

DTS Series



配線方便

Convenient Wiring

高精度

High Accuracy

運轉動作平穩

Stable Rotating Motion



型號代碼 Indication of Model Numbers

DTS060 - 18 - ST

規格型號

Model

DTS 060

DTS 085

DTS 130

DTS 200

減速比

Ratio

1:5

1:18

馬達類型

Motor type

ST: 開環步進馬達

Open-loop Stepping motor

STCL: 閉環步進馬達

Closed-loop Stepping motor



產品特征 Features

工作物可直接鎖固

旋轉盤面可直接鎖固工作物，提升工件裝載之方便性。

Direct Mounting of Workpiece

The rotating table allows for direct mounting of workpiece for added convenience in workpiece loading.

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此旋轉平臺為中空式設計，無論是配線或配管均方便。

Convenient Wiring

The rotating table is a hollow structure design, making it convenient for electric wiring or piping work.

高精度

定位精度小於1arcmin。

重複精度可達±15arcsec。

High Accuracy

Positioning accuracy is less 1arcmin.

Repeatability may reach ±15arcsec.

運轉動作平穩

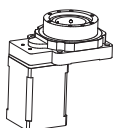
盤面轉動平穩、順暢，且定位快速。

Stable Rotating Motion

The table rotation is stable and smooth as well as fast in positioning.

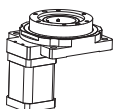
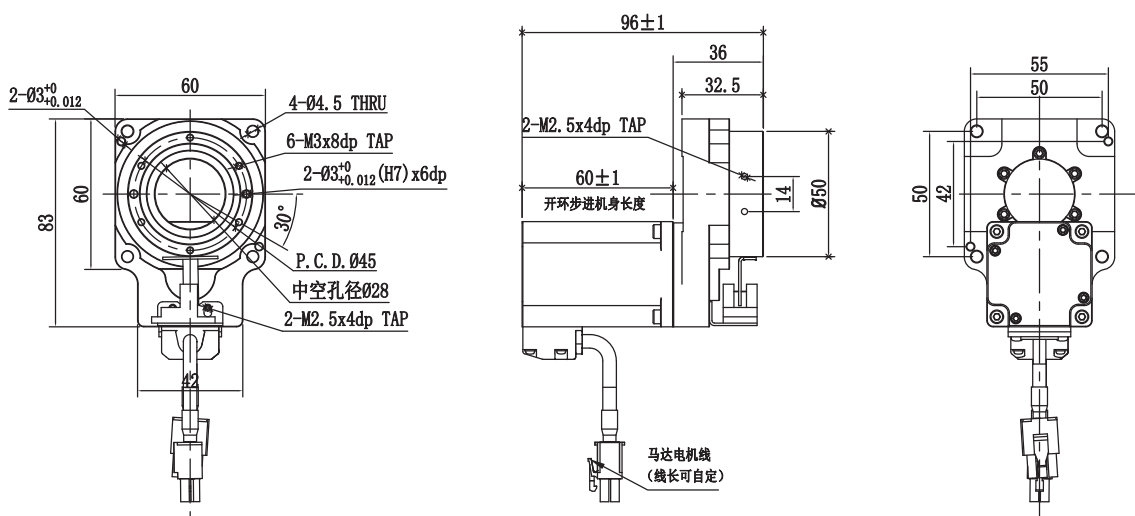
適配馬達	Motor Model	DTS060 42 Stepping motor	DTS085 42 Stepping motor	DTS130 57 Stepping motor	DTS200 86 Stepping motor
旋轉平臺軸承	Bearings of Rotating table	交叉滾子軸承/Crossed Roller Bearing			
減速比	Ratio	1:5	1:18	1:18	1:18
容許轉矩	Max.Torque	2.5Nm	9Nm	16.2Nm	54Nm
允許盤面轉速	Allowable Disk Speed	≤200r/min(間歇運轉/Intermittent operation)			
容許慣性載重	Max.Load of Inertia	8Nm	20Nm	52Nm	216Nm
容許軸向載重	Max.Axial Force	280N	500N	2000N	4000N
定位精度	Positioning Accuracy	≤1arcmin			
重複定位精度	Repeatability	≤15arcsec			
旋轉平臺平行度	Parallelism of rotating table	≤0.01mm			
旋轉平臺同心度	Concentricity of rotating table	≤0.01mm			
精度壽命	Life	20000h(間歇運轉/Intermittent operation)			
保護等級	Degree of Protection	IP40			
重量	Weight	1Kg	1.2Kg	3.2Kg	9Kg

