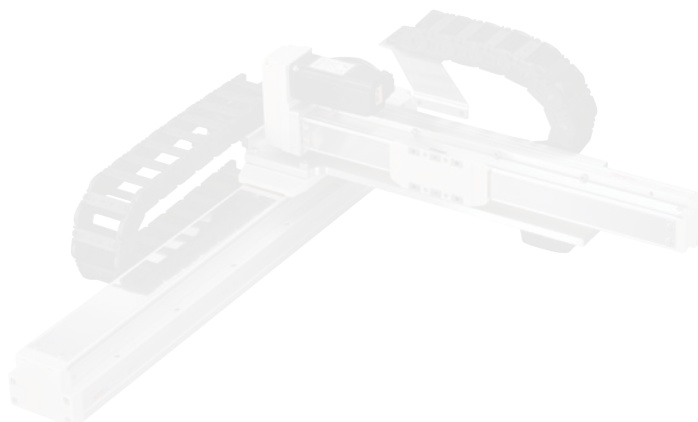


## 滑台系列

## XYGT Series

## 軌道內嵌式直交機械手

## Built-in Linear Motion Guide Multi Axis Ball Screw Type



## CONTENTS

## 懸臂型 A-Type

中負載 Medium payload

## XYGT210-A

2軸 2-axis



X 軸最大行程 1050mm  
Max. stroke of X axis  
Y 軸最大行程 150mm.....535  
Max. stroke of Y axis  
最大可搬運重量 3.1kg  
Max. payload

中負載 Medium payload

## XYGT432-A

3軸 3-axis



X 軸最大行程 1250mm  
Max. stroke of X axis  
Y 軸最大行程 550mm  
Max. stroke of Y axis  
Z 軸最大行程 350mm.....585  
Max. stroke of Z axis  
最大可搬運重量 10kg  
Max. payload

中負載 High payload

## XYGT320-A

2軸 2-axis

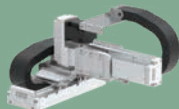


X 軸最大行程 1250mm  
Max. stroke of X axis  
Y 軸最大行程 300mm.....545  
Max. stroke of Y axis  
最大可搬運重量 12kg  
Max. payload

中負載 Medium payload

## XYGT430-A

2軸 2-axis



X 軸最大行程 1250mm  
Max. stroke of X axis  
Y 軸最大行程 600mm.....555  
Max. stroke of Y axis  
最大可搬運重量 24kg  
Max. payload

重負載 High payload

## XYGT440-A

2軸 2-axis



X 軸最大行程 1250mm  
Max. stroke of X axis  
Y 軸最大行程 600mm.....565  
Max. stroke of Y axis  
最大可搬運重量 57kg  
Max. payload

中負載 Medium payload

## XYGT321-A

3軸 3-axis



X 軸最大行程 1250mm  
Max. stroke of X axis  
Y 軸最大行程 250mm  
Max. stroke of Y axis  
Z 軸最大行程 150mm .....575  
Max. stroke of Z axis  
最大可搬運重量 6.4kg  
Max. payload

# 多軸組合說明

## Arm Variations

透過單軸滑台的多重組合，我們開發了 2 軸及 3 軸的多軸手臂操作。

- (1) 與垂直多關節機器人相比，低廉的價格。
- (2) 巧妙的機械設計實現高剛性直交機器人，能減少的振動和變形。
- (3) 單軸滑台各式各樣可能的組合。

Multi axis combination explanation. We have developed 2 and 3 axes multi axis actuator through the multiple combinations of single axis actuators.

- (1) Low cost compared with vertical multi joints robot.
- (2) Ingenious mechanical design making Cartesian robots achieve high rigidity for reducing vibration and deformation.
- (3) Multiple combination of single axis actuator.

懸臂型  
Arm Type

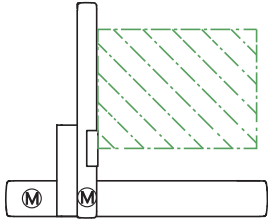


此型為移動 Y 軸帶動工件物。  
The type with moving Y-axis carriage.

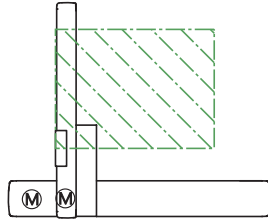
第 535 頁  
Page 535

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Toll-Free Number China Taiwan

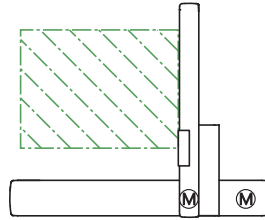
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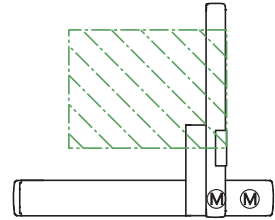
A2



A3



A4



應用例  
Application

一般 / 螺絲仕様  
GTH / GTY / ETH / Y

一般 / 皮帶仕様  
ETB / M

無塵 / 螺絲仕様  
GCH / ECH

無塵 / 皮帶仕様  
ECB

直交連結  
XYGI

參考資料  
Reference

# 多軸模組規格索引

## Spec Index of Multi-Axis Actuator

### XYGT 軌道內嵌螺桿式直交機械手 XYGT Built-in Linear Motion Guide Ball Screw Multi - Axis Actuator

使用環境 Environment	傳動方式 Driven Mode	仕樣 Specification	連結型式 Combination	連結軸數 Axis Numbers	各軸導程 Lead			各軸最高速度 Maximum Speed(mm/s)			各軸行程範圍 Stroke(mm)		
					X 軸 X axis	Y 軸 Y axis	Z 軸 Z axis	X 軸 X axis	Y 軸 Y axis	Z 軸 Z axis	X 軸 X axis	Y 軸 Y axis	Z 軸 Z axis
一般環境 Standard	滾珠螺桿 Ball screw	XYGT210-A	懸臂型 (A) Arm Type	2 軸 2-axis	L20	L2	-	1200	100	-	50~1050	100~150	-
		XYGT320-A			L20	L10	-	1200	600	-	50~1250	100~300	-
		XYGT430-A			L20	L10	-	1200	600	-	50~1250	100~600	-
		XYGT440-A			L20	L20	-	1200	1200	-	50~1250	100~600	-
		XYGT440-A			L20	L20	-	1200	1200	-	50~1250	100~500	-
		XYGT440-A			L10	L10	-	600	600	-	50~1250	100~600	-
		XYGT321-A		L20	L10	L2	1200	600	100	50~1250	100~250	50~150	
		XYGT432-A		L20	L10	L5	1200	600	300	50~1250	100~550	50~350	

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Toll-Free Number China Taiwan

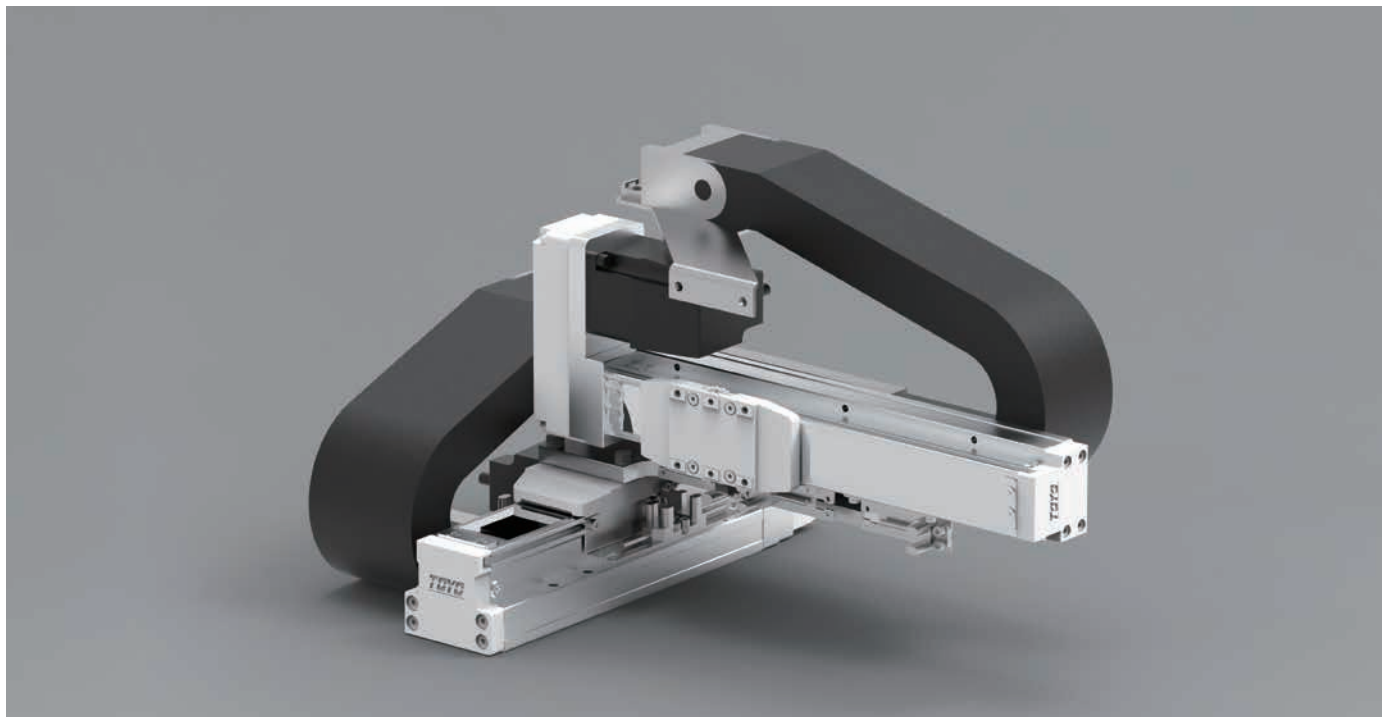
行程 Stroke	Y 軸行程及負荷軸 (Y 軸或 Z 軸) 最大可搬重量												頁數 Page
	50	100	150	200	250	300	350	400	450	500	550	600	
-	3.1	0.42	-	-	-	-	-	-	-	-	-	-	535
-	12	12	10.8	4.8	1.7	-	-	-	-	-	-	-	545
-	24	24	24	24	21	18	13	10	7	4	2	-	555
-	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	7	4	2	-	565
-	26	26	24	19	15	11	7	4	2	-	-	-	575
-	57	56	39	31	26	20	16	12	9	5	3	-	585
-	6.4	6.4	4.85	0.85	-	-	-	-	-	-	-	-	575
-	10	10	10	10	10	10	10	10	7.77	4.77	1.77	-	585

應用例  
Application一般 / 螺桿仕様  
GTH / GTY / EIH / Y一般 / 皮帶仕様  
ETB / M無塵 / 螺桿仕様  
GCH / ECH無塵 / 皮帶仕様  
ECB直交連結  
XYGI參考資料  
Reference

# XYGT210-A 2 軸 /2-axis

▶ 軌道內嵌  
Built-in Linear Motion Guide

▶ 螺桿驅動  
Ball Screw Drive



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.

\* 標準連結滑台不提供同動精度

Assembly accuracy is not guaranteed for the standard multi-axis system.

## 最大行程 Maximum Stroke

X 軸  
X axis

1050mm

Y 軸  
Y axis

150mm

## 最高速度 Maximum Speed

X 軸  
X axis

1200mm/s

Y 軸  
Y axis

100mm/s

## AC 伺服馬達容量 AC Servo Motor Output

X 軸  
X axis

100W

Y 軸  
Y axis

50W

## 基本仕様 Specification

項目 Item	X 軸 X axis	Y 軸 Y axis
軸型式 Model Type	GTH5	GTH4
位置重複精度 Repeatability (mm)	±0.005	±0.005
螺桿導程 Ball Screw Lead (mm)	20	2
最高速度 Maximum Speed (mm/s) ※1	1200	100
標準行程 (50 間隔) Stroke 50 mm Pitch (mm)	50~1050	100~150
AC 伺服馬達容量 AC Servo Motor Output (w)	100	50
使用環境 Environment	0- 40°C ,85% R H Below	

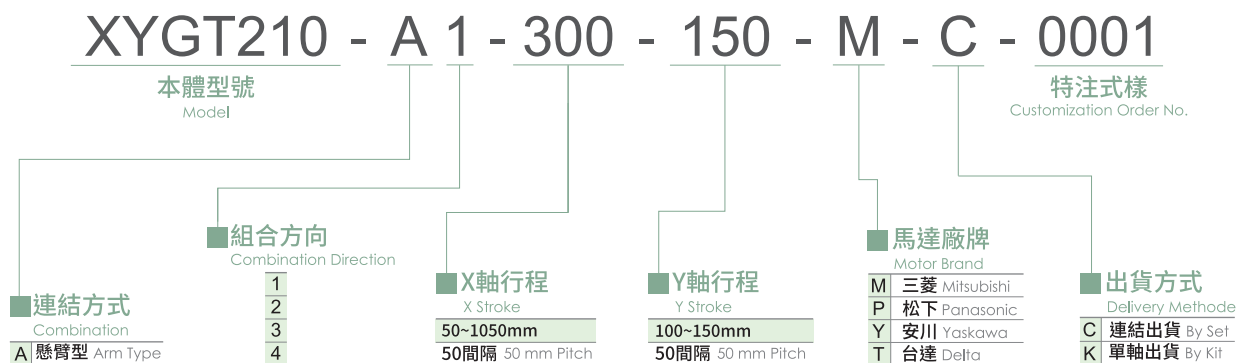
※1: 最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.

## 最大可搬重量 Maximum Payload

Y 軸行程 Y Stroke (mm)	100	150
Y 軸荷重 Y Payload (kg)	3.1	0.42

\* 限定水平安裝。  
Only for horizontal installation.

## 型號表示方式 Ordering Method



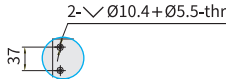
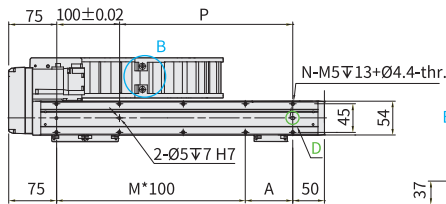
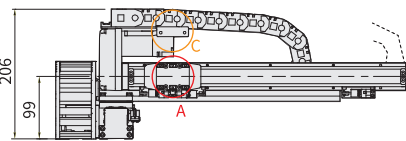
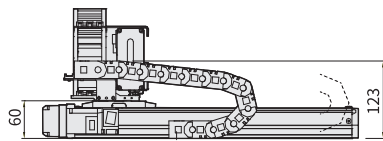
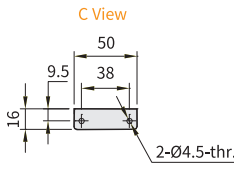
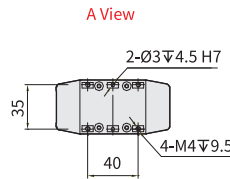
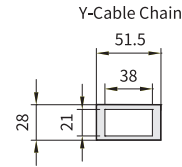
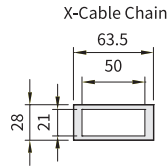
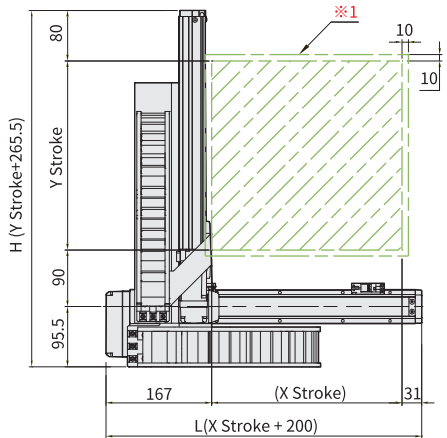
**XYGT210-A1 尺寸圖 Size**

A1

2D CAD 3D CAD

CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm



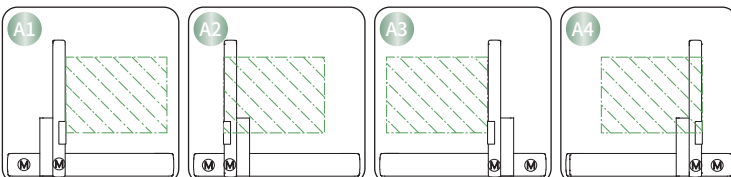
- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
Maximum speed is refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- \* X 軸履帶固定端固定板由客戶自行連結。  
Fixing plate for X axis moving end of cable chain need to be assembled by customers.
- \* Y 軸履帶固定端固定板由客戶自行連結。  
(Fixing palate for Y axis moving end of cable chain need to be assembled by customers.)

※4：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.

X 軸行程 X Stroke (mm)	50 <sup>※4</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25
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	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775	825	875	925	975	1025
最高使用速度 Max. Speed (mm/s)	1200										1167	1000	900	800	700	600	500	467	400	367	333

Y 軸行程 Y Stroke (mm)	100	150
H	365.5	415.5
最高使用速度 Max. Speed (mm/s)	100	

**連結方向 Combination Direction**



**配件規格 Spec. Details**

X 軸詳細規格 X-axis Detail Spec.	→ P105	Y 軸詳細規格 Y-axis Detail Spec.	→ P097
Z 軸詳細規格 Z-axis Detail Spec.	-	馬達廠牌選定 Motor Brand Options.	→ P665





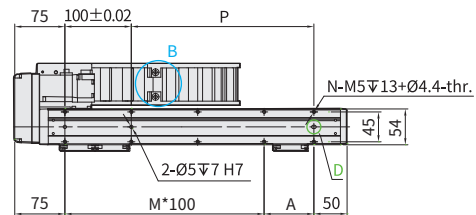
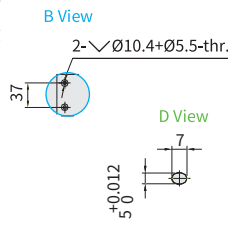
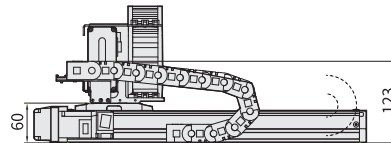
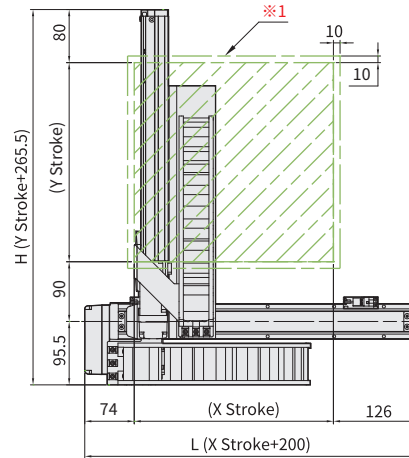
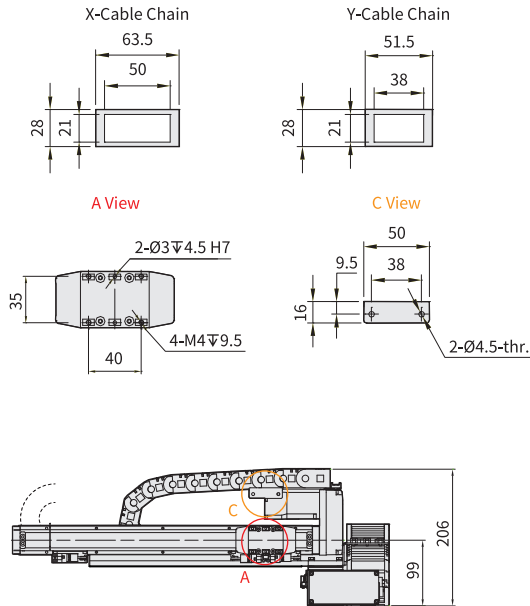
XYGT210-A2 尺寸圖 Size

A2



CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm

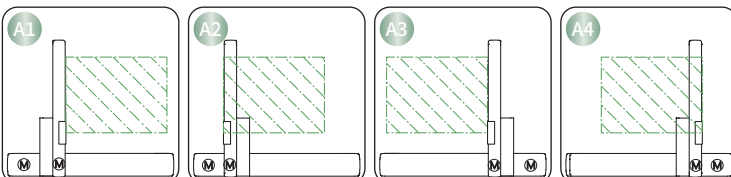


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The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
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(Fixing palate for Y axis moving end of cable chain need to be assembled by customers.)
- ※4：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.

X 軸行程 X Stroke (mm)	50 <sup>※4</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
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最高使用速度 Max. Speed (mm/s)	1200										1167	1000	900	800	700	600	500	467	400	367	333

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H	365.5	415.5
最高使用速度 Max. Speed (mm/s)	100	

連結方向 Combination Direction



配件規格 Spec. Details

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Z 軸詳細規格 Z-axis Detail Spec.	-	馬達廠牌選定 Motor Brand Options.	→ P665



XYGT210-A3 尺寸圖 Size

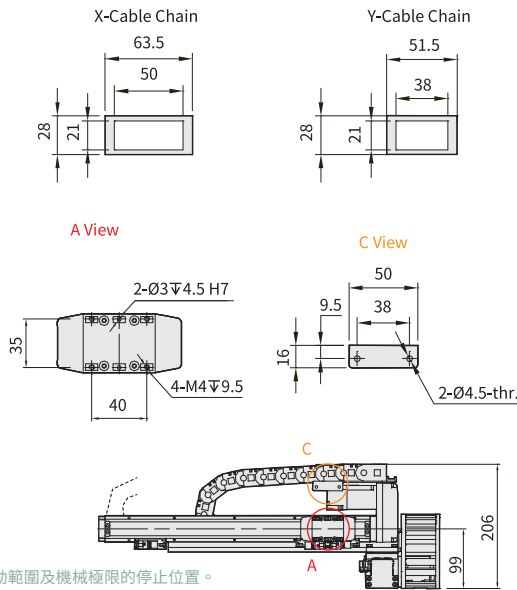
A3

2D CAD

3D CAD

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單位 Unit : mm

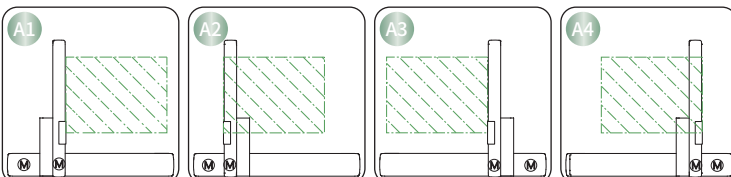


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The moving range of returning origin, the stop position of mechanical limit.
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X 軸行程 X Stroke (mm)	50 <sup>※4</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25
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	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775	825	875	925	975	1025
最高使用速度 Max. Speed (mm/s)	1200										1167	1000	900	800	700	600	500	467	400	367	333

Y 軸行程 Y Stroke (mm)	100	150
H	365.5	415.5
最高使用速度 Max. Speed (mm/s)	100	

連結方向 Combination Direction



配件規格 Spec. Details

X 軸詳細規格 X-axis Detail Spec.	→ P105	Y 軸詳細規格 Y-axis Detail Spec.	→ P097
Z 軸詳細規格 Z-axis Detail Spec.	-	馬達廠牌選定 Motor Brand Options.	→ P665



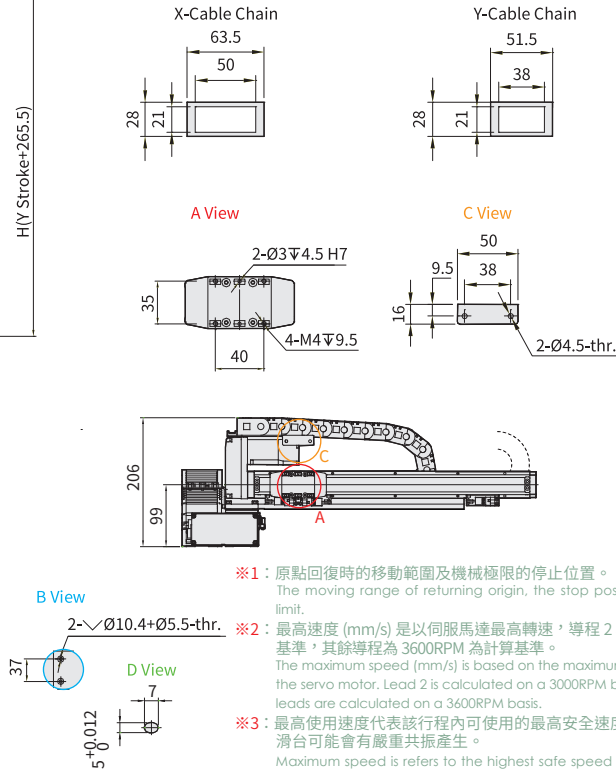
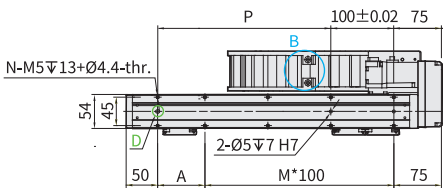
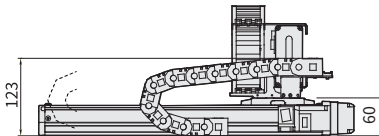
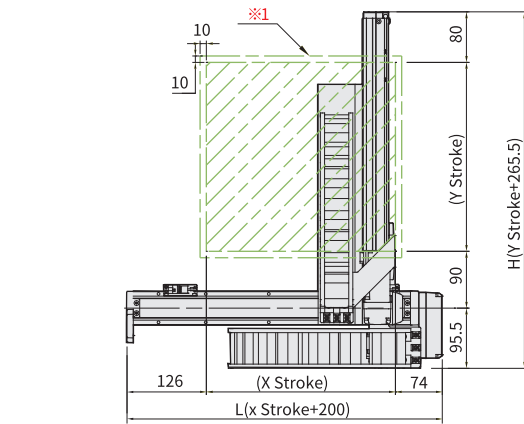
**XYGT210-A4 尺寸圖 Size**

A4



• CAD圖面可至www.toyorobot.com下載 •  
Please download the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm



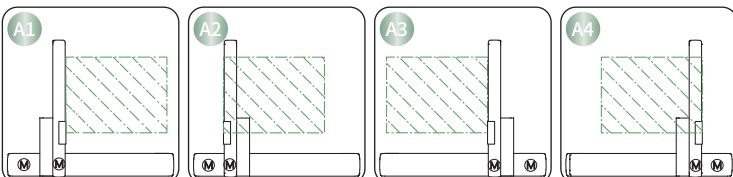
- ※1 : 原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2 : 最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3 : 最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
Maximum speed is refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- \* X 軸履帶固定端固定板由客戶自行連結。  
Fixing plate for X axis moving end of cable chain need to be assembled by customers.
- \* Y 軸履帶固定端固定板由客戶自行連結。  
(Fixing palat for Y axis moving end of cable chain need to be assembled by customers.)

