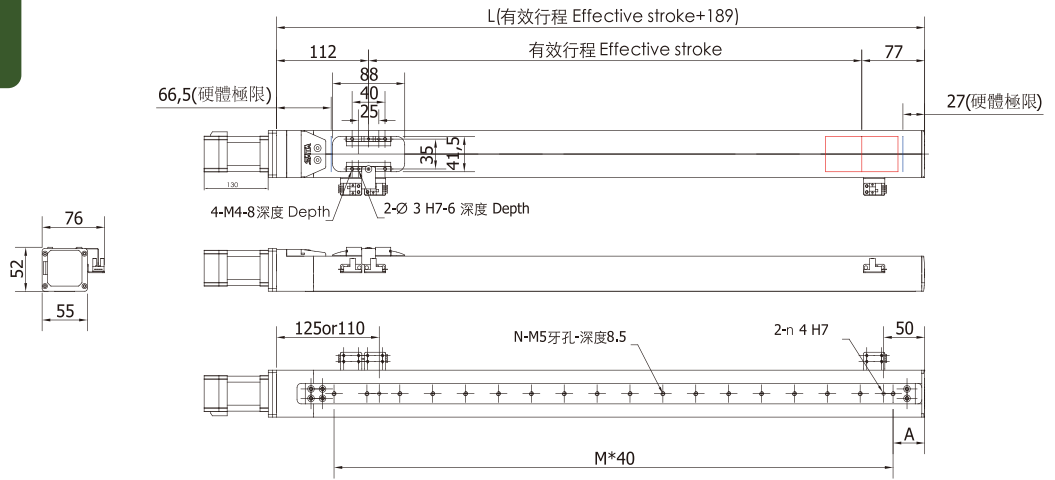


M4



M6

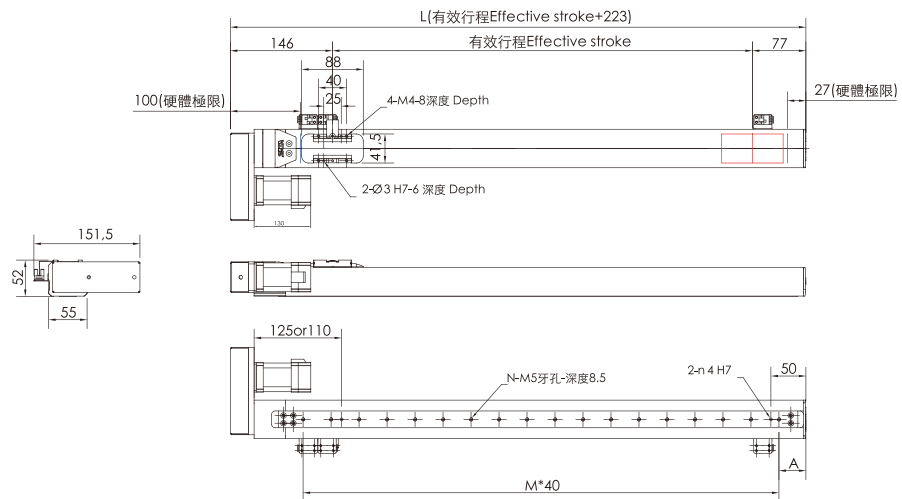
## M2



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	289	339	389	439	489	539	589	639	689	739	789	839	889	939	989
A	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5
M	4	6	7	8	9	11	12	13	14	16	17	18	19	21	22
N	5	7	8	9	10	12	13	14	15	17	18	19	20	22	23
重量(kg)	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5

※本公司享有變更規格之權益，恕不另行通知 ※Drawings and specifications are subject to change without prior notice.

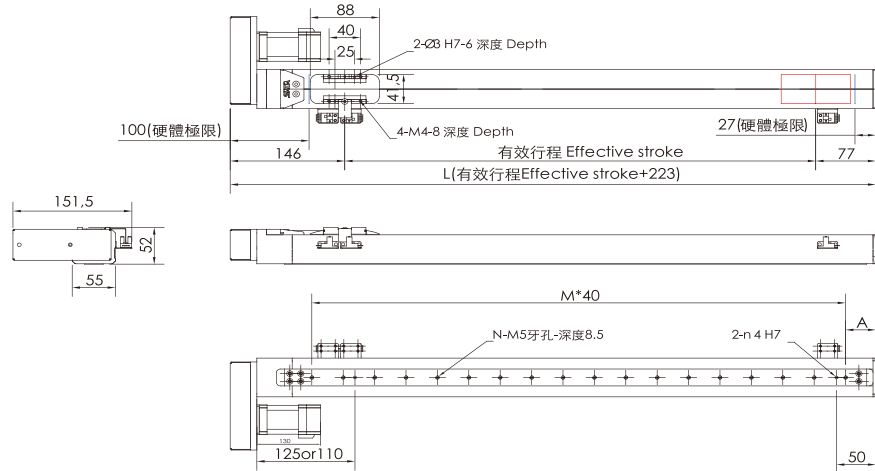
## M3



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	323	373	423	473	523	573	623	673	723	773	823	873	923	973	1023
A	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5
M	4	6	7	8	9	11	12	13	14	16	17	18	19	21	22
N	5	7	8	9	10	12	13	14	15	17	18	19	20	22	23
重量(kg)	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9

※本公司享有變更規格之權益，恕不另行通知 ※Drawings and specifications are subject to change without prior notice. "此款型號不得當多軸負載軸"

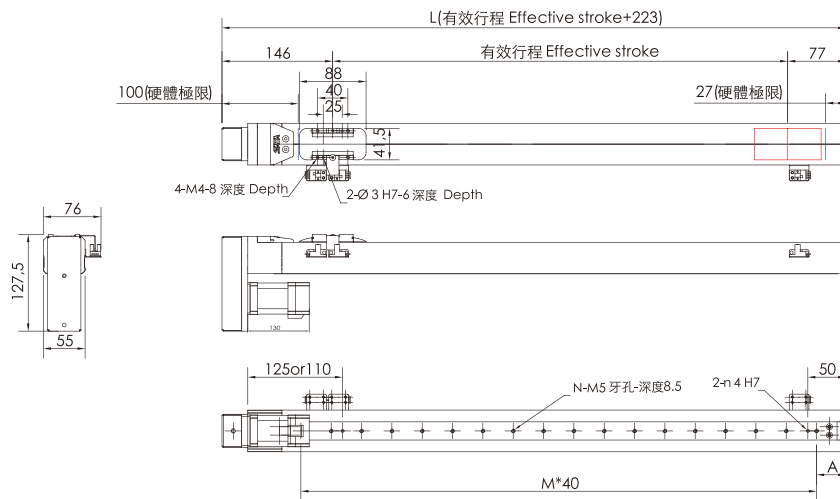
# M4



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	323	373	423	473	523	573	623	673	723	773	823	873	923	973	1023
A	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5
M	4	6	7	8	9	11	12	13	14	16	17	18	19	21	22
N	5	7	8	9	10	12	13	14	15	17	18	19	20	22	23
重量(kg)	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9

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# M6



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	323	373	423	473	523	573	623	673	723	773	823	873	923	973	1023
A	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5	28.5	38.5
M	4	6	7	8	9	11	12	13	14	16	17	18	19	21	22
N	5	7	8	9	10	12	13	14	15	17	18	19	20	22	23
重量(kg)	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9

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## M60D - YL10- S100- M2- TM 42

型號 Model     
 孔型與導程 Hole type and lead     
 行程 Stroke     
 馬達方向 Motor direction     
 驅動器規格 Driver model     
 馬達規格 Motor spec

T 底部通孔  
Through hole

Y 底部牙孔  
Thread hole

TO:T OPEN驅動器  
T OPEN Driver  
 TM:T STEP驅動器  
T STEP Driver  
 TS:T SERVO驅動器  
T SERVO Driver

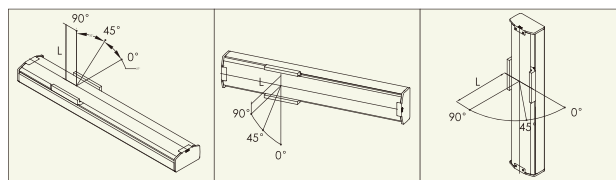
M2 馬達外置 Motor outside position  
 M3 馬達外置右側 Motor outside ,rightward position  
 M4 馬達外置左側 Motor outside ,rightward position  
 M5 馬達外置上方 Motor outside ,upper position  
 M6 馬達外置下方 Motor outside ,lower position

### M60D規格表(M60D Specification)

馬達出力 Step motor output	42步進	
重複定位精度 Repeatability(mm)	±0.01	
滾珠絲桿外徑 B.S(Ø)	Ø12	
滾珠螺桿導程 Lead(mm)	5	10
最快速度 Maximun speed(mm/sec)	100	200
最大載重 Maximun payload(kg)	水平使用 (H)	13      6.5
	垂直使用 (V)	5      2.5
額定推力 Rated thrus(N)	156	75
行程 Stroke(mm)	100-800 50間隔 (interval)	

"此款型號不建議當多軸負載軸"  
This model suggest not be used as load axis of multi axes.