* 本公司產品不斷研究、開發，上表所示之數據力求精準，若有不符請以實物為準，若有特殊尺寸要求，請聯繫本公司。
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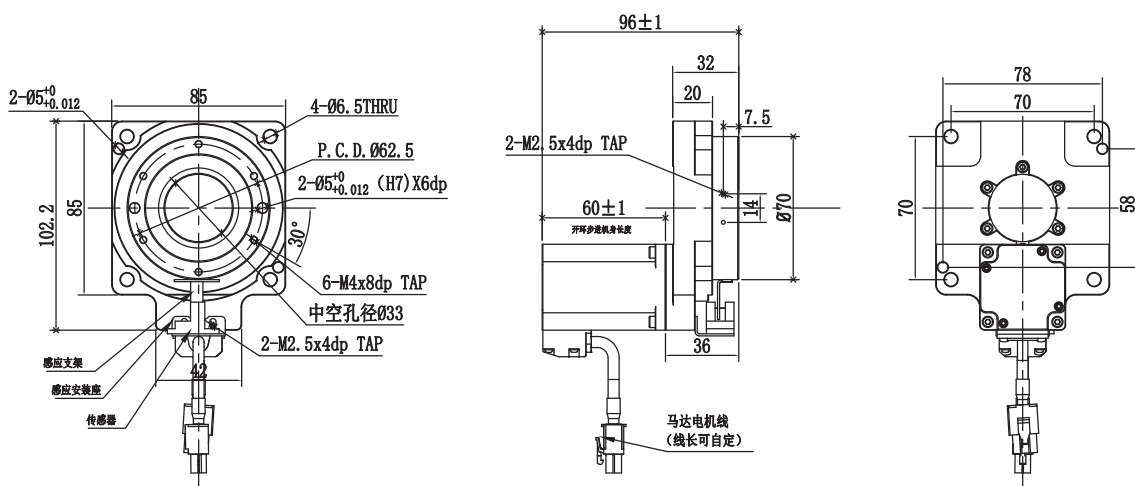
DTS060-05-ST42 開環步進直結式外形尺寸圖/Stepping motor Dimensions

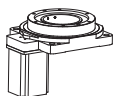
單位mm / All dimensions in mm unless specified.



DTS085-18-ST42 開環步進直結式外形尺寸圖/Stepping motor Dimensions

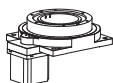
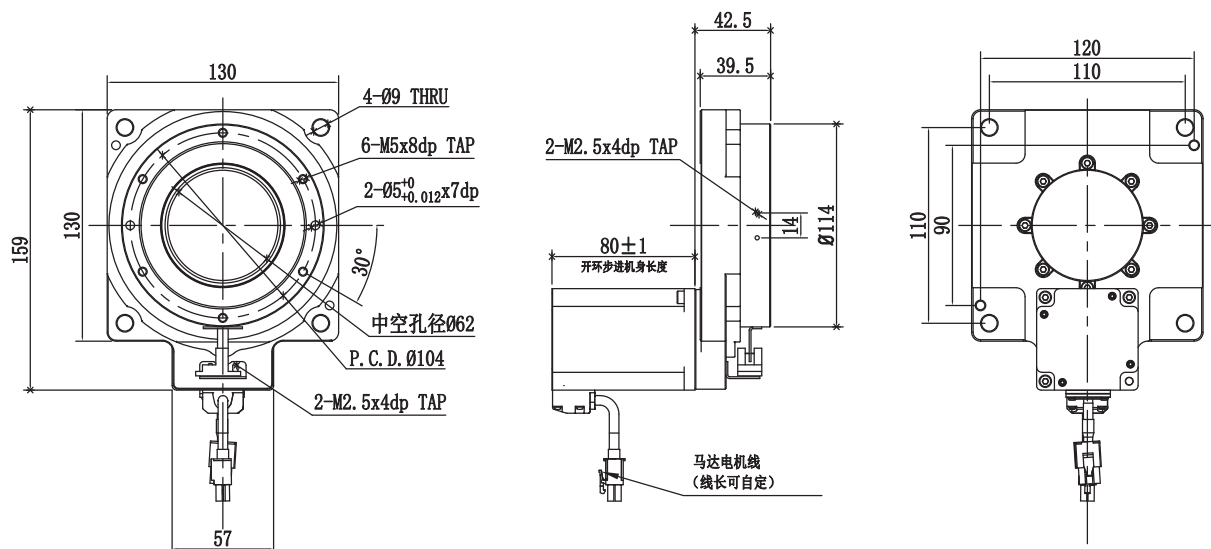
單位mm / All dimensions in mm unless specified.