※4 : 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.

X 軸行程 X Stroke (mm)	50 <sup>※4</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25
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	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775	825	875	925	975	1025
最高使用速度 Max. Speed (mm/s)	1200										1167	1000	900	800	700	600	500	467	400	367	333

Y 軸行程 Y Stroke (mm)	100	150
H	365.5	415.5
最高使用速度 Max. Speed (mm/s)	100	

**連結方向 Combination Direction**



**配件規格 Spec. Details**

X 軸詳細規格 X-axis Detail Spec.	→ P105	Y 軸詳細規格 Y-axis Detail Spec.	→ P097
Z 軸詳細規格 Z-axis Detail Spec.	-	馬達廠牌選定 Motor Brand Options.	→ P665

# XYGT210-A4 2軸 /2-axis

## XYGT210-A4 尺寸圖 Size

A4

履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

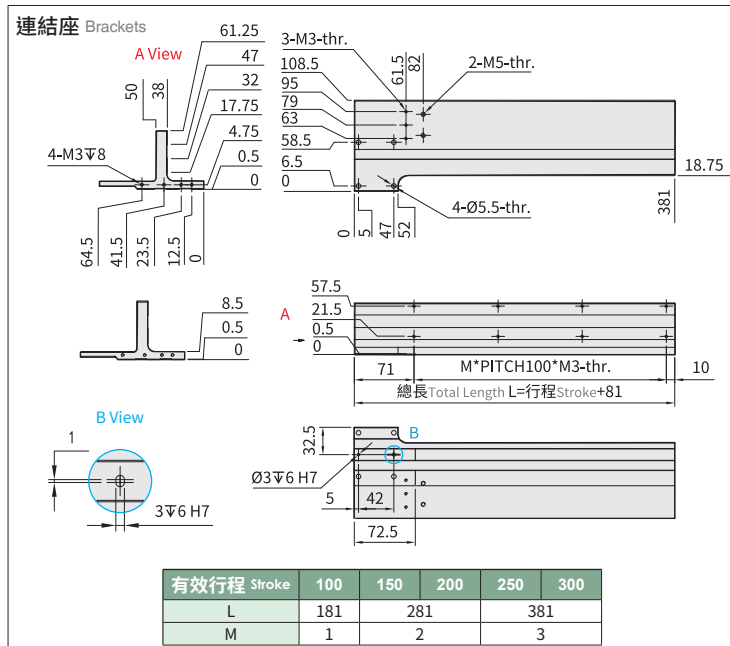
	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000345	IGUS-1500.050.035.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000321	IGUS-1500.038.048.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
X 軸使用節數 Number For Pitch of X Axis		7	8	9	10	10	11	12	13	13	14	15	16	16	17	18	19
Y 軸使用節數 Number For Pitch of Y Axis			13	14	14	15	16										

束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9



連結座各行程對應料號

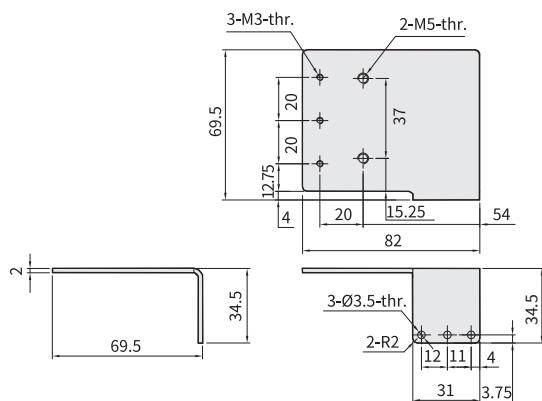
Part Number of Brackets According to Strokes

料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000040	100	XYGT210-A1/A4-行程 100-長 181 XYGT210-A1/A4-Stroke 100-Length 181
11033-000041	150~200	XYGT210-A1/A4-行程 150(200)-長 281 XYGT210-A1/A4-Stroke 150(200)-Length 281
11033-000042	250~300	XYGT210-A1/A4-行程 250(300)-長 381 XYGT210-A1/A4-Stroke 250(300)-Length 381

X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000479

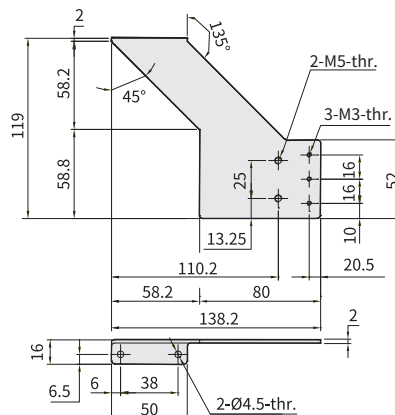
材質 Material : SUS304

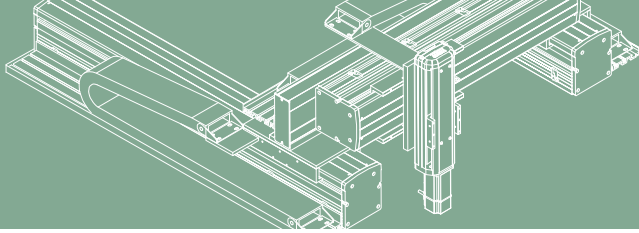


Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000480

材質 Material : SUS304





免費服務專線：大陸 400-875-0009 台灣 0800-800-893  
Toll-Free Number China Taiwan

應用例  
Application

一般 / 螺桿仕様  
GTH / GTY / ETH / Y

一般 / 皮帶仕様  
ETB / M

無塵 / 螺桿仕様  
GCH / ECH

無塵 / 皮帶仕様  
ECB

直交連結  
XYGI

參考資料  
Reference

## Memo

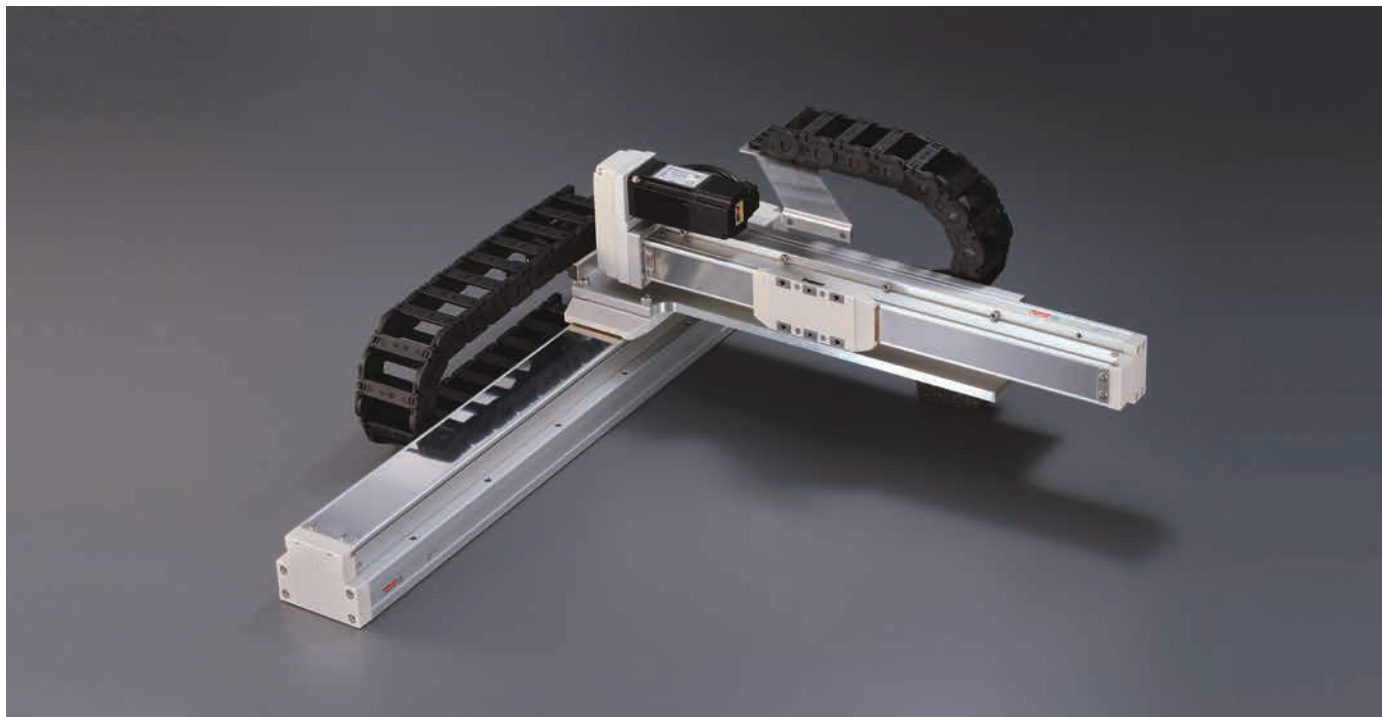
XYGT Series

XYGT-A

# XYGT320-A 2軸 /2-axis

▶ 軌道內嵌  
Built-in Linear Motion Guide

▶ 螺桿驅動  
Ball Screw Drive



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.

\* 標準連結滑台不提供同動精度。  
Assembly accuracy is not guaranteed for the standard multi-axis system.

## 最大行程 Maximum Stroke

X 軸  
X axis

1250mm

Y 軸  
Y axis

300mm

## 最高速度 Maximum Speed

X 軸  
X axis

1200mm/s

Y 軸  
Y axis

600mm/s

## AC 伺服馬達容量 AC Servo Motor Output

X 軸  
X axis

200W

Y 軸  
Y axis

100W

## 基本仕様 Specification

項目 Item	X 軸 X axis	Y 軸 Y axis
軸型式 Model Type	GTH8	GTH5
位置重複精度 Repeatability (mm)	±0.005	±0.005
螺桿導程 Ball Screw Lead (mm)	20	10
最高速度 Maximum Speed (mm/s) ※1	1200	600
標準行程 (50 間隔) Stroke 50 mm Pitch (mm)	50~1250	100~300
AC 伺服馬達容量 AC Servo Motor Output (w)	200	100
使用環境 Environment	0- 40°C ,85% R H Below	

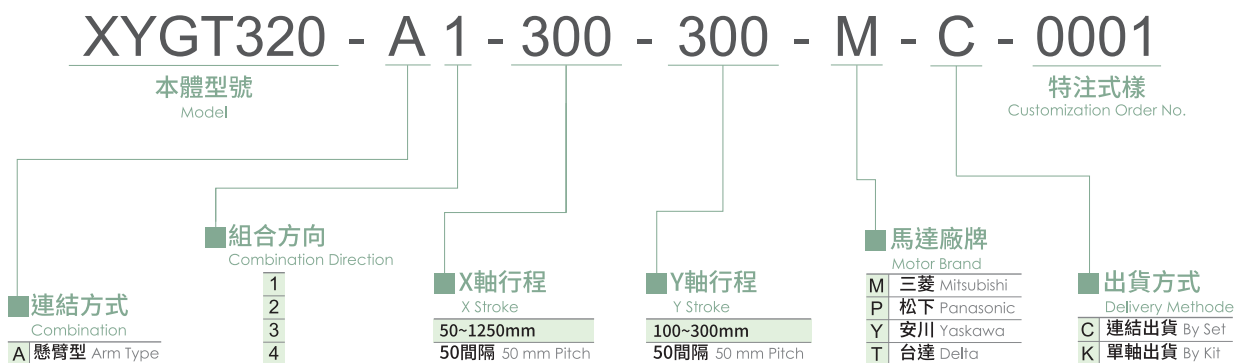
※1: 最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.

## 最大可搬重量 Maximum Payload

Y 軸行程 Y Stroke (mm)	100	150	200	250	300
Y 軸荷重 Y Payload (kg)	12	12	10.8	4.8	1.7

\* 限定水平安裝。  
Only for horizontal installation.

## 型號表示方式 Ordering Method



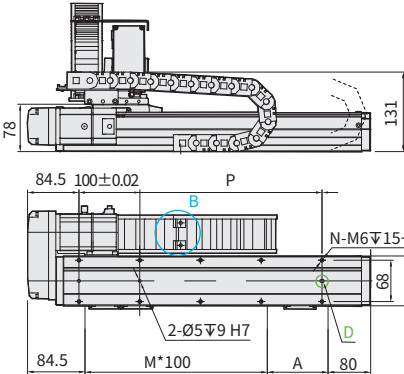
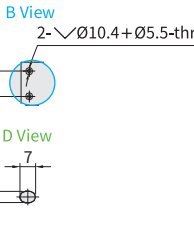
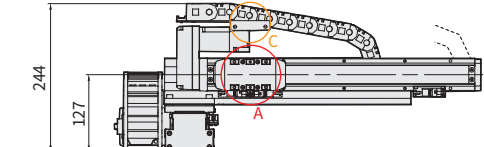
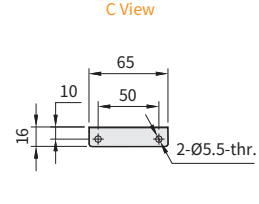
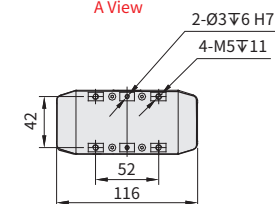
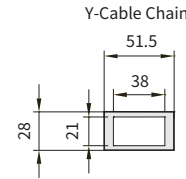
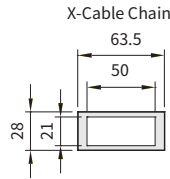
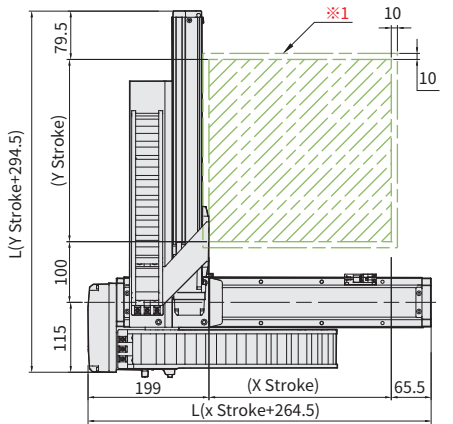


XYGT320-A1 尺寸圖 Size



CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm



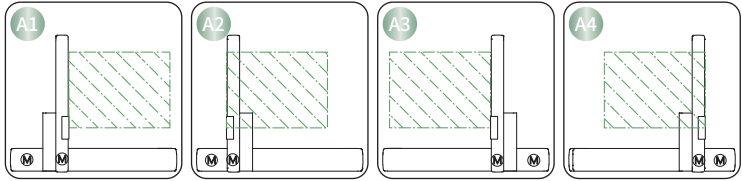
- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
Maximum speed refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- \* X 軸履帶固定端固定板由客戶自行連結。  
Fixing plate for X axis moving end of cable chain need to be assembled by customers.
- \* Y 軸履帶固定端固定板由客戶自行連結。  
(Fixing palate for Y axis moving end of cable chain need to be assembled by customers.)

※4：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.

X 軸行程 X Stroke (mm)	50 <sup>※4</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	100	1050	1100	1150	1200	1250
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	1364.5	1414.5	1464.5	1514.5
A	50	100	50	100	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	11	12	12	13
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
最高使用速度 <sup>※2※3</sup> Max. Speed (mm/s)	1200												1167	1000	900	800	700	600	533	467	433	400	367	333	

Y 軸行程 Y Stroke (mm)	100	150	200	250	300
H	394.5	444.5	494.5	544.5	594.5
最高使用速度 Max.Speed(mm/s)	600				

連結方向 Combination Direction



配件規格 Spec. Details

- X 軸詳細規格 X-axis Detail Spec. → P109
- Y 軸詳細規格 Y-axis Detail Spec. → P105
- Z 軸詳細規格 Z-axis Detail Spec. -
- 馬達廠牌選定 Motor Brand Options. → P665



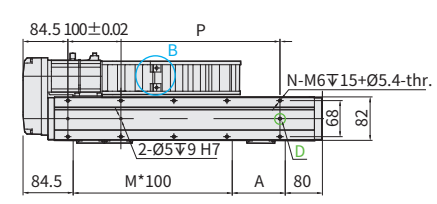
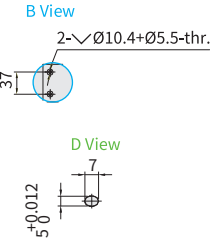
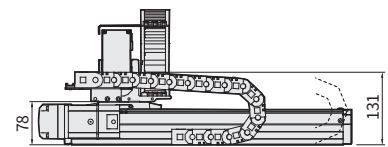
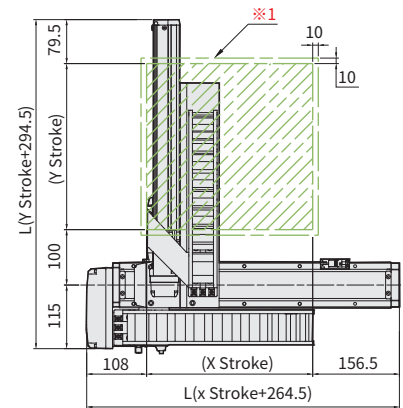
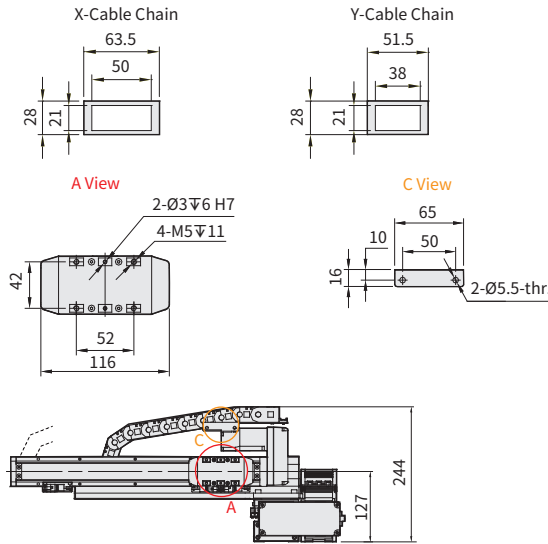
**XYGT320-A2 尺寸圖 Size**

A2

2D CAD 3D CAD

CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website: www.toyorobot.com

單位 Unit : mm

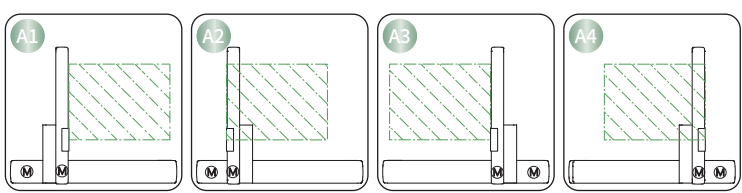


- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
Maximum speed is refers to the highest safe speed that can be used in stroke, if more than the strandard speed, it may occur serious resonance.
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Fixing plate for X axis moving end of cable chain need to be assembled by customers.
- \* Y 軸履帶固定端固定板由客戶自行連結。  
(Fixing palate for Y axis moving end of cable chain need to be assembled by customers.)
- ※4：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.

X 軸行程 X Stroke (mm)	50 <sup>※4</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	100	1050	1100	1150	1200	1250
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	1364.5	1414.5	1464.5	1514.5
A	50	100	50	100	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	11	12	12	13
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
最高使用速度 <sup>※2※3</sup> Max. Speed (mm/s)	1200												1167	1000	900	800	700	600	533	467	433	400	367	333	

Y 軸行程 Y Stroke (mm)	100	150	200	250	300
H	394.5	444.5	494.5	544.5	594.5
最高使用速度 <sup>※2※3</sup> Max. Speed (mm/s)	600				

**連結方向 Combination Direction**



**配件規格 Spec. Details**

X 軸詳細規格 X-axis Detail Spec.	→ P109	Y 軸詳細規格 Y-axis Detail Spec.	→ P105
Z 軸詳細規格 Z-axis Detail Spec.	-	馬達廠牌選定 Motor Brand Options.	→ P665

## XYGT320-A2 尺寸圖 Size

A2

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000321	IGUS-1500.038.048.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26
Y 軸使用節數 Number For Pitch of Y Axis			13	13	14	15	16	16	17	18	19												

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

#### 連結座 Brackets

有效行程 Stroke	100	150	200	250	300	350	400	450	500
L	205.5	305.5	405.5	505.5	605.5				
M	1	2	3	4	5				

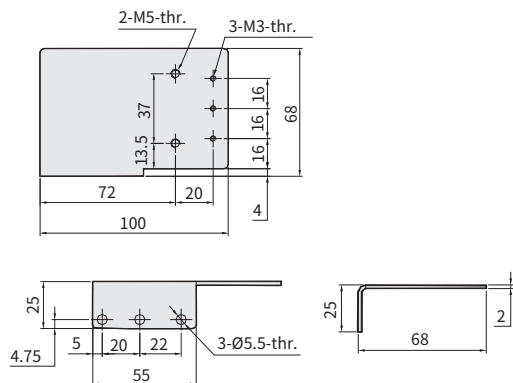
### 連結座各行程對應料號

Part Number of Brackets According to Strokes

料號 Part No	Y 軸行程 Stroke of Y Axis	規格 Specification
11033-000051	100	XYGT320-A2/A3-行程 100-長 205.5 XYGT320-A2/A3-Stroke 100-Length 205.5
11033-000052	150~200	XYGT320-A2/A3-行程 150(200)-長 305.5 XYGT320-A2/A3-Stroke 150(200)-Length 305.5
11033-000053	250~300	XYGT320-A2/A3-行程 250(300)-長 405.5 XYGT320-A2/A3-Stroke 250(300)-Length 405.5
11033-000054	350~400	XYGT320-A2/A3-行程 350(400)-長 505.5 XYGT320-A2/A3-Stroke 350(400)-Length 505.5
11033-000055	450~500	XYGT320-A2/A3-行程 450(500)-長 605.5 XYGT320-A2/A3-Stroke 450(500)-Length 605.5

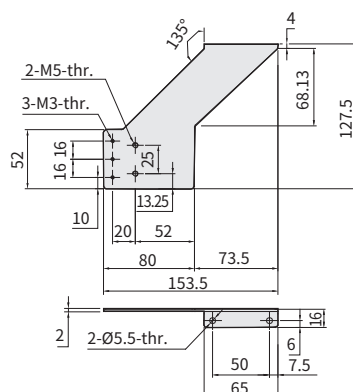
### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000482 材質 Material : SUS304



### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000485 材質 Material : SUS304



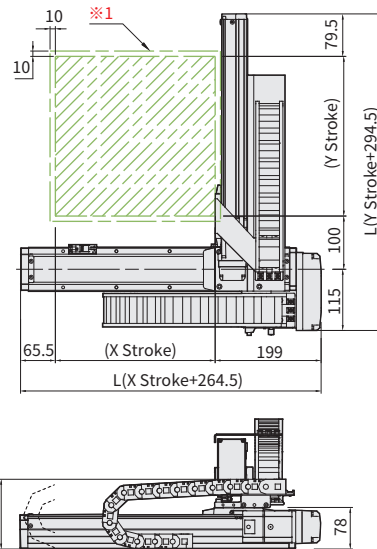
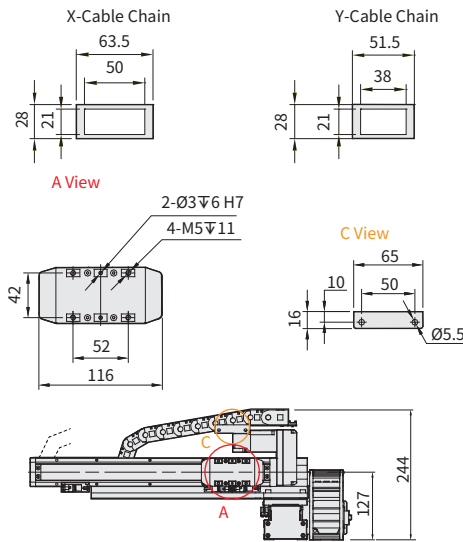
XYGT320-A3 尺寸圖 Size

A3

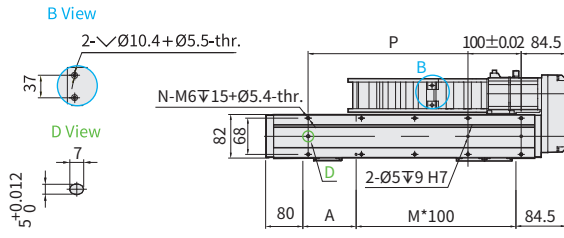


CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm



- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
  - ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
  - ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能會有嚴重共振產生。  
Maximum speed refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- \* X 軸履帶固定端固定板由客戶自行連結。  
Fixing plate for X axis moving end of cable chain need to be assembled by customers.
- \* Y 軸履帶固定端固定板由客戶自行連結。  
(Fixing plate for Y axis moving end of cable chain need to be assembled by customers.)