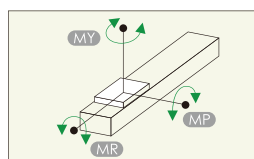
### 線性滑軌 42x9.5-1 支



水平安裝應用:單位Unit:mm Horizontal Use				牆面安裝應用:單位Unit:mm Wall Installation Use				垂直安裝應用:單位Unit:mm During vertical Use						
導程 Lead	荷重 Payload	0°	45°	90°	導程 Lead	荷重 Payload	0°	45°	90°	導程 Lead	荷重 Payload	0°	45°	90°
10	4.0kg	276	136	483	10	4.0kg	472	233	148	10	2.5kg	213	130	216
10	5.3kg	150	96	336	10	5.3kg	324	145	100	10	2.5kg	213	130	216
10	6.5kg	80	72	221	10	6.5kg	193	76	72	10	2.5kg	213	130	216
50	7.0kg	270	130	432	50	7.0kg	496	242	151	50	5kg	163	78	153
50	10kg	148	90	310	50	10kg	306	123	81	50	5kg	163	78	153
50	13kg	79	69	213	50	13kg	133	38	47	50	5kg	163	78	153

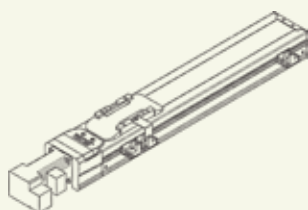
\*滑塊表面中心到搬送物重心的距離(僅供參考)  
Distance center of slider top to center of gravity of object being transported (For reference only)

靜態容許負載慣量  
Staic Loading Moment

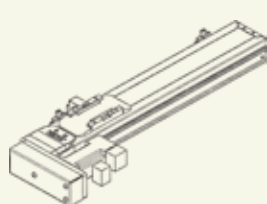


(單位:N.m) ( Unit:N.m)  
水平使用時 Static Loading Moment

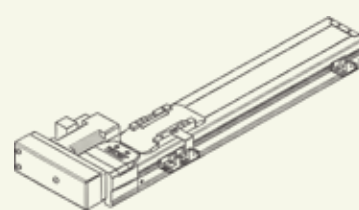
MY	60
MP	65
MR	62



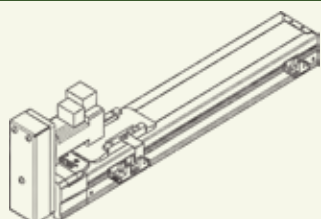
M2



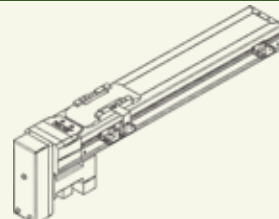
M3



M4



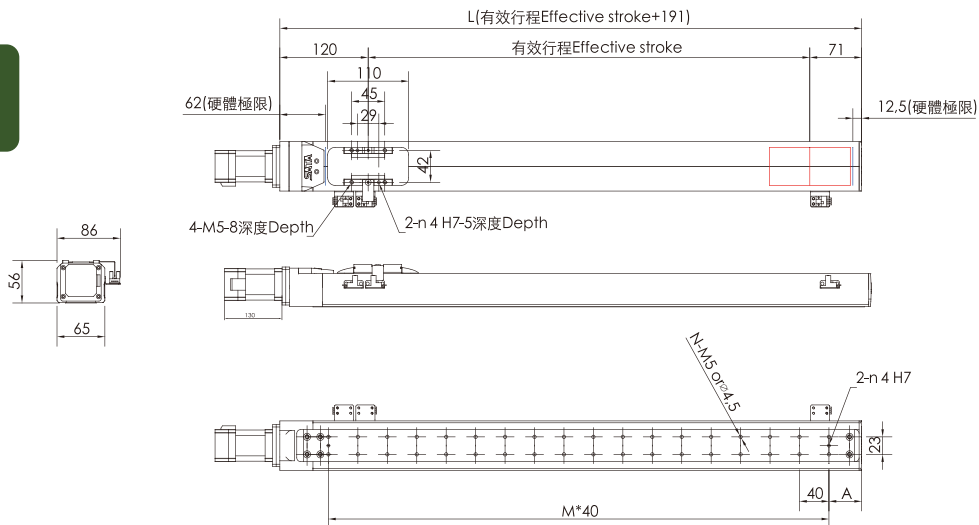
M5



M6



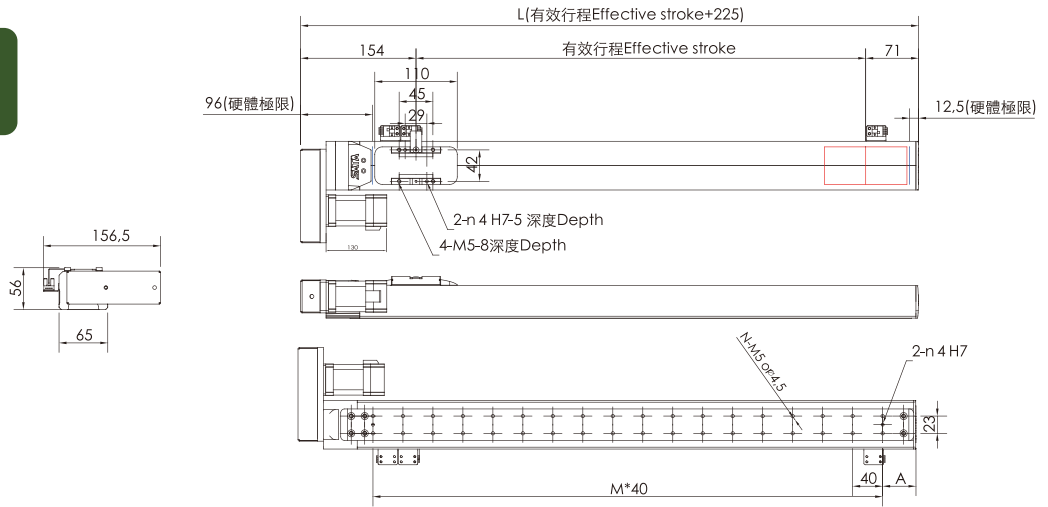
## M2



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	291	341	391	441	491	541	591	641	691	741	791	841	891	941	991
A	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5
M	4	6	7	8	9	11	12	13	14	16	17	18	19	21	22
N	10	14	16	18	20	24	26	28	30	34	36	38	40	44	46
重量(kg)	2.4	2.6	2.8	2.8	3	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5.2

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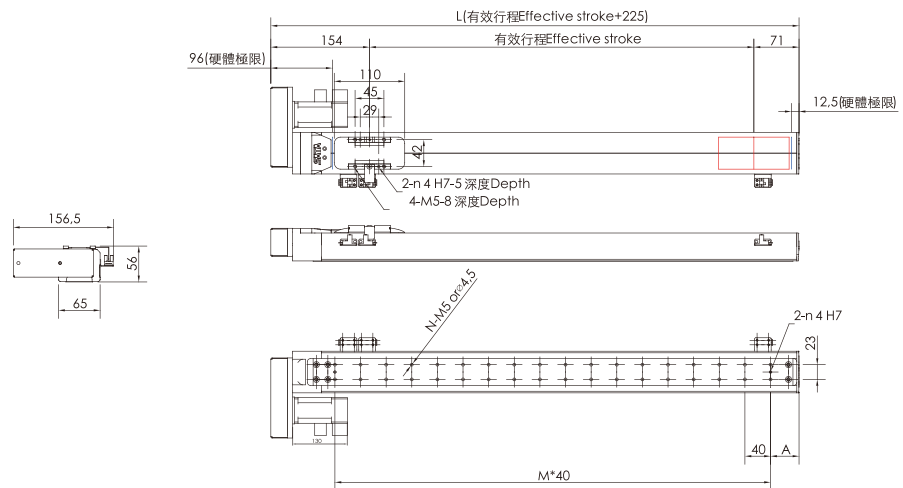
# M3



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	325	325	375	425	475	525	575	625	675	725	775	825	875	925	975
A	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5
M	4	6	7	8	9	11	12	13	14	16	17	18	19	21	22
N	10	14	16	18	20	24	26	28	30	34	36	38	40	44	46
重量(kg)	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6

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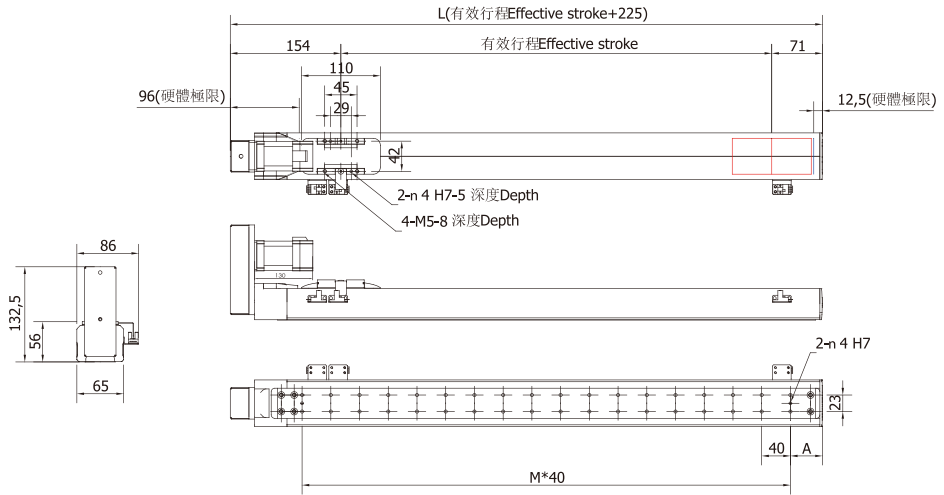
# M4



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	325	325	375	425	475	525	575	625	675	725	775	825	875	925	975
A	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5
M	4	6	7	8	9	11	12	13	14	16	17	18	19	21	22
N	10	14	16	18	20	24	26	28	30	34	36	38	40	44	46
重量(kg)	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6

※本公司享有變更規格之權益，恕不另行通知 ※Drawings and specifications are subject to change without prior notice.