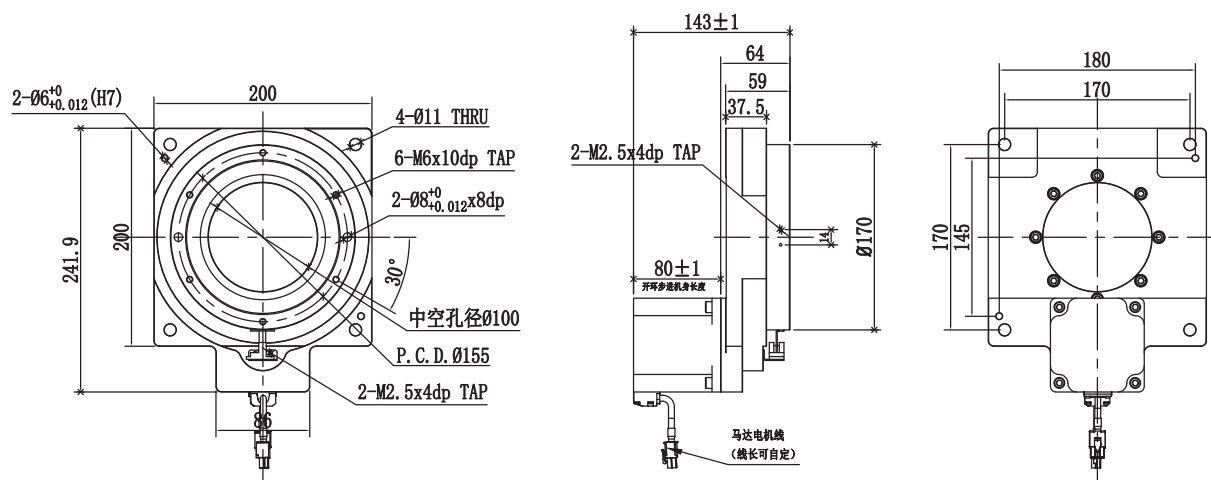
DTS130-18-ST57 開環步進直結式外形尺寸圖/Stepping motor Dimensions

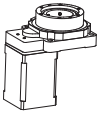
單位mm / All dimensions in mm unless specified.



DTS200-18-ST86 開環步進直結式外形尺寸圖/Stepping motor Dimensions

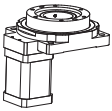
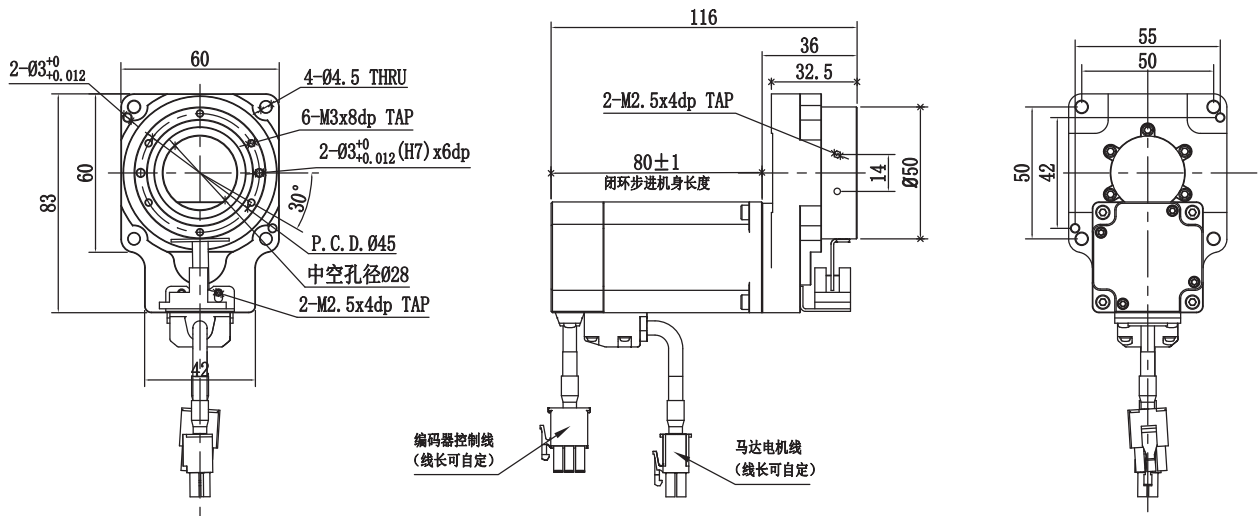
單位mm / All dimensions in mm unless specified.





