



**SAFDEX**drives

三福士精密机械有限公司

厂址：上海市嘉定区曹安公路4512号

苏州三福士精密机械有限公司

SUZHOU SAFDEX PRECISION MECHANISM LTD

电话:0512-36689410 传真:0512-36689424

手机:18112665900 QQ:379269347

邮箱：18112665900@163.com

<http://www.safdex.xin>

地址:江苏省苏州市昆山市玉山镇新南中路1738号



SAFDEX drives

高速精密凸轮分割器

Indexing Solutions

2017

**SAFDEX**drives

高速精密凸轮分割器



专业 高速 精密

Professional high speed precision



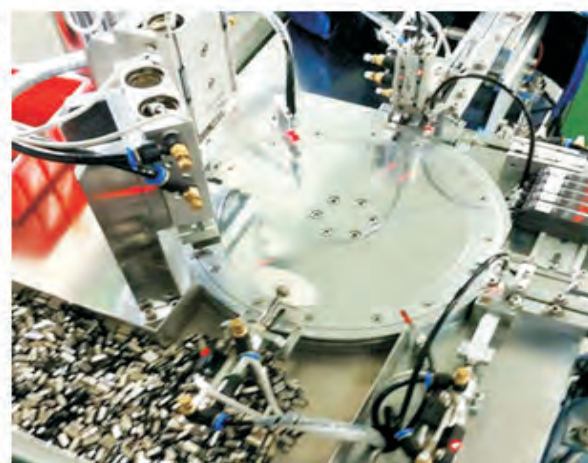
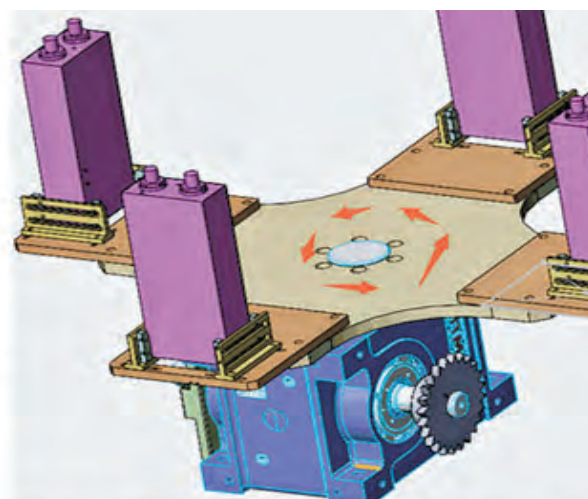


## 公司簡介

### COMPANY PROFILE

本公司擁有完善的管理模式，雄厚的技術力量，先進的工藝要求，專業的加工設備，精密的檢測儀器，熱情周到的服務，是國內首家使用進口加工中心生產高速精密間歇分割器的外商投資企業。產品主要應用於：

- |                   |                    |
|-------------------|--------------------|
| 1、自動組立機、加工機       | 6、藥品機械、封罐封蓋機械、灌裝機械 |
| 2、印刷機、移印機、網印機、燙金機 | 7、輸送機構、衝床自動送料機構    |
| 3、包裝機、真空成型機       | 8、旋轉定位及直線定位間歇機構    |
| 4、自動檢查機、選別機、計數器   | 9、其他各種機械間歇傳動       |
| 5、食品機械、填充機械       |                    |



# 三福士



## 嚴格檢測

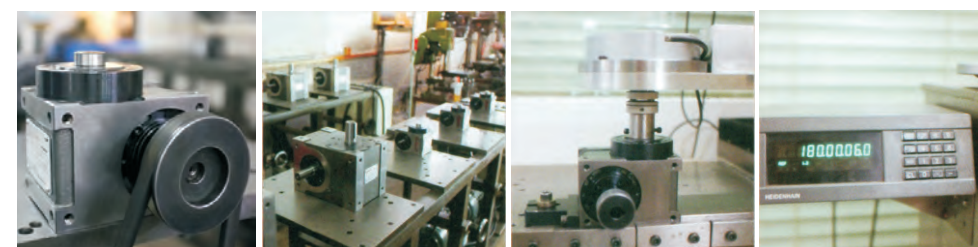
### INSPECTION AND QUALITY ASSUANCE

#### 精密測量

本公司的測量室擁有三坐標測量機、二維測量儀、表面粗糙度儀等精密測量儀器，以確保零部件及成品達到嚴格的公差標準，從而保證產品質量。



#### 品質和檢測



產品出廠前經過試車、精度測量等多項檢測程序，以符合客戶高水平的品質要求。



## 產品性能

### PRODUCT PROPERTIES

#### 獨特的機械性能

##### 1. 簡單的機構

通過凸輪和出力轉塔組成的簡單機構，不需要其他不必要的部件，即能提供種類豐富的所需的任何間歇運動。

##### 2. 正確的轉動裝置機構

在分度或停止的時候，滾子精準固定在設定的位置上，故不需要任何鎖定元件。

##### 3. 平穩運動

由於出力轉塔的設計是在任何位置連續旋轉（無論是角度、速度和加速），因此，傳動裝置轉動平穩，無振動和噪音。

##### 4. 高精度的分度

特殊設計的凸輪滾子式分割器能保持較高的分割精度和高轉矩，并可確保重負載的能力。標準型號的分割精確度為 $\pm 30$ 秒。並可按客戶要求，提供更高的分割精度等級。

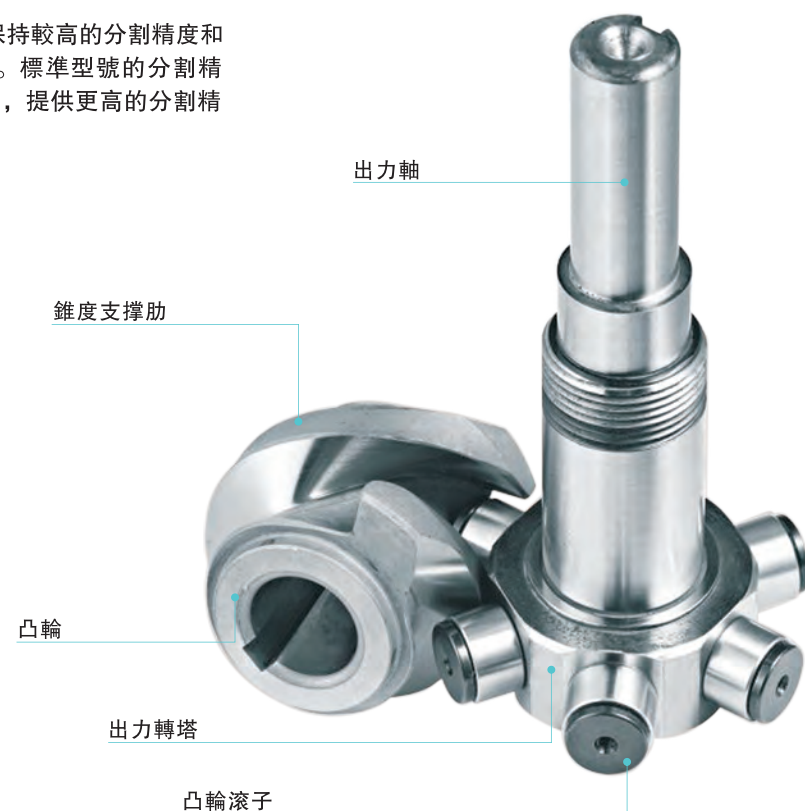
##### 5. 高速性能

在精密加工的凸輪和凸輪滾子的錐度支撐肋上施加預壓負荷，完全避免間隙產生，使運作可靠和高速。完全受控的加速減少了由於負荷或振動所產生的沖擊。

##### 6. 運動曲線

相應於所需的用途，可提供：

- 1 變形臺形曲線
- 2 變形正弦曲線
- 3 變形等速度曲線



# 三福士



## 機構原理

### STRUCTURAL PRINCIPLE

#### 機構原理和結構

分割器結構原理相當簡單。安裝在入力軸中的轉位凸輪與出力轉塔連接（圖1），以徑向嵌入在出力轉塔圓周表面的凸輪滾子，與凸輪的錐度支撐肋在它們相應的斜面作綫性接觸。

當入力軸旋轉時，凸輪滾子按照凸輪上的位移曲綫旋動出力轉塔，而同時又沿肋的斜面滾動。在肋與凸輪的端面平衡的區域里，即在靜態範圍內，滾子接通其軸，但出力轉塔本身並不旋轉。

錐度支撐肋同時與兩個或更多的滾子接觸，因此以便入力軸的旋轉可均勻地傳遞到出力軸。從而產生平滑順暢的間歇運動。

如果錐度支撐肋的凸輪表面和凸輪滾子之間有不滑順情況，分割器會受到損害。通過旋轉支撐入力軸的偏心軸承座，調整入力軸和出力軸之間的距離，便能完全排除不順滑的現象。

通過調整預壓負荷來拉近凸輪滾子和凸輪的彈性區，從而加強分割器的剛性。

#### 術語和定義

##### 1. 轉位凸輪

凹槽切入筒形實心體表面，並固定到入力軸的凸輪。

##### 2. 錐度支撐肋

錐形肋位於錐度支撐肋的圓周上，在凸輪凹槽之間，與凸輪滾子的圓周綫性接觸。

##### 3. 凸輪滾子

精密設計滾針軸承，其設計可承受重負荷和高速轉動。

##### 4. 出力轉塔

附在出力軸上的出力轉塔。由轉位凸輪通過帶動徑向嵌入其中的滾子來轉動。其準確度是保持分割器精度的最關鍵因素。

##### 5. 停動數

出力軸每一旋轉的停動數。

##### 6. 驅動角（凸輪分度角）

當出力軸分度時，入力軸旋轉的角度。這角度越大，間歇運動越平穩。

##### 7. 停止角

當出力軸固定時，入力軸旋轉的角度。這角度和驅動角的總和為 $360^\circ$ 。

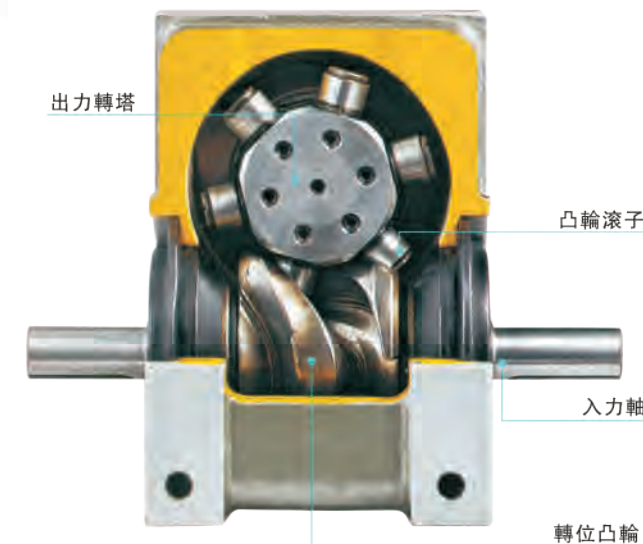


圖1

##### 8. 旋轉數

入力軸每分鐘的旋轉速度。

##### 9. 靜態扭矩

在固定位置下可施加到出力軸上的最大扭矩。如果施加的扭矩大於這個數值，會損壞分割器。

##### 10. 動態扭矩

在分度期間，作用在出力軸上的最大扭矩。

## 機構原理

## STRUCTURAL PRINCIPLE

分割器的運動圖是由無數的曲線連接起點和終點來表示。在設計分度運動時，曲線的使用有必要盡量平穩。為此，應考慮材料的振動、噪音和剛性，同時也應考慮負荷和速度。在考慮了所有因素之后，一般采用強調速度、加速和跳動性能的曲線。加速對於分割精確度和凸輪及凸輪滾子的壽命有重要的影響。

位移曲線表示入力軸位移（旋轉時間、角度等）與出力軸位移之間的關係（圖2），圖中的橫坐標軸表示入力軸的位移  $\theta$ ，縱坐標軸表示停動數為 S 的分割器出力軸的位移。

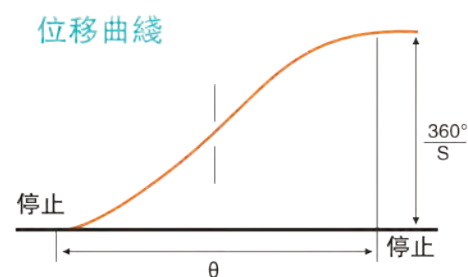


圖2

### 當選擇凸輪曲綫時，有必要考慮下面特性數值：

$V_m$  —————→ 最大速度

$A_m$  —————→ 最大加速

$J_m$  —————→ 最大跳動

如果  $V_m$  較大，在突然停止時會受到較大的力，因此，一般最好是選擇  $V_m$  值比較小的曲綫。特別是如果帶動的負荷較重，更有必要選擇小的  $V_m$ 。 $V_m$  與凸輪的尺寸相對密切。因此，如果曲綫有較小的  $V_m$ ，則凸輪的尺寸也會相應較小。 $V_m$  值是不能大於1的。

如果凸輪曲綫的  $A_m$  較大，最大可允許的負荷會變得較小。因此在高速下轉動，有必要選擇  $A_m$  較小的曲綫，在這種情況下， $A_m$  不能小於4。 $J_m$  值與振動有關，因此最好  $J_m$  值也較小。

## 三福士



## 機構原理

## STRUCTURAL PRINCIPLE

### 分度傳動裝置標準曲綫由下面三種類型組成：

變形臺形曲綫（MT）

適合高速和輕負荷 —————→ 圖3

變形正弦曲綫（MS）

適合中/高速和中度負荷 —————→ 圖4

變形等速度曲綫（MCV50）

適合低速和重負荷 —————→ 圖5

● 如有需要，可提供上述曲綫以外的特殊曲綫。

#### 加速度曲綫 (變形臺形曲綫MT)

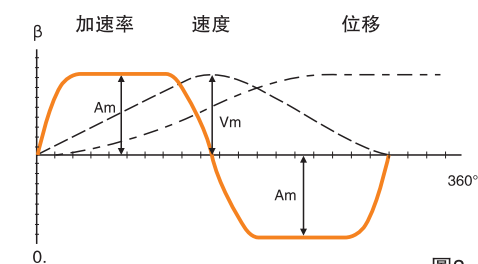


圖3

#### 變形正弦曲綫 (MS)

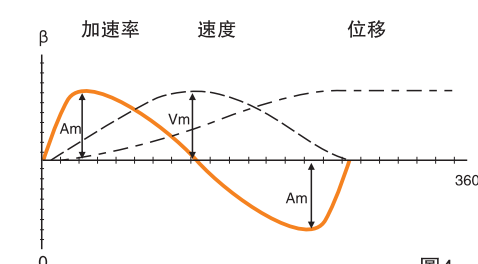


圖4

#### 變形等速度曲綫 (MCV50)

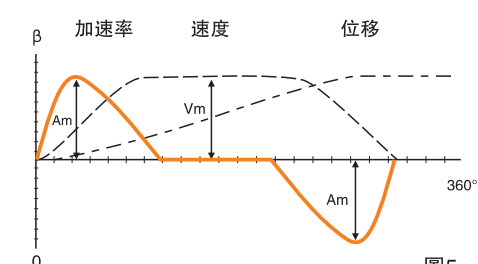


圖5



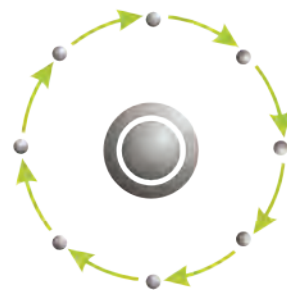
## 運動種類

## TYPES OF MOTION

## 分度傳動機構 / 搖擺傳動機構 / 滾子傳動機構

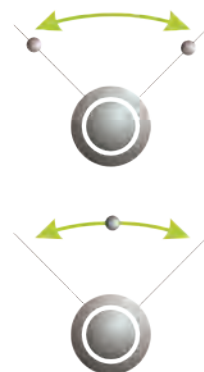
## 分度傳動機構

- 分度傳動機構按下面間歇操作 停止--分度--停止。
- 停止：出力軸停止旋轉，凸輪滾子接觸式凸輪錐度支撐肋的垂直部分。
- 分度：出力軸旋轉、凸輪滾子接觸凸輪錐度支撐肋的曲線部分。
- 一般來說，分度傳動機構在入力軸旋轉一次后停止一下，然后出力軸分度一次。
- 在出力軸旋轉后，分度傳動機構停止。此時，操作者可決定分度產品的位置，并開始加工、裝配和檢驗，作其需要之動作。



## 搖擺傳動機構

- 當搖擺傳動機構運行時，等速旋轉入力軸使出力軸向前和向后旋轉。
- 除向前和向后旋轉以外，旋轉中心點和旋轉角度在某種程度上可設置。
- 由於有兩個凸輪滾子承載一次連續操作的錐度支撐肋，從凸輪和凸輪滾子中產生的副壓力將有助於良好的旋轉和避免后退的問題。
- 當搖擺臂安裝在出力軸上和在搖擺傳動器前面的滾子上面時，此機構可被引導一直向前運動并用作運輸設備。
- 如果搖擺傳動機構設計為間歇分割設備，當分度或停止期間進行旋轉，會增加機器的穩定性和速度。



## 滾子傳動機構

- 滾子傳動機構是低速傳動發動機構的其中一種，提供穩定的旋轉，沒有后退的現象，具有優良的扭矩。
- 由于滾子齒輪式凸輪在旋轉時互相配合，機構能有效運作。
- 除了作為低速傳動機構外，也可以用作在分度轉臺時確定最后位置的機構。



## 三福士



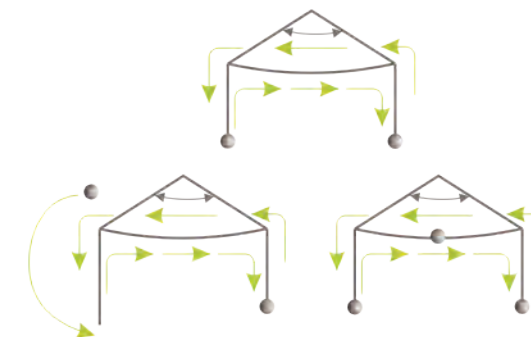
## 運動種類

## TYPES OF MOTION

## 搖擺輸送機構 / 分度輸送機構 / 部件輸送機構

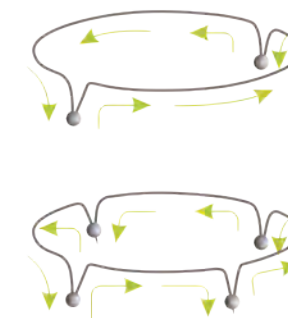
## 搖擺輸送機構

- 當搖擺輸送機構運作時，均等速度的旋轉入力軸使出力軸向前和向后旋轉，并使平面升高。
- 出力軸在擺動時可設定在旋轉行程的中心點上停動，也可依設計需要設定旋轉角度和升降行程。
- 搖擺輸送機構，應用立體對稱凸輪，可提供正確的定時定位。可設置旋轉、升高的配合時間。
- 搖擺輸送機構可進行從輸送帶到工作臺的運輸工作。



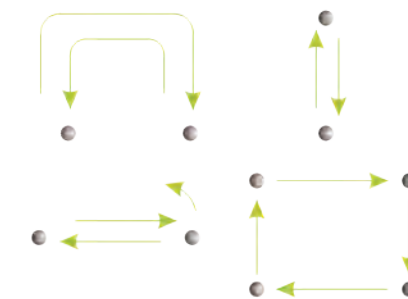
## 分度輸送機構

- 分度輸送機構可以全面間歇地旋轉和升高，操作程序如下：停止--升高--分度--下降--停止
- 出力軸在間歇分度時，可設定在旋轉行程的中心點上停動，也可設定旋轉角度和升高能力。
- 分度輸送機構，應用立體對稱凸輪，可提供正確的定時定位。可設置旋轉、升高的配合時間。
- 分度輸送機構可用作輸送機，可沿著分度的方向移動，在運輸中進行其他操作。



## 部件輸送機構

- 部件輸送機構是適于直線和平面直綫輸送用的機構。
- 由於部件輸送機構有兩套滾子軸承式凸輪，可獨立設置定時，促使平面運作。
- 由於部件輸送機構可同時配合其他設備銜接工作，它把部件搬運到轉臺上的速度可與輸送機的速度一致。



## 型號選擇計算

## MODEL SELECTION AND CALCULATION

## 符號及其代表意義

|                 |                                  |    |                 |      |                            |
|-----------------|----------------------------------|----|-----------------|------|----------------------------|
| a4              | 間隙系數                             | Lf | 壽命系數            | Ti   | 慣性扭矩(kg f.m)               |
| Am              | 無次元最大加速度                         | Lh | 預期壽命(hr)        | Tl   | 出力軸所需的總扭矩(kg f.m)          |
| Amax            | 最大加速度(m.s <sup>-2</sup> )        | M  | 質量(kg)          | Tw   | 工作扭矩(kg f.m)               |
| C               | 最大加速系數(c≥1)                      | N  | 凸輪軸速度(r.p.m)    | Tx   | 凸輪軸摩擦矩(kg f.m)             |
| D               | 旋轉直徑(m)                          | No | 初始凸輪軸速度(r.p.m)  | Ve   | 線性速度(m.s <sup>-1</sup> )   |
| E               | 旋轉器能量(kg f.m.rpm <sup>2</sup> )  | P  | 衝程(m)           | Vm   | 無次元最大速度                    |
| Eo              | 旋轉器能量(kg f.m.rad <sup>2</sup> )  | Pa | 馬達平均功率(kw)      | Vmax | 最大線性速度(m.s <sup>-1</sup> ) |
| Ee              | 直線運動體能量(kg f.m.s <sup>-2</sup> ) | Ps | 最大馬達功率          | W    | 重量(kg)                     |
| F               | 離心力(kg f)                        | Qm | 最大凸輪軸轉矩系數       | α    | 功能角(deg)                   |
| G               | 重量(kg f)                         | R  | 隨動件間距半徑(m)      | θ    | 分度周期(deg)                  |
| GD <sup>2</sup> | 轉動慣量(kg f.m <sup>2</sup> )       | r  | 速度比             | μ    | 摩擦系數型                      |
| g               | 重力加速(m.s <sup>-2</sup> )         | S  | 制動器數目           |      |                            |
| I               | 極性轉動慣量(kg f.m.s <sup>2</sup> )   | Tc | 凸輪軸扭矩(kg f.m)   |      |                            |
| K               | 旋轉半徑(m)                          | Td | 啓動/停動扭矩(kg f.m) |      |                            |
| Ke              | 出力軸等量旋轉半徑(m)                     | Tf | 摩擦扭矩(kg f.m)    |      |                            |

表1 壽命系數Lf和預期壽命 Lh

| 預期壽命<br>(小時) | 壽命系數  | 預期壽命<br>(小時) | 壽命系數 | 預期壽命<br>(小時) | 壽命系數 | 預期壽命<br>(小時) | 壽命系數 |
|--------------|-------|--------------|------|--------------|------|--------------|------|
| 2000         | 0.617 | 10000        | 1.00 | 26000        | 1.33 | 60000        | 1.71 |
| 3000         | 0.697 | 12000        | 1.06 | 28000        | 1.36 | 65000        | 1.75 |
| 4000         | 0.760 | 14000        | 1.11 | 30000        | 1.39 | 70000        | 1.79 |
| 5000         | 0.812 | 16000        | 1.15 | 35000        | 1.46 | 75000        | 1.83 |
| 6000         | 0.858 | 18000        | 1.19 | 40000        | 1.52 | 80000        | 1.87 |
| 7000         | 0.899 | 20000        | 1.23 | 45000        | 1.57 | 90000        | 1.93 |
| 8000         | 0.935 | 22000        | 1.27 | 50000        | 1.62 | 100000       | 2.00 |
| 9000         | 0.969 | 24000        | 1.30 | 55000        | 1.67 |              |      |

表2 運動曲綫技術參數

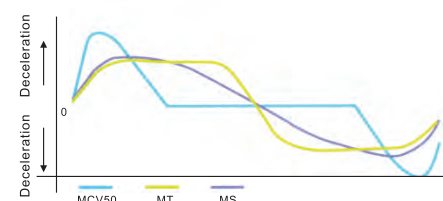
| 運動曲綫 | 變形率<br>形曲綫 (MT) | 變形率<br>形曲綫 (MS) | 變形率<br>形曲綫 (MCV) |
|------|-----------------|-----------------|------------------|
| 代碼   | 1               | 2               | 3                |
| Vm   | 2.00            | 1.76            | 1.28             |
| Am   | +/-4.89         | +/-5.53         | +/-8.01          |
| Qm   | +/-1.655        | +/-0.987        | +/-0.715         |

表3 各種回轉半徑所產生之慣性參考圖

|                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------|
|  |  |  |  |  |  |                           |
| $K^2$                                                                               | $\frac{r_1^2}{2}$                                                                   | $\frac{r_1^2+r_2^2}{2}$                                                             | $\frac{a^2+b^2}{3}$                                                                 | $\frac{r_1^2}{2} + R^2$                                                               | $\frac{r_1^2+r_2^2}{2} + R^2$                                                         | $\frac{a^2+b^2}{3} + R^2$ |

## 加速性能

如右圖繪制的，獨特的分度理論B活動曲綫規凸輪曲綫，具有最低的加速和減速最大值，它顯示了高速應用下耐磨損和抗振動的性能。



## 三福士



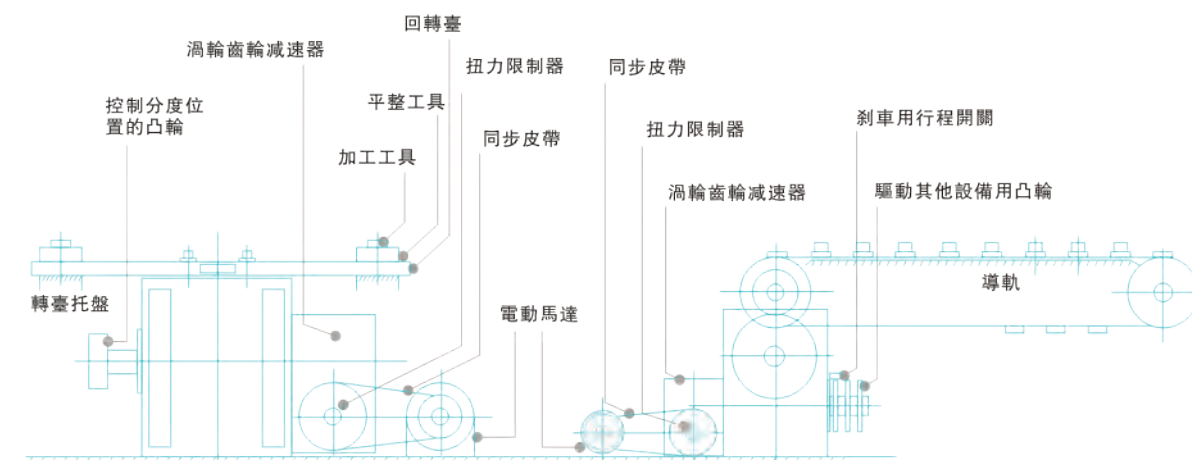
## 使用範例

## SERVICE EXAMPLE

## 基本例子

## 自動裝配襯套機

本機構可以應用於自動組合機，加工機器，金屬加工器械，輸送機步進驅動，FMS相關設備，包裝機，食品機器，分類設備，醫學器械，印刷器械，自動檢測機，擠壓入料裝置，以及其他工業使用的間歇分度機。



## 本機構使用範例



電容器-貫機



電容器自動化和分類機



電阻二極管設備



自動打包機(三件打包、旋轉型)



全自動鉛線焊接及沖壓機



自動燈絲收卷機

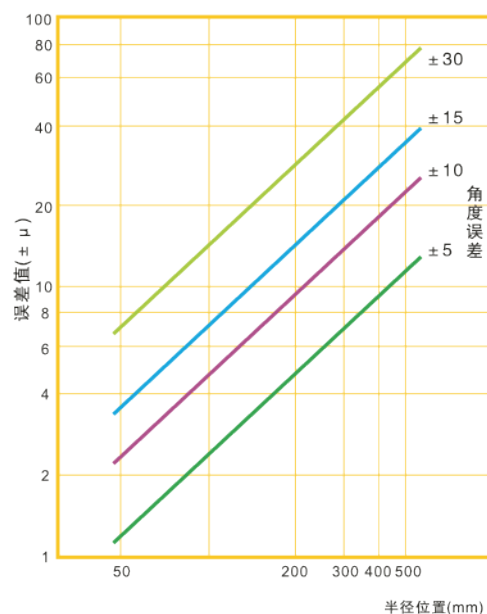


## 數度保持要素

### FEATURE OF KEEPING THE PRECISION

#### 分度精確度

##### 角度誤差和半徑誤差之間的關係



##### 回轉臺尺寸

- 要在出力軸上安裝回轉臺，回轉臺的尺寸要基于扭矩  $T_e$  的允許出力軸扭矩負荷。
- 當要求高精度時，扭矩  $T_e$  應大于允許出力扭矩負荷的 2-3 倍；因此，應減少出力軸的扭轉。
- 回轉臺的最大直徑應小于中心距的 5 倍。(表 6)

##### 分度精確度

- 分割器的分度精確度的標準，對於普通級別保證為 30"，對於精確級別為 15"。請注意，如果回轉臺安裝在出力軸上，位移會影響分度的精確度。
- 當使用回轉臺時，機架半徑的分度誤差應沒有間隙現象。

##### 一般回轉臺的最大直徑(mm)

| 中心距  | 45  | 60  | 70  | 80  | 100 | 110 | 140 | 180 | 250  |
|------|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 最大直徑 | 225 | 300 | 350 | 400 | 500 | 550 | 700 | 900 | 1250 |

##### 移動 ▶

在分度期間，至少有兩個凸輪滾子連續搭配，以便凸輪滾子保持操作。



##### ◀ 停動

當錐度支撐肋的垂直部分搭配兩個滾子時，滾子軸承的位置被確定。然後，滾子軸承被鎖定。

##### ◀ 啓動

在啓動開始分度時，滾子軸承式凸輪使凸輪滾子工作。除此之外，如果凸輪滾子有預壓力，則沒有間隙的問題。

# 三福士



## 潤滑和保養

### LUBRICATION AND MAINTENANCE

#### 潤滑和保養

潤滑對於確保分割器的運行狀態和使用壽命是極為重要的。適當的潤滑可有效地減少內部零件因摩擦而產生的熱量，並同時防止生銹，從而達到減少磨耗的效果。相反，不適當的潤滑可于短時間內使用這些零件出現磨耗。

潤滑油的選擇同樣是很重要的。若適度的潤滑配合不適當的潤滑油亦會對分割器產生不良影響。例如，若使用的潤滑油粘度太低，當運行時溫度上升後，動態粘度會相對降低，會導致傳動面的油膜無法形成，從而使傳動面直接接觸，並因此而造成磨損。因此，適度、適當及配合使用條件的潤滑油措施是非常重要的。

##### 潤滑油更換

分割器內部零件之磨損會對分割器的精度造成不良影響，所以在使用時一定要注意分割器內部是否已加注潤滑油，且油量不可少于分割器體積的 1/3。

第一次更換潤滑油是在裝置工作了 500-1000 小時 (2-4 個月) 後，不管使用條件如何，任何潤滑油都會降低其潤滑效果，所以需要作定期換油保養。

##### 潤滑油的選擇

- ※ 潤滑是保持分割器精度及使用壽命的重要因素。適當的選擇潤滑油尤其重要。選擇潤滑油時，應充分考慮使用條件，如使用環境、速度等。
- ※ 選擇潤滑油時，應選用高品質的齒輪油，並加入適當的液壓添加劑，可使油膜強度增加，防蝕、防銹，同時提高油質的安全性，對潤滑效果的提升有很大幫助。
- ※ 潤滑油的添加劑由各種化學復合物組成，其含量因生產廠家不同而異。因此，避免混合使用不同廠家生產的潤滑油，即使用途相同。
- ※ 潤滑油的粘度因使用轉速和裝置大小的不同而有所差異。請根據下列的指引適當地選擇。
- ※ 潤滑油的粘度也會因使用環境的溫度而產生變化，分割器的標準使用溫度為 0-40℃；下列之表格列出于此溫度範圍內應使用的潤滑油粘度。若超出此標準使用時請與我們聯系。

##### 注意事項

##### A 潤滑油更換周期

- 第一次為運轉 500-1000 小時後 (約 2-4 個月)
- 次後每隔 3000 小時 (6 個月至一年)

##### B 更換潤滑油時，請先確定潤滑油清淨，並將注油孔擦拭干淨，避免水分及雜質進入。

##### C 溫度升高使油箱內部壓力增高，可能造成機油外泄，但仍需定期清理注油孔螺絲通氣及檢視油管，補充潤滑油，不可忽略。



## 潤滑和保養

## LUBRICATION AND MAINTENANCE

## 潤滑和保養

潤滑油粘度 表4

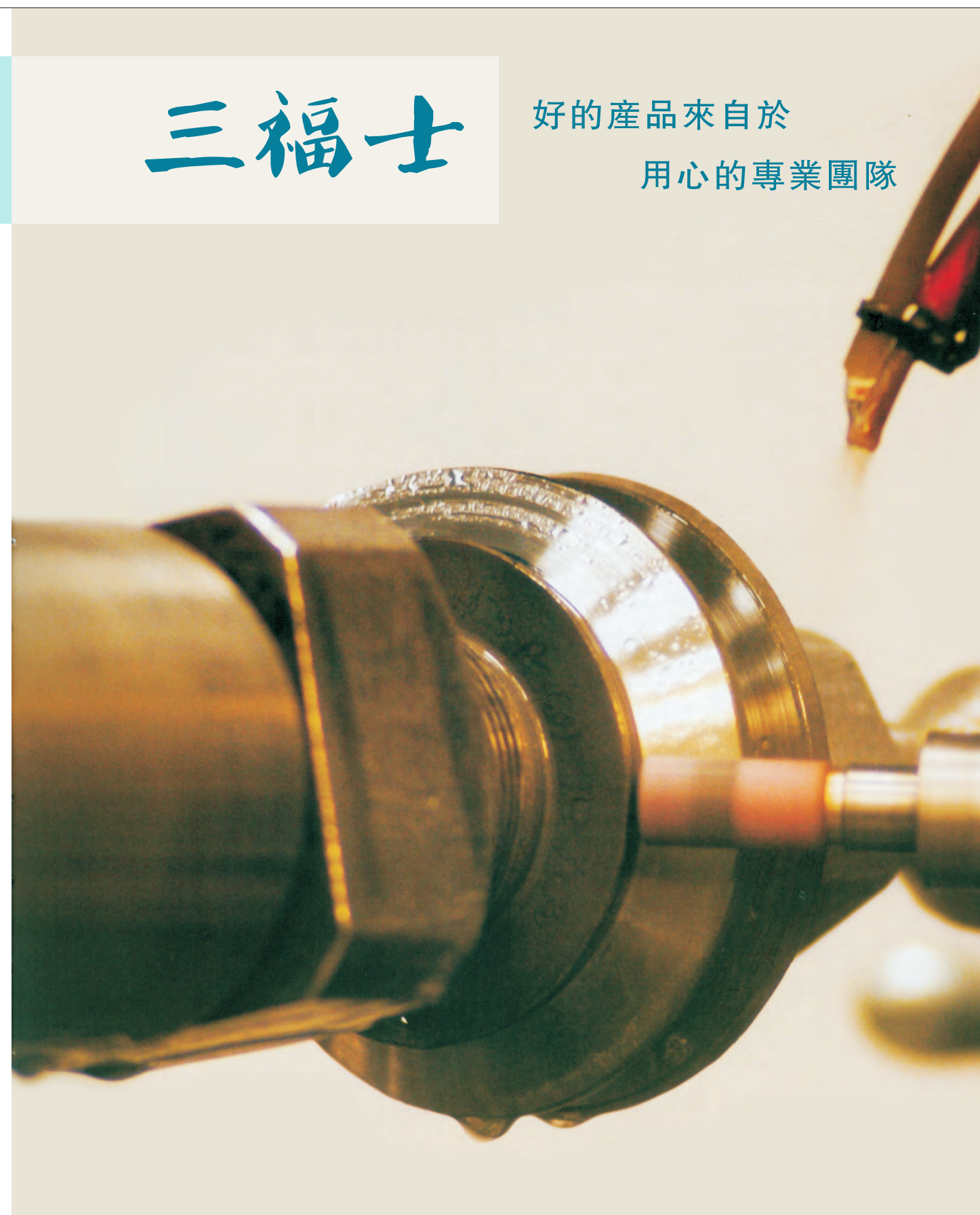
| 入力軸轉度 (rpm)  | 0~20  | 20~100  | 100~200 | 200~300 | 300~400 | > 400  |
|--------------|-------|---------|---------|---------|---------|--------|
| 粘度 (cSt/40℃) | > 680 | 680~460 | 460~320 | 320~220 | 220~150 | 150~68 |

※ 若入力軸轉速不穩定時，請以最高回轉數 (Nmax) 和使用最低回轉數 (Nmin) 之幾何平均數  $\sqrt{N_{\max} \times N_{\min}}$  或以最長時間使用之轉速來決定潤滑油之粘度。

※ 當入力軸轉速之相應粘度在兩種粘度範圍之間，請使用較高粘度的油品。

推薦使用的潤滑油 表5

| 粘度<br>(cSt/40℃) | 供應商          |                     |                |
|-----------------|--------------|---------------------|----------------|
|                 | 加德士 (Caltex) | 殼牌 (Shell)          | 美孚 (Mobil)     |
| > 600           | Meropa680    | Shell Omala Oil 680 | Mobil Gear 636 |
| 680~460         | Meropa460    | Shell Omala Oil 460 | Mobil Gear 633 |
| 460~320         | Meropa320    | Shell Omala Oil 320 | Mobil Gear 632 |
| 320~220         | Meropa220    | Shell Omala Oil 220 | Mobil Gear 630 |
| 220~150         | Meropa150    | Shell Omala Oil 150 | Mobil Gear 629 |
| 150~68          | Meropa68     | Shell Omala Oil 68  | Mobil Gear 626 |



品質優異 精益求精



## 型號代碼

## MODEL CODE

機種選購指定代號排列標示方法：



|           |           |                                                                                 |
|-----------|-----------|---------------------------------------------------------------------------------|
| A 機種      | RU 滾子凸輪   |                                                                                 |
| B 規格      | 80 80mm   | 出力軸與入力軸之軸間的中心距離                                                                 |
| C 型式      | DF type   | DS 心軸型 DF 凸緣型<br>DT 平臺桌面型 DA 超薄平臺桌面型                                            |
| D1 分割等(s) | 08 8 stop | 定位分割等份 2.3.4.5.6.8.10.12.16<br>訂制規格 20.24.30.32.36.40.48                        |
| D2 驅動角(°) | 120 120°  | 入力凸輪驅動出力軸分割之角度<br>90°/120° 150°/180° 210°/240°<br>270°/300° 310°/330° 330°/360° |



|          |       |                                         |                                                                                                                             |
|----------|-------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| E 凸輪運動曲線 | MS 曲線 | 1, 2, 3<br>曲線有下列三種可選用。<br>2表示第二種變形正弦曲線。 | 1 變形臺形曲線<br>MT (Modified Trapezoid)<br>2 變形正弦曲線<br>MS (Modified Sine)<br>3 變形等速度曲線<br>MCV50 (Modified Constant Velocity 50) |
|----------|-------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|

|          |   |                                                                                                                                      |                |
|----------|---|--------------------------------------------------------------------------------------------------------------------------------------|----------------|
| F 凸輪旋轉方向 | R | 入力軸可正逆雙向旋轉，如果入力軸無固定旋轉的要求，只需要變換馬達之旋轉方向，即可改變出力軸旋轉。標準生產規格為R旋轉，R2-R4為入力軸一旋轉，出力軸多次(2-4)次間歇分割等份，一般用於16-60等份，R為入力軸旋轉，出力軸一次間歇分割等份，多用於2-12等份。 | 右旋向凸輪<br>左旋向凸輪 |
|----------|---|--------------------------------------------------------------------------------------------------------------------------------------|----------------|

## 可選擇的機種規格

- H.中空型凸緣型出力軸(適用規格45D-250D)
- 中空型出力軸通常是連接電源線及空壓風管，訂購時需述說指定孔徑的尺寸及作用。
- 若無指定，則出力軸是實心的。

## 如何訂購

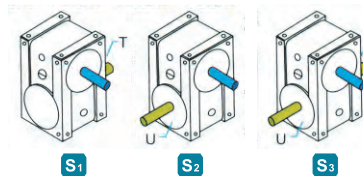
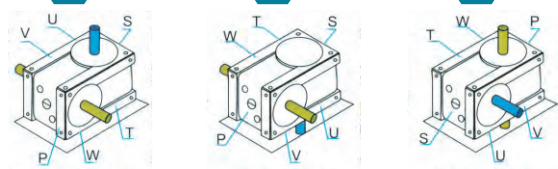
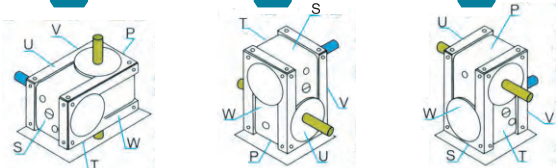
- 本體安裝螺絲孔面V.W.P.S.T.U六面，客戶可依需要指定固定面之位置。
- 機種號碼表示入力凸輪及出力軸及螺絲孔安裝位置。
- 訂購時，一定要在訂單附上所需要的機種型號。不論是右旋凸輪或是在左旋凸輪都有一定的選擇標準，同樣的，三種型式的運動曲線(MT, MS, MCV50)也有選購標準。

## 三福士



## 使用代碼

## MODEL CODE

| G 入力軸組立方向                                                                                                         |                                                                                                                                        |                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <div>S<sub>3</sub></div> <p>T面和U面两端</p>                                                                           | <div>S<sub>1</sub></div> 只有T面<br><div>S<sub>2</sub></div> 只有U面<br><div>S<sub>3</sub></div> T面及U面皆有                                     | <div>S<sub>1</sub> S<sub>2</sub> S<sub>3</sub></div>  |
| H 本體安裝螺絲孔面                                                                                                        |                                                                                                                                        |                                                                                                                                          |
| <div>VW</div> <p>主殼及本體安裝螺絲孔在V面和W面都有固定孔，此外，P、S、T、U也可以選擇使用</p>                                                      |                                                                                                                                        |                                                                                                                                          |
| I 安裝位置                                                                                                            |                                                                                                                                        |                                                                                                                                          |
| <div>1</div> <p>安裝位置如右圖所示</p>                                                                                     | <div>1 2 3</div>  <div>GL (W) GL (V) GL (U)</div>  |                                                                                                                                          |
|                                                                                                                   | <div>4 5 6</div>  <div>GL (T) GL (P) GL (S)</div> |                                                                                                                                          |
| J 特殊規格說明                                                                                                          |                                                                                                                                        |                                                                                                                                          |
| <div>X</div> <p>訂購時外部特殊之指定要求<br/><input type="checkbox"/> 標準(不加符號) <input checked="" type="checkbox"/> 特別指定注明</p> |                                                                                                                                        |                                                                                                                                          |

DF 凸緣型



DS 心軸型



DFH 中空凸緣型



PU 平板型



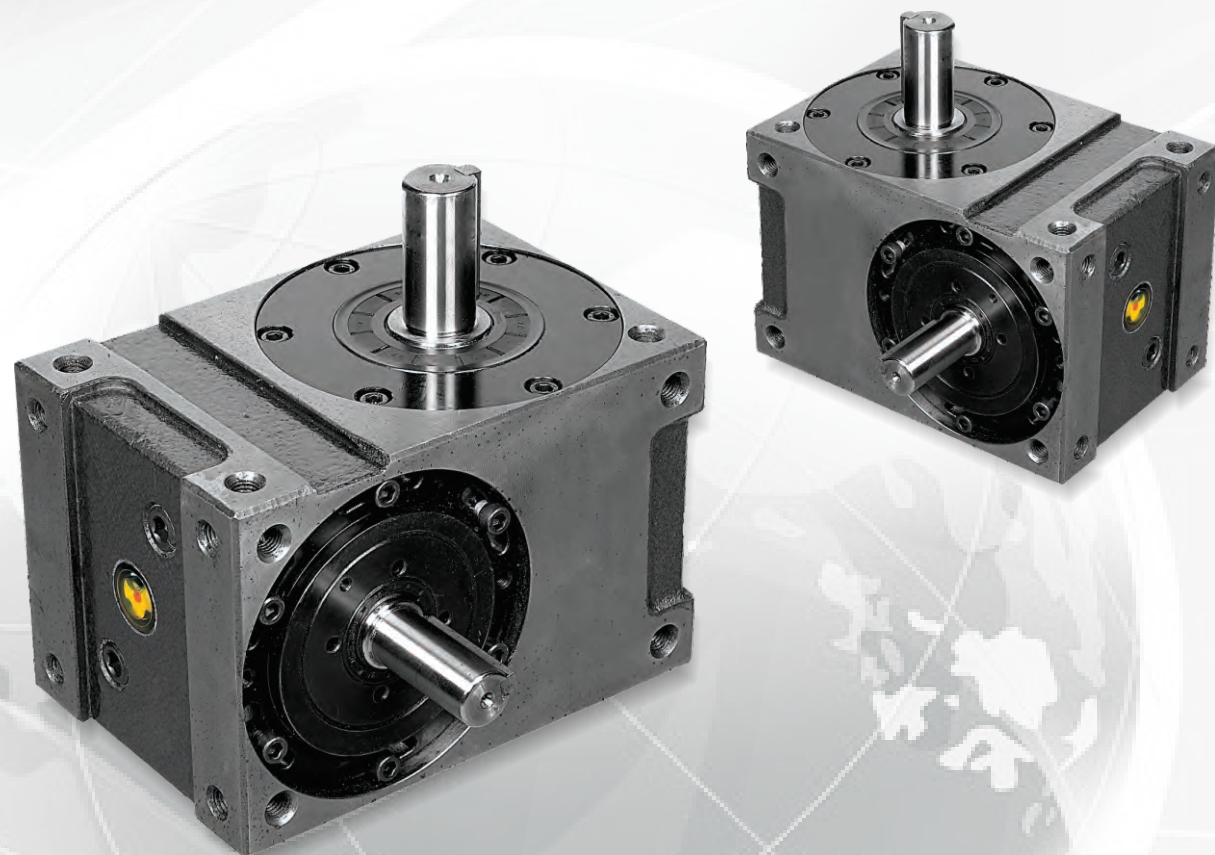
DT 平臺桌面型



DA 超薄平臺桌面型







## DS 心軸型

25DS / 32DS / 38DS / 45DS / 60DS / 70DS / 80DS  
83DS / 100DS / 110DS / 140DS / 180DS

### 產品特點

此系列機種為典型傳統式心軸造型，其安裝配件之加工安裝配合齒輪、聯軸器或聯軸盤，需特別注意孔徑公差（+0.015/-0），其使用場合在輸送帶驅動、齒輪驅動、無間隙聯軸器結合驅動居多。

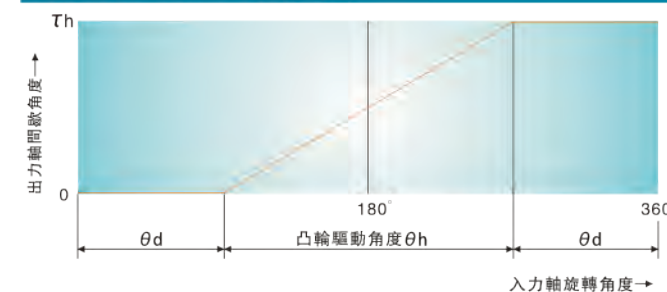
## 入力軸驅動角度、出力軸分割等份標準規格表

| 機種   | DS,DF型 |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |
|------|--------|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| 分割等份 | 2      | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 16 | 20 | 24 | 30 | 32 | 36 | 40 | 48 |
| 規格   | 25D    | ○ | ○ | ○ | ○ | ○ | ○  | ○  | ○  |    |    |    |    |    |    |    |
|      | 32D    | ○ | ○ | ○ | ○ | ○ | ○  | ○  |    |    |    |    |    |    |    |    |
|      | 38D    | ○ | ○ | ○ | ○ | ○ | ○  | ○  |    |    |    |    |    |    |    |    |
|      | 45D    | ○ | ○ | ○ | ○ | ○ | ○  | ○  | ※  | ※  | ※  | ●  | ☆  | ●  | ☆  | ☆  |
|      | 60D    | ○ | ○ | ○ | ○ | ○ | ○  | ○  | ※  | ※  | ※  | ●  | ☆  | ●  | ☆  | ☆  |
|      | 70D    | ○ | ○ | ○ | ○ | ○ | ○  | ○  | ※  | ※  | ※  | ●  | ☆  | ●  | ☆  | ☆  |
|      | 80D    | ○ | ○ | ○ | ○ | ○ | ○  | ○  | ○  | ※  | ※  | ※  | ※  | ※  | ☆  | ●  |
|      | 83D    | ○ | ○ | ○ | ○ | ○ | ○  | ○  | ○  | ※  | ※  | ※  | ※  | ※  | ☆  | ●  |
|      | 100D   | ○ | ○ | ○ | ○ | ○ | ○  | ○  | ○  | ※  | ※  | ※  | ※  | ※  | ☆  | ●  |
|      | 110D   | ○ | ○ | ○ | ○ | ○ | ○  | ○  | ○  | ※  | ※  | ※  | ※  | ※  | ☆  | ●  |
|      | 140D   | ○ | ○ | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ※  | ●  |
|      | 180D   | ○ | ○ | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ※  | ●  |
|      | 250D   | ○ | ○ | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ※  | ●  |

| 機種   | DT,DA型 |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |
|------|--------|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|
| 分割等份 | 4      | 5 | 6 | 8 | 10 | 12 | 15 | 16 | 20 | 24 | 30 | 32 | 40 | 48 | 60 | 72 |
| 規格   | 70D    | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ※  | ☆  | ●  | ☆  |    |
|      | 80D    | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ※  | ☆  | ●  | ☆  |    |
|      | 90D    | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ※  | ☆  | ●  | ☆  |    |
|      | 110D   | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ※  | ☆  | ●  | ☆  |    |
|      | 140D   | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ※  | ☆  | ●  | ☆  | ☆  |
|      | 150D   | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ※  | ☆  | ●  | ☆  | ☆  |
|      | 180D   | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ●  | ●  | ●  |
|      | 190D   | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ●  | ●  | ●  |
|      | 210D   | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ●  | ●  | ●  |
|      | 230D   | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ●  | ●  | ●  |
|      | 250D   | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ●  | ●  | ●  |
|      | 330D   | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ●  | ●  | ●  |
|      | 350D   | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ●  | ●  | ●  |
|      | 438D   | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ●  | ●  | ●  |
|      | 450D   | ○ | ○ | ○ | ○  | ○  | ○  | ○  | ○  | ○  | ※  | ※  | ※  | ●  | ●  | ●  |

○ 1 DWELL ※ 2 DWELL ● 3 DWELL ☆ 4 DWELL

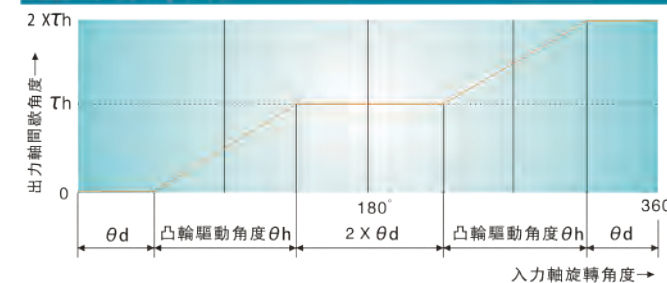
### 2, 3, 4, 5, 6, 8, 12分割等份



$$\text{出力軸回轉角度 } Th = \frac{360^\circ}{\text{分割等份}}$$

$$\text{凸輪停留部份角度 } \theta_d = \frac{360^\circ - \theta_h}{2}$$

### 16 - 48分割等份

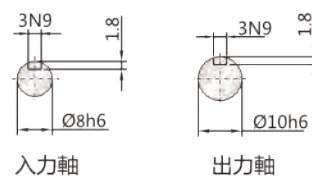
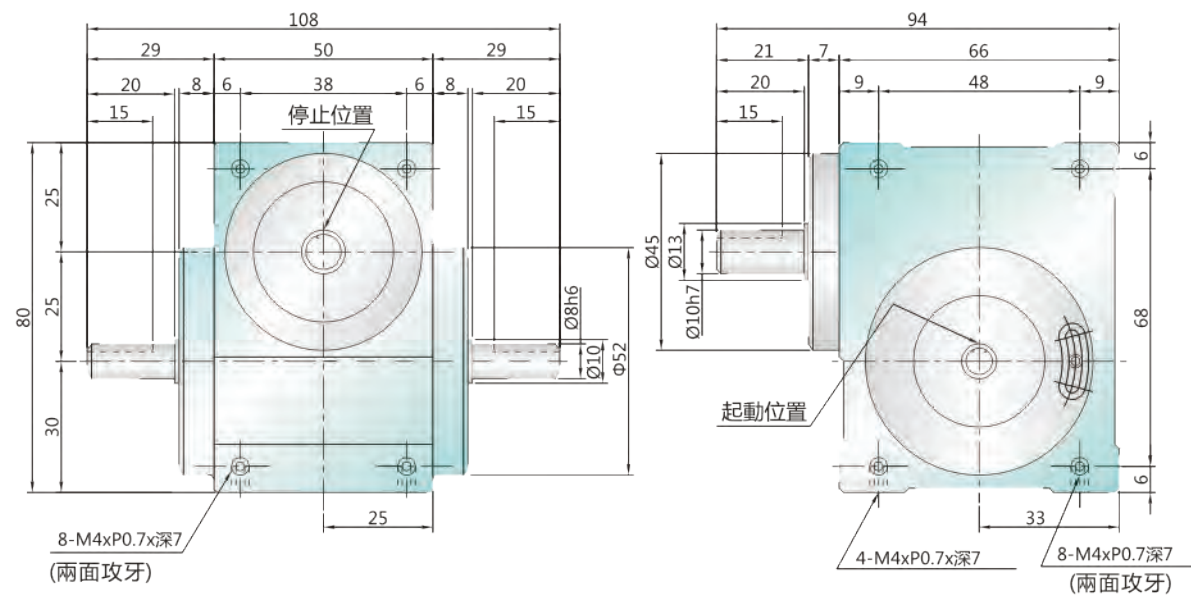


$$\text{出力軸回轉角度 } Th = \frac{360^\circ}{\text{分割等份}}$$

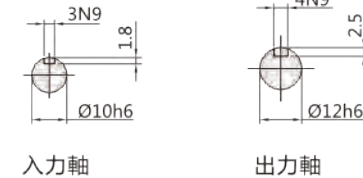
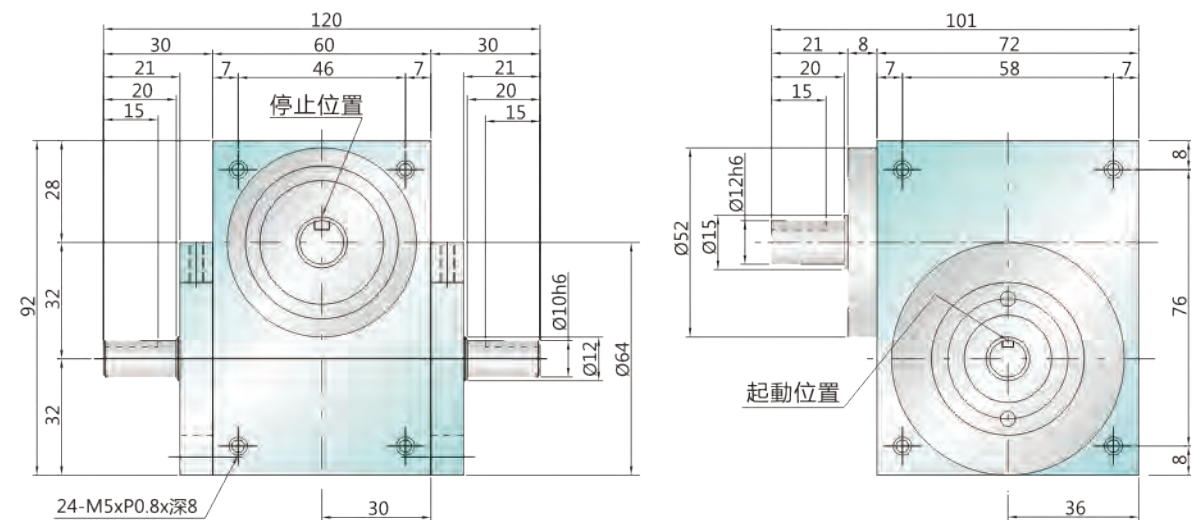
$$\text{凸輪停留部份角度 } \theta_d = \frac{360^\circ - (2X\theta_h)}{4}$$



心軸型 25DS



32DS 心軸型



25DS

| 項目                       | 符號 | 單位                 | 數值                     |
|--------------------------|----|--------------------|------------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 15                     |
| 出力軸容許軸向負荷                | C2 | kgf                | 20                     |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                  |
| 入力軸容許徑向負荷                | C3 | kgf                | 15                     |
| 入力軸最大彎曲力矩                | C4 | kgf                | 20                     |
| 入力軸最大扭矩                  | C5 | kgf-m              | 2                      |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 9.6 × 10 <sup>-5</sup> |
| 定位分割精度                   |    | sec.               | ± 90                   |
| 重量                       |    | kg                 | 1.0                    |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