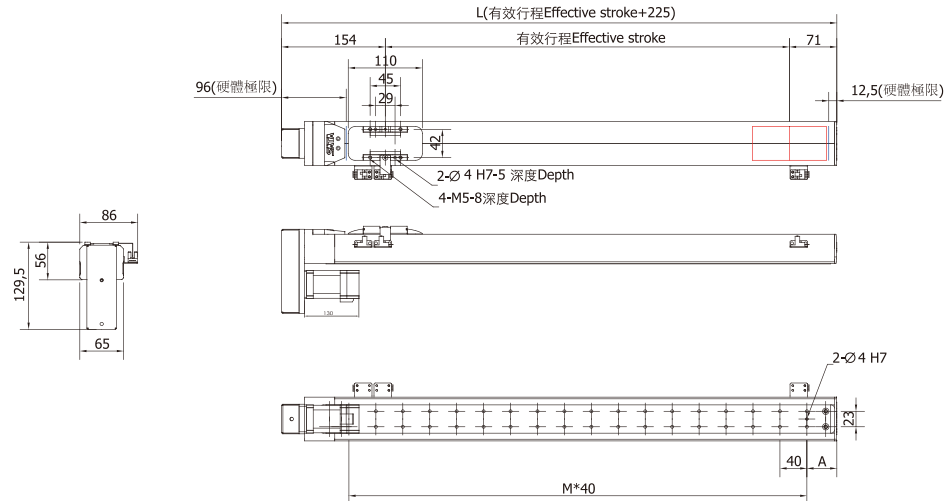
# M5



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	325	325	375	425	475	525	575	625	675	725	775	825	875	925	975
A	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5
M	4	6	7	8	9	11	12	13	14	16	17	18	19	21	22
N	10	14	16	18	20	24	26	28	30	34	36	38	40	44	46
重量(kg)	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6

※本公司享有變更規格之權益，恕不另行通知 ※Drawings and specifications are subject to change without prior notice.

# M6



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	325	325	375	425	475	525	575	625	675	725	775	825	875	925	975
A	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5	34.5	44.5
M	4	6	7	8	9	11	12	13	14	16	17	18	19	21	22
N	10	14	16	18	20	24	26	28	30	34	36	38	40	44	46
重量(kg)	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6

※本公司享有變更規格之權益，恕不另行通知 ※Drawings and specifications are subject to change without prior notice.



## M80D-YL10- S100 - M2 - TM 42

型號 Model     孔型與導程 Hole type and lead     行程 Stroke     馬達方向 Motor direction     驅動器規格 Driver model     馬達規格 Motor spec

T 底部通孔  
Through hole  
Y 底部牙孔  
Thread hole

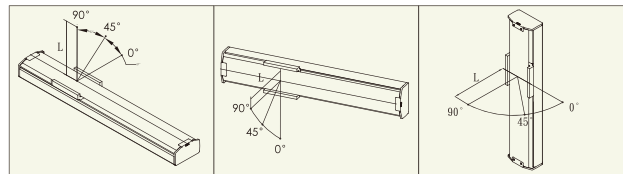
TO:T OPEN 驅動器  
T OPEN Driver  
TM:T STEP 驅動器  
T STEP Driver  
TS:T SERVO 驅動器  
T SERVO Driver

M2 馬達外置     Motor outside position  
M3 馬達外置右側     Motor outside ,rightward position  
M4 馬達外置左側     Motor outside ,rightward position  
M5 馬達外置上方     Motor outside ,upper position  
M6 馬達外置下方     Motor outside ,lower position

### M80D規格表(M80D Specification)

馬達出力 Step motor output	42步進				
重複定位精度 Repeatability(mm)	±0.01				
滾珠絲桿外徑 B.S(Ø)	Ø16				
滾珠螺桿導程 Lead(mm)	5	10	16	20	
最快速度 Maximum speed(mm/sec)	100	100	160	200	
最大載重 Maximum payload(kg)	水平使用 (H)	28	14	10	7.5
	垂直使用 (V)	9.4	5.6	3.6	2.8
額定推力 Rated thrus(N)	580	270	130	72	
行程 Stroke(mm)	100-950 50間隔 (interval)				

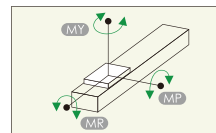
### 線性滑軌 15x12.5-1 支



水平安裝應用: 單位Unit:mm Horizontal use					牆面安裝應用: 單位Unit:mm Wall installation use					垂直安裝應用: 單位Unit:mm During vertical use				
導程 Lead	荷重 Payload	0°	45°	90°	導程 Lead	荷重 Payload	0°	45°	90°	導程 Lead	荷重 Payload	0°	45°	90°
Lead20	4.5kg	276	136	483	Lead20	4.5kg	462	223	146	Lead20	2.8kg	320	140	310
	6kg	150	96	336		6kg	334	140	96					
	7.5kg	80	72	221		7.5kg	213	76	73					
Lead16	6kg	270	130	432	Lead16	6kg	481	242	150	Lead16	3.6kg	325	112	322
	8kg	148	90	310		8kg	306	123	80					
	10kg	79	69	213		10kg	136	36	42					
Lead10	8kg	276	136	483	Lead10	8kg	524	166	83	Lead10	5.6kg	309	108	301
	10kg	150	96	336		10kg	382	96	13					
	14kg	80	72	221		14kg	121	6	0					
Lead05	16kg	270	130	432	Lead05	16kg	623	41	36	Lead05	9.4kg	296	100	299
	20kg	148	90	310		20kg	362	12	7					
	28kg	79	69	1220		28kg	80	0	0					

\*滑塊表面中心到搬送物重心的距離(僅供參考)  
Distance center of slider top to center of gravity of object being transported (For reference only)

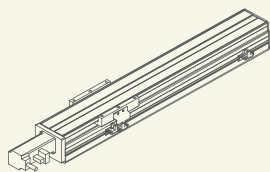
靜態容許負載慣量  
Staic Loading Moment



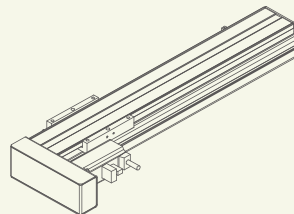
(單位:N.m) (Unit:N.m)  
水平使用時 Static Loading Moment

MY	60
MP	65
MR	62

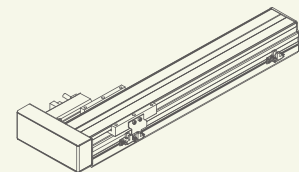
"此款型號不建議當多軸負載軸"  
This model suggest not be used as load axis of multi axes.



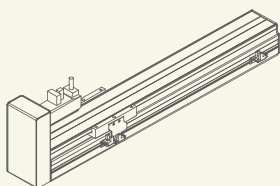
M2



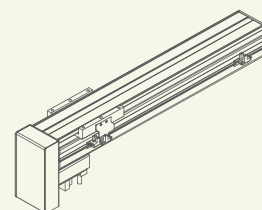
M3



M4



M5



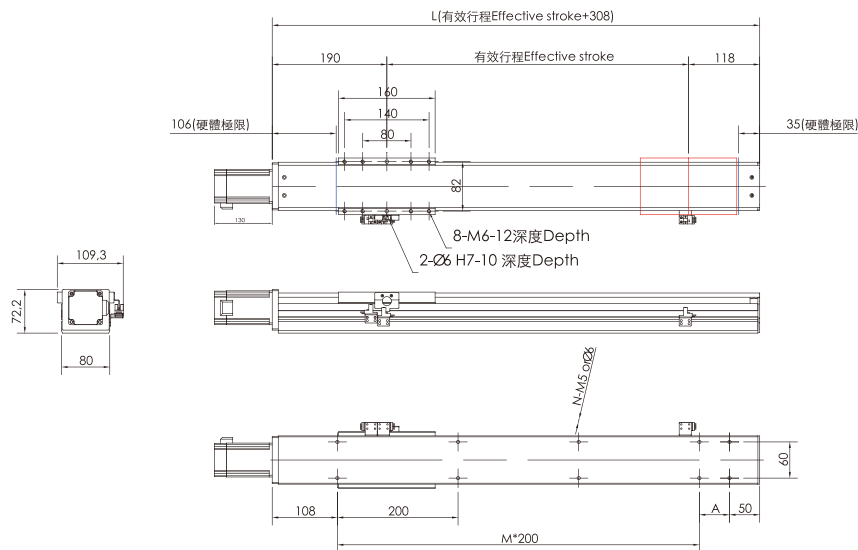
M6

# M80D



自帶馬達螺桿 Ball Screw with Motor

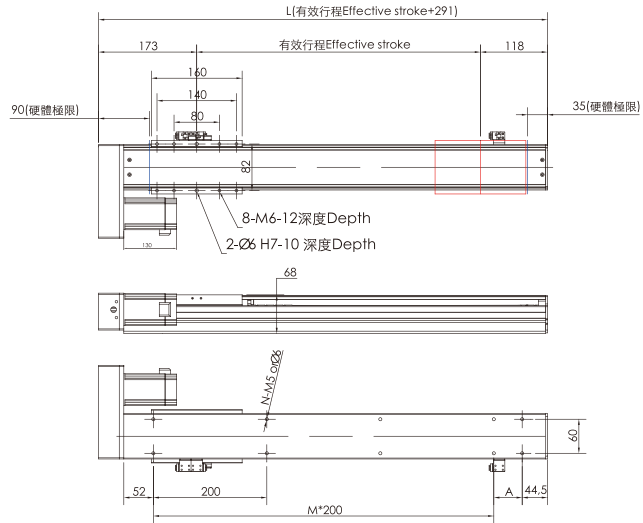
# M2



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	408	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
重量(kg)	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9