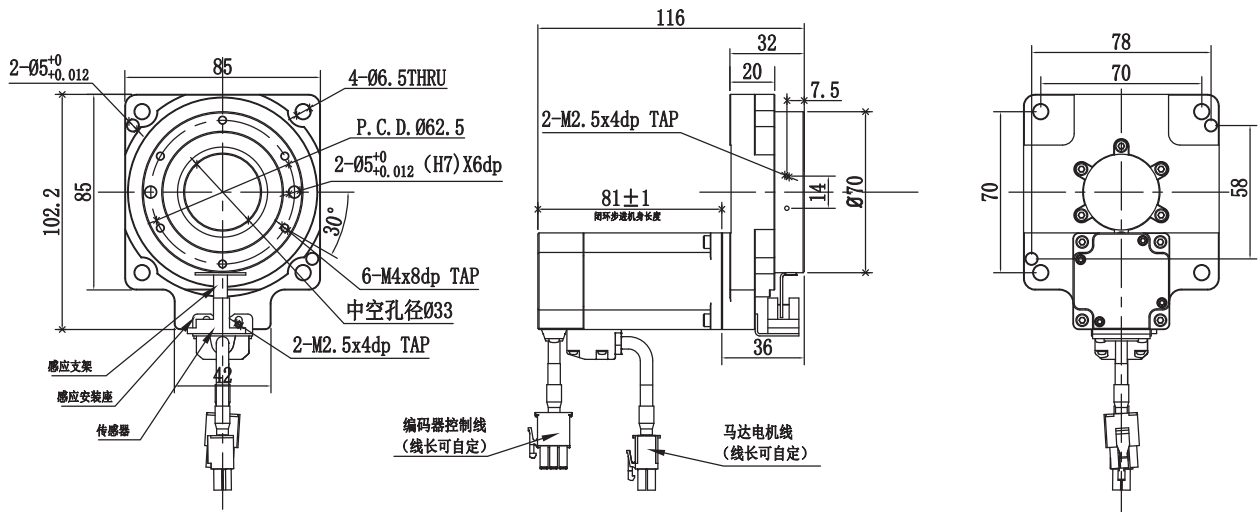
DTS060-05-STCL42 閉環步進直結式外形尺寸圖 /Closed-loop Stepping motor Dimensions

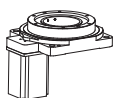
單位mm / All dimensions in mm unless specified.