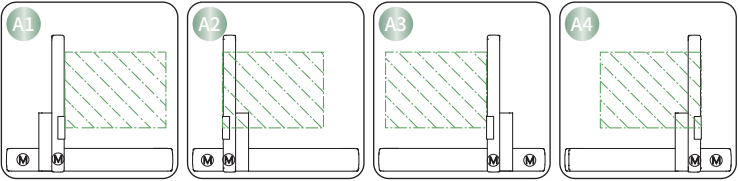


- ※4：行程 50 時，因本體上鎖式固定孔會被滑座遮住，僅能使用 4 支螺絲固定，建議客戶本體使用下鎖式固定孔鎖附。  
When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix; as a result, suggest that fixing actuator body from the bottom to the top.

X 軸行程 X Stroke (mm)	50 <sup>※4</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	100	1050	1100	1150	1200	1250
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	1364.5	1414.5	1464.5	1514.5
A	50	100	50	100	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	11	12	12	13
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
最高使用速度 Max. Speed (mm/s)	1200												1167	1000	900	800	700	600	533	467	433	400	367	333	

Y 軸行程 Y Stroke (mm)	100	150	200	250	300
H	394.5	444.5	494.5	544.5	594.5
最高使用速度 Max. Speed (mm/s)	600				

連結方向 Combination Direction



配件規格 Spec. Details

- X 軸詳細規格 X-axis Detail Spec. → P109
- Y 軸詳細規格 Y-axis Detail Spec. → P105
- Z 軸詳細規格 Z-axis Detail Spec. -
- 馬達廠牌選定 Motor Brand Options. → P665

## XYGT320-A3 尺寸圖 Size

A3

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000321	IGUS-1500.038.048.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

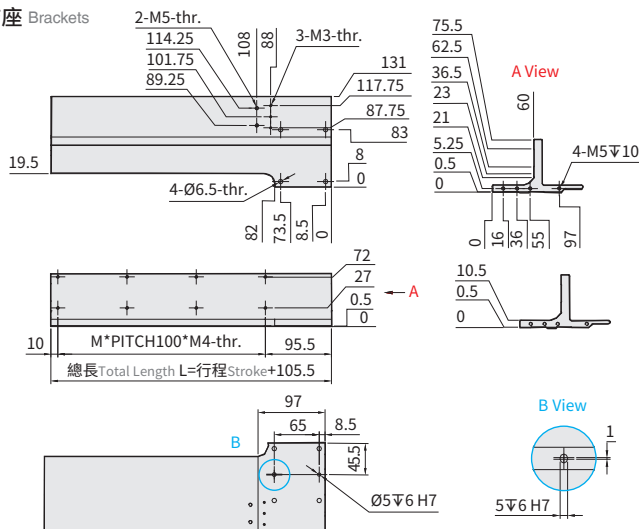
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26
Y 軸使用節數 Number For Pitch of Y Axis			13	13	14	15	16	16	17	18	19												

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



有效行程 Stroke	100	150	200	250	300	350	400	450	500
L	205.5	305.5	405.5	505.5	605.5				
M	1	2	3	4	5				

### 連結座各行程對應料號

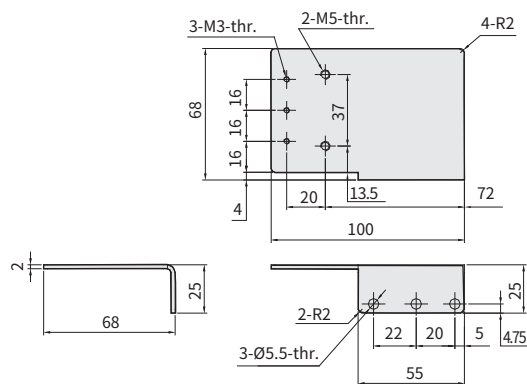
Part Number of Brackets According to Strokes

料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000051	100	XYGT320-A2/A3-行程 100-長 205.5 XYGT320-A2/A3-Stroke 100-Length 205.5
11033-000052	150~200	XYGT320-A2/A3-行程 150(200)-長 305.5 XYGT320-A2/A3-Stroke 150(200)-Length 305.5
11033-000053	250~300	XYGT320-A2/A3-行程 250(300)-長 405.5 XYGT320-A2/A3-Stroke 250(300)-Length 405.5
11033-000054	350~400	XYGT320-A2/A3-行程 350(400)-長 505.5 XYGT320-A2/A3-Stroke 350(400)-Length 505.5
11033-000055	450~500	XYGT320-A2/A3-行程 450(500)-長 605.5 XYGT320-A2/A3-Stroke 450(500)-Length 605.5

### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000483

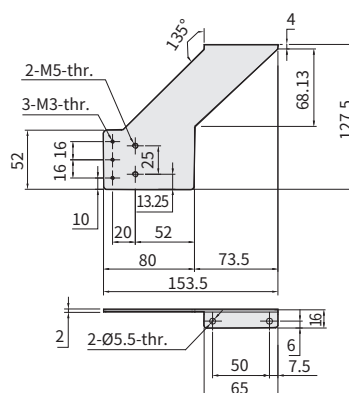
材質 Material : SUS304



### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000485

材質 Material : SUS304



XYGT320-A4 尺寸圖 Size

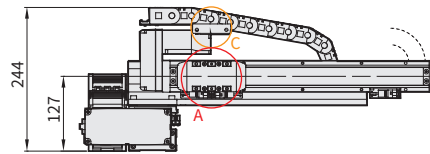
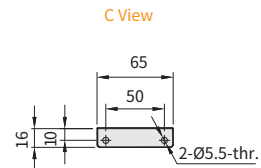
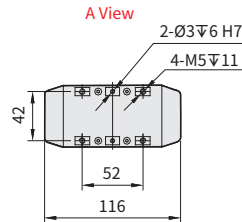
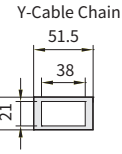
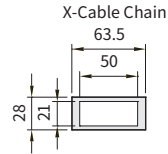
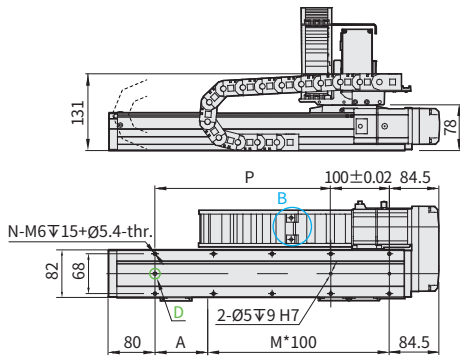
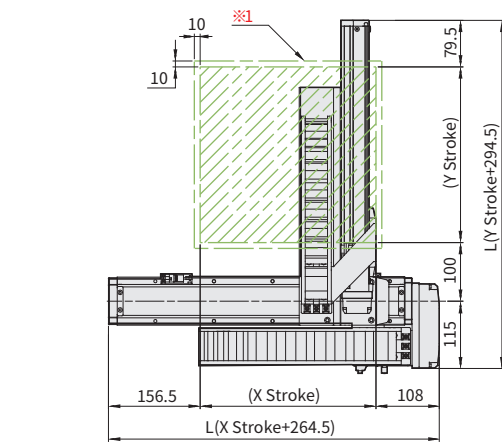
A4

2D CAD

3D CAD

CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm

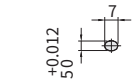


B View

2-∇Ø10.4Ø5.5-thr.



D View



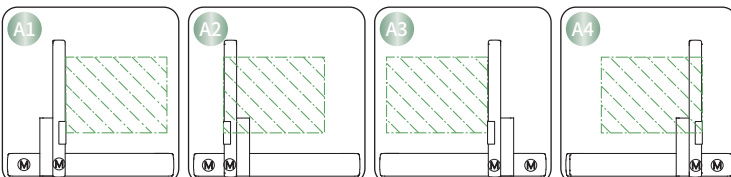
- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能會有嚴重共振產生。  
Maximum speed refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- \* X 軸履帶固定端固定板由客戶自行連結。  
Fixing plate for X axis moving end of cable chain need to be assembled by customers.
- \* Y 軸履帶固定端固定板由客戶自行連結。  
Fixing plate for Y axis moving end of cable chain need to be assembled by customers.

※4：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.

X 軸行程 X Stroke (mm)	50 <sup>※4</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	100	1050	1100	1150	1200	1250
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	1364.5	1414.5	1464.5	1514.5
A	50	100	50	100	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	11	12	12	13
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
最高使用速度 Max. Speed (mm/s)	1200												1167	1000	900	800	700	600	533	467	433	400	367	333	

Y 軸行程 Y Stroke (mm)	100	150	200	250	300
H	394.5	444.5	494.5	544.5	594.5
最高使用速度 Max. Speed (mm/s)	600				

連結方向 Combination Direction



配件規格 Spec. Details

X 軸詳細規格 X-axis Detail Spec. → P109

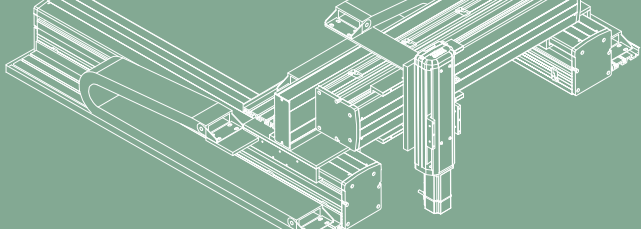
Y 軸詳細規格 Y-axis Detail Spec. → P105

Z 軸詳細規格 Z-axis Detail Spec. -

馬達廠牌選定 Motor Brand Options. → P665







免費服務專線：大陸 400-875-0009 台灣 0800-800-893  
Toll-Free Number China Taiwan

應用例  
Application

一般 / 螺桿仕様  
GTH / GTY / ETH / Y

一般 / 皮帶仕様  
ETB / M

無塵 / 螺桿仕様  
GCH / ECH

無塵 / 皮帶仕様  
ECB

直交連結  
XYGI

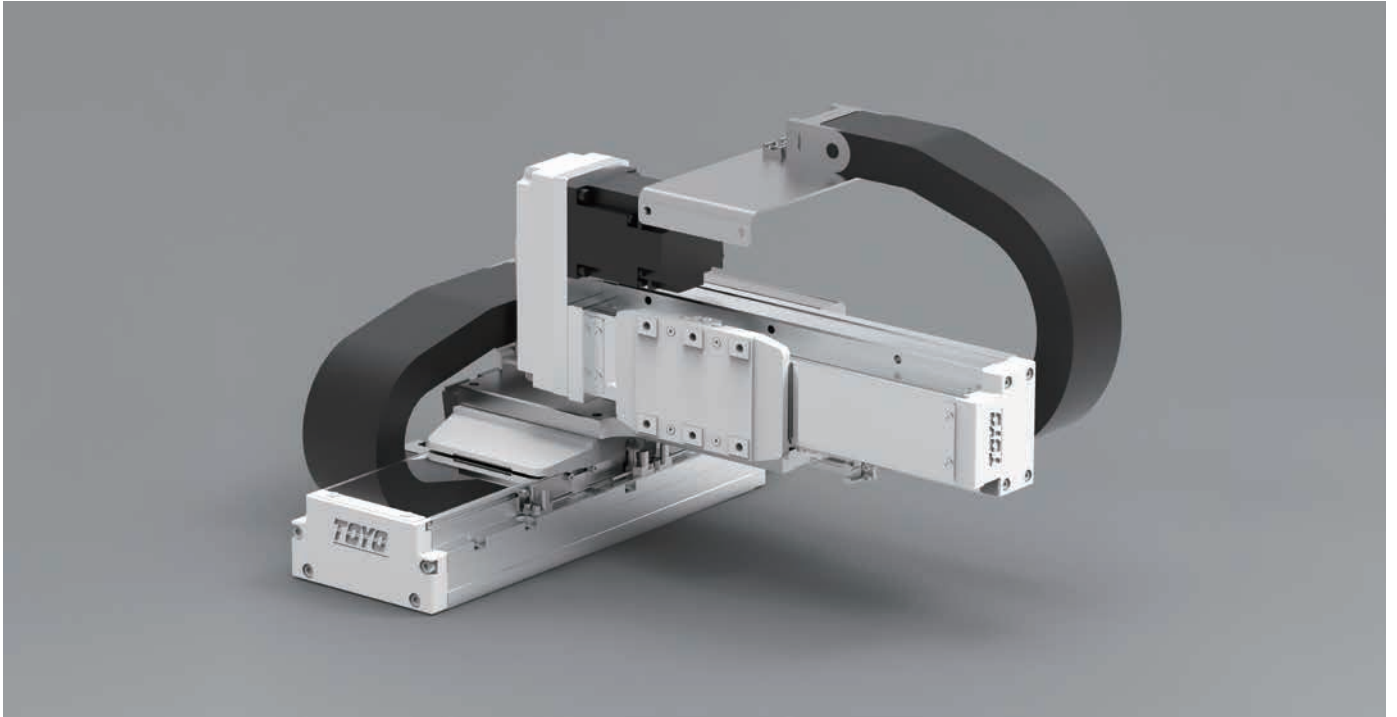
參考資料  
Reference

## Memo

# XYGT430-A 2軸 /2-axis

▶ 軌道內嵌  
Built-in Linear Motion Guide

▶ 螺桿驅動  
Ball Screw Drive



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.

\* 標準連結滑台不提供同動精度  
Assembly accuracy is not guaranteed for the standard multi-axis system.

## 最大行程 Maximum Stroke

X 軸  
X axis

1250mm

Y 軸  
Y axis

600mm

## 最高速度 Maximum Speed

X 軸  
X axis

1200mm/s

Y 軸  
Y axis

導程 20:1200mm/s

Y 軸  
Y axis

導程 10:600mm/s

## AC 伺服馬達容量 AC Servo Motor Output

X 軸  
X axis

400W

Y 軸  
Y axis

200W

## 基本仕様 Specification

項目 Item	導程組合 A Lead Composition A		導程組合 B Lead Composition B	
	X 軸 X axis	Y 軸 Y axis	X 軸 X axis	Y 軸 Y axis
軸型式 Model Type	GTH12	GTH8	GTH12	GTH8
位置重複精度 Repeatability (mm)	±0.005	±0.005	±0.005	±0.005
螺桿導程 Ball Screw Lead (mm)	20	20	20	10
最高速度 Maximum Speed (mm/s) ※1	1200	1200	1200	600
標準行程 (50 間隔) Stroke 50 mm Pitch (mm)	50~1250	100~600	50~1250	100~600
AC 伺服馬達容量 AC Servo Motor Output (w)	400	200	400	200
使用環境 Environment	0~40°C, 85% RH Below			

※1：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。

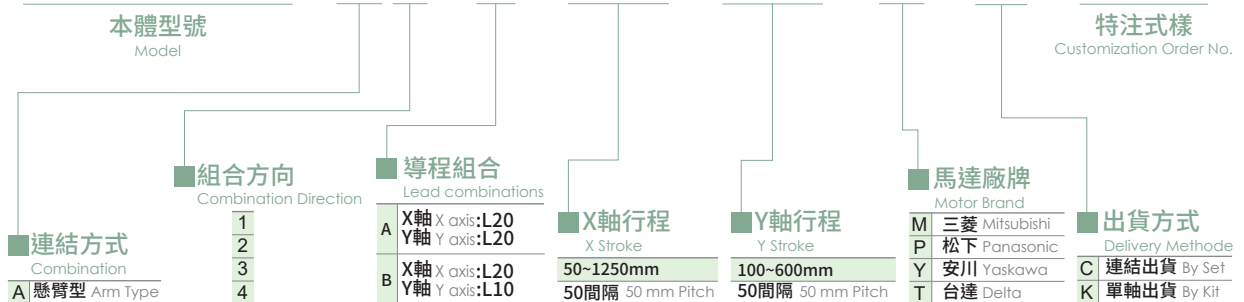
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.

## 最大可搬重量 Maximum Payload

導程組合 A Lead Composition A X 軸 X axis:L20 Y 軸 Y axis:L20	Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550	600
	Y 軸荷重 Y Payload (kg)		9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	7	4
導程組合 B Lead Composition B X 軸 X axis:L20 Y 軸 Y axis:L10	Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550	600
	Y 軸荷重 Y Payload (kg)		24	24	24	24	21	18	13	10	7	4

## 型號表示方式 Ordering Method

XYGT430 - A 1 - B - 300 - 300 - M - C - 0001



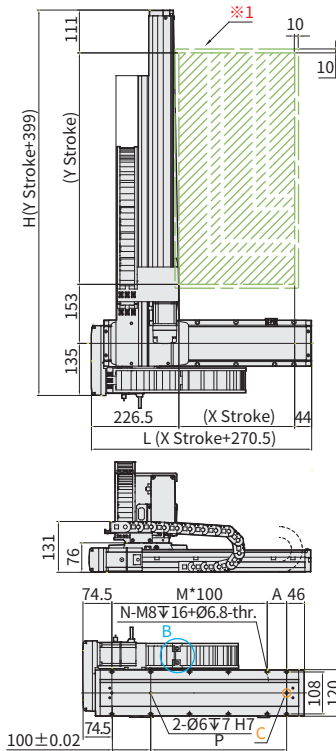
\*若非以上組合時此欄位不表示(特注處理)。  
If it's not the above combination, this field does not indicate(special note processing)

XYGT430-A1 尺寸圖 Size

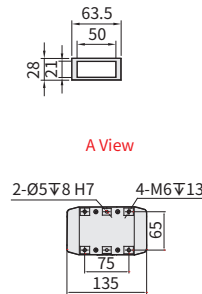


CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website : www.toyorobot.com

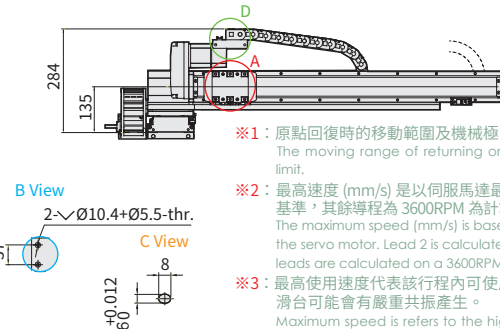
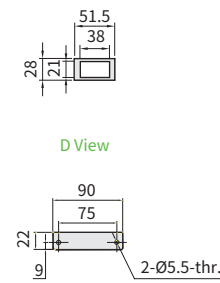
單位 Unit : mm



X-Cable Chain



Y-Cable Chain



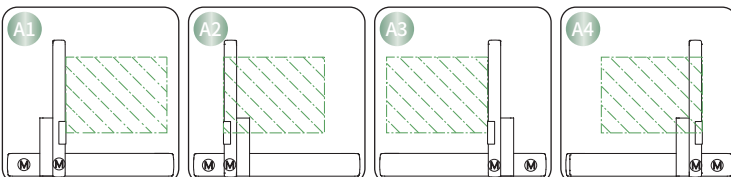
- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能會有嚴重共振產生。  
Maximum speed refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- \* X 軸履帶固定端固定板由客戶自行連結。  
Fixing plate for X axis moving end of cable chain need to be assembled by customers.
- \* Y 軸履帶固定端固定板由客戶自行連結。  
(Fixing plate for Y axis moving end of cable chain need to be assembled by customers.)

※4：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.

X 軸行程 X Stroke (mm)	50※4	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	320.5	3705	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1050	1100	1150	1200	1250	1300	1350
最高使用速度 ※2※3 Max. Speed (mm/s)	1200														1100	1000	900	800	700	667	633	567	533	500	467

Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550	600
H	499	549	599	649	699	749	799	849	899	949	999
導程組合 A 最高使用速度 Lead Composition Max.Speed(mm/s)	1200										
導程組合 B 最高使用速度 Lead Composition Max.Speed(mm/s)	600										

連結方向 Combination Direction



配件規格 Spec. Details

X 軸詳細規格 X-axis Detail Spec.	→ P117	Y 軸詳細規格 Y-axis Detail Spec.	→ P109
Z 軸詳細規格 Z-axis Detail Spec.	-	馬達廠牌選定 Motor Brand Options.	→ P665

## XYGT430-A1 尺寸圖 Size

A1

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000399	IGUS-1500.038.075.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

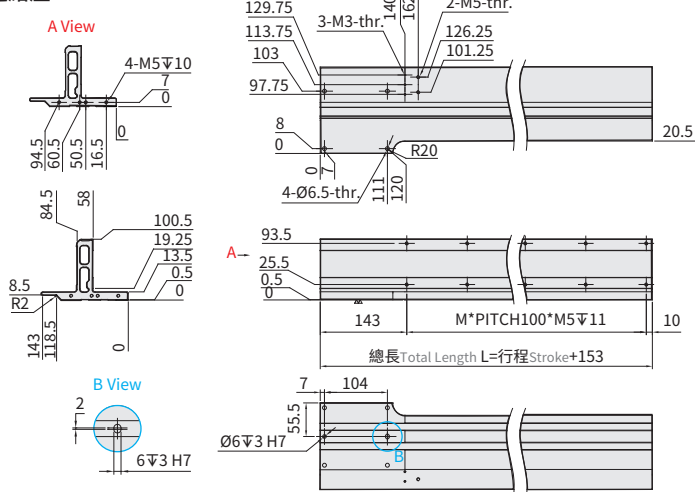
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1200	1250
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26	27
Y 軸使用節數 Number For Pitch of Y Axis			12	13	14	16	17	18	19	20	22	23	23											

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600
L	253	353	453	553	653	753					
M	1	2	3	4	5	6					

### 連結座各行程對應料號

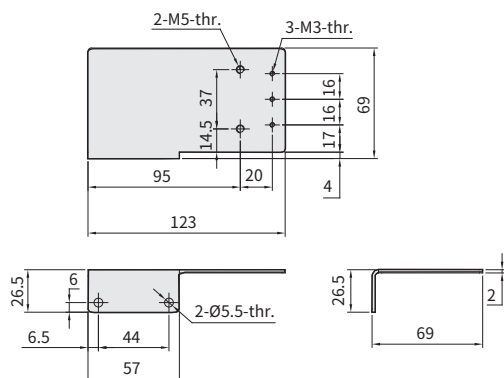
Part Number of Brackets According to Strokes

料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000072	100	XYGT430-A1/A4-行程 100- 長 253 XYGT430-A1/A4-Stroke 100-Length 253
11033-000073	150-200	XYGT430-A1/A4-行程 150(200)- 長 353 XYGT430-A1/A4-Stroke 150(200)-Length 353
11033-000074	250-300	XYGT430-A1/A4-行程 250(300)- 長 453 XYGT430-A1/A4-Stroke 250(300)-Length 453
11033-000075	350-400	XYGT430-A1/A4-行程 350(400)- 長 553 XYGT430-A1/A4-Stroke 350(400)-Length 553
11033-000076	450-500	XYGT430-A1/A4-行程 450(500)- 長 653 XYGT430-A1/A4-Stroke 450(500)-Length 653
11033-000077	550-600	XYGT430-A1/A4-行程 550(600)- 長 753 XYGT430-A1/A4-Stroke 550(600)-Length 753

### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000629

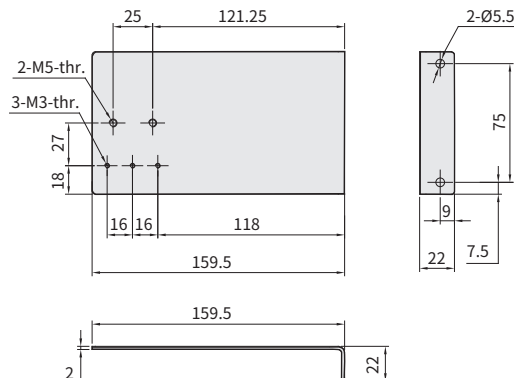
材質 Material : SUS304



### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000631

材質 Material : SUS304



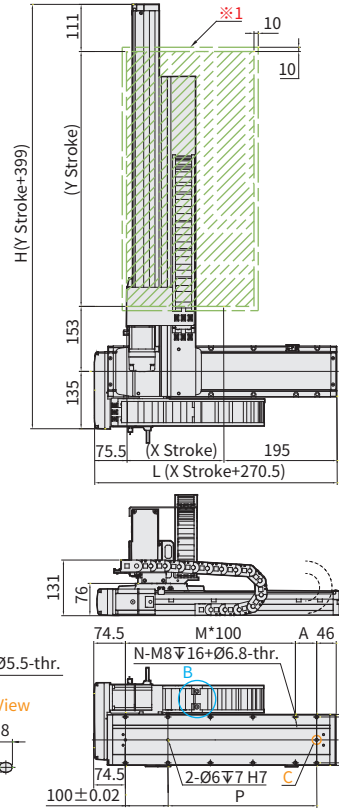
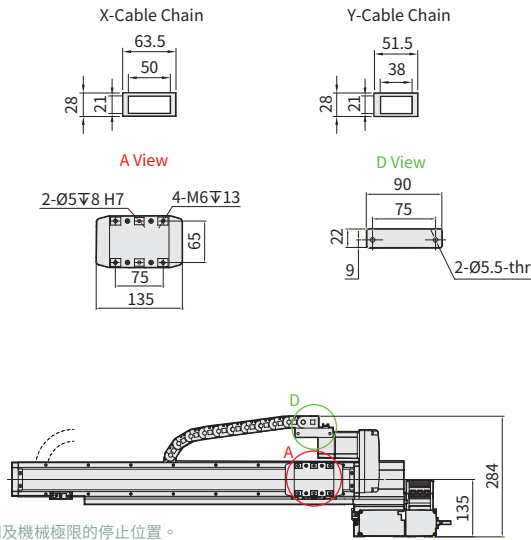
**XYGT430-A2 尺寸圖 Size**

A2

2D CAD 3D CAD

CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm

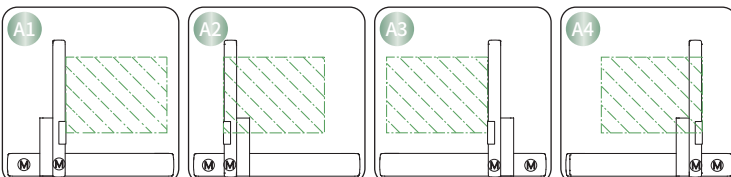


- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能會有嚴重共振產生。  
Maximum speed is refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- \* X 軸履帶固定端固定板由客戶自行連結。  
Fixing plate for X axis moving end of cable chain need to be assembled by customers.
- \* Y 軸履帶固定端固定板由客戶自行連結。  
Fixing palatte for Y axis moving end of cable chain need to be assembled by customers.
- ※4：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.