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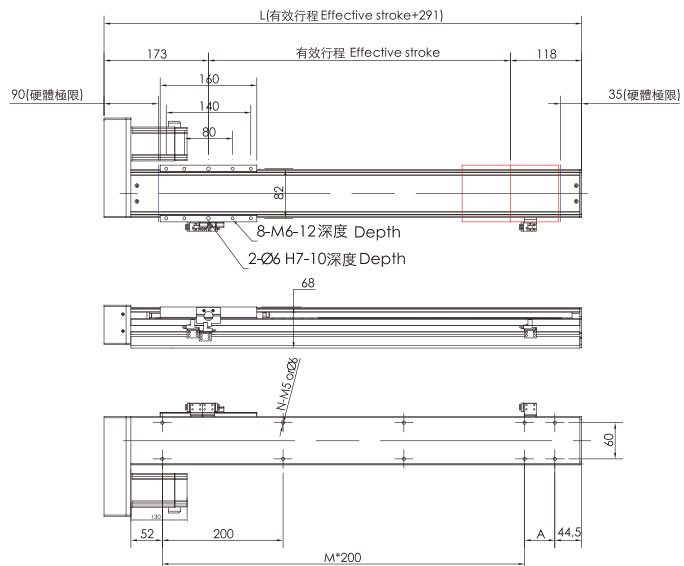
## M3



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	391	441	491	541	591	641	691	741	791	841	891	941	991	1041	1091	1141	1191	1241
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
重量(kg)	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9	10.2	10.5

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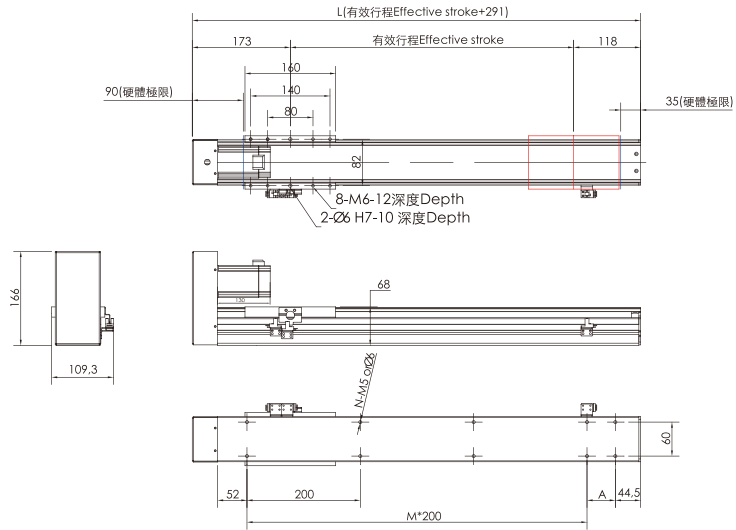
## M4



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	391	441	491	541	591	641	691	741	791	841	891	941	991	1041	1091	1141	1191	1241
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
重量(kg)	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9	10.2	10.5

※本公司享有變更規格之權益，恕不另行通知 ※Drawings and specifications are subject to change without prior notice.

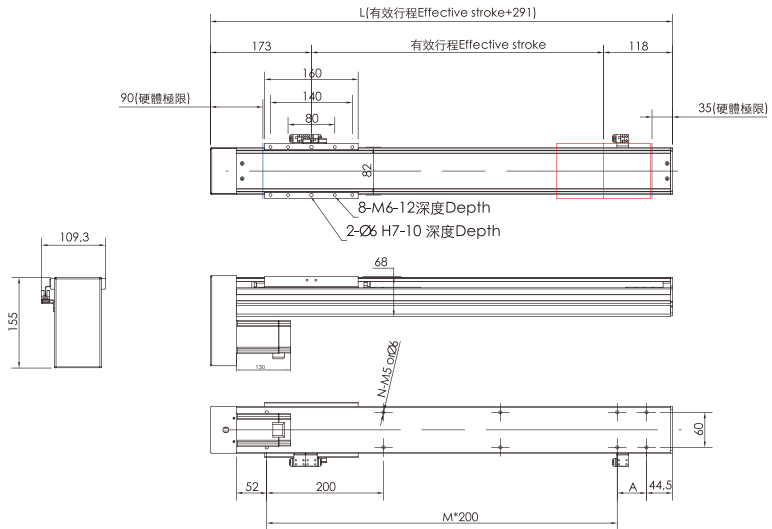
# M5



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	391	441	491	541	591	641	691	741	791	841	891	941	991	1041	1091	1141	1191	1241
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
重量(kg)	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9	10.2	10.5

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# M6



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	391	441	491	541	591	641	691	741	791	841	891	941	991	1041	1091	1141	1191	1241
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
重量(kg)	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9	10.2	10.5

※本公司享有變更規格之權益，恕不另行通知 ※Drawings and specifications are subject to change without prior notice.

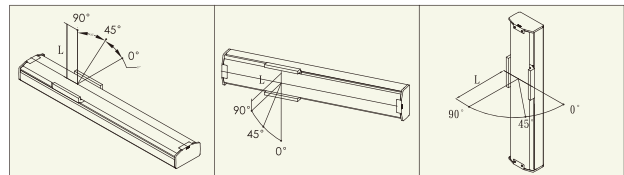
## M100D -YL10- S100 - M2- TM 57

型號 Model	孔型與導程 Hole type and lead	行程 Stroke	馬達方向 Motor direction	驅動器規格 Driver model	馬達規格 Motor spec
	T 底部通孔 Through hole			TO:T OPEN驅動器 T OPEN Driver	
	Y 底部牙孔 Thread hole			TM:T STEP驅動器 T STEP Driver	
		M2 馬達外置 Motor outside position		TS:T SERVO驅動器 T SERVO Driver	
		M3 馬達外置右側 Motor outside ,rightward position			
		M4 馬達外置左側 Motor outside ,rightward position			
		M5 馬達外置上方 Motor outside ,upper position			
		M6 馬達外置下方 Motor outside ,lower position			

### M100D規格表(M100D Specification)

馬達出力 Step motor output	57步進				
重複定位精度 Repeatability(mm)	±0.01				
滾珠絲桿外徑 B.S(Φ)	Ø16				
滾珠螺桿導程 Lead(mm)	5	10	16	20	
最快速度 Maximum speed(mm/sec)	100	200	320	400	
最大載重 Maximum payload(kg)	水平使用 (H)	40	20	14	10
	垂直使用 (V)	16	8	6	3.5
額定推力 Rated thrus(N)	600	300	150	80	
行程 Stroke(mm)	100-1050 50間隔 (interval)				

### 線性滑軌 12x8-2 支

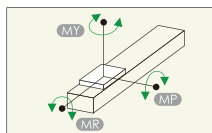


水平安裝應用: 單位Unit:mm Horizontal use				牆面安裝應用: 單位Unit:mm Wall installation use				垂直安裝應用: 單位Unit:mm During vertical use						
導程 Lead	荷重 Payload	0°	45°	90°	導程 Lead	荷重 Payload	0°	45°	90°	導程 Lead	荷重 Payload	0°	45°	90°
100	5kg	276	136	483	100	5kg	462	223	146	100	3.5kg	380	160	370
125	7kg	150	96	336	125	7kg	334	140	96	125	6.0kg	345	112	342
150	10kg	80	72	221	150	10kg	213	76	73	150	8.0kg	320	108	220
175	8kg	270	130	432	175	8kg	481	242	150	175	16kg	330	120	310
200	11kg	148	90	310	200	11kg	306	123	80	200	15kg	382	96	13
225	14kg	79	69	213	225	14kg	136	36	42	225	20kg	121	6	0
250	8kg	276	136	483	250	8kg	524	166	83	250	20kg	270	130	432
275	15kg	150	96	336	275	15kg	382	96	13	275	30kg	362	12	7
300	20kg	80	72	221	300	20kg	121	6	0	300	40kg	79	69	1220
325	15kg	150	96	336	325	15kg	382	96	13	325	40kg	79	69	1220
350	20kg	80	72	221	350	20kg	121	6	0	350	40kg	79	69	1220
375	20kg	270	130	432	375	20kg	623	41	36	375	40kg	79	69	1220
400	30kg	148	90	310	400	30kg	362	12	7	400	40kg	79	69	1220
425	40kg	79	69	213	425	40kg	0	0	0	425	40kg	79	69	1220