DTS085-18-STCL42 閉環步進直結式外形尺寸圖 /Closed-loop Stepping motor Dimensions

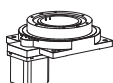
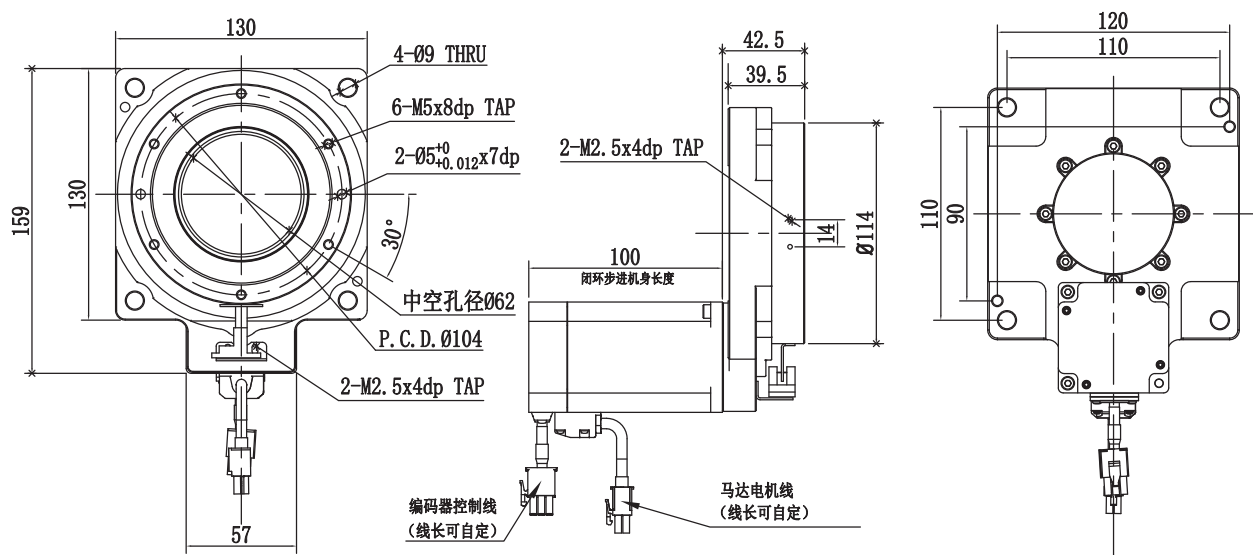
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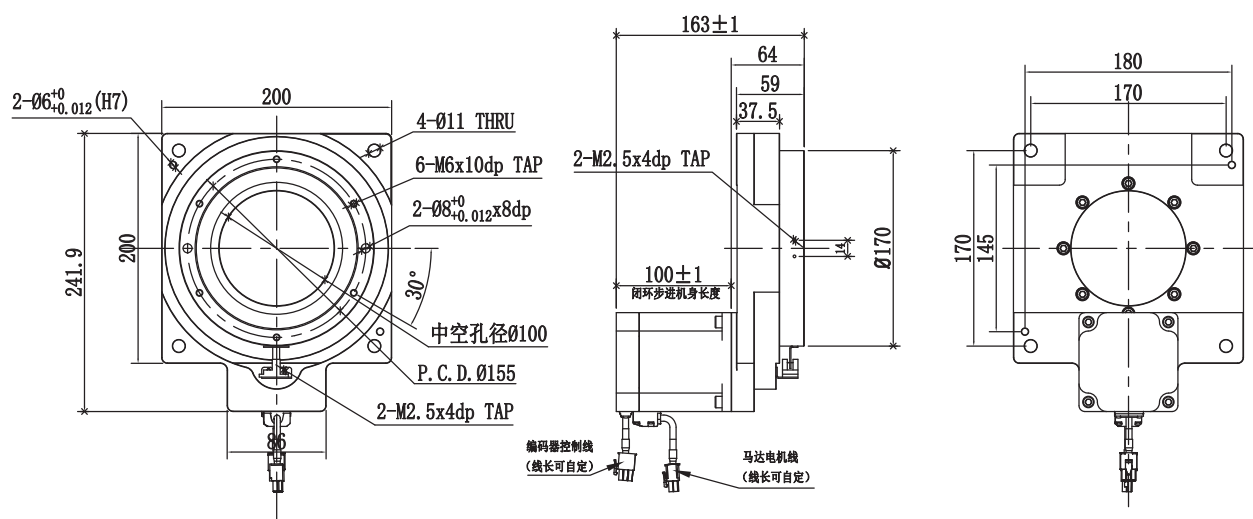
DTS130-18-STCL57 閉環步進直結式外形尺寸圖 /Closed-loop Stepping motor Dimensions

單位mm / All dimensions in mm unless specified.



DTS200-18-STCL86 閉環步進直結式外形尺寸圖 /Closed-loop Stepping motor Dimensions

單位mm / All dimensions in mm unless specified.



DTR Series



配線方便

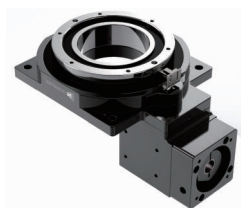
Convenient Wiring

高精度

High Accuracy

運轉動作平穩

Stable Rotating Motion



型號代碼 Indication of Model Numbers

DTR085 - 10 - PLUS - ST

規格型號 Model	減速比 Ratio	選配(Opt.) 行星減速機 Planetary gear reducer	馬達類型 Motor type
DTS 085	1: 10	Planetary gear reducer	ST: 步進馬達 Stepping motor
DTS 130	1: 20		SV: 交流伺服馬達 AC servo motor
DTS 200			



產品特征 Features

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運轉動作平穩

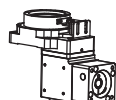
盤面轉動平穩、順暢，且定位快速。

Stable Rotating Motion

The table rotation is stable and smooth as well as fast in positioning.