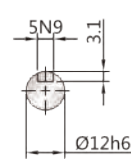
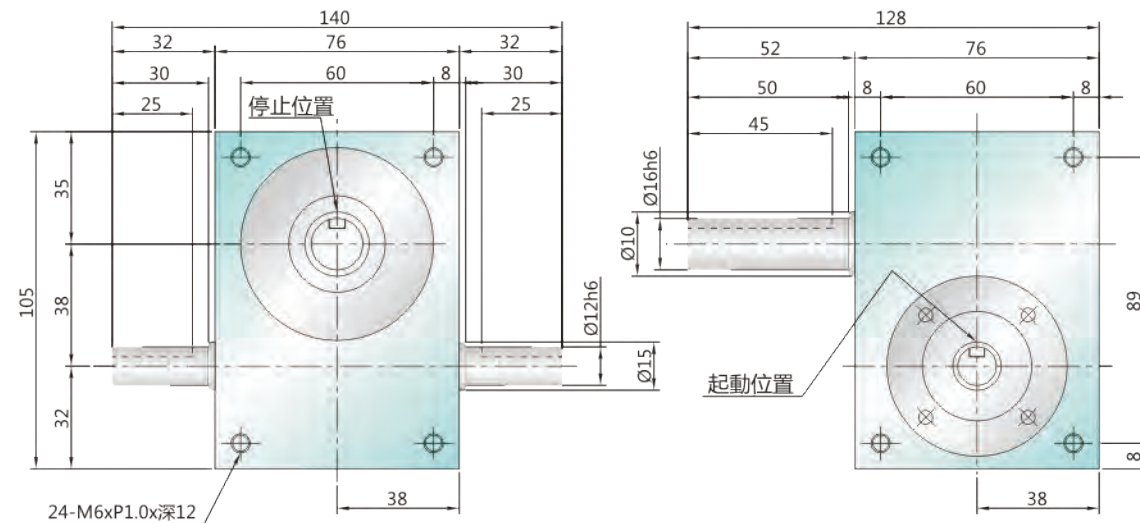
32DS

| 項目                       | 符號 | 單位                 | 數值                   |
|--------------------------|----|--------------------|----------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 20                   |
| 出力軸容許軸向負荷                | C2 | kgf                | 30                   |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                |
| 入力軸容許徑向負荷                | C3 | kgf                | 18                   |
| 入力軸最大彎曲力矩                | C4 | kgf                | 20                   |
| 入力軸最大扭矩                  | C5 | kgf-m              | 3                    |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 3 × 10 <sup>-5</sup> |
| 定位分割精度                   |    | sec.               | ± 90                 |
| 重量                       |    | kg                 | 1.4                  |

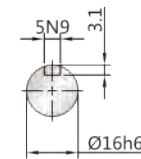
(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。





入力軸



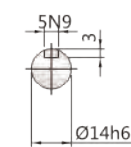
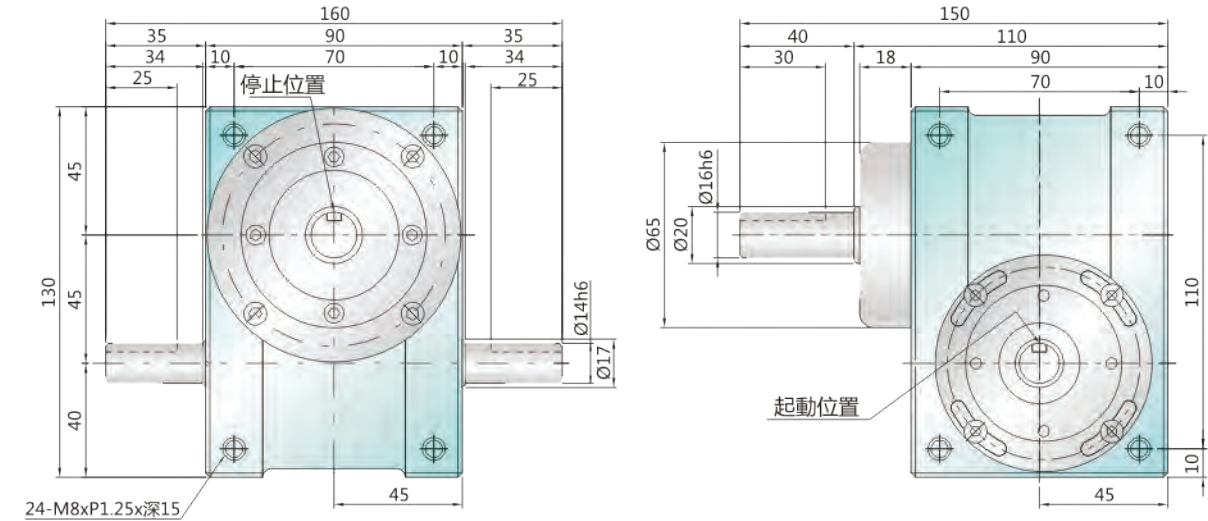
出力軸

| 項目                       | 符號 | 單位                 | 數值                   |
|--------------------------|----|--------------------|----------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 40                   |
| 出力軸容許軸向負荷                | C2 | kgf                | 45                   |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                |
| 入力軸容許徑向負荷                | C3 | kgf                | 35                   |
| 入力軸最大彎曲力矩                | C4 | kgf                | 35                   |
| 入力軸最大扭矩                  | C5 | kgf-m              | 2.5                  |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | $6.6 \times 10^{-4}$ |
| 定位分割精度                   |    | sec.               | ± 72                 |
| 重量                       |    | kg                 | 4                    |

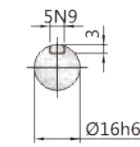
(註1)  
入力軸のGD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到  
安全係數=2時的數  
值。

38DS



入力軸



出力軸

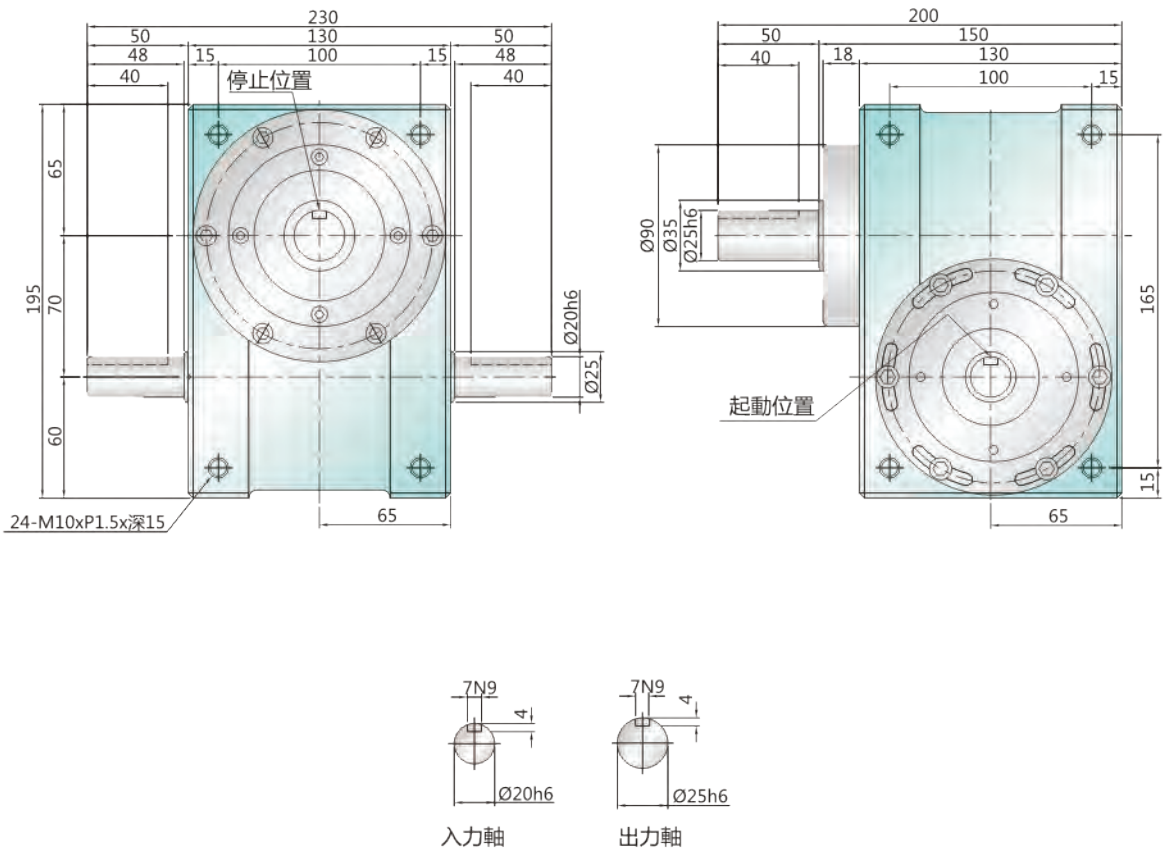
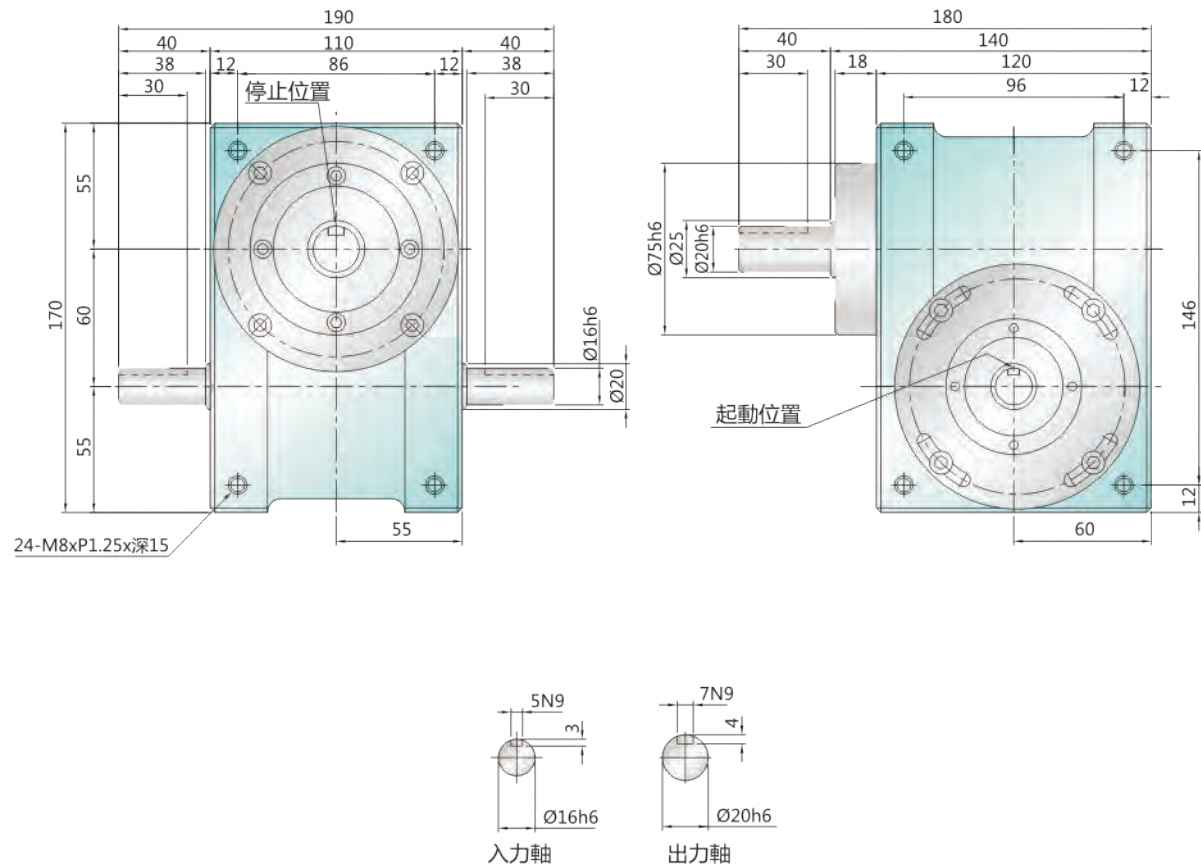
| 項目                       | 符號 | 單位                 | 數值                   |
|--------------------------|----|--------------------|----------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 80                   |
| 出力軸容許軸向負荷                | C2 | kgf                | 72.5                 |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                |
| 入力軸容許徑向負荷                | C3 | kgf                | 85                   |
| 入力軸最大彎曲力矩                | C4 | kgf                | 75                   |
| 入力軸最大扭矩                  | C5 | kgf-m              | 4                    |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | $3.2 \times 10^{-4}$ |
| 定位分割精度                   |    | sec.               | ± 60                 |
| 重量                       |    | kg                 | 7                    |

(註1)  
輸入軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到  
安全係數=2時的數  
值。

45DS





60DS

| 項目                       | 符號 | 單位                 | 數值                     |
|--------------------------|----|--------------------|------------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 180                    |
| 出力軸容許軸向負荷                | C2 | kgf                | 150                    |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                  |
| 入力軸容許徑向負荷                | C3 | kgf                | 100                    |
| 入力軸最大彎曲力矩                | C4 | kgf                | 95                     |
| 入力軸最大扭矩                  | C5 | kgf-m              | 6                      |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 1.9 × 10 <sup>-3</sup> |
| 定位分割精度                   |    | sec.               | ± 45                   |
| 重量                       |    | kg                 | 13                     |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

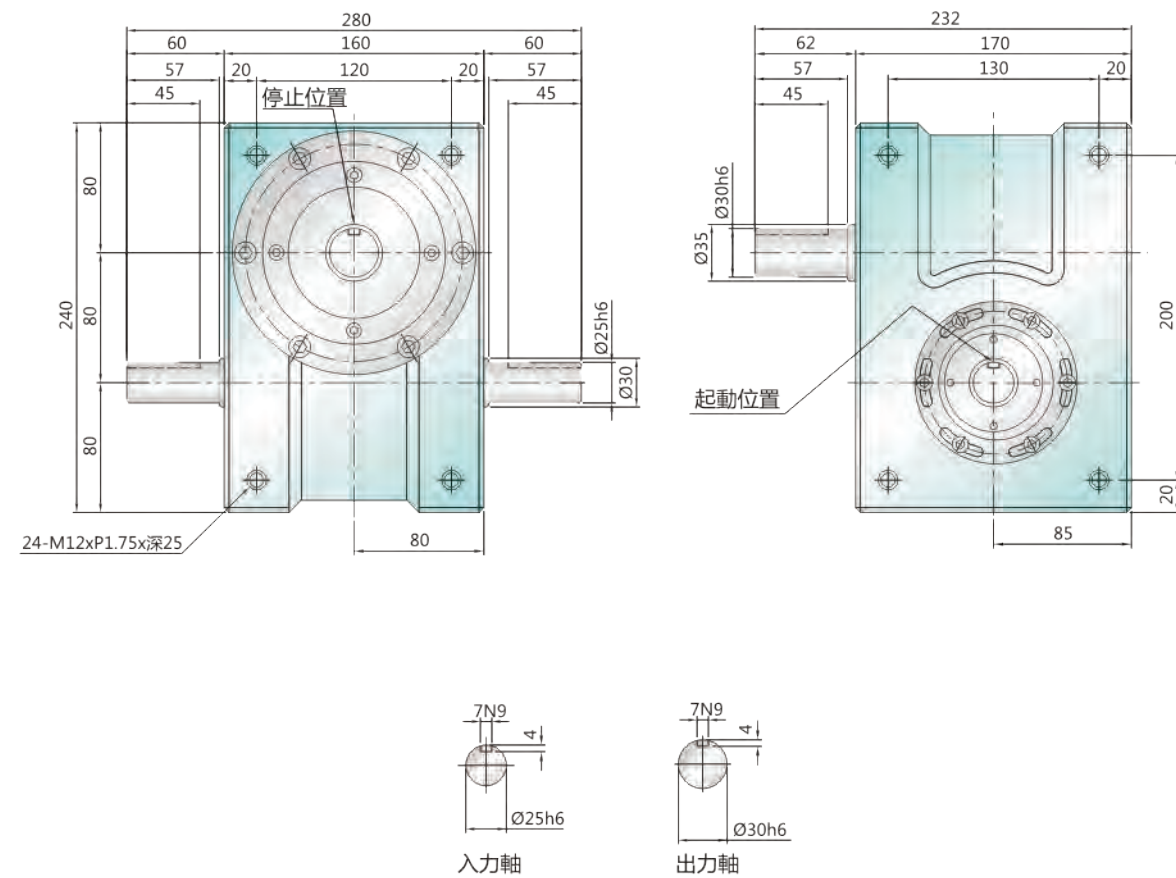
(註2)  
C1~C5數值是達到安全系數=2時的數值。

70DS

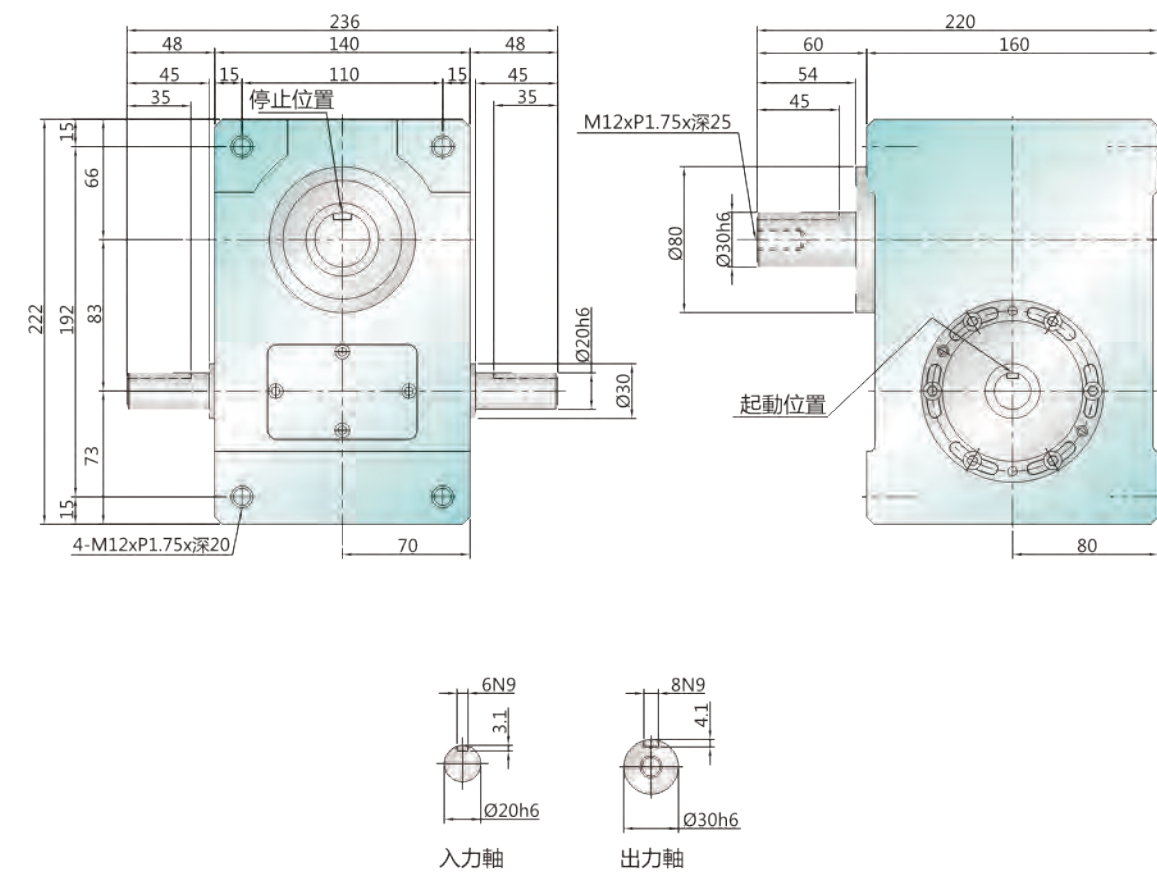
| 項目                       | 符號 | 單位                 | 數值                   |
|--------------------------|----|--------------------|----------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 220                  |
| 出力軸容許軸向負荷                | C2 | kgf                | 220                  |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                |
| 入力軸容許徑向負荷                | C3 | kgf                | 150                  |
| 入力軸最大彎曲力矩                | C4 | kgf                | 110                  |
| 入力軸最大扭矩                  | C5 | kgf-m              | 9.5                  |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 6 × 10 <sup>-3</sup> |
| 定位分割精度                   |    | sec.               | ± 30                 |
| 重量                       |    | kg                 | 18                   |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。



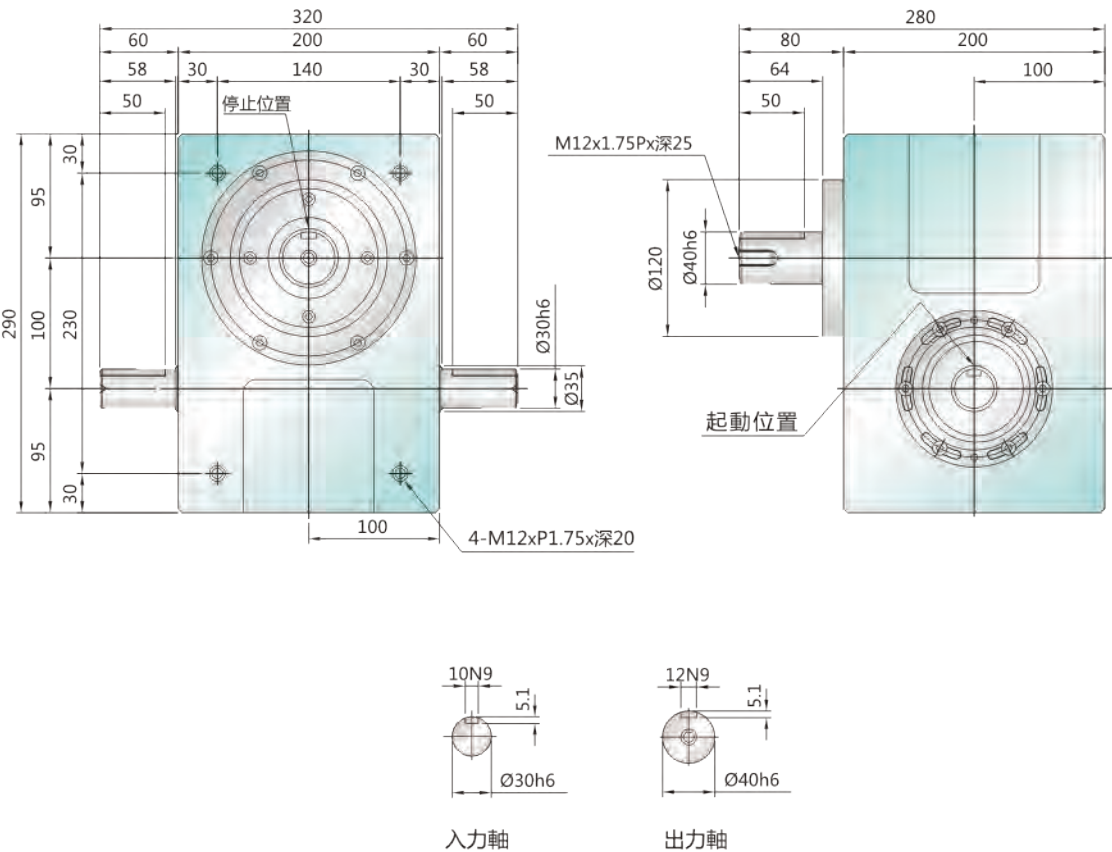
| 項目                       | 符號 | 單位                 | 數值                 |                                 |
|--------------------------|----|--------------------|--------------------|---------------------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 220                |                                 |
| 出力軸容許軸向負荷                | C2 | kgf                | 220                |                                 |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表              | (註1)                            |
| 入力軸容許徑向負荷                | C3 | kgf                | 210                | 入力軸的GD <sup>2</sup> 是在停留範圍內的數值。 |
| 入力軸最大彎曲力矩                | C4 | kgf                | 190                |                                 |
| 入力軸最大扭矩                  | C5 | kgf-m              | 18.5               | (註2)                            |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | $9 \times 10^{-3}$ | C1~C5數值是達到安全係數=2時的數值。           |
| 定位分割精度                   |    | sec.               | ± 30               |                                 |
| 重量                       |    | kg                 | 32                 |                                 |



| 項目                       | 符號 | 單位                 | 數值                 | (註1)<br>入力軸のGD <sup>2</sup> 是在停留範圍內的數值。<br><br>(註2)<br>C1~C5數值是達到安全係數=2時的數值。 |
|--------------------------|----|--------------------|--------------------|------------------------------------------------------------------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 330                |                                                                              |
| 出力軸容許軸向負荷                | C2 | kgf                | 420                |                                                                              |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表              |                                                                              |
| 入力軸容許徑向負荷                | C3 | kgf                | 350                |                                                                              |
| 入力軸最大彎曲力矩                | C4 | kgf                | 260                |                                                                              |
| 入力軸最大扭矩                  | C5 | kgf-m              | 25                 |                                                                              |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | $9 \times 10^{-3}$ |                                                                              |
| 定位分割精度                   |    | sec.               | ± 30               |                                                                              |
| 重量                       |    | kg                 | 26.5               |                                                                              |



心軸型 100DS



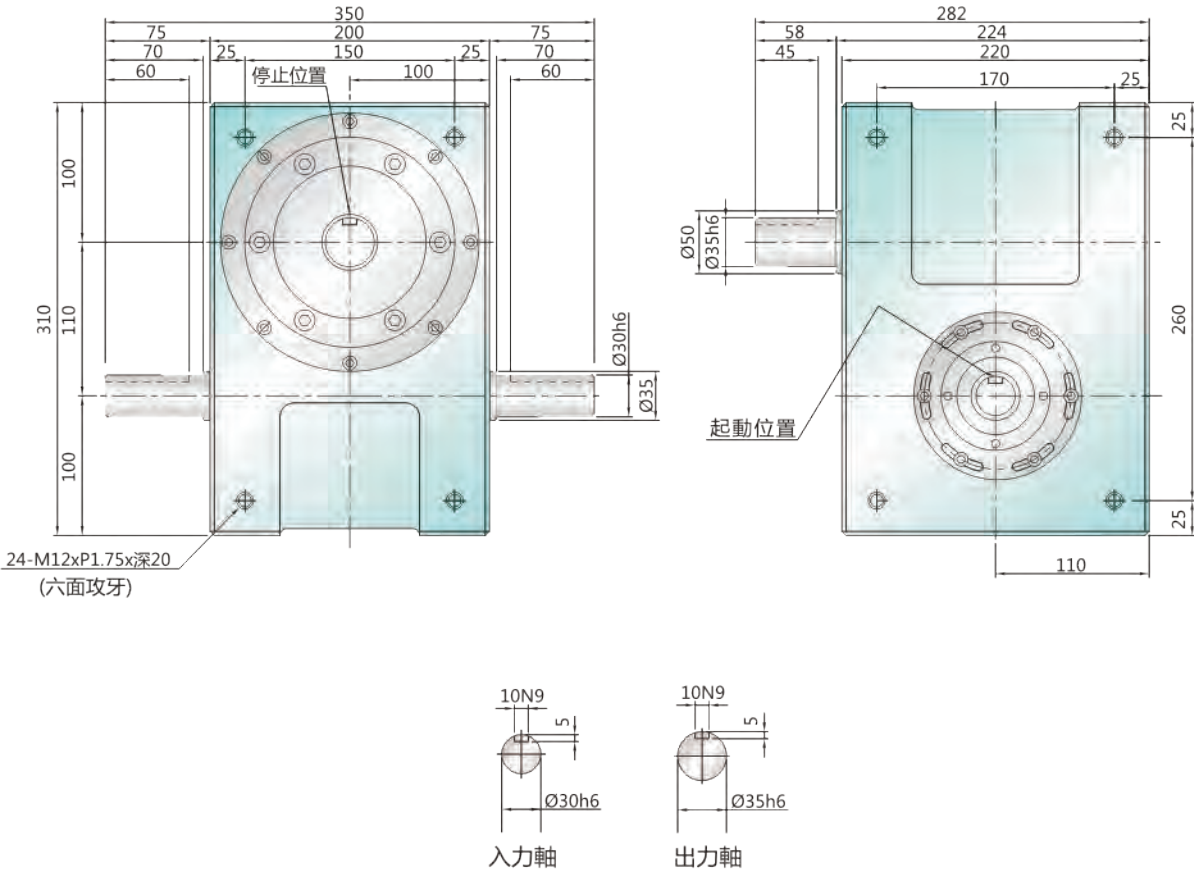
100DS

| 項目                       | 符號 | 單位                 | 數值                   |
|--------------------------|----|--------------------|----------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 400                  |
| 出力軸容許軸向負荷                | C2 | kgf                | 450                  |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                |
| 入力軸容許徑向負荷                | C3 | kgf                | 300                  |
| 入力軸最大彎曲力矩                | C4 | kgf                | 220                  |
| 入力軸最大扭矩                  | C5 | kgf-m              | 26                   |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 4 × 10 <sup>-3</sup> |
| 定位分割精度                   |    | sec.               | ± 30                 |
| 重量                       |    | kg                 | 50                   |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

110DS 心軸型



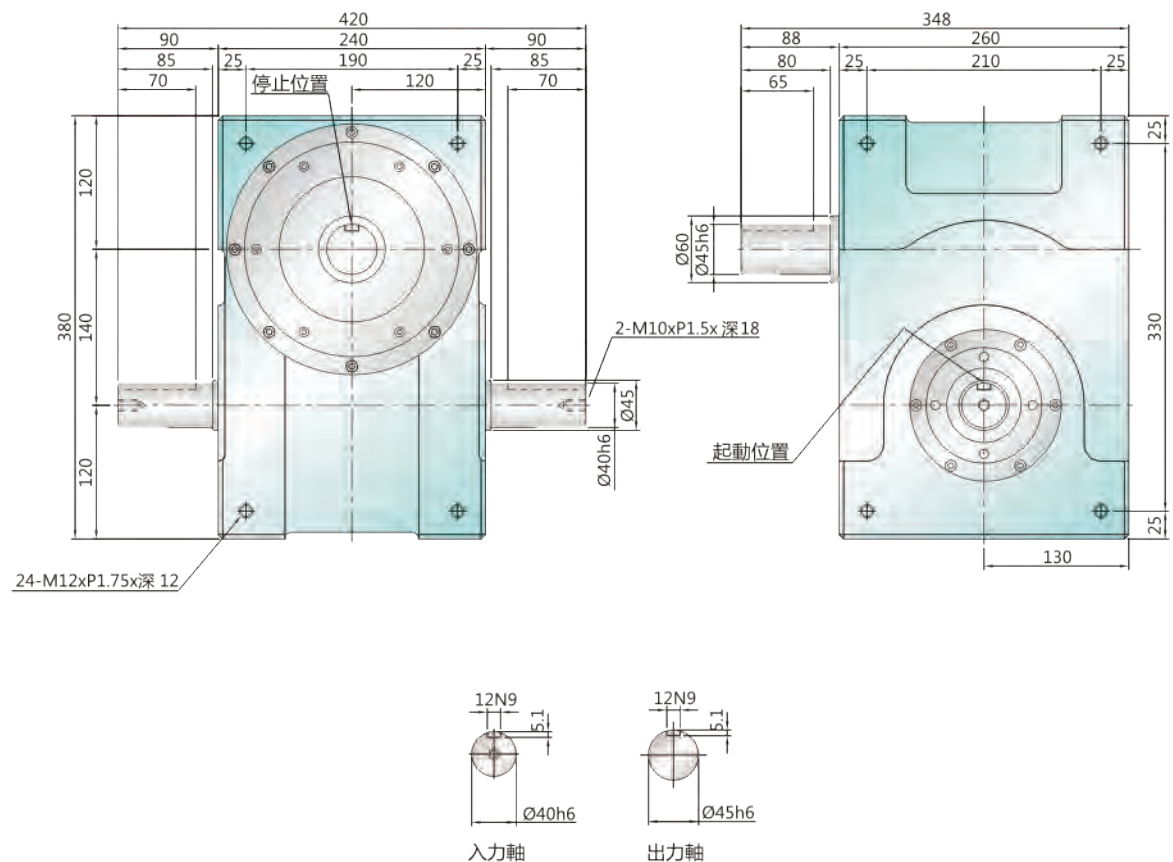
110DS

| 項目                       | 符號 | 單位                 | 數值                     |
|--------------------------|----|--------------------|------------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 500                    |
| 出力軸容許軸向負荷                | C2 | kgf                | 550                    |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                  |
| 入力軸容許徑向負荷                | C3 | kgf                | 360                    |
| 入力軸最大彎曲力矩                | C4 | kgf                | 290                    |
| 入力軸最大扭矩                  | C5 | kgf-m              | 32                     |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 2.8 × 10 <sup>-3</sup> |
| 定位分割精度                   |    | sec.               | ± 30                   |
| 重量                       |    | kg                 | 65                     |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

心軸型 140DS



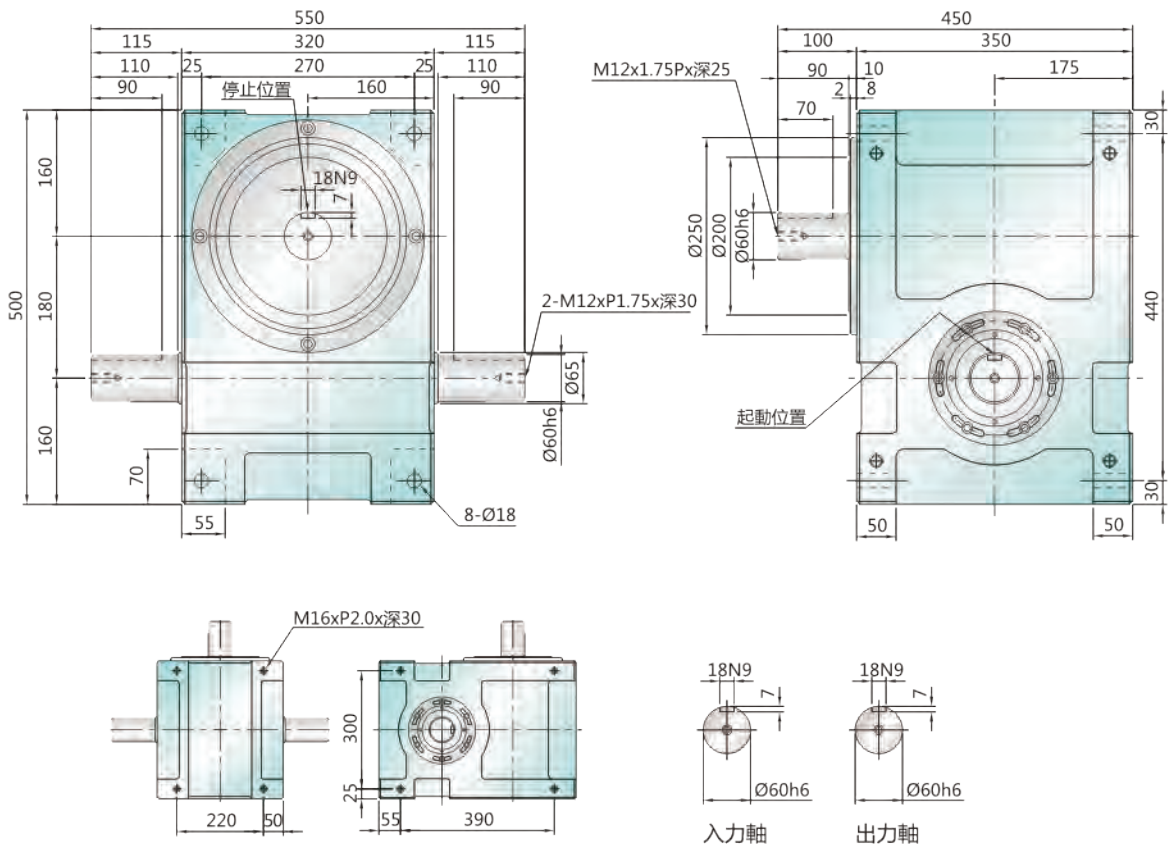
140DS

| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 730   |
| 出力軸容許軸向負荷                | C2 | kgf                | 860   |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 440   |
| 入力軸最大彎曲力矩                | C4 | kgf                | 560   |
| 入力軸最大扭矩                  | C5 | kgf-m              | 75    |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 0.11  |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 90    |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

180DS 心軸型



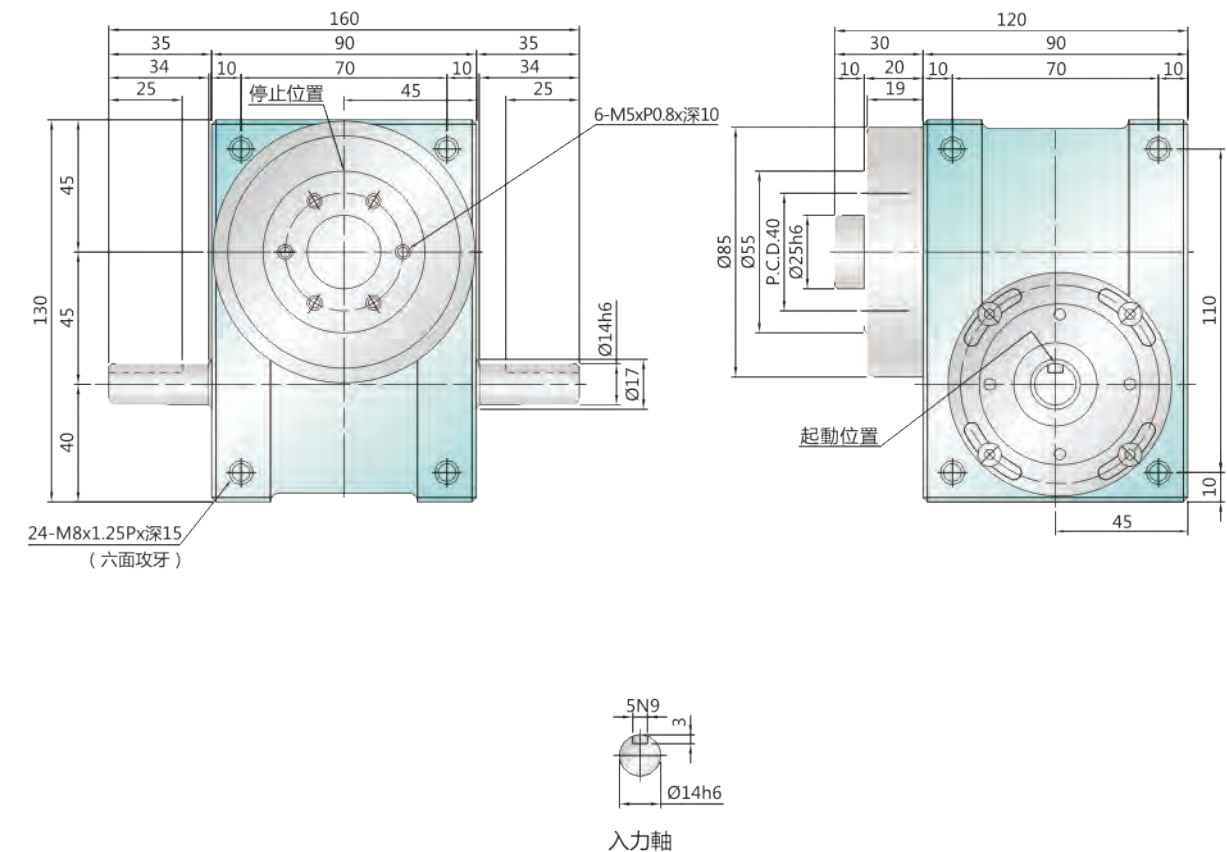
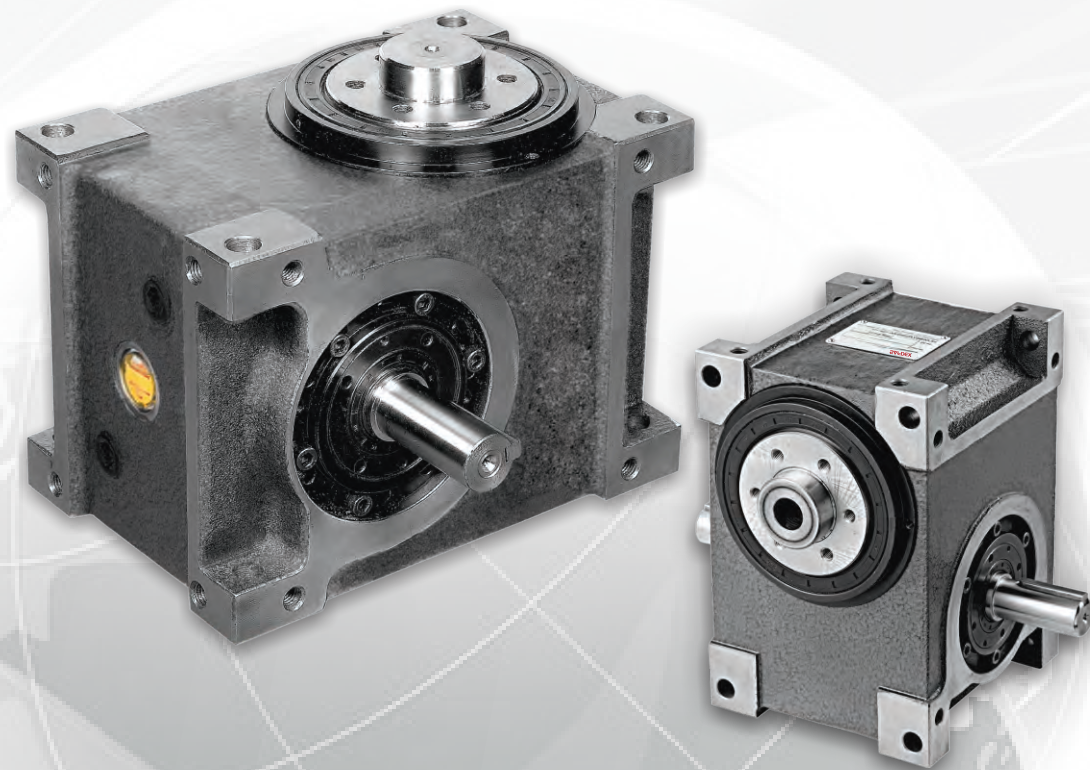
180DS

| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 1200  |
| 出力軸容許軸向負荷                | C2 | kgf                | 1500  |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 590   |
| 入力軸最大彎曲力矩                | C4 | kgf                | 1045  |
| 入力軸最大扭矩                  | C5 | kgf-m              | 147   |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 0.39  |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 220   |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。





## DF 凸緣型

45DF / 60DF / 70DF / 80DF  
110DF / 140DF / 180DF / 250DF

### 產品特點

此系列機種具有重負荷特性，可承受較大之垂直徑向或軸向壓力，其輸出軸為盤面式，有凸緣中心、盤面螺孔、定位銷孔，固定面寬廣，可加強平面度及穩固性，使運轉更堅實平穩。最能適用於較大負荷之回轉式圓盤驅動場合，此系列機種被廣泛使用在各類盤式加工機械，及類似機構之產業機械、自動化間歇驅動部、驅動圓盤。

此系列機種出力軸可制作凸緣中空型、即DFH。H表示：出力軸為中空型。中空型出力軸通常是連接電源綫及空壓風管，訂購時需述說指定孔徑的尺寸及作用。

| 項目                       | 符號 | 單位                 | 數值                     |
|--------------------------|----|--------------------|------------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 130                    |
| 出力軸容許軸向負荷                | C2 | kgf                | 140                    |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                  |
| 入力軸容許徑向負荷                | C3 | kgf                | 85                     |
| 入力軸最大彎曲力矩                | C4 | kgf                | 110                    |
| 入力軸最大扭矩                  | C5 | kgf-m              | 4                      |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 3.2 × 10 <sup>-4</sup> |
| 定位分割精度                   |    | sec.               | ± 60                   |
| 重量                       |    | kg                 | 7                      |

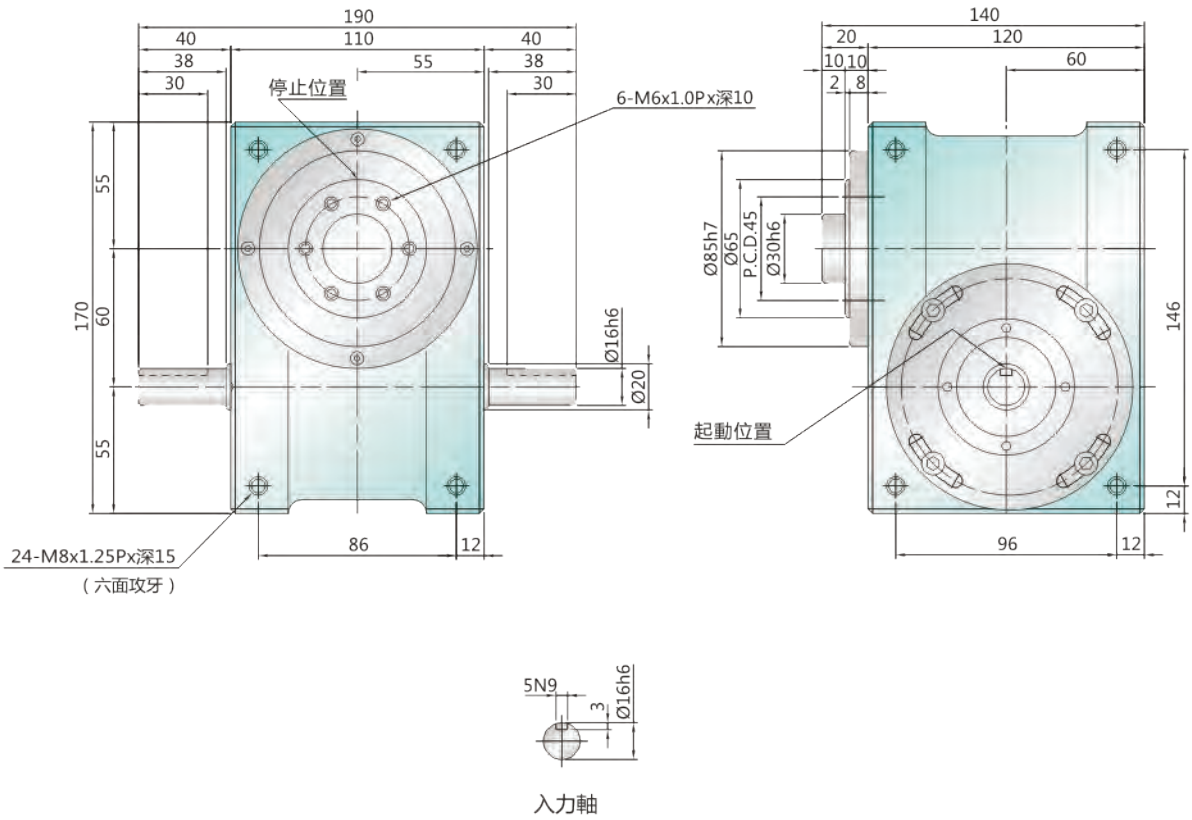
(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

45DF



凸緣型 60DF



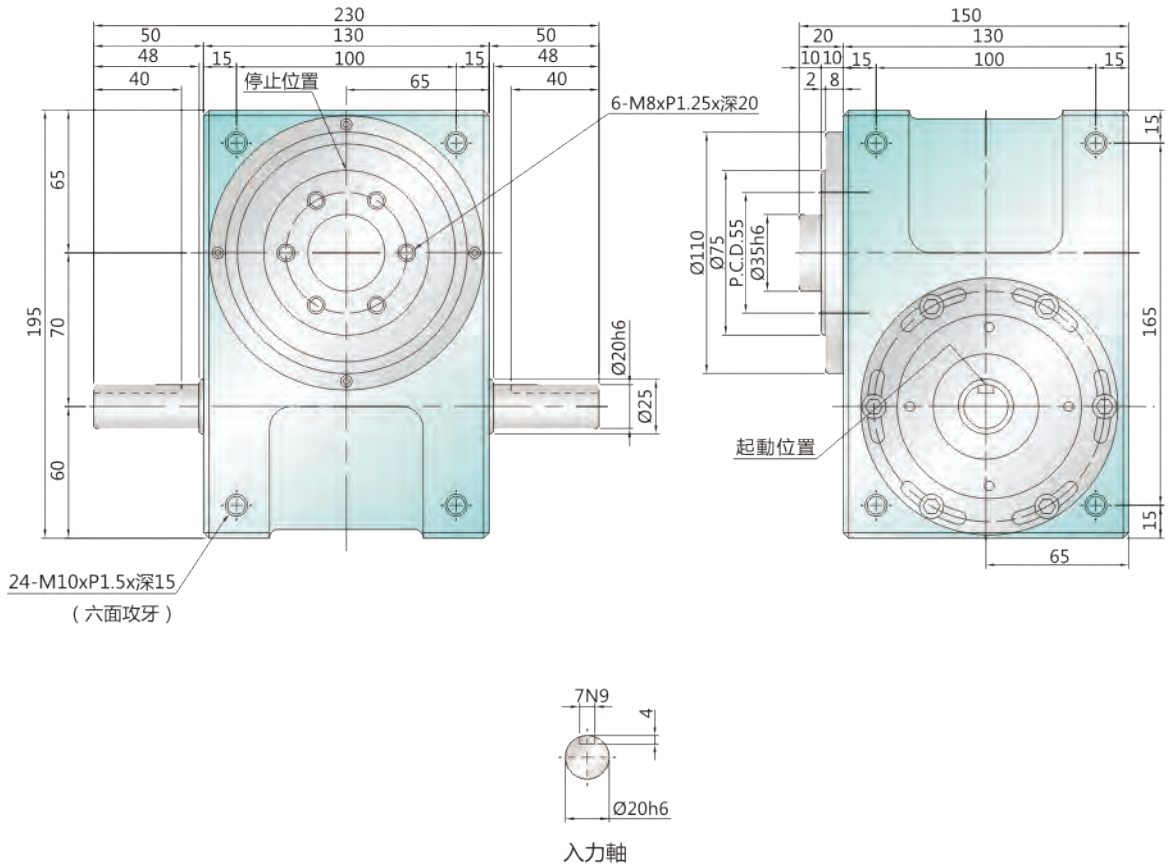
60DF

| 項目                       | 符號 | 單位                 | 數值                     |
|--------------------------|----|--------------------|------------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 140                    |
| 出力軸容許軸向負荷                | C2 | kgf                | 142                    |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                  |
| 入力軸容許徑向負荷                | C3 | kgf                | 100                    |
| 入力軸最大彎曲力矩                | C4 | kgf                | 150                    |
| 入力軸最大扭矩                  | C5 | kgf-m              | 6                      |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 1.9 × 10 <sup>-3</sup> |
| 定位分割精度                   |    | sec.               | ± 45                   |
| 重量                       |    | kg                 | 13                     |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

70DF 凸緣型



70DF

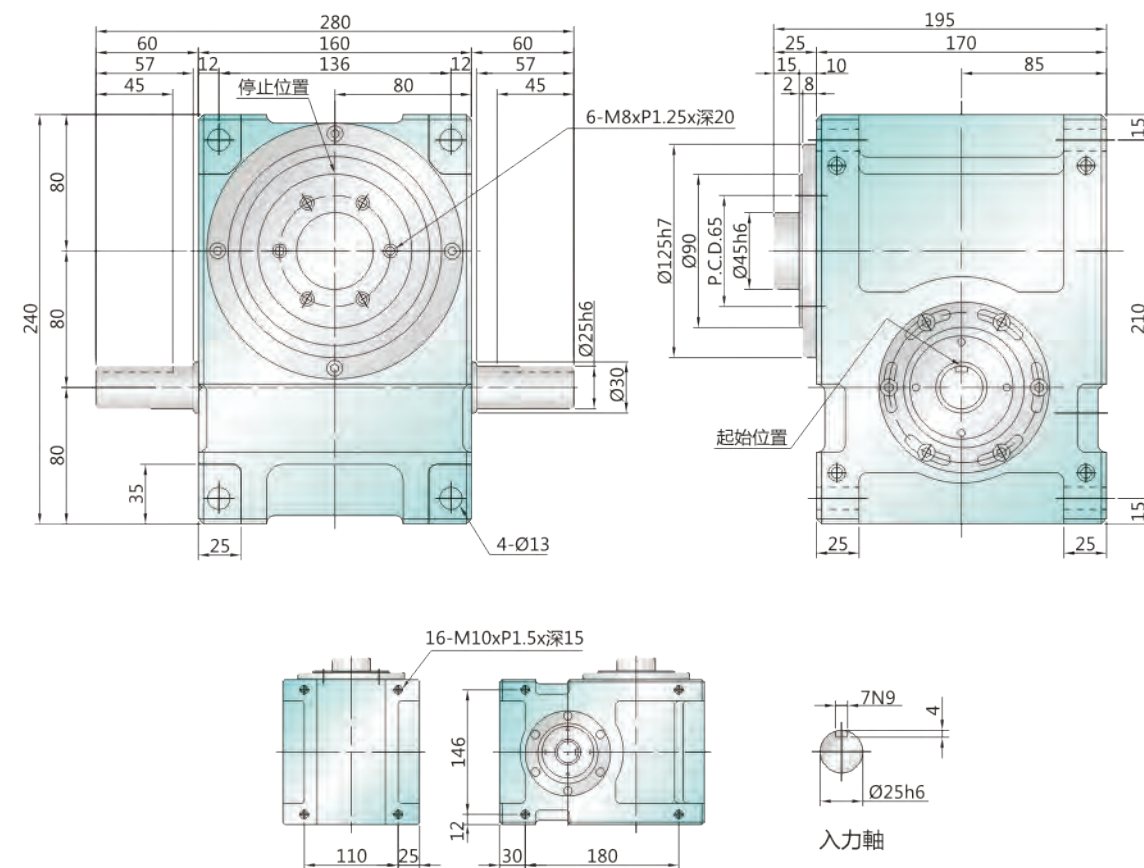
| 項目                       | 符號 | 單位                 | 數值                   |
|--------------------------|----|--------------------|----------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 220                  |
| 出力軸容許軸向負荷                | C2 | kgf                | 300                  |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                |
| 入力軸容許徑向負荷                | C3 | kgf                | 150                  |
| 入力軸最大彎曲力矩                | C4 | kgf                | 110                  |
| 入力軸最大扭矩                  | C5 | kgf-m              | 9.5                  |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 6 × 10 <sup>-3</sup> |
| 定位分割精度                   |    | sec.               | ± 30                 |
| 重量                       |    | kg                 | 18                   |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。



凸緣型 80DF



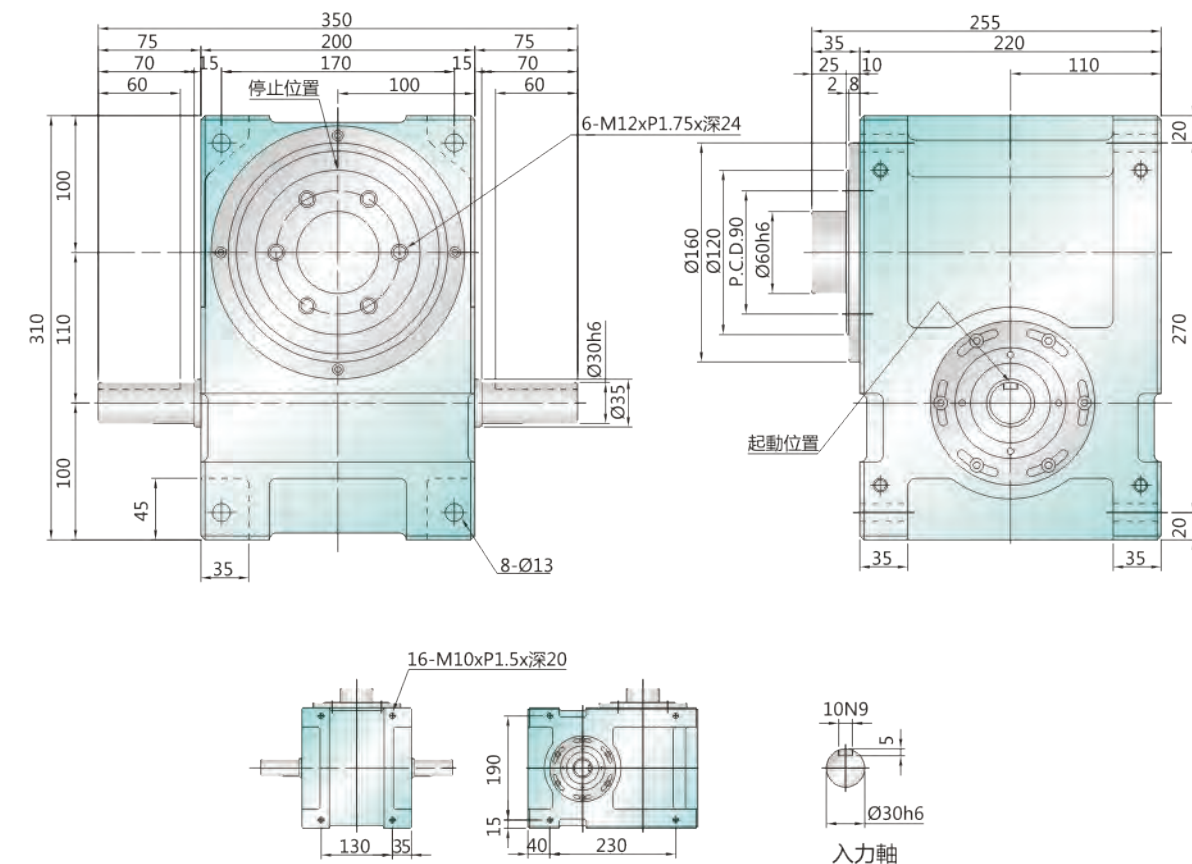
80DF

| 項目                       | 符號 | 單位                 | 數值                   |
|--------------------------|----|--------------------|----------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 330                  |
| 出力軸容許軸向負荷                | C2 | kgf                | 420                  |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                |
| 入力軸容許徑向負荷                | C3 | kgf                | 350                  |
| 入力軸最大彎曲力矩                | C4 | kgf                | 260                  |
| 入力軸最大扭矩                  | C5 | kgf-m              | 25                   |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 9 × 10 <sup>-3</sup> |
| 定位分割精度                   |    | sec.               | ± 30                 |
| 重量                       |    | kg                 | 32                   |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

