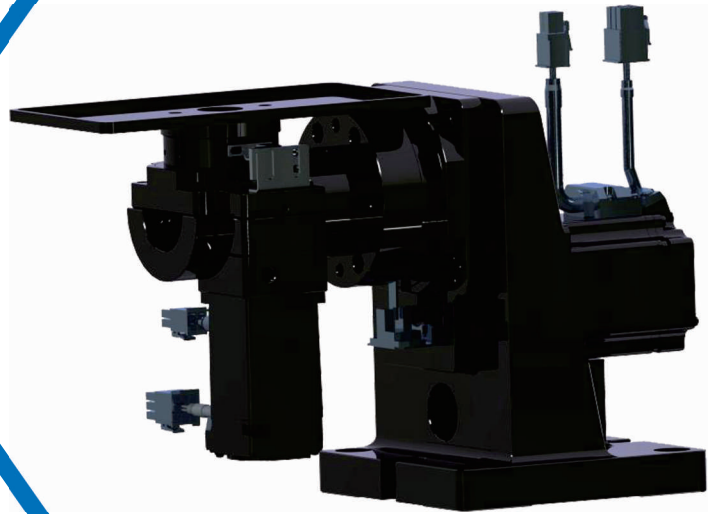




模組化設計

簡易安裝

個性化定製

Module Structural Design

Easy to install and operate

Customization

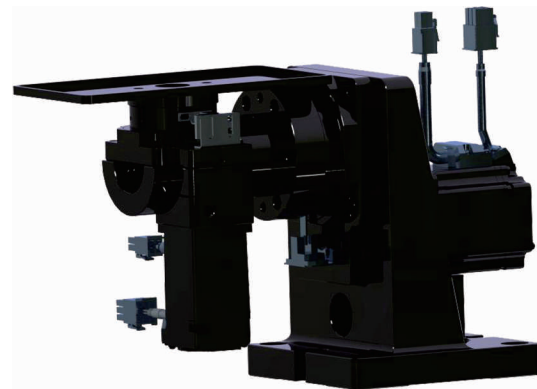


旋轉軸型號代碼 Indication of Model Numbers

*此系列為訂製產品，訂購時請聯繫我們。 *This is a custom series. Please contact us when ordering.

DRS085 - 060 - 100 - SVA-SVB

A軸框號(支架體)	B軸框號(外接旋轉)	旋轉半徑	馬達類型
Axis A	Axis B	Turning Radius	Motor type
060	060	依訂制	ST: 步進馬達
085	085	Customization	Stepping motor
130	130		SV: 交流伺服馬達
200	200		AC servo motor

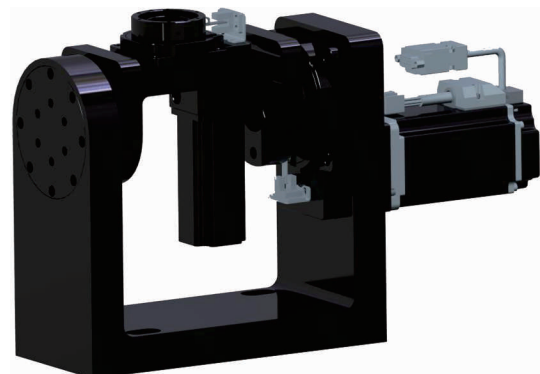


旋轉臺型號代碼 Indication of Model Numbers

*此系列為訂製產品，訂購時請聯繫我們。 *This is a custom series. Please contact us when ordering.

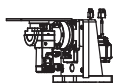
DRT130 - 130 - 200 - SVA-SVB

A軸框號(支架體)	B軸框號(外接旋轉)	中板長度	馬達類型
Axis A	Axis B	Plate Length	Motor type
060	060	依訂制	ST: 步進馬達
085	085	Customization	Stepping motor
130	130		SV: 交流伺服馬達
200	200		AC servo motor