X 軸行程 X Stroke (mm)	50 <sup>※4</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	
L	320.5	3705	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5	
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1050	1100	1150	1200	1250	1300	1350	
最高使用速度 <sup>※2※3</sup> Max. Speed (mm/s)	1200															1100	1000	900	800	700	667	633	567	533	500	467

Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550	600
H	499	549	599	649	699	749	799	849	899	949	999
導程組合 A 最高使用速度 Lead Composition Max.Speed(mm/s)	1200										
導程組合 B 最高使用速度 Lead Composition Max.Speed(mm/s)	600										

**連結方向 Combination Direction**



**配件規格 Spec. Details**

X 軸詳細規格 X-axis Detail Spec.	→ P117	Y 軸詳細規格 Y-axis Detail Spec.	→ P109
Z 軸詳細規格 Z-axis Detail Spec.	-	馬達廠牌選定 Motor Brand Options.	→ P665

## XYGT430-A2 尺寸圖 Size

A2

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000399	IGUS-1500.038.075.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

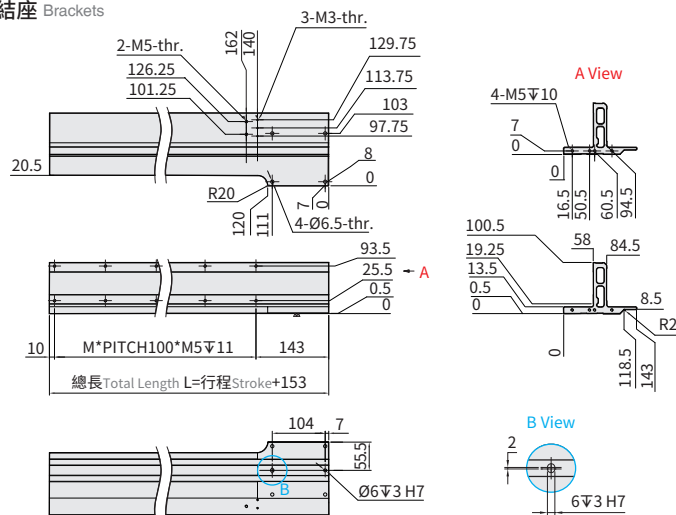
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1200	1250
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26	27
Y 軸使用節數 Number For Pitch of Y Axis			12	13	14	16	17	18	19	20	22	23	23											

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600
L	253	353	453	553	653	753					
M	1	2	3	4	5	6					

### 連結座各行程對應料號

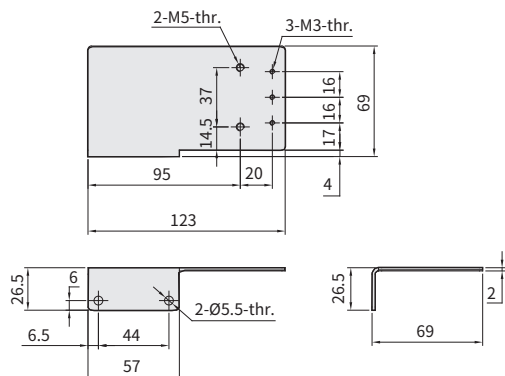
Part Number of Brackets According to Strokes

料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000078	100	XYGT430-A2/A3-行程 100- 長 253 XYGT430-A2/A3-Stroke 100-Length 253
11033-000079	150-200	XYGT430-A2/A3-行程 150(200)- 長 353 XYGT430-A2/A3-Stroke 150(200)-Length 353
11033-000080	250-300	XYGT430-A2/A3-行程 250(300)- 長 453 XYGT430-A2/A3-Stroke 250(300)-Length 453
11033-000081	350-400	XYGT430-A2/A3-行程 350(400)- 長 553 XYGT430-A2/A3-Stroke 350(400)-Length 553
11033-000082	450-500	XYGT430-A2/A3-行程 450(500)- 長 653 XYGT430-A2/A3-Stroke 450(500)-Length 653
11033-000083	550-600	XYGT430-A2/A3-行程 550(600)- 長 753 XYGT430-A2/A3-Stroke 550(600)-Length 753

### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000629

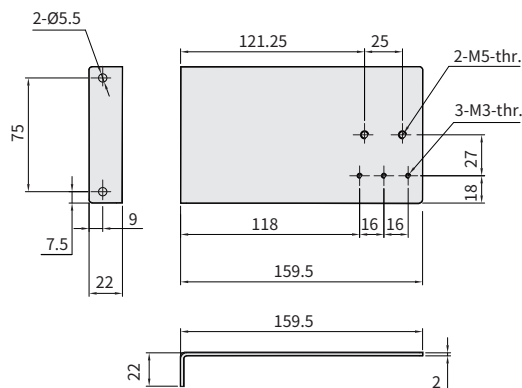
材質 Material : SUS304



### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000634

材質 Material : SUS304



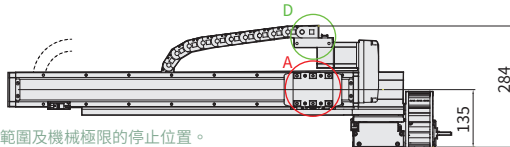
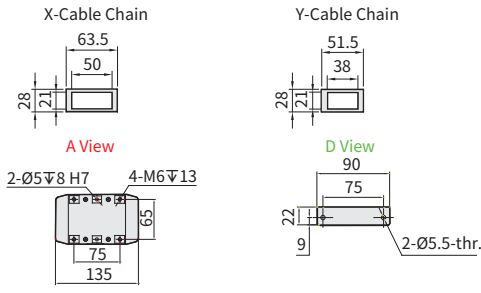
XYGT430-A3 尺寸圖 Size

A3



CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO'S website : www.toyorobot.com

單位 Unit : mm

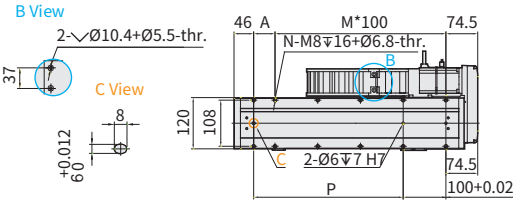


- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能會有嚴重共振產生。  
Maximum speed is refers to the highest safe speed that can be used in stroke, if more than the strandard speed, it may occur serious resonance.

\* X 軸履帶固定端固定板由客戶自行連結。  
Fixing plate for X axis moving end of cable chain need to be assembled by customers.

\* Y 軸履帶固定端固定板由客戶自行連結。  
Fixing palate for Y axis moving end of cable chain need to be assembled by customers.

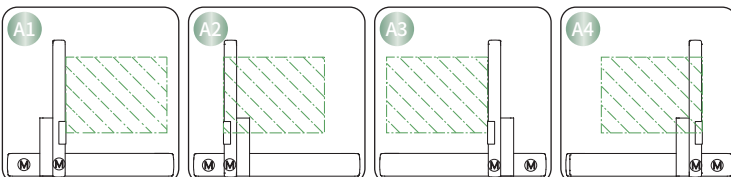
- ※4：行程 50 時，因本體上鎖式固定孔會被滑座遮住，僅能使用 4 支螺絲固定，建議客戶本體使用下鎖式固定孔鎖附。  
When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix; as a result, suggest that fixing actuator body from the bottom to the top.



X 軸行程 X Stroke (mm)	50※4	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	
L	320.5	3705	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5	
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1050	1100	1150	1200	1250	1300	1350	
最高使用速度 ※2※3 Max. Speed (mm/s)	1200															1100	1000	900	800	700	667	633	567	533	500	467

Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550	600
H	499	549	599	649	699	749	799	849	899	949	999
導程組合 A 最高使用速度 Lead Composition Max.Speed(mm/s)	1200										
導程組合 B 最高使用速度 Lead Composition Max.Speed(mm/s)	600										

連結方向 Combination Direction



配件規格 Spec. Details

X 軸詳細規格 X-axis Detail Spec.	→ P117	Y 軸詳細規格 Y-axis Detail Spec.	→ P109
Z 軸詳細規格 Z-axis Detail Spec.	-	馬達廠牌選定 Motor Brand Options.	→ P665

## XYGT430-A3 尺寸圖 Size

A3

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000399	IGUS-1500.038.075.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

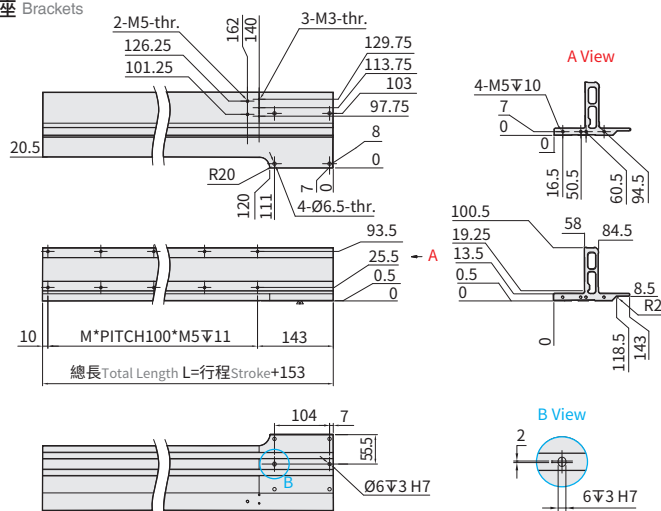
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1200	1250
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26	27
Y 軸使用節數 Number For Pitch of Y Axis			12	13	14	16	17	18	19	20	22	23	23											

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600
L	253	353	453	553	653	753					
M	1	2	3	4	5	6					

### 連結座各行程對應料號

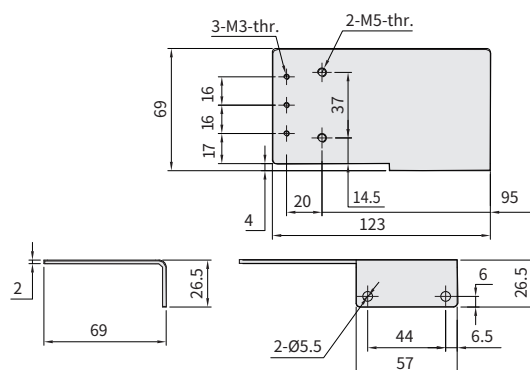
Part Number of Brackets According to Strokes

料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000078	100	XYGT430-A2/A3-行程 100- 長 253 XYGT430-A2/A3-Stroke 100-Length 253
11033-000079	150-200	XYGT430-A2/A3-行程 150(200)- 長 353 XYGT430-A2/A3-Stroke 150(200)-Length 353
11033-000080	250-300	XYGT430-A2/A3-行程 250(300)- 長 453 XYGT430-A2/A3-Stroke 250(300)-Length 453
11033-000081	350-400	XYGT430-A2/A3-行程 350(400)- 長 553 XYGT430-A2/A3-Stroke 350(400)-Length 553
11033-000082	450-500	XYGT430-A2/A3-行程 450(500)- 長 653 XYGT430-A2/A3-Stroke 450(500)-Length 653
11033-000083	550-600	XYGT430-A2/A3-行程 550(600)- 長 753 XYGT430-A2/A3-Stroke 550(600)-Length 753

### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000630

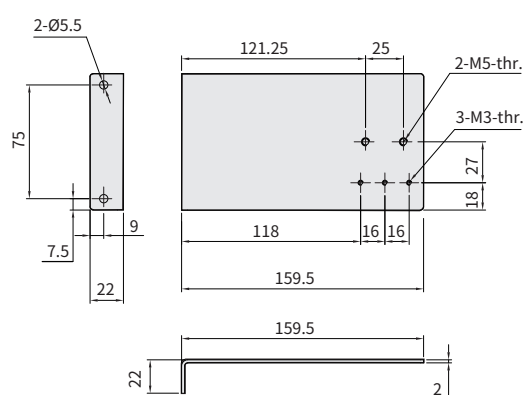
材質 Material : SUS304



### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000634

材質 Material : SUS304





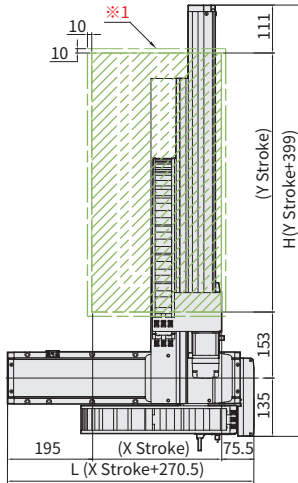
**XYGT430-A4 尺寸圖 Size**

A4

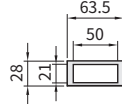
2D CAD 3D CAD

CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website : www.toyorobot.com

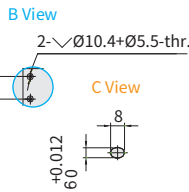
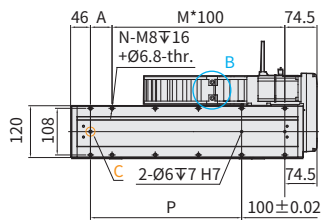
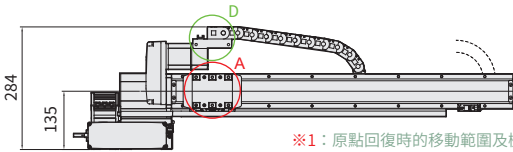
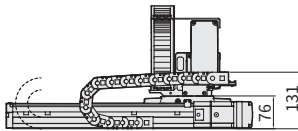
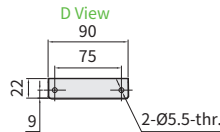
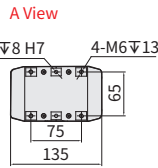
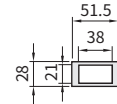
單位 Unit : mm



X-Cable Chain



Y-Cable Chain



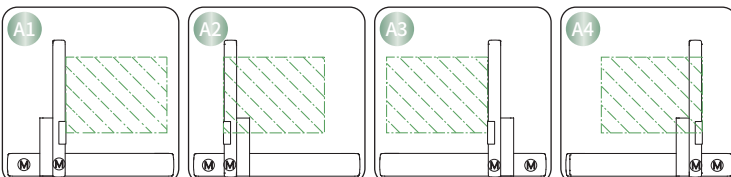
- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能會有嚴重共振產生。  
Maximum speed refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- \* X 軸履帶固定端固定板由客戶自行連結。  
Fixing plate for X axis moving end of cable chain need to be assembled by customers.
- \* Y 軸履帶固定端固定板由客戶自行連結。  
(Fixing plate for Y axis moving end of cable chain need to be assembled by customers.)

※4：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.

X 軸行程 X Stroke (mm)	50※4	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	320.5	3705	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1050	1100	1150	1200	1250	1300	1350
最高使用速度 ※2※3 Max. Speed (mm/s)	1200														1100	1000	900	800	700	667	633	567	533	500	467

Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550	600
H	499	549	599	649	699	749	799	849	899	949	999
導程組合 A 最高使用速度 Lead Composition Max.Speed(mm/s)	1200										
導程組合 B 最高使用速度 Lead Composition Max.Speed(mm/s)	600										

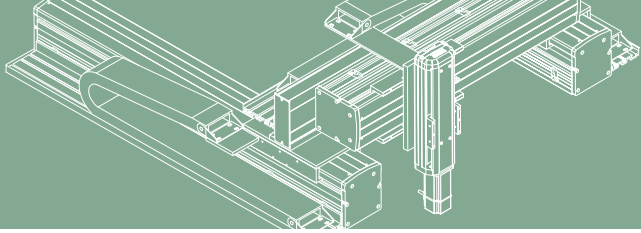
**連結方向 Combination Direction**



**配件規格 Spec. Details**

X 軸詳細規格 X-axis Detail Spec.	→ P117	Y 軸詳細規格 Y-axis Detail Spec.	→ P109
Z 軸詳細規格 Z-axis Detail Spec.	-	馬達廠牌選定 Motor Brand Options.	→ P665





免費服務專線：大陸 400-875-0009 台灣 0800-800-893  
Toll-Free Number China Taiwan

應用例  
Application

一般 / 螺桿仕様  
GTH / GTY / ETH / Y

一般 / 皮帶仕様  
ETB / M

無塵 / 螺桿仕様  
GCH / ECH

無塵 / 皮帶仕様  
ECB

直交連結  
XYGI

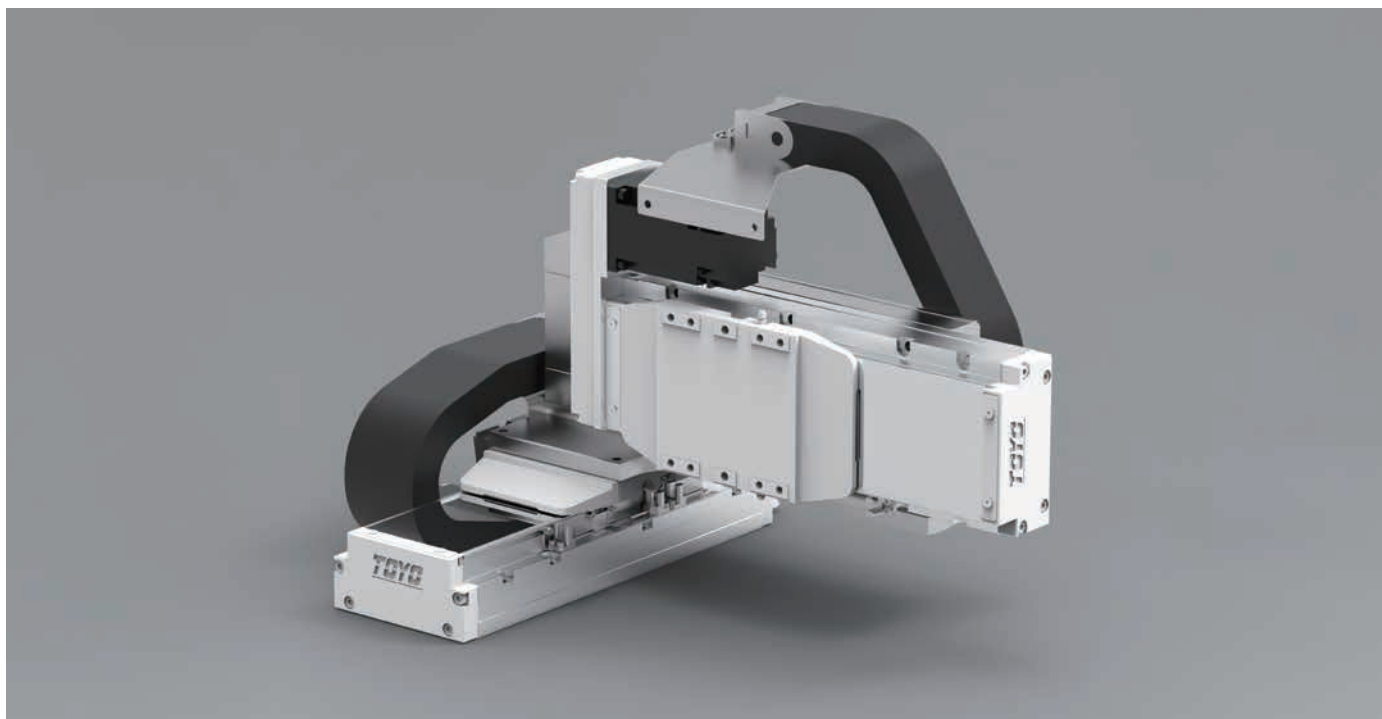
參考資料  
Reference

## Memo

# XYGT440-A 2軸 /2-axis

▶ 軌道內嵌  
Built-in Linear Motion Guide

▶ 螺桿驅動  
Ball Screw Drive



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.

\*標準連結滑台不提供同動精度  
Assembly accuracy is not guaranteed for the standard multi-axis system.

## 最大行程 Maximum Stroke

X軸 X axis 1250mm

Y軸 Y axis 導程 20:500mm

Y軸 Y axis 導程 10:600mm

## 最高速度 Maximum Speed

X軸 X axis 導程 20:1200mm/s

Y軸 Y axis 導程 20:1200mm/s

X軸 X axis 導程 10:600mm/s

Y軸 Y axis 導程 10:600mm/s

## AC 伺服馬達容量 AC Servo Motor Output

X軸 X axis 400W

Y軸 Y axis 400W

## 基本仕様 Specification

項目 Item	導程組合 A Lead Composition A		導程組合 C Lead Composition C	
	X軸 X axis	Y軸 Y axis	X軸 X axis	Y軸 Y axis
軸型式 Model Type	GTH12	GTH12	GTH12	GTH12
位置重複精度 Repeatability (mm)	±0.005	±0.005	±0.005	±0.005
螺桿導程 Ball Screw Lead (mm)	20	20	10	10
最高速度 Maximum Speed (mm/s) ※1	1200	1200	600	600
標準行程 (50 間隔) Stroke 50 mm Pitch (mm)	50~1250	100~500	50~1250	100~600
AC 伺服馬達容量 AC Servo Motor Output (w)	400	400	400	400
使用環境 Environment	0~40°C, 85% RH Below			

※1：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。

The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.

## 最大可搬重量 Maximum Payload

導程組合 A Lead Composition A	Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500		
		X 軸 X axis: L20 Y 軸 Y axis: L20	Y 軸荷重 Y Payload (kg)	26	26	24	19	15	11	7	4	2
導程組合 C Lead Composition C	Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550	600
		X 軸 X axis: L10 Y 軸 Y axis: L10	Y 軸荷重 Y Payload (kg)	57	56	39	31	26	20	16	12	9

## 型號表示方式 Ordering Method

# XYGT440-A 1 - C - 500 - 300 - M - C - 0001

本體型號  
Model

特注式樣  
Customization Order No.

■ 連結方式  
Combination  
A 懸臂型 Arm Type

■ 組合方向  
Combination Direction  
1  
2  
3  
4

■ 導程組合  
Lead combinations  
A X軸 X axis: L20  
Y軸 Y axis: L20  
C X軸 X axis: L10  
Y軸 Y axis: L10

■ X軸行程  
X Stroke  
50~1250mm  
50間隔 50 mm Pitch

■ Y軸行程  
Y Stroke  
導程組合  
A 100~500mm  
C 100~600mm  
50間隔 50 mm Pitch

■ 馬達廠牌  
Motor Brand  
M 三菱 Mitsubishi  
P 松下 Panasonic  
Y 安川 Yaskawa  
T 台達 Delta

■ 出貨方式  
Delivery Method  
C 連結出貨 By Set  
K 單軸出貨 By Kif

\*若非以上組合時此欄位不表示(特注處理)。  
If it's not the above combination, this field does not indicate (special note processing)

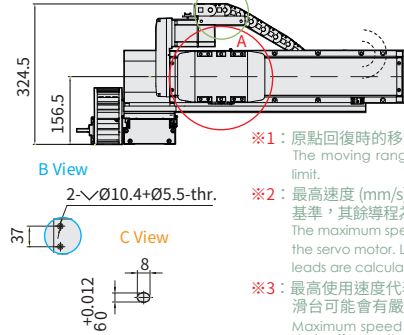
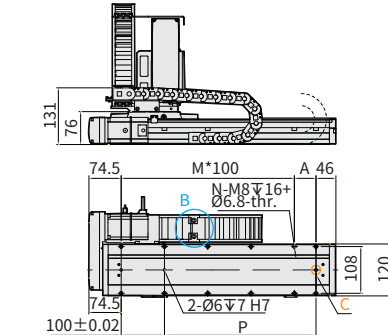
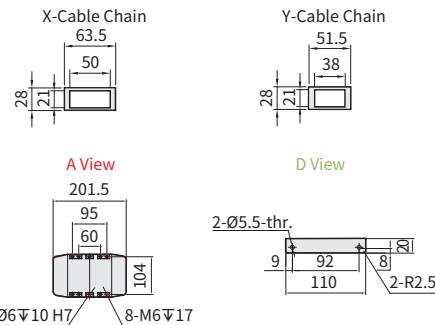
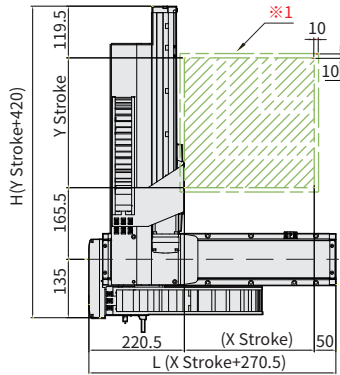
**XYGT440-A1 尺寸圖 Size**

A1

2D CAD 3D CAD

● CAD圖面可至www.toyorobot.com下載 ●  
 Please download the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm



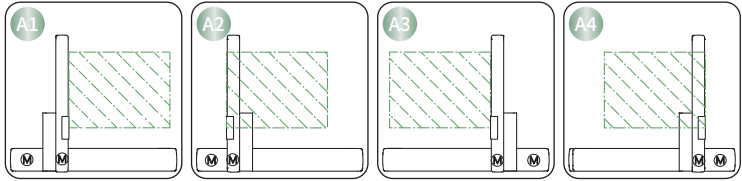
- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
Maximum speed refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- \* X 軸履帶固定端固定板由客戶自行連結。  
Fixing plate for X axis moving end of cable chain need to be assembled by customers.
- \* Y 軸履帶固定端固定板由客戶自行連結。  
(Fixing plate for Y axis moving end of cable chain need to be assembled by customers.)

※4：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.