110DF 凸緣型



110DF

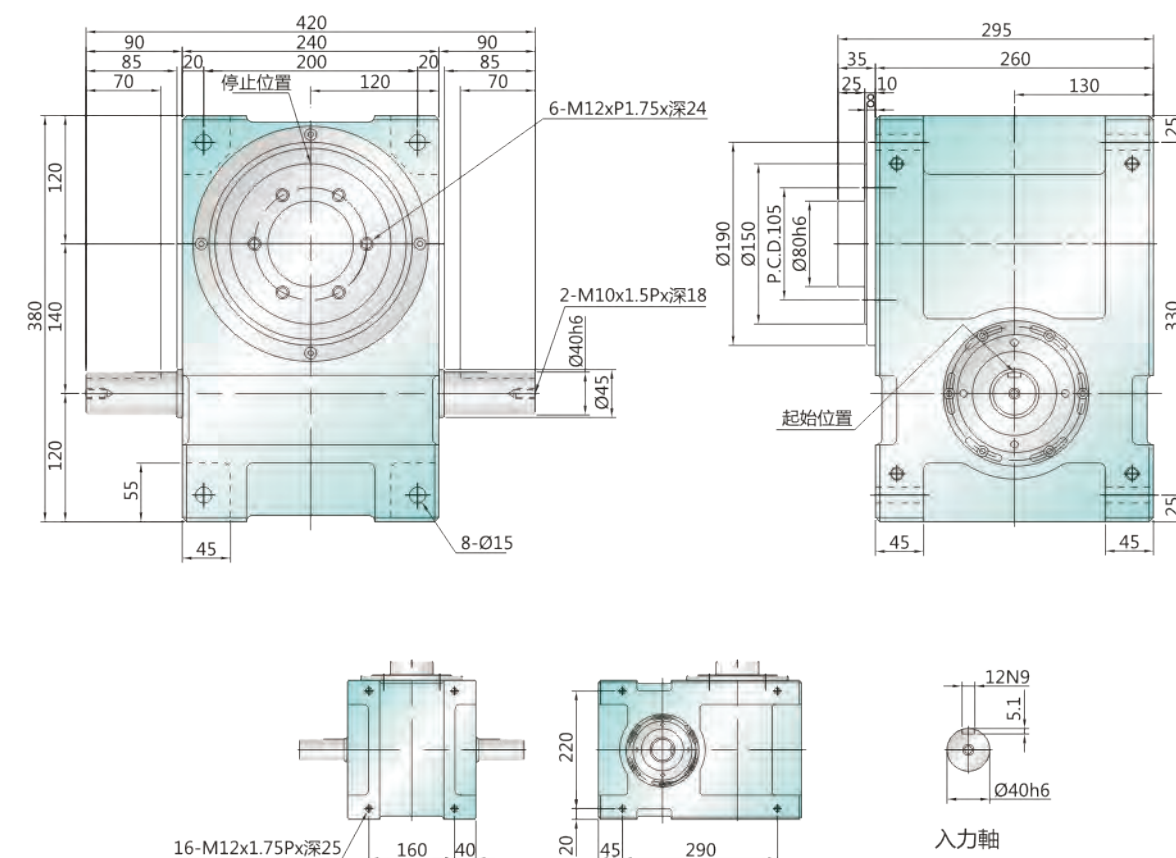
| 項目                       | 符號 | 單位                 | 數值                     |
|--------------------------|----|--------------------|------------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 560                    |
| 出力軸容許軸向負荷                | C2 | kgf                | 700                    |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                  |
| 入力軸容許徑向負荷                | C3 | kgf                | 480                    |
| 入力軸最大彎曲力矩                | C4 | kgf                | 415                    |
| 入力軸最大扭矩                  | C5 | kgf-m              | 40                     |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 2.8 × 18 <sup>-2</sup> |
| 定位分割精度                   |    | sec.               | ± 30                   |
| 重量                       |    | kg                 | 65                     |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

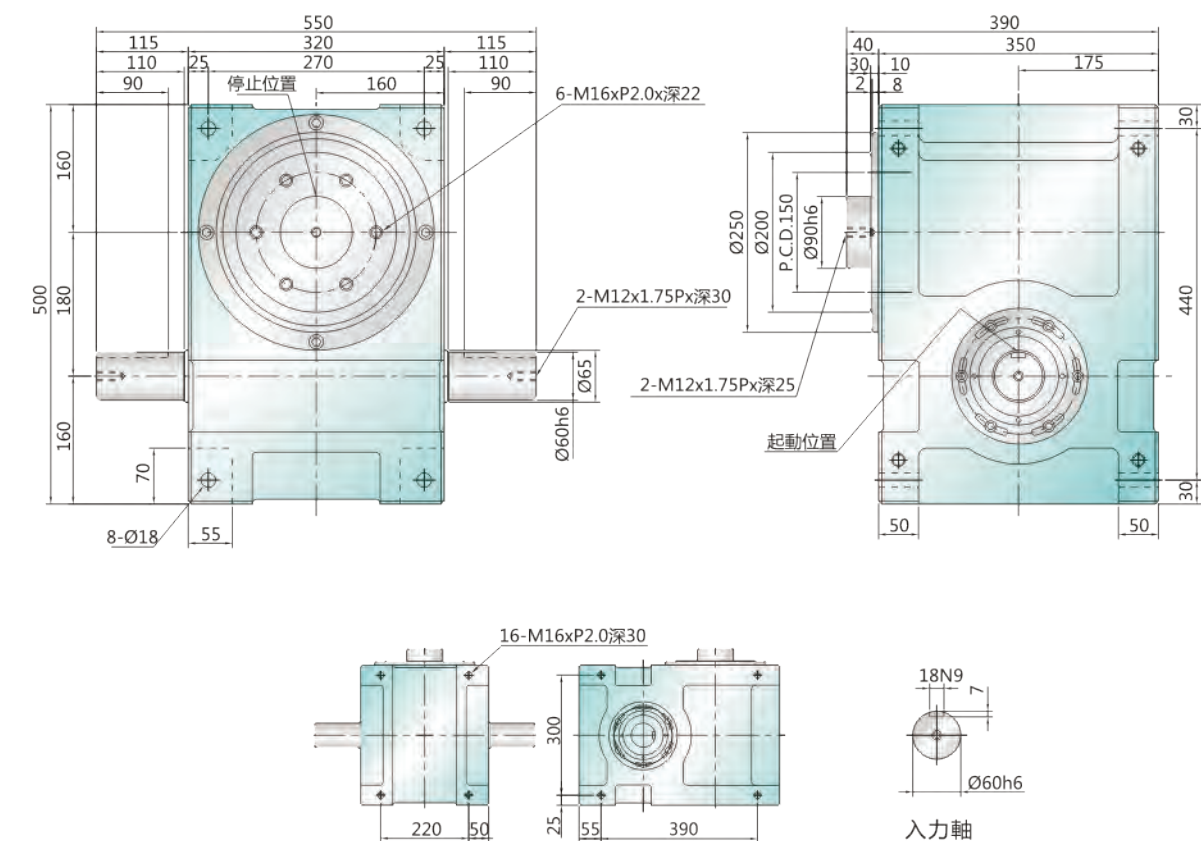
(註2)  
C1~C5數值是達到安全系數=2時的數值。



凸緣型 140DF



180DF 凸緣型



| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 760   |
| 出力軸容許軸向負荷                | C2 | kgf                | 1000  |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 550   |
| 入力軸最大彎曲力矩                | C4 | kgf                | 710   |
| 入力軸最大扭矩                  | C5 | kgf-m              | 100   |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 0.11  |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 90    |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

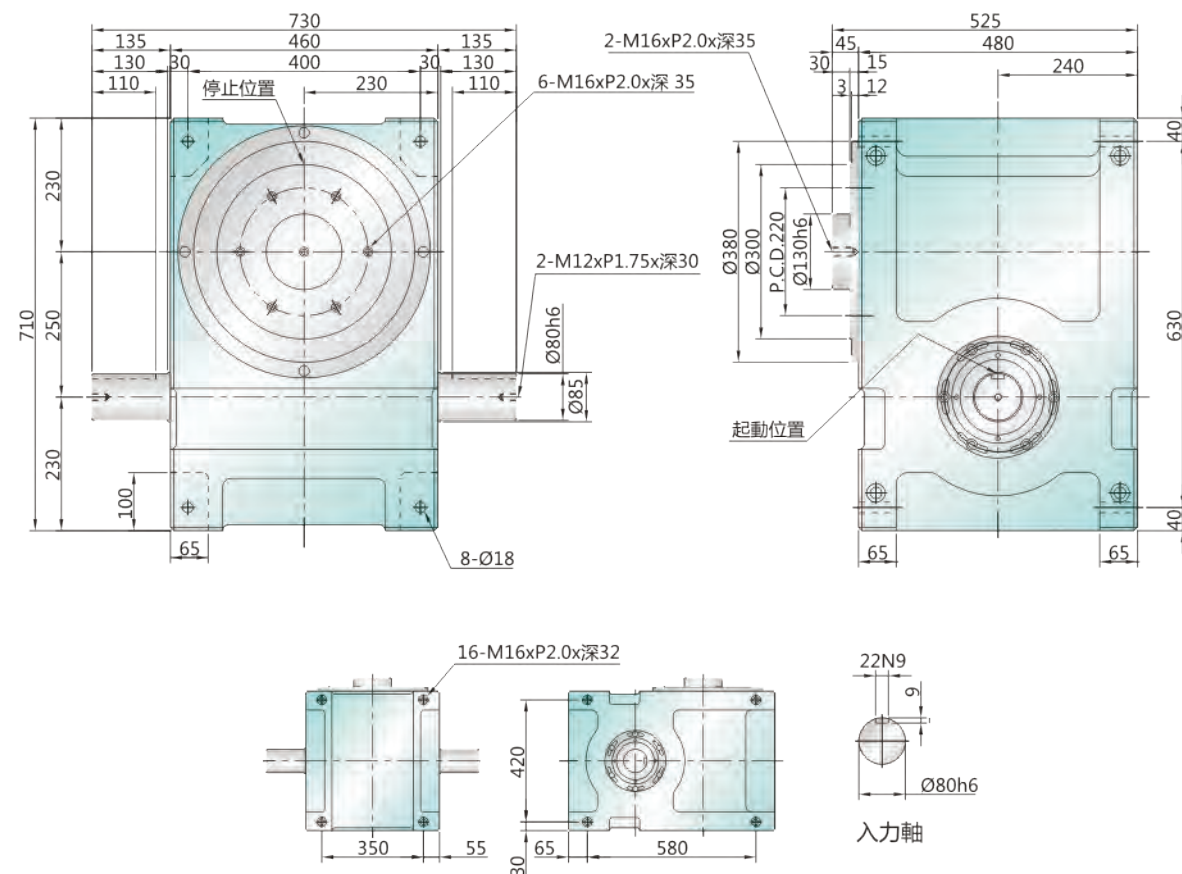
| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 1200  |
| 出力軸容許軸向負荷                | C2 | kgf                | 1500  |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 1100  |
| 入力軸最大彎曲力矩                | C4 | kgf                | 1960  |
| 入力軸最大扭矩                  | C5 | kgf-m              | 340   |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 0.39  |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 220   |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

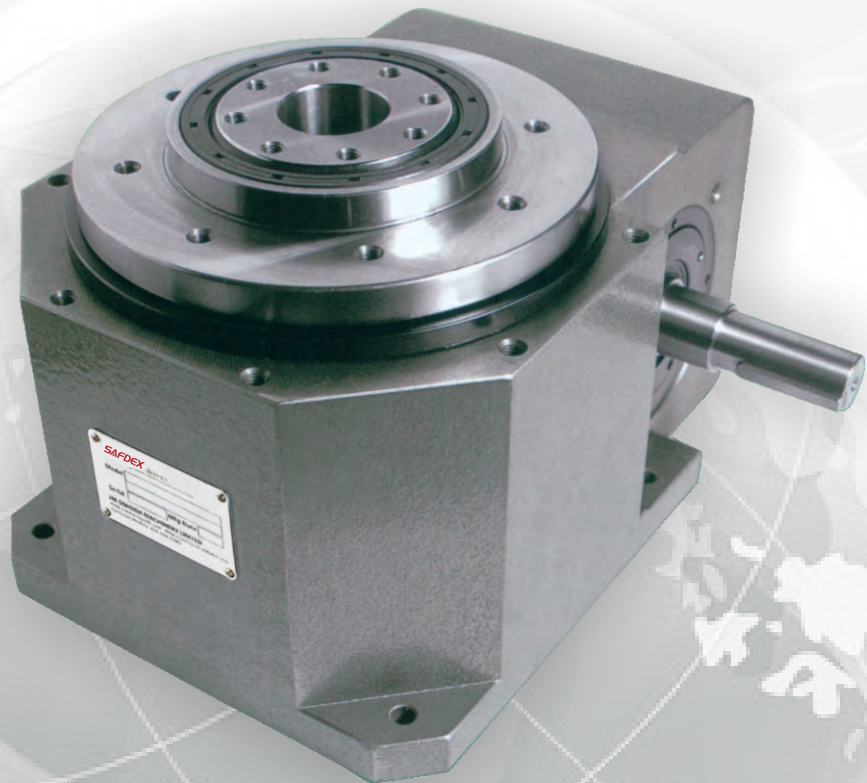


凸緣型 250DF



Indexing Solutions

SAFDEX drives



# DT 平臺桌面型

80DT / 110DT / 140DT / 180DT  
210DT / 250DT / 350DT / 438DT

## 產品特點

此系列機種之尺寸設計特性與凸緣型功能相似，於驅動運轉上可承受超大軸向負載及垂直徑向壓力，在輸出端有一凸起固定盤面及大孔徑空心軸，可搭配設置動態、靜態自動化周邊設備，可將動力源之電、油、氣等管路置於空心孔內，此系列機種廣泛應用於重負載、直結自動化設備之各類機構及產業機械等，作同步自動化間歇驅動。

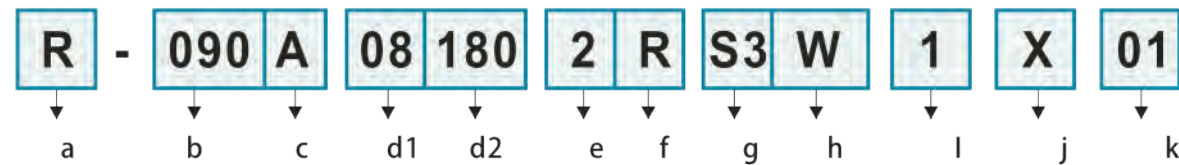
| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 3200  |
| 出力軸容許軸向負荷                | C2 | kgf                | 4150  |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 1550  |
| 入力軸最大彎曲力矩                | C4 | kgf                | 3800  |
| 入力軸最大扭矩                  | C5 | kgf-m              | 780   |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 1.98  |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 685   |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

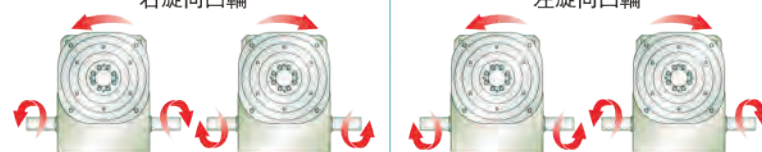
(註2)  
C1~C5數值是達到安全系數=2時的數值。



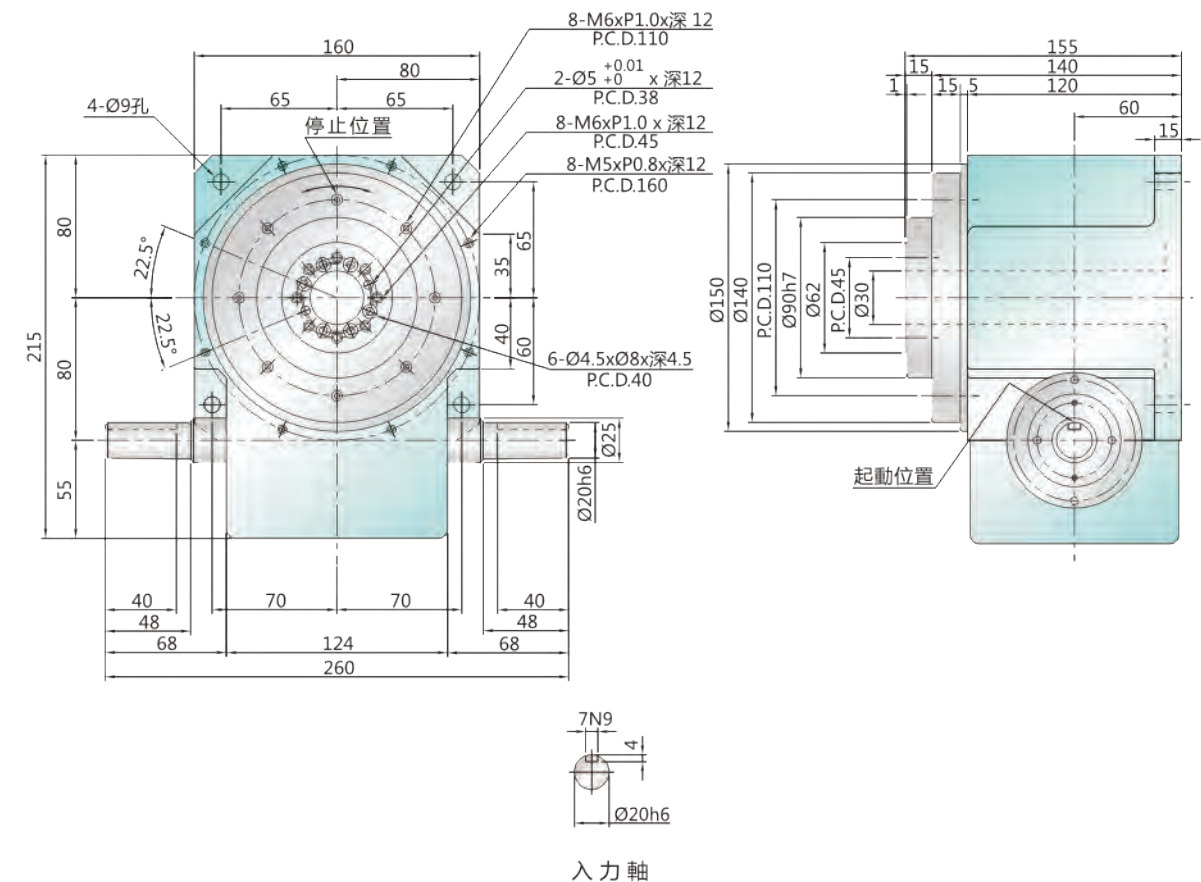
# 機種選購指定代號排列標示方法



| a<br>機種                                                                                                | d<br>規格            | c<br>型式          | d1<br>分割等份<br>(S)  | d2<br>驅動角<br>(D.F)  | e<br>凸輪運動曲綫      |
|--------------------------------------------------------------------------------------------------------|--------------------|------------------|--------------------|---------------------|------------------|
| <b>R</b><br>滾子凸輪                                                                                       | <b>090</b><br>90mm | <b>A</b><br>Type | <b>08</b><br>8stop | <b>180°</b><br>180° | <b>2</b><br>MS曲綫 |
| 出力軸與入力軸之軸間距離<br>70A/90A/110A/150A/190A<br>230A/330A/450A/<br>80T/110T/140T/180T/210T<br>250T/350T/438T |                    |                  |                    |                     |                  |
| <b>A</b> 超薄平<br>臺桌面<br>型<br><br><b>T</b> 平臺桌<br>面型                                                     |                    |                  |                    |                     |                  |
| 定位分割等份<br>4.5.6.8.10.12<br>16<br>訂制規格<br>20.24.30.32<br>36.40.48                                       |                    |                  |                    |                     |                  |
| 入力軸凸<br>輪驅動出<br>力軸分割<br>之角度                                                                            |                    |                  |                    |                     |                  |
| <b>1</b> 彎形臺形曲綫MTS<br><b>2</b> 變開正弦曲綫MS<br><b>3</b> 彎形等速度曲綫MCV50<br><b>4</b> 有理式仿 RBS                  |                    |                  |                    |                     |                  |

| i 凸輪旋轉方向                                                                                                                                                                                                                                                                                      | g 入力軸組立方向                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>R</b><br>間歇驅動之右旋向凸輪<br><br>入力軸均可以正逆向旋轉，如果入力軸無固定旋向之要求，只需要變更馬達之旋轉方向，即可達到出力軸旋向的要求。<br><br>1 Dwell    2 Dwell    3 Dwell    4 Dwell<br><b>R L</b> <b>R2 L2</b> <b>R3 L3</b> <b>R4 L4</b><br><br>R 為單驅動，入力軸旋轉一圈，出力軸做一次間歇運動，多用於4-12等份<br>R2 為雙驅動，入力軸旋轉180°，出力軸做一次間歇運動，多用於16等份以上...。R3.R4...依此類推。 | <b>S3</b><br>T面及U面兩端<br><br><b>S1</b> 只有T面 <b>S2</b> 只有U面<br><br><br><br><b>S2</b> T面及U面皆有<br><br> |
| 右旋向凸輪      左旋向凸輪<br><br>                                                                                                                                                                                   |                                                                                                                                                                                                                                                                              |

| h<br>本體安裝螺絲孔面         | i<br>安裝位置                                                                                                                                                    | j<br>特殊規格說明                                                                                    | k<br>特殊規格說明 |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------|
| <b>W</b>              | <b>1</b>                                                                                                                                                     | <b>X</b>                                                                                       | <b>01</b>   |
| 主殼及機體安裝螺絲孔在V及W面皆有固定孔。 | 安裝位置如下圖所示<br><br><b>1</b> GL (W) <b>2</b> GL (V) <b>5</b> GL (P)<br><br> | 訂購外部特殊之指定要求<br><input type="checkbox"/> 標準(不加符號)<br><input checked="" type="checkbox"/> 特別指定注明 | 客戶專用編碼      |



80DT

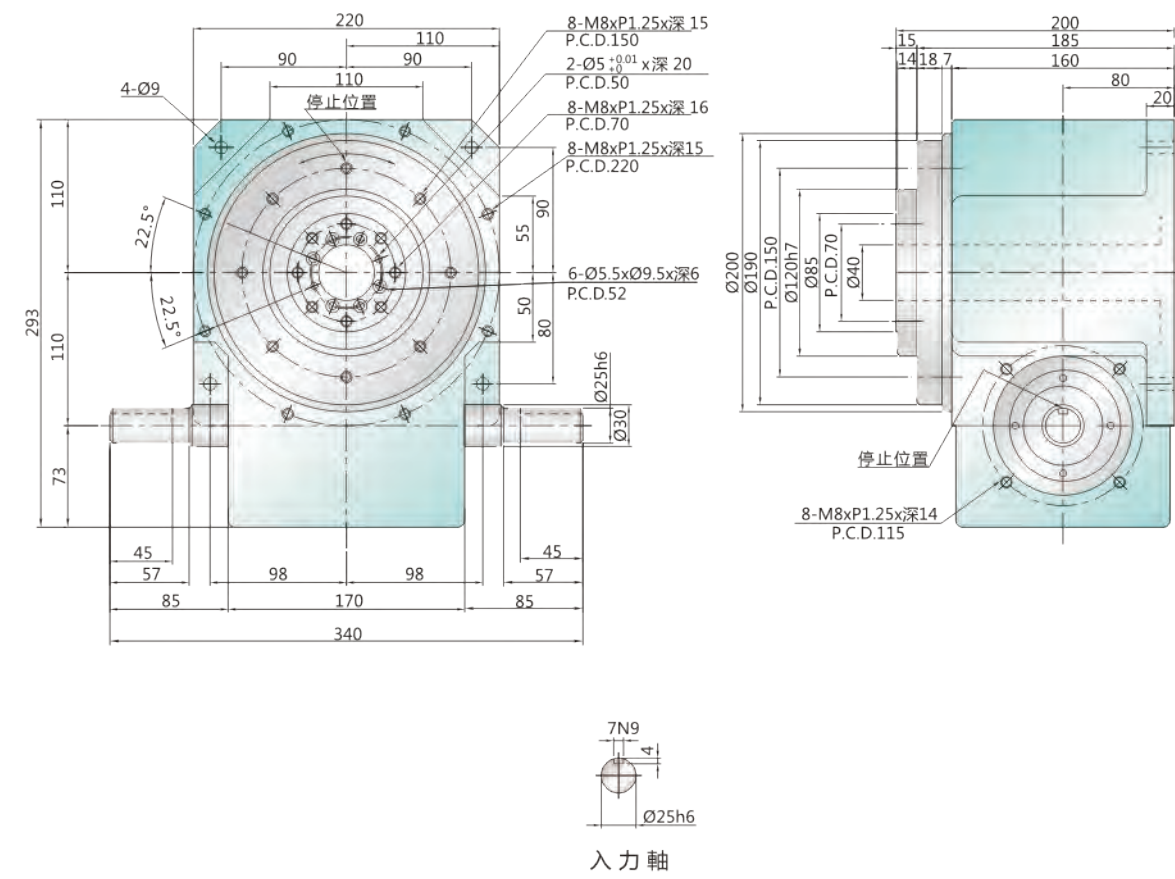
| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 520   |
| 出力軸容許軸向負荷                | C2 | kgf                | 220   |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 220   |
| 入力軸最大彎曲力矩                | C4 | kgf                | 160   |
| 入力軸最大扭矩                  | C5 | kgf-m              | 9.5   |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 0.03  |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 20    |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。



平臺桌面型 110DT



入力軸

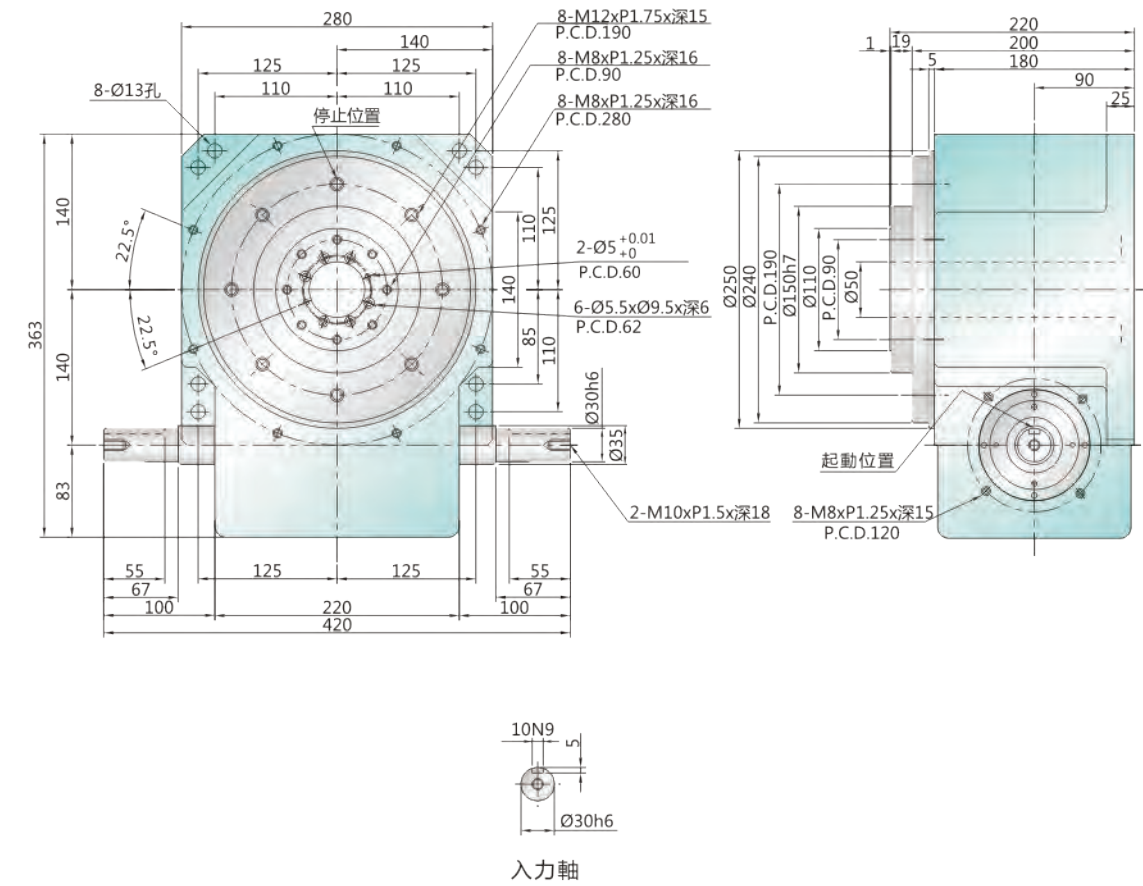
110DT

| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 860   |
| 出力軸容許軸向負荷                | C2 | kgf                | 420   |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 300   |
| 入力軸最大彎曲力矩                | C4 | kgf                | 250   |
| 入力軸最大扭矩                  | C5 | kgf-m              | 25    |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 0.01  |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 50    |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

140DT 平臺桌面型



入力軸

140DT

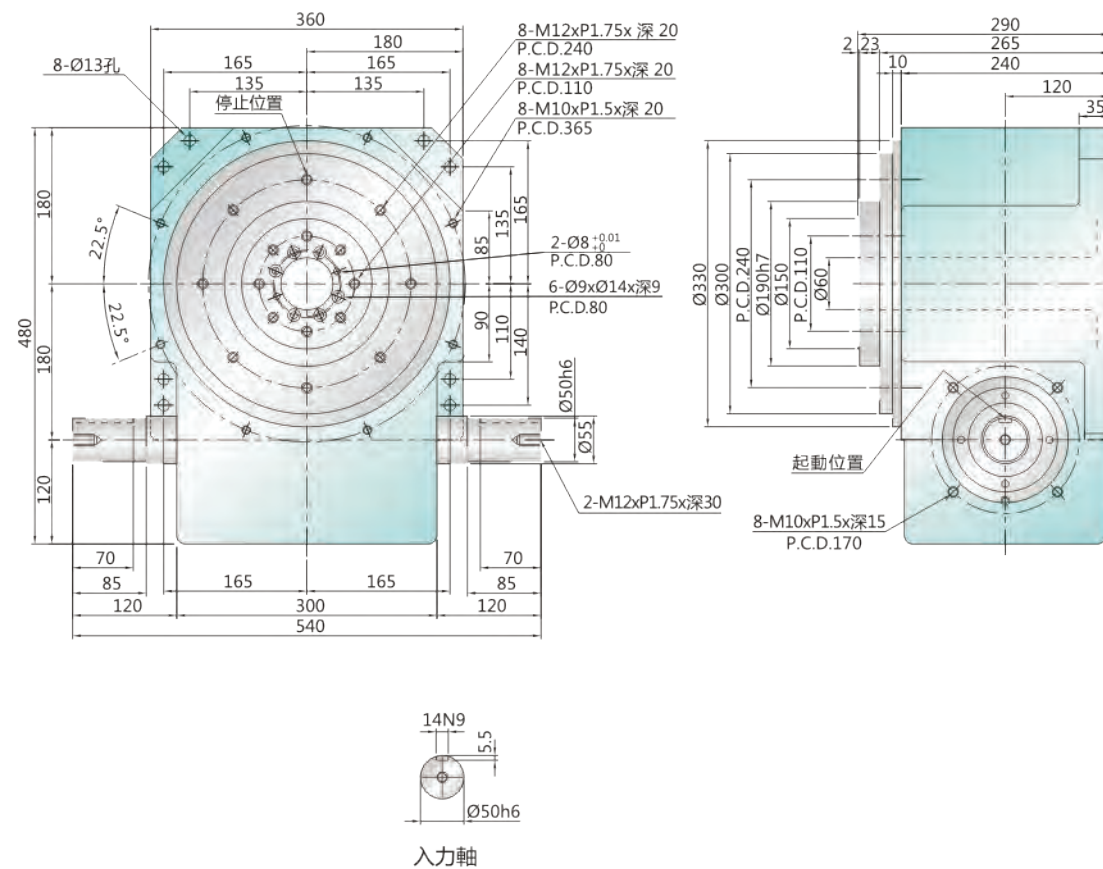
| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 1050  |
| 出力軸容許軸向負荷                | C2 | kgf                | 720   |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 500   |
| 入力軸最大彎曲力矩                | C4 | kgf                | 350   |
| 入力軸最大扭矩                  | C5 | kgf-m              | 53    |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 0.07  |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 85    |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。



平臺桌面型 180DT



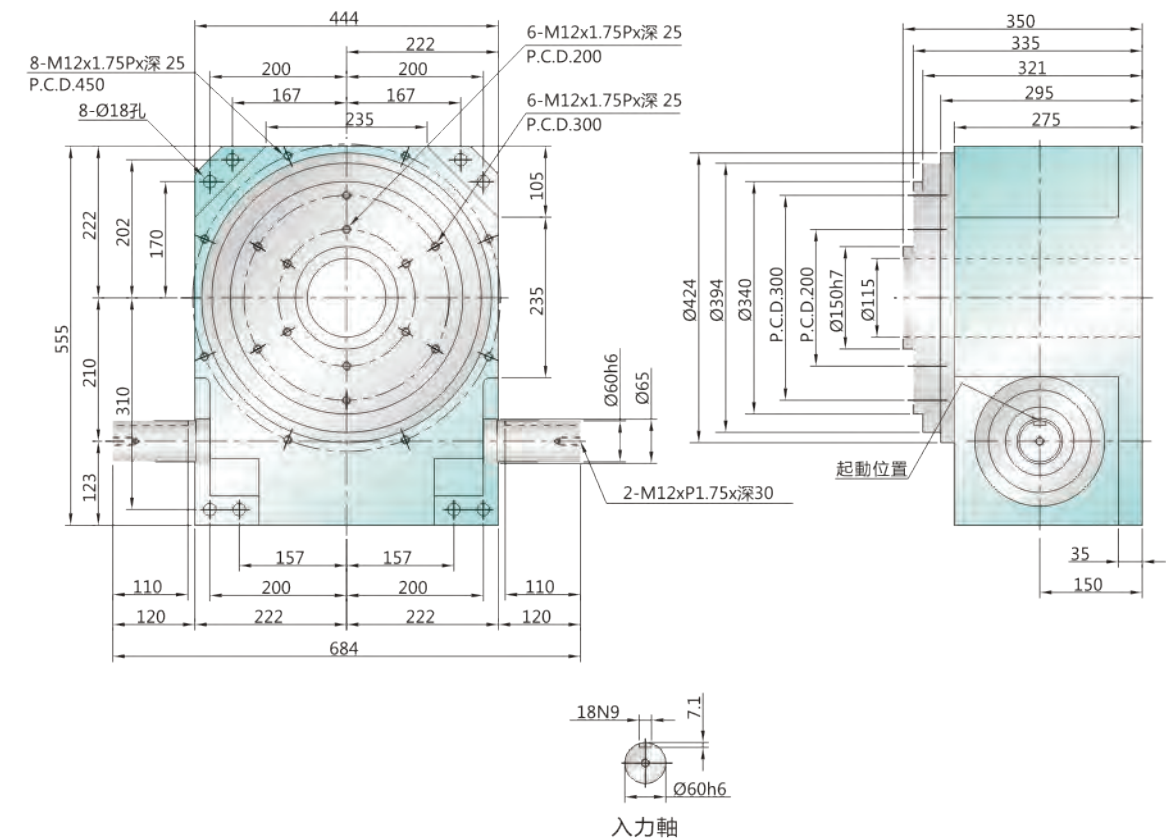
| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 1500  |
| 出力軸容許軸向負荷                | C2 | kgf                | 1100  |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 1200  |
| 入力軸最大彎曲力矩                | C4 | kgf                | 960   |
| 入力軸最大扭矩                  | C5 | kgf-m              | 220   |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 0.23  |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 190   |

(註1)  
入力軸のGD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到  
安全系數=2時的數  
值。

# 180DT

210DT 平臺桌面型



| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 1950  |
| 出力軸容許軸向負荷                | C2 | kgf                | 1520  |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 1570  |
| 入力軸最大彎曲力矩                | C4 | kgf                | 1130  |
| 入力軸最大扭矩                  | C5 | kgf-m              | 460   |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 0.62  |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 450   |

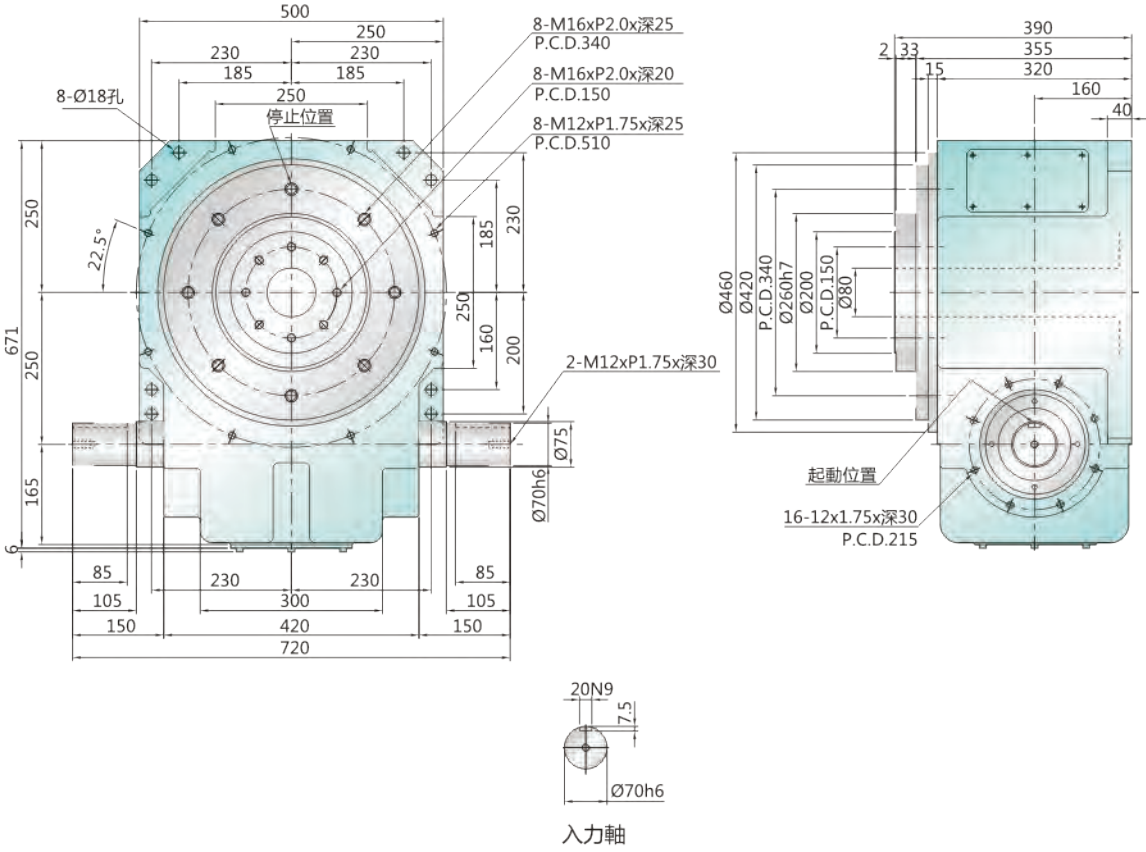
(註1)  
 入力軸のGD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到  
安全系數=2時的數  
值。

210DT



平臺桌面型 250DT



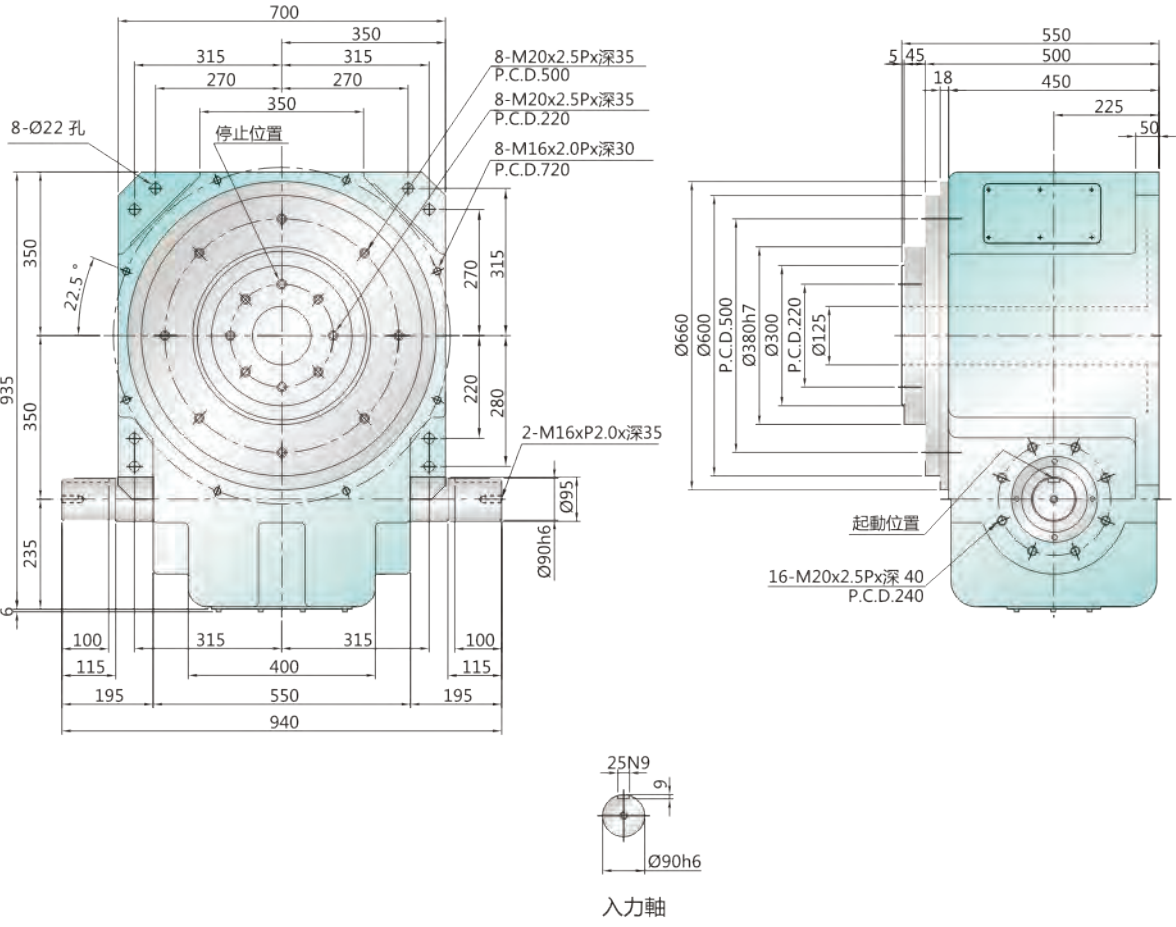
250DT

| 項目                       | 符號   | 單位                 | 數值    |
|--------------------------|------|--------------------|-------|
| 出力軸容許徑向負荷                | C1   | kgf                | 2500  |
| 出力軸容許軸向負荷                | C2   | kgf                | 1800  |
| 出力軸容許力矩                  | Ts   | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3   | kgf                | 1900  |
| 入力軸最大彎曲力矩                | C4   | kgf                | 2250  |
| 入力軸最大扭矩                  | C5   | kgf-m              | 670   |
| 入力軸的GD <sup>2</sup> (註1) | C6   | kgf-m <sup>2</sup> | 0.86  |
| 定位分割精度                   | sec. |                    | ± 30  |
| 重量                       | kg   |                    | 500   |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

350DT 平臺桌面型



350DT

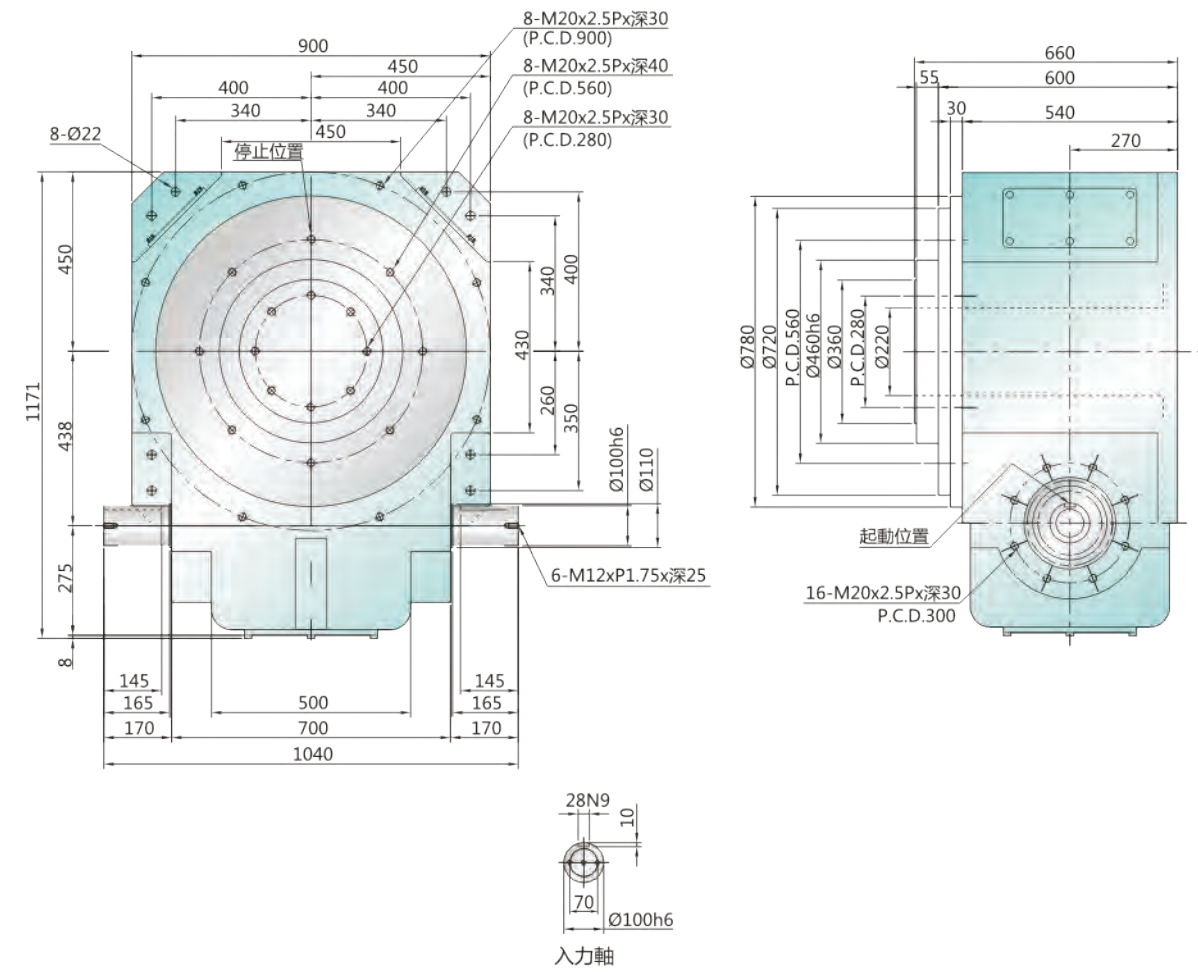
| 項目                       | 符號   | 單位                 | 數值    |
|--------------------------|------|--------------------|-------|
| 出力軸容許徑向負荷                | C1   | kgf                | 4500  |
| 出力軸容許軸向負荷                | C2   | kgf                | 3300  |
| 出力軸容許力矩                  | Ts   | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3   | kgf                | 2800  |
| 入力軸最大彎曲力矩                | C4   | kgf                | 3800  |
| 入力軸最大扭矩                  | C5   | kgf-m              | 1000  |
| 入力軸的GD <sup>2</sup> (註1) | C6   | kgf-m <sup>2</sup> | 2.7   |
| 定位分割精度                   | sec. |                    | ± 20  |
| 重量                       | kg   |                    | 1200  |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。



平臺桌面型 438DT



438DT

| 項目                       | 符號 | 單位                 | 數值    | (註1)<br>輸入軸的GD <sup>2</sup> 是在停<br>留範圍內的數值。 |
|--------------------------|----|--------------------|-------|---------------------------------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 6500  |                                             |
| 出力軸容許軸向負荷                | C2 | kgf                | 4600  | (註2)<br>C1~C5數值是達到<br>安全系數=2時的數<br>值。       |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |                                             |
| 輸入軸容許徑向負荷                | C3 | kgf                | 3300  |                                             |
| 輸入軸最大彎曲力矩                | C4 | kgf                | 4500  |                                             |
| 輸入軸最大扭矩                  | C5 | kgf-m              | 1300  |                                             |
| 輸入軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 10.27 |                                             |
| 定位分割精度                   |    | sec.               | ± 20  |                                             |
| 重量                       |    | kg                 | 2240  |                                             |

Indexing Solutions

SAFDEX drives



DA超薄平臺桌面型

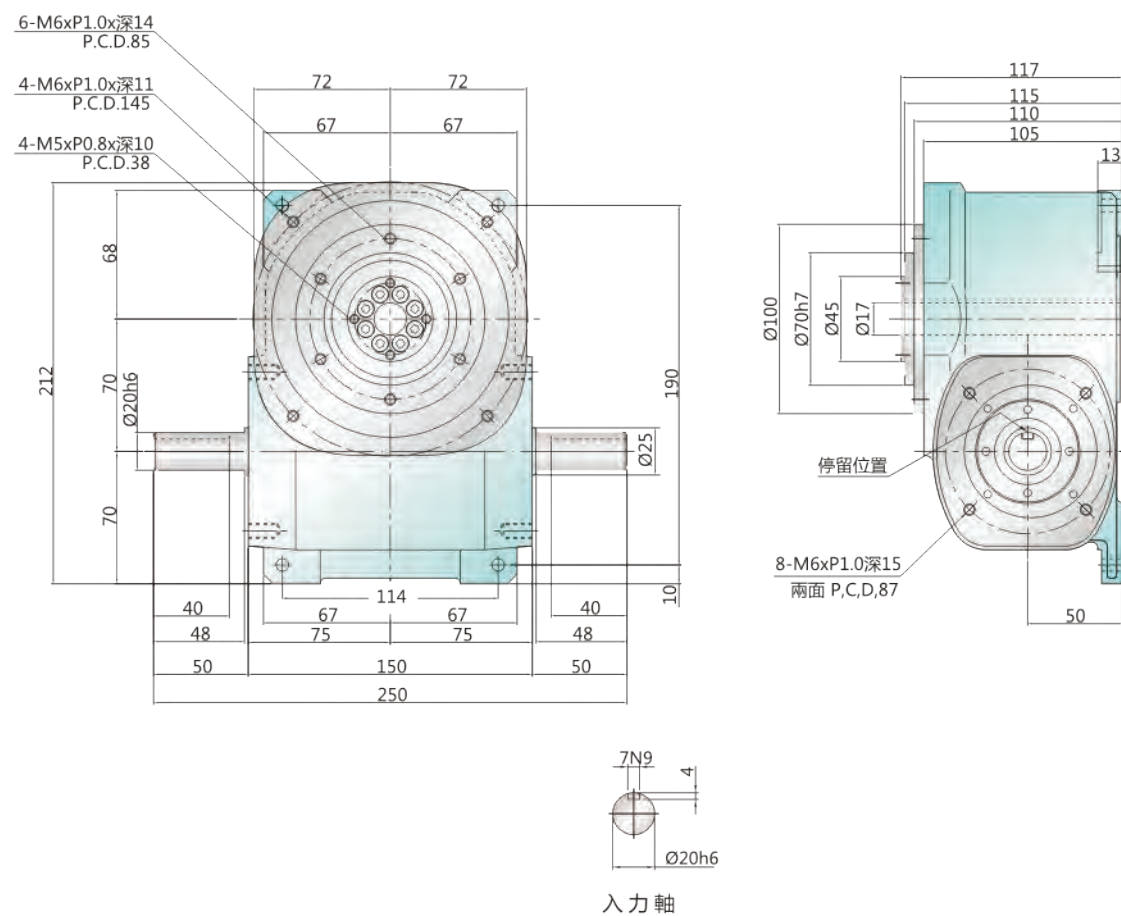
70DA / 90DA / 110DA / 150DA  
190DA / 230DA / 330DA / 450DA

產品特點

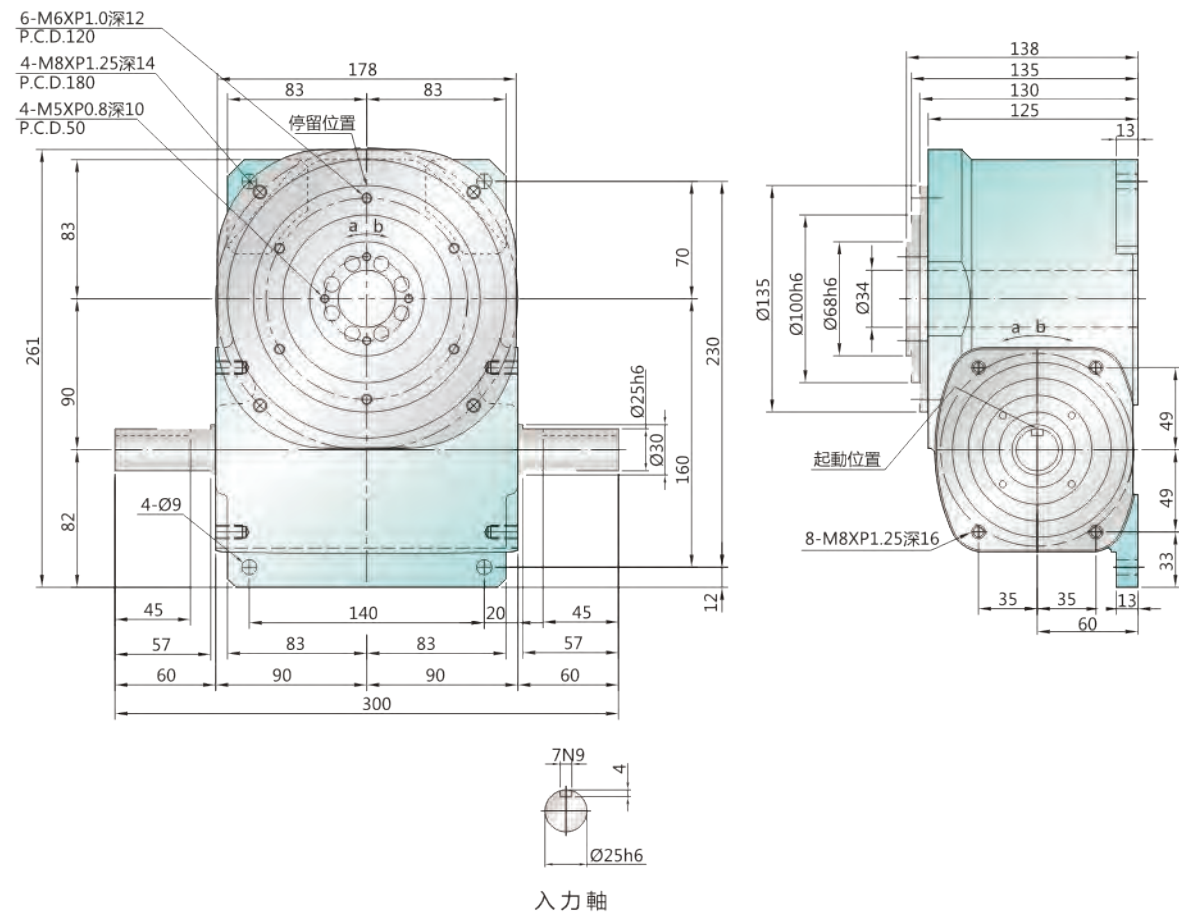
此系列機種之尺寸設計特性與平台桌面型功能相似，於驅動運轉上可承受超大軸向負載及垂直徑向壓力，在輸出端有一凸起固定盤面及大孔徑空心軸，可搭配設置動態、靜態自動化周邊設備，可將動力源之電、油、氣管路設置於空心孔內，此系列機種廣泛應用於重負載、直結自動化設備之各類機構及產業機械等，作同步自動化間歇驅動。



超薄平臺桌面型 70DA



90DA 超薄平臺桌面型



| 項目                       | 符號 | 單位                 | 數值                     |
|--------------------------|----|--------------------|------------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 316                    |
| 出力軸容許軸向負荷                | C2 | kgf                | 142                    |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                  |
| 入力軸容許徑向負荷                | C3 | kgf                | 190                    |
| 入力軸最大彎曲力矩                | C4 | kgf                | 163                    |
| 入力軸最大扭矩                  | C5 | kgf-m              | 9.5                    |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 1.9 × 10 <sup>-3</sup> |
| 定位分割精度                   |    | sec.               | ± 30                   |
| 重量                       |    | kg                 | 15                     |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

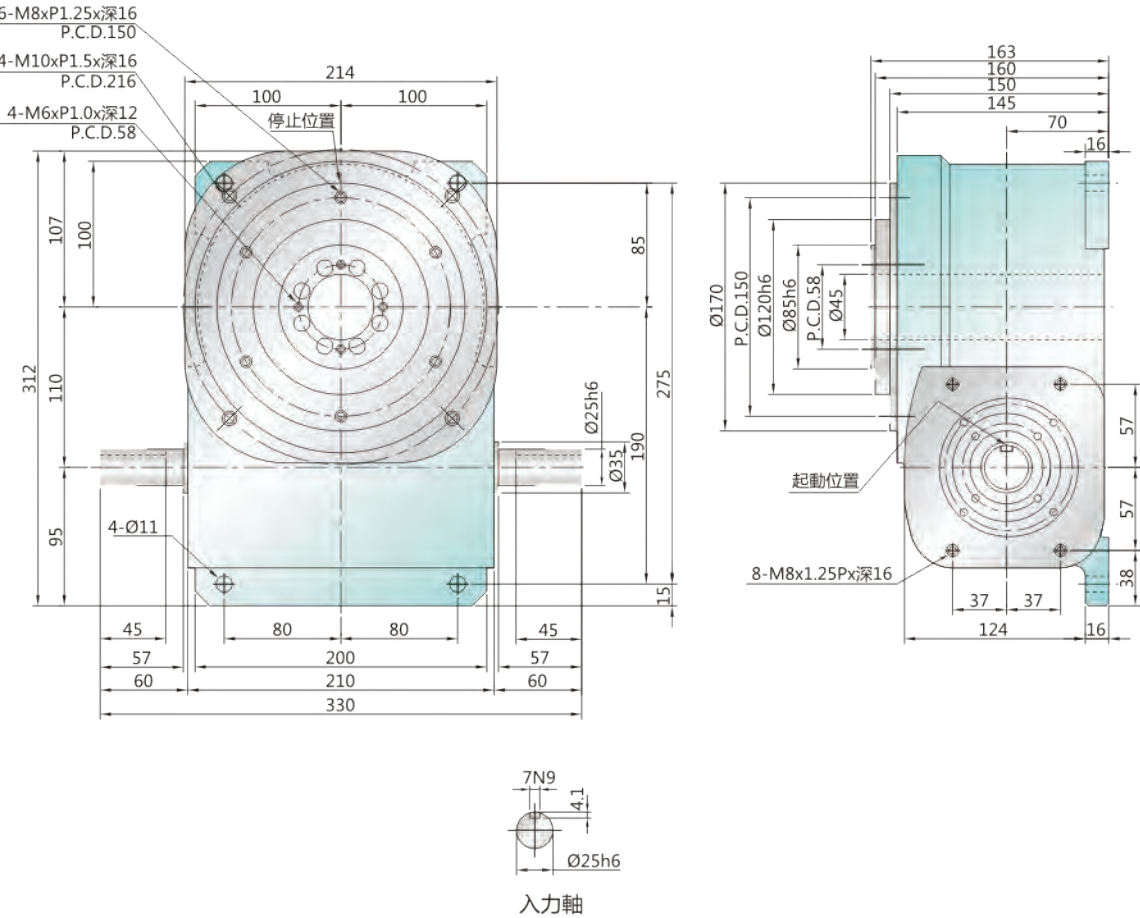
| 項目                       | 符號 | 單位                 | 數值                     |
|--------------------------|----|--------------------|------------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 500                    |
| 出力軸容許軸向負荷                | C2 | kgf                | 210                    |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                  |
| 入力軸容許徑向負荷                | C3 | kgf                | 260                    |
| 入力軸最大彎曲力矩                | C4 | kgf                | 260                    |
| 入力軸最大扭矩                  | C5 | kgf-m              | 25                     |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 2.5 × 10 <sup>-3</sup> |
| 定位分割精度                   |    | sec.               | ± 30                   |
| 重量                       |    | kg                 | 28                     |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。