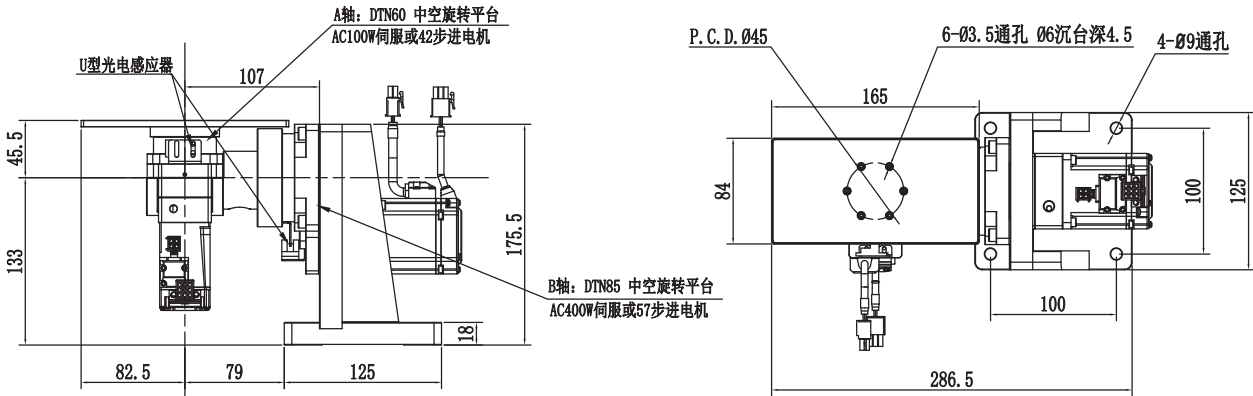
DRS085-060-SV/ST		A軸/A Axis	B軸/B Axis
型號	Model	DTN060-05	DTN085-05
容許轉矩	Max.Torque	5Nm	
容許載重	Max.Load Torque	3Kg*	
旋轉角度	Rotation Angle	360°	± 180°
旋轉精度	Rotation Accuracy	≤ 30"	
重複精度	Repeatability	≤ 10"	
最大旋轉半徑	Turning Radius	82mm(可定製/Customizable)	
旋轉平行度	Parallelism of rotating table	± 0.02mm	
旋轉同心度	Concentricity of rotating table	± 0.02mm	
盤面旋轉振幅	Amplitude of Table Rotation	± 0.005mm	
容許旋轉速度	Max.Speed	200r/min	
保護等級	Degree of Protection	IP40	
馬達配置	Motor	100W Sevor Motor/42 Stepper Motor	400W Sevor Motor/57 Stepper Motor

* 容許載重與訂製旋轉半徑參數有關。Max. load torque refer to the turning radius.
* 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。
* All specifications, dimensions and design characteristics shown in this catalogue are subject to change without notice.



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.

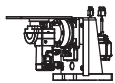


DRS085-085-SV/ST		A軸/A Axis	B軸/B Axis
型號	Model	DTN085-05	DTN085-05
容許轉矩	Max.Torque	20Nm	
容許載重	Max.Load Torque	10Kg*	
旋轉角度	Rotation Angle	360°	± 180°
旋轉精度	Rotation Accuracy	≤30'	
重覆精度	Repeatability	≤10'	
最大旋轉半徑	Turning Radius	86mm(可定製/Customizable)	
旋轉平行度	Parallelism of rotating table	± 0.02mm	
旋轉同心度	Concentricity of rotating table	± 0.02mm	
盤面旋轉振幅	Amplitude of Table Rotation	± 0.005mm	
容許旋轉速度	Max.Speed	200r/min	
保護等級	Degree of Protection	IP40	
馬達配置	Motor	400W Sevor Motor/57 Stepper Motor	400W Sevor Motor/57 Stepper Motor

* 容許載重與訂製旋轉半徑參數有關。Max. load torque refer to the turning radius.