X 軸行程 X Stroke (mm)	50※4	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5	
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1050	1100	1150	1200	1250	1300	1350	
導程組合 A 最高使用速度 ※2※3 Lead Composition Max.Speed(mm/s)																										
導程組合 C 最高使用速度 ※2※3 Lead Composition Max.Speed(mm/s)																										

Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550	600
H	520	570	620	670	720	770	820	870	920	970	1020
導程組合 A 最高使用速度 Lead Composition Max.Speed(mm/s)											
導程組合 C 最高使用速度 Lead Composition Max.Speed(mm/s)											

**連結方向 Combination Direction**



**配件規格 Spec. Details**

X 軸詳細規格 X-axis Detail Spec.	→ P117	Y 軸詳細規格 Y-axis Detail Spec.	→ P117
Z 軸詳細規格 Z-axis Detail Spec.	-	馬達廠牌選定 Motor Brand Options.	→ P665

## XYGT440-A1 尺寸圖 Size

A1

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000399	IGUS-1500.038.075.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

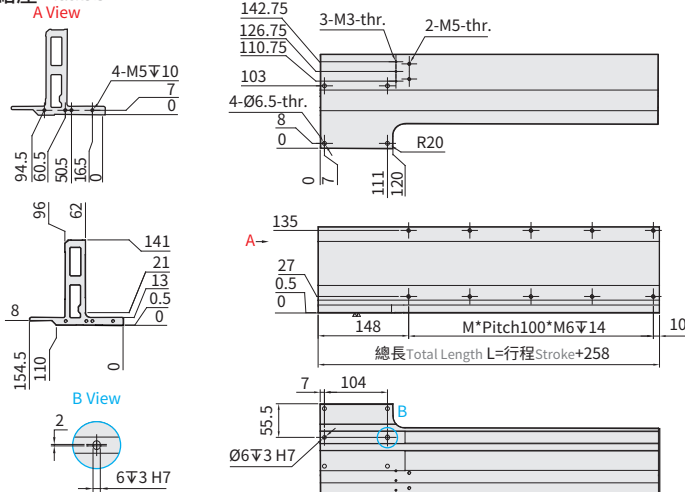
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550 <sup>*1</sup>	600 <sup>*1</sup>	650	700	750	800	850	900	950	1000	1050	1200	1250
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26	27
Y 軸使用節數 Number For Pitch of Y Axis			14	16	16	17	17	18	20	22	22	24	24											

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550 <sup>*1</sup>	600 <sup>*1</sup>
L	358	458	558	658	758	858					
M	2	3	4	5	6	7					

### 連結座各行程對應料號

Part Number of Brackets According to Strokes

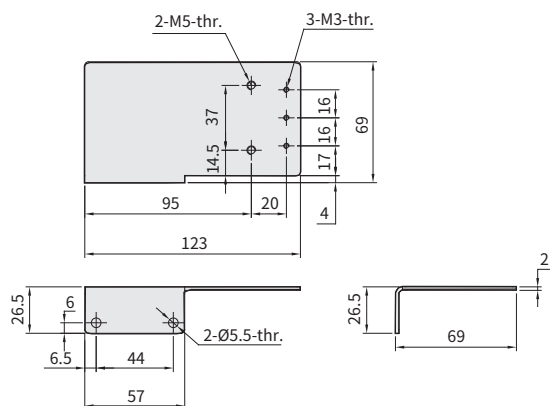
料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000060	100	XYGT440-A1/A4-行程 100- 長 358 XYGT440-A1/A4-Stroke 100-Length 358
11033-000061	150~200	XYGT440-A1/A4-行程 150(200)- 長 458 XYGT440-A1/A4-Stroke 150(200)-Length 458
11033-000062	250~300	XYGT440-A1/A4-行程 250(300)- 長 558 XYGT440-A1/A4-Stroke 250(300)-Length 558
11033-000063	350~400	XYGT440-A1/A4-行程 350(400)- 長 658 XYGT440-A1/A4-Stroke 350(400)-Length 658
11033-000064	450~500	XYGT440-A1/A4-行程 450(500)- 長 758 XYGT440-A1/A4-Stroke 450(500)-Length 758
11033-000065	550~600	XYGT440-A1/A4-行程 550(600)- 長 858 XYGT440-A1/A4-Stroke 550(600)-Length 858

\*1 導程組合 C 時才可選用 -  
Only for Lead Composition C.

### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000629

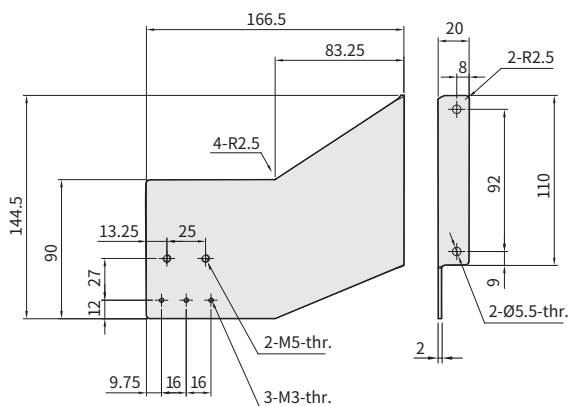
材質 Material : SUS304



### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000633

材質 Material : SUS304



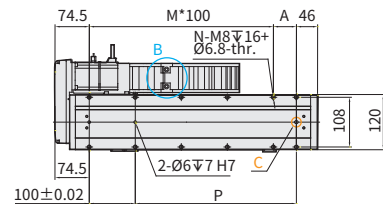
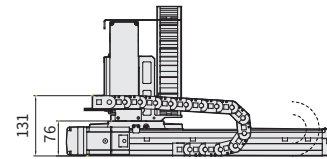
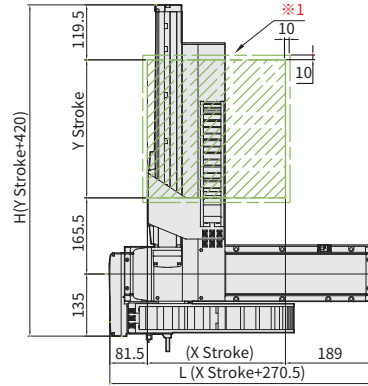
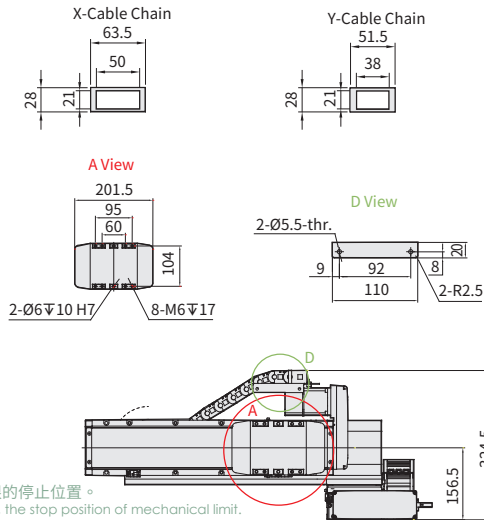
XYGT440-A2 尺寸圖 Size

A2



CAD圖面可至www.toyorobot.com下載  
 Please download the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm

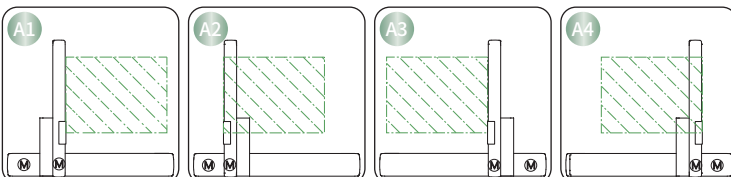


- ※1：原點回復時的移動範圍及機械極限的停止位置。  
 The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
 The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
 Maximum speed refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- \* X 軸履帶固定端固定板由客戶自行連結。  
 Fixing plate for X axis moving end of cable chain need to be assembled by customers.
- \* Y 軸履帶固定端固定板由客戶自行連結。  
 (Fixing plate for Y axis moving end of cable chain need to be assembled by customers.)
- ※4：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.

X 軸行程 X Stroke (mm)	50 <sup>※4</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1050	1100	1150	1200	1250	1300	1350
導程組合 A 最高使用速度 <sup>※2※3</sup> Lead Composition Max.Speed(mm/s)										1200					1100	1000	900	800	700	667	633	567	533	500	467
導程組合 C 最高使用速度 <sup>※2※3</sup> Lead Composition Max.Speed(mm/s)										600					550	500	450	400	350	333	317	283	267	250	233

Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550	600
H	520	570	620	670	720	770	820	870	920	970	1020
導程組合 A 最高使用速度 Lead Composition Max.Speed(mm/s)	1200										
導程組合 C 最高使用速度 Lead Composition Max.Speed(mm/s)	600										

連結方向 Combination Direction



配件規格 Spec. Details

X 軸詳細規格 X-axis Detail Spec.	→ P117	Y 軸詳細規格 Y-axis Detail Spec.	→ P117
Z 軸詳細規格 Z-axis Detail Spec.	-	馬達廠牌選定 Motor Brand Options.	→ P665

## XYGT440-A2 尺寸圖 Size

A2

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000399	IGUS-1500.038.075.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

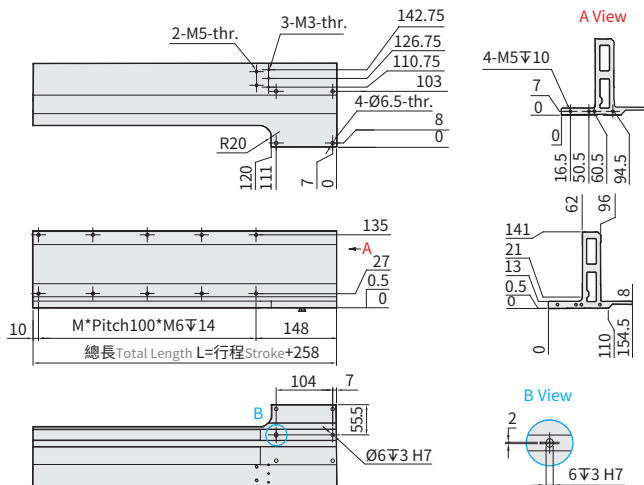
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550 <sup>*1</sup>	600 <sup>*1</sup>	650	700	750	800	850	900	950	1000	1050	1200	1250
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26	27
Y 軸使用節數 Number For Pitch of Y Axis			14	16	16	17	17	18	20	22	22	24	24											

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550 <sup>*1</sup>	600 <sup>*1</sup>
L	358	458	558	658	758	858					
M	2	3	4	5	6	7					

### 連結座各行程對應料號

Part Number of Brackets According to Strokes

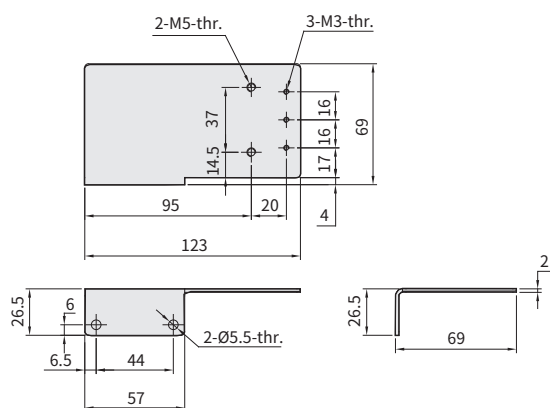
料號 Part No	Y 軸行程 Stroke of Y Axis	規格 Specification
11033-000066	100	XYGT440-A2/A3-行程 100- 長 358 XYGT440-A2/A3-Stroke 100-Length 358
11033-000067	150~200	XYGT440-A2/A3-行程 150(200)- 長 458 XYGT440-A2/A3-Stroke 150(200)-Length 458
11033-000068	250~300	XYGT440-A2/A3-行程 250(300)- 長 558 XYGT440-A2/A3-Stroke 250(300)-Length 558
11033-000069	350~400	XYGT440-A2/A3-行程 350(400)- 長 658 XYGT440-A2/A3-Stroke 350(400)-Length 658
11033-000070	450~500	XYGT440-A2/A3-行程 450(500)- 長 758 XYGT440-A2/A3-Stroke 450(500)-Length 758
11033-000071 <sup>*1</sup>	550~600	XYGT440-A2/A3-行程 550(600)- 長 858 XYGT440-A2/A3-Stroke 550(600)-Length 858

\*1 導程組合 C 時才可選用 - Only for Lead Composition C.

### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000629

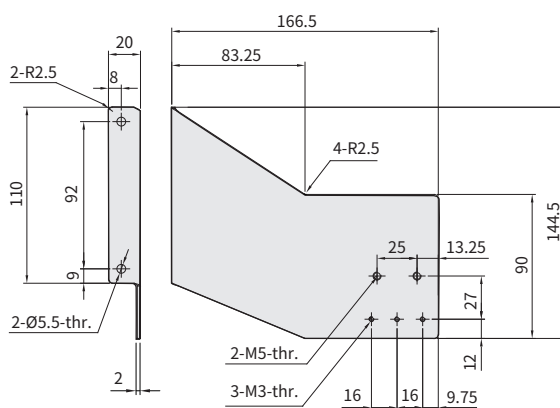
材質 Material : SUS304



### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000632

材質 Material : SUS304





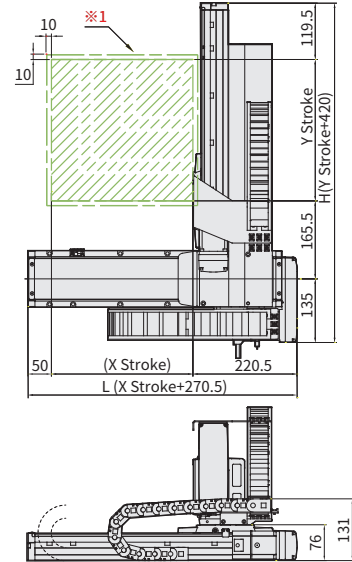
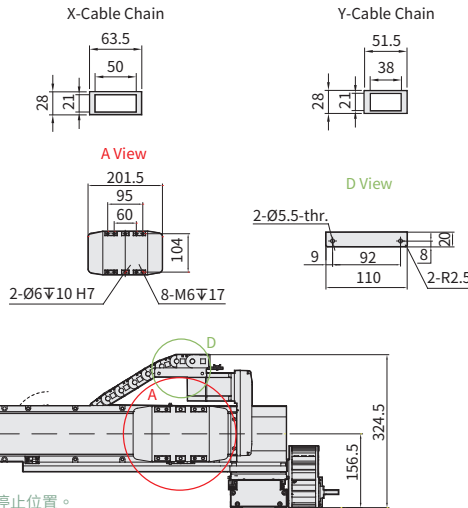
XYGT440-A3 尺寸圖 Size

A3



CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website: www.toyorobot.com

單位 Unit : mm



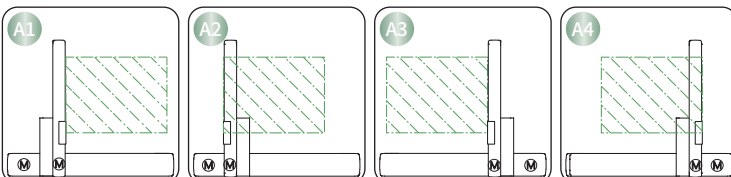
- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
Maximum speed refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- \* X 軸履帶固定端固定板由客戶自行連結。  
Fixing plate for X axis moving end of cable chain need to be assembled by customers.
- \* Y 軸履帶固定端固定板由客戶自行連結。  
(Fixing plate for Y axis moving end of cable chain need to be assembled by customers.)

- ※4：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.

X 軸行程 X Stroke (mm)	50 <sup>※4</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1050	1100	1150	1200	1250	1300	1350
導程組合 A 最高使用速度 ※2※3 Lead Composition Max.Speed(mm/s)								1200							1100	1000	900	800	700	667	633	567	533	500	467
導程組合 C 最高使用速度 ※2※3 Lead Composition Max.Speed(mm/s)								600							550	500	450	400	350	333	317	283	267	250	233

Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550	600
H	520	570	620	670	720	770	820	870	920	970	1020
導程組合 A 最高使用速度 Lead Composition Max.Speed(mm/s)	1200										
導程組合 C 最高使用速度 Lead Composition Max.Speed(mm/s)	600										

連結方向 Combination Direction



配件規格 Spec. Details

X 軸詳細規格 X-axis Detail Spec.	→ P117	Y 軸詳細規格 Y-axis Detail Spec.	→ P117
Z 軸詳細規格 Z-axis Detail Spec.	-	馬達廠牌選定 Motor Brand Options.	→ P665

## XYGT440-A3 尺寸圖 Size

A3

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000399	IGUS-1500.038.075.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

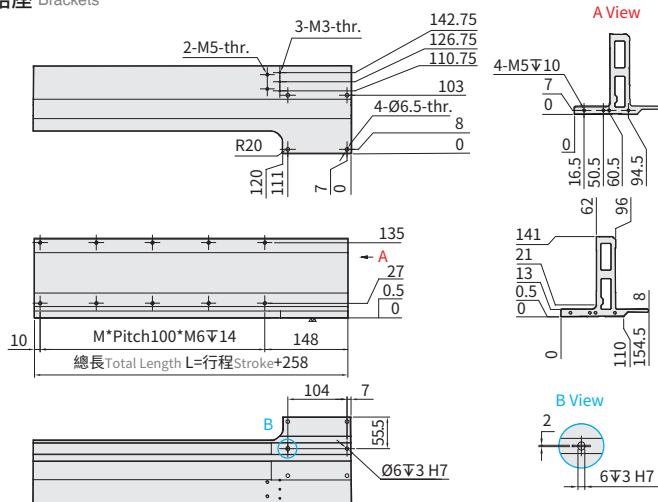
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550 <sup>*1</sup>	600 <sup>*1</sup>	650	700	750	800	850	900	950	1000	1050	1200	1250
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26	27
Y 軸使用節數 Number For Pitch of Y Axis			14	16	16	17	17	18	20	22	22	24	24											

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550 <sup>*1</sup>	600 <sup>*1</sup>
L	358	458	558	658	758	858					
M	2	3	4	5	6	7					

### 連結座各行程對應料號

Part Number of Brackets According to Strokes

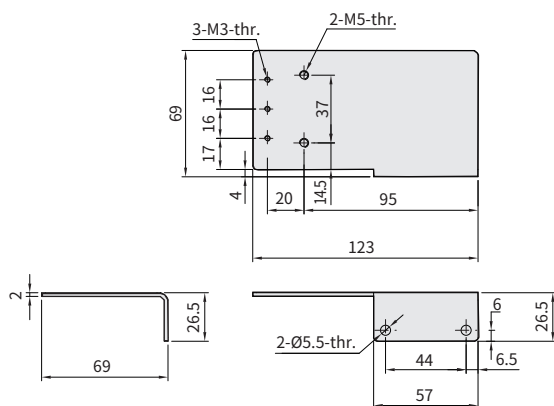
料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000066	100	XYGT440-A2/A3-行程 100- 長 358 XYGT440-A2/A3-Stroke 100-Length 358
11033-000067	150~200	XYGT440-A2/A3-行程 150(200)- 長 458 XYGT440-A2/A3-Stroke 150(200)-Length 458
11033-000068	250~300	XYGT440-A2/A3-行程 250(300)- 長 558 XYGT440-A2/A3-Stroke 250(300)-Length 558
11033-000069	350~400	XYGT440-A2/A3-行程 350(400)- 長 658 XYGT440-A2/A3-Stroke 350(400)-Length 658
11033-000070	450~500	XYGT440-A2/A3-行程 450(500)- 長 758 XYGT440-A2/A3-Stroke 450(500)-Length 758
11033-000071	550~600	XYGT440-A2/A3-行程 550(600)- 長 858 XYGT440-A2/A3-Stroke 550(600)-Length 858

\*1 導程組合 C 時才可選用 -  
Only for Lead Composition C.

### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000630

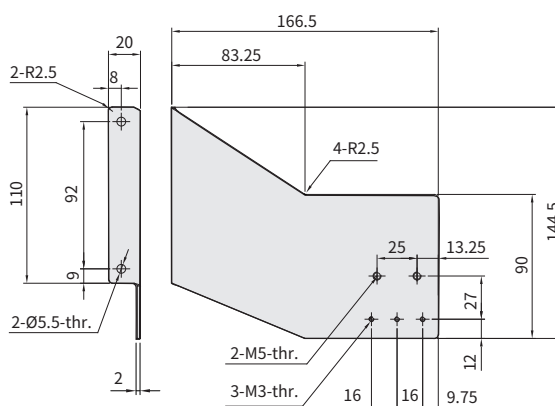
材質 Material : SUS304



### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000632

材質 Material : SUS304



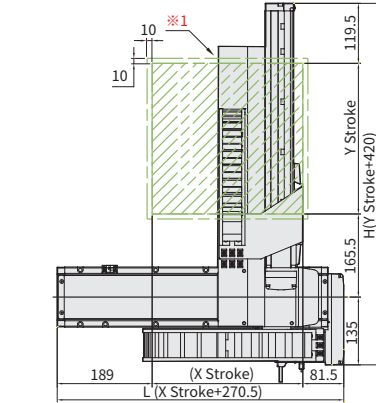
**XYGT440-A4 尺寸圖 Size**

A4

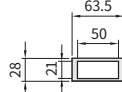


● CAD圖面可至www.toyorobot.com下載 ●  
Please download the CAD file from TOYO's website : www.toyorobot.com

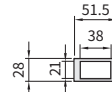
單位 Unit : mm



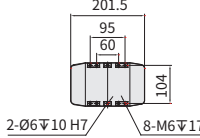
X-Cable Chain



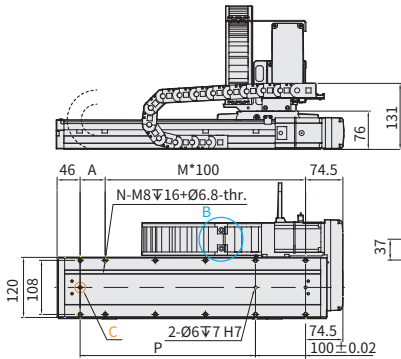
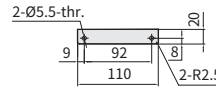
Y-Cable Chain



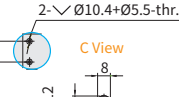
A View



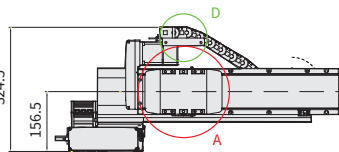
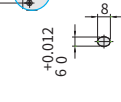
D View



B View



C View



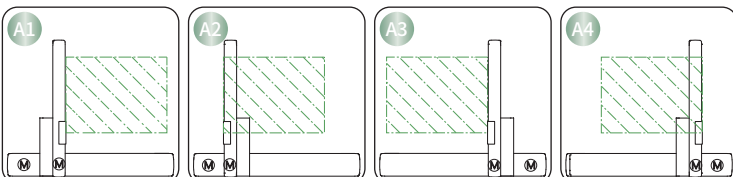
- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
Maximum speed refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- \* X 軸履帶固定端固定板由客戶自行連結。  
Fixing plate for X axis moving end of cable chain need to be assembled by customers.
- \* Y 軸履帶固定端固定板由客戶自行連結。  
Fixing palate for Y axis moving end of cable chain need to be assembled by customers.

※4：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.

X 軸行程 X Stroke (mm)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1050	1100	1150	1200	1250	1300	1350
導程組合 A 最高使用速度 ※2※3 Lead Composition Max.Speed(mm/s)													1200												
導程組合 C 最高使用速度 ※2※3 Lead Composition Max.Speed(mm/s)													600												

Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550	600
H	520	570	620	670	720	770	820	870	920	970	1020
導程組合 A 最高使用速度 Lead Composition Max.Speed(mm/s)	1200										
導程組合 C 最高使用速度 Lead Composition Max.Speed(mm/s)	600										

**連結方向 Combination Direction**



**配件規格 Spec. Details**

X 軸詳細規格 X-axis Detail Spec. → P117

Y 軸詳細規格 Y-axis Detail Spec. → P117

Z 軸詳細規格 Z-axis Detail Spec. -

馬達廠牌選定 Motor Brand Options. → P665

## XYGT440-A4 尺寸圖 Size

A4

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000399	IGUS-1500.038.075.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

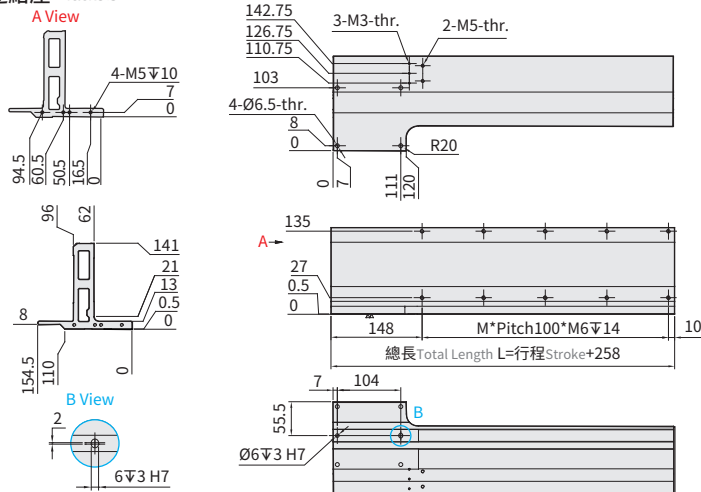
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550 <sup>*1</sup>	600 <sup>*1</sup>	650	700	750	800	850	900	950	1000	1050	1200	1250
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26	27
Y 軸使用節數 Number For Pitch of Y Axis			14	16	16	17	17	18	20	22	22	24	24											

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550 <sup>*1</sup>	600 <sup>*1</sup>
L	358	458	558	658	758	858					
M	2	3	4	5	6	7					

### 連結座各行程對應料號

Part Number of Brackets According to Strokes

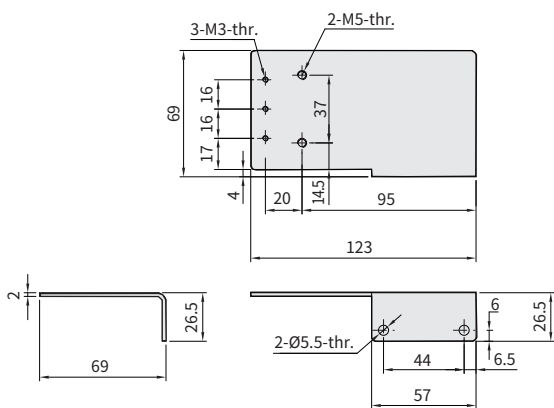
料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000060	100	XYGT440-A1/A4-行程 100- 長 358 XYGT440-A1/A4-Stroke 100-Length 358
11033-000061	150~200	XYGT440-A1/A4-行程 150(200)- 長 458 XYGT440-A1/A4-Stroke 150(200)-Length 458
11033-000062	250~300	XYGT440-A1/A4-行程 250(300)- 長 558 XYGT440-A1/A4-Stroke 250(300)-Length 558
11033-000063	350~400	XYGT440-A1/A4-行程 350(400)- 長 658 XYGT440-A1/A4-Stroke 350(400)-Length 658
11033-000064	450~500	XYGT440-A1/A4-行程 450(500)- 長 758 XYGT440-A1/A4-Stroke 450(500)-Length 758
11033-000065	550~600	XYGT440-A1/A4-行程 550(600)- 長 858 XYGT440-A1/A4-Stroke 550(600)-Length 858

\*1 導程組合 C 時才可選用 -  
Only for Lead Composition C.

### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000630

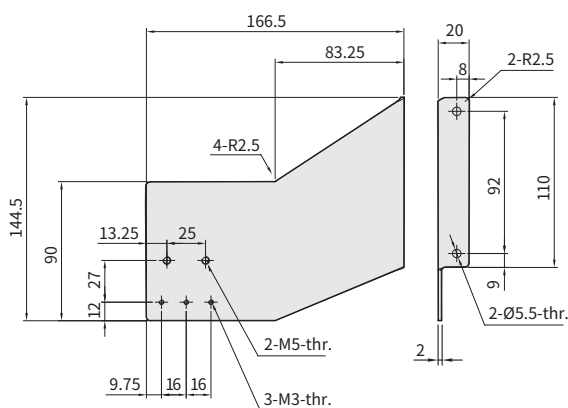
材質 Material : SUS304

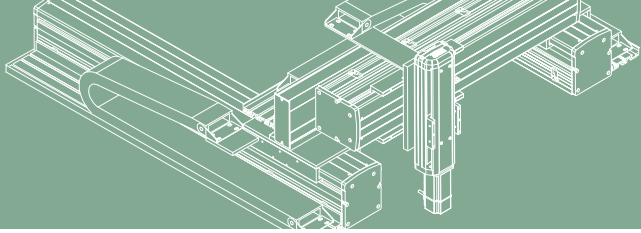


### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000633

材質 Material : SUS304





免費服務專線：大陸 400-875-0009 台灣 0800-800-893  
Toll-Free Number China Taiwan

應用例  
Application

一般 / 螺桿仕様  
GTH / GTY / ETH / Y

一般 / 皮帶仕様  
ETB / M

無塵 / 螺桿仕様  
GCH / ECH

無塵 / 皮帶仕様  
ECB

直交連結  
XYGI

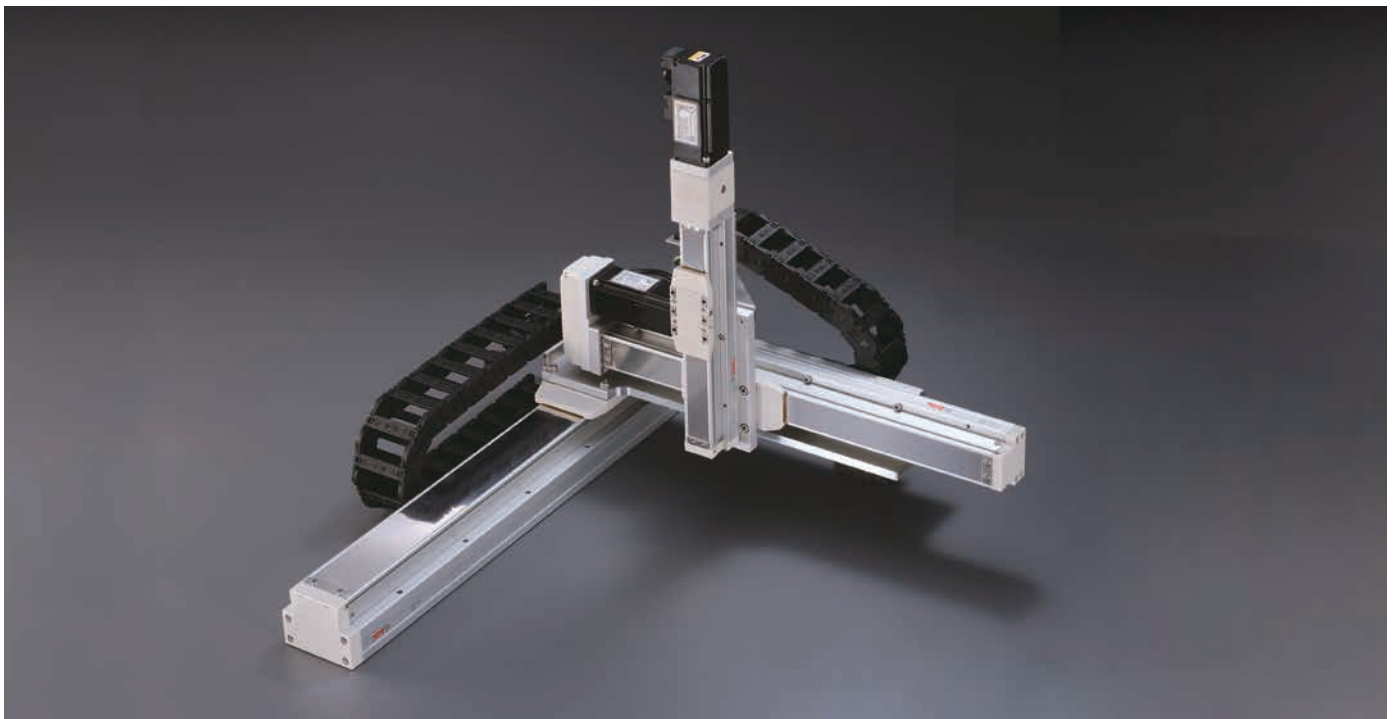
參考資料  
Reference

## Memo

# XYGT321-A 2軸 /2-axis

▶ 軌道內嵌  
Built-in Linear Motion Guide

▶ 螺桿驅動  
Ball Screw Drive



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.

\* 標準連結滑台不提供同動精度

Assembly accuracy is not guaranteed for the standard multi-axis system.

## 最大行程 Maximum Stroke

X 軸  
X axis

1250mm

Y 軸  
Y axis

250mm

Z 軸  
Z axis

150mm

## 最高速度 Maximum Speed

X 軸  
X axis

1200mm/s

Y 軸  
Y axis

600mm/s

Z 軸  
Z axis

100mm/s

## AC 伺服馬達容量 AC Servo Motor Output

X 軸  
X axis

200W

Y 軸  
Y axis

100W

Z 軸  
Z axis

50W+ 煞車

## 基本仕様 Specification

項目 Item	X 軸 X axis	Y 軸 Y axis	Z 軸 Z axis
軸型式 Model Type	GTH8	GTH5	GTH4
位置重複精度 Repeatability (mm)	±0.005	±0.005	±0.005
螺桿導程 Ball Screw Lead (mm)	20	10	2
最高速度 Maximum Speed (mm/s) ※1	1200	600	100
標準行程 (50 間隔) Stroke 50 mm Pitch (mm)	50~1250	100~250	50~150
AC 伺服馬達容量 AC Servo Motor Output (w)	200	100	50+ 剎車
使用環境 Environment	0- 40°C ,85% R H Below		

※1：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。

The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.

## 最大可搬重量 Maximum Payload

Z 行程 Z Stroke (mm)	Y 行程 Y Stroke (mm)	100	150	200	250
50		6.4	6.4	4.85	0.85
100		6.4	6.4	4.68	0.68
150		6.4	6.4	4.51	0.51

\* 限定水平安裝。Only for horizontal installation.

## 型號表示方式 Ordering Method

# XYGT321 - A 1 - 500 - 250 - 150 - M - C - 0001

本體型號  
Model

特注式樣  
Customization Order No.

連結方式  
Combination

A 懸臂型 Arm Type

組合方向  
Combination Direction

1  
2  
3  
4

X 軸行程  
X Stroke

50~1250mm  
50間隔 50 mm Pitch

Y 軸行程  
Y Stroke

100~250mm  
50間隔 50 mm Pitch

Z 軸行程  
Z Stroke

50~150mm  
50間隔 50 mm Pitch

馬達廠牌  
Motor Brand

M 三菱 Mitsubishi  
P 松下 Panasonic  
Y 安川 Yaskawa  
T 台達 Delta

出貨方式  
Delivery Method

C 連結出貨 By Set  
K 單軸出貨 By Kit

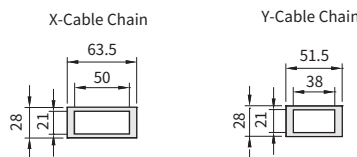
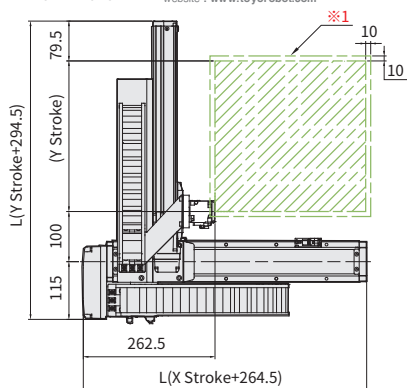
**XYGT321-A1 尺寸圖 Size**

A1

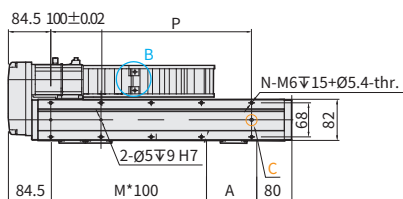
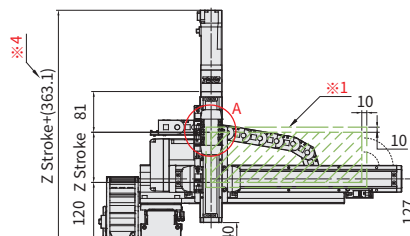
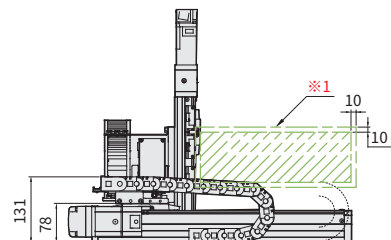
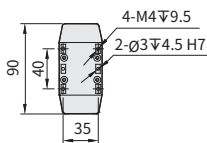
2D CAD 3D CAD

CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website : www.toyorobot.com

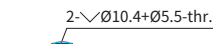
單位 Unit : mm



A View



B View



C View



- ※1 : 原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2 : 最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3 : 最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能會有嚴重共振產生。  
Maximum speed is refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- ※4 : Z 軸總高度會依搭配的馬達廠牌而變動  
The total height of Z-axis will be different from motor's brands.  
X 軸履帶固定端固定板由客戶自行連結  
Fixing palate for X axis fixed end of cable chain need to be assembled by customers

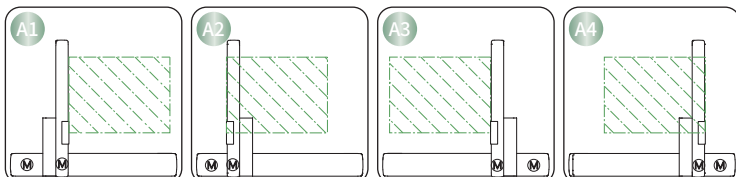
※5 : 行程 50 時，因本體上鎖式固定孔會被滑座遮住，僅能使用 4 支螺絲固定，建議客戶本體使用下鎖式固定孔鎖附。

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.

X 軸行程 X Stroke (mm)	50 <sup>※5</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	100	1050	1100	1150	1200	1250
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	1364.5	1414.5	1464.5	1514.5
A	50	100	50	100	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	11	12	12	13
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
最高使用速度 Max. Speed (mm/s)	1200												1167	1000	900	800	700	600	533	467	433	400	367	333	

Y 軸行程 Y Stroke (mm)	100	150	200	250
H	394.5	444.5	494.5	544.5
最高使用速度 Max. Speed (mm/s)	600			

**連結方向 Combination Direction**



**配件規格 Spec. Details**

X 軸詳細規格 X-axis Detail Spec. → P109

Y 軸詳細規格 Y-axis Detail Spec. → P105

Z 軸詳細規格 Z-axis Detail Spec. → P097

馬達廠牌選定 Motor Brand Options. → P665

## XYGT321-A1 尺寸圖 Size

A1

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000321	IGUS-1500.038.048.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

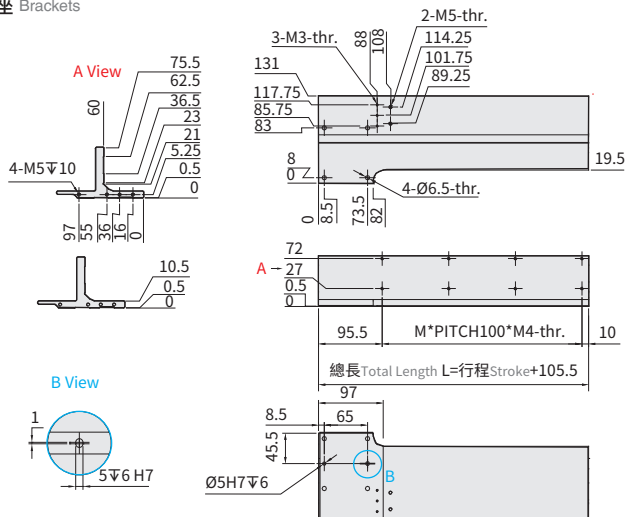
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26
Y 軸使用節數 Number For Pitch of Y Axis			13	13	14	15	16	16	17	18	19												

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



有效行程 Stroke	100	150	200	250	300	350	400	450	500
L	205.5	305.5	405.5	405.5	505.5	505.5	605.5	605.5	
M	1	2	3	3	4	4	5	5	

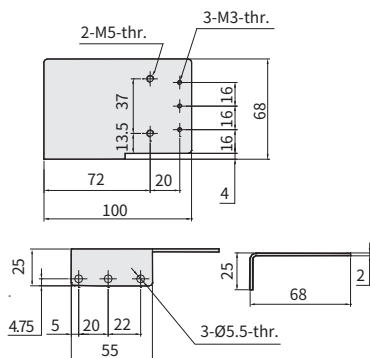
### 連結座各行程對應料號

Part Number of Brackets According to Strokes

料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000046	100	XYGT320-A1/A4-行程 100- 長 205.5 XYGT320-A1/A4-Stroke 100-Length 205.5
11033-000047	150~200	XYGT440-A1/A4-行程 150(200)- 長 305.5 XYGT440-A1/A4-Stroke 150(200)-Length 305.5
11033-000048	250~300	XYGT440-A1/A4-行程 250(300)- 長 405.5 XYGT440-A1/A4-Stroke 250(300)-Length 405.5
11033-000049	350~400	XYGT440-A1/A4-行程 350(400)- 長 505.5 XYGT440-A1/A4-Stroke 350(400)-Length 505.5
11033-000050	450~500	XYGT440-A1/A4-行程 450(500)- 長 605.5 XYGT440-A1/A4-Stroke 450(500)-Length 605.5

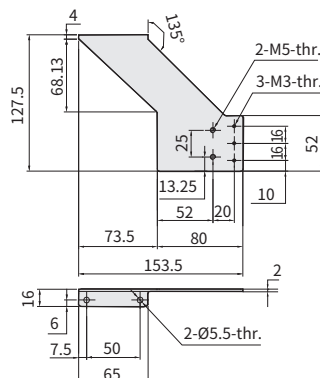
### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000482  
材質 Material : SUS304



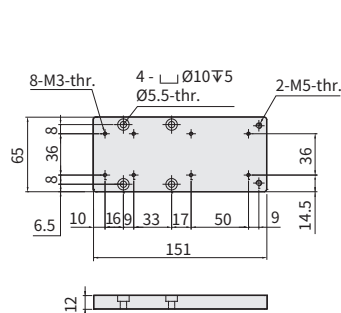
### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000484  
材質 Material : SUS304



### Z 軸板金 Sheet Metal of Z Axis

料號 Part NO : 11011-001060  
材質 Material : AL6061





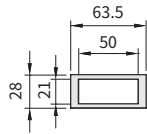
XYGT321-A2 尺寸圖 Size

A2

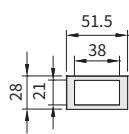


CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website: www.toyorobot.com

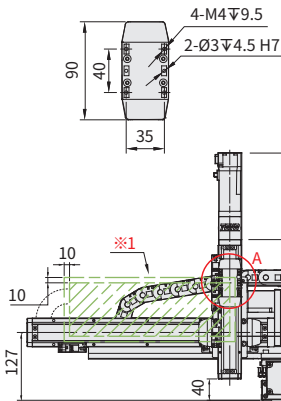
X-Cable Chain



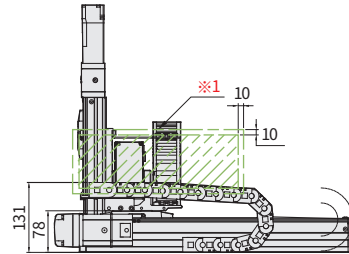
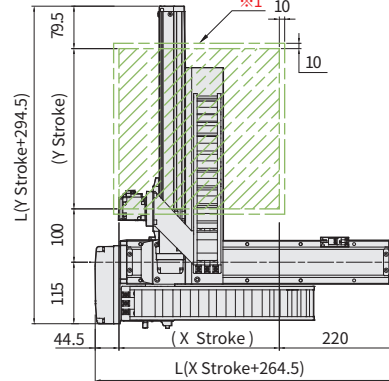
Y-Cable Chain



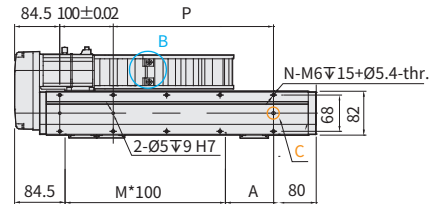
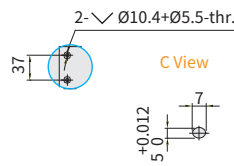
A View



單位 Unit : mm



B View

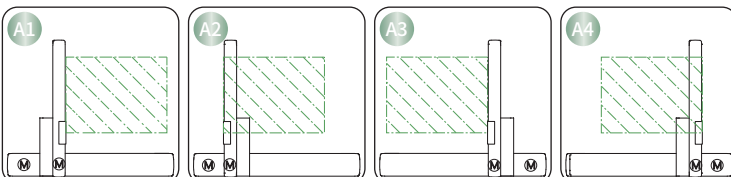


- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
Maximum speed refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- ※4：Z 軸總高度會依搭配的馬達廠牌而變動  
The total height of Z-axis will be different from motor's brands.  
X 軸履帶固定端固定板由客戶自行連結  
Fixing palate for X axis fixed end of cable chain need to be assembled by customers
- ※5：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.

X 軸行程 X Stroke (mm)	50 <sup>※5</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	100	1050	1100	1150	1200	1250
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	1364.5	1414.5	1464.5	1514.5
A	50	100	50	100	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	11	12	12	13
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
最高使用速度 <sup>※2※3</sup> Max. Speed (mm/s)	1200												1167	1000	900	800	700	600	533	467	433	400	367	333	

Y 軸行程 Y Stroke (mm)	100	150	200	250
H	394.5	444.5	494.5	544.5
最高使用速度 Max. Speed (mm/s)	600			

連結方向 Combination Direction



配件規格 Spec. Details

- X 軸詳細規格 X-axis Detail Spec. → P109
- Y 軸詳細規格 Y-axis Detail Spec. → P105
- Z 軸詳細規格 Z-axis Detail Spec. → P097
- 馬達廠牌選定 Motor Brand Options. → P665

## XYGT321-A2 尺寸圖 Size

A2

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000321	IGUS-1500.038.048.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

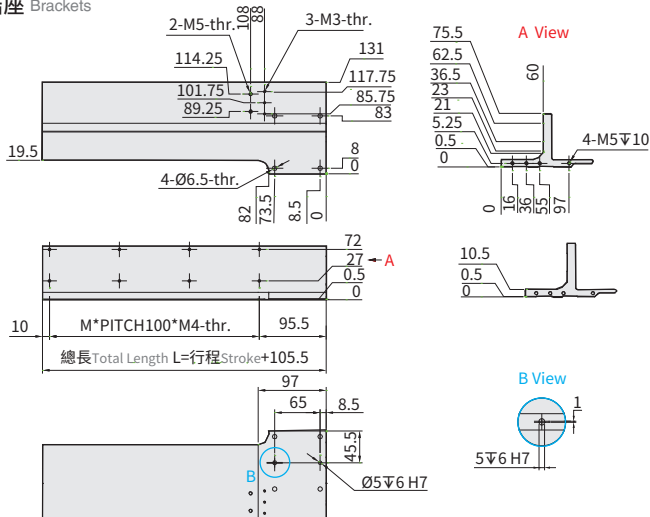
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26
Y 軸使用節數 Number For Pitch of Y Axis			13	13	14	15	16	16	17	18	19												

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



有效行程 Stroke	100	150	200	250	300	350	400	450	500
L	205.5	305.5	405.5	505.5	605.5				
M	1	2	3	4	5				

### 連結座各行程對應料號

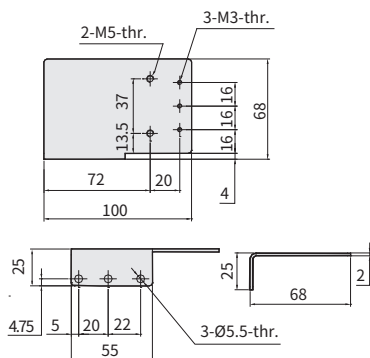
Part Number of Brackets According to Strokes

料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000051	100	XYGT320-A2/A3- 行程 100- 長 205.5 XYGT320-A2/A3- Stroke 100-Length 205.5
11033-000052	150~200	XYGT440-A2/A3- 行程 150(200)- 長 305.5 XYGT440-A2/A3- Stroke 150(200)-Length 305.5
11033-000053	250~300	XYGT440-A2/A3- 行程 250(300)- 長 405.5 XYGT440-A2/A3- Stroke 250(300)-Length 405.5
11033-000054	350~400	XYGT440-A2/A3- 行程 350(400)- 長 505.5 XYGT440-A2/A3- Stroke 350(400)-Length 505.5
11033-000055	450~500	XYGT440-A2/A3- 行程 450(500)- 長 605.5 XYGT440-A2/A3- Stroke 450(500)-Length 605.5

### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000482

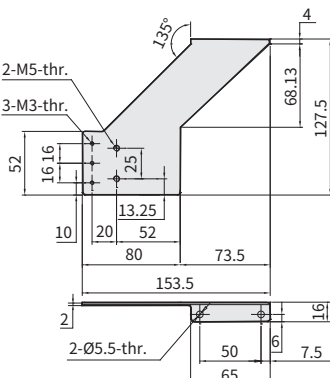
材質 Material : SUS304



### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000485

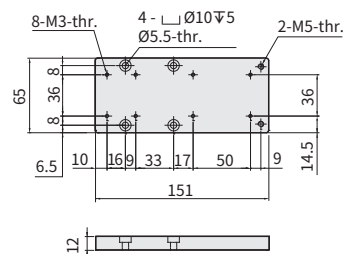
材質 Material : SUS304



### Z 軸板金 Sheet Metal of Z Axis

料號 Part NO : 11011-001060

材質 Material : AL6061



**XYGT321-A3 尺寸圖 Size**

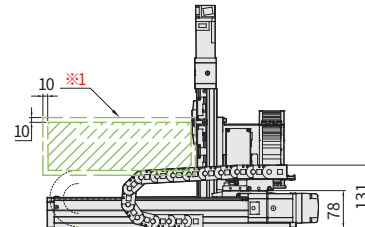
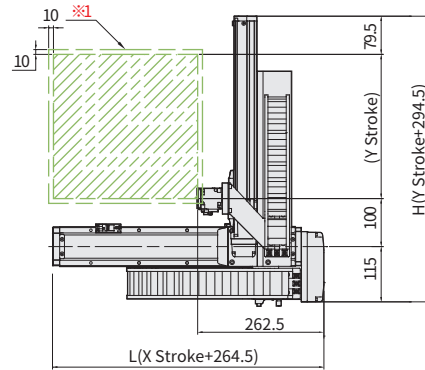
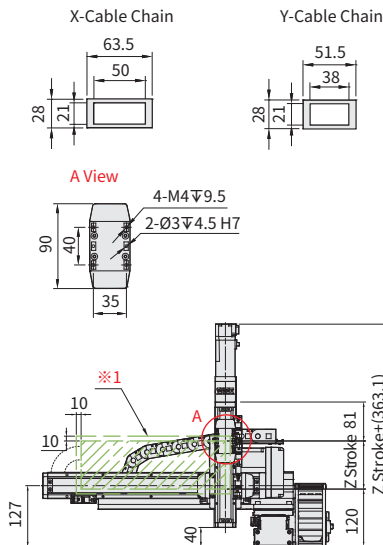
A3

2D CAD

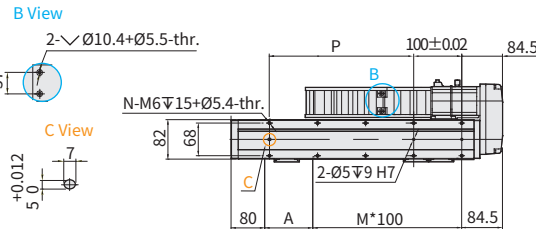
3D CAD

CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm



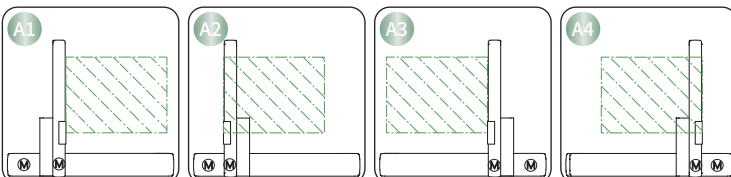
- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
Maximum speed is refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- ※4：Z 軸總高度會依搭配的馬達廠牌而變動  
The total height of Z-axis will be different from motor's brands.  
X 軸履帶固定端固定板由客戶自行連結  
Fixing palate for X axis fixed end of cable chain need to be assembled by customers
- ※5：行程 50 時，因本體上鎖式固定孔會被滑座遮住，僅能使用 4 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.