超薄平臺桌面型 110DA



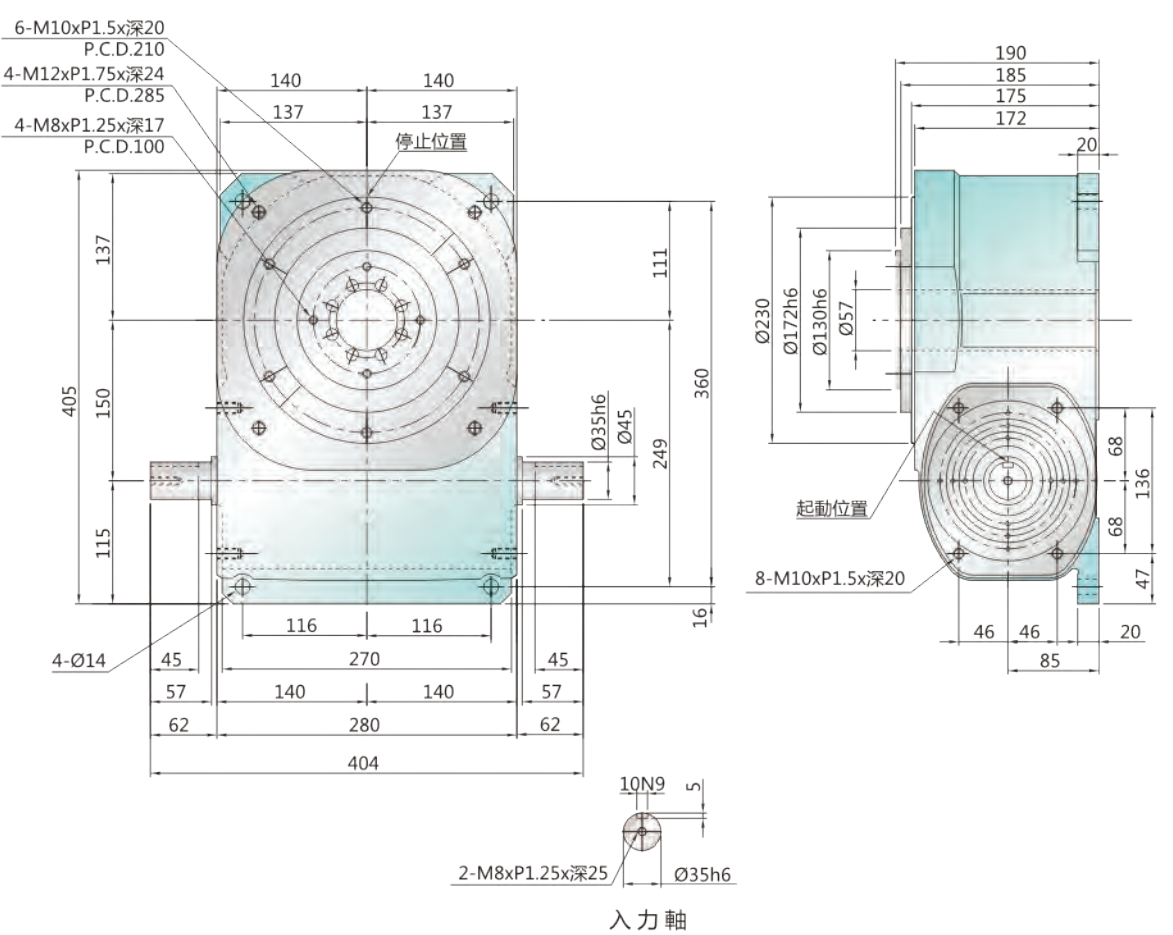
110DA

| 項目                       | 符號 | 單位                 | 數值                     |
|--------------------------|----|--------------------|------------------------|
| 出力軸容許徑向負荷                | C1 | kgf                | 700                    |
| 出力軸容許軸向負荷                | C2 | kgf                | 350                    |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表                  |
| 入力軸容許徑向負荷                | C3 | kgf                | 310                    |
| 入力軸最大彎曲力矩                | C4 | kgf                | 360                    |
| 入力軸最大扭矩                  | C5 | kgf-m              | 30                     |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 6.0 × 10 <sup>-3</sup> |
| 定位分割精度                   |    | sec.               | ± 30                   |
| 重量                       |    | kg                 | 42                     |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

150DA 超薄平臺桌面型



150DA

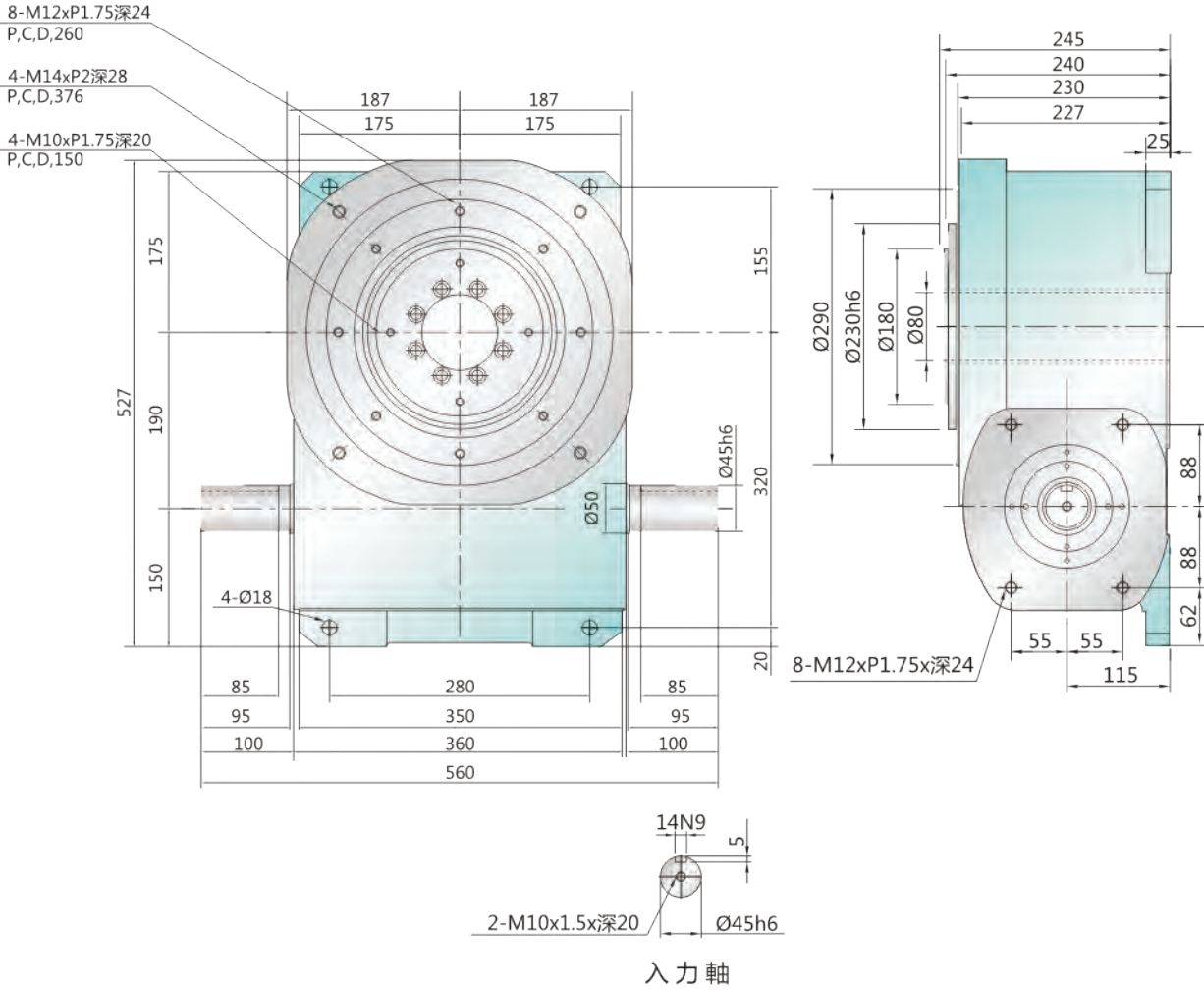
| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 1200  |
| 出力軸容許軸向負荷                | C2 | kgf                | 700   |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 410   |
| 入力軸最大彎曲力矩                | C4 | kgf                | 410   |
| 入力軸最大扭矩                  | C5 | kgf-m              | 40    |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 0.02  |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 86    |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。



超薄平臺桌面型 190DA



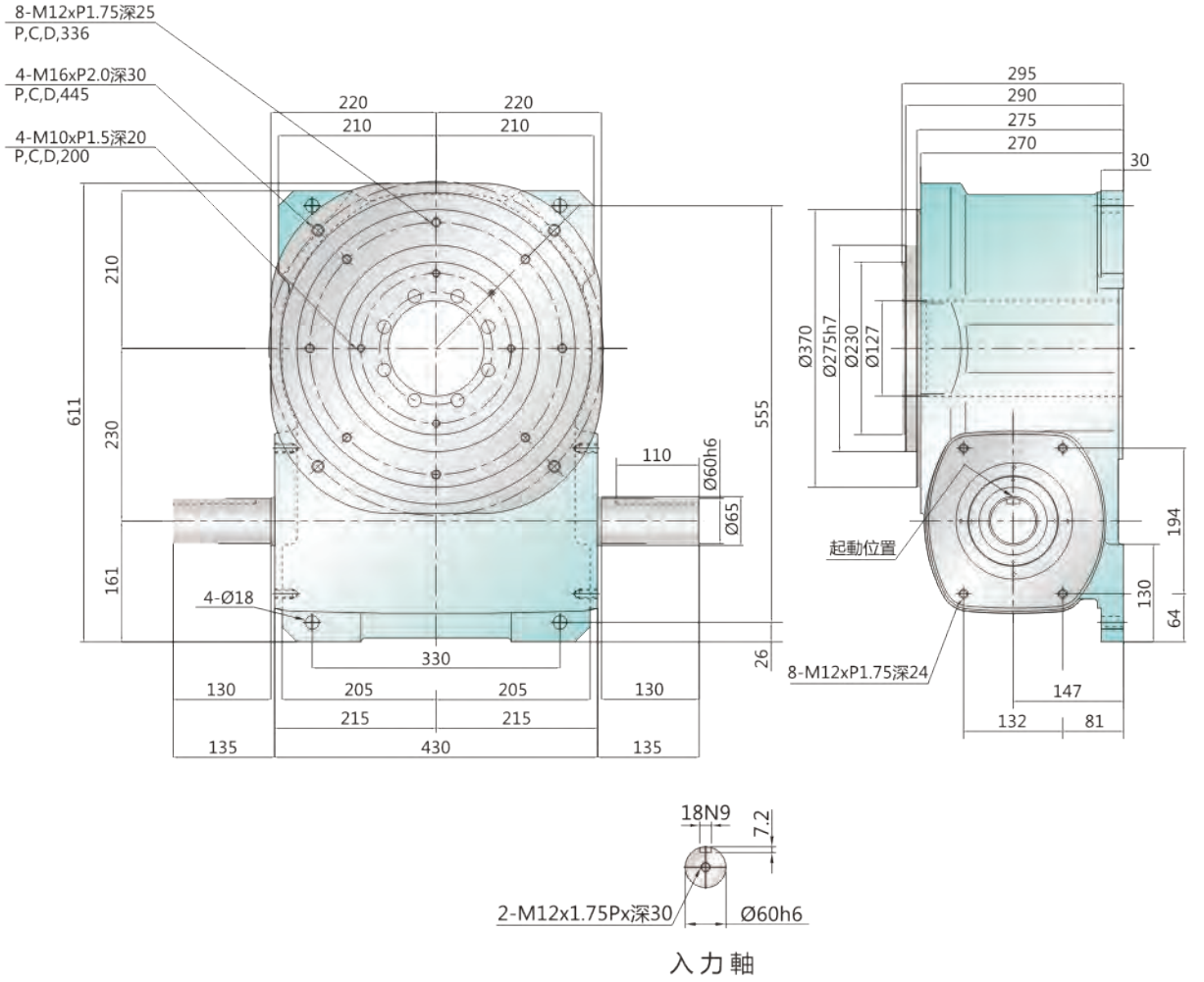
190DA

| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 1838  |
| 出力軸容許軸向負荷                | C2 | kgf                | 918   |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 510   |
| 入力軸最大彎曲力矩                | C4 | kgf                | 510   |
| 入力軸最大扭矩                  | C5 | kgf-m              | 61    |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 0.105 |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 180   |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

230DA 超薄平臺桌面型



230DA

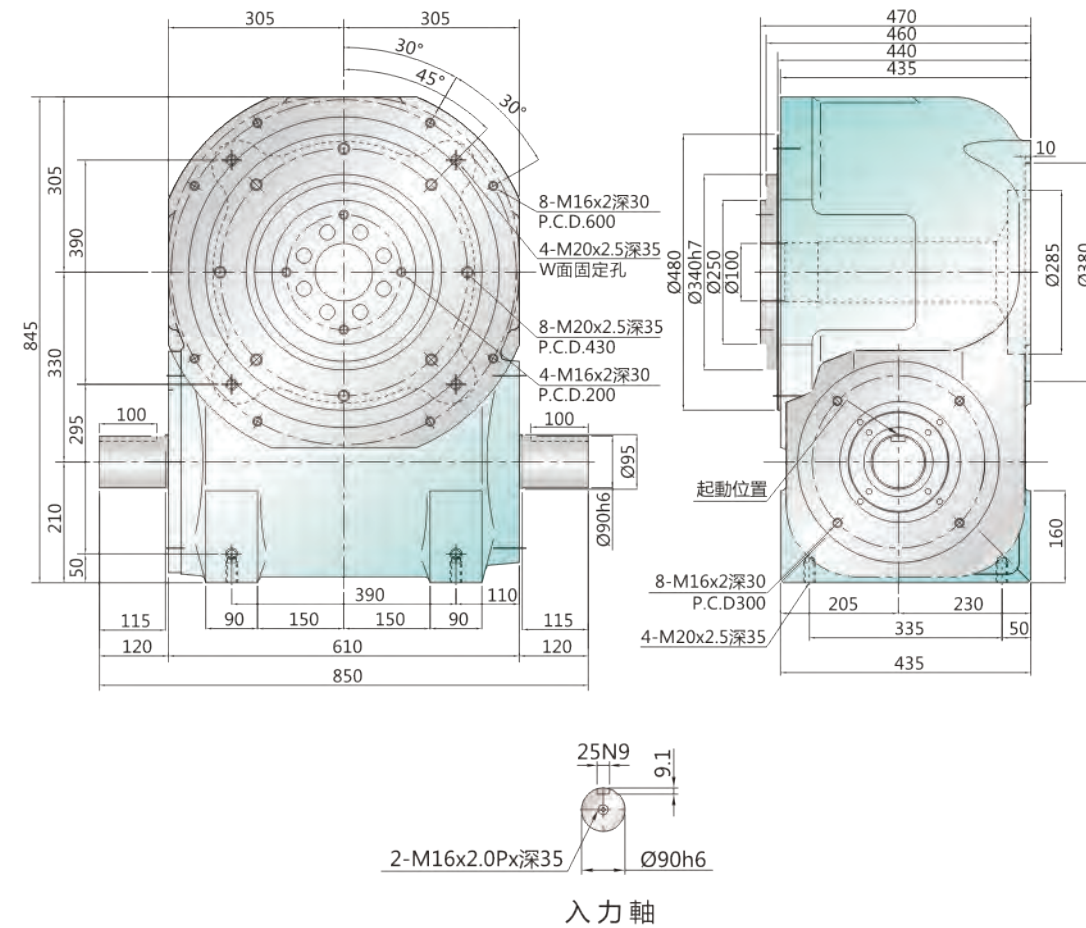
| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 2800  |
| 出力軸容許軸向負荷                | C2 | kgf                | 1300  |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 650   |
| 入力軸最大彎曲力矩                | C4 | kgf                | 650   |
| 入力軸最大扭矩                  | C5 | kgf-m              | 80    |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 0.136 |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 285   |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

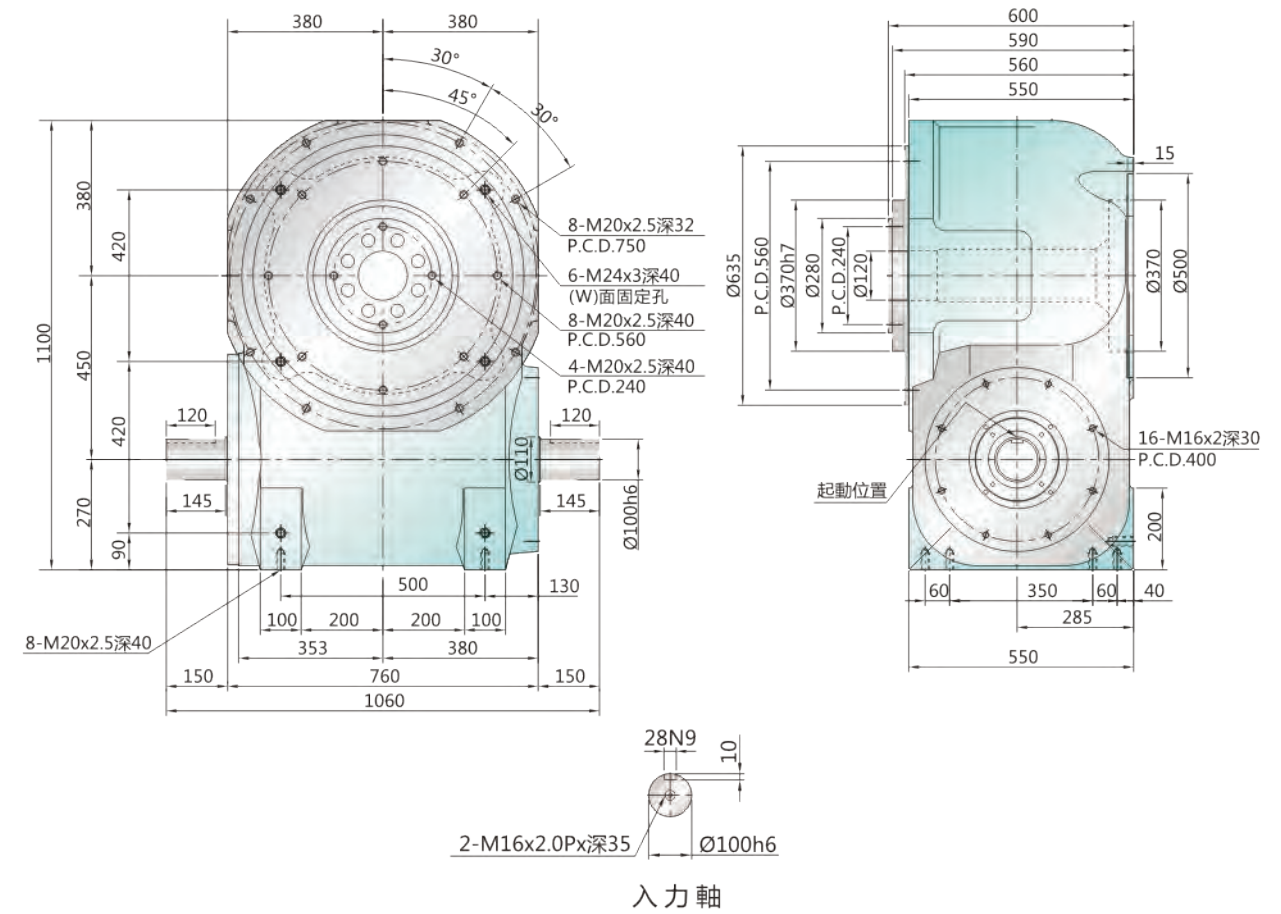


超薄平臺桌面型 330DA



入力軸

450DA 超薄平臺桌面型



入力軸

330DA

| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 3560  |
| 出力軸容許軸向負荷                | C2 | kgf                | 3430  |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 1880  |
| 入力軸最大彎曲力矩                | C4 | kgf                | 2150  |
| 入力軸最大扭矩                  | C5 | kgf-m              | 650   |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 1.71  |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 1000  |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

450DA

| 項目                       | 符號 | 單位                 | 數值    |
|--------------------------|----|--------------------|-------|
| 出力軸容許徑向負荷                | C1 | kgf                | 4850  |
| 出力軸容許軸向負荷                | C2 | kgf                | 4160  |
| 出力軸容許力矩                  | Ts | kgf-m              | 參考力矩表 |
| 入力軸容許徑向負荷                | C3 | kgf                | 2460  |
| 入力軸最大彎曲力矩                | C4 | kgf                | 2760  |
| 入力軸最大扭矩                  | C5 | kgf-m              | 860   |
| 入力軸的GD <sup>2</sup> (註1) | C6 | kgf-m <sup>2</sup> | 7.9   |
| 定位分割精度                   |    | sec.               | ± 30  |
| 重量                       |    | kg                 | 1600  |

(註1)  
入力軸的GD<sup>2</sup>是在停留範圍內的數值。

(註2)  
C1~C5數值是達到安全系數=2時的數值。

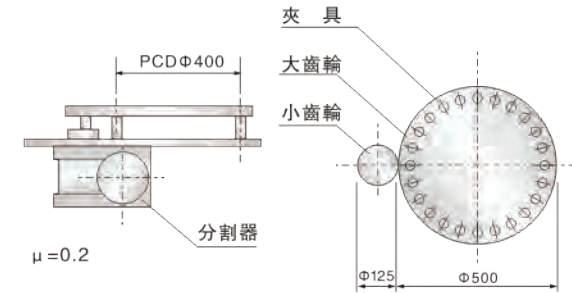




## 使用範例及計算-3

### 使用範例及計算

例三、使用於間接傳動回轉圓盤選用適當大小及規格間歇分割器及所需動用之馬達，請依據下列之計算參考圖所示：



間歇分割器設計資料：

- (1) 間歇分割定位等份：N=6
- (2) 每等份回轉時間：秒
- (3) 入力軸之回數：n=80rpm
- (4) 凸輪曲綫：變形正弦曲綫
- (5) 小齒輪外徑125mm，大齒輪外徑500mm
- (6) 小齒輪之重量：3kg
- (7) 大齒輪之重量：20kg
- (8) 治具總重量：120kg
- (9) 治具數量N1：24個
- (10) 摩擦係數：0.2
- (11) 治具固定於節圓直徑400%
- (12) 轉盤依靠其底部之滑動面支持本身重量負荷，有效半徑：R=200mm
- (13) 轉位角度 θ h=120°

### 解答

3-1 間歇分割定位等份：N=6

3-2 轉位角度 θ h=120°

3-3 入力轉數：n=80rpm

3-4 凸輪曲綫系變形之正弦曲綫，因此Vm=1.76, Am=5.53, Qm=0.99

3-5 負載扭矩：Tt

### (1) 靜扭矩(慣性扭矩)：Ti

(a) 小齒輪慣性矩：I<sub>1</sub>，大齒輪慣性矩：I<sub>2</sub>，治具慣性矩：I<sub>3</sub>

$$T_1 = \frac{WR^2}{2G} = \frac{3 \times 0.0625^2}{2 \times 9.8} = 0.00059 (\text{kg} \cdot \text{m} \cdot \text{s}^2)$$

$$T_2 = \frac{WR^2}{2G} = \frac{20 \times 0.25^2}{2 \times 9.8} = 0.063 (\text{kg} \cdot \text{m} \cdot \text{s}^2)$$

$$T_3 = \frac{WR^2}{G} = \frac{120 \times 0.2^2}{9.8} = 0.48 (\text{kg} \cdot \text{m} \cdot \text{s}^2)$$

(b) 出力軸最大角加速度：α

$$\alpha_1 = A_m \times \frac{2\pi}{N} \times \left( \frac{360}{\theta h} \times \frac{n}{60} \right)^2 = 5.53 \times \frac{2\pi}{6} \times \left( \frac{360}{120} \times \frac{80}{60} \right)^2 = 92.66 (\text{rad/s}^2)$$

$$\alpha_2 = A_m \times \frac{2\pi}{N} \times \left( \frac{360}{\theta h} \times \frac{n}{60} \right)^2 = 5.53 \times \frac{2\pi}{24} \times \left( \frac{360}{120} \times \frac{80}{60} \right)^2 = 23.16 (\text{rad/s}^2)$$

(c) 靜扭矩(慣性扭矩)：Ti=(Ti<sub>1</sub>+Ti<sub>2</sub>)

$$Ti_1 = I_1 \cdot \alpha_1 = 0.00059 \times 92.66 = 0.054 (\text{kg} \cdot \text{m})$$

$$Ti_2 = (I_2 + I_3) \left( \frac{N}{N_1} \right)^2 \alpha_2 = (0.063 + 0.48) \times \left( \frac{6}{24} \right)^2 \times 23.16 = 3.14 (\text{kg} \cdot \text{m})$$

$$Ti = Ti_1 + Ti_2 = 0.054 + 3.14 = 3.19 (\text{kg} \cdot \text{m})$$

### (2) 摩擦扭矩：Tf

$$Tf = U \times W \times R \times \left( \frac{N}{N_1} \right) = 0.2 \times (20 + 120) \times \left( \frac{20}{100} \right) \times \left( \frac{6}{24} \right) = 1.4 (\text{kg} \cdot \text{m})$$

### (3) 工作扭矩：Tw (在間歇分割時沒有作功，因此Tw=0)

### (4) 以上總負載扭矩：Tt

$$Tt = Ti + Tf + Tw = 3.19 + 1.4 + 0 = 4.59 (\text{kg} \cdot \text{m})$$

3-6 實際負載扭矩：Te，安全負載之因數fc=1.5

$$Te = Tt \cdot fc = 4.59 \times 1.5 = 6.885 (\text{kg} \cdot \text{m})$$

3-7 入力軸扭矩：Tc 注：入力軸起動負載扭矩視為0，因此Tca=0

$$Tc = \frac{360}{\theta h \cdot N} \cdot Qm \cdot Te + Tca = \frac{360}{6 \times 120} \times 0.99 \times 6.885 = 3.4$$

3-8 計算所需之馬力：P

$$P = \frac{Tc \times n}{716 \times \eta} (\text{HP}) \text{ 或 } P = \frac{Tc \times n}{975 \times \eta} (\text{kw})$$

$$\text{假設效率 } \eta = 60\% \text{ 那麼 } P = \frac{3.4 \times 80}{716 \times 0.6} = 0.63 (\text{HP}) \text{ 或 } P = \frac{3.4 \times 80}{975 \times 0.6} = 0.46 (\text{kw})$$

事實上，以上所計算之值為起動時之最大馬力，而連續傳動所需之馬力為1/2。

3-9 選擇適用之間歇分割器：根據以上所計算之資料及入力軸之轉數80rpm來選擇，請參考說明書上所記載

凡是出力軸扭矩高於以上所計算之Te值者均可適用。因為Te=6.885(kg·m)，所以應採用RU-80DS。

注：我司建議安全因素的考量  
入力軸轉速低於30rpm時，以30rpm計算  
當驅動角度90°時，安全負載之因素fc=2.0計算

Indexing Solutions

SAFDEx drives

Memo



DS.DF型

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 規格   | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)<br>分割迴轉速N(rpm) |      |      |      | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|------|----------------------|----------------------------|------|------|------|------------------|
|               |               |      |                      | 動扭力 (kgf-m)<br>分割迴轉速N(rpm) |      |      |      |                  |
|               |               |      |                      | 50                         | 100  | 150  | 200  |                  |
| 2             | 150           | 25D  | 0.11                 | 0.05                       | 0.04 | 0.04 | 0.03 | 5                |
|               |               | 32D  | 0.27                 | 0.13                       | 0.10 | 0.09 | 0.08 | 6                |
|               | 180           | 25D  | 0.11                 | 0.06                       | 0.05 | 0.04 | 0.04 | 5                |
|               |               | 32D  | 0.27                 | 0.15                       | 0.12 | 0.10 | 0.09 | 6                |
|               | 210           | 25D  | 0.11                 | 0.07                       | 0.05 | 0.04 | 0.04 | 5                |
|               |               | 32D  | 0.27                 | 0.17                       | 0.13 | 0.11 | 0.10 | 6                |
|               | 240           | 25D  | 0.11                 | 0.07                       | 0.06 | 0.05 | 0.04 | 5                |
|               |               | 32D  | 0.27                 | 0.18                       | 0.14 | 0.12 | 0.10 | 6                |
|               | 270           | 25D  | 0.11                 | 0.07                       | 0.06 | 0.05 | 0.05 | 5                |
|               |               | 32D  | 0.27                 | 0.19                       | 0.15 | 0.12 | 0.11 | 6                |
|               |               | 38D  | 0.67                 | 0.21                       | 0.17 | 0.15 | 0.14 | 8                |
|               | 300           | 25D  | 0.21                 | 0.12                       | 0.09 | 0.08 | 0.07 | 5                |
| 32D           |               | 0.48 | 0.27                 | 0.21                       | 0.18 | 0.16 | 6    |                  |
| 38D           |               | 0.71 | 0.21                 | 0.17                       | 0.15 | 0.14 | 8    |                  |
| 3             | 120           | 25D  | 0.11                 | 0.60                       | 0.50 | 0.39 | 0.35 | 5                |
|               |               | 32D  | 0.27                 | 0.15                       | 0.11 | 0.09 | 0.08 | 6                |
|               | 150           | 25D  | 0.11                 | 0.69                       | 0.52 | 0.45 | 0.40 | 5                |
|               |               | 32D  | 0.27                 | 0.17                       | 0.13 | 0.11 | 0.09 | 6                |
|               | 180           | 25D  | 0.11                 | 0.08                       | 0.07 | 0.05 | 0.04 | 5                |
|               |               | 32D  | 0.27                 | 0.19                       | 0.14 | 0.12 | 0.11 | 6                |
|               |               | 38D  | 0.67                 | 0.25                       | 0.20 | 0.18 | 0.16 | 8                |
|               | 210           | 25D  | 0.21                 | 0.12                       | 0.09 | 0.08 | 0.07 | 5                |
|               |               | 32D  | 0.48                 | 0.27                       | 0.21 | 0.18 | 0.16 | 6                |
|               |               | 38D  | 0.73                 | 0.26                       | 0.21 | 0.19 | 0.17 | 8                |
|               | 240           | 25D  | 0.21                 | 0.14                       | 0.11 | 0.09 | 0.08 | 5                |
|               |               | 32D  | 0.48                 | 0.30                       | 0.23 | 0.20 | 0.18 | 6                |
| 38D           |               | 0.96 | 0.33                 | 0.27                       | 0.24 | 0.22 | 8    |                  |
| 270           | 25D           | 0.21 | 0.14                 | 0.11                       | 0.10 | 0.09 | 5    |                  |
|               | 32D           | 0.76 | 0.50                 | 0.38                       | 0.33 | 0.29 | 6    |                  |
|               | 38D           | 1.04 | 0.34                 | 0.28                       | 0.25 | 0.22 | 8    |                  |
| 4             | 90            | 25D  | 0.14                 | 0.08                       | 0.06 | 0.05 | 0.04 | 5                |
|               |               | 32D  | 0.11                 | 0.07                       | 0.05 | 0.05 | 0.04 | 6                |
|               |               | 38D  | 0.14                 | 0.09                       | 0.07 | 0.06 | 0.05 | 8                |
|               | 120           | 25D  | 0.15                 | 0.08                       | 0.06 | 0.05 | 0.05 | 5                |
|               |               | 32D  | 0.27                 | 0.15                       | 0.11 | 0.10 | 0.09 | 6                |
|               | 150           | 25D  | 0.15                 | 0.09                       | 0.07 | 0.06 | 0.05 | 5                |
|               |               | 32D  | 0.27                 | 0.17                       | 0.13 | 0.11 | 0.10 | 6                |
|               |               | 38D  | 0.79                 | 0.32                       | 0.26 | 0.23 | 0.21 | 8                |
|               | 180           | 25D  | 0.21                 | 0.14                       | 0.11 | 0.09 | 0.08 | 5                |
|               |               | 32D  | 0.48                 | 0.32                       | 0.24 | 0.21 | 0.19 | 6                |
|               |               | 38D  | 0.85                 | 0.33                       | 0.27 | 0.23 | 0.22 | 8                |
|               | 240           | 25D  | 0.21                 | 0.15                       | 0.11 | 0.10 | 0.09 | 5                |
| 32D           |               | 0.48 | 0.34                 | 0.26                       | 0.22 | 0.20 | 6    |                  |
| 38D           |               | 0.89 | 0.33                 | 0.27                       | 0.24 | 0.22 | 8    |                  |
| 270           | 25D           | 0.21 | 0.16                 | 0.12                       | 0.10 | 0.09 | 5    |                  |
|               | 32D           | 0.48 | 0.36                 | 0.28                       | 0.24 | 0.21 | 6    |                  |
|               | 38D           | 0.93 | 0.33                 | 0.27                       | 0.24 | 0.22 | 8    |                  |
| 6             | 90            | 25D  | 0.11                 | 0.07                       | 0.06 | 0.05 | 0.04 | 5                |
|               |               | 32D  | 0.28                 | 0.18                       | 0.14 | 0.12 | 0.11 | 6                |
|               |               | 38D  | 0.67                 | 0.34                       | 0.27 | 0.24 | 0.22 | 10               |

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 規格   | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)<br>分割迴轉速N(rpm) |      |      |      | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|------|----------------------|----------------------------|------|------|------|------------------|
|               |               |      |                      | 動扭力 (kgf-m)<br>分割迴轉速N(rpm) |      |      |      |                  |
|               |               |      |                      | 50                         | 100  | 150  | 200  |                  |
| 6             | 120           | 25D  | 0.29                 | 0.18                       | 0.13 | 0.11 | 0.10 | 5                |
|               |               | 32D  | 0.76                 | 0.45                       | 0.34 | 0.30 | 0.26 | 6                |
|               |               | 38D  | 0.96                 | 0.45                       | 0.36 | 0.32 | 0.30 | 10               |
|               | 150           | 25D  | 0.38                 | 0.26                       | 0.20 | 0.17 | 0.15 | 5                |
|               |               | 32D  | 0.76                 | 0.51                       | 0.39 | 0.33 | 0.30 | 6                |
|               |               | 38D  | 1.10                 | 0.48                       | 0.39 | 0.34 | 0.32 | 10               |
|               | 180           | 25D  | 0.38                 | 0.28                       | 0.21 | 0.18 | 0.16 | 5                |
|               |               | 32D  | 0.76                 | 0.55                       | 0.42 | 0.36 | 0.32 | 6                |
|               |               | 38D  | 1.89                 | 0.78                       | 0.63 | 0.56 | 0.51 | 10               |
|               | 210           | 25D  | 0.38                 | 0.30                       | 0.23 | 0.19 | 0.14 | 5                |
|               |               | 32D  | 0.76                 | 0.59                       | 0.45 | 0.38 | 0.34 | 6                |
|               |               | 38D  | 2.00                 | 0.79                       | 0.64 | 0.57 | 0.52 | 10               |
| 240           | 25D           | 0.38 | 0.31                 | 0.24                       | 0.20 | 0.18 | 5    |                  |
|               | 32D           | 0.75 | 0.61                 | 0.47                       | 0.40 | 0.36 | 6    |                  |
|               | 38D           | 2.09 | 0.79                 | 0.64                       | 0.57 | 0.52 | 10   |                  |
| 8             | 270           | 25D  | 0.38                 | 0.31                       | 0.24 | 0.20 | 0.19 | 5                |
|               |               | 32D  | 0.75                 | 0.63                       | 0.48 | 0.41 | 0.37 | 6                |
|               |               | 38D  | 2.15                 | 0.78                       | 0.64 | 0.56 | 0.52 | 10               |
|               | 90            | 25D  | 0.21                 | 0.12                       | 0.10 | 0.08 | 0.07 | 5                |
|               |               | 32D  | 0.48                 | 0.29                       | 0.22 | 0.19 | 0.17 | 6                |
|               | 120           | 25D  | 0.21                 | 0.15                       | 0.11 | 0.10 | 0.09 | 5                |
|               |               | 32D  | 0.48                 | 0.33                       | 0.26 | 0.22 | 0.19 | 6                |
|               | 150           | 25D  | 0.21                 | 0.16                       | 0.12 | 0.11 | 0.94 | 5                |
|               |               | 32D  | 0.48                 | 0.37                       | 0.28 | 0.24 | 0.21 | 6                |
|               | 180           | 25D  | 0.21                 | 0.17                       | 0.13 | 0.11 | 0.10 | 5                |
|               |               | 32D  | 0.48                 | 0.39                       | 0.30 | 0.25 | 0.23 | 6                |
|               | 210           | 25D  | 0.21                 | 0.17                       | 0.14 | 0.12 | 0.10 | 5                |
| 32D           |               | 0.48 | 0.40                 | 0.31                       | 0.26 | 0.24 | 6    |                  |
| 12            | 240           | 25D  | 0.21                 | 0.18                       | 0.14 | 0.12 | 0.10 | 5                |
|               |               | 32D  | 0.48                 | 0.42                       | 0.31 | 0.27 | 0.24 | 6                |
|               |               | 38D  | 1.20                 | 1.53                       | 0.43 | 0.38 | 0.35 | 8                |
|               | 270           | 25D  | 0.21                 | 0.19                       | 0.14 | 0.12 | 0.11 | 5                |
|               |               | 32D  | 0.48                 | 0.43                       | 0.33 | 0.28 | 0.25 | 6                |
|               |               | 38D  | 1.22                 | 0.52                       | 0.42 | 0.37 | 0.34 | 8                |
|               | 90            | 32D  | 0.18                 | 0.13                       | 0.10 | 0.09 | 0.08 | 6                |
|               |               | 38D  | 0.25                 | 0.16                       | 0.13 | 0.11 | 0.10 | 6                |
|               | 120           | 32D  | 0.18                 | 0.15                       | 0.11 | 0.10 | 0.09 | 5                |
|               |               | 38D  | 1.05                 | 0.60                       | 0.49 | 0.43 | 0.40 | 6                |
|               | 150           | 32D  | 0.18                 | 0.16                       | 0.12 | 0.10 | 0.09 | 5                |
|               |               | 38D  | 1.15                 | 0.61                       | 0.50 | 0.44 | 0.40 | 6                |
| 180           | 32D           | 0.18 | 0.16                 | 0.12                       | 0.10 | 0.09 | 5    |                  |
|               | 38D           | 1.21 | 0.61                 | 0.50                       | 0.44 | 0.40 | 6    |                  |
| 210           | 32D           | 0.18 | 0.16                 | 0.12                       | 0.11 | 0.10 | 5    |                  |
|               | 38D           | 1.25 | 0.60                 | 0.49                       | 0.44 | 0.40 | 6    |                  |
| 240           | 32D           | 0.18 | 0.17                 | 0.13                       | 0.11 | 0.10 | 5    |                  |
|               | 38D           | 1.28 | 0.60                 | 0.48                       | 0.43 | 0.39 | 6    |                  |
| 270           | 32D           | 0.18 | 0.17                 | 0.13                       | 0.11 | 0.10 | 5    |                  |
|               | 38D           | 1.30 | 0.58                 | 0.47                       | 0.42 | 0.39 | 6    |                  |



DS.DF型

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 規格     | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)<br>分割迴轉速N(rpm) |       |       |       |       |       |       |      | 摩擦<br>扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|--------|----------------------|----------------------------|-------|-------|-------|-------|-------|-------|------|---------------------------|------------------|
|               |               |        |                      |                            |       |       |       |       |       |       |      |                           |                  |
|               |               |        |                      | 50                         | 100   | 150   | 200   | 300   | 400   | 500   | 700  |                           |                  |
| 6             | 270           | 110D   | 94.1                 | 36.4                       | 29.6  | 26.2  | 24.0  | 21.3  | 19.5  | 18.3  | 16.5 | 1.3                       | 30               |
|               |               | 140D   | 143.6                | 52.7                       | 42.8  | 37.9  | 34.8  | 30.8  | 28.2  | 26.4  | 23.9 | 1.8                       | 40               |
|               |               | 180D   | 414.0                | 164.2                      | 133.4 | 118.1 | 108.4 | 96.0  | 88.0  | 82.3  | 74.4 | 3.8                       | 60               |
|               |               | 250D   | 995.3                | 402.0                      | 326.5 | 289.1 | 265.2 | 234.8 | 215.4 | 201.5 |      | 7.1                       | 80               |
|               | 300           | 45D    | 3.97                 | 1.49                       | 1.21  | 1.07  | 0.98  | 0.87  | 0.80  | 0.75  | 0.68 | 0.10                      | 13               |
|               |               | 60D    | 14.68                | 5.06                       | 4.11  | 3.64  | 3.34  | 2.96  | 2.71  | 2.54  | 2.29 | 0.23                      | 16               |
|               |               | 70D    | 19.1                 | 7.1                        | 5.8   | 5.1   | 4.7   | 4.1   | 3.6   | 3.6   | 3.2  | 0.3                       | 22               |
|               |               | 80D    | 46.4                 | 17.5                       | 14.2  | 12.6  | 11.6  | 10.2  | 9.4   | 8.8   | 7.9  | 0.7                       | 26               |
|               |               | 83D    | 48.3                 | 18.2                       | 15.1  | 13.6  | 12.4  | 11.8  | 10.5  | 9.2   | 8.4  | 0.8                       | 26               |
|               |               | 100D   | 62.5                 | 30.5                       | 24.3  | 22.1  | 20.6  | 18.7  | 16.8  | 15.4  | 14.2 | 1.1                       | 26               |
|               |               | 110D   | 95.6                 | 35.6                       | 28.9  | 25.6  | 23.5  | 20.8  | 19.1  | 17.8  | 16.1 | 1.3                       | 30               |
|               |               | 140D   | 145.4                | 51.4                       | 41.7  | 36.9  | 33.9  | 30.0  | 27.5  | 25.7  | 23.3 | 1.7                       | 40               |
|               | 330           | 180D   | 421.0                | 160.5                      | 130.3 | 115.4 | 105.9 | 93.7  | 86.0  | 80.4  | 72.7 | 3.8                       | 60               |
|               |               | 250D   | 1018.5               | 394.0                      | 320.0 | 283.4 | 259.9 | 230.2 | 211.1 | 197.5 |      | 6.9                       | 80               |
|               |               | 45D    | 4.03                 | 1.46                       | 1.18  | 1.05  | 0.96  | 0.85  | 0.78  | 0.73  | 0.66 | 0.09                      | 13               |
|               |               | 60D    | 14.82                | 4.94                       | 4.01  | 3.55  | 3.26  | 2.89  | 2.65  | 2.48  | 2.24 | 0.22                      | 16               |
|               |               | 70D    | 19.4                 | 6.9                        | 5.6   | 5.00  | 4.6   | 4.1   | 3.7   | 3.5   | 3.1  | 0.3                       | 22               |
|               |               | 80D    | 47.0                 | 17.1                       | 13.9  | 12.3  | 11.3  | 10.0  | 9.2   | 8.6   | 7.8  | 0.7                       | 26               |
|               |               | 83D    | 49.3                 | 18.0                       | 14.9  | 13.4  | 12.1  | 11.5  | 10.2  | 8.9   | 8.1  | 0.8                       | 26               |
|               |               | 100D   | 64.2                 | 30.2                       | 23.7  | 21.8  | 21.2  | 18.4  | 16.5  | 15.1  | 13.6 | 1.1                       | 26               |
| 90            | 110D          | 96.7   | 34.8                 | 28.2                       | 25.0  | 22.9  | 20.3  | 18.6  | 17.4  | 15.8  | 1.2  | 30                        |                  |
|               | 140D          | 146.8  | 55.2                 | 40.7                       | 36.1  | 33.1  | 29.3  | 26.9  | 25.1  | 22.7  | 1.7  | 40                        |                  |
|               | 180D          | 426.4  | 156.9                | 127.5                      | 112.9 | 103.5 | 91.7  | 84.1  | 78.7  | 71.1  | 3.7  | 60                        |                  |
|               | 250D          | 1036.8 | 386.3                | 313.8                      | 277.8 | 254.9 | 225.7 | 207.0 | 193.6 |       | 6.8  | 80                        |                  |
|               | 45D           | 1.50   | 0.96                 | 0.78                       | 0.69  | 0.63  | 0.56  | 0.51  | 0.48  |       | 0.09 | 12                        |                  |
|               | 60D           | 2.06   | 1.11                 | 0.90                       | 0.80  | 0.73  | 0.65  | 0.60  | 0.56  |       | 0.13 | 14                        |                  |
|               | 70D           | 12.6   | 6.9                  | 6.3                        | 5.6   | 5.2   | 4.6   | 4.2   | 3.9   | 3.5   | 0.4  | 16                        |                  |
|               | 80D           | 21.5   | 11.4                 | 11.4                       | 10.2  | 9.4   | 8.3   | 7.6   | 7.1   |       | 0.7  | 19                        |                  |
| 120           | 83D           | 23.2   | 13.5                 | 13.1                       | 12.6  | 11.5  | 10.4  | 9.3   | 8.4   |       | 0.8  | 22                        |                  |
|               | 100D          | 34.5   | 28.1                 | 23.2                       | 21.1  | 19.2  | 16.3  | 14.8  |       |       | 1.1  | 26                        |                  |
|               | 110D          | 48.2   | 30.6                 | 24.8                       | 22.0  | 20.2  | 17.9  | 16.4  |       |       | 1.2  | 26                        |                  |
|               | 140D          | 74.5   | 44.3                 | 36.0                       | 31.9  | 29.2  | 25.9  |       |       |       | 1.7  | 35                        |                  |
|               | 180D          | 149.2  | 90.2                 | 73.2                       | 64.8  | 59.5  |       |       |       |       | 3.0  | 40                        |                  |
|               | 250D          | 327.0  | 208.1                | 169.0                      | 149.7 |       |       |       |       |       | 5.3  | 52                        |                  |
|               | 45D           | 2.15   | 1.25                 | 1.02                       | 0.90  | 0.83  | 0.73  | 0.67  | 0.63  | 0.57  | 0.10 | 12                        |                  |
|               | 60D           | 5.29   | 2.65                 | 2.15                       | 1.91  | 1.75  | 1.55  | 1.42  | 1.33  | 1.20  | 0.18 | 14                        |                  |
| 150           | 70D           | 14.2   | 7.4                  | 6.2                        | 5.5   | 5.0   | 4.4   | 4.1   | 3.8   | 3.5   | 0.4  | 16                        |                  |
|               | 80D           | 24.7   | 11.9                 | 11.0                       | 9.7   | 8.9   | 7.9   | 7.2   | 6.8   | 6.1   | 0.6  | 19                        |                  |
|               | 83D           | 26.5   | 13.2                 | 12.3                       | 11.0  | 10.1  | 9.1   | 8.4   | 8.0   | 7.3   | 0.7  | 22                        |                  |
|               | 100D          | 36.3   | 21.2                 | 16.6                       | 13.8  | 12.0  | 10.1  | 9.3   | 8.4   |       | 1.0  | 26                        |                  |
|               | 110D          | 54.7   | 29.9                 | 24.3                       | 21.5  | 19.7  | 17.5  | 16.0  | 15.0  |       | 1.1  | 26                        |                  |
|               | 140D          | 86.6   | 45.6                 | 37.1                       | 32.8  | 30.1  | 26.7  | 24.5  | 22.9  |       | 1.6  | 35                        |                  |
|               | 180D          | 167.3  | 87.6                 | 71.2                       | 63.0  | 57.8  | 51.2  |       |       |       | 2.8  | 52                        |                  |
|               | 250D          | 503.2  | 290.2                | 235.7                      | 208.7 | 191.4 |       |       |       |       | 5.7  | 60                        |                  |
| 180           | 45D           | 2.33   | 1.22                 | 0.99                       | 0.88  | 0.81  | 0.71  | 0.65  | 0.61  | 0.55  | 0.09 | 12                        |                  |
|               | 60D           | 5.52   | 2.53                 | 2.06                       | 1.82  | 1.67  | 1.48  | 1.36  | 1.27  | 1.15  | 0.17 | 14                        |                  |
|               | 70D           | 15.2   | 7.4                  | 6.0                        | 5.3   | 4.9   | 4.3   | 3.9   | 3.7   | 3.3   | 0.3  | 16                        |                  |
|               | 80D           | 26.5   | 12.3                 | 10.6                       | 9.4   | 8.6   | 7.7   | 7.0   | 6.6   | 5.9   | 0.6  | 19                        |                  |
|               | 83D           | 28.4   | 14.6                 | 12.9                       | 11.7  | 10.9  | 10.0  | 9.2   | 8.4   | 7.4   | 0.7  | 22                        |                  |
|               | 100D          | 38.5   | 20.5                 | 16.1                       | 13.4  | 11.3  | 10.6  | 10.1  | 9.5   |       | 0.9  | 26                        |                  |
|               | 110D          | 58.7   | 29.0                 | 23.5                       | 20.8  | 19.1  | 16.9  | 15.5  | 14.5  |       | 1.0  | 26                        |                  |
|               | 140D          | 92.2   | 44.1                 | 35.8                       | 31.7  | 29.1  | 25.7  | 23.6  | 22.1  |       | 1.4  | 35                        |                  |
| 210           | 180D          | 246.6  | 125.5                | 102.0                      | 90.3  | 82.8  | 73.3  | 67.3  | 62.9  |       | 3.1  | 52                        |                  |
|               | 250D          | 549.1  | 283.5                | 230.3                      | 203.9 | 187.0 | 165.6 |       |       |       | 5.3  | 60                        |                  |
|               | 45D           | 2.44   | 1.18                 | 0.96                       | 0.85  | 0.78  | 0.69  | 0.63  | 0.59  | 0.54  | 0.09 | 12                        |                  |
|               | 60D           | 5.66   | 2.43                 | 1.97                       | 1.75  | 1.60  | 1.42  | 1.30  | 1.22  | 1.10  | 0.17 | 14                        |                  |
|               | 70D           | 16.8   | 8.0                  | 6.5                        | 5.8   | 5.3   | 4.7   | 4.3   | 4.0   | 3.6   | 0.13 | 16                        |                  |
|               | 80D           | 30.4   | 14.7                 | 11.9                       | 10.5  | 9.7   | 8.6   | 7.9   | 7.3   | 6.6   | 0.6  | 19                        |                  |
|               | 83D           | 32.3   | 17.1                 | 13.4                       | 12.1  | 11.3  | 10.4  | 9.6   | 8.8   | 7.8   | 0.7  | 22                        |                  |
|               | 100D          | 40.6   | 24.3                 | 16.6                       | 13.8  | 12.3  | 11.2  | 10.6  | 9.4   | 8.5   | 1.0  | 26                        |                  |
| 240           | 110D          | 74.3   | 35.7                 | 29.0                       | 25.7  | 23.6  | 20.9  | 19.1  | 17.9  | 16.2  | 1.1  | 26                        |                  |
|               | 140D          | 113.4  | 51.4                 | 41.8                       | 37.0  | 33.9  | 30.0  | 27.5  | 25.8  | 23.3  | 1.6  | 35                        |                  |
|               | 180D          | 257.3  | 121.4                | 98.6                       | 87.3  | 80.1  | 70.9  | 65.1  | 60.9  |       | 2.9  | 52                        |                  |
|               | 250D          | 737.9  | 373.0                | 303.0                      | 268.3 | 246.1 | 217.9 | 199.9 |       |       | 5.8  | 60                        |                  |
|               | 45D           | 2.52   | 1.15                 | 0.93                       | 0.83  | 0.76  | 0.67  | 0.62  | 0.58  | 0.52  | 0.09 | 12                        |                  |
|               | 60D           | 5.75   | 2.33                 | 1.90                       | 1.68  | 1.54  | 1.36  | 1.25  | 1.17  | 1.06  | 0.16 | 14                        |                  |
|               | 70D           | 17.3   | 7.7                  | 6.3                        | 5.6   | 5.1   | 4.5   | 4.2   | 3.9   | 3.5   | 0.3  | 16                        |                  |
|               | 80D           | 31.3   | 14.2                 | 11.5                       | 10.2  | 9.4   | 8.3   | 7.6   | 7.1   | 6.4   | 0.6  | 19                        |                  |
| 270           | 83D           | 34.3   | 16.8                 | 13.1                       | 11.8  | 10.2  | 9.6   | 8.4   | 7.8   | 6.6   | 0.7  | 22                        |                  |
|               | 100D          | 42.5   | 23.4                 | 16.4                       | 13.2  | 11.5  | 10.3  | 8.6   | 8.2   | 7.2   | 1.0  | 26                        |                  |
|               | 110D          | 76.5   | 34.6                 | 28.1                       | 24.9  | 22.8  | 20.2  | 18.5  | 17.3  | 15.7  | 1.1  | 26                        |                  |
|               | 140D          | 115.9  | 49.6                 | 40.3                       | 35.7  | 32.7  | 29.0  | 26.6  | 24.9  | 22.5  | 1.5  | 35                        |                  |
|               | 180D          | 264.5  | 138.7                | 112.7                      | 99.8  | 91.5  | 81.0  | 74.3  | 69.5  | 62.8  | 3.1  | 52                        |                  |
|               | 250D          | 767.6  | 353.1                | 286.8                      | 254.0 | 233.0 | 206.3 | 189.2 | 177.0 |       | 5.5  | 60                        |                  |
|               | 45D           | 2.62   | 1.06                 | 0.86                       | 0.76  | 0.70  | 0.62  | 0.57  | 0.53  | 0.48  | 0.08 | 12                        |                  |
|               | 60D           | 5.81   | 2.25                 | 1.83                       | 1.62  | 1.49  | 1.32  | 1.21  | 1.13  | 1.02  | 0.16 | 14                        |                  |
| 70D           | 17.6          | 7.5    | 6.1                  | 5.4                        | 5.0   | 4.4   | 4.0   | 3.8   | 3.4   | 0.3   | 16   |                           |                  |
| 80D           | 31.9          | 13.8   | 11.2                 | 9.9                        | 9.1   | 8.0   | 7.4   | 6.9   | 6.2   | 0.6   | 19   |                           |                  |
| 83D           | 34.7          | 15.4   | 12.8                 | 11.4                       | 10.1  | 9.4   | 8.2   | 7.4   | 6.5   | 0.7   | 22   |                           |                  |
| 100D          | 43.1          | 22.8   | 16.2                 | 13.0                       | 11.1  | 10.1  | 8.4   | 8.0   | 6.8   | 1.0   | 26   |                           |                  |
| 110D          | 77.9          | 33.5   | 27.2                 | 24.1                       | 22.1  | 19.6  | 18.0  | 16.8  | 15.2  | 1.0   | 26   |                           |                  |
| 140D          | 117.7         | 48.0   | 39.0                 | 34.5                       | 31.7  | 28.1  | 25.7  | 24.1  | 21.8  | 1.5   | 35   |                           |                  |
| 180D          | 316.4         | 138.7  | 112.7                | 99.8                       | 91.5  | 81.0  | 74.3  | 69.5  | 62.8  | 3.1   | 52   |                           |                  |
| 250D          | 787.6         | 353.1  | 286.8                | 254.0                      | 233.0 | 206.3 | 189.2 | 177.0 |       | 5.5   | 60   |                           |                  |