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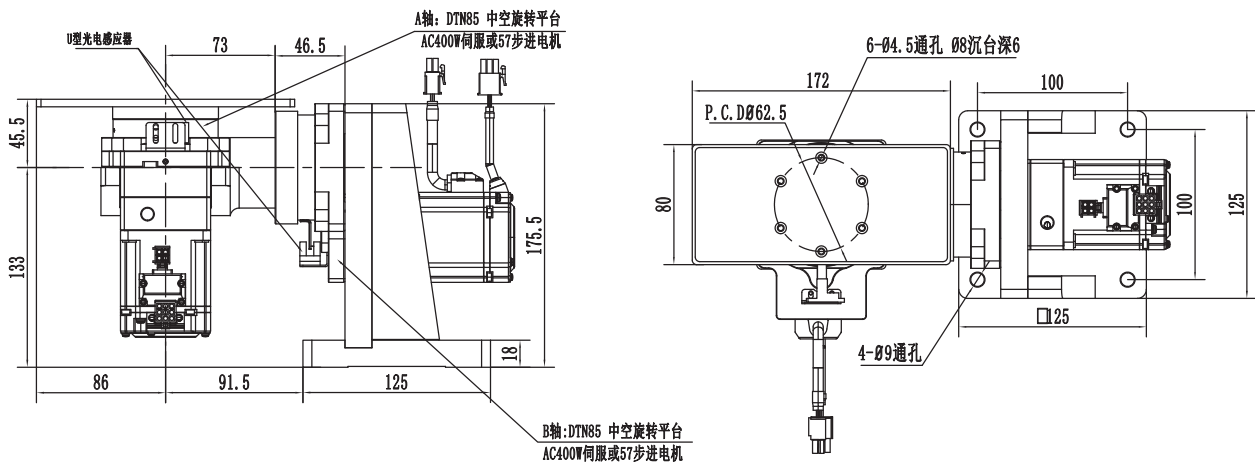
* All specifications, dimensions and design characteristics shown in this catalogue are subject to change without notice.



外形尺寸圖Dimensions

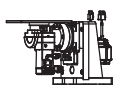
單位mm / All dimensions in mm unless specified.

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



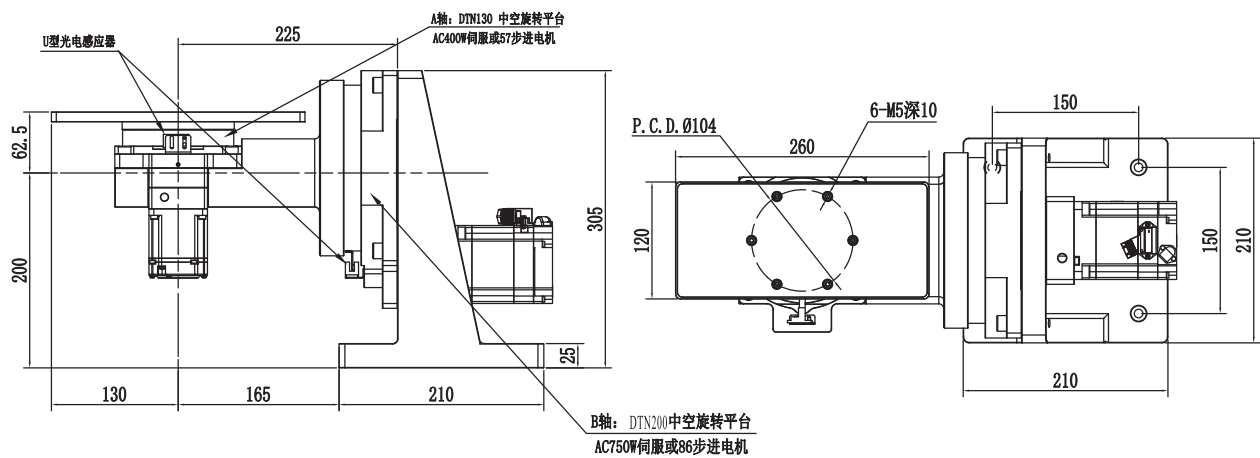
DRS200-130-SV/ST		A軸/A Axis	B軸/B Axis
型號	Model	DTN200-10	DTN130-10
容許轉矩	Max.Torque	120Nm	
容許載重	Max.Load Torque	20Kg*	
旋轉角度	Rotation Angle	360°	± 180°
旋轉精度	Rotation Accuracy	≤ 30'	
重複精度	Repeatability	≤ 10'	
最大旋轉半徑	Turning Radius	130mm(可定製/Customizable)	
旋轉平行度	Parallelism of rotating table	± 0.02mm	
旋轉同心度	Concentricity of rotating table	± 0.02mm	
盤面旋轉振幅	Amplitude of Table Rotation	± 0.005mm	
容許旋轉速度	Max.Speed	200r/min	
保護等級	Degree of Protection	IP40	
馬達配置	Motor	750W Sevor Motor/86 Stepper Motor	400W Sevor Motor/57 Stepper Motor

* 容許載重與訂製旋轉半徑參數有關。Max. load torque refer to the turning radius.
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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.