X 軸行程 X Stroke (mm)	50 <sup>※5</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
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	1364.5	1414.5	1464.5	1514.5
A	50	100	50	100	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	11	12	12	13
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
最高使用速度 <sup>※2※3</sup> Max. Speed (mm/s)	1200												1167	1000	900	800	700	600	533	467	433	400	367	333	

Y 軸行程 Y Stroke (mm)	100	150	200	250
H	394.5	444.5	494.5	544.5
最高使用速度 Max. Speed (mm/s)	600			

**連結方向 Combination Direction**



**配件規格 Spec. Details**

- X 軸詳細規格 X-axis Detail Spec. → P109
- Y 軸詳細規格 Y-axis Detail Spec. → P105
- Z 軸詳細規格 Z-axis Detail Spec. → P097
- 馬達廠牌選定 Motor Brand Options. → P665

## XYGT321-A3 尺寸圖 Size

A3

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000321	IGUS-1500.038.048.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

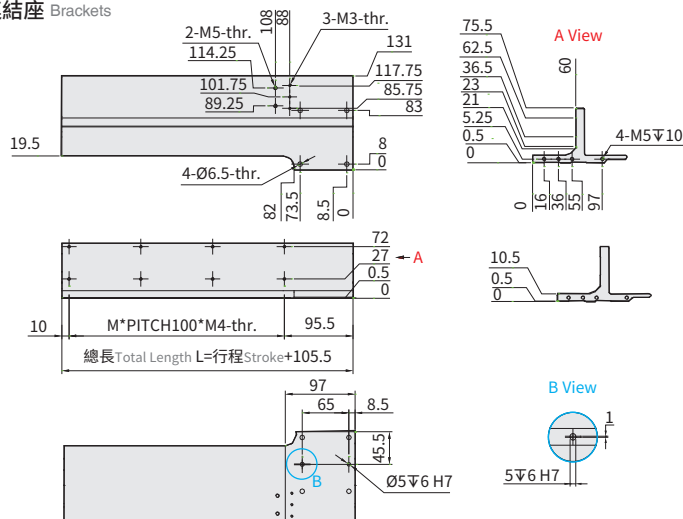
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26
Y 軸使用節數 Number For Pitch of Y Axis			13	13	14	15	16	16	17	18	19												

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



### 連結座各行程對應料號

Part Number of Brackets According to Strokes

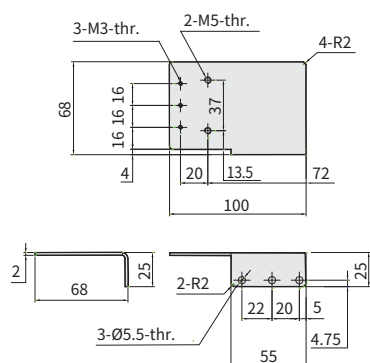
料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000051	100	XYGT320-A2/A3- 行程 100- 長 205.5 XYGT320-A2/A3- Stroke 100-Length 205.5
11033-000052	150~200	XYGT440-A2/A3- 行程 150(200)- 長 305.5 XYGT440-A2/A3- Stroke 150(200)-Length 305.5
11033-000053	250~300	XYGT440-A2/A3- 行程 250(300)- 長 405.5 XYGT440-A2/A3- Stroke 250(300)-Length 405.5
11033-000054	350~400	XYGT440-A2/A3- 行程 350(400)- 長 505.5 XYGT440-A2/A3- Stroke 350(400)-Length 505.5
11033-000055	450~500	XYGT440-A2/A3- 行程 450(500)- 長 605.5 XYGT440-A2/A3- Stroke 450(500)-Length 605.5

有效行程 Stroke	100	150	200	250	300	350	400	450	500
L	205.5	305.5	405.5	405.5	505.5	505.5	605.5	605.5	
M	1	2	3	3	4	4	5	5	

### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000483

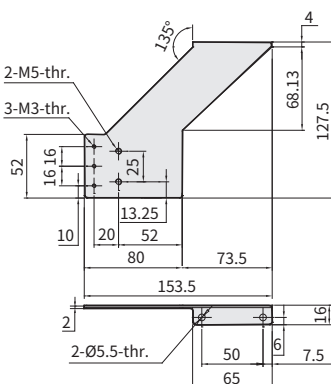
材質 Material : SUS304



### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000485

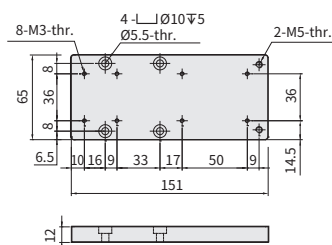
材質 Material : SUS304



### Z 軸板金 Sheet Metal of Z Axis

料號 Part NO : 11011-001060

材質 Material : AL6061



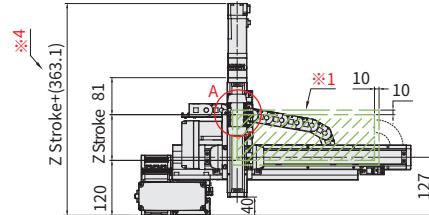
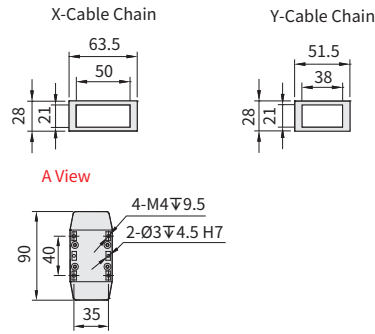
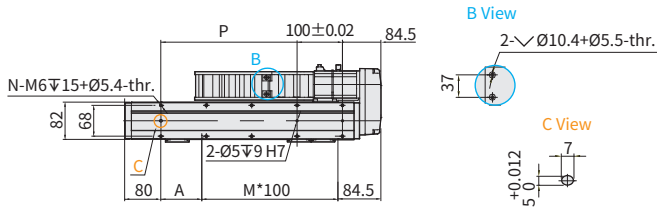
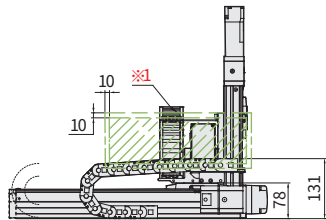
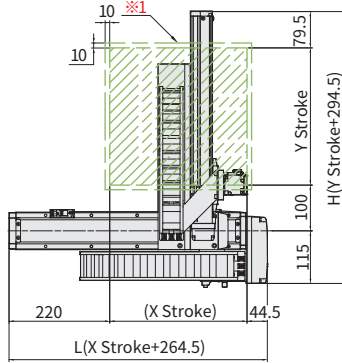
**XYGT321-A4 尺寸圖 Size**

A4



CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm



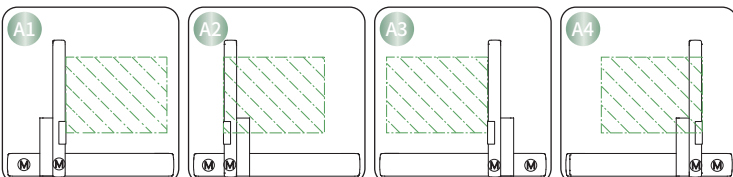
- ※1 : 原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2 : 最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3 : 最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
Maximum speed is refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- ※4 : Z 軸總高度會依搭配的馬達廠牌而變動  
The total height of Z-axis will be different from motor's brands.  
X 軸履帶固定端固定板由客戶自行連結  
Fixing palate for X axis fixed end of cable chain need to be assembled by customers

※5 : 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.

X 軸行程 X Stroke (mm)	50 <sup>※5</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	100	1050	1100	1150	1200	1250
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	1364.5	1414.5	1464.5	1514.5
A	50	100	50	100	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	11	12	12	13
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
最高使用速度 Max. Speed (mm/s)	1200												1167	1000	900	800	700	600	533	467	433	400	367	333	

Y 軸行程 Y Stroke (mm)	100	150	200	250
H	394.5	444.5	494.5	544.5
最高使用速度 Max. Speed (mm/s)	600			

**連結方向 Combination Direction**



**配件規格 Spec. Details**

- X 軸詳細規格 X-axis Detail Spec. → P109
- Y 軸詳細規格 Y-axis Detail Spec. → P105
- Z 軸詳細規格 Z-axis Detail Spec. → P097
- 馬達廠牌選定 Motor Brand Options. → P665

## XYGT321-A4 尺寸圖 Size

A4

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000321	IGUS-1500.038.048.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

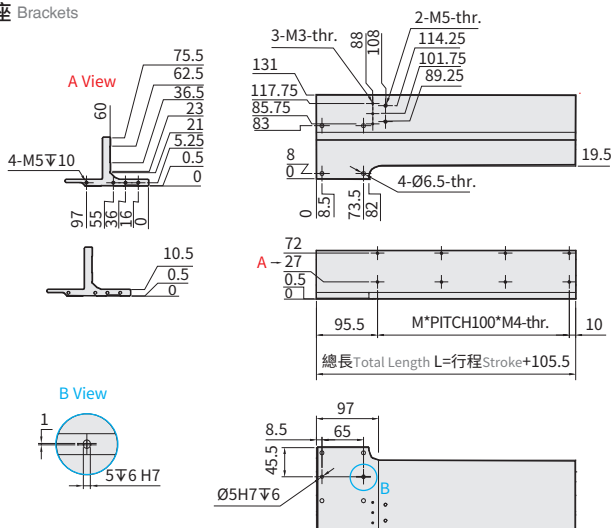
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26
Y 軸使用節數 Number For Pitch of Y Axis			13	13	14	15	16	16	17	18	19												

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



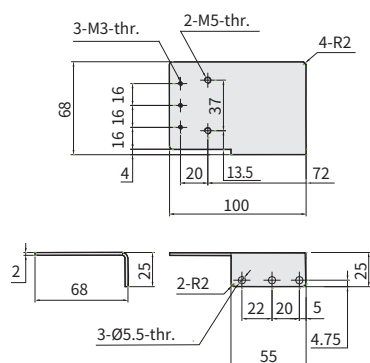
### 連結座各行程對應料號

Part Number of Brackets According to Strokes

料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000046	100	XYGT320-A1/A4-行程 100- 長 205.5 XYGT320-A1/A4-Stroke 100-Length 205.5
11033-000047	150~200	XYGT440-A1/A4-行程 150(200)- 長 305.5 XYGT440-A1/A4-Stroke 150(200)-Length 305.5
11033-000048	250~300	XYGT440-A1/A4-行程 250(300)- 長 405.5 XYGT440-A1/A4-Stroke 250(300)-Length 405.5
11033-000049	350~400	XYGT440-A1/A4-行程 350(400)- 長 505.5 XYGT440-A1/A4-Stroke 350(400)-Length 505.5
11033-000050	450~500	XYGT440-A1/A4-行程 450(500)- 長 605.5 XYGT440-A1/A4-Stroke 450(500)-Length 605.5

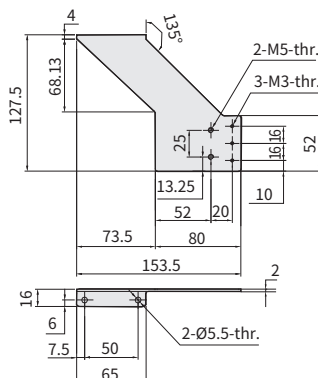
### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000483  
材質 Material : SUS304



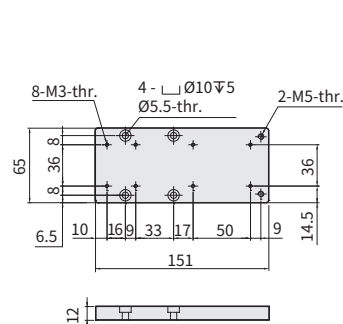
### Y 軸板金 Sheet Metal of Y Axis

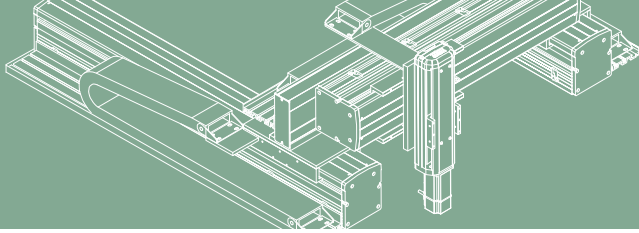
料號 Part NO : 22041-000484  
材質 Material : SUS304



### Z 軸板金 Sheet Metal of Z Axis

料號 Part NO : 11011-001060  
材質 Material : AL6061





免費服務專線：大陸 400-875-0009 台灣 0800-800-893  
Toll-Free Number China Taiwan

應用例  
Application

一般 / 螺桿仕様  
GTH / GTY / ETH / Y

一般 / 皮帶仕様  
ETB / M

無塵 / 螺桿仕様  
GCH / ECH

無塵 / 皮帶仕様  
ECB

直交連結  
XYGI

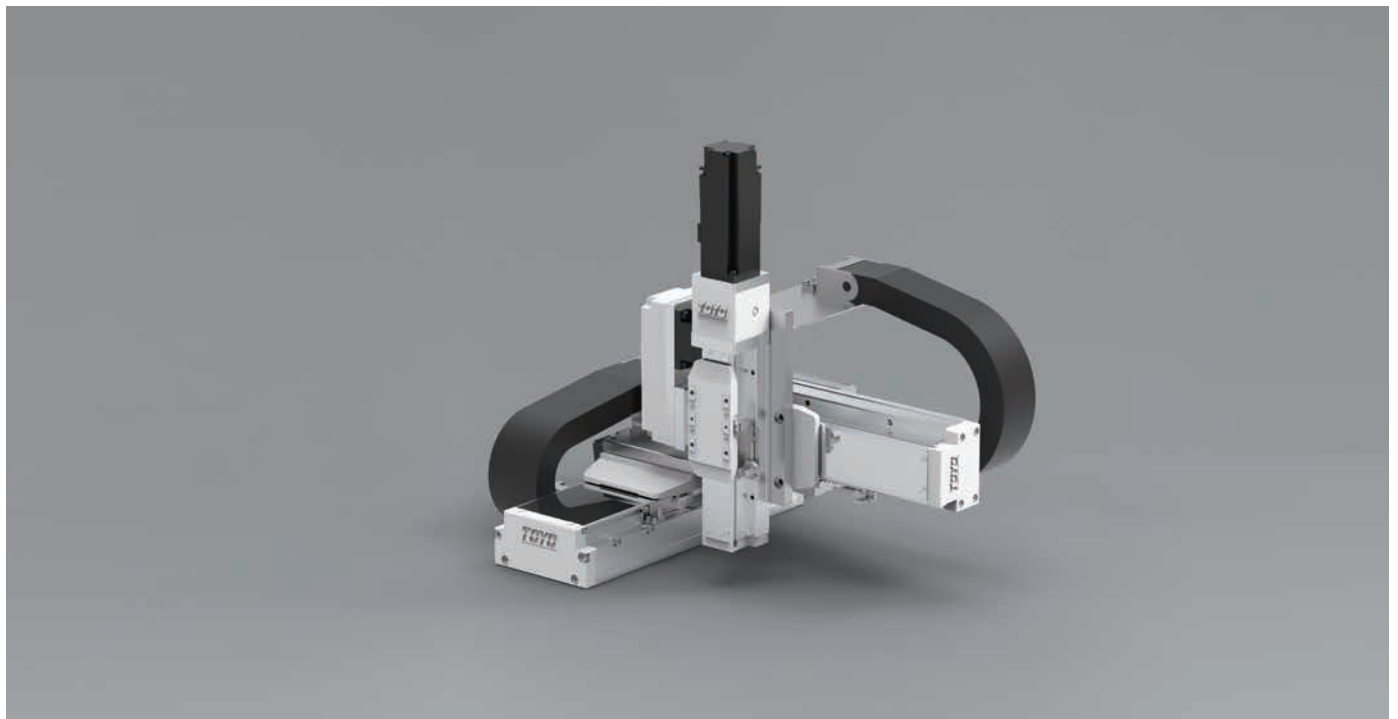
參考資料  
Reference

## Memo

# XYGT432-A 2軸 /2-axis

▶ 軌道內嵌  
Built-in Linear Motion Guide

▶ 螺桿驅動  
Ball Screw Drive



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.

\* 標準連結滑台不提供同動精度  
Assembly accuracy is not guaranteed for the standard multi-axis system.

## 最大行程 Maximum Stroke

X軸 1250mm    Y軸 550mm    Z軸 350mm

## 最高速度 Maximum Speed

X軸 1200mm/s    Y軸 600mm/s    Z軸 300mm/s

## AC 伺服馬達容量 AC Servo Motor Output

X軸 400W    Y軸 200W    Z軸 100W+ 煞車

## 基本仕様 Specification

項目 Item	X軸 X axis	Y軸 Y axis	Z軸 Z axis
軸型式 Model Type	GTH12	GTH8	GTH5
位置重複精度 Repeatability (mm)	±0.005	±0.005	±0.005
螺桿導程 Ball Screw Lead (mm)	20	10	5
最高速度 Maximum Speed (mm/s) ※1	1200	600	300
標準行程 (50 間隔) Stroke 50 mm Pitch (mm)	50~1250	100~550	50~350
AC 伺服馬達容量 AC Servo Motor Output (w)	400	200	100+ 剎車
使用環境 Environment	0- 40°C ,85% R H Below		

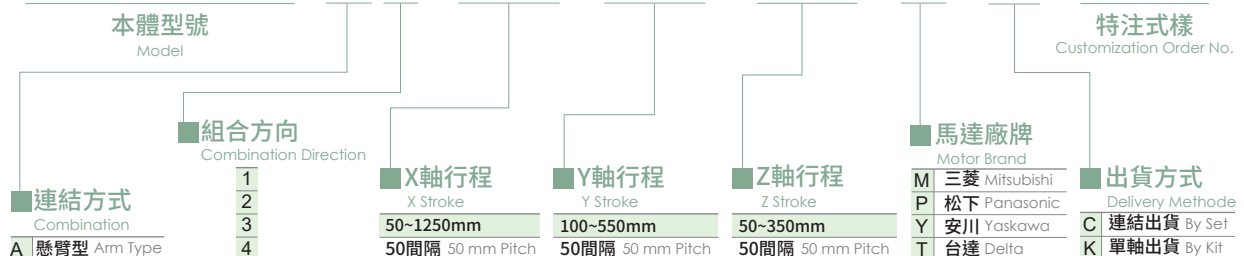
※1: 最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.

## 最大可搬重量 Maximum Payload

Z 行程 Z Stroke (mm)	Y 行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550
50					10				7.77	4.77	1.77
100					10				7.58	4.58	1.58
150					10				7.38	4.38	1.38
200					10				7.18	4.18	1.18
250					10				6.99	3.99	0.99
300					10				6.79	3.79	0.79
350					10				6.59	3.59	0.59

## 型號表示方式 Ordering Method

XYGT432 - A 1 - 300 - 300 - 100 - M - C - 0001





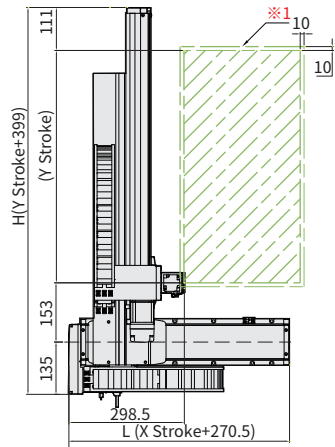
**XYGT432-A1 尺寸圖 Size**

A1

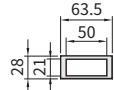
2D CAD 3D CAD

CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm



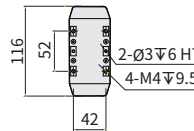
X-Cable Chain



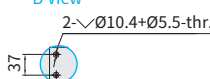
Y-Cable Chain



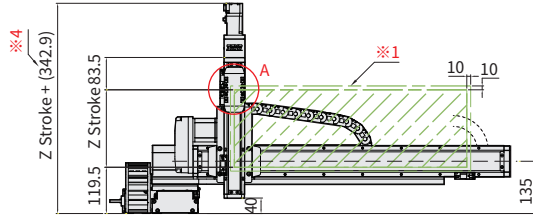
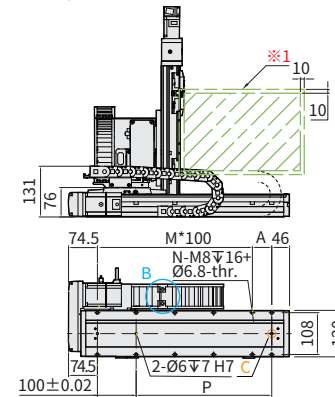
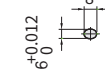
A View



B View



C View



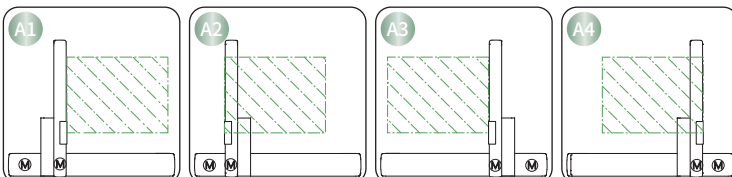
- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以何服馬達最高轉速，導程2為3000RPM為計算基準，其餘導程為3600RPM為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
Maximum speed is refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- ※4：Z 軸總高度會依搭配的馬達廠牌而變動  
The total height of Z-axis will be different from motor's brands.  
X 軸履帶固定端固定板由客戶自行連結  
Fixing palate for X axis fixed end of cable chain need to be assembled by customers

※5：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.