適配馬達	Motor Model	DTR060	DTR085	DTR130	DTR200
旋轉平臺軸承	Bearings of Rotating table	交叉滾子軸承/Crossed Roller Bearing			
減速比	Ratio(n=2,3,5)	5*n/10*n	5*n/10*n/18*n	10*n/18*n	10*n/18*n
容許轉矩	Max.Torque	5Nm/4Nm	30Nm/18Nm/15Nm	52Nm/32Nm	90Nm/60Nm
允許轉速	Max.Speed	≤200r/min(間歇運轉/Intermittent operation)			
容許慣性載重	Max.Load of Inertia	8Nm/6Nm	60Nm/32Nm/20Nm	72Nm/52Nm	135Nm/92Nm
容許軸向載重	Max.Axial Force	280Nm	500Nm	2000Nm	4000Nm
定位精度	Positioning Accuracy	≤1arcmin			
重複定位精度	Repeatability	≤15arcsec			
旋轉平臺平行度	Parallelism of rotating table	≤0.01mm			
旋轉平臺同心度	Concentricity of rotating table	≤0.01mm			
精度壽命	Life	20000h(間歇運轉/Intermittent operation)			
保護等級	Degree of Protection	IP40			
重量	Weight	0.6Kg	1.2Kg	2.5Kg	8Kg

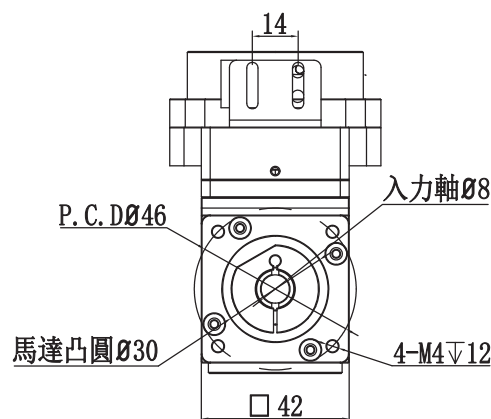
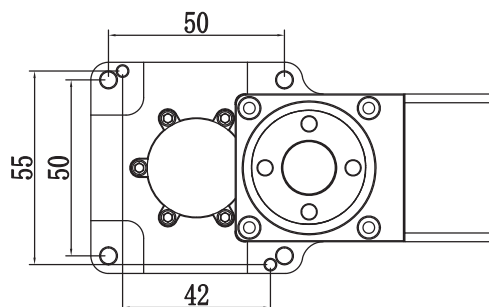
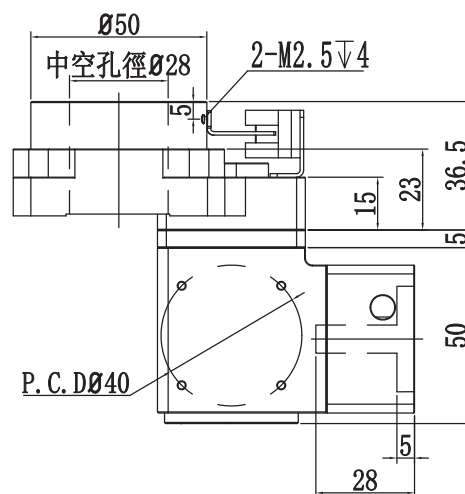
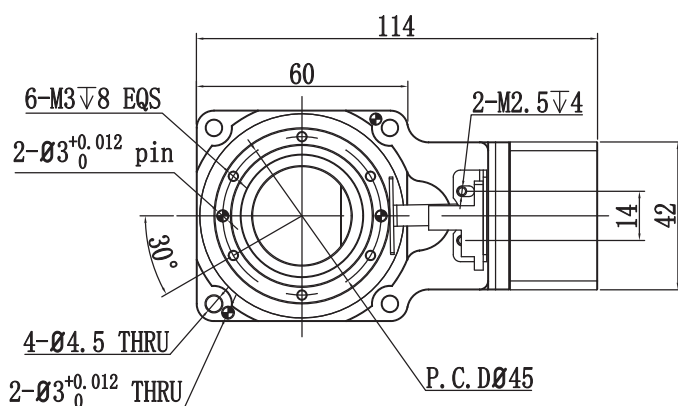
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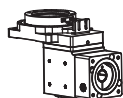


DTR060外形尺寸圖 Dimensions

單位mm / All dimensions in mm unless specified.

*訂購時請提供馬達法蘭尺寸 Please provide motor flange size when ordering.