DS.DF型

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 規格    | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)<br>分割迴轉速N(rpm) |       |       |       |       |       |      |      | 摩擦<br>扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |    |
|---------------|---------------|-------|----------------------|----------------------------|-------|-------|-------|-------|-------|------|------|---------------------------|------------------|----|
|               |               |       |                      |                            |       |       |       |       |       |      |      |                           |                  |    |
|               |               |       |                      | 50                         | 100   | 150   | 200   | 300   | 400   | 500  | 700  |                           |                  |    |
| 270           | 70D           | 3.1   | 1.2                  | 1.0                        | 0.9   | 0.8   | 0.7   | 0.7   | 0.6   | 0.6  | 0.2  | 12                        |                  |    |
|               | 80D           | 28.6  | 9.4                  | 9.4                        | 8.8   | 8.1   | 7.2   | 6.6   | 6.1   | 5.6  | 0.5  | 16                        |                  |    |
|               | 83D           | 29.8  | 9.5                  | 9.5                        | 8.9   | 8.4   | 7.5   | 6.9   | 6.7   | 5.8  | 0.5  | 16                        |                  |    |
|               | 100D          | 34.3  | 14.5                 | 14.3                       | 14.0  | 13.0  | 10.8  | 10.2  | 9.2   | 8.9  | 0.6  | 19                        |                  |    |
|               | 110D          | 46.4  | 20.0                 | 16.2                       | 14.4  | 13.2  | 11.7  | 10.7  | 10.0  | 9.0  | 0.7  | 19                        |                  |    |
|               | 140D          | 81.2  | 33.3                 | 27.1                       | 24.0  | 22.0  | 19.5  | 17.9  | 16.7  | 15.1 | 1.0  | 22                        |                  |    |
|               | 180D          | 161.1 | 67.5                 | 54.8                       | 48.8  | 44.6  | 39.4  | 36.2  | 33.8  | 30.6 | 1.9  | 35                        |                  |    |
|               | 250D          | 484.4 | 214.6                | 174.3                      | 154.3 | 141.6 | 125.3 | 115.0 | 107.5 |      | 3.7  | 40                        |                  |    |
| 12 300        | 45D           | 1.55  | 0.52                 | 0.47                       | 0.38  | 0.33  | 0.27  | 0.24  |       |      | 0.06 | 10                        |                  |    |
|               | 60D           | 2.01  | 0.75                 | 0.61                       | 0.54  | 0.49  | 0.44  | 0.40  | 0.37  | 0.34 | 0.09 | 10                        |                  |    |
|               | 70D           | 3.1   | 1.2                  | 1.0                        | 0.9   | 0.8   | 0.7   | 0.6   | 0.6   | 0.5  | 0.2  | 12                        |                  |    |
|               | 80D           | 28.8  | 9.4                  | 9.4                        | 8.6   | 7.9   | 7.0   | 6.4   | 6.0   | 5.4  | 0.5  | 16                        |                  |    |
|               | 83D           | 30.2  | 9.5                  | 9.5                        | 8.9   | 8.7   | 7.8   | 7.1   | 6.8   | 6.0  | 0.5  | 16                        |                  |    |
|               | 100D          | 35.1  | 14.3                 | 14.1                       | 13.6  | 12.3  | 10.5  | 9.5   | 8.8   | 8.4  | 0.6  | 19                        |                  |    |
|               | 110D          | 46.6  | 19.4                 | 15.8                       | 14.0  | 12.8  | 11.3  | 10.4  | 9.7   | 8.8  | 0.7  | 19                        |                  |    |
|               | 140D          | 81.5  | 32.3                 | 26.3                       | 23.3  | 21.3  | 18.9  | 17.3  | 16.2  | 14.7 | 1.0  | 22                        |                  |    |
| 330           | 180D          | 161.8 | 65.6                 | 53.2                       | 47.1  | 43.3  | 38.3  | 35.1  | 32.9  | 29.7 | 1.9  | 35                        |                  |    |
|               | 250D          | 487.2 | 208.5                | 169.4                      | 150.0 | 137.6 | 121.8 | 111.7 | 104.5 |      | 3.6  | 40                        |                  |    |
|               | 45D           | 1.55  | 0.51                 | 0.45                       | 0.35  | 0.31  | 0.25  | 0.22  |       |      | 0.06 | 10                        |                  |    |
|               | 60D           | 2.01  | 0.73                 | 0.59                       | 0.52  | 0.48  | 0.42  | 0.39  | 0.36  | 0.33 | 0.09 | 10                        |                  |    |
|               | 70D           | 3.1   | 1.2                  | 0.9                        | 0.8   | 0.8   | 0.7   | 0.6   | 0.6   | 0.5  | 0.2  | 12                        |                  |    |
|               | 80D           | 28.9  | 9.5                  | 9.4                        | 8.3   | 7.7   | 6.8   | 6.2   | 5.8   | 5.3  | 0.5  | 16                        |                  |    |
|               | 83D           | 30.3  | 9.6                  | 9.6                        | 9.2   | 8.9   | 8.0   | 7.3   | 7.0   | 6.3  | 0.5  | 16                        |                  |    |
|               | 100D          | 35.7  | 14.3                 | 14.1                       | 13.2  | 11.4  | 9.8   | 9.2   | 8.6   | 8.1  | 0.6  | 19                        |                  |    |
| 16            | 110D          | 46.8  | 18.9                 | 15.3                       | 13.6  | 12.5  | 11.0  | 10.1  | 9.5   | 8.6  | 0.7  | 19                        |                  |    |
|               | 140D          | 81.7  | 31.5                 | 25.6                       | 22.6  | 20.8  | 18.4  | 16.9  | 15.8  | 14.3 | 1.0  | 22                        |                  |    |
|               | 180D          | 162.3 | 63.8                 | 51.8                       | 45.9  | 42.1  | 37.3  | 34.2  | 32.0  | 28.9 | 1.9  | 35                        |                  |    |
|               | 250D          | 489.4 | 203.1                | 165.0                      | 146.1 | 134.0 | 118.6 | 108.8 | 100.8 |      | 3.6  | 40                        |                  |    |
|               | ※ 90          | 45D   | 1.5                  | 0.7                        | 0.51  | 0.43  | 0.4   | 0.35  |       |      |      | 0.1                       | 12               |    |
|               |               | 60D   | 2.06                 | 1.11                       | 0.90  | 0.80  | 0.73  | 0.65  |       |      |      | 0.13                      | 14               |    |
|               |               | 70D   | 12.6                 | 6.9                        | 6.3   | 5.6   | 5.2   | 4.6   | 4.2   | 3.9  |      | 0.4                       | 16               |    |
|               |               | 80D   | 21.5                 | 11.4                       | 11.4  | 10.2  | 9.4   | 8.3   | 7.6   |      |      | 0.7                       | 19               |    |
| 83D           |               | 22.5  | 11.7                 | 11.6                       | 10.5  | 9.7   | 8.6   | 7.9   |       |      | 0.7  | 19                        |                  |    |
| 100D          |               | 28.4  | 12.0                 | 11.9                       | 10.8  | 10.1  | 8.9   | 8.2   |       |      | 0.7  | 22                        |                  |    |
| 90            |               | 110D  | 36.2                 | 125.5                      | 12.5  | 12.5  | 12.5  | 12.5  | 12.2  | 11.4 |      | 0.7                       | 16               |    |
|               |               | 140D  | 45.3                 | 20.8                       | 20.8  | 19.6  | 17.9  | 15.9  | 14.6  |      |      | 0.9                       | 19               |    |
|               | 180D          | 65.9  | 37.6                 | 30.5                       | 27.0  | 24.8  |       |       |       |      | 1.4  | 22                        |                  |    |
|               | 250D          | 178.6 | 108.6                | 88.2                       | 78.1  |       |       |       |       |      | 2.5  | 30                        |                  |    |
| ※ 120         | 45D           | 1.67  | 0.98                 | 0.79                       | 0.70  | 0.6   | 0.57  | 0.52  | 0.49  |      | 0.10 | 12                        |                  |    |
|               | 60D           | 5.29  | 2.65                 | 2.15                       | 1.91  | 1.75  | 1.55  | 1.42  | 1.33  | 1.20 | 0.18 | 14                        |                  |    |
|               | 70D           | 15.1  | 8.6                  | 7.0                        | 6.2   | 5.6   | 5.0   | 4.6   | 4.3   | 3.9  | 0.4  | 16                        |                  |    |
|               | 80D           | 24.8  | 12.2                 | 11.4                       | 10.1  | 9.2   | 8.2   | 7.5   | 7.0   |      | 0.6  | 19                        |                  |    |
|               | 83D           | 25.3  | 12.5                 | 11.7                       | 10.4  | 9.5   | 8.4   | 7.8   | 7.4   |      | 0.7  | 19                        |                  |    |
|               | 100D          | 29.2  | 12.6                 | 12.6                       | 12.5  | 10.1  | 9.5   | 9.4   | 9.1   |      | 0.7  | 22                        |                  |    |
|               | 120           | 110D  | 38.1                 | 12.8                       | 12.8  | 12.8  | 12.8  | 12.5  | 11.4  | 10.7 |      | 0.7                       | 16               |    |
|               |               | 140D  | 48.1                 | 21.1                       | 20.6  | 18.3  | 16.8  | 14.8  | 13.6  | 12.7 |      | 0.8                       | 19               |    |
| 180D          |               | 68.5  | 35.2                 | 28.6                       | 25.3  | 23.2  | 20.5  |       |       |      | 1.4  | 22                        |                  |    |
| 250D          |               | 228.5 | 128.1                | 104.0                      | 92.1  | 84.5  |       |       |       |      | 2.7  | 30                        |                  |    |
| ※ 150         | 45D           | 1.81  | 0.95                 | 0.77                       | 0.68  | 0.63  | 0.55  | 0.51  | 0.48  |      | 0.09 | 12                        |                  |    |
|               | 60D           | 5.52  | 2.53                 | 2.06                       | 1.82  | 1.67  | 1.48  | 1.36  | 1.27  | 1.15 | 0.17 | 14                        |                  |    |
|               | 70D           | 16.1  | 8.3                  | 6.7                        | 6.0   | 5.5   | 4.8   | 4.4   | 4.2   | 3.8  | 0.4  | 10                        |                  |    |
|               | 80D           | 26.9  | 12.7                 | 11.1                       | 9.8   | 9.0   | 8.0   | 7.3   | 6.8   | 6.2  | 0.6  | 19                        |                  |    |
|               | 83D           | 27.1  | 12.8                 | 11.4                       | 10.3  | 9.3   | 8.4   | 7.4   | 7.2   | 6.5  | 0.6  | 19                        |                  |    |
|               | 100D          | 30.2  | 12.9                 | 11.5                       | 10.6  | 9.8   | 8.5   | 7.8   | 7.5   | 7.0  | 0.6  | 22                        |                  |    |
|               | 150           | 110D  | 39.1                 | 13.0                       | 13.0  | 13.0  | 13.0  | 11.8  | 10.8  | 10.1 | 9.2  | 0.6                       | 16               |    |
|               |               | 140D  | 48.9                 | 21.3                       | 19.5  | 17.2  | 15.8  | 14.0  | 12.8  | 12.0 |      | 0.8                       | 19               |    |
| 180D          |               | 69.8  | 33.2                 | 27.0                       | 23.9  | 21.9  | 19.4  | 17.8  |       |      | 1.3  | 22                        |                  |    |
| 250D          |               | 234.9 | 121.5                | 98.7                       | 87.4  | 80.1  | 71.0  |       |       |      | 2.6  | 30                        |                  |    |
| ※ 180         | 45D           | 1.90  | 0.92                 | 0.75                       | 0.66  | 0.61  | 0.54  | 0.49  | 0.46  | 0.42 | 0.09 | 12                        |                  |    |
|               | 60D           | 5.66  | 2.46                 | 1.97                       | 1.75  | 1.60  | 1.42  | 1.30  | 1.22  | 1.10 | 0.17 | 14                        |                  |    |
|               | 70D           | 16.8  | 8.0                  | 6.5                        | 5.8   | 5.3   | 4.7   | 4.3   | 4.0   | 3.6  | 0.3  | 16                        |                  |    |
|               | 80D           | 21.4  | 15.6                 | 12.7                       | 11.3  | 10.3  | 9.1   | 8.4   | 7.8   | 7.1  | 0.6  | 19                        |                  |    |
|               | 83D           | 32.5  | 16.9                 | 13.1                       | 11.7  | 10.8  | 9.4   | 8.7   | 8.1   | 7.4  | 0.6  | 19                        |                  |    |
|               | 100D          | 33.2  | 17.1                 | 13.6                       | 12.5  | 11.3  | 10.0  | 9.3   | 8.4   | 7.7  | 0.6  | 22                        |                  |    |
|               | 180           | 110D  | 39.6                 | 18.1                       | 18.1  | 13.1  | 12.7  | 11.3  | 10.3  | 9.7  | 8.7  | 0.6                       | 16               |    |
|               |               | 140D  | 49.4                 | 21.4                       | 18.5  | 16.4  | 15.0  | 13.3  | 12.2  | 11.4 | 10.3 | 0.8                       | 19               |    |
| 180D          |               | 104.5 | 49.6                 | 40.3                       | 35.6  | 32.7  | 29.0  | 26.6  | 24.8  |      | 1.5  | 26                        |                  |    |
| 250D          |               | 295.1 | 149.1                | 121.1                      | 107.3 | 98.4  | 87.1  |       |       |      | 2.8  | 35                        |                  |    |
| 20            | ※ 210         | 45D   | 1.96                 | 0.89                       | 0.73  | 0.64  | 0.59  | 0.52  | 0.48  | 0.45 | 0.41 | 0.09                      | 12               |    |
|               |               | 60D   | 5.75                 | 2.33                       | 1.90  | 1.68  | 1.54  | 1.36  | 1.25  | 1.17 | 1.06 | 0.16                      | 14               |    |
|               |               | 70D   | 17.3                 | 7.7                        | 6.3   | 5.6   | 5.1   | 4.9   | 4.2   | 3.8  | 3.5  | 0.3                       | 16               |    |
|               |               | 80D   | 32.5                 | 15.2                       | 12.4  | 10.9  | 10.0  | 8.9   | 8.2   | 7.6  | 6.9  | 0.6                       | 19               |    |
|               |               | 83D   | 33.4                 | 15.5                       | 12.8  | 11.2  | 10.4  | 9.2   | 8.5   | 7.9  | 7.2  | 0.6                       | 19               |    |
|               |               | 100D  | 35.2                 | 16.3                       | 13.1  | 11.3  | 10.7  | 9.5   | 8.7   | 8.7  | 8.2  | 0.6                       | 22               |    |
|               |               | 210   | 110D                 | 40.0                       | 18.2  | 16.2  | 13.2  | 12.2  | 10.8  | 9.9  | 9.3  | 8.4                       | 0.6              | 16 |
|               |               |       | 140D                 | 49.7                       | 21.5  | 17.7  | 15.7  | 14.4  | 12.8  | 11.7 | 10.9 | 9.9                       | 0.8              | 19 |
| ※ 240         | 180D          | 105.2 | 47.5                 | 38.6                       | 34.1  | 31.3  | 27.7  | 25.4  | 23.8  |      | 1.5  | 26                        |                  |    |
|               | 250D          | 297.9 | 143.1                | 116.2                      | 102.9 | 94.4  | 83.6  | 76.7  |       |      | 2.7  | 35                        |                  |    |
|               | 45D           | 2.01  | 0.87                 | 0.71                       | 0.62  | 0.57  | 0.51  | 0.47  | 0.44  | 0.39 | 0.09 | 12                        |                  |    |
|               | 60D           | 5.81  | 2.25                 | 1.83                       | 1.62  | 1.49  | 1.32  | 1.21  | 1.13  | 1.02 | 0.16 | 14                        |                  |    |
|               | 70D           | 17.6  | 7.5                  | 6.1                        | 5.4   | 5.0   | 4.4   | 4.0   | 3.8   | 3.4  | 0.3  | 16                        |                  |    |
|               | 80D           | 33.4  | 14.8                 | 12.0                       | 10.6  | 9.8   | 8.6   | 7.9   | 7.4   | 6.7  | 0.6  | 19                        |                  |    |
|               | 83D           | 34.3  | 15.1                 | 12.3                       | 10.9  | 9.1   | 8.9   | 8.2   | 7.7   | 7.1  | 0.6  | 19                        |                  |    |
|               | 100D          | 35.7  | 15.6                 | 12.8                       | 11.2  | 9.8   | 9.2   | 8.5   | 8.1   | 7.8  | 0.6  | 22                        |                  |    |
| 240           | 110D          | 40.2  | 18.2                 | 16.2                       | 12.8  | 11.7  | 10.4  | 9.5   | 8.9   | 8.1  | 0.6  | 16                        |                  |    |
|               | 140D          | 49.9  | 21.0                 | 17.1                       | 15.1  | 13.9  | 12.3  | 11.3  | 10.5  | 9.5  | 0.7  | 19                        |                  |    |
|               | 180D          | 105.7 | 45.7                 | 37.1                       | 32.9  | 30.2  | 26.7  | 24.5  | 22.9  | 20.7 | 1.5  | 26                        |                  |    |
|               | 250D          | 299.7 | 137.9                | 112.0                      | 99.2  | 91.0  | 80.5  | 73.9  |       |      | 2.7  | 35                        |                  |    |
|               | ※ 270         | 45D   | 2.04                 | 0.84                       | 0.69  | 0.61  | 0.56  | 0.49  | 0.45  | 0.42 | 0.38 | 0.08                      | 12               |    |
|               |               | 60D   | 5.85                 | 2.18                       | 1.77  | 1.57  | 1.44  | 1.28  | 1.17  | 1.09 | 0.99 | 0.16                      | 14               |    |
|               |               | 70D   | 17.8                 | 7.3                        | 5.9   | 5.2   | 4.8   | 4.3   | 3.9   | 3.7  | 3.3  | 0.3                       | 16               |    |
|               |               | 80D   | 33.9                 | 14.4                       | 11.7  | 10.4  | 9.5   | 8.4   | 7.7   | 7.2  | 6.5  | 0.6                       | 19               |    |
| ※ 300         | 83D           | 34.6  | 14.7                 | 12.0                       | 10.7  | 9.9   | 8.7   | 8.1   | 7.6   | 7.1  | 0.6  | 19                        |                  |    |
|               | 100D          | 36.3  | 15.0                 | 12.3                       | 11.0  | 10.2  | 9.3   | 8.4   | 7.9   | 7.5  | 0.6  | 22                        |                  |    |
|               | 110D          | 40.4  | 18.2                 | 16.2                       | 12.4  | 11.4  | 10.1  | 9.2   | 8.6   | 7.8  | 0.6  | 16                        |                  |    |
|               | 140D          | 50.1  | 20.3                 | 16.5                       | 14.6  | 13.4  | 11.9  | 10.9  | 10.2  | 9.2  | 0.7  | 19                        |                  |    |
| 270           | 180D          | 106.0 | 44.2                 | 35.9                       | 31.8  | 29.2  | 25.8  | 23.7  | 22.1  | 20.0 | 1.4  | 26                        |                  |    |
|               | 250D          | 301.0 | 133.4                | 108.3                      | 95.9  | 88.0  | 77.9  | 71.5  | 66.8  |      | 2.7  | 35                        |                  |    |
|               | 45D           | 2.06  | 0.82                 | 0.67                       | 0.59  | 0.54  | 0.48  | 0.44  | 0.41  | 0.37 | 0.08 | 12                        |                  |    |
|               | 60D           | 5.88  | 2.12                 | 1.72                       | 1.53  | 1.40  | 1.24  | 1.14  | 1.06  | 0.96 | 0.15 | 14                        |                  |    |
|               | 70D           | 18.0  | 7.1                  | 5.8                        | 5.1   | 4.7   | 4.1   | 3.8   | 3.6   | 3.2  | 0.3  | 16                        |                  |    |
|               | 80D           | 34.4  | 14.1                 | 11.4                       | 10.1  | 9.3   | 8.2   | 7.5   | 7.0   | 6.4  | 0.6  | 19                        |                  |    |
|               | 83D           | 34.9  | 14.4                 | 12.7                       | 10.5  | 9.8   | 8.7   | 7.8   | 7.3   | 6.7  | 0.6  | 19                        |                  |    |
|               | 100D          | 37.1  | 15.6                 | 13.0                       | 11.2  | 10.2  | 9.0   | 8.2   | 7.6   | 7.1  | 0.6  | 22                        |                  |    |
| 300           | 110D          | 40.5  | 180.2                | 14.2                       | 12.0  | 11.0  | 9.8   | 9.0   | 8.4   | 7.6  | 0.6  | 16                        |                  |    |
|               | 140D          | 50.2  | 19.7                 | 16.0                       | 14.2  | 13.0  | 11.5  | 10.6  | 9.9   | 8.9  | 0.7  | 19                        |                  |    |
|               | 180D          | 106.3 | 42.9                 | 24.8                       | 30.8  | 28.3  | 25.0  | 23.0  | 21.5  | 19.4 | 1.4  | 26                        |                  |    |
|               | 250D          | 302.0 | 129.4                | 105.1                      | 93.1  | 85.4  | 75.6  | 69.4  | 64.9  |      | 2.7  | 35                        |                  |    |
| ※ 330         | 45D           | 2.08  | 0.80                 | 0.65                       | 0.58  | 0.53  | 0.47  | 0.43  | 0.40  | 0.36 | 0.08 | 12                        |                  |    |
|               | 60D           | 5.90  | 2.07                 | 1.68                       | 1.49  | 1.36  | 1.21  | 1.11  | 1.04  | 0.94 | 0.15 | 14                        |                  |    |
|               | 70D           | 18.1  |                      |                            |       |       |       |       |       |      |      |                           |                  |    |



DS.DF型

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 規格   | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)<br>分割迴轉速N(rpm) |       |       |       |       |       |       | 摩擦<br>扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |     |
|---------------|---------------|------|----------------------|----------------------------|-------|-------|-------|-------|-------|-------|---------------------------|------------------|-----|
|               |               |      |                      | 50                         | 100   | 150   | 200   | 300   | 400   | 500   |                           |                  | 700 |
|               |               |      |                      |                            |       |       |       |       |       |       |                           |                  |     |
| 24            | ※<br>270      | 45D  | 1.55                 | 0.58                       | 0.49  | 0.4   | 0.35  | 0.29  | 0.25  |       | 0.06                      | 10               |     |
|               |               | 60D  | 2.01                 | 0.77                       | 0.63  | 0.55  | 0.51  | 0.45  | 0.41  | 0.39  | 0.35                      | 0.09             | 10  |
|               |               | 70D  | 3.1                  | 1.2                        | 1.0   | 0.9   | 0.8   | 0.7   | 0.7   | 0.6   | 0.6                       | 0.2              | 12  |
|               |               | 80D  | 29.8                 | 9.8                        | 9.8   | 9.3   | 8.8   | 7.6   | 7.0   | 6.5   | 5.9                       | 0.5              | 16  |
|               |               | 83D  | 30.5                 | 11.3                       | 11.3  | 11.0  | 10.5  | 9.5   | 9.1   | 8.5   | 7.1                       | 0.5              | 16  |
|               |               | 100D | 31.6                 | 12.8                       | 12.6  | 12.5  | 12.1  | 11.2  | 10.6  | 9.8   | 8.5                       | 0.6              | 19  |
|               |               | 110D | 42.2                 | 17.3                       | 14.1  | 12.5  | 11.4  | 10.1  | 9.3   | 8.7   | 7.9                       | 0.6              | 19  |
|               |               | 140D | 55.3                 | 21.5                       | 17.5  | 15.5  | 14.2  | 12.6  | 11.5  | 10.8  |                           | 0.8              | 22  |
|               |               | 180D | 161.1                | 67.5                       | 54.8  | 48.6  | 44.6  | 39.4  | 36.2  | 33.8  |                           | 1.9              | 30  |
|               |               | 250D | 484.4                | 214.6                      | 174.3 | 154.3 | 141.6 | 125.3 | 115.0 |       | 3.7                       | 40               |     |
| 24            | ※<br>300      | 45D  | 1.55                 | 0.52                       | 0.47  | 0.38  | 0.33  | 0.27  | 0.24  |       | 0.06                      | 10               |     |
|               |               | 60D  | 2.01                 | 0.75                       | 0.61  | 0.54  | 0.49  | 0.44  | 0.40  | 0.37  | 0.34                      | 0.09             | 10  |
|               |               | 70D  | 3.1                  | 1.2                        | 1.0   | 0.9   | 0.8   | 0.7   | 0.6   | 0.6   | 0.5                       | 0.2              | 12  |
|               |               | 80D  | 30.0                 | 9.9                        | 9.9   | 9.1   | 8.3   | 7.4   | 6.8   | 6.3   | 5.7                       | 0.5              | 16  |
|               |               | 83D  | 30.5                 | 11.4                       | 11.3  | 10.8  | 10.0  | 9.6   | 9.3   | 8.7   | 6.2                       | 0.5              | 16  |
|               |               | 100D | 31.2                 | 12.8                       | 12.6  | 11.7  | 11.4  | 10.9  | 10.2  | 9.7   | 7.1                       | 0.6              | 19  |
|               |               | 110D | 42.4                 | 16.8                       | 13.7  | 12.1  | 11.1  | 9.8   | 9.0   | 8.4   | 7.6                       | 0.6              | 19  |
|               |               | 140D | 82.5                 | 32.9                       | 26.7  | 23.7  | 21.7  | 19.2  | 17.6  | 16.5  | 14.9                      | 1.0              | 22  |
|               |               | 180D | 161.8                | 65.6                       | 53.2  | 47.1  | 43.3  | 38.3  | 35.1  | 32.9  |                           | 1.9              | 30  |
|               |               | 250D | 487.2                | 208.5                      | 169.4 | 150.0 | 137.6 | 121.8 | 111.7 |       | 3.6                       | 40               |     |
| 24            | ※<br>330      | 45D  | 1.55                 | 0.51                       | 0.45  | 0.35  | 0.31  | 0.25  | 0.22  |       | 0.06                      | 10               |     |
|               |               | 60D  | 2.01                 | 0.73                       | 0.59  | 0.52  | 0.48  | 0.42  | 0.39  | 0.36  | 0.33                      | 0.09             | 10  |
|               |               | 70D  | 3.1                  | 1.2                        | 0.9   | 0.8   | 0.8   | 0.7   | 0.6   | 0.6   | 0.5                       | 0.2              | 12  |
|               |               | 80D  | 30.1                 | 9.9                        | 9.9   | 8.8   | 8.1   | 7.2   | 6.6   | 6.2   | 5.6                       | 0.5              | 16  |
|               |               | 83D  | 30.6                 | 11.8                       | 11.6  | 11.2  | 10.1  | 8.7   | 8.6   | 8.0   | 6.4                       | 0.5              | 16  |
|               |               | 100D | 31.4                 | 13.4                       | 12.4  | 11.4  | 10.5  | 9.0   | 8.6   | 8.1   | 6.6                       | 0.6              | 19  |
|               |               | 110D | 42.6                 | 16.4                       | 13.3  | 11.8  | 10.8  | 9.6   | 8.8   | 8.2   | 7.4                       | 0.6              | 19  |
|               |               | 140D | 82.8                 | 32.0                       | 26.0  | 23.0  | 21.1  | 18.7  | 17.2  | 16.0  | 14.5                      | 1.0              | 22  |
|               |               | 180D | 162.3                | 63.8                       | 51.8  | 45.9  | 42.1  | 37.3  | 34.2  | 32.0  |                           | 1.9              | 30  |
|               |               | 250D | 489.4                | 203.1                      | 165.0 | 146.1 | 134.0 | 118.6 | 108.8 |       | 3.6                       | 40               |     |
| 30            | ●<br>90       | 45D  | 1.15                 | 0.65                       | 0.52  | 0.4   | 0.33  | 0.29  | 0.24  | 0.21  |                           | 0.08             | 10  |
|               |               | 60D  | 1.76                 | 0.94                       | 0.76  | 0.68  | 0.62  | 0.55  | 0.50  | 0.47  |                           | 0.10             | 12  |
|               |               | 70D  | 5.0                  | 3.0                        | 2.5   | 2.2   | 2.0   | 1.8   | 1.6   | 1.5   |                           | 0.3              | 14  |
|               |               | 80D  | 22.7                 | 8.4                        | 8.4   | 8.4   | 8.4   | 8.3   | 7.6   | 7.1   | 6.4                       | 0.6              | 16  |
|               |               | 83D  | 23.4                 | 10.5                       | 10.3  | 10.1  | 10.0  | 9.8   | 9.6   | 9.1   | 8.4                       | 0.7              | 16  |
|               |               | 100D | 24.0                 | 20.4                       | 16.1  | 14.0  | 12.7  | 11.2  | 10.0  |       |                           | 0.8              | 19  |
|               |               | 110D | 36.2                 | 22.3                       | 18.1  | 16.1  | 14.7  | 13.1  | 12.0  |       |                           | 0.9              | 19  |
|               |               | 140D | 46.0                 | 20.6                       | 21.1  | 18.7  | 17.2  | 15.2  |       |       |                           | 1.1              | 22  |
|               |               | 180D | 108.7                | 63.2                       | 51.4  | 45.5  | 41.7  |       |       |       |                           | 2.2              | 35  |
|               |               | 250D | 312.7                | 198.4                      | 161.1 | 142.7 |       |       |       |       |                           | 4.3              | 40  |
| 30            | ●<br>120      | 45D  | 1.15                 | 0.7                        | 0.62  | 0.48  | 0.41  | 0.33  | 0.29  | 0.25  |                           | 0.07             | 10  |
|               |               | 60D  | 2.33                 | 1.18                       | 0.96  | 0.49  | 0.78  | 0.69  | 0.63  | 0.59  | 0.54                      | 0.12             | 12  |
|               |               | 70D  | 5.5                  | 2.9                        | 2.4   | 0.85  | 1.9   | 1.7   | 1.6   |       |                           | 0.3              | 14  |
|               |               | 80D  | 25.4                 | 9.1                        | 9.1   | 9.1   | 9.1   | 8.3   | 7.6   | 7.2   |                           | 0.6              | 16  |
|               |               | 83D  | 25.9                 | 11.1                       | 11.1  | 11.0  | 11.0  | 10.3  | 9.7   | 9.2   |                           | 0.7              | 16  |
|               |               | 100D | 26.3                 | 19.3                       | 17.1  | 14.6  | 12.1  | 10.4  | 9.8   | 10.3  |                           | 0.8              | 19  |
|               |               | 110D | 39.7                 | 21.4                       | 17.4  | 15.4  | 14.2  | 12.5  | 11.5  | 10.8  |                           | 0.8              | 19  |
|               |               | 140D | 73.8                 | 38.7                       | 31.4  | 27.8  | 25.5  | 22.6  | 20.7  | 19.4  |                           | 1.2              | 22  |
|               |               | 180D | 144.1                | 76.8                       | 62.4  | 55.2  | 50.7  | 44.9  |       |       |                           | 2.3              | 35  |
|               |               | 250D | 410.8                | 235.1                      | 190.9 | 169.1 | 155.1 |       |       |       |                           | 4.5              | 40  |
| 30            | ●<br>150      | 45D  | 1.3                  | 0.69                       | 0.59  | 0.45  | 0.38  | 0.31  | 0.27  | 0.22  |                           | 0.06             | 10  |
|               |               | 60D  | 2.40                 | 1.12                       | 0.91  | 0.81  | 0.74  | 0.65  | 0.60  | 0.56  | 0.51                      | 0.11             | 12  |
|               |               | 70D  | 5.7                  | 2.8                        | 2.3   | 2.0   | 1.8   | 1.6   | 1.5   | 1.4   |                           | 0.2              | 14  |
|               |               | 80D  | 27.0                 | 9.4                        | 9.4   | 9.4   | 9.1   | 8.0   | 7.4   | 6.9   | 6.2                       | 0.5              | 16  |
|               |               | 83D  | 27.9                 | 11.5                       | 11.4  | 11.4  | 11.1  | 10.0  | 9.5   | 8.9   | 8.4                       | 0.6              | 16  |
|               |               | 100D | 28.7                 | 18.6                       | 14.5  | 12.6  | 11.4  | 10.8  | 10.1  | 9.0   |                           | 0.7              | 19  |
|               |               | 110D | 41.7                 | 20.6                       | 16.7  | 14.8  | 13.6  | 12.0  | 11.0  | 9.5   |                           | 0.8              | 19  |
|               |               | 140D | 77.3                 | 37.0                       | 30.1  | 26.6  | 24.4  | 21.6  | 19.8  | 10.3  |                           | 1.1              | 22  |
|               |               | 180D | 151.1                | 73.5                       | 59.7  | 52.9  | 48.5  | 43.0  | 39.4  | 18.6  |                           | 2.2              | 35  |
|               |               | 250D | 437.2                | 226.8                      | 184.2 | 163.1 | 149.6 | 132.5 |       |       |                           | 4.2              | 40  |
| 32            | ※<br>180      | 45D  | 1.35                 | 0.63                       | 0.54  | 0.43  | 0.36  | 0.29  | 0.25  | 0.22  |                           | 0.06             | 10  |
|               |               | 60D  | 2.44                 | 1.07                       | 0.87  | 0.77  | 0.71  | 0.63  | 0.57  | 0.54  | 0.48                      | 0.11             | 12  |
|               |               | 70D  | 5.9                  | 2.7                        | 2.2   | 1.9   | 1.8   | 1.6   | 1.4   | 1.3   |                           | 0.2              | 14  |
|               |               | 80D  | 28.0                 | 9.5                        | 9.5   | 9.5   | 8.7   | 7.7   | 7.1   | 6.6   | 6.0                       | 0.5              | 16  |
|               |               | 83D  | 28.7                 | 11.6                       | 11.5  | 11.5  | 10.7  | 9.6   | 9.0   | 8.6   | 7.9                       | 0.6              | 16  |
|               |               | 100D | 29.3                 | 17.7                       | 14.2  | 12.1  | 11.8  | 11.2  | 9.6   | 9.3   | 8.2                       | 0.7              | 19  |
|               |               | 110D | 42.9                 | 19.7                       | 16.0  | 14.2  | 13.0  | 11.5  | 10.6  | 9.9   | 8.9                       | 0.7              | 19  |
|               |               | 140D | 79.5                 | 35.6                       | 28.9  | 25.6  | 23.5  | 20.8  | 19.1  | 17.8  | 16.1                      | 1.1              | 22  |
|               |               | 180D | 194.9                | 67.4                       | 71.0  | 62.8  | 57.6  | 51.0  | 46.8  | 43.8  |                           | 2.3              | 35  |
|               |               | 250D | 636.1                | 291.2                      | 236.6 | 209.5 | 192.1 | 170.1 | 156.1 | 146.0 |                           | 4.5              | 40  |
| 32            | ●<br>270      | 45D  | 1.5                  | 0.54                       | 0.43  | 0.33  | 0.29  | 0.25  | 0.2   | 0.16  |                           | 0.06             | 10  |
|               |               | 60D  | 2.51                 | 0.93                       | 0.76  | 0.67  | 0.61  | 0.54  | 0.50  | 0.47  | 0.42                      | 0.10             | 12  |
|               |               | 70D  | 6.1                  | 2.3                        | 1.9   | 1.7   | 1.5   | 1.4   | 1.3   | 1.2   | 1.1                       | 0.2              | 14  |
|               |               | 80D  | 29.7                 | 9.8                        | 9.5   | 8.4   | 7.7   | 6.8   | 6.3   | 5.9   | 5.3                       | 0.5              | 16  |
|               |               | 83D  | 30.7                 | 11.8                       | 11.5  | 10.0  | 9.1   | 8.4   | 7.6   | 7.1   | 6.4                       | 0.6              | 16  |
|               |               | 100D | 32.8                 | 15.4                       | 12.1  | 11.2  | 10.9  | 10.0  | 9.2   | 8.6   | 7.4                       | 0.7              | 19  |
|               |               | 110D | 44.8                 | 17.3                       | 14.1  | 12.5  | 11.4  | 10.1  | 9.3   | 8.7   | 7.8                       | 0.7              | 19  |
|               |               | 140D | 83.0                 | 31.2                       | 25.3  | 22.4  | 20.6  | 18.2  | 16.7  | 15.6  | 14.1                      | 1.0              | 22  |
|               |               | 180D | 199.8                | 79.5                       | 64.6  | 57.2  | 52.4  | 46.4  | 42.6  | 39.8  | 36.0                      | 2.2              | 35  |
|               |               | 250D | 649.6                | 275.3                      | 223.6 | 198.0 | 181.6 | 160.8 | 147.5 | 138.0 |                           | 4.4              | 40  |
| 32            | ●<br>300      | 45D  | 1.52                 | 0.51                       | 0.41  | 0.3   | 0.28  | 0.23  | 0.19  | 0.15  |                           | 0.06             | 10  |
|               |               | 60D  | 2.51                 | 0.90                       | 0.73  | 0.65  | 0.60  | 0.53  | 0.48  | 0.45  | 0.41                      | 0.10             | 12  |
|               |               | 70D  | 6.1                  | 2.3                        | 1.9   | 1.6   | 1.5   | 1.3   | 1.2   | 1.1   | 1.0                       | 0.2              | 14  |
|               |               | 80D  | 29.8                 | 9.8                        | 9.3   | 8.2   | 7.5   | 6.7   | 6.1   | 5.7   | 5.2                       | 0.5              | 16  |
|               |               | 83D  | 31.1                 | 11.7                       | 11.4  | 9.7   | 8.7   | 8.3   | 7.4   | 6.9   | 6.8                       | 0.6              | 16  |
|               |               | 100D | 33.2                 | 14.6                       | 11.9  | 10.8  | 10.4  | 9.2   | 8.5   | 8.1   | 7.2                       | 0.7              | 19  |
|               |               | 110D | 45.0                 | 16.9                       | 13.7  | 12.1  | 11.1  | 9.9   | 9.0   | 8.5   | 7.6                       | 0.7              | 19  |
|               |               | 140D | 83.3                 | 30.4                       | 24.7  | 21.8  | 20.0  | 17.7  | 16.3  |       | 13.8                      | 1.0              | 22  |
|               |               | 180D | 200.6                | 77.4                       | 62.9  | 55.7  | 51.1  | 45.2  | 41.5  | 38.8  | 35.1                      | 2.1              | 35  |
|               |               | 250D | 653.9                | 268.4                      | 218.0 | 193.0 | 177.1 | 156.8 | 143.8 | 134.5 |                           | 4.3              | 40  |
| 32            | ☆90           | 80D  | 21.5                 | 11.4                       | 11.4  | 10.2  | 9.4   | 8.3   | 7.6   |       |                           | 0.6              | 19  |
|               |               | 83D  | 22.1                 | 11.7                       | 11.4  | 10.8  | 10.2  | 9.3   | 8.4   |       |                           | 0.7              | 19  |
|               |               | 100D | 22.7                 | 12.3                       | 12.3  | 11.3  | 10.3  | 9.8   |       |       |                           | 0.7              | 19  |
|               |               | 110D | 36.2                 | 12.5                       | 12.5  | 12.5  | 12.5  | 12.5  |       |       |                           | 0.7              | 16  |
|               |               | 140D | 46.3                 | 20.8                       | 20.8  | 19.6  | 17.9  | 15.9  |       |       |                           | 0.9              | 19  |
|               |               | 180D | 65.9                 | 37.6                       | 30.5  | 27.0  | 24.8  |       |       |       |                           | 1.4              | 22  |
|               |               | 250D | 178.6                | 108.6                      | 88.2  |       |       |       |       |       |                           | 2.5              | 30  |
|               |               | 80D  | 23.4                 | 8.7                        | 8.7   | 8.7   | 8.2   | 7.3   | 6.7   |       |                           | 0.6              | 19  |
|               |               | 83D  | 23.7                 | 11.8                       | 11.6  | 11.0  | 10.2  | 9.4   |       |       |                           | 0.6              | 19  |
|               |               | 100D | 24.5                 | 12.2                       | 12.3  | 11.3  | 10.3  | 9.8   |       |       |                           | 0.7              | 19  |
| 32            | ※<br>120      | 110D | 38.1                 | 12.8                       | 12.8  | 12.8  | 12.8  | 12.5  | 11.4  |       |                           | 0.7              | 16  |
|               |               | 140D | 48.1                 | 21.1                       | 20.6  | 18.3  | 16.8  | 14.8  | 13.6  |       |                           | 0.8              | 19  |
|               |               | 180D | 68.5                 | 35.2                       | 28.6  | 25.3  | 23.8  |       |       |       |                           | 1.4              | 22  |
|               |               | 250D | 228.5                | 128.1                      | 104.0 | 92.1  |       |       |       |       |                           | 2.7              | 30  |



DS.DF型

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 規格    | 靜扭力<br>Ts<br>(kgf-m) |       | 動扭力 (kgf-m)<br>分割迴轉速N(rpm) |       |       |       |       |      |     | 摩擦<br>扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |    |
|---------------|---------------|-------|----------------------|-------|----------------------------|-------|-------|-------|-------|------|-----|---------------------------|------------------|----|
|               |               |       | 50                   | 100   | 150                        | 200   | 300   | 400   | 500   | 700  |     |                           |                  |    |
|               |               |       |                      |       |                            |       |       |       |       |      |     |                           |                  |    |
| 40            | ☆<br>120      | 180D  | 144.1                | 76.8  | 62.4                       | 55.2  | 50.7  | 44.9  |       |      |     | 2.3                       | 35               |    |
|               |               | 250D  | 410.8                | 235.1 | 190.9                      | 169.1 | 155.1 |       |       |      |     | 4.5                       | 40               |    |
|               |               | 70D   | 5.7                  | 2.8   | 2.3                        | 2.0   | 1.8   | 1.6   | 1.5   |      |     | 0.2                       | 14               |    |
|               |               | 80D   | 27.0                 | 9.4   | 9.4                        | 9.4   | 9.1   | 8.0   | 7.4   | 6.9  |     | 0.5                       | 16               |    |
|               |               | 83D   | 29.5                 | 11.2  | 11.2                       | 11.0  | 10.8  | 9.1   | 8.3   | 7.4  |     | 0.3                       | 16               |    |
|               |               | 100D  | 38.1                 | 18.7  | 15.6                       | 13.2  | 12.3  | 11.2  |       |      |     | 0.7                       | 19               |    |
|               | ☆<br>150      | 110D  | 41.7                 | 20.6  | 16.7                       | 14.8  | 13.6  | 12.0  |       |      |     | 0.8                       | 19               |    |
|               |               | 140D  | 77.3                 | 37.0  | 30.1                       | 26.6  | 24.4  | 21.6  |       |      |     | 1.1                       | 22               |    |
|               |               | 180D  | 151.1                | 73.5  | 59.7                       | 52.9  | 48.5  | 43.0  | 39.4  |      |     | 2.2                       | 35               |    |
|               |               | 250D  | 437.2                | 226.8 | 184.2                      | 163.1 | 149.6 | 132.5 |       |      |     | 4.2                       | 40               |    |
|               |               | 70D   | 5.9                  | 2.7   | 2.2                        | 1.9   | 1.8   | 1.6   | 1.4   | 1.3  |     | 0.2                       | 14               |    |
|               |               | 80D   | 28.0                 | 9.2   | 9.5                        | 9.5   | 8.7   | 7.7   | 7.1   | 6.6  | 6.0 | 0.5                       | 16               |    |
| ☆<br>180      | 83D           | 30.1  | 11.4                 | 11.3  | 11.2                       | 10.2  | 8.9   | 8.4   | 7.7   | 7.2  | 0.5 | 16                        |                  |    |
|               | 100D          | 38.4  | 17.6                 | 15.2  | 13.1                       | 11.8  | 10.9  | 9.8   |       |      | 0.6 | 19                        |                  |    |
|               | 110D          | 42.9  | 19.7                 | 16.0  | 14.2                       | 13.0  | 11.5  | 10.6  |       |      | 0.7 | 19                        |                  |    |
|               | 140D          | 79.5  | 35.6                 | 28.9  | 25.6                       | 23.5  | 20.8  |       |       |      | 1.1 | 22                        |                  |    |
|               | 180D          | 191.7 | 90.7                 | 73.7  | 65.3                       | 59.9  | 53.0  | 48.6  | 45.5  |      | 2.4 | 35                        |                  |    |
|               | 250D          | 453.9 | 218.8                | 177.7 | 157.4                      | 144.4 | 127.8 |       |       |      | 4.0 | 40                        |                  |    |
| 48            | ☆<br>210      | 70D   | 6.0                  | 2.6   | 2.1                        | 1.9   | 1.7   | 1.5   | 1.4   | 1.3  |     | 0.2                       | 14               |    |
|               |               | 80D   | 28.7                 | 9.6   | 9.6                        | 9.2   | 8.4   | 7.5   | 6.9   | 6.4  | 5.8 | 0.5                       | 16               |    |
|               |               | 83D   | 30.7                 | 11.5  | 11.4                       | 11.3  | 9.8   | 8.7   | 8.2   | 7.6  | 7.1 | 0.5                       | 16               |    |
|               |               | 100D  | 41.2                 | 17.4  | 15.0                       | 12.9  | 11.7  | 10.7  | 9.6   |      |     | 0.6                       | 19               |    |
|               |               | 110D  | 43.6                 | 19.0  | 15.4                       | 13.7  | 12.5  | 11.1  | 10.2  |      |     | 0.7                       | 19               |    |
|               |               | 140D  | 80.9                 | 34.2  | 27.8                       | 24.6  | 22.6  | 20.0  | 18.3  |      |     | 1.1                       | 22               |    |
|               | ☆<br>240      | 180D  | 194.9                | 87.4  | 71.0                       | 62.8  | 57.6  | 51.0  | 46.8  | 43.8 |     | 2.3                       | 35               |    |
|               |               | 250D  | 625.3                | 300.6 | 244.1                      | 216.2 | 198.3 | 175.6 | 161.1 |      |     | 4.6                       | 40               |    |
|               |               | 70D   | 6.0                  | 2.5   | 2.0                        | 1.8   | 1.6   | 1.5   | 1.3   | 1.2  |     | 0.2                       | 14               |    |
|               |               | 80D   | 29.1                 | 9.7   | 9.7                        | 8.9   | 8.2   | 7.2   | 6.6   | 6.2  | 5.6 | 0.5                       | 16               |    |
|               |               | 83D   | 32.1                 | 11.5  | 11.4                       | 11.2  | 9.7   | 8.6   | 8.1   | 7.5  | 6.9 | 0.5                       | 16               |    |
|               |               | 100D  | 41.7                 | 17.2  | 14.8                       | 12.7  | 11.5  | 10.3  | 9.2   | 8.6  |     | 0.6                       | 19               |    |
| ☆<br>270      | 110D          | 44.2  | 18.4                 | 14.9  | 13.2                       | 12.1  | 10.7  | 9.9   | 9.2   |      | 0.7 | 22                        |                  |    |
|               | 140D          | 81.8  | 33.1                 | 26.9  | 23.8                       | 21.8  | 19.3  | 17.7  |       |      | 1.0 | 35                        |                  |    |
|               | 180D          | 197.1 | 84.4                 | 68.6  | 60.7                       | 55.7  | 49.3  | 45.2  | 42.3  | 38.2 | 2.2 | 40                        |                  |    |
|               | 250D          | 636.1 | 291.2                | 236.6 | 209.5                      | 192.1 | 170.1 | 156.1 | 146.0 |      | 4.5 | 60                        |                  |    |
|               | 70D           | 6.1   | 2.4                  | 2.0   | 1.7                        | 1.6   | 1.4   | 1.3   | 1.2   | 1.1  | 0.2 | 14                        |                  |    |
|               | 80D           | 29.4  | 9.8                  | 9.8   | 8.7                        | 7.9   | 7.0   | 6.4   | 6.0   | 5.5  | 0.5 | 16                        |                  |    |
| ☆<br>300      | 83D           | 32.6  | 11.6                 | 11.5  | 11.0                       | 9.4   | 8.5   | 7.9   | 7.3   | 6.7  | 0.5 | 16                        |                  |    |
|               | 100D          | 42.1  | 16.8                 | 13.9  | 12.5                       | 11.2  | 10.1  | 8.9   | 8.6   |      | 0.6 | 19                        |                  |    |
|               | 110D          | 44.6  | 17.8                 | 14.5  | 12.8                       | 11.8  | 10.4  | 9.5   | 8.9   |      | 0.7 | 19                        |                  |    |
|               | 140D          | 82.5  | 32.1                 | 26.0  | 23.1                       | 21.2  | 18.7  | 17.2  | 16.1  |      | 1.0 | 22                        |                  |    |
|               | 180D          | 198.6 | 81.8                 | 66.4  | 58.8                       | 54.0  | 47.8  | 43.8  | 41.0  | 37.1 | 2.2 | 35                        |                  |    |
|               | 250D          | 643.9 | 282.8                | 229.7 | 203.4                      | 186.6 | 165.2 | 151.6 | 141.8 |      | 4.4 | 40                        |                  |    |
| ☆<br>330      | 70D           | 6.1   | 2.3                  | 1.9   | 1.7                        | 1.5   | 1.4   | 1.3   | 1.2   | 1.1  | 0.2 | 14                        |                  |    |
|               | 80D           | 29.7  | 9.8                  | 9.5   | 8.4                        | 7.7   | 6.8   | 6.3   | 5.9   | 5.3  | 0.5 | 16                        |                  |    |
|               | 83D           | 32.6  | 11.6                 | 11.4  | 10.8                       | 9.2   | 8.2   | 7.7   | 7.2   | 6.4  | 0.5 | 16                        |                  |    |
|               | 100D          | 42.1  | 16.5                 | 13.7  | 12.3                       | 11.0  | 9.7   | 8.7   | 8.3   |      | 0.6 | 19                        |                  |    |
|               | 110D          | 44.8  | 17.3                 | 14.1  | 12.5                       | 11.4  | 10.1  | 9.3   | 8.7   |      | 0.7 | 19                        |                  |    |
|               | 140D          | 83.0  | 31.2                 | 25.3  | 22.4                       | 20.6  | 18.2  | 16.7  | 15.6  |      | 1.0 | 22                        |                  |    |
| ☆<br>90       | 180D          | 199.8 | 79.5                 | 64.6  | 57.2                       | 52.4  | 46.4  | 42.6  | 39.8  | 36.0 | 2.2 | 35                        |                  |    |
|               | 250D          | 649.6 | 275.3                | 223.6 | 198.0                      | 181.6 | 160.8 | 147.5 | 138.0 |      | 4.4 | 40                        |                  |    |
|               | 70D           | 6.1   | 2.3                  | 1.9   | 1.6                        | 1.5   | 1.3   | 1.2   | 1.1   | 1.0  | 0.2 | 14                        |                  |    |
|               | 80D           | 29.8  | 9.8                  | 9.3   | 8.2                        | 7.5   | 6.7   | 6.1   | 5.7   | 5.2  | 0.5 | 16                        |                  |    |
|               | 83D           | 32.6  | 11.6                 | 11.4  | 10.6                       | 9.0   | 8.1   | 7.4   | 6.9   | 6.2  | 0.5 | 16                        |                  |    |
|               | 100D          | 42.1  | 16.5                 | 13.4  | 11.8                       | 10.7  | 9.4   | 8.2   | 7.9   |      | 0.6 | 19                        |                  |    |
| ●<br>90       | 110D          | 45.0  | 16.9                 | 13.7  | 12.1                       | 11.1  | 9.9   | 9.0   | 8.5   |      | 0.7 | 19                        |                  |    |
|               | 140D          | 83.3  | 30.4                 | 24.7  | 21.8                       | 20.0  | 17.7  | 16.3  | 15.2  |      | 1.0 | 22                        |                  |    |
|               | 180D          | 200.6 | 77.4                 | 62.9  | 55.7                       | 51.1  | 45.2  | 41.5  | 38.8  | 35.1 | 2.1 | 35                        |                  |    |
|               | 250D          | 653.9 | 268.4                | 218.0 | 193.0                      | 177.1 | 156.8 | 143.8 | 134.5 |      | 4.3 | 40                        |                  |    |
|               | 70D           | 2.7   | 1.6                  | 1.3   | 1.1                        | 1.1   | 0.9   | 0.9   |       |      | 0.2 | 12                        |                  |    |
|               | 80D           | 24.3  | 8.7                  | 8.7   | 8.7                        | 8.7   | 8.4   | 7.9   | 7.1   |      | 0.6 | 16                        |                  |    |
| ●<br>90       | 83D           | 27.5  | 9.2                  | 9.2   | 9.2                        | 9.2   | 9.0   | 8.8   | 8.3   | 8.1  | 0.6 | 16                        |                  |    |
|               | 100D          | 34.1  | 10.9                 | 10.7  | 10.6                       | 10.5  | 10.3  |       |       |      | 0.7 | 19                        |                  |    |
|               | 110D          | 36.2  | 12.5                 | 12.5  | 12.5                       | 12.5  | 12.5  |       |       |      | 0.7 | 19                        |                  |    |
|               | 140D          | 46.3  | 20.8                 | 20.8  | 19.6                       | 17.9  |       |       |       |      | 0.9 | 19                        |                  |    |
|               | 180D          | 110.9 | 65.7                 | 53.3  | 47.2                       | 43.3  | 38.4  |       |       |      | 2.0 | 22                        |                  |    |
|               | 250D          | 246.7 | 151.7                | 123.3 | 109.1                      |       |       |       |       |      | 3.4 | 30                        |                  |    |
| 48            | ☆<br>120      | 70D   | 2.8                  | 1.5   | 1.2                        | 1.1   | 1.0   | 0.9   |       |      |     |                           | 0.2              | 12 |
|               |               | 80D   | 26.8                 | 9.3   | 9.3                        | 9.3   | 9.3   | 9.2   | 8.4   | 7.9  |     |                           | 0.5              | 16 |
|               |               | 83D   | 28.3                 | 9.6   | 9.6                        | 9.5   | 9.5   | 9.4   | 9.2   | 8.9  |     |                           | 0.5              | 16 |
|               |               | 100D  | 36.2                 | 11.3  | 11.3                       | 11.0  | 11.0  | 10.8  | 10.3  |      |     |                           | 0.6              | 19 |
|               |               | 110D  | 38.1                 | 12.8  | 12.8                       | 12.8  | 12.8  | 12.5  | 11.4  |      |     |                           | 0.7              | 19 |
|               |               | 140D  | 48.1                 | 21.1  | 20.6                       | 18.3  | 16.8  | 14.8  |       |      |     |                           | 0.8              | 22 |
|               | ●<br>120      | 180D  | 118.2                | 62.2  | 50.5                       | 44.7  | 41.0  | 36.3  |       |      |     |                           | 1.9              | 30 |
|               |               | 250D  | 367.6                | 211.5 | 171.8                      | 152.1 | 139.6 |       |       |      |     |                           | 3.7              | 47 |
|               |               | 70D   | 2.9                  | 1.4   | 1.2                        | 1.0   | 0.9   | 0.8   |       |      |     |                           | 0.2              | 12 |
|               |               | 80D   | 28.0                 | 9.5   | 9.5                        | 9.5   | 9.5   | 8.8   | 8.0   | 7.5  |     |                           | 0.5              | 16 |
|               |               | 83D   | 29.4                 | 9.8   | 9.8                        | 9.7   | 9.7   | 9.5   | 9.0   | 8.7  |     |                           | 0.5              | 16 |
|               |               | 100D  | 37.1                 | 11.5  | 11.5                       | 11.3  | 11.3  | 10.8  | 10.6  |      |     |                           | 0.6              | 19 |
| ☆<br>150      | 110D          | 39.1  | 13.0                 | 13.0  | 13.0                       | 13.0  | 11.8  | 10.8  |       |      |     | 0.6                       | 19               |    |
|               | 140D          | 48.9  | 21.3                 | 19.5  | 17.2                       | 15.8  | 14.0  |       |       |      |     | 0.8                       | 22               |    |
|               | 180D          | 126.7 | 62.6                 | 50.9  | 45.0                       | 41.3  | 36.6  | 33.6  |       |      |     | 1.9                       | 22               |    |
|               | 250D          | 385.0 | 202.5                | 164.4 | 145.6                      | 133.6 | 118.3 |       |       |      |     | 3.6                       | 30               |    |
|               | 70D           | 3.0   | 1.4                  | 1.1   | 1.0                        | 0.9   | 0.8   | 0.7   |       |      |     | 0.2                       | 12               |    |
|               | 80D           | 28.8  | 9.7                  | 9.7   | 9.7                        | 9.5   | 8.4   | 7.7   | 7.2   | 6.5  |     | 0.5                       | 16               |    |
| ☆<br>180      | 83D           | 29.7  | 10.1                 | 10.1  | 9.8                        | 9.8   | 9.7   | 8.7   | 8.5   | 7.8  |     | 0.5                       | 16               |    |
|               | 100D          | 37.2  | 11.6                 | 11.6  | 11.2                       | 11.2  | 10.6  | 10.3  | 9.2   |      |     | 0.6                       | 19               |    |
|               | 110D          | 39.6  | 13.1                 | 13.1  | 13.1                       | 12.7  | 11.3  | 10.3  | 9.7   |      |     | 0.6                       | 19               |    |
|               | 140D          | 49.4  | 21.4                 | 18.5  | 16.4                       | 15.0  | 13.3  | 12.2  |       |      |     | 0.8                       | 22               |    |
|               | 180D          | 157.1 | 75.3                 | 61.2  | 54.2                       | 49.7  | 44.0  | 40.3  | 37.7  |      |     | 2.0                       | 22               |    |
|               | 250D          | 395.5 | 194.3                | 157.8 | 139.7                      | 128.2 | 113.5 |       |       |      |     | 3.4                       | 30               |    |
| ●<br>180      | 70D           | 3.0   | 1.3                  | 1.1   | 0.9                        | 0.8   | 0.7   |       |       |      |     | 0.2                       | 12               |    |
|               | 80D           | 29.2  | 9.7                  | 9.7   | 9.7                        | 9.1   | 8.1   | 7.4   | 7.0   | 6.3  |     | 0.5                       | 16               |    |
|               | 83D           | 30.4  | 10.1                 | 10.1  | 9.8                        | 9.8   | 9.7   | 8.4   | 8.1   | 7.5  |     | 0.5                       | 16               |    |
|               | 100D          | 38.2  | 11.7                 | 11.7  | 11.5                       | 11.5  | 10.2  | 9.8   | 8.9   |      |     | 0.6                       | 19               |    |
|               | 110D          | 40.0  | 13.2                 | 13.2  | 13.2                       | 12.2  | 10.8  | 9.9   | 9.3   |      |     | 0.6                       | 19               |    |
|               | 140D          | 49.7  | 21.5                 | 17.7  | 15.7                       | 14.4  | 12.8  | 11.7  | 10.9  |      |     | 0.8                       | 22               |    |
| ☆<br>210      | 180D          | 159.0 | 72.3                 | 58.7  | 52.0                       | 47.7  | 42.3  | 38.8  | 36.2  |      |     | 2.0                       | 22               |    |
|               | 250D          | 474.9 | 229.1                | 186.1 | 164.8                      | 151.1 | 133.8 | 122.8 |       |      |     | 3.8                       | 30               |    |
|               | 70D           | 3.0   | 1.3                  | 1.1   | 0.9                        | 0.8   | 0.7   |       |       |      |     | 0.2                       | 12               |    |
|               | 80D           | 29.6  | 9.8                  | 9.8   | 9.6                        | 8.8   | 7.8   | 7.2   | 6.7   | 6.1  |     | 0.5                       | 16               |    |
|               | 83D           | 31.5  | 10.2                 | 10.2  | 9.9                        | 9.9   | 8.5   | 8.4   | 7.9   | 7.3  |     | 0.5                       | 16               |    |
|               | 100D          | 38.6  | 11.7                 | 11.7  | 11.5                       | 11.5  | 10.2  | 9.8   | 8.9   |      |     | 0.6                       | 19               |    |
| ●<br>210      | 110D          | 40.0  | 13.2                 | 13.2  | 13.2                       | 11.7  | 10.4  | 9.5   | 8.9   |      |     | 0.6                       | 19               |    |
|               | 140D          | 49.9  | 21.0                 | 17.1  | 15.1                       | 13.9  | 12.3  | 11.3  | 10.5  |      |     | 0.7                       | 22               |    |
|               | 180D          | 160.2 | 69.8                 | 56.7  | 50.2                       | 46.0  | 40.8  | 37.4  | 35.0  | 31.6 |     | 1.9                       | 22               |    |
|               | 250D          | 480.4 | 221.4                | 179.8 | 159.2                      | 146.1 | 129.3 | 118.6 | 111.0 |      |     | 3.7                       | 30               |    |
|               | 70D           | 3.1   | 1.2                  | 1.0   | 0.9                        | 0.8   | 0.7   | 0.7   | 0.6   |      |     | 0.2                       | 12               |    |
|               | 80D           | 29.8  | 9.8                  | 9.8   | 9.3                        | 8.8   | 7.6   | 7.0   | 6.5   | 5.9  |     | 0.5                       | 16               |    |
| ☆<br>270      | 83D           | 32.0  | 10.2                 | 10.2  | 9.9                        | 9.7   | 8.3   | 8.2   | 7.7   | 7.1  |     | 0.5                       | 16               |    |
|               | 100D          | 38.7  | 11.7                 | 11.7  | 11.0                       | 10.5  | 9.7   | 8.9   | 8.4   | 8.2  |     | 0.6                       | 19               |    |
|               | 110D          | 40.4  | 13.2                 | 13.2  | 12.4                       | 11.4  | 10.1  | 9.2   | 8.6   | 7.8  |     | 0.6                       | 19               |    |
|               | 140D          | 50.1  | 20.3                 | 16.5  | 14.6                       | 13.4  | 11.9  | 10.9  | 10.2  |      |     | 0.7                       | 22               |    |
|               | 180D          | 161.1 | 67.5                 | 54.8  | 48.6                       | 44.6  | 39.4  | 36.2  | 3     |      |     |                           |                  |    |