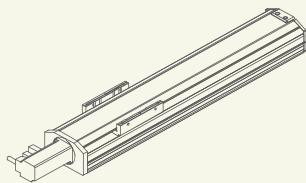
\*滑塊表面中心到搬送物重心的距離(僅供參考)  
Distance center of slider top to center of gravity of object being transported (For reference only)

靜態容許負載慣量  
Static Loading Moment

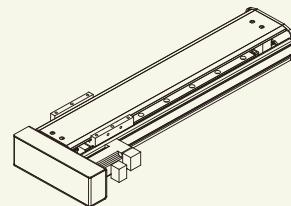
(單位:N.m) ( Unit:N.m)  
水平使用時 Static Loading Moment



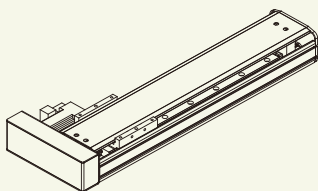
MY	480
MP	476
MR	444



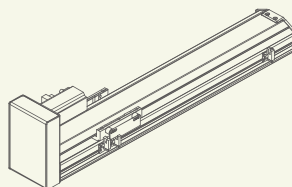
M2



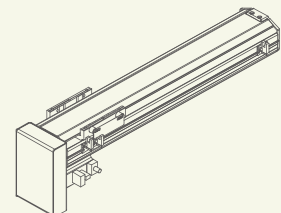
M3



M4



M5



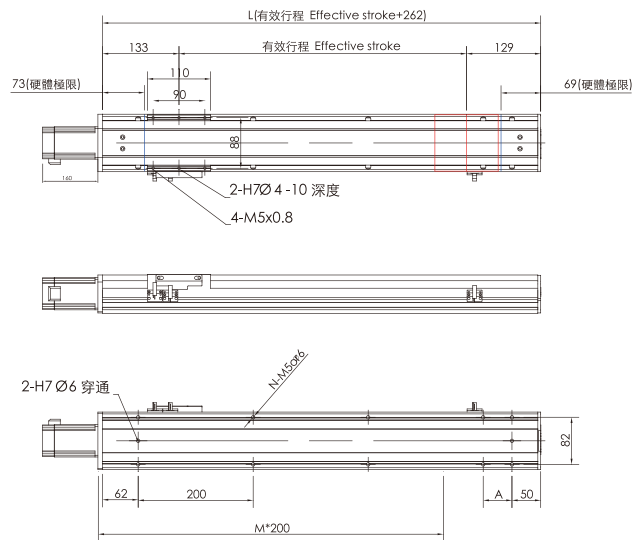
M6

# M100D



自帶馬達螺桿 Ball Screw with Motor

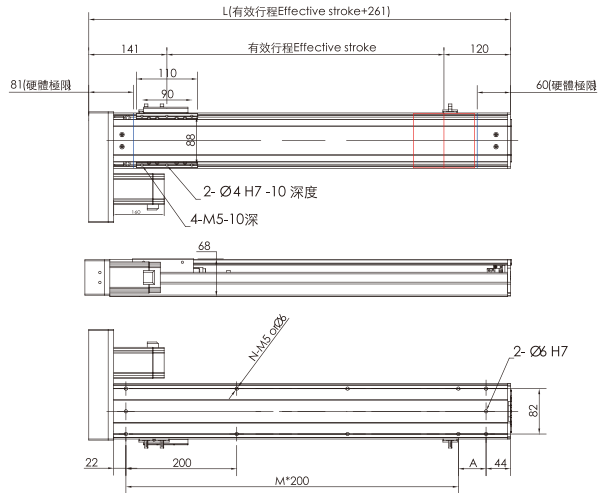
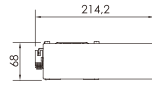
## M2



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	362	412	462	512	562	612	662	712	762	812	862	912	962	1012	1062	1112	1162	1212
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
重量(kg)	4.2	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.2	8.6	9.0	9.4	9.8	10.2	10.6	11.8

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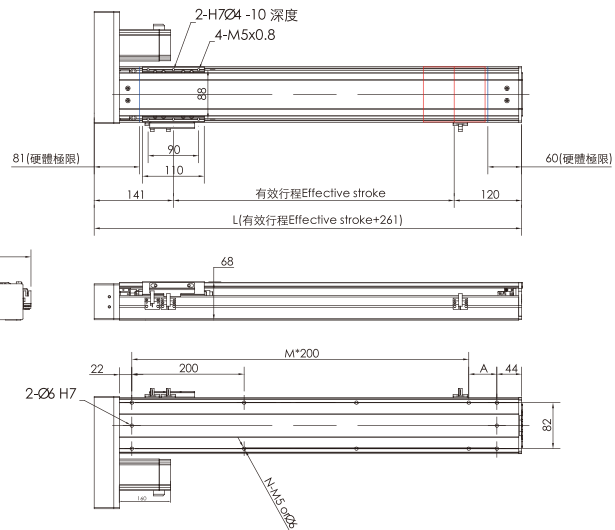
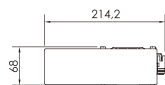
## M3



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	361	411	461	511	561	611	661	711	761	811	861	911	961	1011	1061	1111	1161	1211
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
重量(kg)	5.5	5.9	6.3	6.7	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.9	10.3	11.7	11.1	11.5	11.9	12.3

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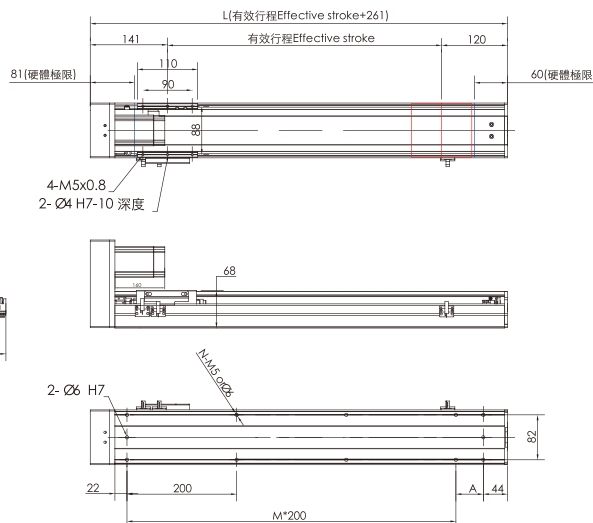
## M4



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	361	411	461	511	561	611	661	711	761	811	861	911	961	1011	1061	1111	1161	1211
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
重量(kg)	5.5	5.9	6.3	6.7	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.9	10.3	11.7	11.1	11.5	11.9	12.3

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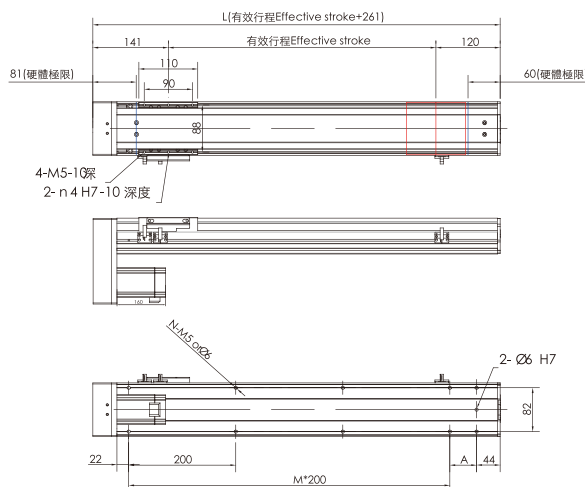
# M5



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	361	411	461	511	561	611	661	711	761	811	861	911	961	1011	1061	1111	1161	1211
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
重量(kg)	5.5	5.9	6.3	6.7	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.9	10.3	11.7	11.1	11.5	11.9	12.3

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# M6



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	361	411	461	511	561	611	661	711	761	811	861	911	961	1011	1061	1111	1161	1211
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
重量(kg)	5.5	5.9	6.3	6.7	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.9	10.3	11.7	11.1	11.5	11.9	12.3

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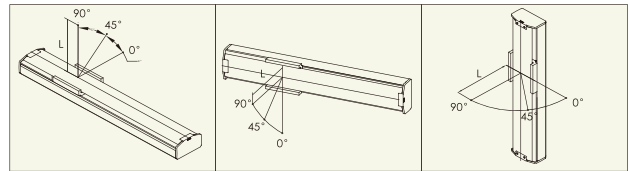
## M136D-YL10-S100-M2-TM 57

型號 Model	孔型與導程 Hole type and lead	行程 Stroke	馬達方向 Motor direction	驅動器規格 Driver model	馬達規格 Motor spec
	T 底部通孔 Through hole Y 底部牙孔 Thread hole	M2 馬達外置 M3 馬達外置右側 M4 馬達外置左側 M5 馬達外置上方 M6 馬達外置下方	Motor outside position Motor outside ,rightward position Motor outside ,rightward position Motor outside ,upper position Motor outside ,lower position	TO:T OPEN驅動器 T OPEN Driver TM:T STEP驅動器 T STEP Driver TS:T SERVO驅動器 T SERVO Driver	