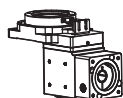
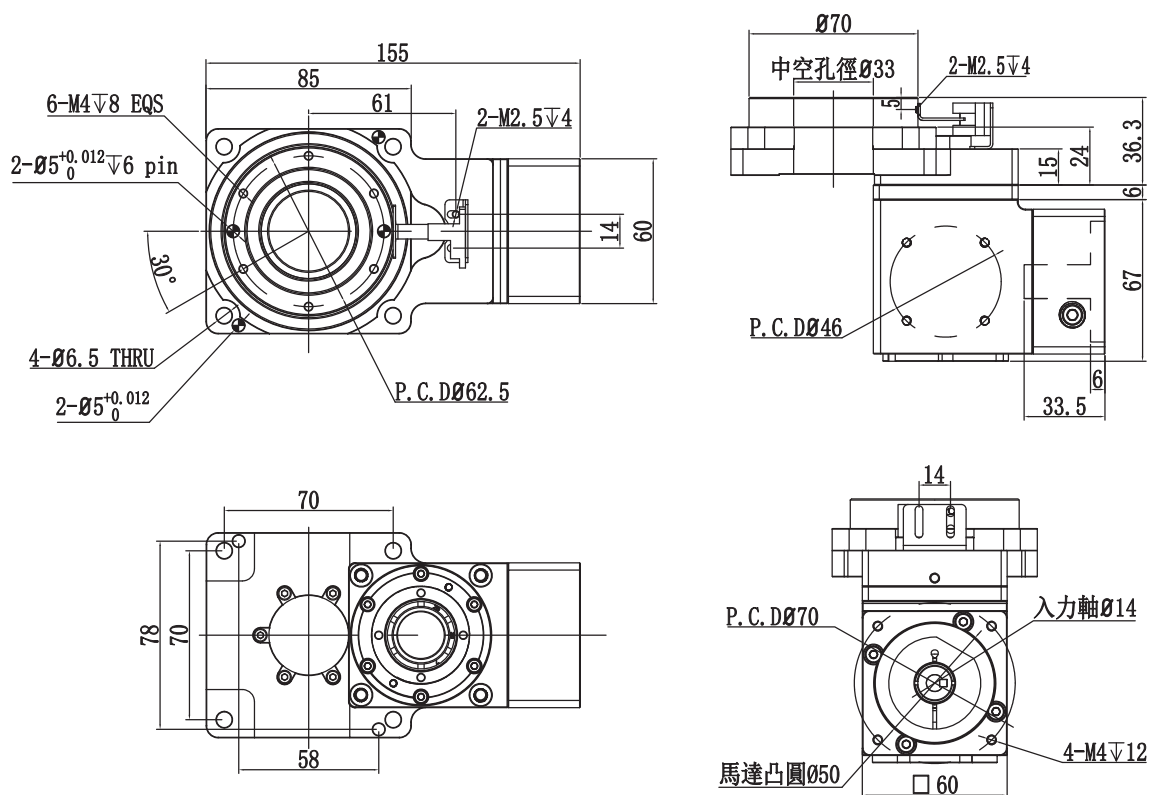




DTR085(DTN085-5)外形尺寸圖/Dimensions

單位mm / All dimensions in mm unless specified.