DT型

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 規格     | 靜扭力<br>Ts |        | 動扭力 (kgf-m)<br>分割迴轉速N(rpm) |       |       |       |       |       |      |    | 摩擦<br>扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|--------|-----------|--------|----------------------------|-------|-------|-------|-------|-------|------|----|---------------------------|------------------|
|               |               |        | (kgf-m)   |        |                            |       |       |       |       |       |      |    |                           |                  |
|               |               |        |           | 50     | 100                        | 150   | 200   | 300   | 400   | 500   |      |    |                           |                  |
| 8             | 300           | 210DT  | 582.6     | 252.1  | 206.3                      | 182.5 | 167.9 | 147.6 | 181.3 | 172.5 | 4.0  | 60 |                           |                  |
|               |               | 250DT  | 846.4     | 358.5  | 291.2                      | 257.8 | 236.5 | 209.4 | 192.1 | 179.9 | 5.2  | 60 |                           |                  |
|               |               | 350DT  | 2268.1    | 936.8  | 803.7                      | 711.6 | 652.8 |       |       |       | 10.6 | 80 |                           |                  |
|               |               | 80DT   | 45.1      | 13.4   | 11.2                       | 10.3  | 9.7   | 7.7   | 5.9   |       | 0.8  | 22 |                           |                  |
|               |               | 110DT  | 92.0      | 38.1   | 31.0                       | 27.4  | 25.1  | 22.3  | 20.4  | 19.1  | 1.0  | 26 |                           |                  |
|               |               | 140DT  | 186.6     | 81.0   | 65.8                       | 58.3  | 53.4  | 47.3  | 43.4  | 40.6  | 1.6  | 40 |                           |                  |
|               | 330           | 180DT  | 383.6     | 167.1  | 135.7                      | 120.2 | 110.2 | 97.6  | 89.5  | 83.7  | 2.9  | 52 |                           |                  |
|               |               | 210DT  | 593.1     | 257.2  | 208.9                      | 184.7 | 170.2 | 148.3 | 136.2 |       | 4.0  | 60 |                           |                  |
|               |               | 250DT  | 1123.8    | 485.6  | 394.4                      | 349.3 | 320.4 | 283.7 | 260.2 | 243.4 | 6.4  | 60 |                           |                  |
|               |               | 350DT  | 2305.2    | 917.8  | 787.4                      | 697.2 | 639.5 |       |       |       | 10.5 | 80 |                           |                  |
|               |               | 80DT   | 24.0      | 7.8    | 6.5                        | 5.6   | 4.6   | 4.4   | 4.0   |       | 0.7  | 19 |                           |                  |
|               |               | 110DT  | 44.7      | 24.4   | 19.8                       | 17.6  | 16.1  | 14.3  | 13.1  | 12.2  | 0.9  | 19 |                           |                  |
| 150           | 140DT         | 180.9  | 59.5      | 48.4   | 42.8                       | 39.3  | 34.8  | 31.9  |       | 1.3   | 26   |    |                           |                  |
|               |               | 180DT  | 202.2     | 120.3  | 97.7                       | 86.5  | 79.3  | 70.3  | 64.4  |       | 2.4  | 47 |                           |                  |
|               |               | 210DT  | 344.6     | 189.6  | 154.2                      | 136.5 | 125.2 |       |       |       | 3.1  | 47 |                           |                  |
|               |               | 250DT  | 446.3     | 239.5  | 194.5                      | 172.2 | 158.0 |       |       |       | 4.2  | 52 |                           |                  |
|               |               | 350DT  | 1458.4    | 801.4  | 687.5                      | 608.8 | 558.4 |       |       |       | 9.7  | 60 |                           |                  |
|               |               | 80DT   | 26.1      | 8.1    | 6.7                        | 5.6   | 4.5   | 4.5   | 4.1   |       | 0.7  | 19 |                           |                  |
|               | 180           | 110DT  | 69.5      | 37.5   | 30.5                       | 27.0  | 24.7  | 21.9  | 20.1  | 18.8  | 0.8  | 19 |                           |                  |
|               |               | 140DT  | 111.9     | 61.2   | 49.7                       | 44.0  | 40.4  | 35.8  | 32.8  | 30.7  | 1.3  | 26 |                           |                  |
|               |               | 180DT  | 216.0     | 117.7  | 95.6                       | 84.6  | 77.6  | 68.7  | 63.1  |       | 2.4  | 47 |                           |                  |
|               |               | 210DT  | 359.5     | 191.7  | 155.7                      | 137.8 | 126.5 |       |       |       | 4.2  | 47 |                           |                  |
|               |               | 250DT  | 626.1     | 329.2  | 267.4                      | 236.8 | 217.2 | 192.3 |       |       | 4.8  | 52 |                           |                  |
|               |               | 350DT  | 1544.6    | 780.8  | 669.9                      | 593.1 | 544.1 |       |       |       | 9.2  | 80 |                           |                  |
| 210           | 80DT          | 30.1   | 9.2       | 7.6    | 6.6                        | 5.9   | 5.4   | 4.6   |       | 0.7   | 19   |    |                           |                  |
|               |               | 110DT  | 72.2      | 36.5   | 29.6                       | 26.2  | 24.1  | 21.3  | 19.6  | 18.3  | 0.9  | 19 |                           |                  |
|               |               | 140DT  | 141.3     | 75.2   | 61.1                       | 54.1  | 49.6  | 44.0  | 40.3  | 37.7  | 1.5  | 26 |                           |                  |
|               |               | 180DT  | 309.0     | 169.9  | 138.0                      | 122.2 | 112.1 | 99.3  | 91.1  | 85.2  | 2.7  | 47 |                           |                  |
|               |               | 210DT  | 438.7     | 227.4  | 184.7                      | 163.5 | 145.7 | 132.7 | 121.7 |       | 4.3  | 52 |                           |                  |
|               |               | 250DT  | 646.1     | 319.3  | 259.4                      | 229.7 | 210.7 | 186.6 | 171.1 |       | 4.6  | 52 |                           |                  |
|               | 350DT         | 2063.8 | 1028.2    | 882.1  | 781.1                      | 716.5 |       |       |       | 10.2  | 80   |    |                           |                  |
|               |               | 80DT   | 33.7      | 8.8    | 7.5                        | 6.4   | 5.7   | 5.2   | 4.4   |       | 0.7  | 19 |                           |                  |
|               |               | 110DT  | 74.1      | 35.5   | 28.9                       | 25.6  | 23.4  | 20.8  | 19.0  | 17.8  | 0.9  | 19 |                           |                  |
|               |               | 140DT  | 145.9     | 73.4   | 59.7                       | 52.8  | 48.5  | 42.9  | 39.4  | 36.8  | 1.4  | 26 |                           |                  |
|               |               | 180DT  | 320.0     | 166.1  | 135.0                      | 119.5 | 109.6 | 97.1  | 89.0  | 83.3  | 2.6  | 47 |                           |                  |
|               |               | 210DT  | 440.1     | 225.6  | 183.1                      | 160.5 | 143.2 | 130.2 | 119.8 |       | 4.3  | 52 |                           |                  |
| 10 240        | 250DT         | 660.1  | 310.1     | 251.9  | 223.0                      | 204.6 | 181.2 | 166.2 |       | 4.5   | 52   |    |                           |                  |
|               |               | 350DT  | 2122.3    | 1001.8 | 859.4                      | 761.0 | 698.1 |       |       |       | 10.0 | 80 |                           |                  |
|               |               | 80DT   | 35.2      | 8.6    | 7.3                        | 6.2   | 5.5   | 5.0   | 4.1   |       | 0.7  | 19 |                           |                  |
|               |               | 110DT  | 75.5      | 34.6   | 28.1                       | 24.9  | 22.8  | 20.2  | 18.6  | 17.3  | 0.8  | 19 |                           |                  |
|               |               | 140DT  | 149.3     | 71.7   | 58.2                       | 51.6  | 47.3  | 41.9  | 38.4  | 35.9  | 1.4  | 35 |                           |                  |
|               |               | 180DT  | 328.2     | 162.4  | 131.9                      | 116.8 | 107.2 | 94.9  | 87.0  | 81.4  | 2.6  | 47 |                           |                  |
|               | 270           | 210DT  | 459.7     | 215.6  | 175.5                      | 155.3 | 142.5 | 126.2 | 115.7 |       | 3.3  | 52 |                           |                  |
|               |               | 250DT  | 670.3     | 301.7  | 245.0                      | 217.0 | 199.0 | 176.2 | 161.7 |       | 4.4  | 52 |                           |                  |
|               |               | 350DT  | 2165.5    | 976.8  | 838.0                      | 742.0 | 680.6 |       |       |       | 9.8  | 80 |                           |                  |
|               |               | 80DT   | 36.5      | 8.4    | 7.1                        | 6.0   | 5.3   | 4.8   | 3.9   |       | 0.7  | 19 |                           |                  |
|               |               | 110DT  | 76.6      | 33.8   | 27.4                       | 24.3  | 22.3  | 19.7  | 18.1  | 16.9  | 0.8  | 19 |                           |                  |
|               |               | 140DT  | 151.9     | 70.1   | 56.9                       | 50.4  | 46.2  | 40.9  | 37.6  | 35.1  | 1.4  | 35 |                           |                  |
| 300           | 180DT         | 334.5  | 158.9     | 129.0  | 114.3                      | 104.8 | 92.8  | 85.1  | 79.6  | 2.6   | 47   |    |                           |                  |
|               | 210DT         | 462.2  | 213.5     | 173.2  | 153.6                      | 141.5 | 125.1 | 113.1 | 102.5 | 3.3   | 52   |    |                           |                  |
|               | 250DT         | 677.9  | 293.9     | 238.7  | 211.4                      | 193.9 | 171.7 | 157.5 | 147.3 | 4.4   | 52   |    |                           |                  |
|               | 350DT         | 2198.0 | 953.4     | 818.0  | 724.3                      | 664.4 |       |       |       | 9.6   | 80   |    |                           |                  |
|               | 80DT          | 38.1   | 8.1       | 6.9    | 5.7                        | 4.9   | 4.3   | 3.6   |       | 0.7   | 19   |    |                           |                  |
|               | 110DT         | 77.4   | 33.0      | 26.8   | 23.7                       | 21.8  | 19.3  | 17.7  | 16.5  | 0.8   | 19   |    |                           |                  |
| 330           | 140DT         | 153.9  | 68.6      | 55.7   | 49.3                       | 45.2  | 40.0  | 36.7  | 34.4  | 1.4   | 35   |    |                           |                  |
|               | 180DT         | 398.4  | 189.4     | 153.9  | 136.3                      | 125.0 | 110.7 | 101.5 | 94.9  | 2.9   | 47   |    |                           |                  |
|               | 210DT         | 469.2  | 212.6     | 171.6  | 150.4                      | 139.8 | 123.2 | 111.6 | 100.4 | 3.3   | 52   |    |                           |                  |
|               | 250DT         | 683.7  | 286.8     | 233.0  | 206.3                      | 189.2 | 167.6 | 153.7 | 143.8 | 4.3   | 52   |    |                           |                  |
|               | 350DT         | 2223.0 | 931.8     | 799.4  | 707.9                      | 649.3 |       |       |       | 9.5   | 80   |    |                           |                  |
|               | 80DT          | 22.1   | 8.0       | 6.2    | 5.8                        | 4.9   | 4.5   | 3.7   |       | 0.6   | 16   |    |                           |                  |
| 150           | 110DT         | 47.1   | 27.0      | 22.0   | 19.1                       | 17.8  | 15.8  | 14.5  | 13.5  | 0.7   | 19   |    |                           |                  |
|               |               | 140DT  | 88.8      | 51.1   | 41.5                       | 36.8  | 33.7  | 29.9  | 27.4  |       | 1.1  | 30 |                           |                  |
|               |               | 180DT  | 173.6     | 103.0  | 83.7                       | 74.1  | 68.0  | 60.2  | 55.2  |       | 2.1  | 35 |                           |                  |
|               |               | 210DT  | 206.4     | 150.6  | 122.4                      | 108.4 | 99.4  | 88.1  |       |       | 2.7  | 40 |                           |                  |
|               |               | 250DT  | 468.6     | 265.2  | 215.4                      | 190.7 | 174.9 | 154.9 |       |       | 4.0  | 47 |                           |                  |
|               |               | 350DT  | 1186.3    | 647.3  | 555.3                      | 491.7 | 451.0 |       |       |       | 7.5  | 60 |                           |                  |
|               | 80DT          | 23.5   | 8.5       | 6.8    | 6.0                        | 5.2   | 4.8   | 4.1   |       | 0.6   | 16   |    |                           |                  |
|               |               | 110DT  | 49.1      | 26.1   | 21.2                       | 18.8  | 17.2  | 15.3  | 14.0  | 13.1  | 0.7  | 19 |                           |                  |
|               |               | 140DT  | 93.2      | 49.6   | 40.3                       | 35.7  | 32.7  | 29.0  | 26.6  | 24.8  | 1.0  | 30 |                           |                  |
|               |               | 180DT  | 227.4     | 130.3  | 105.9                      | 93.7  | 86.0  | 76.1  | 69.8  | 65.3  | 2.3  | 35 |                           |                  |
|               |               | 210DT  | 438.6     | 227.3  | 184.7                      | 163.5 | 150.0 | 132.8 | 121.8 |       | 3.4  | 47 |                           |                  |
|               |               | 250DT  | 485.5     | 255.5  | 207.6                      | 183.8 | 168.6 | 149.3 |       |       | 4.0  | 47 |                           |                  |
| 12            | 350DT         | 1237.8 | 628.0     | 537.0  | 475.5                      | 436.2 |       |       |       | 7.2   | 60   |    |                           |                  |
|               |               | 80DT   | 29.0      | 8.2    | 6.8                        | 6.1   | 5.2   | 4.8   | 4.1   |       | 0.6  | 16 |                           |                  |
|               |               | 110DT  | 50.5      | 25.3   | 20.5                       | 18.2  | 17.2  | 15.3  | 14.0  | 13.1  | 0.7  | 19 |                           |                  |
|               |               | 140DT  | 117.2     | 62.0   | 50.4                       | 44.6  | 40.9  | 36.2  | 33.2  | 31.1  | 1.2  | 30 |                           |                  |
|               |               | 180DT  | 235.3     | 126.6  | 102.8                      | 91.0  | 83.5  | 73.9  | 67.8  | 63.4  | 2.2  | 35 |                           |                  |
|               |               | 210DT  | 459.8     | 215.9  | 175.4                      | 155.3 | 142.5 | 134.0 | 115.7 |       | 3.3  | 47 |                           |                  |
|               | 180           | 250DT  | 496.6     | 246.8  | 200.4                      | 177.5 | 162.8 | 144.2 | 132.2 |       | 3.8  | 47 |                           |                  |
|               |               | 350DT  | 1272.2    | 605.9  | 519.9                      | 460.3 | 422.2 |       |       |       | 6.9  | 60 |                           |                  |
|               |               | 80DT   | 30.2      | 8.0    | 6.5                        | 5.7   | 4.9   | 4.2   | 3.8   |       | 0.6  | 16 |                           |                  |
|               |               | 110DT  | 51.4      | 24.5   | 19.9                       | 17.6  | 16.2  | 14.3  | 13.1  | 12.3  | 0.7  | 19 |                           |                  |
|               |               | 140DT  | 119.9     | 60.2   | 48.9                       | 43.3  | 39.7  | 35.2  | 32.3  | 30.2  | 1.2  | 30 |                           |                  |
|               |               | 180DT  | 240.8     | 123.0  | 99.9                       | 88.5  | 81.2  | 71.9  | 65.9  | 61.7  | 2.2  | 35 |                           |                  |



## DT型

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 規格    | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)<br>分割迴轉速N(rpm) |       |       |       |      |      |      | 摩擦<br>扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|-------|----------------------|----------------------------|-------|-------|-------|------|------|------|---------------------------|------------------|
|               |               |       |                      | 50                         | 100   | 150   | 200   | 300  | 400  | 500  |                           |                  |
|               |               |       |                      |                            |       |       |       |      |      |      |                           |                  |
| 20            | ※330          | 80DT  | 38.1                 | 8.1                        | 6.9   | 5.7   | 4.9   | 4.3  | 3.6  |      | 0.7                       | 19               |
|               | 330           | 110DT |                      | 8.5                        | 6.9   | 6.1   | 5.6   | 5.0  | 4.6  | 4.3  | 0.3                       | 16               |
|               |               | 140DT | 64.1                 | 27.7                       | 23.6  | 20.9  | 19.1  | 16.9 | 15.6 | 14.5 | 0.7                       | 19               |
|               |               | 180DT |                      | 63.1                       | 51.3  | 45.4  | 41.7  | 36.9 | 33.8 | 31.6 | 1.4                       | 22               |
|               |               | 210DT | 191.2                | 84.7                       | 67.6  | 58.1  | 54.1  | 46.3 | 42.1 |      | 1.9                       | 30               |
|               |               | 250DT |                      | 91.8                       | 74.6  | 66.0  | 60.6  | 53.6 | 49.2 |      | 2.1                       | 30               |
|               |               | 350DT | 675.4                | 263.0                      | 242.8 | 215.0 | 197.2 |      |      |      | 4.3                       | 47               |
| 90            | ※90           | 80DT  |                      | 4.9                        | 3.1   | 2.2   | 1.7   |      |      |      | 0.6                       | 16               |
|               | 90            | 110DT | 7.9                  | 5.9                        | 4.8   | 4.2   | 3.9   |      |      |      | 0.4                       | 12               |
|               |               | 140DT |                      | 18.9                       | 18.9  | 18.9  | 18.9  | 18.9 |      |      | 0.8                       | 16               |
|               |               | 180DT | 72.9                 | 32.9                       | 32.9  | 32.9  | 32.5  |      |      |      | 1.3                       | 19               |
|               |               | 210DT |                      | 58.4                       | 51.3  | 46.7  | 43.2  |      |      |      | 1.5                       | 22               |
|               |               | 250DT | 107.2                | 65.7                       | 53.3  | 47.2  | 43.3  | 38.4 |      |      | 1.7                       | 22               |
|               |               | 350DT |                      | 224.2                      | 192.3 |       |       |      |      |      | 3.8                       | 35               |
| 120           | ※120          | 80DT  | 18.2                 | 5.0                        | 3.1   | 2.3   | 1.8   |      |      |      | 0.6                       | 16               |
|               | 120           | 110DT |                      | 5.6                        | 4.6   | 4.0   | 3.7   | 3.3  |      |      | 0.3                       | 12               |
|               |               | 140DT | 57.5                 | 19.4                       | 19.4  | 19.4  | 19.4  | 19.4 |      |      | 0.7                       | 16               |
|               |               | 180DT |                      | 33.7                       | 33.7  | 33.2  | 30.4  | 26.9 |      |      | 1.2                       | 19               |
|               |               | 210DT | 113.2                | 59.8                       | 52.2  | 48.1  | 44.1  | 39.0 |      |      | 1.5                       | 22               |
|               |               | 250DT |                      | 94.7                       | 76.9  | 68.1  | 62.5  |      |      |      | 1.9                       | 22               |
|               |               | 350DT | 375.9                | 209.8                      | 180.0 | 159.4 |       |      |      |      | 3.7                       | 35               |
| 150           | ※150          | 80DT  |                      | 8.0                        | 6.2   | 5.8   | 4.9   | 4.5  | 3.7  |      | 0.6                       | 16               |
|               | 150           | 110DT | 8.8                  | 5.3                        | 4.3   | 3.8   | 3.5   | 3.1  | 2.9  |      | 0.3                       | 12               |
|               |               | 140DT |                      | 19.7                       | 19.7  | 19.7  | 19.7  | 19.7 | 18.7 | 17.5 | 0.7                       | 16               |
|               |               | 180DT | 77.8                 | 34.0                       | 34.0  | 31.4  | 28.8  | 25.5 | 23.4 |      | 1.2                       | 19               |
|               |               | 210DT |                      | 57.7                       | 50.5  | 45.4  | 41.7  | 36.9 |      |      | 1.5                       | 22               |
|               |               | 250DT | 165.3                | 89.3                       | 72.5  | 64.2  | 58.9  |      |      |      | 1.9                       | 22               |
|               |               | 350DT |                      | 257.0                      | 220.4 | 195.2 | 179.1 |      |      |      | 3.9                       | 35               |
| 180           | ※180          | 80DT  | 23.5                 | 8.5                        | 6.8   | 6.0   | 5.2   | 4.8  | 4.1  |      | 0.6                       | 16               |
|               | 180           | 110DT |                      | 10.7                       | 8.7   | 7.7   | 7.1   | 6.3  | 5.7  | 5.4  | 0.4                       | 14               |
|               |               | 140DT | 60.0                 | 19.8                       | 19.8  | 19.8  | 19.8  | 19.4 | 17.8 | 16.7 | 0.7                       | 16               |
|               |               | 180DT |                      | 34.2                       | 33.7  | 29.9  | 27.4  | 24.3 | 22.3 |      | 1.2                       | 19               |
|               |               | 210DT | 116.4                | 55.9                       | 48.8  | 43.2  | 39.6  | 35.1 | 32.2 |      | 1.5                       | 22               |
|               |               | 250DT |                      | 84.9                       | 68.9  | 61.0  | 56.0  | 49.6 |      |      | 1.9                       | 26               |
|               |               | 350DT | 482.2                | 244.6                      | 209.9 | 185.8 | 170.5 |      |      |      | 3.9                       | 40               |
| 210           | ※210          | 80DT  |                      | 8.2                        | 6.8   | 6.1   | 5.2   | 4.8  | 4.1  |      | 0.6                       | 16               |
|               | 210           | 110DT | 18.1                 | 10.3                       | 8.4   | 7.4   | 6.8   | 6.0  | 5.5  | 5.2  | 0.4                       | 14               |
|               |               | 140DT |                      | 19.9                       | 19.9  | 19.9  | 19.9  | 18.6 | 17.1 | 16.0 | 0.7                       | 16               |
|               |               | 180DT | 79.3                 | 34.4                       | 32.3  | 28.6  | 26.3  | 23.3 | 21.3 | 19.9 | 1.2                       | 19               |
|               |               | 210DT |                      | 54.5                       | 46.7  | 41.3  | 38.0  | 33.7 | 30.8 |      | 1.5                       | 22               |
|               |               | 250DT | 167.6                | 81.3                       | 66.0  | 58.4  | 53.6  | 47.5 |      |      | 1.8                       | 26               |
|               |               | 350DT |                      | 234.4                      | 201.1 | 178.0 | 163.3 |      |      |      | 3.8                       | 40               |
| 240           | ※240          | 80DT  | 30.2                 | 8.3                        | 6.5   | 5.7   | 4.9   | 4.2  | 3.8  |      | 0.6                       | 16               |
|               | 240           | 110DT |                      | 9.9                        | 8.1   | 7.2   | 6.6   | 5.8  | 5.3  | 5.0  | 0.4                       | 14               |
|               |               | 140DT | 60.9                 | 20.0                       | 20.0  | 20.0  | 20.0  | 18.0 | 16.5 | 15.4 | 0.7                       | 16               |
|               |               | 180DT |                      | 34.4                       | 31.1  | 27.6  | 25.3  | 22.4 | 20.5 | 19.2 | 1.2                       | 19               |
|               |               | 210DT | 118.2                | 53.2                       | 45.2  | 40.1  | 36.4  | 31.2 | 29.3 |      | 1.5                       | 22               |
|               |               | 250DT |                      | 78.2                       | 63.5  | 56.3  | 51.6  | 45.7 |      |      | 1.8                       | 26               |
|               |               | 350DT | 487.6                | 225.7                      | 193.6 | 171.4 | 157.2 |      |      |      | 3.8                       | 40               |
| 270           | ※270          | 80DT  |                      | 9.2                        | 8.0   | 7.1   | 6.3   | 5.8  | 4.3  |      | 0.6                       | 16               |
|               | 270           | 110DT | 18.4                 | 9.6                        | 7.8   | 6.9   | 6.4   | 5.6  | 5.2  | 4.8  | 0.3                       | 14               |
|               |               | 140DT |                      | 20.0                       | 20.0  | 20.0  | 19.6  | 17.4 | 15.9 | 14.9 | 0.7                       | 16               |
|               |               | 180DT | 79.9                 | 34.5                       | 30.1  | 26.7  | 24.5  | 21.7 | 19.9 | 18.6 | 1.2                       | 19               |
|               |               | 210DT |                      | 52.1                       | 43.5  | 38.5  | 35.4  | 31.3 | 28.7 | 26.8 | 1.5                       | 22               |
|               |               | 250DT | 168.7                | 75.6                       | 61.4  | 54.4  | 49.9  | 44.2 | 40.5 |      | 1.8                       | 26               |
|               |               | 350DT |                      | 218.2                      | 187.2 | 165.7 | 152.0 |      |      |      | 3.8                       | 40               |
| 300           | ※300          | 80DT  | 32.7                 | 8.4                        | 6.7   | 5.9   | 5.1   | 4.4  | 4.0  |      | 0.6                       | 16               |
|               | 300           | 110DT |                      | 9.4                        | 7.6   | 6.7   | 6.2   | 5.5  | 5.0  | 4.7  | 0.3                       | 14               |
|               |               | 140DT | 61.3                 | 20.1                       | 20.1  | 20.1  | 19.0  | 16.9 | 15.5 | 14.5 | 0.7                       | 16               |
|               |               | 180DT |                      | 34.5                       | 29.2  | 25.9  | 23.7  | 21.0 | 19.3 | 18.0 | 1.2                       | 19               |
|               |               | 210DT | 118.4                | 51.6                       | 41.8  | 36.7  | 34.2  | 30.1 | 26.1 | 24.2 | 1.5                       | 22               |
|               |               | 250DT |                      | 73.3                       | 59.5  | 52.7  | 48.4  | 42.8 | 39.3 |      | 1.8                       | 26               |
|               |               | 350DT | 490.2                | 211.6                      | 181.5 | 160.7 | 147.4 |      |      |      | 3.8                       | 40               |
| 330           | ※330          | 80DT  |                      | 8.2                        | 6.4   | 5.3   | 4.8   | 4.0  | 3.6  |      | 0.6                       | 16               |
|               | 330           | 110DT | 18.6                 | 9.1                        | 7.4   | 6.5   | 6.0   | 5.3  | 4.9  | 4.6  | 0.3                       | 14               |
|               |               | 140DT |                      | 20.1                       | 20.1  | 20.1  | 18.5  | 16.4 | 15.0 | 14.1 | 0.7                       | 16               |
|               |               | 180DT | 80.3                 | 34.6                       | 28.4  | 25.2  | 23.1  | 20.4 | 18.7 | 17.5 | 1.2                       | 19               |
|               |               | 210DT |                      | 49.8                       | 41.0  | 35.2  | 33.1  | 29.1 | 24.6 | 22.8 | 1.5                       | 22               |
|               |               | 250DT | 169.2                | 71.3                       | 57.9  | 51.3  | 47.0  | 41.6 | 38.2 |      | 1.8                       | 26               |
|               |               | 350DT | 491.0                | 205.8                      | 176.6 | 156.3 | 143.4 |      |      |      | 3.7                       | 40               |
| 30            | ※90           | 80DT  | 17.0                 | 4.8                        | 3.1   | 2.0   | 1.6   | 1.2  | 1.0  |      | 0.6                       | 14               |
|               |               | 110DT | 37.0                 | 13.6                       | 13.6  | 13.6  | 13.6  |      |      |      | 0.7                       | 16               |

PS: ○: 1DWELL ※: 2DWELL ●: 3DWELL ☆: 4DWELL

## DT型

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 規格     | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)<br>分割迴轉速N(rpm) |       |       |       |      |      |      | 摩擦<br>扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|--------|----------------------|----------------------------|-------|-------|-------|------|------|------|---------------------------|------------------|
|               |               |        |                      | 50                         | 100   | 150   | 200   | 300  | 400  | 500  |                           |                  |
|               |               |        |                      |                            |       |       |       |      |      |      |                           |                  |
| 32            | ※120          | 210DT  | 169.7                | 101.5                      | 82.5  | 73.0  | 67.1  |      |      |      | 2.1                       | 30               |
|               |               | 250DT  | 236.3                | 136.7                      | 111.0 | 98.3  |       |      |      |      | 2.7                       | 40               |
|               |               | 350DT  | 706.7                | 406.5                      | 349.0 |       |       |      |      |      | 5.5                       | 47               |
|               | ※150          | 80DT   | 16.4                 | 4.5                        | 3.3   | 2.4   | 1.8   | 1.3  | 1.0  |      | 0.6                       | 14               |
|               |               | 110DT  | 43.1                 | 14.6                       | 14.6  | 14.6  | 14.6  | 14.0 | 12.9 |      | 0.6                       | 16               |
|               |               | 140DT  | 64.9                 | 38.0                       | 38.0  | 27.3  | 25.1  | 22.2 |      |      | 0.9                       | 22               |
|               |               | 180DT  | 149.6                | 90.5                       | 90.5  | 65.1  | 59.7  | 52.9 |      |      | 1.7                       | 30               |
|               |               | 210DT  | 226.9                | 129.7                      | 129.7 | 94.7  | 85.6  | 75.8 |      |      | 2.3                       | 35               |
|               |               | 250DT  | 304.3                | 168.9                      | 168.9 | 121.4 | 111.4 |      |      |      | 2.9                       | 40               |
|               | ※180          | 350DT  | 737.1                | 308.5                      | 333.3 | 295.1 |       |      |      |      | 5.3                       | 47               |
|               |               | 80DT   | 20.2                 | 5.2                        | 3.5   | 2.5   | 1.9   | 1.4  | 1.1  |      | 0.6                       | 14               |
|               |               | 110DT  | 44.2                 | 14.8                       | 14.8  | 14.8  | 14.8  | 13.4 | 12.3 | 11.5 | 0.6                       | 16               |
| 140DT         |               | 66.9   | 36.5                 | 29.7                       | 26.3  | 24.1  | 21.3  | 19.6 |      | 0.8  | 22                        |                  |
| 180DT         |               | 154.6  | 87.2                 | 70.8                       | 62.7  | 57.5  | 50.9  |      |      | 1.7  | 30                        |                  |
| 210DT         |               | 232.5  | 124.3                | 101.0                      | 89.4  | 82.0  | 72.6  |      |      | 2.3  | 35                        |                  |
| ※210          | 250DT         | 310.5  | 161.5                | 131.2                      | 116.1 | 106.5 |       |      |      | 2.8  | 40                        |                  |
|               | 350DT         | 755.4  | 372.4                | 319.5                      | 282.9 |       |       |      |      | 5.2  | 47                        |                  |
|               | 80DT          | 21.0   | 5.5                  | 3.6                        | 2.7   | 2.0   | 1.6   | 1.3  |      | 0.6  | 14                        |                  |
|               | 110DT         | 44.9   | 15.0                 | 15.0                       | 15.0  | 14.6  | 12.9  | 11.9 | 11.1 | 0.6  | 16                        |                  |
|               | 140DT         | 68.2   | 35.2                 | 28.6                       | 25.3  | 23.2  | 20.6  | 18.9 |      | 0.8  | 22                        |                  |
|               | 180DT         | 157.9  | 84.1                 | 68.3                       | 60.5  | 55.5  | 49.1  | 45.1 |      | 1.7  | 30                        |                  |
| ※240          | 210DT         | 236.1  | 119.5                | 97.1                       | 86.1  | 78.9  | 69.8  |      |      | 2.3  | 35                        |                  |
|               | 250DT         | 314.3  | 155.1                | 128.0                      | 111.6 | 102.3 |       |      |      | 2.7  | 40                        |                  |
|               | 350DT         | 1029.3 | 506.1                | 434.2                      | 394.5 | 352.7 |       |      |      | 5.9  | 47                        |                  |
|               | 80DT          | 22.1   | 5.5                  | 3.6                        | 2.7   | 2.0   | 1.7   | 1.2  |      | 0.6  | 14                        |                  |
|               | 110DT         | 45.4   | 15.0                 | 5.0                        | 15.0  | 14.1  | 12.6  | 11.5 | 10.7 | 0.6  | 16                        |                  |
|               | 140DT         | 69.1   | 34.1                 | 27.7                       | 24.5  | 22.5  | 19.9  | 18.3 | 17.1 | 0.8  | 22                        |                  |
| ※270          | 180DT         | 160.2  | 81.4                 | 66.1                       | 58.5  | 53.7  | 47.5  | 43.6 |      | 1.6  | 30                        |                  |
|               | 210DT         | 238.2  | 117.5                | 96.3                       | 84.2  | 77.3  | 68.5  |      |      | 2.2  | 35                        |                  |
|               | 250DT         | 316.9  | 149.7                | 121.6                      | 107.6 | 98.7  | 87.4  |      |      | 2.7  | 40                        |                  |
|               | 350DT         | 1040.4 | 488.8                | 419.4                      | 371.4 | 340.7 |       |      |      | 5.9  | 47                        |                  |
|               | 80DT          | 22.9   | 5.6                  | 4.9                        | 2.6   | 1.9   | 1.5   | 1.0  |      | 0.6  | 14                        |                  |
|               | 110DT         | 45.8   | 15.1                 | 15.1                       | 14.9  | 13.7  | 12.1  | 11.1 | 10.4 | 0.6  | 16                        |                  |
| ※300          | 140DT         | 69.7   | 33.0                 | 26.8                       | 23.8  | 21.8  | 19.3  | 17.7 | 16.6 | 0.8  | 22                        |                  |
|               | 180DT         | 167.8  | 83.7                 | 67.9                       | 60.2  | 55.2  | 48.9  | 44.8 | 41.9 | 1.7  | 30                        |                  |
|               | 210DT         | 244.4  | 106.6                | 86.6                       | 76.7  | 70.3  | 62.3  | 57.1 |      | 2.1  | 35                        |                  |
|               | 250DT         | 318.8  | 144.9                | 117.7                      | 104.2 | 95.6  | 84.6  |      |      | 2.7  | 40                        |                  |
|               | 350DT         | 1048.2 | 473.6                | 406.3                      | 359.8 | 330.1 |       |      |      | 5.8  | 47                        |                  |
|               | ※330          | 80DT   | 23.2                 | 5.6                        | 3.8   | 2.7   | 1.8   | 1.6  | 1.1  |      | 0.6                       | 14               |
| 110DT         |               | 46.0   | 15.1                 | 15.1                       | 14.5  | 13.3  | 11.8  | 10.8 | 10.1 | 0.6  | 16                        |                  |
| 140DT         |               | 70.2   | 32.1                 | 26.1                       | 23.1  | 21.2  | 18.8  | 17.2 | 16.1 | 0.8  | 22                        |                  |
| 180DT         |               | 169.1  | 81.3                 | 66.1                       | 58.5  | 53.7  | 47.5  | 43.6 | 40.8 | 1.7  | 30                        |                  |
| 210DT         |               | 246.3  | 105.4                | 85.1                       | 74.9  | 68.9  | 60.3  | 54.9 |      | 2.1  | 35                        |                  |
| 250DT         |               | 320.1  | 140.7                | 114.2                      | 101.2 | 92.8  | 82.2  |      |      | 2.7  | 40                        |                  |
| ※90           | 350DT         | 1048.2 | 473.6                | 406.3                      | 359.8 | 330.1 |       |      |      | 5.8  | 47                        |                  |
|               | 80DT          | 23.4   | 5.7                  | 3.9                        | 2.8   | 1.8   | 1.5   | 1.0  |      | 0.6  | 14                        |                  |
|               | 110DT         | 46.2   | 15.2                 | 15.2                       | 14.1  | 12.9  | 11.5  | 10.5 | 9.8  | 0.6  | 16                        |                  |
|               | 140DT         | 70.5   | 31.3                 | 25.4                       | 22.5  | 20.6  | 18.3  | 16.8 | 15.7 | 0.8  | 22                        |                  |
|               | 180DT         | 170.0  | 79.3                 | 64.4                       | 57.0  | 52.3  | 46.3  | 42.5 | 39.7 | 1.7  | 30                        |                  |
|               | 210DT         | 251.3  | 103.2                | 84.0                       | 73.2  | 67.1  | 58.4  | 52.6 |      | 2.1  | 35                        |                  |
| ※120          | 250DT         | 321.1  | 136.9                | 111.2                      | 98.5  | 90.3  | 80.0  |      |      | 2.6  | 40                        |                  |
|               | 350DT         | 1058.2 | 448.1                | 384.4                      | 340.4 | 312.2 |       |      |      | 5.7  | 47                        |                  |
|               | 80DT          | 19.0   | 6.2                  | 4.8                        | 3.9   | 3.0   | 2.6   | 2.0  |      | 0.7  | 12                        |                  |
|               | 110DT         | 14.8   | 11.3                 | 9.2                        | 8.1   | 7.5   |       |      |      | 0.4  | 14                        |                  |
|               | 140DT         | 52.0   | 18.5                 | 18.5                       | 18.5  | 18.5  |       |      |      | 0.8  | 19                        |                  |
|               | 180DT         | 77.8   | 54.8                 | 44.5                       | 39.4  |       |       |      |      | 1.4  | 22                        |                  |
| ※150          | 210DT         | 125.1  | 83.1                 | 69.4                       | 60.3  | 56.1  |       |      |      | 1.8  | 26                        |                  |
|               | 250DT         | 185.7  | 120.5                | 97.8                       |       |       |       |      |      | 2.3  | 30                        |                  |
|               | 350DT         | 432.9  | 268.9                |                            |       |       |       |      |      | 4.3  | 40                        |                  |
|               | 80DT          | 20.5   | 6.4                  | 5.0                        | 4.2   | 3.3   | 2.9   | 2.3  |      | 0.7  | 12                        |                  |
|               | 110DT         | 16.2   | 10.8                 | 8.8                        | 7.8   | 7.2   | 6.3   |      |      | 0.4  | 14                        |                  |
|               | 140DT         | 55.8   | 19.1                 | 19.1                       | 19.1  | 19.1  | 19.1  |      |      | 0.8  | 19                        |                  |
| ※180          | 180DT         | 83.4   | 52.1                 | 42.3                       | 37.5  | 34.4  |       |      |      | 1.3  | 22                        |                  |
|               | 210DT         | 138.9  | 82.6                 | 67.1                       | 59.4  | 54.5  |       |      |      | 1.8  | 26                        |                  |
|               | 250DT         | 194.5  | 113.1                | 91.8                       | 81.3  |       |       |      |      | 2.2  | 30                        |                  |
|               | 350DT         | 627.9  | 369.6                | 317.1                      |       |       |       |      |      | 4.8  | 40                        |                  |
|               | 80DT          | 24.0   | 7.8                  | 6.5                        | 5.6   | 4.6   | 4.4   | 4.0  |      | 0.7  | 12                        |                  |
|               | 110DT         | 17.0   | 10.4                 | 8.4                        | 7.5   | 6.9   | 6.1   |      |      | 0.4  | 14                        |                  |
| ※210          | 140DT         | 57.9   | 19.5                 | 19.5                       | 19.5  | 19.5  | 19.0  |      |      | 0.7  | 19                        |                  |
|               | 180DT         | 86.5   | 49.6                 | 40.0                       | 35.7  | 32.7  |       |      |      | 1.3  | 22                        |                  |
|               | 210DT         | 134.9  | 75.5                 | 61.3                       | 54.3  | 49.8  |       |      |      | 1.7  | 26                        |                  |
|               | 250DT         | 207.6  | 114.3                | 92.8                       | 82.2  | 75.4  |       |      |      | 2.2  | 30                        |                  |
|               | 350DT         | 646.3  | 350.7                | 300.9                      | 284.9 |       |       |      |      | 4.6  | 40                        |                  |



DT型

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 規格    | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)<br>分割迴轉速N(rpm) |       |       |       |      |      |      | 摩擦<br>扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|-------|----------------------|----------------------------|-------|-------|-------|------|------|------|---------------------------|------------------|
|               |               |       |                      | 50                         | 100   | 150   | 200   | 300  | 400  | 500  |                           |                  |
|               |               |       |                      | 50                         | 100   | 150   | 200   | 300  | 400  | 500  |                           |                  |
| 48            | ※<br>210      | 140DT | 60.5                 | 19.9                       | 19.9  | 19.9  | 19.9  | 18.6 | 17.1 |      | 0.7                       | 16               |
|               |               | 180DT | 79.3                 | 34.4                       | 32.3  | 28.6  | 26.3  | 23.3 |      |      | 1.2                       | 19               |
|               |               | 210DT | 117.1                | 54.5                       | 46.7  | 41.4  | 36.9  | 32.7 |      |      | 1.5                       | 22               |
|               |               | 250DT | 167.6                | 81.3                       | 66.0  | 58.4  | 53.6  |      |      |      | 1.8                       | 22               |
|               |               | 350DT | 485.4                | 234.4                      | 201.1 | 178.0 | 163.3 |      |      |      | 3.8                       | 35               |
|               | ☆240          | 80DT  | 30.2                 | 8.3                        | 6.5   | 5.7   | 5.2   | 4.9  | 4.2  | 3.8  | 0.6                       | 16               |
|               |               | 110DT | 18.3                 | 9.9                        | 8.1   | 7.1   | 6.6   | 5.8  | 5.3  | 5.0  | 0.4                       | 12               |
|               | ※<br>240      | 140DT | 60.9                 | 20.0                       | 20.0  | 19.5  | 19.0  | 18.0 | 16.5 | 15.4 | 0.7                       | 16               |
|               |               | 180DT | 79.7                 | 34.4                       | 31.1  | 28.3  | 25.3  | 22.4 | 20.5 |      | 1.2                       | 19               |
|               |               | 210DT | 117.9                | 53.8                       | 46.1  | 40.2  | 35.2  | 31.6 |      |      | 1.5                       | 22               |
|               |               | 250DT | 168.2                | 78.2                       | 63.5  | 58.4  | 51.6  |      |      |      | 1.8                       | 22               |
|               |               | 350DT | 487.6                | 225.7                      | 193.6 | 177.1 | 157.2 |      |      |      | 3.8                       | 35               |
|               | ☆270          | 80DT  | 31.5                 | 9.2                        | 8.0   | 6.9   | 6.4   | 5.6  | 4.3  | 3.8  | 0.6                       | 16               |
|               |               | 110DT | 18.4                 | 9.6                        | 7.8   | 7.0   | 6.4   | 5.6  | 5.2  | 4.9  | 0.3                       | 12               |
|               | ※<br>270      | 140DT | 61.2                 | 20.0                       | 20.0  | 19.4  | 18.6  | 17.4 | 15.9 |      | 0.7                       | 16               |
|               |               | 180DT | 79.9                 | 34.5                       | 30.1  | 27.4  | 23.2  | 21.7 | 19.9 |      | 1.2                       | 19               |
|               |               | 210DT | 117.9                | 52.1                       | 43.5  | 37.3  | 33.8  | 30.3 |      |      | 1.5                       | 22               |
|               |               | 250DT | 168.7                | 75.6                       | 61.4  | 57.6  | 49.3  | 44.2 |      |      | 1.8                       | 22               |
|               |               | 350DT | 489.1                | 218.2                      | 187.2 | 165.9 | 155.1 |      |      |      | 3.8                       | 35               |
|               | ☆300          | 80DT  | 32.7                 | 8.4                        | 6.7   | 6.3   | 5.8   | 4.4  | 4.0  | 3.6  | 0.6                       | 16               |
|               |               | 110DT | 18.5                 | 9.4                        | 7.6   | 6.8   | 6.2   | 5.5  | 5.0  | 4.6  | 0.3                       | 12               |
|               |               | 140DT | 61.3                 | 20.1                       | 20.1  | 18.9  | 18.4  | 16.9 | 15.5 | 14.2 | 0.7                       | 16               |
|               |               | 180DT | 80.1                 | 34.5                       | 29.2  | 26.2  | 24.3  | 21.0 | 19.3 |      | 1.2                       | 19               |
|               |               | 210DT | 118.6                | 50.6                       | 42.1  | 36.5  | 32.1  | 29.6 |      |      | 1.5                       | 22               |
|               | ※<br>300      | 250DT | 169.0                | 73.3                       | 59.5  | 52.1  | 47.1  | 42.8 |      |      | 1.8                       | 22               |
|               |               | 350DT | 490.2                | 211.6                      | 181.5 | 165.3 | 154.8 |      |      |      | 3.9                       | 35               |
|               | ☆330          | 80DT  | 33.2                 | 8.2                        | 6.4   | 6.1   | 5.4   | 4.0  | 3.6  | 3.0  | 0.6                       | 16               |
|               |               | 110DT | 18.6                 | 9.1                        | 7.4   | 6.5   | 6.1   | 5.3  | 4.9  | 4.1  | 0.3                       | 12               |
|               | ※<br>330      | 140DT | 61.5                 | 20.1                       | 20.1  | 17.4  | 17.2  | 16.4 | 15.0 | 14.5 | 0.7                       | 16               |
|               |               | 180DT | 80.3                 | 34.6                       | 28.4  | 25.8  | 23.6  | 20.4 | 18.7 |      | 1.2                       | 19               |
|               |               | 210DT | 119.2                | 49.2                       | 41.3  | 35.4  | 30.6  | 28.5 |      |      | 1.5                       | 22               |
|               |               | 250DT | 169.2                | 71.3                       | 57.9  | 50.8  | 46.3  | 41.6 |      |      | 1.8                       | 22               |
|               |               | 350DT | 491.0                | 205.8                      | 176.6 | 158.1 | 147.5 |      |      |      | 3.9                       | 35               |
| 60            | ●<br>90       | 110DT | 14.8                 | 11.3                       | 9.2   | 8.5   | 8.1   |      |      |      | 0.4                       | 14               |
|               |               | 140DT | 52.0                 | 18.5                       | 18.5  | 17.9  |       |      |      |      | 0.8                       | 19               |
|               |               | 180DT | 77.8                 | 54.8                       | 44.5  |       |       |      |      |      | 1.4                       | 22               |
|               |               | 210DT | 93.2                 | 74.8                       | 68.5  |       |       |      |      |      | 1.8                       | 26               |
|               |               | 250DT | 185.7                | 120.5                      | 97.8  |       |       |      |      |      | 2.3                       | 30               |
|               | ●<br>120      | 350DT | 432.9                | 268.9                      |       |       |       |      |      |      | 4.3                       | 40               |
|               |               | 110DT | 16.2                 | 10.8                       | 8.8   | 7.8   | 7.2   |      |      |      | 0.4                       | 14               |
|               |               | 140DT | 55.8                 | 19.1                       | 19.1  | 19.1  |       |      |      |      | 0.8                       | 19               |
|               |               | 180DT | 83.4                 | 52.1                       | 42.3  | 37.5  | 34.4  |      |      |      | 1.3                       | 22               |
|               |               | 210DT | 95.6                 | 73.2                       | 66.9  |       |       |      |      |      | 1.8                       | 26               |
|               | ●<br>150      | 250DT | 194.5                | 113.1                      | 91.8  |       |       |      |      |      | 2.2                       | 30               |
|               |               | 350DT | 627.9                | 369.6                      | 317.1 |       |       |      |      |      | 4.8                       | 40               |
|               | ●<br>180      | 110DT | 17.0                 | 10.4                       | 8.4   | 7.5   | 6.9   | 6.1  |      |      | 0.4                       | 14               |
|               |               | 140DT | 57.9                 | 19.5                       | 19.5  | 19.5  | 19.0  |      |      |      | 0.7                       | 19               |
|               |               | 180DT | 86.5                 | 49.6                       | 40.3  | 35.7  | 32.7  |      |      |      | 1.3                       | 22               |
|               |               | 210DT | 97.6                 | 71.6                       | 64.7  | 56.9  |       |      |      |      | 1.8                       | 26               |
|               |               | 250DT | 207.6                | 114.3                      | 92.8  | 82.2  |       |      |      |      | 2.2                       | 30               |
|               | ●<br>210      | 350DT | 646.3                | 350.7                      | 300.9 |       |       |      |      |      | 4.6                       | 40               |
|               |               | 110DT | 17.5                 | 10.0                       | 8.1   | 7.2   | 6.6   | 5.8  |      |      | 0.4                       | 14               |
|               |               | 140DT | 62.0                 | 27.2                       | 27.2  | 24.6  | 22.6  | 20.0 |      |      | 0.8                       | 19               |
|               |               | 180DT | 130.5                | 74.3                       | 60.4  | 53.5  | 49.1  | 43.4 |      |      | 1.5                       | 22               |
|               |               | 210DT | 108.2                | 89.6                       | 82.4  | 73.1  |       |      |      |      | 1.8                       | 26               |
|               | ●<br>240      | 250DT | 210.4                | 108.9                      | 88.5  | 78.3  |       |      |      |      | 2.2                       | 30               |
|               |               | 350DT | 657.1                | 334.8                      | 287.2 | 254.3 |       |      |      |      | 4.5                       | 40               |
|               | ●<br>270      | 110DT | 17.9                 | 9.6                        | 7.8   | 6.9   | 6.3   | 5.6  | 5.2  |      | 0.4                       | 14               |
|               |               | 140DT | 62.8                 | 27.4                       | 26.7  | 23.6  | 21.7  | 19.2 | 17.6 |      | 0.7                       | 19               |
|               |               | 180DT | 132.2                | 71.5                       | 58.1  | 51.4  | 47.2  | 41.8 |      |      | 1.4                       | 22               |
|               |               | 210DT | 112.1                | 87.5                       | 80.0  | 69.2  | 64.3  |      |      |      | 1.8                       | 26               |
|               |               | 250DT | 212.1                | 104.4                      | 84.8  | 75.1  | 68.9  |      |      |      | 2.2                       | 30               |
|               | ●<br>300      | 350DT | 663.8                | 321.3                      | 275.7 | 244.1 |       |      |      |      | 4.5                       | 40               |
|               |               | 110DT | 18.1                 | 9.3                        | 7.6   | 6.7   | 6.1   | 5.4  | 5.0  |      | 0.4                       | 14               |
|               |               | 140DT | 63.3                 | 27.5                       | 25.8  | 22.8  | 20.9  | 18.5 | 17.0 |      | 0.7                       | 19               |
|               |               | 180DT | 133.4                | 69.0                       | 56.0  | 49.6  | 45.5  | 40.3 | 37.0 |      | 1.4                       | 22               |
|               |               | 210DT | 114.5                | 85.2                       | 78.6  | 67.1  | 63.2  |      |      |      | 1.8                       | 26               |
|               | ●<br>330      | 250DT | 213.2                | 100.6                      | 81.7  | 72.3  | 66.4  |      |      |      | 2.1                       | 30               |
|               |               | 350DT | 668.3                | 309.7                      | 265.7 | 235.3 |       |      |      |      | 4.4                       | 40               |
|               | ●<br>270      | 110DT | 18.2                 | 9.0                        | 7.3   | 6.5   | 5.9   | 5.3  | 4.8  |      | 0.4                       | 14               |
|               |               | 140DT | 63.7                 | 27.6                       | 24.9  | 22.1  | 20.3  | 17.9 | 16.4 | 15.4 | 0.7                       | 19               |
|               |               | 180DT | 134.3                | 66.8                       | 54.3  | 48.0  | 44.1  | 39.0 | 35.8 |      | 1.4                       | 22               |