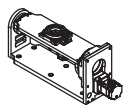


DRT200-130-SV/ST-630		A軸/A Axis	B軸/B Axis
型號	Model	DTN200-10	DTN130-18
容許轉矩	Max.Torque	78Nm	
容許載重	Max.Load Torque	35Kg*	
旋轉角度	Rotation Angle	± 100°	360°
旋轉定位精度	Rotation Positioning Accuracy	≤ 30"	
重複定位精度	Repeatability	≤ 10"	
最大旋轉半徑	Turning Radius	255mm(可定製/Customizable)	
旋轉平行度	Parallelism of rotating table	± 0.015mm	
旋轉同心度	Concentricity of rotating table	± 0.01mm	
容許旋轉速度	Max.Speed	200r/min	
保護等級	Degree of Protection	IP40	
馬達配置	Motor	750W Servo Motor/86 Stepper Motor	400W Servo Motor/57 Stepper Motor

* 容許載重與訂製旋轉半徑參數有關。Max. load torque refer to the turning radius.

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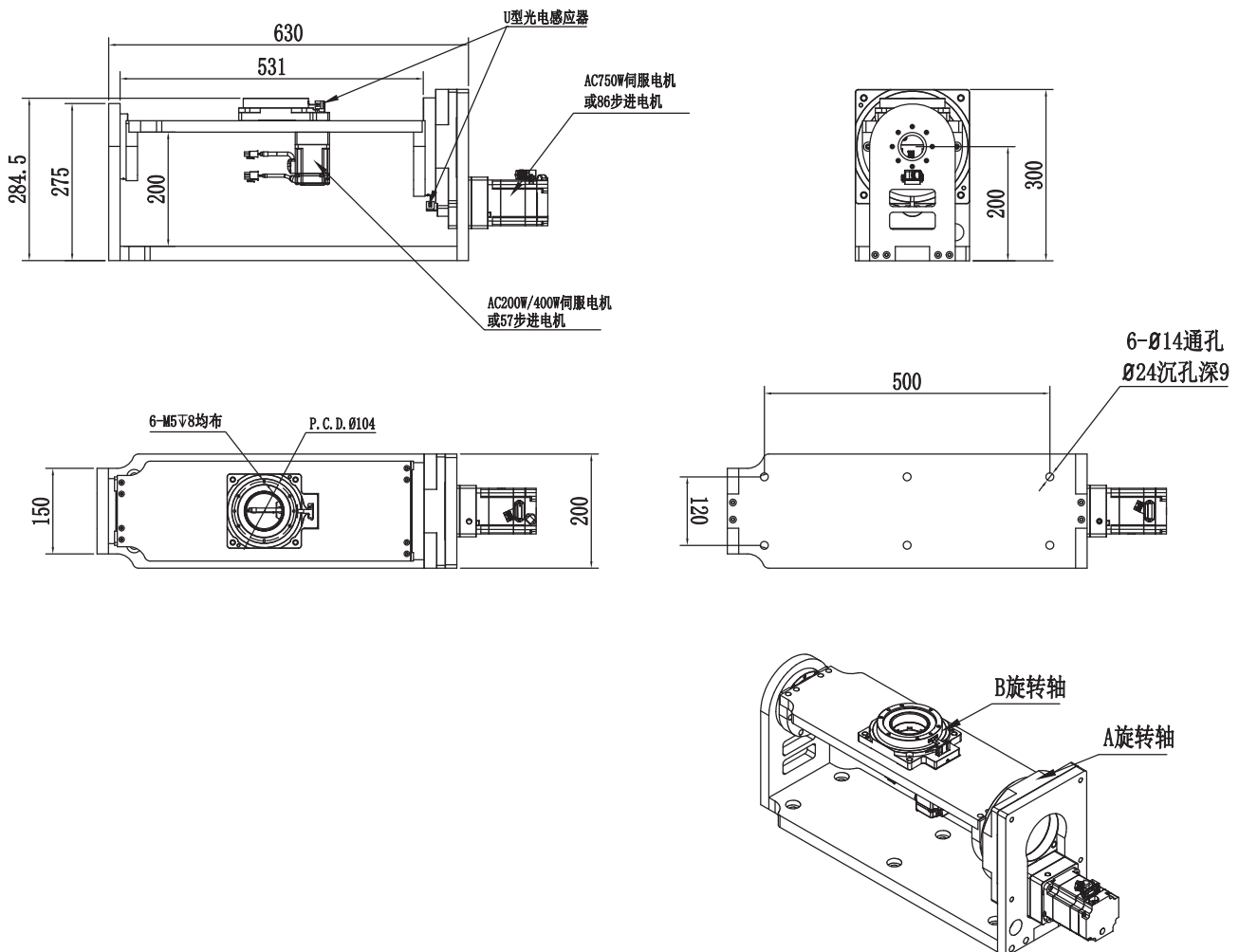
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外形尺寸圖Dimensions

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.