### M136D規格表(M136D Specification)

馬達出力 Step motor output	57步進				
重複定位精度 Repeatability(mm)	±0.01				
滾珠絲桿外徑 B.S(Ø)	Ø16		Ø20		
滾珠螺桿導程 Lead(mm)	5	10	16	20	
最快速度 Maximum speed(mm/sec)	100	200	320	400	
最大載重 Maximum payload(kg)	水平使用 (H)	50	26	18	12
	垂直使用 (V)	18	9	6	3.5
額定推力 Rated thrus(N)	600	300	150	80	
行程 Stroke(mm)	100-1050 50間隔 (interval)				

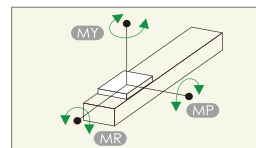
### 線性滑軌 12x8-2 支



水平安裝應用: 單位Unit:mm Horizontal use					牆面安裝應用: 單位Unit:mm Wall installation use					垂直安裝應用: 單位Unit:mm During vertical use				
導程 Lead	荷重 Payload	0°	45°	90°	導程 Lead	荷重 Payload	0°	45°	90°	導程 Lead	荷重 Payload	0°	45°	90°
6k	6kg	276	136	483	6k	6kg	462	223	146	6k	4kg	380	160	370
9k	9kg	150	96	336	9k	9kg	334	140	96	9k	6.0kg	345	112	342
12k	12kg	80	72	221	12k	12kg	213	76	73	12k	9.0kg	320	108	220
10k	10kg	270	130	432	10k	10kg	481	242	150	10k	18kg	320	108	220
14k	14kg	148	90	310	14k	14kg	306	123	80	14k	18kg	330	120	310
18k	18kg	79	69	213	18k	18kg	136	36	42	18k	18kg	330	120	310
9k	9kg	276	136	483	9k	9kg	524	166	83	9k	18kg	330	120	310
18k	18kg	150	96	336	18k	18kg	382	96	13	18k	18kg	330	120	310
26k	26kg	80	72	221	26k	26kg	121	6	0	26k	18kg	330	120	310
30k	30kg	270	130	432	30k	30kg	623	41	36	30k	18kg	330	120	310
40k	40kg	148	90	310	40k	40kg	362	12	7	40k	18kg	330	120	310
50k	50kg	79	69	1220	50k	50kg	0	0	0	50k	18kg	330	120	310

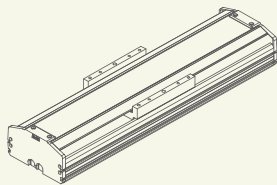
\*滑塊表面中心到搬送物重心的距離(僅供參考)  
Distance center of slider top to center of gravity of object being transported (For reference only)

靜態容許負載慣量  
Static Loading Moment

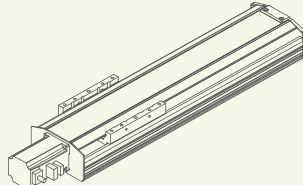


(單位:N.m) ( Unit:N.m)  
水平使用時 Static Loading Moment

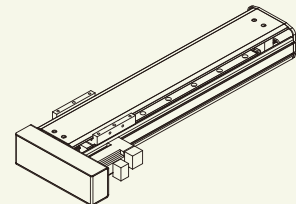
MY	480
MP	476
MR	444



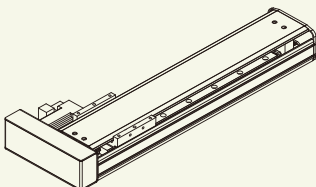
M1



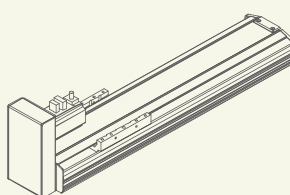
M2



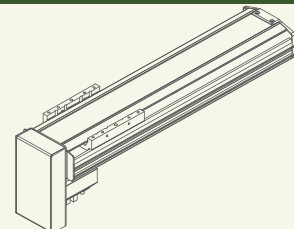
M3



M4

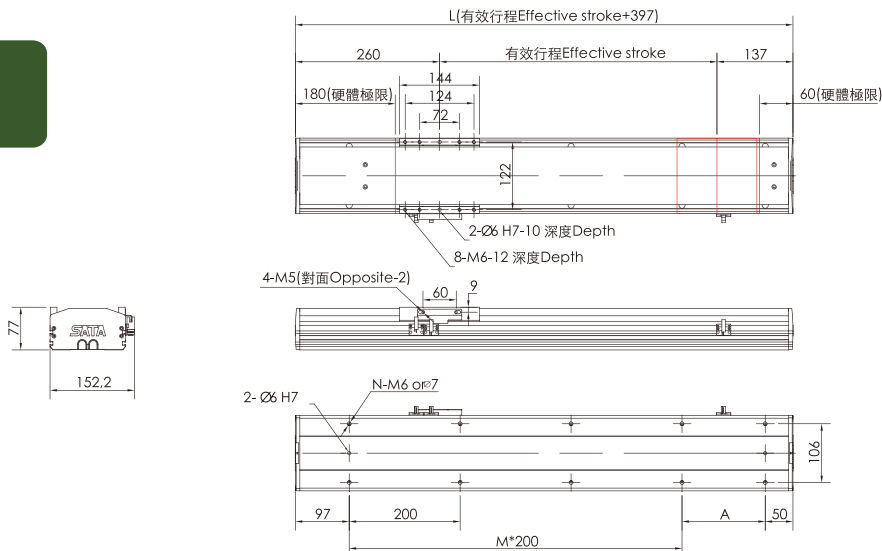


M5



M6

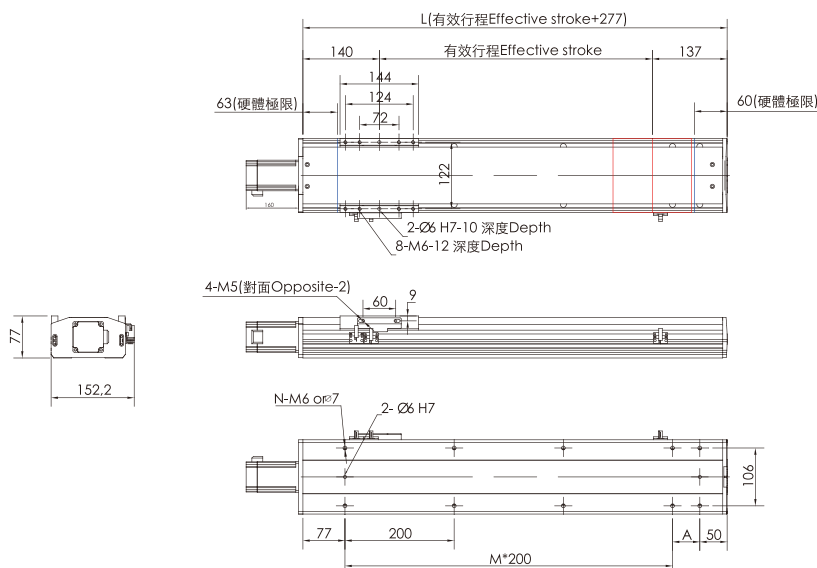
# M1



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	497	547	597	647	697	747	797	847	897	947	997	1047	1097	1147	1197	1247	1297	1347	1397	1447
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
重量(kg)	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5

※本公司享有變更規格之權益，恕不另行通知 ※Drawings and specifications are subject to change without prior notice

# M2

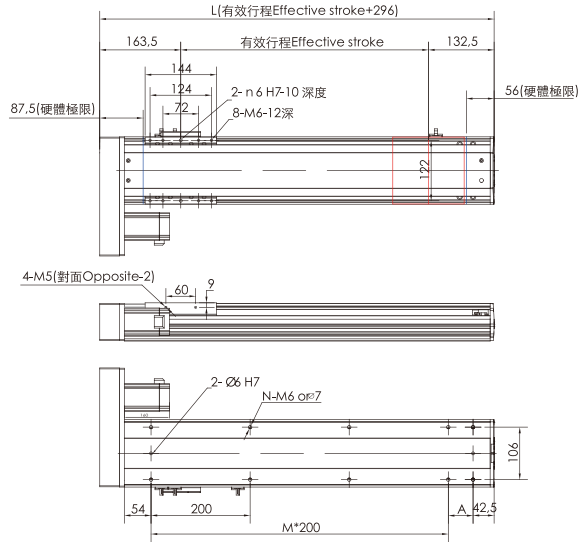
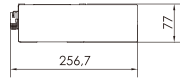


行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	377	427	477	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
重量(kg)	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6	14.1	14.6	15.1	15.6	16.1

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## M3

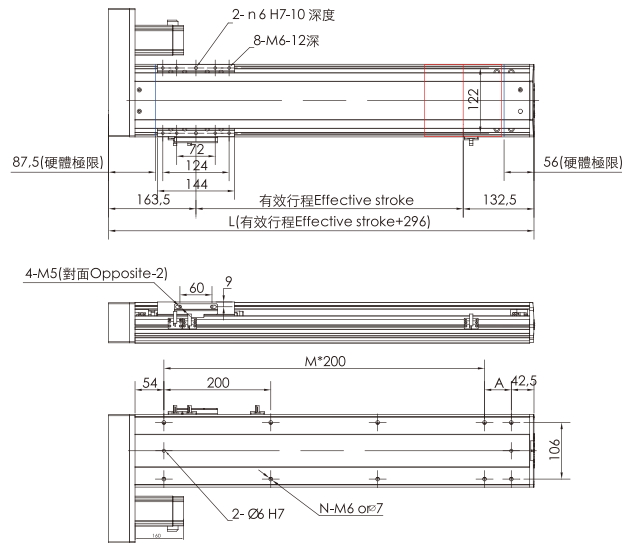
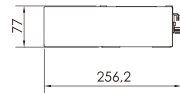
自帶馬達螺桿 Ball Screw With Motor