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 規格       | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)<br>分割迴轉速N(rpm) |       |       |       |      |      |      | 摩擦<br>扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|----------|----------------------|----------------------------|-------|-------|-------|------|------|------|---------------------------|------------------|
|               |               |          |                      | 50                         | 100   | 150   | 200   | 300  | 400  | 500  |                           |                  |
|               |               |          |                      |                            |       |       |       |      |      |      |                           |                  |
| 60            | ●<br>270      | 210DT    | 115.2                | 83.2                       | 76.9  | 65.4  | 61.3  |      |      |      | 1.8                       | 26               |
|               |               | 250DT    | 214.0                | 97.3                       | 79.0  | 70.0  | 64.2  |      |      |      | 2.1                       | 30               |
|               |               | 350DT    | 671.4                | 299.7                      | 257.1 | 227.7 | 208.8 |      |      |      | 4.4                       | 40               |
|               | ●<br>300      | 110DT    | 18.3                 | 8.8                        | 7.1   | 6.3   | 5.8   | 5.1  | 4.7  | 4.4  | 0.4                       | 14               |
|               |               | 140DT    | 63.9                 | 27.7                       | 24.2  | 21.4  | 19.7  | 17.4 | 16.0 | 14.9 | 0.7                       | 19               |
|               |               | 180DT    | 134.9                | 64.9                       | 52.7  | 46.6  | 42.8  | 37.9 | 34.8 |      | 1.4                       | 22               |
|               |               | 210DT    | 116.5                | 82.6                       | 75.4  | 64.3  | 60.9  |      |      |      | 1.8                       | 26               |
|               |               | 250DT    | 214.6                | 94.4                       | 76.6  | 67.9  | 62.3  |      |      |      | 2.1                       | 30               |
|               | ●<br>330      | 350DT    | 673.7                | 290.8                      | 249.5 | 220.9 | 202.7 |      |      |      | 4.4                       | 40               |
|               |               | 110DT    | 18.4                 | 8.5                        | 6.9   | 6.1   | 5.6   | 5.0  | 4.6  | 4.3  | 0.3                       | 14               |
|               |               | 140DT    | 64.1                 | 27.7                       | 23.6  | 20.9  | 19.1  | 16.9 | 15.5 | 14.5 | 0.7                       | 19               |
|               | ●<br>90       | 180DT    | 135.3                | 63.1                       | 51.3  | 45.4  | 41.7  | 36.9 | 33.8 | 31.6 | 1.4                       | 22               |
|               |               | 210DT    | 117.8                | 81.9                       | 74.3  | 63.6  | 59.4  | 47.6 |      |      | 1.8                       | 26               |
|               |               | 250DT    | 215.0                | 91.8                       | 74.6  | 66.0  | 60.6  | 53.6 |      |      | 2.1                       | 30               |
|               |               | 350DT    | 675.4                | 283.0                      | 242.8 | 215.0 | 197.2 |      |      |      | 4.3                       | 40               |
|               |               | ●<br>120 | 110DT                | 7.9                        | 5.9   | 4.8   | 4.2   |      |      |      |                           | 0.4              |
|               | 140DT         |          | 54.6                 | 18.9                       | 18.9  | 18.9  | 18.9  |      |      |      | 0.8                       | 16               |
|               | 180DT         |          | 72.9                 | 32.9                       | 32.9  | 32.9  |       |      |      |      | 1.3                       | 19               |
| 210DT         | 95.4          |          | 48.6                 | 42.3                       | 40.6  |       |       |      |      | 1.5  | 22                        |                  |
| 250DT         | 107.2         |          | 65.7                 | 53.3                       | 47.2  |       |       |      |      | 1.7  | 22                        |                  |
| 350DT         | 361.1         |          | 224.2                |                            |       |       |       |      |      | 3.8  | 35                        |                  |
| 110DT         | 8.5           |          | 5.6                  | 4.6                        | 4.0   | 3.7   |       |      |      | 0.3  | 12                        |                  |
| 140DT         | 57.5          |          | 19.4                 | 19.4                       | 19.4  | 19.4  |       |      |      | 0.7  | 16                        |                  |
| 180DT         | 76.1          |          | 33.7                 | 33.7                       | 33.2  | 30.4  |       |      |      | 1.2  | 19                        |                  |
| 210DT         | 98.4          |          | 80.6                 | 74.1                       |       |       |       |      |      | 1.6  | 22                        |                  |
| ●<br>150      | 250DT         | 162.7    | 94.7                 | 76.9                       |       |       |       |      |      | 1.9  | 22                        |                  |
|               | 350DT         | 375.9    | 209.8                |                            |       |       |       |      |      | 3.7  | 35                        |                  |
|               | 110DT         | 8.8      | 5.3                  | 4.3                        | 3.8   | 3.5   |       |      |      | 0.3  | 12                        |                  |
|               | 140DT         | 59.1     | 19.7                 | 19.7                       | 19.7  | 19.7  | 19.7  |      |      | 0.7  | 16                        |                  |
|               | 180DT         | 77.6     | 34.0                 | 34.0                       | 31.4  | 28.8  |       |      |      | 1.2  | 19                        |                  |
|               | 210DT         | 99.5     | 82.3                 | 65.2                       | 58.4  |       |       |      |      | 1.6  | 22                        |                  |
|               | 250DT         | 165.3    | 89.3                 | 72.5                       | 64.2  |       |       |      |      | 1.9  | 22                        |                  |
|               | 350DT         | 476.9    | 257.0                | 220.4                      |       |       |       |      |      | 3.9  | 35                        |                  |
|               | ●<br>180      | 110DT    | 17.9                 | 10.7                       | 8.7   | 7.7   | 7.1   | 6.3  |      |      | 0.4                       | 12               |
|               |               | 140DT    | 60.0                 | 19.8                       | 19.8  | 19.8  | 19.8  | 19.4 | 17.8 |      | 0.7                       | 16               |
| 180DT         |               | 78.7     | 34.2                 | 33.7                       | 29.9  | 27.4  |       |      |      | 1.2  | 19                        |                  |
| 210DT         |               | 102.1    | 83.2                 | 66.1                       | 59.3  |       |       |      |      | 1.6  | 22                        |                  |
| 250DT         |               | 166.7    | 84.9                 | 68.9                       | 61.0  |       |       |      |      | 1.9  | 22                        |                  |
| 350DT         |               | 482.2    | 244.6                | 209.9                      |       |       |       |      |      | 3.9  | 35                        |                  |
| ●<br>210      | 110DT         | 18.1     | 10.3                 | 8.4                        | 7.4   | 6.8   | 6.0   | 5.5  |      | 0.4  | 12                        |                  |
|               | 140DT         | 60.5     | 19.9                 | 19.9                       | 19.9  | 19.9  | 18.6  | 17.1 |      | 0.7  | 16                        |                  |
|               | 180DT         | 79.3     | 34.4                 | 32.3                       | 28.6  | 26.3  | 23.3  |      |      | 1.2  | 19                        |                  |
|               | 210DT         | 103.4    | 79.6                 | 63.2                       | 54.1  | 50.2  |       |      |      | 1.6  | 22                        |                  |
|               | 250DT         | 167.6    | 81.3                 | 66.0                       | 58.4  | 53.6  |       |      |      | 1.8  | 22                        |                  |
|               | 350DT         | 485.4    | 234.4                | 201.1                      | 178.0 |       |       |      |      | 3.8  | 35                        |                  |
|               | 110DT         | 18.3     | 9.9                  | 8.1                        | 7.2   | 6.6   | 5.8   | 5.3  |      | 0.4  | 12                        |                  |
|               | 140DT         | 60.9     | 20.0                 | 20.0                       | 20.0  | 20.0  | 18.0  | 16.5 | 15.4 | 0.7  | 16                        |                  |
|               | 180DT         | 79.7     | 34.4                 | 31.1                       | 27.6  | 25.3  | 22.4  |      |      | 1.2  | 19                        |                  |
|               | 210DT         | 103.8    | 76.4                 | 60.2                       | 52.3  | 49.7  |       |      |      | 1.6  | 22                        |                  |
| ●<br>240      | 250DT         | 168.2    | 78.2                 | 63.5                       | 56.3  | 51.6  |       |      |      | 1.8  | 22                        |                  |
|               | 350DT         | 487.6    | 225.7                | 193.6                      | 171.4 |       |       |      |      | 3.8  | 35                        |                  |
|               | 110DT         | 18.4     | 9.6                  | 7.8                        | 6.9   | 6.4   | 5.6   | 5.2  | 4.8  | 0.3  | 12                        |                  |
|               | 140DT         | 61.2     | 20.0                 | 20.0                       | 20.0  | 19.6  | 17.4  | 15.9 | 14.9 | 0.7  | 16                        |                  |
|               | 180DT         | 79.9     | 34.5                 | 30.1                       | 26.7  | 24.5  | 21.7  |      |      | 1.2  | 19                        |                  |
|               | 210DT         | 104.7    | 73.1                 | 59.1                       | 51.3  | 47.2  |       |      |      | 1.6  | 22                        |                  |
|               | 250DT         | 168.7    | 75.6                 | 61.4                       | 54.4  | 49.9  |       |      |      | 1.8  | 22                        |                  |
|               | 350DT         | 489.1    | 218.2                | 187.2                      | 165.7 | 152.0 |       |      |      | 3.8  | 35                        |                  |
|               | 110DT         | 18.5     | 9.4                  | 7.6                        | 6.7   | 6.2   | 5.5   | 5.0  | 4.7  | 0.3  | 12                        |                  |
|               | 140DT         | 61.3     | 20.1                 | 20.1                       | 20.1  | 19.0  | 16.9  | 15.5 | 14.5 | 0.7  | 16                        |                  |
| ●<br>300      | 180DT         | 80.1     | 34.5                 | 29.2                       | 25.9  | 23.7  | 21.0  | 19.3 |      | 1.2  | 19                        |                  |
|               | 210DT         | 105.3    | 71.8                 | 57.3                       | 48.6  | 45.2  |       |      |      | 1.6  | 22                        |                  |
|               | 250DT         | 169.0    | 73.3                 | 59.5                       | 52.7  | 48.4  |       |      |      | 1.8  | 22                        |                  |
|               | 350DT         | 490.2    | 211.6                | 181.5                      | 160.7 | 147.4 |       |      |      | 3.8  | 35                        |                  |
|               | 110DT         | 18.6     | 9.1                  | 7.4                        | 6.5   | 6.0   | 5.3   | 4.9  | 4.6  | 0.3  | 12                        |                  |
|               | 140DT         | 61.5     | 20.1                 | 20.1                       | 20.1  | 18.5  | 16.4  | 15.0 | 14.1 | 0.7  | 16                        |                  |
| ●<br>330      | 180DT         | 80.3     | 34.6                 | 28.4                       | 25.2  | 23.1  | 20.4  | 18.7 |      | 1.2  | 19                        |                  |
|               | 210DT         | 106.2    | 70.2                 | 55.8                       | 46.2  | 44.3  | 38.2  |      |      | 1.6  | 22                        |                  |
|               | 250DT         | 169.2    | 71.3                 | 57.9                       | 51.3  | 47.0  | 41.6  |      |      | 1.8  | 22                        |                  |
|               | 350DT         | 491.0    | 205.8                | 176.6                      | 156.3 | 143.4 |       |      |      | 3.7  | 35                        |                  |



DT型(438DT)

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 靜扭力<br>Ts<br>(kgf-m) | 上段 動扭力 (kgf-m)<br>下段 內部慣性扭力(kgf-m) |                |                |                 |                 |                 |                 |                 | 摩擦扭力<br>Tx<br>(kgf-m) | 軸承套<br>ø<br>(mm) |
|---------------|---------------|----------------------|------------------------------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|------------------|
|               |               |                      | 分割迴轉速N(rpm)                        |                |                |                 |                 |                 |                 |                 |                       |                  |
|               |               |                      | 20                                 | 40             | 60             | 80              | 100             | 120             | 150             | 200             |                       |                  |
| 10            | 210           | 3150.5               | 2044.9<br>7.9                      | 1714.3<br>25.5 | 1572.6<br>45.3 | 1442.5<br>80.5  | 1349.1<br>125.7 | 1277.3<br>181.0 | 1194.6<br>282.9 | 1059.8<br>502.9 | 12.5                  | 100              |
|               | 240           | 3245.3               | 1993.9<br>6.0                      | 1671.6<br>19.5 | 1533.4<br>34.7 | 1406.6<br>61.6  | 1315.5<br>96.3  | 1245.5<br>138.6 | 1164.8<br>216.6 | 1068.5<br>385.0 | 12.3                  | 100              |
|               | 270           | 3315.3               | 1945.4<br>4.8                      | 1630.9<br>15.4 | 1496.0<br>27.4 | 1372.3<br>48.7  | 1283.5<br>76.1  | 1215.2<br>109.5 | 1136.5<br>171.1 | 1042.5<br>304.2 | 12.1                  | 100              |
|               | 300           | 3315.4               | 1899.9<br>3.9                      | 1592.7<br>12.5 | 1461.1<br>22.2 | 1340.2<br>39.4  | 1253.5<br>61.6  | 1186.7<br>88.7  | 1109.9<br>138.6 | 1018.1<br>246.4 | 12.0                  | 100              |
|               | 330           | 3368.5               | 1857.5<br>3.2                      | 1557.2<br>10.3 | 1428.5<br>18.3 | 1310.4<br>32.6  | 1225.5<br>50.9  | 1160.3<br>73.3  | 1085.1<br>114.6 | 995.4<br>203.7  | 11.9                  | 100              |
| 12            | 90            | 3409.4               | 1129.7<br>28.3                     | 947.0<br>91.8  | 868.7<br>163.1 | 796.9<br>290.9  |                 |                 |                 |                 | 9.6                   | 80               |
|               | 120           | 1438.1               | 1483.6<br>16.4                     | 1243.8<br>53.1 | 1140.9<br>94.4 | 1046.6<br>167.9 | 978.8<br>252.3  | 926.7<br>377.7  |                 |                 | 11.0                  | 80               |
|               | 150           | 2038.3               | 2165.4<br>12.8                     | 1815.3<br>41.5 | 1665.2<br>73.7 | 1527.5<br>131.0 | 1428.6<br>204.7 | 1352.6<br>294.8 | 1265.0<br>460.6 |                 | 12.0                  | 80               |
|               | 180           | 2819.5               | 2101.3<br>8.9                      | 1761.6<br>28.8 | 1615.9<br>51.2 | 1482.3<br>91.0  | 1386.3<br>142.2 | 1312.5<br>204.7 | 1227.5<br>319.8 |                 | 11.7                  | 100              |
|               | 210           | 2961.8               | 2265.3<br>6.7                      | 1899.1<br>21.7 | 1742.1<br>38.6 | 1598.0<br>68.6  | 1494.6<br>107.1 | 1415.0<br>154.3 | 1323.4<br>241.1 | 1214.0<br>428.5 | 12.2                  | 100              |
|               | 240           | 3275.8               | 2200.6<br>5.1                      | 1844.8<br>16.6 | 1692.3<br>29.5 | 1552.3<br>52.5  | 1451.8<br>82.0  | 1374.6<br>118.1 | 1285.5<br>184.6 | 1179.3<br>328.1 | 12.0                  | 100              |
|               | 270           | 3349.0               | 2140.9<br>4.1                      | 1794.8<br>13.1 | 1646.4<br>23.3 | 1510.3<br>41.5  | 1412.5<br>64.8  | 1337.3<br>93.3  | 1250.7<br>145.8 | 1147.3<br>259.2 | 11.9                  | 100              |
|               | 300           | 3441.6               | 2086.3<br>3.3                      | 1749.1<br>10.6 | 1604.4<br>18.9 | 1471.8<br>33.6  | 1376.5<br>52.5  | 1303.2<br>75.6  | 1218.8<br>118.1 | 1118.0<br>210.0 | 11.8                  | 100              |
|               | 330           | 3471.8               | 2036.4<br>2.7                      | 1707.2<br>8.8  | 1566.0<br>15.6 | 1436.5<br>27.8  | 1343.5<br>43.4  | 1272.0<br>62.5  | 1189.6<br>97.6  | 1091.3<br>173.5 | 11.8                  | 100              |
| 15            | 90            | 1211.8               | 1059.3<br>26.4                     | 888.1<br>85.5  | 814.6<br>152.0 | 747.3<br>270.2  |                 |                 |                 |                 | 8.0                   | 70               |
|               | 120           | 1697.0               | 1378.1<br>15.2                     | 1166.3<br>49.2 | 1059.8<br>87.4 | 927.2<br>155.4  | 909.2<br>242.8  | 860.8<br>349.6  |                 |                 | 8.7                   | 70               |
|               | 150           | 1791.1               | 1324.1<br>9.7                      | 1110.1<br>31.5 | 1018.3<br>55.9 | 934.1<br>99.4   | 873.6<br>155.4  | 827.1<br>223.8  | 773.5<br>349.6  |                 | 8.4                   | 70               |
|               | 180           | 1849.2               | 1273.9<br>6.7                      | 1067.9<br>21.9 | 979.6<br>38.8  | 898.6<br>69.1   | 840.4<br>107.9  | 795.7<br>155.4  | 744.2<br>242.8  |                 | 8.2                   | 80               |
|               | 210           | 2446.9               | 1661.1<br>5.0                      | 1392.6<br>16.3 | 1277.4<br>29.0 | 1171.8<br>51.6  | 1095.9<br>80.6  | 1037.5<br>116.1 | 970.4<br>181.4  | 890.2<br>322.4  | 9.9                   | 80               |
|               | 240           | 2479.8               | 1606.6<br>3.9                      | 1346.8<br>12.5 | 1235.5<br>22.2 | 1133.3<br>39.5  | 1059.9<br>61.7  | 1003.5<br>88.9  | 938.5<br>138.9  | 860.9<br>246.9  | 9.7                   | 80               |
|               | 270           | 2503.2               | 1558.1<br>3.0                      | 1306.2<br>9.9  | 1195.2<br>17.6 | 1099.1<br>31.2  | 1028.0<br>48.8  | 973.2<br>70.2   | 910.2<br>109.7  | 835.0<br>195.0  | 9.6                   | 80               |
|               | 300           | 2520.3               | 1514.8<br>2.5                      | 1269.9<br>8.0  | 1164.9<br>14.2 | 1068.6<br>25.3  | 999.4<br>39.5   | 976.2<br>56.9   | 884.9<br>88.9   | 811.7<br>158.0  | 9.6                   | 80               |
|               | 330           | 2533.2               | 1475.8<br>2.0                      | 1237.2<br>6.6  | 1134.9<br>11.8 | 1041.1<br>20.9  | 973.7<br>32.6   | 921.9<br>47.0   | 962.2<br>73.4   | 790.9<br>130.6  | 9.5                   | 80               |
| 16            | 90            | 1242.2               | 1099.2<br>24.8                     | 921.5<br>80.4  | 845.3<br>142.9 | 775.4<br>254.0  |                 |                 |                 |                 | 7.9                   | 70               |
|               | 120           | 1726.9               | 1424.8<br>14.3                     | 1194.5<br>46.3 | 1095.7<br>82.3 | 1005.1<br>146.3 | 940.0<br>228.6  | 890.0<br>329.1  |                 |                 | 8.6                   | 70               |
|               | 150           | 1813.5               | 1365.5<br>9.1                      | 1144.8<br>29.6 | 1050.1<br>52.7 | 963.3<br>93.6   | 900.9<br>146.3  | 853.0<br>210.6  | 797.7<br>329.1  |                 | 8.3                   | 70               |
|               | 180           | 1866.3               | 1311.5<br>6.3                      | 1099.5<br>20.6 | 1008.6<br>36.6 | 925.2<br>65     | 865.3<br>101.6  | 819.2<br>146.3  | 766.2<br>228.6  |                 | 8.2                   | 80               |

DT型(438DT)

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 靜扭力<br>Ts<br>(kgf-m) | 上段 動扭力 (kgf-m)<br>下段 內部慣性扭力(kgf-m) |                |                |                |                |                 |                |                 | 摩擦扭力<br>Tx<br>(kgf-m) | 軸承套<br>ø<br>(mm) |
|---------------|---------------|----------------------|------------------------------------|----------------|----------------|----------------|----------------|-----------------|----------------|-----------------|-----------------------|------------------|
|               |               |                      | 分割迴轉速N(rpm)                        |                |                |                |                |                 |                |                 |                       |                  |
|               |               |                      | 20                                 | 40             | 60             | 80             | 100            | 120             | 150            | 200             |                       |                  |
| 16            | 210           | 2463.7               | 1707.8<br>4.8                      | 1431.7<br>15.4 | 1313.4<br>27.4 | 1204.8<br>48.7 | 1126.8<br>76.1 | 1066.8<br>109.5 | 997.7<br>171.1 | 915.2<br>304.2  | 9.8                   | 80               |
|               | 240           | 2493.2               | 1650.6<br>3.6                      | 1383.7<br>11.8 | 1269.3<br>21.0 | 1164.6<br>37.3 | 1089.0<br>58.2 | 1031.0<br>83.8  | 964.2<br>131.0 | 884.5<br>232.9  | 5.7                   | 80               |
|               | 270           | 2514.0               | 1599.9<br>2.9                      | 1341.3<br>9.3  | 1230.4<br>16.6 | 1128.5<br>29.4 | 1055.6<br>46.0 | 999.4<br>66.3   | 934.7<br>103.5 | 857.4<br>184.0  | 9.6                   | 80               |
|               | 300           | 2529.3               | 1554.8<br>2.3                      | 1303.5<br>7.5  | 1195.7<br>13.4 | 1096.8<br>23.8 | 1025.8<br>37.3 | 971.2<br>53.7   | 908.3<br>83.8  | 833.2<br>149.1  | 9.5                   | 80               |
|               | 330           | 2540.7               | 1514.4<br>1.9                      | 1296.6<br>6.2  | 1164.6<br>11.1 | 1068.3<br>19.7 | 999.1<br>30.8  | 946.0<br>44.3   | 844.7<br>69.3  | 811.6<br>123.2  | 9.4                   | 80               |
| 20            | 90            | 998.7                | 868.4<br>19.3                      | 728.0<br>62.4  | 667.8<br>111.0 | 612.6<br>197.3 |                |                 |                |                 | 6.6                   | 52               |
|               | 120           | 1414.7               | 1153.6<br>11.1                     | 967.1<br>35.8  | 877.1<br>63.7  | 813.8<br>113.2 | 751.1<br>176.9 | 720.6<br>254.7  |                |                 | 7.3                   | 52               |
|               | 150           | 1458.4               | 1095.5<br>7.1                      | 918.4<br>22.9  | 842.4<br>40.8  | 772.8<br>72.5  | 722.7<br>113.2 | 648.3<br>163.0  | 540.0<br>254.7 |                 | 7.2                   | 52               |
|               | 180           | 1484.0               | 1046.2<br>4.9                      | 877.1<br>15.9  | 804.5<br>28.3  | 738.0<br>50.3  | 690.2<br>78.6  | 653.5<br>113.2  | 611.2<br>196.9 |                 | 7.0                   | 60               |
|               | 210           | 1500.1               | 1004.3<br>3.6                      | 842.0<br>11.7  | 772.3<br>20.8  | 708.5<br>37.0  | 662.6<br>57.8  | 627.3<br>83.2   | 586.7<br>130.0 | 538.2<br>231.3  | 7.0                   | 60               |
|               | 240           | 1510.8               | 968.3<br>2.8                       | 811.8<br>9.0   | 744.7<br>15.9  | 683.1<br>28.3  | 638.9<br>44.2  | 604.8<br>63.7   | 565.7<br>99.5  | 518.9<br>176.9  | 6.9                   | 60               |
|               | 270           | 1518.8               | 937.0<br>2.2                       | 785.5<br>7.1   | 720.6<br>12.6  | 661.0<br>22.4  | 618.2<br>34.9  | 585.3<br>50.3   | 547.4<br>78.6  | 502.1<br>139.8  | 6.8                   | 60               |
|               | 300           | 1523.7               | 909.5<br>1.8                       | 762.4<br>5.7   | 699.4<br>10.2  | 641.6<br>18.1  | 600.0<br>28.3  | 568.1<br>40.8   | 531.3<br>63.7  | 487.4<br>132.2  | 6.8                   | 60               |
|               | 330           | 1527.7               | 885.0<br>1.5                       | 741.9<br>4.7   | 680.6<br>8.4   | 624.3<br>15.0  | 583.9<br>23.4  | 552.8<br>33.7   | 517.0<br>52.6  | 474.3<br>93.6   | 6.8                   | 60               |
| 24            | 90            | 844.2                | 774.2<br>16.0                      | 649.1<br>51.9  | 595.4<br>92.2  | 546.2<br>163.9 |                |                 |                |                 | 5.8                   | 47               |
|               | 120           | 885.7                | 883.2<br>9.1                       | 740.4<br>29.5  | 679.2<br>52.4  | 623.0<br>93.1  | 582.7<br>145.5 | 551.6<br>209.5  |                |                 | 6.2                   | 47               |
|               | 150           | 1108.4               | 834.8<br>5.8                       | 599.8<br>18.9  | 542.0<br>33.5  | 588.9<br>59.6  | 550.8<br>93.1  | 521.4<br>134.1  | 487.7<br>209.5 |                 | 6.1                   | 47               |
|               | 180           | 1121.8               | 795.1<br>4.0                       | 666.6<br>13.1  | 611.4<br>23.3  | 560.9<br>41.4  | 524.6<br>54.7  | 496.6<br>93.1   | 464.5<br>145.5 |                 | 6.0                   | 52               |
|               | 210           | 1130.0               | 762.0<br>3.0                       | 638.8<br>9.6   | 586.0<br>17.1  | 537.5<br>30.4  | 502.0<br>47.5  | 475.9<br>68.4   | 445.1<br>106.9 | 408.3<br>1190.0 | 6.0                   | 52               |
|               | 240           | 1521.7               | 1033.4<br>2.3                      | 866.3<br>7.5   | 794.7<br>13.4  | 729.0<br>23.8  | 681.8<br>37.3  | 645.5<br>53.6   | 603.7<br>83.8  | 553.8<br>149.0  | 6.8                   | 52               |
|               | 270           | 1527.0               | 999.3<br>1.8                       | 837.7<br>6.0   | 768.4<br>10.6  | 704.9<br>18.8  | 659.3<br>29.4  | 624.2<br>42.4   | 583.8<br>66.2  | 535.5<br>117.7  | 6.8                   | 52               |
|               | 300           | 1530.8               | 969.4<br>1.5                       | 812.7<br>4.8   | 745.5<br>8.6   | 683.8<br>15.3  | 639.6<br>23.8  | 605.5<br>34.3   | 566.3<br>53.6  | 519.5<br>95.4   | 6.8                   | 52               |
|               | 330           | 1533.7               | 942.9<br>1.2                       | 790.5<br>4.0   | 725.1<br>7.1   | 665.2<br>12.6  | 622.1<br>19.7  | 589.0<br>28.4   | 550.9<br>44.3  | 505.3<br>78.8   | 6.7                   | 52               |
| 30            | 90            | 667.9                | 583.2<br>12.7                      | 488.9<br>41.1  | 448.5<br>73.1  | 411.4<br>130.0 |                |                 |                |                 | 4.9                   | 40               |
|               | 120           | 686.2                | 542.3<br>8.5                       | 454.6<br>26.7  | 417.0<br>38.4  | 382.5<br>78.5  | 357.8<br>120.6 | 338.7<br>173.5  |                |                 | 4.8                   | 40               |
|               | 150           | 695.3                | 510.5<br>4.6                       | 427.9<br>14.8  | 392.6<br>26.3  | 360.1<br>46.8  | 336.8<br>73.1  | 318.9<br>105.3  |                |                 | 4.7                   | 40               |
|               | 180           | 700.3                | 485.1<br>3.2                       | 406.6<br>10.3  | 373.0<br>32.5  | 342.2<br>32.5  | 320.0<br>50.8  | 303.0<br>73.1   | 283.4<br>114.2 |                 | 4.7                   | 40               |



DT型(438DT)

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 靜扭力<br>Ts<br>(kgf-m) | 上段 動扭力 (kgf-m)<br>下段 內部慣性扭力(kgf-m) |       |       |       |       |       |       |       | 摩擦扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|----------------------|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-----------------------|------------------|
|               |               |                      | 分割迴轉速N(rpm)                        |       |       |       |       |       |       |       |                       |                  |
|               |               |                      | 20                                 | 40    | 60    | 80    | 100   | 120   | 150   | 200   |                       |                  |
| 30            | 210           | 703.2                | 464.2                              | 398.1 | 356.9 | 327.4 | 306.2 | 289.9 | 271.2 |       | 4.7                   | 40               |
|               |               |                      | 2.3                                | 7.6   | 13.4  | 23.9  | 37.3  | 53.7  | 83.9  |       |                       |                  |
|               | 340           | 705.4                | 446.6                              | 374.4 | 343.4 | 315.0 | 290.6 | 278.9 | 260.9 | 239.3 | 4.6                   | 40               |
|               |               |                      | 1.8                                | 5.8   | 10.3  | 18.3  | 28.6  | 41.1  | 64.3  | 114.2 |                       |                  |
|               | 270           | 706.8                | 431.5                              | 361.7 | 331.8 | 304.4 | 284.7 | 269.5 | 252.1 | 231.2 | 4.6                   | 40               |
|               |               |                      | 1.4                                | 4.6   | 8.1   | 14.4  | 22.6  | 32.5  | 50.8  | 90.3  |                       |                  |
|               | 300           | 707.8                | 418.4                              | 350.7 | 321.7 | 295.1 | 276.0 | 261.3 | 244.4 | 224.2 | 4.6                   | 40               |
|               |               |                      | 1.1                                | 3.7   | 6.5   | 11.7  | 18.3  | 26.3  | 41.1  | 73.1  |                       |                  |
|               | 330           | 708.6                | 406.8                              | 341.0 | 312.8 | 287.0 | 268.4 | 254.1 | 237.6 | 218.0 | 4.6                   | 40               |
|               |               |                      | 0.9                                | 3.1   | 5.4   | 9.7   | 15.1  | 21.8  | 34.0  | 60.4  |                       |                  |
| 32            | 90            | 540.8                | 443.4                              | 386.4 | 354.5 | 325.2 |       |       |       |       | 4.5                   | 35               |
|               |               |                      | 11.8                               | 38.4  | 68.2  | 121.3 |       |       |       |       |                       |                  |
|               | 120           | 689.2                | 554.7                              | 465.0 | 426.6 | 391.3 | 366.0 | 346.5 |       |       | 4.8                   | 35               |
|               |               |                      | 6.7                                | 21.7  | 38.6  | 68.6  | 107.3 | 154.5 |       |       |                       |                  |
|               | 150           | 697.2                | 521.8                              | 437.4 | 401.3 | 368.1 | 344.3 | 325.9 |       |       | 4.7                   | 35               |
|               |               |                      | 4.3                                | 13.9  | 24.7  | 43.9  | 58.6  | 98.9  |       |       |                       |                  |
|               | 180           | 701.7                | 495.6                              | 415.5 | 381.1 | 349.6 | 327.0 | 309.6 | 289.5 |       | 4.7                   | 35               |
|               |               |                      | 3.0                                | 9.7   | 17.2  | 30.5  | 47.7  | 68.6  | 107.3 |       |                       |                  |
|               | 210           | 704.4                | 474.1                              | 397.5 | 364.6 | 334.5 | 312.8 | 296.2 | 277.0 |       | 4.7                   | 35               |
|               |               |                      | 2.2                                | 7.1   | 12.6  | 22.4  | 35.0  | 50.4  | 78.8  |       |                       |                  |
| 240           | 706.2         | 456.1                | 382.4                              | 350.7 | 321.7 | 300.9 | 284.9 | 266.4 | 236.1 | 4.6   | 35                    |                  |
|               |               | 1.7                  | 5.4                                | 9.7   | 17.2  | 25.8  | 38.6  | 60.3  | 107.3 |       |                       |                  |
| 270           | 707.5         | 440.6                | 369.4                              | 338.9 | 310.8 | 290.7 | 275.2 | 257.4 | 236.1 | 4.6   | 35                    |                  |
|               |               | 1.3                  | 4.3                                | 7.6   | 13.6  | 21.2  | 30.5  | 47.7  | 84.8  |       |                       |                  |
| 300           | 708.4         | 427.2                | 358.1                              | 328.5 | 301.4 | 281.1 | 266.8 | 249.6 | 228.9 | 4.6   | 35                    |                  |
|               |               | 1.1                  | 3.5                                | 6.2   | 11.0  | 17.2  | 24.7  | 38.6  | 68.6  |       |                       |                  |
| 330           | 709.0         | 415.3                | 348.2                              | 319.4 | 293.0 | 274.0 | 259.4 | 242.6 | 222.6 | 4.6   | 35                    |                  |
|               |               | 0.9                  | 2.9                                | 5.1   | 9.1   | 14.2  | 20.4  | 31.9  | 56.7  |       |                       |                  |

DA型(70DA)

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)  |      |      |      |      |      |      | 摩擦扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|----------------------|--------------|------|------|------|------|------|------|-----------------------|------------------|
|               |               |                      | 分割迴轉速 N(rpm) |      |      |      |      |      |      |                       |                  |
|               |               |                      | 25           | 50   | 75   | 100  | 125  | 150  | 200  |                       |                  |
| 4             | 270           | 20.9                 | 8.2          | 8.2  | 8.2  | 8.2  | 8.2  | 8.2  | 7.7  | 0.5                   | 19               |
| 5             | 240           | 8.0                  | 5.9          | 4.8  | 4.2  | 3.9  | 3.6  | 3.4  | 3.2  | 0.3                   | 16               |
|               | 270           | 23.2                 | 8.6          | 8.6  | 8.6  | 8.6  | 8.6  | 8.6  | 8.6  | 0.5                   | 16               |
| 6             | 180           | 24.3                 | 19.5         | 16.4 | 14.5 | 13.3 | 12.4 | 11.8 | 10.8 | 0.6                   | 22               |
|               | 210           | 26.2                 | 20.0         | 16.2 | 14.4 | 13.2 | 12.3 | 11.7 | 10.7 | 0.5                   | 22               |
|               | 240           | 27.7                 | 19.8         | 16.1 | 14.2 | 13.0 | 12.2 | 11.5 | 10.6 | 0.5                   | 22               |
|               | 270           | 28.9                 | 19.5         | 15.8 | 14.0 | 12.8 | 12.0 | 11.4 | 10.4 | 0.5                   | 22               |
| 8             | 180           | 25.2                 | 12.2         | 12.2 | 12.2 | 12.2 | 12.1 | 12.2 | 11.5 | 0.5                   | 19               |
|               | 210           | 26.3                 | 17.1         | 16.0 | 14.1 | 13.0 | 12.1 | 11.5 | 10.5 | 0.5                   | 19               |
|               | 240           | 27.3                 | 17.5         | 15.6 | 13.9 | 12.7 | 11.9 | 11.2 | 10.3 | 0.5                   | 19               |
|               | 270           | 28.1                 | 17.7         | 15.3 | 13.6 | 12.4 | 11.6 | 11.0 | 10.1 | 0.5                   | 19               |
| 10            | 180           | 20.5                 | 7.3          | 7.3  | 7.3  | 7.3  | 7.3  | 7.3  | 7.3  | 0.4                   | 16               |
|               | 210           | 22.5                 | 10.3         | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.2 | 0.4                   | 16               |
|               | 240           | 23.1                 | 10.4         | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.0 | 0.4                   | 16               |
|               | 270           | 23.6                 | 10.5         | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 9.7  | 0.4                   | 16               |
| 12            | 150           | 7.5                  | 6.7          | 5.7  | 5.1  | 4.7  | 4.4  | 4.1  | 3.8  | 0.2                   | 14               |
|               | 180           | 21.5                 | 7.4          | 7.4  | 7.4  | 7.4  | 7.4  | 7.4  | 7.4  | 0.4                   | 14               |
|               | 210           | 22.2                 | 7.6          | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 0.4                   | 14               |
|               | 240           | 22.6                 | 7.6          | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 0.4                   | 14               |
|               | 270           | 22.9                 | 7.7          | 7.7  | 7.7  | 7.7  | 7.7  | 7.7  | 7.7  | 0.4                   | 14               |
| 15            | 150           | 4.0                  | 3.6          | 3.1  | 2.7  | 2.5  | 2.3  | 2.2  | 2.0  | 0.2                   | 12               |
|               | 180           | 4.1                  | 3.7          | 3.0  | 2.6  | 2.4  | 2.3  | 2.1  | 2.0  | 0.2                   | 12               |
|               | 210           | 8.4                  | 7.3          | 6.0  | 5.3  | 4.8  | 4.5  | 4.3  | 3.9  | 0.2                   | 12               |
|               | 240           | 8.5                  | 7.1          | 5.8  | 5.1  | 4.7  | 4.4  | 4.1  | 3.8  | 0.2                   | 12               |
|               | 270           | 8.6                  | 6.9          | 5.6  | 4.9  | 4.5  | 4.2  | 4.0  | 3.7  | 0.2                   | 12               |
| 16            | 150           | 4.0                  | 3.6          | 3.2  | 2.8  | 2.6  | 2.4  | 2.3  | 2.1  | 0.2                   | 12               |
|               | 180           | 4.2                  | 3.7          | 3.1  | 2.7  | 2.5  | 2.3  | 2.2  | 2.0  | 0.2                   | 12               |
|               | 210           | 4.2                  | 3.6          | 2.9  | 2.6  | 2.4  | 2.2  | 2.1  | 1.9  | 0.2                   | 12               |
|               | 240           | 4.3                  | 3.5          | 2.8  | 2.5  | 2.3  | 2.2  | 2.0  | 1.9  | 0.2                   | 12               |
|               | 270           | 4.4                  | 3.4          | 2.8  | 2.4  | 2.2  | 2.1  | 2.0  | 1.8  | 0.2                   | 12               |
| ※<br>16       | 210           | 23.4                 | 17.1         | 17.1 | 17.1 | 16.0 | 14.9 | 14.1 | 12.9 | 0.5                   | 19               |
|               | 240           | 24.3                 | 17.5         | 17.5 | 24.4 | 15.6 | 14.6 | 13.9 | 12.7 | 0.5                   | 19               |
|               | 270           | 25.0                 | 17.7         | 17.7 | 16.7 | 15.3 | 14.3 | 13.6 | 12.4 | 0.5                   | 19               |
| ※<br>20       | 180           | 20.5                 | 7.3          | 7.3  | 7.3  | 7.3  | 7.3  | 7.3  | 7.3  | 0.4                   | 16               |
|               | 210           | 21.4                 | 7.4          | 7.4  | 7.4  | 7.4  | 7.4  | 7.4  | 7.4  | 0.4                   | 16               |
|               | 240           | 22.0                 | 7.5          | 7.5  | 7.5  | 7.6  | 7.5  | 7.5  | 7.5  | 0.4                   | 16               |
|               | 270           | 23.6                 | 10.5         | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 0.4                   | 16               |
| ※<br>24       | 180           | 7.8                  | 7.1          | 6.8  | 6.0  | 5.6  | 5.2  | 4.9  | 4.5  | 0.2                   | 14               |
|               | 210           | 8.1                  | 7.3          | 6.6  | 5.9  | 5.4  | 5.0  | 4.8  | 4.4  | 0.2                   | 14               |
|               | 240           | 8.3                  | 7.4          | 6.4  | 5.7  | 5.2  | 4.9  | 4.6  | 4.2  | 0.2                   | 14               |
|               | 270           | 22.9                 | 7.7          | 7.7  | 7.7  | 7.7  | 7.7  | 7.7  | 7.7  | 0.4                   | 14               |
| ※<br>32       | 180           | 4.2                  | 3.7          | 3.7  | 3.3  | 3.0  | 2.9  | 2.7  | 2.5  | 0.2                   | 12               |
|               | 210           | 4.2                  | 3.8          | 3.6  | 3.2  | 2.9  | 2.8  | 2.6  | 2.4  | 0.2                   | 12               |
|               | 240           | 4.3                  | 3.9          | 3.5  | 3.1  | 2.8  | 2.7  | 2.5  | 2.3  | 0.2                   | 12               |
|               | 270           | 4.4                  | 3.9          | 3.4  | 3.0  | 2.8  | 2.6  | 2.4  | 2.2  | 0.2                   | 12               |

PS ※2DWELL



DA型(90DA)

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)  |      |      |      |      |      |      | 摩擦扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|----------------------|--------------|------|------|------|------|------|------|-----------------------|------------------|
|               |               |                      | 分割迴轉速 N(rpm) |      |      |      |      |      |      |                       |                  |
|               |               |                      | 25           | 50   | 75   | 100  | 125  | 150  | 200  |                       |                  |
| 4             | 270           | 25.4                 | 17.2         | 14.0 | 12.4 | 11.3 | 10.6 | 10.1 | 9.3  | 0.7                   | 26               |
| 5             | 240           | 22.6                 | 16.1         | 13.0 | 11.8 | 10.6 | 9.9  | 9.4  | 8.6  | 0.6                   | 19               |
|               | 270           | 25.2                 | 17.9         | 14.6 | 12.9 | 11.8 | 11.0 | 10.5 | 9.6  | 0.6                   | 19               |
| 6             | 180           | 31.6                 | 26.2         | 21.2 | 18.8 | 17.3 | 16.2 | 15.3 | 14.0 | 0.9                   | 26               |
|               | 210           | 34.3                 | 26.0         | 21.1 | 18.7 | 17.2 | 16.0 | 15.2 | 13.9 | 0.9                   | 26               |
|               | 240           | 36.5                 | 25.8         | 20.9 | 18.6 | 17.0 | 15.9 | 15.1 | 13.8 | 0.9                   | 26               |
|               | 270           | 38.2                 | 25.5         | 20.7 | 18.3 | 16.8 | 15.8 | 14.9 | 13.7 | 0.8                   | 26               |
| 8             | 180           | 36.5                 | 32.8         | 26.7 | 23.6 | 21.6 | 20.2 | 19.2 | 17.6 | 0.8                   | 26               |
|               | 210           | 38.7                 | 32.3         | 26.0 | 23.2 | 21.3 | 20.0 | 18.9 | 17.3 | 0.8                   | 26               |
|               | 240           | 40.5                 | 31.7         | 25.8 | 22.8 | 20.9 | 19.6 | 18.6 | 17.0 | 0.8                   | 26               |
|               | 270           | 41.7                 | 31.1         | 25.3 | 22.4 | 20.5 | 19.2 | 18.2 | 16.7 | 0.8                   | 26               |
| 10            | 180           | 27.0                 | 23.9         | 19.5 | 17.2 | 15.8 | 14.8 | 14.0 | 12.8 | 0.6                   | 19               |
|               | 210           | 28.1                 | 23.4         | 19.0 | 16.8 | 15.4 | 14.4 | 13.7 | 12.5 | 0.6                   | 19               |
|               | 240           | 28.9                 | 22.8         | 18.5 | 16.4 | 15.1 | 14.1 | 13.3 | 12.2 | 0.6                   | 19               |
|               | 270           | 29.5                 | 22.2         | 18.1 | 16.0 | 14.6 | 13.7 | 13.0 | 11.9 | 0.6                   | 19               |
| 12            | 150           | 23.2                 | 20.9         | 17.1 | 15.1 | 13.9 | 13.0 | 12.3 | 11.3 | 0.6                   | 16               |
|               | 180           | 25.8                 | 22.9         | 18.6 | 16.5 | 15.1 | 14.1 | 13.4 | 12.3 | 0.6                   | 16               |
|               | 210           | 26.6                 | 22.2         | 18.1 | 16.0 | 14.6 | 13.7 | 13.0 | 11.9 | 0.6                   | 16               |
|               | 240           | 27.2                 | 21.6         | 17.5 | 15.5 | 14.2 | 13.3 | 12.6 | 11.6 | 0.6                   | 16               |
|               | 270           | 27.6                 | 21.0         | 17.0 | 15.1 | 13.9 | 13.0 | 12.3 | 11.3 | 0.5                   | 16               |
| 15            | 150           | 24.6                 | 22.1         | 19.1 | 16.9 | 15.5 | 14.6 | 13.8 | 12.6 | 0.6                   | 14               |
|               | 180           | 25.4                 | 22.7         | 18.4 | 16.3 | 15.0 | 14.0 | 13.2 | 12.2 | 0.5                   | 14               |
|               | 210           | 26.0                 | 21.9         | 17.8 | 15.8 | 14.4 | 13.5 | 12.8 | 11.8 | 0.5                   | 14               |
|               | 240           | 26.3                 | 21.2         | 17.2 | 15.3 | 14.0 | 13.1 | 12.4 | 11.3 | 0.5                   | 14               |
|               | 270           | 26.6                 | 20.6         | 16.7 | 14.8 | 13.6 | 12.7 | 12.0 | 11.0 | 0.5                   | 14               |
| 16            | 150           | 24.9                 | 22.4         | 19.7 | 17.4 | 16.0 | 15.0 | 14.2 | 13.0 | 0.5                   | 14               |
|               | 180           | 25.7                 | 23.1         | 19.0 | 16.8 | 15.4 | 14.4 | 13.7 | 12.5 | 0.5                   | 14               |
|               | 210           | 26.2                 | 22.5         | 18.3 | 16.2 | 14.8 | 13.9 | 13.2 | 12.0 | 0.5                   | 14               |
|               | 240           | 26.5                 | 21.8         | 17.6 | 15.7 | 14.4 | 13.4 | 12.7 | 11.6 | 0.5                   | 14               |
|               | 270           | 26.7                 | 21.1         | 17.2 | 15.2 | 13.9 | 13.0 | 12.3 | 11.3 | 0.5                   | 14               |
| ※<br>16       | 210           | 26.4                 | 23.7         | 20.4 | 18.1 | 16.6 | 15.5 | 14.7 | 13.5 | 0.7                   | 26               |
|               | 240           | 27.4                 | 24.6         | 20.0 | 17.7 | 16.3 | 15.2 | 14.4 | 13.2 | 0.6                   | 26               |
|               | 270           | 41.7                 | 37.6         | 31.1 | 27.6 | 25.3 | 23.6 | 22.4 | 20.5 | 0.8                   | 26               |
| ※<br>20       | 180           | 27.0                 | 24.2         | 23.9 | 21.2 | 19.5 | 18.2 | 17.2 | 15.8 | 0.6                   | 19               |
|               | 210           | 28.1                 | 25.3         | 23.4 | 20.7 | 19.0 | 17.7 | 16.8 | 15.4 | 0.6                   | 19               |
|               | 240           | 28.9                 | 26.0         | 22.8 | 20.2 | 18.5 | 17.3 | 16.4 | 15.1 | 0.6                   | 19               |
|               | 270           | 29.5                 | 26.6         | 22.2 | 19.7 | 18.1 | 16.9 | 16.0 | 14.6 | 0.6                   | 19               |
| ※<br>24       | 180           | 18.8                 | 23.2         | 22.9 | 20.3 | 18.6 | 17.4 | 16.5 | 15.1 | 0.6                   | 16               |
|               | 210           | 26.6                 | 23.9         | 22.2 | 19.7 | 18.1 | 16.9 | 16.0 | 14.6 | 0.6                   | 16               |
|               | 240           | 27.2                 | 24.4         | 21.6 | 12.1 | 17.5 | 16.4 | 15.5 | 14.2 | 0.6                   | 16               |
|               | 270           | 27.6                 | 24.9         | 21.0 | 18.6 | 17.0 | 16.0 | 15.1 | 13.9 | 0.6                   | 16               |
| ※<br>32       | 180           | 25.7                 | 23.1         | 23.1 | 20.7 | 19.0 | 17.7 | 16.8 | 15.4 | 0.5                   | 14               |
|               | 210           | 26.2                 | 23.5         | 22.5 | 20.0 | 18.3 | 17.1 | 16.2 | 14.8 | 0.5                   | 14               |
|               | 240           | 26.6                 | 23.9         | 21.8 | 19.3 | 17.7 | 16.5 | 15.7 | 14.4 | 0.5                   | 14               |
|               | 270           | 26.7                 | 24.1         | 21.1 | 18.7 | 17.2 | 16.0 | 15.2 | 13.9 | 0.5                   | 14               |

PS ※2DWELL

DA型(110DA)

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)  |      |      |      |      |      |      | 摩擦扭力<br>Tx<br>(kgf-m) | 軸承套<br>φ<br>(mm) |
|---------------|---------------|----------------------|--------------|------|------|------|------|------|------|-----------------------|------------------|
|               |               |                      | 分割迴轉速 N(rpm) |      |      |      |      |      |      |                       |                  |
|               |               |                      | 25           | 50   | 75   | 100  | 125  | 150  | 200  |                       |                  |
| 4             | 270           | 38.6                 | 27.7         | 22.5 | 19.9 | 18.3 | 17.1 | 16.2 | 14.8 | 1.0                   | 30               |
| 5             | 240           | 26.1                 | 21.9         | 17.8 | 15.8 | 14.5 | 13.5 | 12.8 | 11.8 | 0.8                   | 26               |
|               | 270           | 43.3                 | 32.6         | 26.5 | 23.4 | 21.5 | 20.1 | 19.0 | 17.4 | 1.0                   | 26               |
| 6             | 180           | 48.6                 | 40.3         | 32.8 | 29.0 | 26.6 | 24.9 | 23.5 | 21.6 | 1.3                   | 26               |
|               | 210           | 52.7                 | 40.1         | 32.6 | 28.8 | 26.5 | 24.7 | 23.4 | 21.5 | 1.2                   | 26               |
|               | 240           | 62.2                 | 39.7         | 32.3 | 28.6 | 26.2 | 24.5 | 23.2 | 21.3 | 1.2                   | 26               |
|               | 270           | 58.7                 | 39.3         | 31.9 | 28.2 | 25.9 | 24.2 | 22.9 | 21.0 | 1.1                   | 26               |
| 8             | 180           | 53.8                 | 48.0         | 39.0 | 34.6 | 31.7 | 29.6 | 28.1 | 25.8 | 1.1                   | 30               |
|               | 210           | 59.5                 | 49.8         | 40.4 | 35.8 | 32.8 | 30.7 | 29.1 | 26.7 | 1.1                   | 30               |
|               | 240           | 62.2                 | 48.9         | 39.7 | 35.1 | 32.2 | 30.2 | 28.6 | 26.2 | 1.1                   | 30               |
|               | 270           | 64.2                 | 47.9         | 38.9 | 34.4 | 31.6 | 29.5 | 28.0 | 25.7 | 1.1                   | 30               |
| 10            | 180           | 48.4                 | 43.1         | 35.0 | 31.0 | 28.4 | 26.6 | 25.2 | 23.1 | 0.9                   | 26               |
|               | 210           | 50.6                 | 42.1         | 34.2 | 30.2 | 27.8 | 26.0 | 24.6 | 22.5 | 0.9                   | 26               |
|               | 240           | 63.7                 | 53.2         | 43.3 | 38.3 | 35.1 | 32.8 | 31.1 | 28.5 | 1.1                   | 26               |
|               | 270           | 65.2                 | 52.0         | 42.2 | 37.4 | 34.3 | 32.1 | 30.4 | 27.9 | 1.1                   | 26               |
| 12            | 150           | 45.9                 | 41.3         | 41.3 | 36.6 | 33.6 | 20.9 | 19.8 | 18.2 | 0.7                   | 26               |
|               | 180           | 49.4                 | 44.4         | 40.6 | 35.9 | 33.0 | 19.5 | 19.5 | 17.9 | 0.7                   | 26               |
|               | 210           | 51.9                 | 46.6         | 39.7 | 35.1 | 32.3 | 20.1 | 19.0 | 17.4 | 0.7                   | 26               |
|               | 240           | 53.7                 | 47.8         | 38.8 | 34.4 | 31.5 | 19.7 | 18.6 | 17.1 | 0.7                   | 26               |
|               | 270           | 77.7                 | 43.8         | 35.6 | 31.6 | 28.9 | 27.1 | 25.6 | 23.5 | 0.8                   | 26               |
| 15            | 150           | 45.6                 | 41.0         | 41.0 | 41.0 | 38.4 | 20.7 | 19.6 | 18.0 | 0.7                   | 19               |
|               | 180           | 48.1                 | 43.3         | 43.3 | 40.7 | 37.3 | 20.2 | 19.1 | 17.5 | 0.7                   | 19               |
|               | 210           | 49.8                 | 44.9         | 44.7 | 39.6 | 36.3 | 19.6 | 18.6 | 17.0 | 0.6                   | 19               |
|               | 240           | 51.1                 | 46.0         | 43.5 | 38.4 | 35.3 | 19.0 | 18.1 | 16.5 | 0.6                   | 19               |
|               | 270           | 52.0                 | 46.8         | 42.3 | 37.5 | 34.4 | 18.6 | 17.6 | 16.1 | 0.6                   | 19               |
| 16            | 150           | 46.6                 | 41.9         | 41.9 | 41.9 | 39.8 | 21.4 | 20.3 | 18.6 | 0.7                   | 19               |
|               | 180           | 48.9                 | 44.0         | 44.0 | 42.0 | 38.6 | 20.8 | 19.7 | 18.1 | 0.6                   | 19               |
|               | 210           | 50.5                 | 45.4         | 45.4 | 40.7 | 37.4 | 20.2 | 19.1 | 17.6 | 0.6                   | 19               |
|               | 240           | 51.6                 | 46.4         | 44.7 | 39.6 | 36.3 | 19.6 | 18.6 | 17.0 | 0.6                   | 19               |
|               | 270           | 52.4                 | 47.2         | 43.5 | 38.6 | 35.4 | 19.1 | 18.1 | 16.6 | 0.6                   | 19               |
| ※16           | 210           | 59.5                 | 53.6         | 49.8 | 44.1 | 40.4 | 37.8 | 35.8 | 32.8 | 0.0                   | 30               |
|               | 240           | 62.2                 | 55.9         | 48.8 | 43.2 | 39.7 | 37.1 | 35.1 | 32.2 | 0.0                   | 30               |
|               | 270           | 64.2                 | 57.8         | 47.9 | 42.4 | 38.9 | 36.4 | 34.4 | 31.6 | 0.0                   | 30               |
| ※20           | 180           | 48.4                 | 43.6         | 43.1 | 38.2 | 35.0 | 32.8 | 31.0 | 28.4 | 0.9                   | 26               |
|               | 210           | 50.6                 | 45.6         | 42.1 | 37.2 | 34.2 | 32.0 | 30.2 | 27.8 | 0.9                   | 26               |
|               | 240           | 63.7                 | 57.3         | 53.2 | 47.1 | 43.3 | 40.5 | 38.3 | 35.1 | 1.0                   | 26               |
|               | 270           | 65.2                 | 58.7         | 52.0 | 46.1 | 42.2 | 39.5 | 37.4 | 34.3 | 1.0                   | 26               |
| ※24           | 180           | 49.4                 | 44.4         | 44.4 | 44.2 | 40.6 | 25.3 | 23.9 | 22.0 | 0.7                   | 26               |
|               | 210           | 51.9                 | 46.6         | 46.6 | 43.3 | 39.7 | 24.8 | 23.5 | 21.5 | 0.7                   | 26               |
|               | 240           | 53.7                 | 48.3         | 47.8 | 42.3 | 38.8 | 24.2 | 22.9 | 21.0 | 0.7                   | 26               |
|               | 270           | 77.7                 | 54.0         | 43.5 | 38.9 | 35.6 | 33.3 | 31.6 | 28.9 | 0.8                   | 26               |
| ※32           | 180           | 48.9                 | 44.0         | 44.0 | 44.0 | 44.0 | 25.4 | 24.3 | 22.3 | 0.6                   | 19               |
|               | 210           | 50.5                 | 45.4         | 45.4 | 45.4 | 45.4 | 24.9 | 23.5 | 21.6 | 0.6                   | 19               |
|               | 240           | 51.6                 | 46.4         | 46.4 | 46.4 | 44.7 | 24.2 | 22.9 | 21.0 | 0.6                   | 19               |
|               | 270           | 52.4                 | 47.2         | 47.2 | 47.2 | 43.5 | 23.5 | 22.3 | 20.4 | 0.6                   | 19               |

PS ※2DWELL



DA型(150DA)

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)  |       |      |      |      |      |      | 摩擦扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|----------------------|--------------|-------|------|------|------|------|------|-----------------------|------------------|
|               |               |                      | 分割迴轉速 N(rpm) |       |      |      |      |      |      |                       |                  |
|               |               |                      | 25           | 50    | 75   | 100  | 125  | 150  | 200  |                       |                  |
| 4             | 270           | 71.2                 | 47.0         | 38.2  | 33.7 | 31.0 | 29.0 | 27.4 | 25.1 | 1.7                   | 40               |
| 5             | 240           | 48.2                 | 49.8         | 42.2  | 35.0 | 30.4 | 27.9 | 26.0 | 24.6 | 1.3                   | 35               |
|               | 270           | 78.7                 | 53.0         | 43.0  | 38.1 | 34.9 | 32.7 | 30.9 | 28.4 | 1.5                   | 35               |
| 6             | 180           | 66.8                 | 52.2         | 42.3  | 37.5 | 34.4 | 32.2 | 30.5 | 27.9 | 2.2                   | 30               |
|               | 210           | 102.8                | 75.0         | 60.9  | 54.0 | 49.5 | 46.3 | 43.8 | 40.2 | 2.5                   | 30               |
|               | 240           | 110.2                | 74.6         | 60.6  | 53.6 | 49.2 | 46.0 | 43.6 | 40.0 | 2.4                   | 30               |
|               | 270           | 116.2                | 74.0         | 60.1  | 53.2 | 48.8 | 45.6 | 43.2 | 39.6 | 2.3                   | 30               |
| 8             | 180           | 79.4                 | 85.7         | 72.7  | 70.4 | 59.0 | 55.2 | 52.3 | 47.9 | 2.0                   | 40               |
|               | 210           | 118.0                | 104.9        | 85.2  | 75.5 | 69.2 | 64.8 | 61.3 | 56.2 | 2.3                   | 40               |
|               | 240           | 125.0                | 103.4        | 84.0  | 74.4 | 68.2 | 63.8 | 60.4 | 54.0 | 2.3                   | 40               |
|               | 270           | 128.8                | 101.7        | 82.6  | 73.1 | 67.1 | 62.7 | 59.4 | 54.5 | 2.2                   | 40               |
| 10            | 180           | 70.6                 | 63.6         | 55.0  | 48.7 | 44.7 | 41.8 | 39.6 | 36.3 | 1.7                   | 35               |
|               | 210           | 75.1                 | 66.7         | 54.2  | 48.0 | 44.0 | 41.1 | 39.0 | 35.7 | 1.6                   | 35               |
|               | 240           | 97.6                 | 84.7         | 68.8  | 60.9 | 55.9 | 52.3 | 49.5 | 45.4 | 1.8                   | 35               |
|               | 270           | 100.7                | 83.0         | 67.5  | 59.7 | 54.8 | 51.2 | 48.5 | 44.5 | 1.8                   | 35               |
| 12            | 150           | 80.1                 | 69.9         | 56.8  | 50.3 | 47.1 | 36.0 | 34.0 | 31.2 | 1.4                   | 30               |
|               | 180           | 89.0                 | 72.7         | 59.0  | 52.3 | 47.9 | 37.4 | 35.4 | 32.5 | 1.4                   | 30               |
|               | 210           | 93.2                 | 71.0         | 57.7  | 51.1 | 46.9 | 36.5 | 34.6 | 31.7 | 1.4                   | 30               |
|               | 240           | 119.4                | 80.0         | 65.0  | 57.5 | 52.8 | 44.9 | 42.5 | 39.0 | 1.5                   | 30               |
|               | 270           | 119.4                | 78.2         | 63.5  | 56.2 | 51.6 | 43.9 | 41.5 | 38.1 | 1.5                   | 30               |
| 15            | 150           | 70.9                 | 63.8         | 63.8  | 63.8 | 62.4 | 33.7 | 31.9 | 29.3 | 1.2                   | 26               |
|               | 180           | 91.5                 | 77.3         | 62.8  | 55.6 | 51.0 | 39.7 | 37.6 | 34.5 | 1.3                   | 26               |
|               | 210           | 94.6                 | 75.0         | 60.9  | 54.0 | 49.5 | 38.6 | 36.5 | 33.5 | 1.3                   | 26               |
|               | 240           | 102.0                | 72.9         | 59.2  | 52.4 | 48.1 | 37.5 | 35.5 | 32.5 | 1.3                   | 26               |
|               | 270           | 102.0                | 75.2         | 61.1  | 54.1 | 49.6 | 38.7 | 36.6 | 38.1 | 1.3                   | 26               |
| 16            | 150           | 72.6                 | 65.4         | 65.4  | 65.4 | 64.8 | 35.0 | 33.1 | 30.4 | 1.3                   | 26               |
|               | 180           | 77.0                 | 69.3         | 69.3  | 68.8 | 63.2 | 34.1 | 32.3 | 29.6 | 1.3                   | 26               |
|               | 210           | 80.0                 | 72.0         | 72.0  | 67.0 | 61.5 | 33.2 | 31.4 | 28.8 | 1.3                   | 26               |
|               | 240           | 99.1                 | 74.0         | 73.7  | 65.3 | 59.9 | 32.3 | 30.6 | 28.1 | 1.1                   | 26               |
|               | 270           | 99.1                 | 72.9         | 59.2  | 52.5 | 48.1 | 37.5 | 35.5 | 32.6 | 1.2                   | 26               |
| ※<br>16       | 210           | 61.6                 | 56.9         | 50.4  | 46.2 | 43.2 | 43.2 | 40.9 | 37.5 | 0.0                   | 40               |
|               | 240           | 90.5                 | 81.5         | 73.0  | 64.7 | 59.3 | 55.5 | 52.5 | 48.2 | 0.0                   | 40               |
|               | 270           | 128.7                | 115.9        | 101.7 | 90.0 | 82.6 | 77.2 | 73.1 | 67.1 | 0.0                   | 40               |
| ※<br>20       | 180           | 70.6                 | 63.6         | 63.6  | 60.0 | 55.0 | 51.4 | 48.7 | 44.7 | 1.7                   | 35               |
|               | 210           | 93.6                 | 84.2         | 84.2  | 76.4 | 70.1 | 65.6 | 62.1 | 56.9 | 1.8                   | 35               |
|               | 240           | 97.6                 | 87.9         | 84.7  | 75.0 | 68.8 | 64.3 | 60.9 | 55.9 | 1.8                   | 35               |
|               | 270           | 100.7                | 90.6         | 83.0  | 73.5 | 67.5 | 63.1 | 59.7 | 54.8 | 1.8                   | 35               |
| ※<br>24       | 180           | 89.0                 | 80.1         | 72.7  | 64.3 | 59.0 | 46.0 | 43.6 | 40.0 | 1.4                   | 30               |
|               | 210           | 93.2                 | 83.9         | 71.0  | 62.9 | 57.7 | 45.0 | 42.6 | 39.0 | 1.4                   | 30               |
|               | 240           | 96.3                 | 85.4         | 69.3  | 61.4 | 56.3 | 43.9 | 41.6 | 38.1 | 1.4                   | 30               |
|               | 270           | 119.4                | 96.2         | 78.2  | 69.2 | 63.5 | 54.0 | 51.1 | 46.9 | 1.5                   | 30               |
| ※<br>32       | 180           | 77.0                 | 69.3         | 69.3  | 69.3 | 69.3 | 40.0 | 39.8 | 36.5 | 1.1                   | 26               |
|               | 210           | 80.0                 | 72.0         | 72.0  | 72.0 | 72.0 | 40.9 | 38.7 | 35.5 | 1.1                   | 26               |
|               | 240           | 82.2                 | 74.0         | 74.0  | 74.0 | 74.0 | 39.8 | 37.7 | 34.6 | 1.1                   | 26               |
|               | 270           | 99.1                 | 89.2         | 72.9  | 64.6 | 59.2 | 46.2 | 43.7 | 40.1 | 1.3                   | 26               |