DR Series



低背隙

High Precision

小體積

Little Volume

簡易安裝

Easy to install and operate



轉角器型號代碼 Indication of Model Numbers

DR060 - 02 - S2 - SV

轉角器型號

Model

042

060

090

減速比

Ratio

02

03

05

輸出方式

Output Type

S1-光軸/Shaft

S2-單鍵軸

Shaft with Key

K1-光孔-外配脹緊套

Howlow Shaft

K2-單鍵孔

Hollow with Key

伺服電機型號

Servo Motor

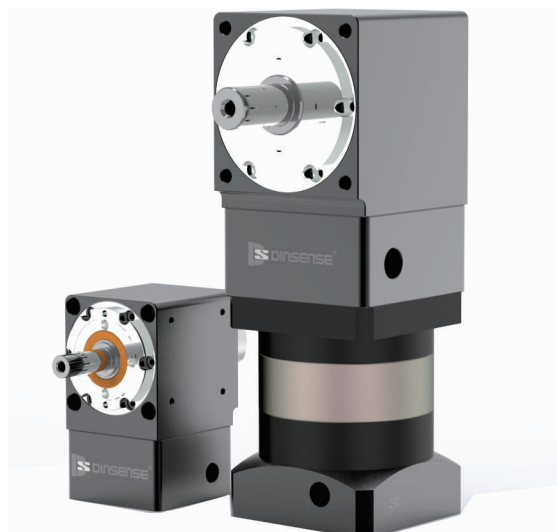


技術參數 Technical Data

項目描述Description		DR042	DR060	DR090
減速比/Ratio		2 / 3 / 5		
容許力矩/Max. Torque	Nm	12	48	95
最大輸入轉速/Max. Input speed	rpm	2500		
回程間隙/Backlash	arcmin	≤1		
工作溫度/Operating Temp	°C	-10°C ~ +90°C		
防護等級/Degree of Protection		IP 65		
安裝方式/Mounting Postion		任意/Any Direction		
使用壽命/Service Life	Hr	20000(連續運轉降低使用壽命50%)		
重量/Weight	Kg	0.45	1.35	4