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	396	446	496	546	596	646	696	746	796	846	896	946	996	1046	1096	1146	1196	1246	1296	1346
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
重量(kg)	8.9	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3

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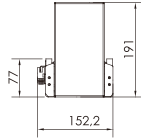
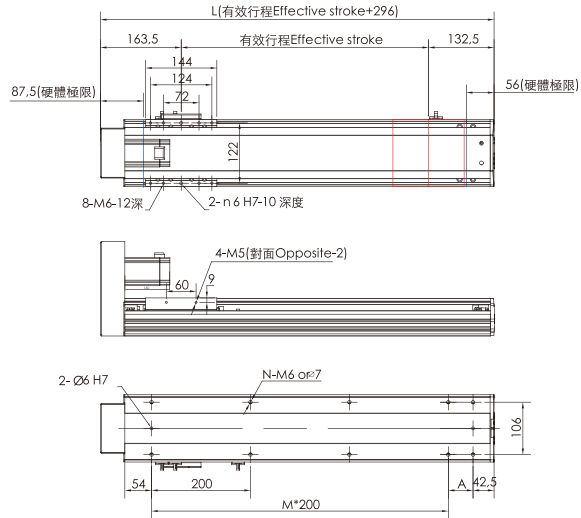
## M4



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	396	446	496	546	596	646	696	746	796	846	896	946	996	1046	1096	1146	1196	1246	1296	1346
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
重量(kg)	8.9	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3

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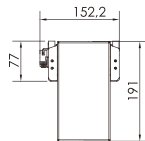
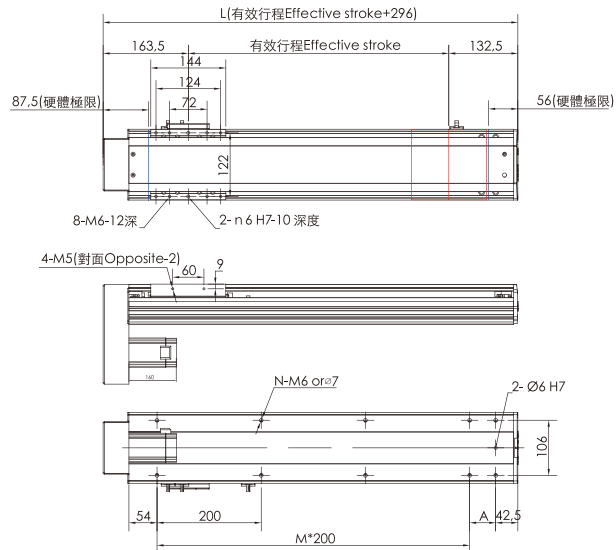
# M5



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	396	446	496	546	596	646	696	746	796	846	896	946	996	1046	1096	1146	1196	1246	1296	1346
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
重量(kg)	8.9	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3

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# M6



行程	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	396	446	496	546	596	646	696	746	796	846	896	946	996	1046	1096	1146	1196	1246	1296	1346
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
重量(kg)	8.9	9.3	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3

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## 驅動器(Driver) T-OPEN



### \*功能特點 (Features)

- 輸入電源：DC 24V - 48V  
Input power: DC 24v-48v
- 八檔電流選擇  
Eight current selection
- PWM 恒流雙極性細分驅動  
PWM constant current bipolar subdivision drive
- 十六檔細分選擇  
16 subdivision options
- 單/雙排脈衝選擇  
Single/double pulse selection
- 光電隔離輸入功能，5-24VDC 相容輸入  
Photoelectric isolation input function, 5-24vdc compatible input
- 馬達短路保護功能  
Motor short circuit protection function
- 試運行功能，設計精巧、噪音低、振動小，具有離線功能  
The function of test run is compact design, low noise and low vibration with offline function

T-OPEN 混合式步進馬達驅動器，能與多種步進馬達配接。廣泛應用於各種數控機床、包裝機械、紡織機械、工藝繡品機械、印刷機械、鐳射雕刻、切割機等工業自動化控制領域。我公司獨立生產製造的驅動器精巧實用、輸出扭矩高、適應性寬、靈活性大、性價比高，受到廣大用戶的青睞。

T-OPEN hybrid stepper motor driver, which can be connected with a variety of stepper motors. Widely used in a variety of CNC machine tools, packaging machinery, textile machinery, process embroidery machinery, printing machinery, laser engraving, cutting machines and other industrial automation control areas.

The drive manufactured by our company is exquisite and practical, with high output torque, wide adaptability, great flexibility and high cost performance.

### \*技術參數 Specification

驅動器型號 Driver model		T-OPEN
適配馬達 Adaptation motor		適配兩相混合式步進馬達，T-OPEN最大適配4.5A Suitable for two-phase hybrid stepping motor, SD244 with A maximum fit of 4.5a
電源供電 Power supply		24-48V DC
輸出電流 Power supply		T-OPEN: 1.0A-4.5A/相
驅動方式 Drive method		全橋雙極性PWM驅動 Full bridge bipolar PWM drive
輸入信號 The input signal	脈衝信號 The pulse signal	光耦輸入電壓 H=3.5-26V,L=0-0.8V      導通電流 6-15mA The optocoupler input voltage H= 3.5-26v,L= 0-0.8v      Conduction current 6-15 ma
	離線信號 Off-line signal	
	方向信號 The direction of the signal	
尺寸 size		118 x 78 x 34mm
重量 weight		約 300 克 About 300 grams
使用環境 environment	使用場合 Use occasions	避免粉塵，油霧及腐蝕性氣體 Avoid dust, oil mist and corrosive gases
	濕度 humidity	< 85%RH, 無凝露 < 85% RH, no condensation
	溫度 temperature	0° C - +40° C
	散熱 Heat dissipation	安裝在通風環境中 Installed in a ventilated environment

## 驅動器(Driver)T-STEP

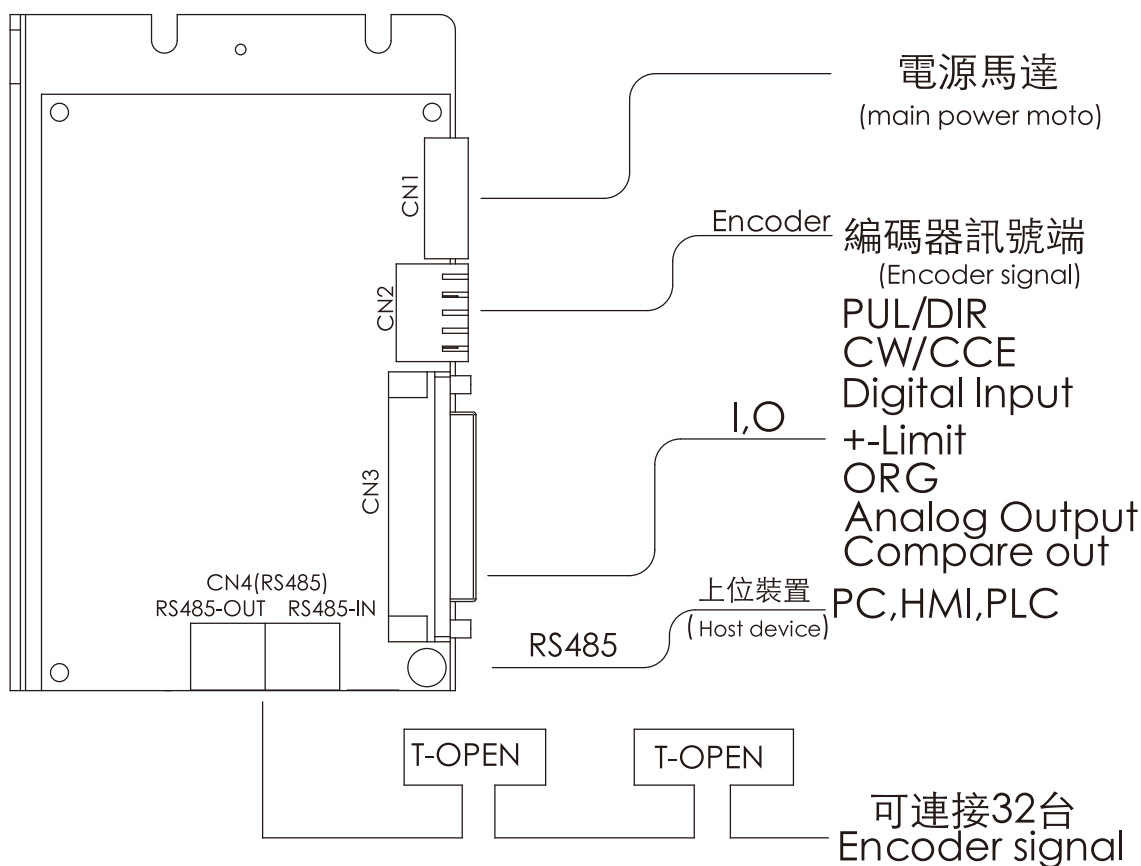


### \*產品特點(Features)

- 最高脈衝響應頻率可達500KHZ  
The best impulse response frequency can reach 500KHZ
- 力矩衰減小，轉速可達3000rpm  
Torque reduce is small, speed can reach at 3000rpm
- 內置到位和輸出報警，方便監測和控制  
Built-in in place and output alarm, convenient monitoring and control
- 智能調節電流，減少震動，噪聲和發熱，效率提高30%  
Intelligently adjust the current, reduce vibration, noise, heat and increase efficiency by 30%
- 具有單雙脈衝選擇功能，出廠默認值為：脈衝+方向控制  
The default value is: pulse + direction control
- 優異的高速性能和剛性，完美的融合伺服和步進電機的優點於一身  
Excellent high speed performance and rigidity, perfect integration of advantages of servo and stepper motor
- 具有內部位置控制模式，單驅動可以進行定位運行  
With internal position control mode, single drive can be positioned for operation
- 輸入電壓：24V~48V  
Input voltage
- 寬電壓輸入：24V~48V  
Wide voltage input
- Rs458通訊  
Rs458 communication