X 軸行程 X Stroke (mm)	50 <sup>※5</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	100	1050	1100	1150	1200	1250	
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5	
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1050	1100	1150	1200	1250	1300	1350	
最高使用速度 Max. Speed (mm/s)	1200															1100	1000	900	800	700	667	633	567	533	500	467

Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550
H	499	549	599	649	699	749	799	849	899	949
最高使用速度 Max.Speed(mm/s)	600									

**連結方向 Combination Direction**



**配件規格 Spec. Details**

- X 軸詳細規格 X-axis Detail Spec. → P117
- Y 軸詳細規格 Y-axis Detail Spec. → P109
- Z 軸詳細規格 Z-axis Detail Spec. → P105
- 馬達廠牌選定 Motor Brand Options. → P665

## XYGT432-A1 尺寸圖 Size

A1

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000399	IGUS-1500.038.075.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

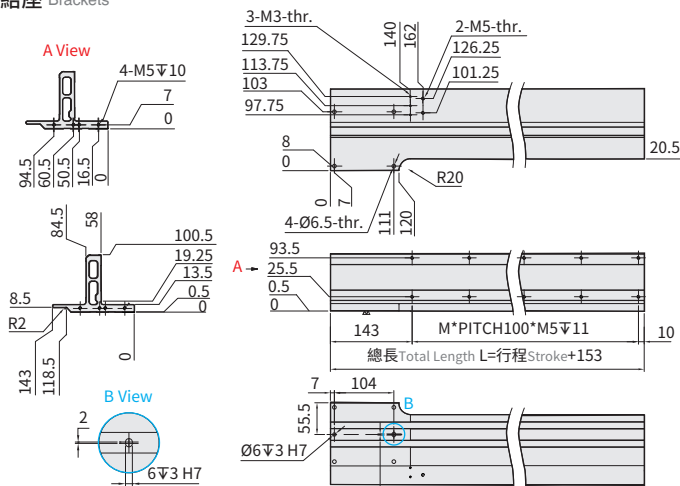
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke																								
	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
X 軸使用節數 Number For Pitch of X Axis	10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26	25	26	27
Y 軸使用節數 Number For Pitch of Y Axis		12	13	14	16	17	18	19	20	22	23	23													

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600
L	253	353	453	553	653	753					
M	1	2	3	4	5	6					

### 連結座各行程對應料號

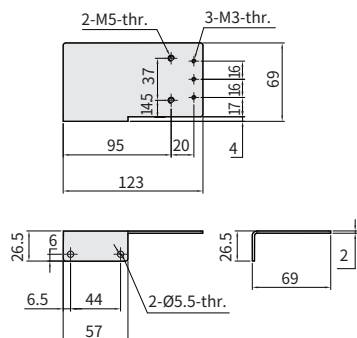
Part Number of Brackets According to Strokes

料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000072	100	XYGT440-A1/A4-行程 100- 長 253 XYGT440-A1/A4-Stroke 100-Length 253
11033-000073	150~200	XYGT440-A1/A4-行程 150(200)- 長 353 XYGT440-A1/A4-Stroke 150(200)-Length 353
11033-000074	250~300	XYGT440-A1/A4-行程 250(300)- 長 453 XYGT440-A1/A4-Stroke 250(300)-Length 453
11033-000075	350~400	XYGT440-A1/A4-行程 350(400)- 長 553 XYGT440-A1/A4-Stroke 350(400)-Length 553
11033-000076	450~500	XYGT440-A1/A4-行程 450(500)- 長 653 XYGT440-A1/A4-Stroke 450(500)-Length 653
11033-000077	550~600	XYGT440-A1/A4-行程 550(600)- 長 753 XYGT440-A1/A4-Stroke 550(600)-Length 753

### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000629

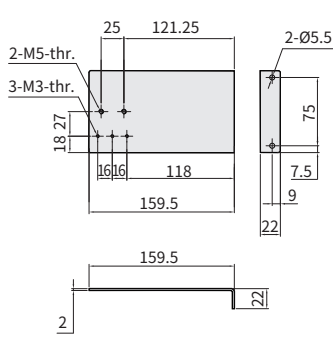
材質 Material : SUS304



### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000631

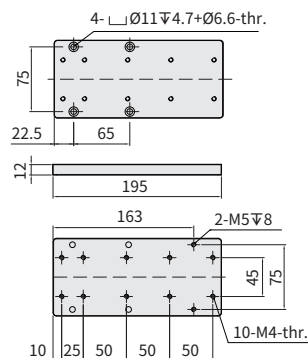
材質 Material : SUS304



### Z 軸板金 Sheet Metal of Z Axis

料號 Part NO : 11011-001166-02

材質 Material : AL6061



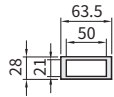
XYGT432-A2 尺寸圖 Size

A2

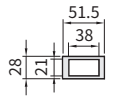
2D CAD 3D CAD

CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website: www.toyorobot.com

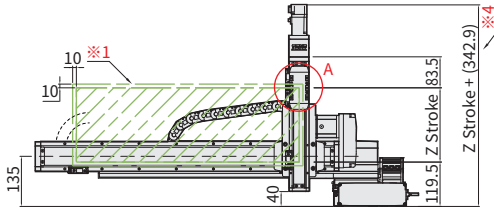
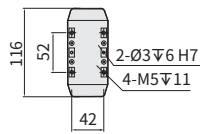
X-Cable Chain



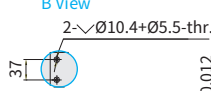
Y-Cable Chain



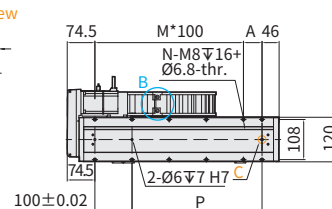
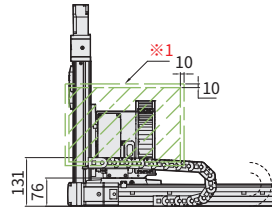
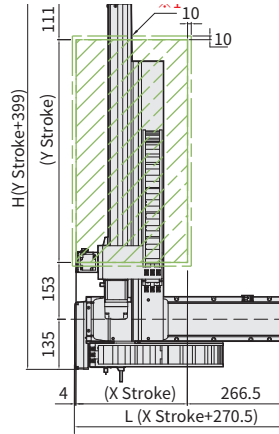
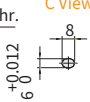
A View



B View



C View



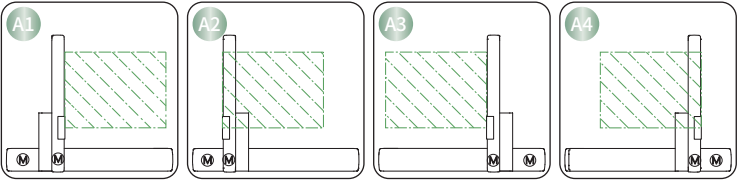
單位 Unit : mm

- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
Maximum speed is refers to the highest safe speed that can be used in stroke, if more than the strandard speed, it may occur serious resonance.
- ※4：Z 軸總高度會依搭配的馬達廠牌而變動  
The total height of Z-axis will be different from motor's brands.  
X 軸履帶固定端固定板由客戶自行連結  
Fixing palate for X axis fixed end of cable chain need to beassembled by customers
- ※5：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 fixas a result, suggest that fixing actuator body from the bottom to the top.

X 軸行程 X Stroke (mm)	50 <sup>※5</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	100	1050	1100	1150	1200	1250	
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5	
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1050	1100	1150	1200	1250	1300	1350	
最高使用速度 Max. Speed (mm/s)	1200															1100	1000	900	800	700	667	633	567	533	500	467

Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550
H	499	549	599	649	699	749	799	849	899	949
最高使用速度 Max.Speed(mm/s)	600									

連結方向 Combination Direction



配件規格 Spec. Details

- X 軸詳細規格 X-axis Detail Spec. → P117
- Y 軸詳細規格 Y-axis Detail Spec. → P109
- Z 軸詳細規格 Z-axis Detail Spec. → P105
- 馬達廠牌選定 Motor Brand Options. → P665

## XYGT432-A2 尺寸圖 Size

A2

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000399	IGUS-1500.038.075.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

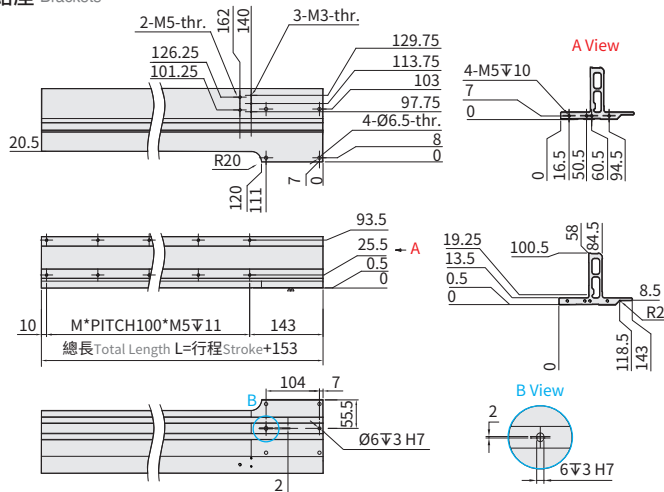
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26	25	26	27
Y 軸使用節數 Number For Pitch of Y Axis			12	13	14	16	17	18	19	20	22	23	23													

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600
L	253	353	453	553	653	753					
M	1	2	3	4	5	6					

### 連結座各行程對應料號

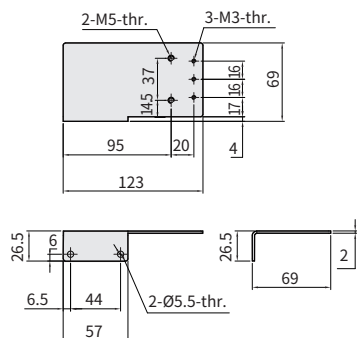
Part Number of Brackets According to Strokes

料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000078	100	XYGT440-A2/A3- 行程 100- 長 253 XYGT440-A2/A3- Stroke 100-Length 253
11033-000079	150~200	XYGT440-A2/A3- 行程 150(200)- 長 353 XYGT440-A2/A3- Stroke 150(200)-Length 353
11033-000080	250~300	XYGT440-A2/A3- 行程 250(300)- 長 453 XYGT440-A2/A3- Stroke 250(300)-Length 453
11033-000081	350~400	XYGT440-A2/A3- 行程 350(400)- 長 553 XYGT440-A2/A3- Stroke 350(400)-Length 553
11033-000082	450~500	XYGT440-A2/A3- 行程 450(500)- 長 653 XYGT440-A2/A3- Stroke 450(500)-Length 653
11033-000083	550~600	XYGT440-A2/A3- 行程 550(600)- 長 753 XYGT440-A2/A3- Stroke 550(600)-Length 753

### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000629

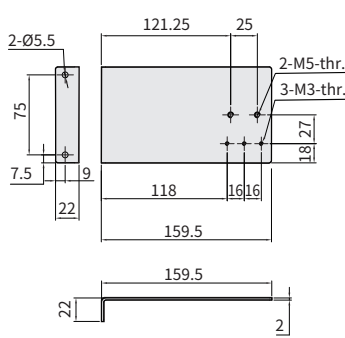
材質 Material : SUS304



### Y 軸板金 Sheet Metal of Y Axis

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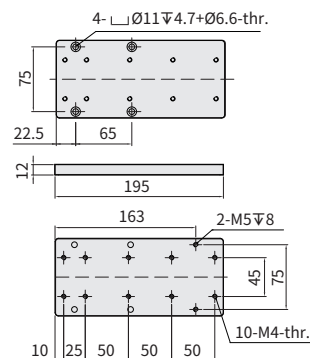
材質 Material : SUS304



### Z 軸板金 Sheet Metal of Z Axis

料號 Part NO : 11011-001166-02

材質 Material : AL6061



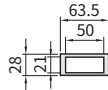
**XYGT432-A3 尺寸圖 Size**

A3

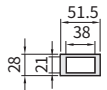


CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website : www.toyorobot.com

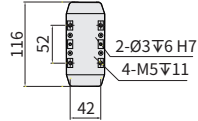
X-Cable Chain



Y-Cable Chain



A View



B View

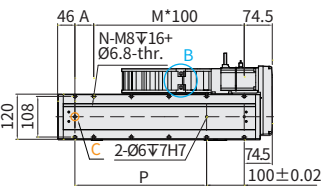
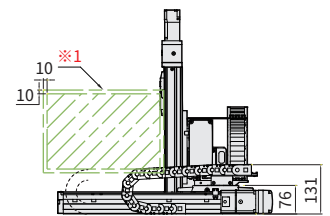
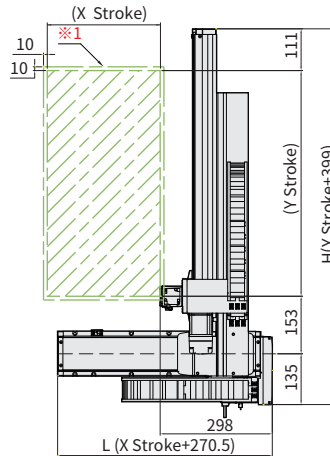
2~∅10.4+∅5.5-thr.



C View



單位 Unit : mm

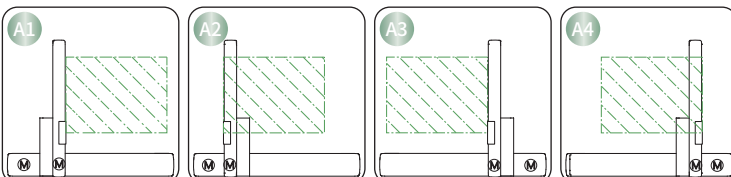


- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
Maximum speed is refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- ※4：Z 軸總高度會依搭配的馬達廠牌而變動  
The total height of Z-axis will be different from motor's brands.  
X 軸履帶固定端固定板由客戶自行連結  
Fixing palate for X axis fixed end of cable chain need to be assembled by customers
- ※5：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.

X 軸行程 X Stroke (mm)	50 <sup>※5</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	100	1050	1100	1150	1200	1250	
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5	
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1050	1100	1150	1200	1250	1300	1350	
最高使用速度 Max. Speed (mm/s)	1200															1100	1000	900	800	700	667	633	567	533	500	467

Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550
H	499	549	599	649	699	749	799	849	899	949
最高使用速度 Max.Speed(mm/s)	600									

**連結方向 Combination Direction**



**配件規格 Spec. Details**

- X 軸詳細規格 X-axis Detail Spec. → P117
- Y 軸詳細規格 Y-axis Detail Spec. → P109
- Z 軸詳細規格 Z-axis Detail Spec. → P105
- 馬達廠牌選定 Motor Brand Options. → P665

## XYGT432-A3 尺寸圖 Size

A3

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000399	IGUS-1500.038.075.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

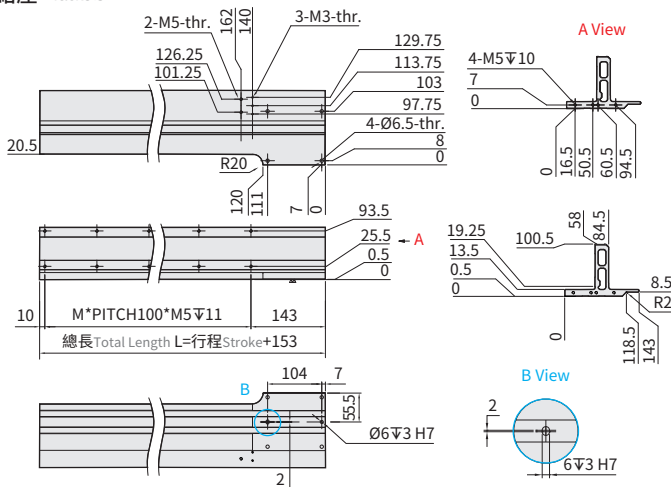
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26	25	26	27
Y 軸使用節數 Number For Pitch of Y Axis			12	13	14	16	17	18	19	20	22	23	23													

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600
L	253	353	453	553	653	753					
M	1	2	3	4	5	6					

### 連結座各行程對應料號

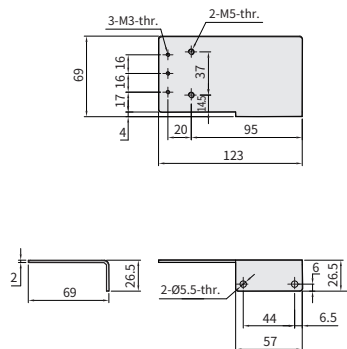
Part Number of Brackets According to Strokes

料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000078	100	XYGT440-A2/A3- 行程 100- 長 253 XYGT440-A2/A3- Stroke 100-Length 253
11033-000079	150~200	XYGT440-A2/A3- 行程 150(200)- 長 353 XYGT440-A2/A3- Stroke 150(200)-Length 353
11033-000080	250~300	XYGT440-A2/A3- 行程 250(300)- 長 453 XYGT440-A2/A3- Stroke 250(300)-Length 453
11033-000081	350~400	XYGT440-A2/A3- 行程 350(400)- 長 553 XYGT440-A2/A3- Stroke 350(400)-Length 553
11033-000082	450~500	XYGT440-A2/A3- 行程 450(500)- 長 653 XYGT440-A2/A3- Stroke 450(500)-Length 653
11033-000083	550~600	XYGT440-A2/A3- 行程 550(600)- 長 753 XYGT440-A2/A3- Stroke 550(600)-Length 753

### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000630

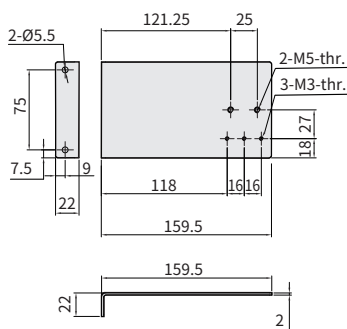
材質 Material : SUS304



### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000634

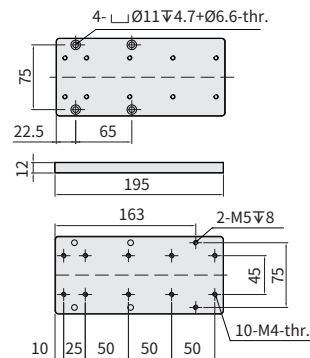
材質 Material : SUS304



### Z 軸板金 Sheet Metal of Z Axis

料號 Part NO : 11011-001166-02

材質 Material : AL6061



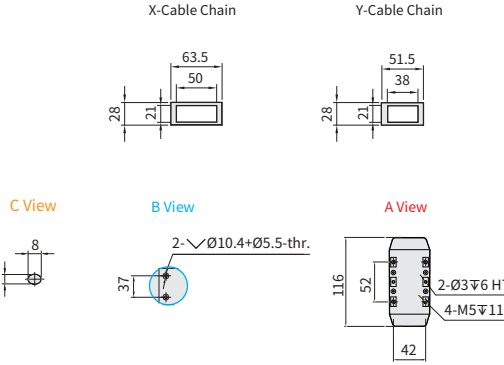
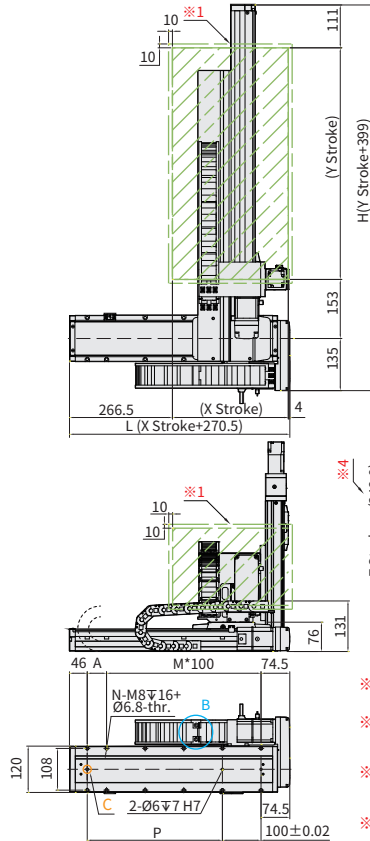
**XYGT432-A4 尺寸圖 Size**

A4

2D CAD 3D CAD

CAD圖面可至www.toyorobot.com下載  
Please download the CAD file from TOYO's website : www.toyorobot.com

單位 Unit : mm



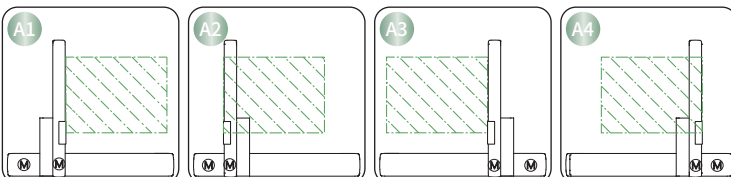
- ※1：原點回復時的移動範圍及機械極限的停止位置。  
The moving range of returning origin, the stop position of mechanical limit.
- ※2：最高速度 (mm/s) 是以伺服馬達最高轉速，導程 2 為 3000RPM 為計算基準，其餘導程為 3600RPM 為計算基準。  
The maximum speed (mm/s) is based on the maximum rotating speed of the servo motor. Lead 2 is calculated on a 3000RPM basis, and the other leads are calculated on a 3600RPM basis.
- ※3：最高使用速度代表該行程內可使用的最高安全速度，若超過此速度，滑台可能有嚴重共振產生。  
Maximum speed is refers to the highest safe speed that can be used in stroke, if more than the standard speed, it may occur serious resonance.
- ※4：Z 軸總高度會依搭配的馬達廠牌而變動  
The total height of Z-axis will be different from motor's brands.  
X 軸履帶固定端固定板由客戶自行連結  
Fixing palate for X axis fixed end of cable chain need to be assembled by customers

※5：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.

X 軸行程 X Stroke (mm)	50 <sup>※5</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	100	1050	1100	1150	1200	1250	
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5	
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1050	1100	1150	1200	1250	1300	1350	
最高使用速度 Max. Speed (mm/s)	1200															1100	1000	900	800	700	667	633	567	533	500	467

Y 軸行程 Y Stroke (mm)	100	150	200	250	300	350	400	450	500	550
H	499	549	599	649	699	749	799	849	899	949
最高使用速度 Max.Speed(mm/s)	600									

**連結方向 Combination Direction**



**配件規格 Spec. Details**

- X 軸詳細規格 X-axis Detail Spec. → P117
- Y 軸詳細規格 Y-axis Detail Spec. → P109
- Z 軸詳細規格 Z-axis Detail Spec. → P105
- 馬達廠牌選定 Motor Brand Options. → P665

## XYGT432-A4 尺寸圖 Size

A4

### 履帶及履帶固定板 Cable Track and Fixing Plate for Track

\*G 系列連結配件可單獨銷售 G Series Accessories Can Be Sold Separately.

	履帶料號 Part No of Cable Track	履帶使用規格 Specification of Cable Track	固定座料號 Part No of Fix Plate	固定座使用規格 Specification of Fixing Plate	固定座使用數量 Quantity of Fixing Plate
X 軸 X Axis	22021-000324	IGUS-1500.050.048.0- 節距 33.3 Pitch	22021-000322	15000.050.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2
Y 軸 Y Axis	22021-000399	IGUS-1500.038.075.0- 節距 33.3 Pitch	22021-000323	15000.038.34PZ-A2( 含活動端 + 固定端 ) Include moving end+fixing end	2

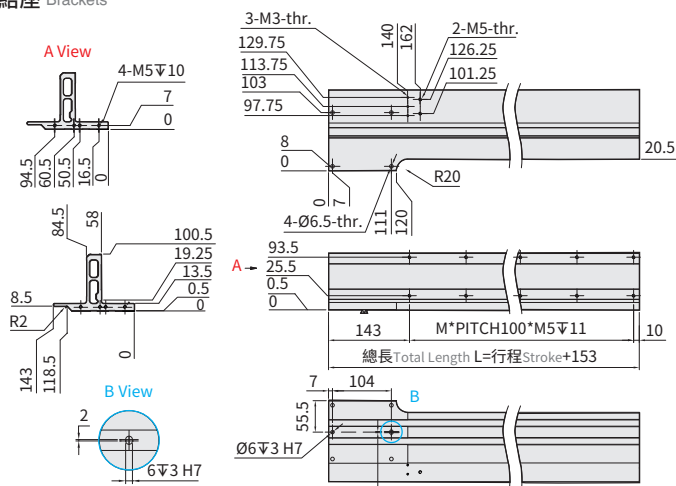
### 履帶使用節數數量 Quantity of Pitch Number for Cable Track

軸向 Axis	行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
X 軸使用節數 Number For Pitch of X Axis		10	11	11	12	13	14	14	15	16	17	17	18	19	20	20	21	22	23	23	24	25	26	25	26	27
Y 軸使用節數 Number For Pitch of Y Axis			12	13	14	16	17	18	19	20	22	23	23													

### 束線固定鈕規格 Fix Cable Button Specification

料號 Part No	規格 Specification	數量 Quantity
22200-000024	15*10*7- 市購 Outsource	9

### 連結座 Brackets



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600
L	253	353	453	553	653	753					
M	1	2	3	4	5	6					

### 連結座各行程對應料號

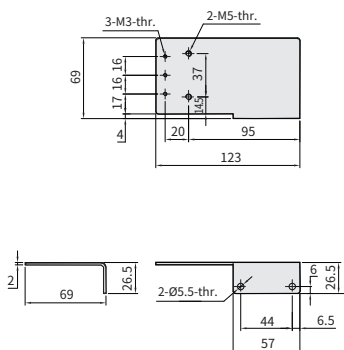
Part Number of Brackets According to Strokes

料號 Part No	Y 軸行程 Stroke of Y axis	規格 Specification
11033-000072	100	XYGT440-A1/A4-行程 100- 長 253 XYGT440-A1/A4-Stroke 100-Length 253
11033-000073	150~200	XYGT440-A1/A4-行程 150(200)- 長 353 XYGT440-A1/A4-Stroke 150(200)-Length 353
11033-000074	250~300	XYGT440-A1/A4-行程 250(300)- 長 453 XYGT440-A1/A4-Stroke 250(300)-Length 453
11033-000075	350~400	XYGT440-A1/A4-行程 350(400)- 長 553 XYGT440-A1/A4-Stroke 350(400)-Length 553
11033-000076	450~500	XYGT440-A1/A4-行程 450(500)- 長 653 XYGT440-A1/A4-Stroke 450(500)-Length 653
11033-000077	550~600	XYGT440-A1/A4-行程 550(600)- 長 753 XYGT440-A1/A4-Stroke 550(600)-Length 753

### X 軸板金 Sheet Metal of X Axis

料號 Part NO : 22041-000630

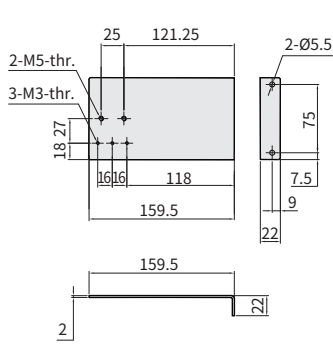
材質 Material : SUS304



### Y 軸板金 Sheet Metal of Y Axis

料號 Part NO : 22041-000631

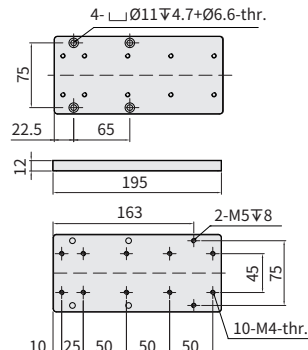
材質 Material : SUS304



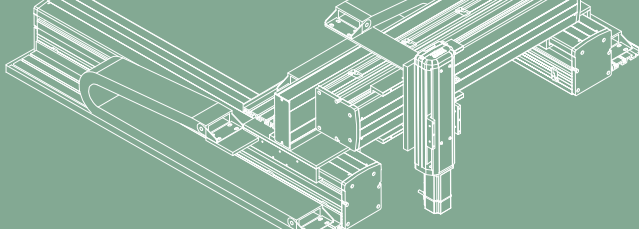
### Z 軸板金 Sheet Metal of Z Axis

料號 Part NO : 11011-001166-02

材質 Material : AL6061







免費服務專線：大陸 400-875-0009 台灣 0800-800-893  
Toll-Free Number China Taiwan

應用例  
Application

一般 / 螺桿仕様  
GTH / GTY / ETH / Y

一般 / 皮帶仕様  
ETB / M

無塵 / 螺桿仕様  
GCH / ECH

無塵 / 皮帶仕様  
ECB

直交連結  
XYGI

參考資料  
Reference

## Memo