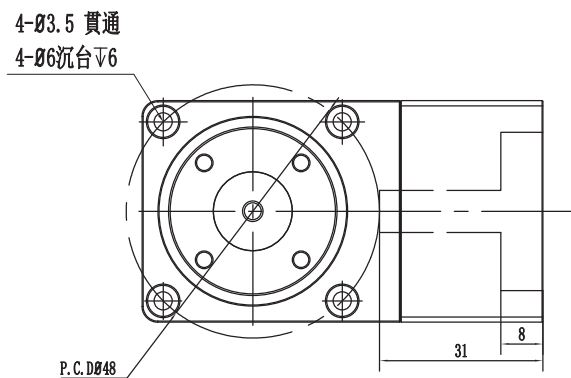
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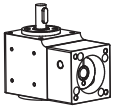
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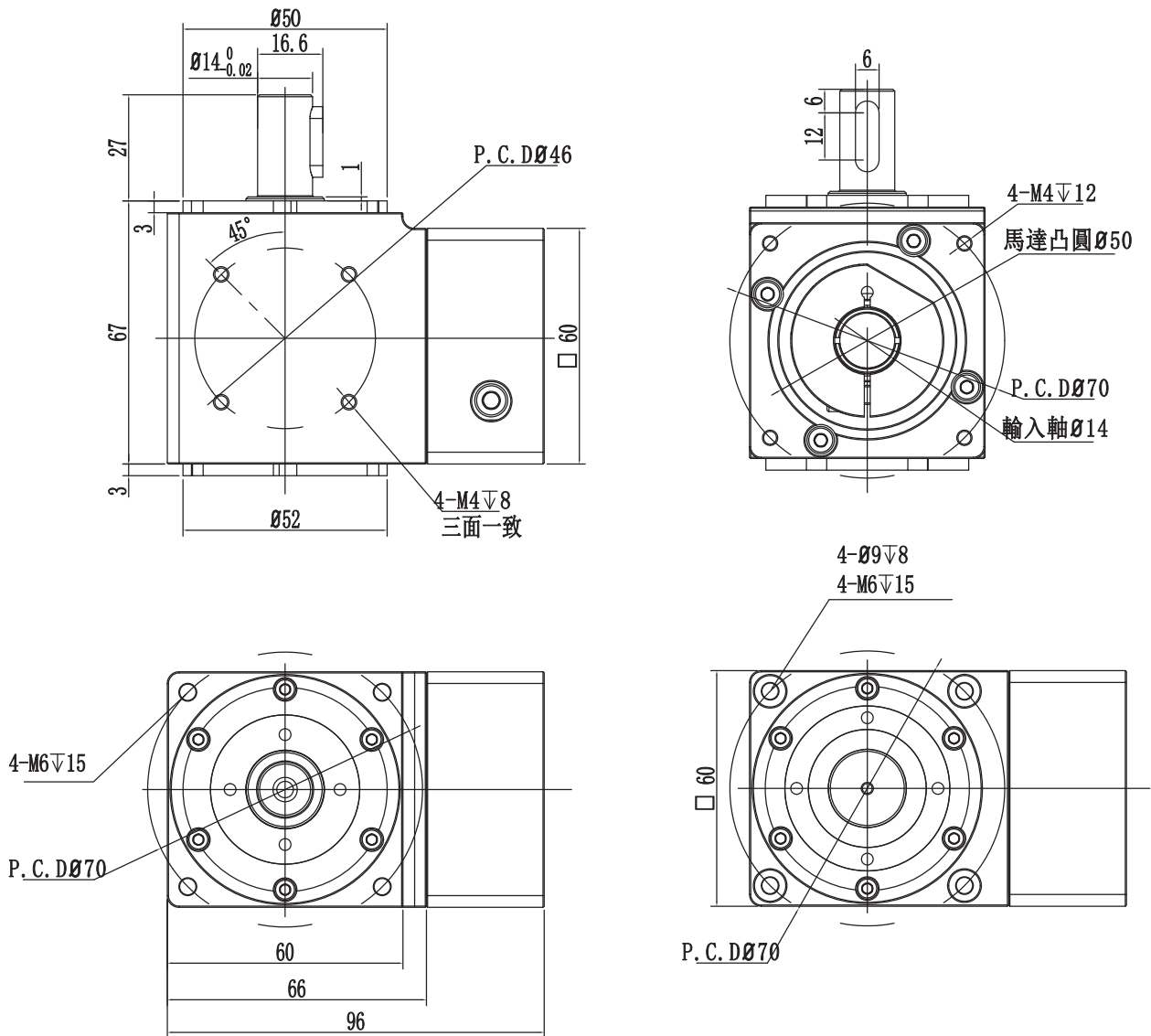


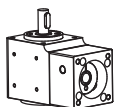


DR060 外形尺寸圖Dimensions

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.