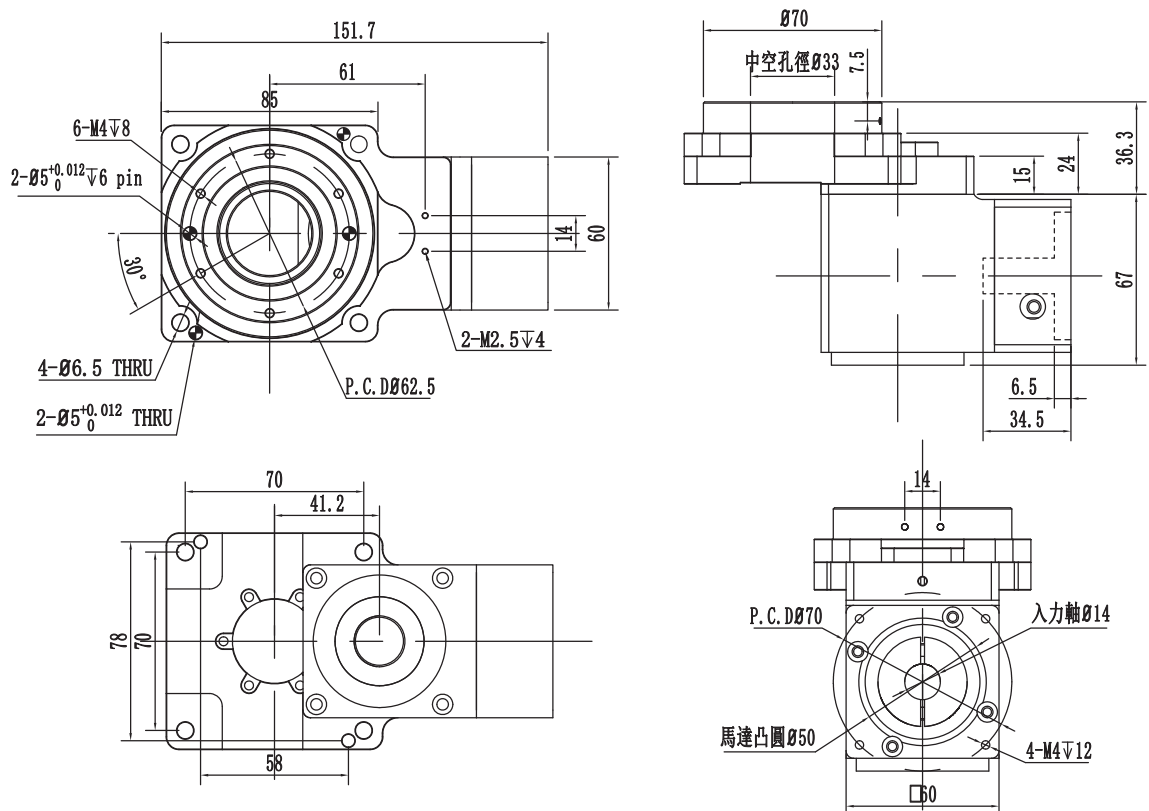
*訂購時請提供馬達法蘭尺寸 Please provide motor flange size when ordering.

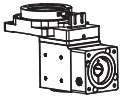


DTR085(DTN085-10)外形尺寸圖/Dimensions

單位mm / All dimensions in mm unless specified.

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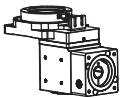
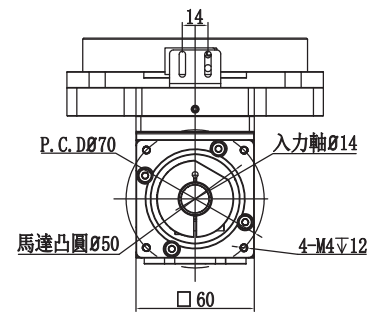
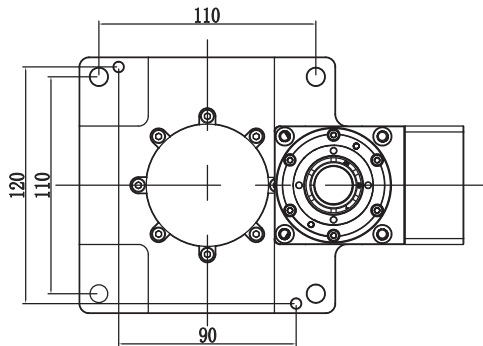
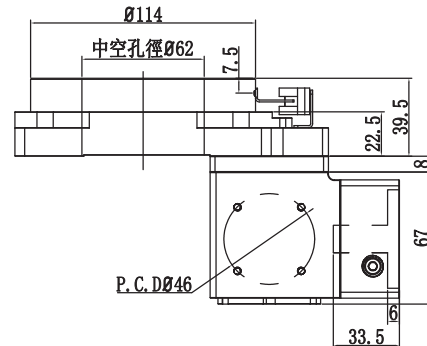
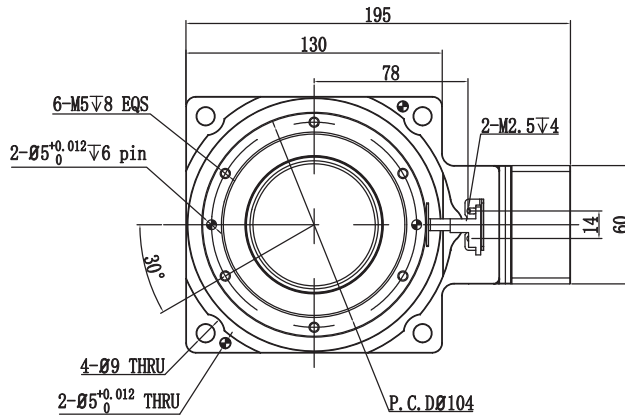




DTR130外形尺寸圖/Dimensions

單位mm / All dimensions in mm unless specified.

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DTR200外形尺寸圖/Dimensions

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