T-STEP驅動器帶有閉環驅功能，高速力矩的效率相對於傳統產品會大幅度提升，有效降低電機發熱和震動從而提升機器的加工效率和精度。該驅動器採用基於負載的電流控制技術，可以有效降低電機發熱，延長電機使用壽命，驅動器內置的到位和報警輸出信號，方便上位機進行監測和控制保證了加工設備安全運行。

T-STEP With the function of closed loop, the efficiency of high-speed torque will be greatly improved compared with the traditional product, effectively reducing the heating and vibration of the motor, thus improving the machining efficiency and accuracy of the machine. It is convenient for the upper computer to check and control the operation safety.



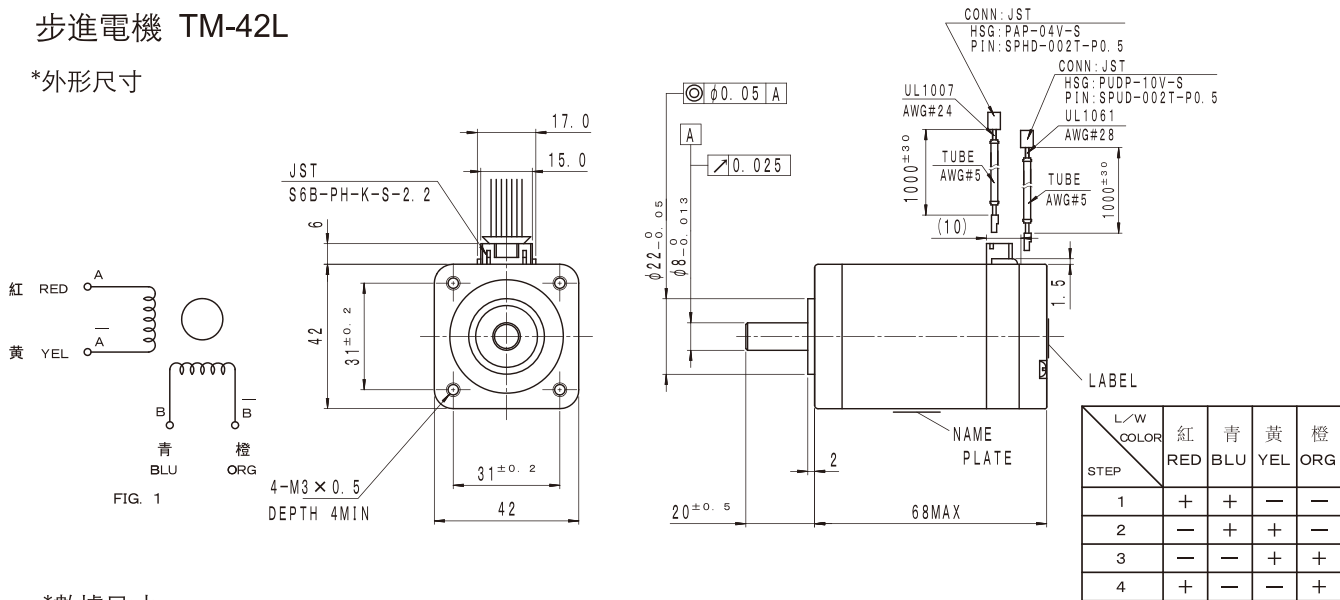
## \*規格參數 Specifications

項目(tems)	內容 (content)	備註 (Remarks)
型號 Model	T-STEP	
輸入電源電壓 Input voltage	DC 24V ± 10%	T-STEP額定3A,最大6A
	DC 48V ± 10%	T-STEP額定1.5A,最大4.5A
額定輸出電流 Rated Current	T-STEP 3A (0-peak)	
最大輸出電流 maximum current	T-STEP 4.5A (0-peak)	
控制對象電機 controlled object	附編碼器2相步進電機 Encoder 2 phase stepper motor is attached	
驅動方式 Drive	PWM恆流驅動 utof wave driven	
介面 interface	輸入：脈衝，方向（可配置為數位輸入）數位輸入 5個，編碼器輸入（A,B,Z） Input: pulse, direction (can be configured as digital input) 5 digital input, encoder input (A,B,Z) 輸出：數位輸出4個，編碼信號輸出（差動A,B,Z） Output: 4 digital output, coded signal output (differential A,B,Z)	除了編碼器輸出為固定，其餘的輸入 輸出均可通過通訊自由設置  In addition to the encoder output fixed, the rest of the input, output can be set freely through communication
數位輸入內容 Input content	/SV ON(Servo On) /RESET(報警復位)-ann reset /START(馬達啟動/停止)-The motor starts and stops /JOG(馬達點動)-Motor points to move /HOME(回零點)-go home	
數位輸出內容 var OutPut	IN POTISION,ALARM	
LED顯示 Display	狀態，故障 State, fault	2種 Form two
通訊,F Communication	RS485，最多16節點	MODBUS協定速率19200bps MODBUS Agreement rate 19200bps
控制方式 Control	位置控制方式 Position control mode	依指令脈衝定位 Position by command pulse
	速度控制方式 speed controlling mod	數位指令 digit unallowable instruction
適合負載慣量 inertia	電機慣量8倍以下 Motor inertia is less than15 times	位置控制，速度控制時 Position control, speed control
基本外形尺寸 measure	W77*D134*H34	
動作溫度，溼度 humidity	0-45℃，85%RH以下	防置冷凝 prevent condensation
保存溫度 Storage Temperature	-20-85℃，85%RH以下	防置冷凝 prevent condensation
環境氣體 Ambient Air	防止腐蝕性氣體 Prevent corrosive gases	

# \*規格參數 Specifications

## 步進電機 TM-42L

\*外形尺寸



\*數據尺寸

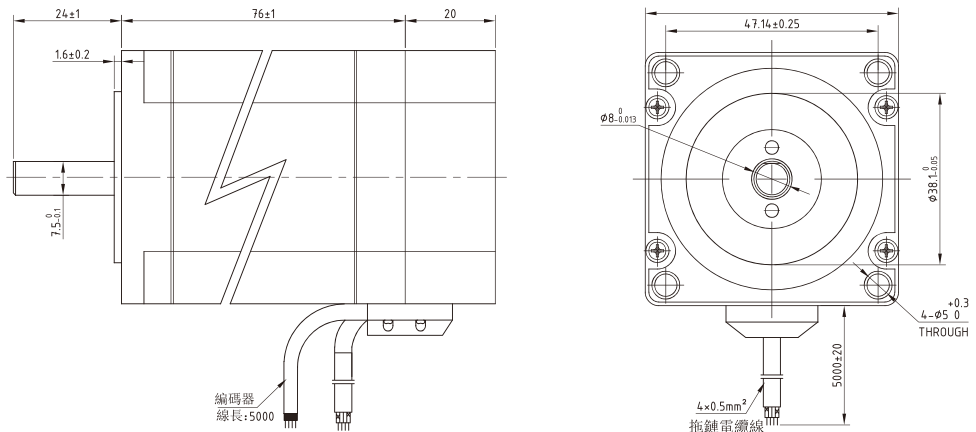
型號	步距角	額定電壓	電機總長度	保持轉矩	額定電流	絕緣抵抗	角度誤差	轉子慣量	電機重量
Model	Step Angle (°)	Voltage (V)	Length L(mm)	Holding torque (N.m)	Current (A/phase)	Resistance (MΩ)	angular (°)	Rotor in (g.cmf)	Weight (kg)
TM-42L	1.8	3	90	0.43	1.68	100	≤ ±0.09	68	0.35

## 步進電機 TM-57L

\*外形尺寸

GX16-8芯

序號	顏色	信號
1	綠	A+
2	棕	A-
3	白	B+
4	灰	B-
5	黃	Z+
6	藍	Z-
7	紅	+5V DC
8	黑	GND



\*數據尺寸

型號	步距角	額定電壓	電機總長度	保持轉矩	額定電流	絕緣抵抗	角度誤差	轉子慣量	電機重量
Model	Step Angle (°)	Voltage (V)	Length L(mm)	Holding torque (N.m)	Current (A/phase)	Resistance (MΩ)	angular (°)	Rotor in (g.cmf)	Weight (kg)
TM-57L	1.8	3	120	2.0	2	100	≤ ±0.09	480	1.1