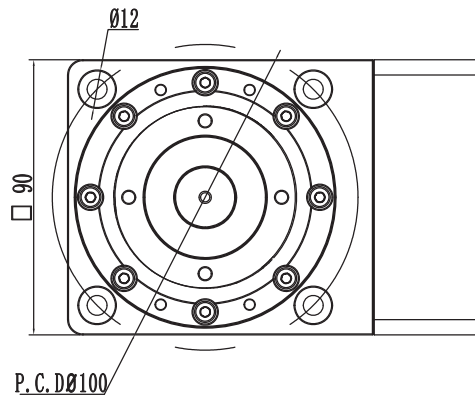
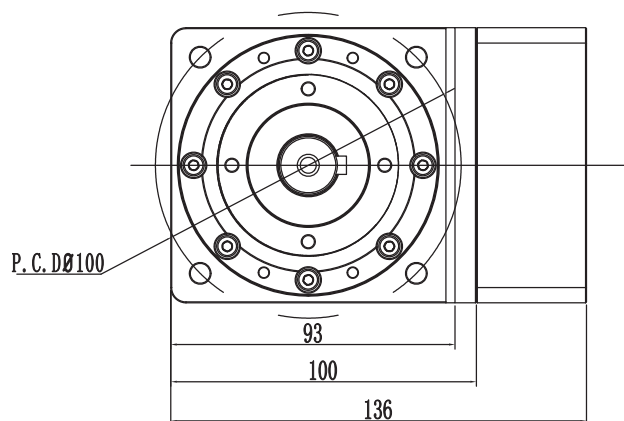
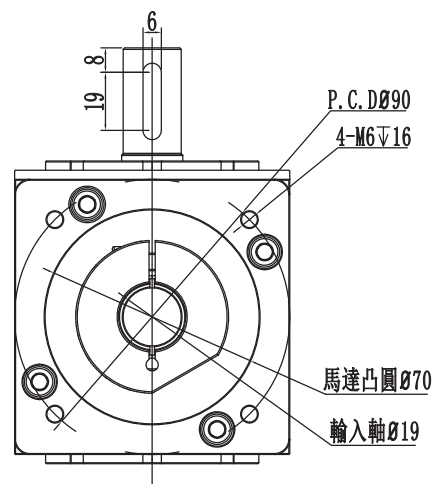
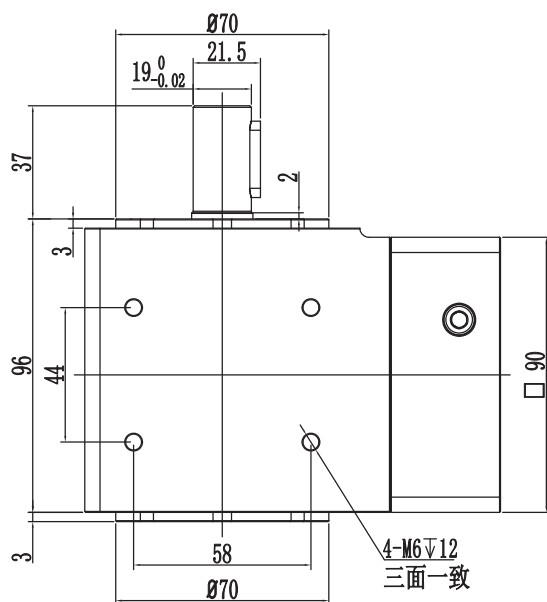




DR090 外形尺寸圖/Dimensions

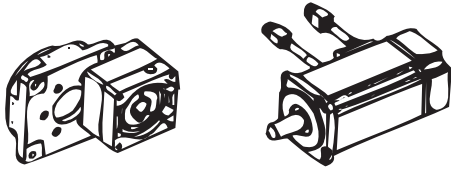
單位mm / All dimensions in mm unless specified.

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



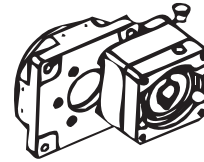
第一步：確認馬達、中空旋轉平臺規格型號是否正確，並將馬達及中空旋轉平臺的安裝面清潔乾淨。

Step 1. Confirm the sepecification of the motor and the hollow rotating table whether they matched or not, then cleane and dry the connection part of the motor and the hollow rotating table.



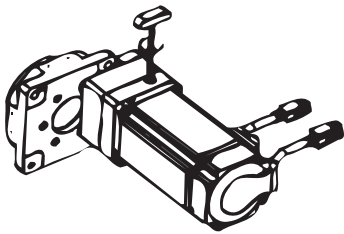
第二步：取下中空旋轉平臺連接法蘭上的扣式塞頭，轉動鎖緊環直到鎖緊環螺絲對準塞頭孔；取下馬達軸上原先的鍵，如有必要，請安裝平衡鍵。

Step2. Remove the key and instore the key if necessary; Remove the cover screw to adjust the position of clamping screw.



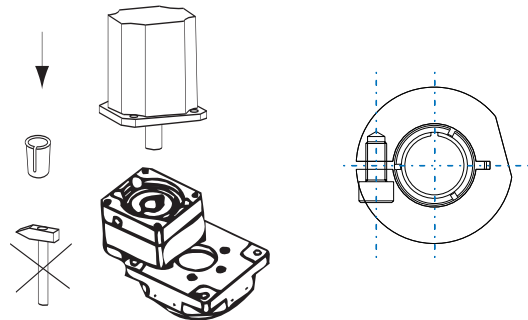
第三步：直立式安裝適配的電機，確認馬達軸心尺寸，若小于輸入孔直徑，選配適當軸套后再直立裝入。

Step3. For easy mounting, put the motor vertically with the shaft pointing upward, then insert the motor shaft into the gearbox inlet Bushing and align the flange mounting holes on the gearbox flange.



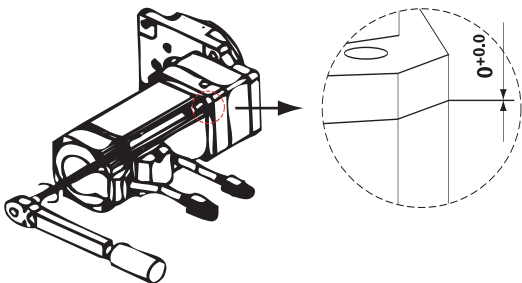
當馬達為平軸狀，對準襯套夾縫在平軸中心線，使鎖緊環螺絲與平軸面呈垂直。

As installing on flatted shaft, be sure to align the collet gap over the flat and the set collar bolt perpendicular to the flat.



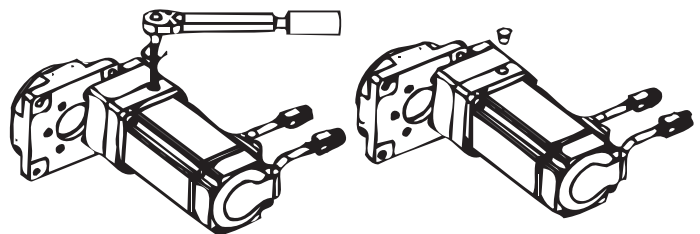
第四步：以鎖緊扭力表建議扭力值的5%，使用扭力扳手對角旋緊定位螺栓（依照對角線順序表逐步將螺絲鎖緊）。

Step4. Tighten screw in diagonal manner not in circle direction, or tighten single crew in one time. And with torque wrench to 5% specified torque.



第五步：參照鎖緊扭力表，使用扭力扳手將鎖緊環鎖緊，將扣式塞頭裝回。

Step5. Refer to the torque specification form as the following table, using torque wrench to tighten the lock Bolt (to noted torque specification) and tighten the rest crews.



與馬達組合鎖緊螺絲扭力建議表
Tightening Torque Recommended for Motor Mounting Bolt

螺絲尺寸 Bolt Size	六角頭尺寸 Width Across Flats	強度8.8螺絲之鎖緊扭力 Strength 8.8 Tightening Torque		強度10.9螺絲之鎖緊扭力 Strength 10.9 Tightening Torque		強度12.9螺絲之鎖緊扭力 Strength 12.9 Tightening Torque	
	mm	N-m	In-lbs	N-m	In-lbs	N-m	In-lbs
M3×0.5P	2.5	1.3	12	1.8	16	2.1	19
M4×0.7P	3	3	27	4.1	37	4.9	44
M5×0.8P	4	6.1	55	8.2	73	9.8	87
M6×1P	5	11	98	14	124	17	151
M8×1.25P	6	25	222	34	302	41	364
M10×1.5P	8	49	434	67	594	80	709
M12×1.75P	10	85	753	116	1028	139	1232

注意：一定要先連接好定位螺栓再旋緊緊力螺絲！
Notice: You must link the located bolt firmly and then screw up the screw!

定位銷孔尺寸/The Dowel Hole Size

型號 Model	銷孔直徑mm Dowel Hole Dia.	銷孔深度mm Dowel Hole Depth	銷孔數量 Dowel Hole Qty.
DTN060	φ 5 ^{+0.012} ₊₀ (H7)	11(貫穿)	2
DTN085	φ 5 ^{+0.012} ₊₀ (H7)	11(貫穿)	2
DTN130	φ 5 ^{+0.012} ₊₀ (H7)	14.5(貫穿)	2
DTN200	φ 6 ^{+0.012} ₊₀ (H7)	15.5(貫穿)	2
DTN280	φ 8 ^{+0.012} ₊₀ (H7)	29.5(貫穿)	2

中空旋轉平臺安裝圖示Installation Instruction