PS ※2DWELL

DA型(190DA)

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)  |       |       |       |       |       |       | 摩擦扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|----------------------|--------------|-------|-------|-------|-------|-------|-------|-----------------------|------------------|
|               |               |                      | 分割迴轉速 N(rpm) |       |       |       |       |       |       |                       |                  |
|               |               |                      | 25           | 50    | 75    | 100   | 125   | 150   | 200   |                       |                  |
| 4             | 270           | 209.6                | 148.6        | 120.7 | 106.9 | 98.0  | 91.7  | 86.8  | 79.6  | 3.4                   | 52               |
| 5             | 240           | 218.8                | 143.0        | 116.2 | 102.8 | 94.4  | 88.2  | 83.5  | 76.6  | 3.3                   | 47               |
|               | 270           | 233.7                | 142.7        | 115.9 | 102.6 | 94.1  | 88.0  | 83.3  | 76.4  | 3.2                   | 47               |
| 6             | 180           | 164.6                | 106.5        | 86.5  | 76.6  | 70.3  | 65.7  | 62.2  | 57.1  | 4.0                   | 40               |
|               | 210           | 236.7                | 150.5        | 122.3 | 108.3 | 99.3  | 92.9  | 87.9  | 80.7  | 4.5                   | 40               |
|               | 240           | 255.6                | 150.3        | 122.1 | 108.1 | 99.1  | 92.7  | 87.8  | 80.5  | 4.4                   | 40               |
|               | 270           | 271.5                | 199.3        | 161.9 | 143.4 | 131.5 | 123.0 | 116.4 | 106.8 | 4.3                   | 40               |
| 8             | 180           | 194.5                | 175.1        | 147.7 | 130.8 | 120.0 | 112.2 | 106.3 | 97.5  | 3.7                   | 52               |
|               | 210           | 209.2                | 180.1        | 146.3 | 129.5 | 118.8 | 111.1 | 105.2 | 96.5  | 3.6                   | 52               |
|               | 240           | 292.6                | 253.5        | 205.9 | 182.3 | 167.2 | 156.4 | 148.1 | 135.8 | 4.1                   | 52               |
|               | 270           | 305.7                | 250.1        | 203.1 | 179.9 | 165.0 | 154.3 | 146.1 | 134.0 | 4.0                   | 52               |
| 10            | 180           | 214.0                | 192.6        | 166.1 | 147.0 | 134.9 | 126.2 | 119.4 | 109.6 | 3.2                   | 47               |
|               | 210           | 226.3                | 200.8        | 163.1 | 144.4 | 132.5 | 123.9 | 117.3 | 107.6 | 3.1                   | 47               |
|               | 240           | 276.6                | 239.7        | 194.7 | 172.4 | 158.1 | 147.9 | 140.0 | 128.4 | 3.4                   | 47               |
|               | 270           | 284.9                | 234.8        | 190.7 | 168.9 | 154.9 | 144.9 | 137.2 | 125.8 | 3.3                   | 47               |
| 12            | 150           | 192.0                | 163.7        | 133.0 | 117.8 | 108.0 | 101.0 | 95.7  | 87.7  | 3.0                   | 40               |
|               | 180           | 204.6                | 160.0        | 130.0 | 115.1 | 105.6 | 98.7  | 93.5  | 85.7  | 2.9                   | 40               |
|               | 210           | 213.4                | 156.0        | 126.8 | 112.2 | 103.0 | 96.3  | 91.2  | 83.6  | 2.8                   | 40               |
|               | 240           | 219.8                | 152.2        | 123.6 | 109.4 | 100.4 | 93.9  | 88.9  | 81.5  | 2.8                   | 40               |
|               | 270           | 258.8                | 182.1        | 147.9 | 131.0 | 120.1 | 112.4 | 106.4 | 94.3  | 2.9                   | 40               |
| 15            | 150           | 174.6                | 131.0        | 128.3 | 113.6 | 104.2 | 68.9  | 65.2  | 59.8  | 2.4                   | 35               |
|               | 180           | 185.1                | 138.8        | 125.0 | 110.5 | 101.5 | 67.1  | 63.6  | 58.3  | 2.4                   | 35               |
|               | 210           | 192.3                | 144.3        | 121.7 | 107.7 | 98.8  | 65.4  | 61.9  | 56.8  | 2.3                   | 35               |
|               | 240           | 197.6                | 145.9        | 118.5 | 104.9 | 96.2  | 63.6  | 60.3  | 55.3  | 2.3                   | 35               |
|               | 270           | 199.8                | 179.8        | 146.6 | 129.8 | 119.1 | 111.3 | 105.4 | 96.7  | 2.7                   | 35               |
| 16            | 150           | 169.2                | 139.6        | 134.5 | 119.1 | 109.2 | 72.2  | 68.4  | 62.7  | 2.4                   | 35               |
|               | 180           | 188.3                | 155.3        | 142.1 | 125.9 | 115.5 | 76.4  | 72.3  | 66.3  | 2.4                   | 35               |
|               | 210           | 195.0                | 160.9        | 138.1 | 122.3 | 112.2 | 74.2  | 70.2  | 64.4  | 2.3                   | 35               |
|               | 240           | 199.7                | 164.8        | 134.3 | 118.9 | 109.1 | 72.1  | 68.3  | 62.6  | 2.3                   | 35               |
|               | 270           | 203.2                | 161.0        | 130.8 | 115.8 | 106.2 | 70.2  | 66.5  | 61.0  | 2.3                   | 35               |
| ※<br>16       | 210           | 136.5                | 187.1        | 172.5 | 152.7 | 140.1 | 131.0 | 124.1 | 113.8 | 3.2                   | 52               |
|               | 240           | 220.7                | 198.7        | 177.7 | 157.4 | 144.4 | 135.0 | 127.8 | 117.3 | 3.5                   | 52               |
|               | 270           | 305.7                | 275.1        | 250.1 | 221.4 | 203.1 | 190.0 | 179.9 | 252.6 | 4.0                   | 52               |
| ※<br>20       | 180           | 160.6                | 144.5        | 140.4 | 124.4 | 114.1 | 106.7 | 101.0 | 92.7  | 3.0                   | 47               |
|               | 210           | 200.1                | 174.6        | 172.1 | 152.4 | 139.8 | 130.7 | 123.8 | 113.5 | 3.1                   | 47               |
|               | 240           | 237.1                | 213.4        | 205.4 | 181.9 | 166.9 | 156.1 | 147.8 | 135.5 | 3.4                   | 47               |
|               | 270           | 244.2                | 219.8        | 201.3 | 178.2 | 163.5 | 152.9 | 144.7 | 132.8 | 3.3                   | 47               |
| ※<br>24       | 180           | 204.6                | 184.4        | 160.0 | 141.7 | 130.0 | 121.5 | 115.1 | 105.6 | 2.9                   | 40               |
|               | 210           | 213.4                | 192.1        | 156.0 | 138.2 | 126.8 | 118.5 | 112.2 | 103.0 | 2.8                   | 40               |
|               | 240           | 219.8                | 187.3        | 152.2 | 134.7 | 123.6 | 115.6 | 109.4 | 100.4 | 2.8                   | 40               |
|               | 270           | 258.8                | 224.2        | 182.1 | 161.2 | 147.9 | 138.3 | 131.0 | 120.4 | 2.9                   | 40               |
| ※<br>32       | 180           | 188.3                | 169.5        | 169.5 | 169.0 | 155.1 | 102.5 | 97.1  | 89.1  | 2.4                   | 35               |
|               | 210           | 195.0                | 175.5        | 175.5 | 164.2 | 150.7 | 99.6  | 94.3  | 86.5  | 2.3                   | 35               |
|               | 240           | 199.7                | 179.8        | 179.8 | 159.7 | 146.5 | 96.9  | 91.7  | 84.1  | 2.3                   | 35               |
|               | 270           | 203.2                | 182.9        | 175.6 | 155.5 | 142.6 | 94.3  | 89.3  | 81.9  | 2.3                   | 35               |

PS ※2DWELL



DA型(230DA)

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)  |       |       |       |       |       |       | 摩擦扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|----------------------|--------------|-------|-------|-------|-------|-------|-------|-----------------------|------------------|
|               |               |                      | 分割迴轉速 N(rpm) |       |       |       |       |       |       |                       |                  |
|               |               |                      | 25           | 50    | 75    | 100   | 125   | 150   | 200   |                       |                  |
| 4             | 270           | 247.2                | 187.0        | 151.9 | 134.5 | 123.3 | 115.4 | 109.2 | 100.2 | 3.8                   | 60               |
| 5             | 240           | 177.4                | 157.9        | 128.2 | 113.5 | 104.2 | 97.4  | 92.2  | 84.6  | 3.1                   | 52               |
|               | 270           | 284.8                | 224.5        | 182.4 | 161.5 | 148.1 | 138.5 | 131.2 | 120.3 | 3.6                   | 52               |
| 6             | 180           | 259.9                | 206.8        | 167.9 | 148.7 | 136.4 | 127.6 | 120.8 | 110.8 | 5.2                   | 47               |
|               | 210           | 360.0                | 279.8        | 227.3 | 201.2 | 184.6 | 172.6 | 163.5 | 149.9 | 5.8                   | 47               |
|               | 240           | 389.6                | 279.7        | 227.2 | 201.1 | 184.5 | 172.6 | 163.4 | 149.9 | 5.5                   | 47               |
|               | 270           | 414.8                | 278.5        | 226.2 | 200.3 | 183.8 | 171.9 | 162.7 | 149.3 | 5.4                   | 47               |
| 8             | 180           | 361.3                | 325.2        | 275.5 | 244.0 | 223.8 | 209.3 | 198.2 | 181.8 | 4.8                   | 60               |
|               | 210           | 390.3                | 336.6        | 273.4 | 242.1 | 222.1 | 207.7 | 196.7 | 180.4 | 4.6                   | 60               |
|               | 240           | 523.2                | 452.3        | 367.3 | 325.3 | 298.4 | 279.1 | 264.2 | 242.4 | 5.2                   | 60               |
|               | 270           | 547.8                | 446.7        | 362.8 | 321.3 | 294.7 | 275.6 | 261.0 | 239.4 | 5.0                   | 60               |
| 10            | 180           | 299.1                | 269.2        | 234.7 | 207.8 | 190.7 | 178.3 | 168.8 | 154.9 | 3.8                   | 52               |
|               | 210           | 319.2                | 285.1        | 231.5 | 205.0 | 188.1 | 175.9 | 166.5 | 152.8 | 3.7                   | 52               |
|               | 240           | 446.6                | 386.6        | 314.0 | 278.1 | 255.1 | 238.6 | 225.9 | 207.1 | 4.3                   | 52               |
|               | 270           | 461.2                | 379.2        | 308.0 | 272.8 | 250.2 | 234.0 | 221.6 | 203.2 | 4.2                   | 52               |
| 12            | 150           | 363.6                | 269.9        | 219.2 | 194.1 | 178.1 | 166.5 | 157.7 | 144.6 | 3.4                   | 47               |
|               | 180           | 456.3                | 325.9        | 264.7 | 234.4 | 215.0 | 201.1 | 190.4 | 174.6 | 3.7                   | 47               |
|               | 210           | 480.6                | 319.3        | 259.4 | 229.7 | 210.7 | 197.0 | 186.5 | 171.1 | 3.6                   | 47               |
|               | 240           | 498.7                | 312.5        | 253.8 | 224.7 | 206.2 | 192.8 | 182.6 | 167.5 | 3.5                   | 47               |
|               | 270           | 512.3                | 305.7        | 248.3 | 219.9 | 201.7 | 188.6 | 178.6 | 163.9 | 3.4                   | 47               |
| 15            | 150           | 282.9                | 254.6        | 254.6 | 254.6 | 236.6 | 139.9 | 132.5 | 121.5 | 2.7                   | 40               |
|               | 180           | 304.0                | 273.6        | 273.6 | 253.1 | 232.2 | 137.3 | 130.0 | 119.3 | 2.7                   | 40               |
|               | 210           | 432.3                | 291.2        | 236.6 | 209.5 | 192.1 | 179.7 | 170.1 | 156.1 | 3.1                   | 40               |
|               | 240           | 443.0                | 283.2        | 230.1 | 203.7 | 186.9 | 174.8 | 165.5 | 151.8 | 3.0                   | 40               |
|               | 270           | 450.8                | 275.8        | 224.0 | 198.4 | 182.0 | 170.2 | 161.1 | 147.8 | 3.0                   | 40               |
| 16            | 150           | 290.7                | 261.6        | 261.6 | 261.6 | 246.0 | 145.5 | 137.8 | 126.4 | 2.7                   | 40               |
|               | 180           | 310.7                | 279.6        | 279.6 | 262.5 | 240.8 | 142.4 | 134.8 | 123.7 | 2.6                   | 40               |
|               | 210           | 324.9                | 292.4        | 289.5 | 256.3 | 235.1 | 139.1 | 131.7 | 120.8 | 2.6                   | 40               |
|               | 240           | 335.2                | 301.7        | 282.5 | 250.1 | 229.4 | 135.7 | 128.5 | 117.9 | 2.6                   | 40               |
|               | 270           | 342.9                | 308.8        | 275.8 | 244.2 | 224.0 | 132.5 | 125.4 | 115.1 | 2.5                   | 40               |
| ※<br>16       | 210           | 390.3                | 351.3        | 336.6 | 298.1 | 273.4 | 255.7 | 242.1 | 222.1 | 4.6                   | 60               |
|               | 240           | 523.2                | 470.9        | 452.3 | 400.5 | 367.3 | 343.6 | 325.3 | 298.4 | 5.2                   | 60               |
|               | 270           | 547.8                | 493.0        | 446.7 | 395.5 | 362.8 | 339.3 | 321.3 | 294.7 | 5.0                   | 60               |
| ※<br>20       | 180           | 256.6                | 230.9        | 230.9 | 208.5 | 191.3 | 178.9 | 169.4 | 155.4 | 3.4                   | 52               |
|               | 210           | 319.2                | 287.3        | 285.1 | 252.4 | 231.5 | 216.5 | 205.0 | 188.1 | 3.7                   | 52               |
|               | 240           | 446.6                | 401.9        | 386.6 | 342.3 | 314.0 | 293.7 | 278.1 | 255.1 | 4.3                   | 52               |
|               | 270           | 461.2                | 415.1        | 379.2 | 335.8 | 308.0 | 288.1 | 272.8 | 250.2 | 4.2                   | 52               |
| ※<br>24       | 180           | 389.9                | 326.1        | 264.9 | 234.4 | 215.2 | 201.2 | 190.5 | 174.8 | 3.3                   | 47               |
|               | 210           | 409.5                | 319.1        | 259.2 | 301.0 | 210.6 | 196.9 | 186.4 | 171.0 | 3.2                   | 47               |
|               | 240           | 423.9                | 312.0        | 253.4 | 224.4 | 205.8 | 192.5 | 182.2 | 167.2 | 3.1                   | 47               |
|               | 270           | 512.3                | 376.4        | 305.7 | 270.7 | 248.3 | 232.2 | 219.9 | 201.7 | 3.4                   | 47               |
| ※<br>32       | 180           | 310.7                | 279.6        | 279.6 | 279.6 | 279.6 | 175.3 | 166.0 | 152.3 | 2.6                   | 40               |
|               | 210           | 324.9                | 292.4        | 292.4 | 292.4 | 292.4 | 171.2 | 162.1 | 148.7 | 2.6                   | 40               |
|               | 240           | 335.2                | 301.7        | 301.7 | 301.7 | 282.5 | 167.1 | 158.2 | 145.1 | 2.6                   | 40               |
|               | 270           | 342.9                | 308.6        | 308.6 | 300.6 | 275.8 | 163.1 | 154.4 | 141.7 | 2.5                   | 40               |

PS ※2DWELL

DA型(330DA)

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)  |        |        |        |       |       |       | 摩擦扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|----------------------|--------------|--------|--------|--------|-------|-------|-------|-----------------------|------------------|
|               |               |                      | 分割迴轉速 N(rpm) |        |        |        |       |       |       |                       |                  |
|               |               |                      | 25           | 50     | 75     | 100    | 125   | 150   | 200   |                       |                  |
| 4             | 270           | 635.7                | 572.1        | 487.0  | 431.2  | 395.6  | 370.0 | 350.3 |       | 7.8                   | 80               |
| 5             | 240           | 538.6                | 484.8        | 250.0  | 384.0  | 352.2  | 329.4 | 311.9 |       | 6.5                   | 70               |
|               | 270           | 576.9                | 519.2        | 433.2  | 383.6  | 351.9  | 329.1 | 311.6 | 285.8 | 6.3                   | 70               |
| 6             | 180           | 615.2                | 466.3        | 451.3  | 399.6  | 366.6  | 342.8 | 324.6 |       | 9.9                   | 60               |
|               | 210           | 726.4                | 653.7        | 606.0  | 536.6  | 492.2  | 460.4 | 435.9 | 399.8 | 9.6                   | 60               |
|               | 240           | 847.0                | 762.3        | 674.6  | 597.3  | 548.0  | 512.5 | 485.2 | 445.1 | 10.0                  | 60               |
|               | 270           | 902.2                | 812.0        | 672.1  | 595.1  | 545.9  | 510.6 | 483.4 | 443.4 | 6.8                   | 60               |
| 8             | 180           | 872.5                | 785.3        | 785.3  | 727.3  | 667.2  | 624.0 | 590.8 | 541.9 | 5.1                   | 80               |
|               | 210           | 962.1                | 865.9        | 865.9  | 776.3  | 712.1  | 666.0 | 630.5 | 578.4 | 8.0                   | 80               |
|               | 240           | 1023.4               | 921.1        | 868.7  | 769.2  | 705.6  | 659.9 | 624.8 | 573.1 | 8.9                   | 80               |
|               | 270           | 1150.6               | 1035.6       | 953.9  | 844.6  | 774.8  | 724.6 | 686.1 | 629.3 | 5.2                   | 80               |
| 10            | 180           | 756.9                | 681.2        | 681.2  | 625.2  | 573.5  | 536.4 | 507.8 | 465.8 | 5.8                   | 70               |
|               | 210           | 831.8                | 748.6        | 748.6  | 678.8  | 622.7  | 582.4 | 551.4 | 505.8 | 6.5                   | 70               |
|               | 240           | 870.7                | 783.6        | 753.5  | 667.2  | 612.1  | 572.4 | 542.0 | 497.2 | 6.3                   | 70               |
|               | 270           | 1153.4               | 1038.0       | 997.2  | 883.0  | 810.0  | 757.5 | 717.2 | 657.9 | 6.2                   | 70               |
| 12            | 150           | 582.6                | 524.3        | 524.3  | 524.3  | 503.3  | 470.7 | 445.6 | 408.8 | 4.7                   | 60               |
|               | 180           | 640.3                | 576.3        | 576.3  | 576.3  | 535.2  | 500.5 | 473.9 | 464.7 | 5.4                   | 60               |
|               | 210           | 677.9                | 610.1        | 610.1  | 573.1  | 525.7  | 491.7 | 465.5 | 427.0 | 5.3                   | 60               |
|               | 240           | 706.1                | 535.5        | 634.7  | 562.0  | 515.5  | 482.1 | 456.5 | 418.7 | 5.2                   | 60               |
|               | 270           | 727.7                | 654.9        | 621.9  | 550.7  | 505.1  | 472.4 | 447.3 | 410.3 | 6.1                   | 60               |
| 15            | 150           | 386.1                | 347.5        | 347.5  | 347.5  | 328.6  | 307.3 | 291.0 | 266.9 | 4.7                   | 52               |
|               | 180           | 545.2                | 490.7        | 490.7  | 490.7  | 452.0  | 422.8 | 400.3 | 367.2 | 5.4                   | 52               |
|               | 210           | 567.9                | 511.1        | 511.1  | 480.2  | 440.5  | 412.0 | 390.0 | 357.8 | 5.3                   | 52               |
|               | 240           | 584.2                | 525.8        | 525.8  | 467.9  | 429.2  | 401.4 | 380.1 | 348.6 | 5.2                   | 52               |
|               | 270           | 596.2                | 536.6        | 515.3  | 456.3  | 418.6  | 391.5 | 370.6 | 340.0 | 5.1                   | 52               |
| 16            | 150           | 493.5                | 444.1        | 444.1  | 444.1  | 425.8  | 398.3 | 377.1 | 345.9 | 4.7                   | 52               |
|               | 180           | 555.2                | 499.7        | 499.7  | 499.7  | 467.6  | 437.3 | 414.0 | 379.8 | 5.4                   | 52               |
|               | 210           | 576.1                | 518.5        | 518.5  | 495.8  | 454.8  | 425.3 | 402.7 | 369.4 | 5.2                   | 52               |
|               | 240           | 591.0                | 531.9        | 531.9  | 482.4  | 442.6  | 413.9 | 391.9 | 359.5 | 5.2                   | 52               |
|               | 270           | 601.9                | 541.7        | 530.8  | 470.0  | 431.1  | 403.2 | 381.7 | 350.2 | 5.1                   | 52               |
| ※<br>16       | 210           | 756.3                | 680.6        | 680.6  | 680.6  | 653.1  | 610.8 | 578.3 | 530.5 | 8.6                   | 80               |
|               | 240           | 1023.4               | 921.1        | 921.1  | 921.1  | 868.7  | 812.5 | 769.2 | 705.6 | 9.6                   | 80               |
|               | 270           | 1078.7               | 970.8        | 970.8  | 970.8  | 894.3  | 836.4 | 791.9 | 726.4 | 10.0                  | 80               |
| ※<br>20       | 180           | 477.3                | 429.5        | 429.5  | 429.5  | 419.0  | 391.8 | 371.0 | 340.3 | 5.8                   | 70               |
|               | 210           | 831.8                | 748.6        | 748.6  | 748.6  | 717.0  | 678.8 | 622.7 |       | 8.2                   | 70               |
|               | 240           | 1113.2               | 1001.9       | 1001.9 | 1001.9 | 1001.9 | 949.2 | 898.7 | 824.4 | 9.1                   | 70               |
|               | 270           | 1153.4               | 1038.0       | 1038.0 | 1038.0 | 997.2  | 932.6 | 883.0 | 810.0 | 8.9                   | 70               |
| ※<br>24       | 180           | 640.3                | 576.3        | 576.3  | 576.3  | 576.3  | 576.3 | 576.3 | 535.2 | 6.5                   | 60               |
|               | 210           | 677.9                | 610.1        | 610.1  | 610.1  | 610.1  | 605.3 | 573.1 | 525.7 | 6.3                   | 60               |
|               | 240           | 915.5                | 824.0        | 824.0  | 824.0  | 824.0  | 783.9 | 742.2 | 680.8 | 7.7                   | 60               |
|               | 270           | 945.0                | 850.5        | 850.5  | 850.5  | 845.0  | 790.3 | 748.2 | 686.4 | 7.6                   | 60               |
| ※<br>32       | 180           | 694.0                | 624.6        | 624.6  | 624.6  | 624.6  | 624.6 | 624.6 | 584.5 | 5.4                   | 52               |
|               | 210           | 720.1                | 648.1        | 648.1  | 648.1  | 648.1  | 648.1 | 619.7 | 568.5 | 5.2                   | 52               |
|               | 240           | 738.8                | 664.9        | 664.9  | 664.9  | 664.9  | 637.0 | 603.0 | 553.2 | 5.2                   | 52               |
|               | 270           | 752.4                | 677.2        | 677.2  | 677.2  | 663.4  | 620.5 | 587.5 | 538.9 | 5.1                   | 52               |

PS ※2DWELL



DA型(450DA)

| 分割<br>等份<br>S | 轉位<br>角度<br>θ | 靜扭力<br>Ts<br>(kgf-m) | 動扭力 (kgf-m)  |        |         |        |        |        |        | 摩擦扭力<br>Tx<br>(kgf-m) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------|----------------------|--------------|--------|---------|--------|--------|--------|--------|-----------------------|------------------|
|               |               |                      | 分割迴轉速 N(rpm) |        |         |        |        |        |        |                       |                  |
|               |               |                      | 25           | 50     | 75      | 100    | 125    | 150    | 200    |                       |                  |
| 4             | 270           | 1312.4               | 1157.3       | 940.1  | 832.4   | 763.6  | 714.1  | 676.1  |        | 15.9                  | 100              |
| 5             | 240           | 1293.7               | 1164.3       | 1006.3 | 891.0   | 817.3  | 764.4  | 723.7  |        | 14.4                  | 100              |
|               | 270           | 1372.8               | 1231.9       | 1000.6 | 886.0   | 812.7  | 760.1  | 719.7  |        | 13.9                  | 100              |
| 6             | 180           | 2200.8               | 1980.7       | 1832.9 | 1623.0  | 1488.8 | 1392.4 | 1318.3 |        | 20.2                  | 100              |
|               | 210           | 2399.1               | 2159.2       | 1827.2 | 1618.0  | 1484.2 | 1388.1 | 1314.2 | 1205.5 | 19.2                  | 100              |
|               | 240           | 2560.7               | 2232.9       | 1813.7 | 1605.9  | 1473.2 | 1377.8 | 1304.4 | 1196.6 | 18.5                  | 100              |
|               | 270           | 2692.4               | 2210.1       | 1795.2 | 1589.6  | 1458.1 | 1363.7 | 1291.1 | 1184.4 | 17.9                  | 100              |
| 8             | 180           | 2560.7               | 2304.6       | 2304.6 | 2050.4  | 1880.9 | 1759.1 | 1665.5 | 1527.8 | 18.5                  | 100              |
|               | 210           | 2730.8               | 2457.7       | 2283.3 | 2021.8  | 1854.6 | 1734.5 | 1642.2 | 1506.4 | 17.7                  | 100              |
|               | 240           | 2861.2               | 2575.1       | 2245.4 | 1988.2  | 1823.8 | 1705.7 | 1614.9 | 1481.4 | 17.2                  | 100              |
|               | 270           | 2962.2               | 2666.0       | 2205.4 | 1952.8  | 1791.3 | 1675.3 | 1586.1 | 1455.0 | 16.7                  | 100              |
| 10            | 180           | 2738.0               | 2464.2       | 2464.2 | 2261.6  | 2074.6 | 1940.2 | 1837.0 | 1685.1 | 17.2                  | 100              |
|               | 210           | 2939.2               | 2645.3       | 2632.1 | 26820.4 | 2137.9 | 1999.5 | 1893.1 | 1736.5 | 16.8                  | 100              |
|               | 240           | 3041.4               | 2737.3       | 2572.3 | 2277.7  | 2089.4 | 1954.1 | 1850.1 | 1697.1 | 16.4                  | 100              |
|               | 270           | 3117.9               | 2806.1       | 2514.0 | 2250.6  | 2042.0 | 1909.8 | 1808.2 | 1658.7 | 16.1                  | 100              |
| 12            | 150           | 1537.6               | 1383.8       | 1383.8 | 1382.0  | 1267.7 | 1185.6 | 1122.5 | 1029.7 | 12.9                  | 100              |
|               | 180           | 1751.8               | 1576.6       | 1576.6 | 1498.7  | 1374.8 | 1285.7 | 1217.3 | 1116.7 | 13.3                  | 100              |
|               | 210           | 1825.8               | 1643.2       | 1643.2 | 1460.9  | 1340.1 | 1253.3 | 1186.6 | 1088.5 | 12.9                  | 100              |
|               | 240           | 1879.2               | 1691.3       | 1608.1 | 1423.9  | 1306.1 | 1221.6 | 1156.6 | 1060.9 | 12.6                  | 100              |
|               | 270           | 1918.7               | 1726.8       | 1568.4 | 1388.8  | 1274.0 | 1191.5 | 1128.0 | 1034.8 | 12.4                  | 100              |
| 15            | 150           | 1294.3               | 1310.5       | 1310.5 | 1310.5  | 1225.6 | 1146.2 | 1085.2 | 995.5  | 10.8                  | 70               |
|               | 180           | 1357.0               | 1374.0       | 1374.0 | 1295.2  | 118.1  | 1111.2 | 1052.0 | 965.0  | 10.5                  | 70               |
|               | 210           | 1399.5               | 1417.0       | 1417.0 | 1255.9  | 1152.0 | 1077.4 | 1020.1 | 935.7  | 10.3                  | 70               |
|               | 240           | 1819.4               | 1842.1       | 1809.5 | 1602.2  | 1469.8 | 1374.6 | 1301.4 | 1193.8 | 11.5                  | 70               |
|               | 270           | 1845.4               | 1868.5       | 1759.1 | 1557.6  | 1428.8 | 1336.3 | 1265.2 | 1160.6 | 11.3                  | 70               |
| 16            | 150           | 1482.9               | 1334.6       | 1334.6 | 1334.6  | 1266.7 | 1184.7 | 1121.6 | 1028.9 | 10.7                  | 70               |
|               | 180           | 1547.9               | 1393.1       | 1393.1 | 1335.7  | 1225.3 | 1145.9 | 1084.9 | 995.2  | 10.4                  | 70               |
|               | 210           | 1591.5               | 1432.4       | 1432.4 | 1293.2  | 1186.3 | 1109.5 | 1050.4 | 963.5  | 10.2                  | 70               |
|               | 240           | 1621.9               | 1459.7       | 1416.4 | 1254.2  | 1150.5 | 1076.0 | 1018.7 | 934.5  | 10.0                  | 70               |
|               | 270           | 1643.7               | 1479.4       | 1376.4 | 1218.8  | 1118.0 | 1045.6 | 990.0  | 908.1  | 9.9                   | 70               |
| ※16           | 210           | 3072.1               | 2764.9       | 2764.9 | 2764.9  | 2568.7 | 2402.3 | 2274.5 | 2086.4 | 17.7                  | 100              |
|               | 240           | 3218.8               | 2896.9       | 2896.9 | 2753.7  | 2526.0 | 2362.5 | 2236.7 | 2051.8 | 17.2                  | 100              |
|               | 270           | 3332.5               | 2999.2       | 3054.5 | 2704.7  | 2481.0 | 2320.4 | 2196.9 | 2015.2 | 16.7                  | 100              |
| ※20           | 180           | 3080.2               | 2772.2       | 2772.2 | 2772.2  | 2772.2 | 2687.3 | 2544.2 | 2333.9 | 17.2                  | 100              |
|               | 210           | 3306.7               | 2976.0       | 2976.0 | 2976.0  | 2961.1 | 2769.4 | 2622.0 | 2405.2 | 16.8                  | 100              |
|               | 240           | 3421.6               | 3079.4       | 3079.4 | 3079.4  | 2893.8 | 2706.5 | 2562.4 | 2350.5 | 16.4                  | 100              |
|               | 270           | 3507.7               | 3156.9       | 3156.9 | 3083.2  | 2828.3 | 2645.2 | 2504.4 | 2297.3 | 16.1                  | 100              |
| ※24           | 180           | 1970.8               | 1773.7       | 1773.7 | 1773.7  | 1773.7 | 1773.7 | 1686.0 | 1546.6 | 13.3                  | 100              |
|               | 210           | 2054.0               | 1848.6       | 1848.6 | 1848.6  | 1856.1 | 1735.9 | 1643.5 | 1507.6 | 12.9                  | 100              |
|               | 240           | 2114.1               | 1902.7       | 1902.7 | 1902.7  | 1809.1 | 1691.9 | 1601.9 | 1469.4 | 12.6                  | 100              |
|               | 270           | 2158.5               | 1942.6       | 1942.6 | 1923.5  | 1764.5 | 1650.2 | 1562.4 | 1433.2 | 12.4                  | 100              |
| ※32           | 180           | 1547.9               | 1393.1       | 1393.1 | 1393.1  | 1393.1 | 1393.1 | 1335.7 | 1225.3 | 10.5                  | 70               |
|               | 210           | 1591.5               | 1432.4       | 1432.4 | 1432.4  | 1432.4 | 1365.9 | 1293.2 | 1186.3 | 10.2                  | 70               |
|               | 240           | 1621.9               | 1459.7       | 1459.7 | 1459.7  | 1416.4 | 1324.7 | 1254.2 | 1150.5 | 10.0                  | 70               |
|               | 270           | 1643.7               | 1479.4       | 1479.4 | 1479.4  | 1376.4 | 1287.3 | 1218.8 | 1118.0 | 9.9                   | 70               |

PS ※2DWELL

DS.DF系列技術支援尋求資料表

圓盤驅動：☐

1. 分割數(表示需要幾個工作站)：\_\_\_\_\_

2. 入力軸驅使出力軸運動的角度：\_\_\_\_\_ 度

3. 入力軸每分鐘轉數：\_\_\_\_\_ RPM

4. 圓盤直徑：\_\_\_\_\_ mm；厚度：\_\_\_\_\_ mm；材質：\_\_\_\_\_

5. 夾具每組重量：\_\_\_\_\_ kg

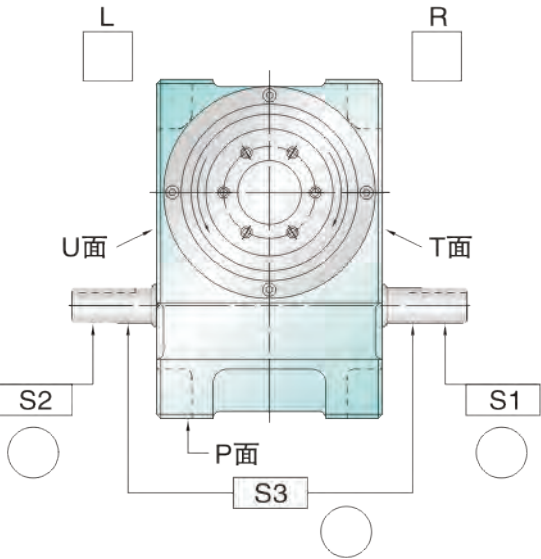
6. 工作每組重量：\_\_\_\_\_ kg

7. 夾具及工件固定的節圓直徑：\_\_\_\_\_ mm

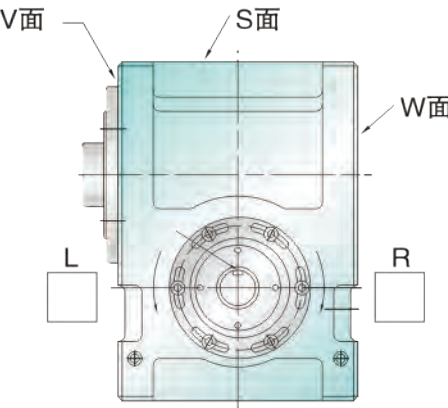
8. 圓盤底部是否有支撐：\_\_\_\_\_ mm(支撐之半徑)

分割器安裝面 P \_\_\_\_\_ S \_\_\_\_\_ T \_\_\_\_\_ U \_\_\_\_\_ V \_\_\_\_\_ W \_\_\_\_\_

請勾選出力軸旋轉方向



請勾選入力軸旋轉方向



請勾選入力軸需求那一邊  
(只留右邊S1，只留左邊S2，兩邊均要S3)



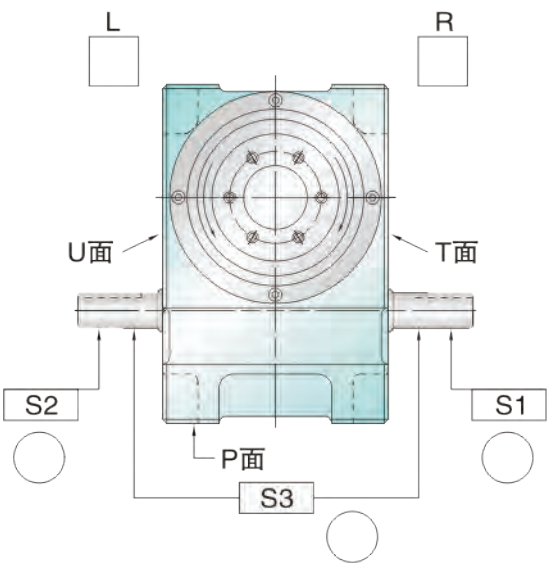
DS.DF系列技術支援尋求資料表

輸送帶驅動：☐

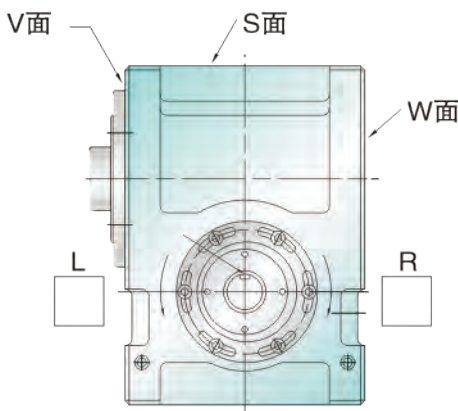
- 1. 分割數(表示需要幾個工作站)：\_\_\_\_\_
- 2. 入力軸驅使出力軸運動的角度：\_\_\_\_\_度
- 3. 入力軸每分鐘轉數：\_\_\_\_\_ RPM
- 4. 輸送帶輸送間距：\_\_\_\_\_ mm;
- 5. 主動輪節圓直徑：\_\_\_\_\_ mm; 重量：\_\_\_\_\_ kg
- 6. 從動輪節圓直徑：\_\_\_\_\_ mm; 重量：\_\_\_\_\_ kg
- 7. 傳動軸的直徑：\_\_\_\_\_ mm; 重量：\_\_\_\_\_ kg; 數量：\_\_\_\_\_ 支
- 8. 鏈輪節圓直徑：\_\_\_\_\_ mm; 重量：\_\_\_\_\_ kg; 數量：\_\_\_\_\_ 組
- 9. 鏈條重量：\_\_\_\_\_ kg; 重量：\_\_\_\_\_ 組
- 10. 夾具每組重量：\_\_\_\_\_ kg; 重量：\_\_\_\_\_ 組
- 11. 工件每組重量：\_\_\_\_\_ kg; 重量：\_\_\_\_\_ 組

分割器安裝面 P \_\_\_\_\_ S \_\_\_\_\_ T \_\_\_\_\_ U \_\_\_\_\_ V \_\_\_\_\_ W \_\_\_\_\_

請勾選出力軸旋轉方向



請勾選入力軸旋轉方向



請勾選入力軸需求那一邊  
(只留右邊S1, 只留左邊S2, 兩邊均要S3)

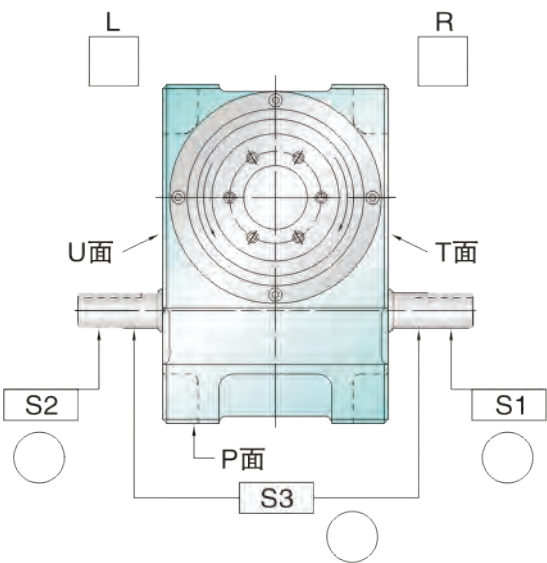
DS.DF系列技術支援尋求資料表

齒輪間接驅動：☐

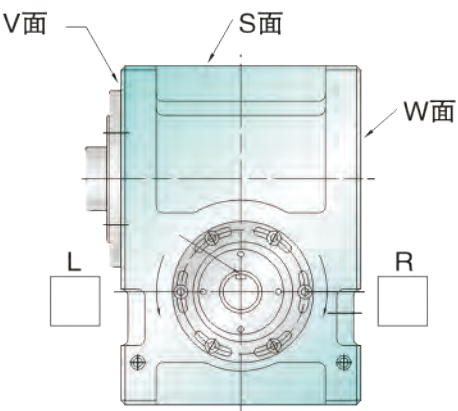
- 1. 分割數(表示需要幾個工作站)：\_\_\_\_\_
- 2. 入力軸驅使出力軸運動的角度：\_\_\_\_\_度
- 3. 入力軸每分鐘轉數：\_\_\_\_\_ RPM
- 4. 主動輪節圓直徑：\_\_\_\_\_ mm; 重量：\_\_\_\_\_ kg
- 5. 從動輪節圓直徑：\_\_\_\_\_ mm; 重量：\_\_\_\_\_ kg
- 6. 夾具每組重量：\_\_\_\_\_ kg; 數量：\_\_\_\_\_ 組
- 7. 工件每組重量：\_\_\_\_\_ kg; 數量：\_\_\_\_\_ 組
- 8. 治具固定於節圓直徑：\_\_\_\_\_ mm;
- 9. 圓盤底部是否有支撐：\_\_\_\_\_ mm (支撐之半徑)

分割器安裝面 P \_\_\_\_\_ S \_\_\_\_\_ T \_\_\_\_\_ U \_\_\_\_\_ V \_\_\_\_\_ W \_\_\_\_\_

請勾選出力軸旋轉方向



請勾選入力軸旋轉方向

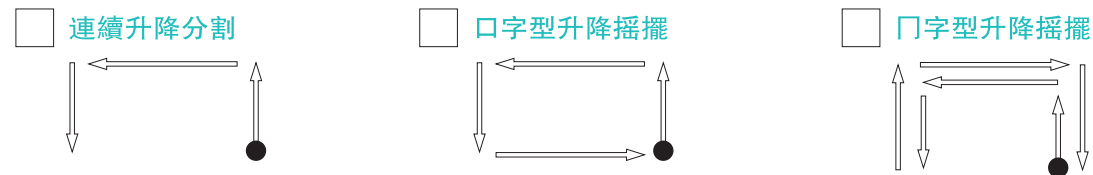


請勾選入力軸需求那一邊  
(只留右邊S1, 只留左邊S2, 兩邊均要S3)



## DH系列技術支援尋求資料表

### 1. 動作時序的選擇



2. 分割數(表示需要幾個工作站): \_\_\_\_\_, 搖擺角度: \_\_\_\_\_ 度(90度以內)

3. 升降行程: \_\_\_\_\_ mm

4. 入力軸每分鐘旋轉速度: \_\_\_\_\_ rpm

### 5. 負載條件:

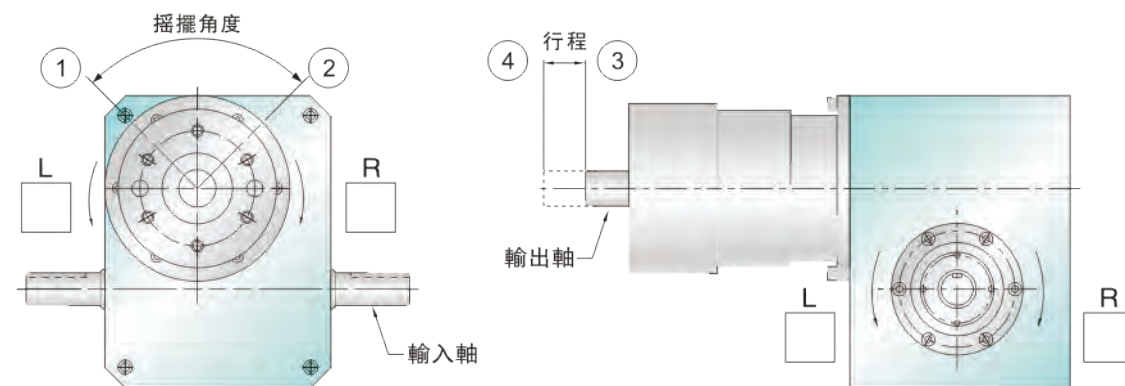
擺臂長度: \_\_\_\_\_ mm 寬度: \_\_\_\_\_ mm 厚度: \_\_\_\_\_ mm 材質: \_\_\_\_\_

圓盤直徑: \_\_\_\_\_ mm 厚度: \_\_\_\_\_ mm 材質: \_\_\_\_\_

夾具每組重量: \_\_\_\_\_ kg 數量: \_\_\_\_\_ 組

工件每組重量: \_\_\_\_\_ kg 數量: \_\_\_\_\_ 組

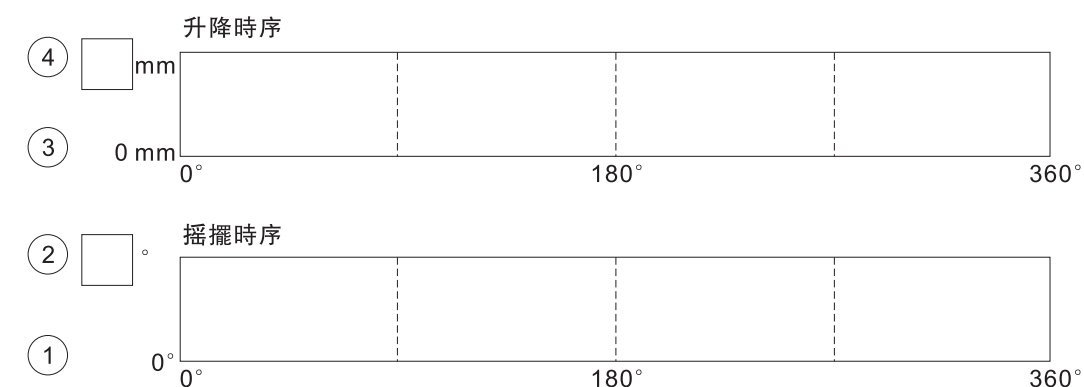
夾具及工件固定的節圓直徑: \_\_\_\_\_ mm



請勾選出力軸旋轉方向

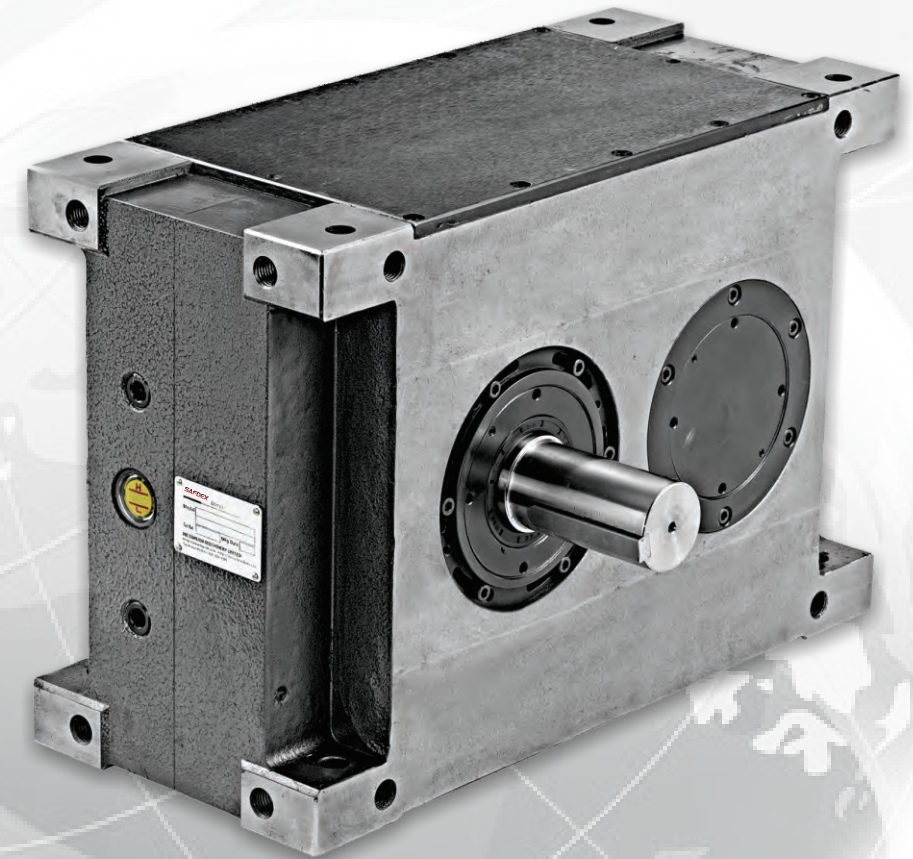
請勾選入力軸旋轉方向

## 作動曲綫時序表



Indexing Solutions

SAFDEx drives



## PU 平板共軛凸輪式分割器

50DS / 60DS / 65DS / 80DS / 100DS / 125DS  
150DS / 175DS / 225DS / 250DS / 320DS / 400DS

### 產品特點

內含二片固定在入力軸的板型凸輪以及隨凸輪傳動的滾子轉塔出力軸，此分割器有平行共軛凸輪的機構設計，藉由接合於入力軸上的二片板形凸輪轉動而傳動滾子轉塔旋轉而達成出力軸分度的功能，最適合供給節距較大的輸送帶傳動，或用於停留時間較長的間歇分度。另有三片式重負荷型式，更適合一些快速且長節距的輸送，並且停留時間亦比二片式長。



入力軸驅動角度、出力軸分割等份標準規格表

PU50 / 60 / 65 / 80 / 100 / 125 / 150型

| 分割等份 |   |   |   |   |   |   |   |    |    |    |
|------|---|---|---|---|---|---|---|----|----|----|
| 驅動角度 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 16 |
| 90   |   |   |   | ● |   |   |   |    |    |    |
| 120  |   |   |   | ● |   |   |   |    |    |    |
| 150  |   |   | ● | ● |   |   |   |    |    |    |
| 180  |   | ● | ● | ● |   | ● | ● |    |    |    |
| 210  |   | ● | ● | ● |   | ● | ● |    |    |    |
| 240  |   | ● | ● | ● |   | ● | ● |    |    |    |
| 270  | ● | ● | ● | ● |   | ● | ● |    |    |    |
| 300  | ● | ● | ● | ● |   | ● | ● |    |    |    |
| 330  | ● | ● | ● | ● |   | ● | ● |    |    |    |
| 360  | ● | ● | ● | ● |   | ● | ● |    |    |    |

PU175型

| 分割等份 |   |   |   |   |   |   |   |    |    |    |
|------|---|---|---|---|---|---|---|----|----|----|
| 驅動角度 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 16 |
| 90   |   |   |   | ● | ● |   |   |    |    |    |
| 120  |   |   |   | ● | ● |   |   |    |    |    |
| 150  |   |   | ● | ● | ● |   |   |    |    |    |
| 180  |   | ● | ● | ● | ● | ● | ● | ●  | ●  |    |
| 210  |   | ● | ● | ● | ● | ● | ● | ●  | ●  |    |
| 240  |   | ● | ● | ● | ● | ● | ● | ●  | ●  |    |
| 270  | ● | ● | ● | ● | ● | ● | ● | ●  | ●  |    |
| 300  | ● | ● | ● | ● | ● | ● | ● | ●  | ●  |    |
| 330  | ● | ● | ● | ● | ● | ● | ● | ●  | ●  |    |
| 360  | ● | ● | ● | ● | ● | ● | ● | ●  | ●  |    |

PU225 / 250 / 320 / 400型

| 分割等份 |   |   |   |   |   |   |   |    |    |    |
|------|---|---|---|---|---|---|---|----|----|----|
| 驅動角度 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 16 |
| 90   |   |   |   | ● | ● |   |   |    |    |    |
| 120  |   |   |   | ● | ● |   |   |    |    |    |
| 150  |   |   | ● | ● | ● |   |   |    |    |    |
| 180  |   | ● | ● | ● | ● | ● | ● | ●  | ●  | ●  |
| 210  |   | ● | ● | ● | ● | ● | ● | ●  | ●  | ●  |
| 240  |   | ● | ● | ● | ● | ● | ● | ●  | ●  | ●  |
| 270  | ● | ● | ● | ● | ● | ● | ● | ●  | ●  | ●  |
| 300  | ● | ● | ● | ● | ● | ● | ● | ●  | ●  | ●  |
| 330  | ● | ● | ● | ● | ● | ● | ● | ●  | ●  | ●  |
| 360  | ● | ● | ● | ● | ● | ● | ● | ●  | ●  | ●  |

機種選購指定代號排列標示方法

P

080

S

01

270

2

A

S12

W

1

X

a

b

c

d

e

f

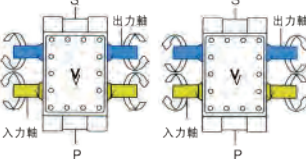
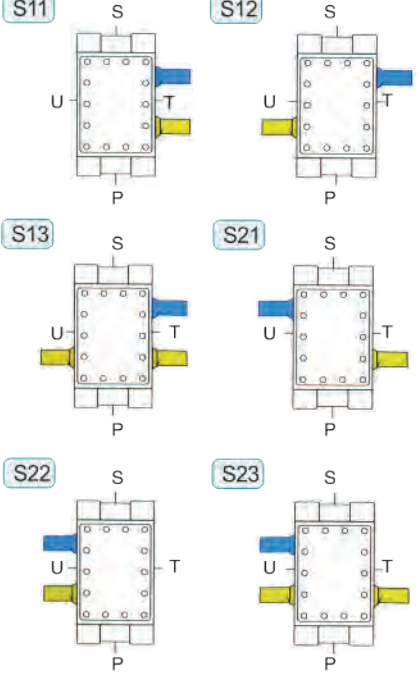
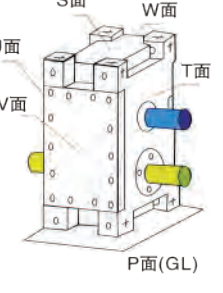
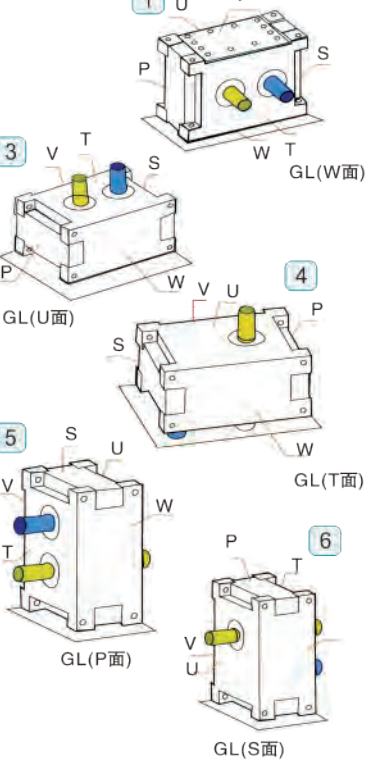
g

h

i

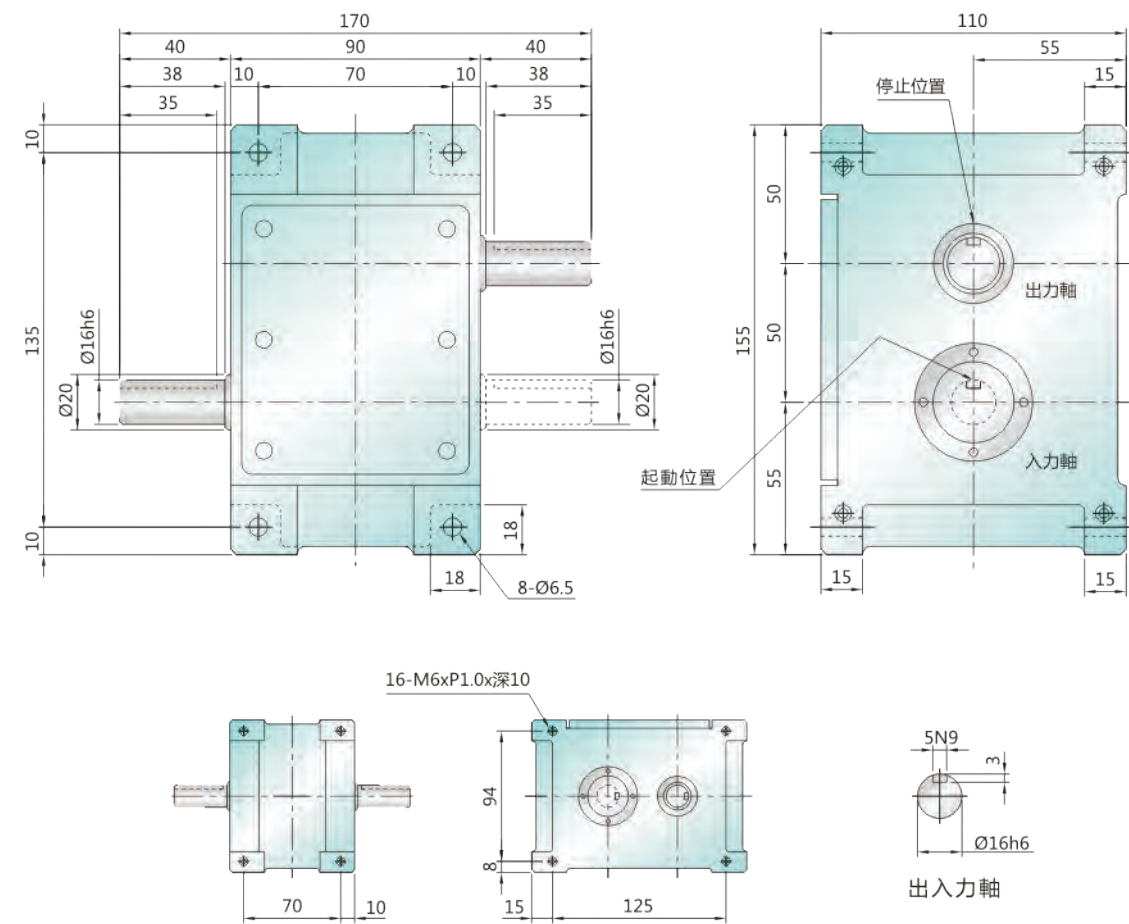
j

k

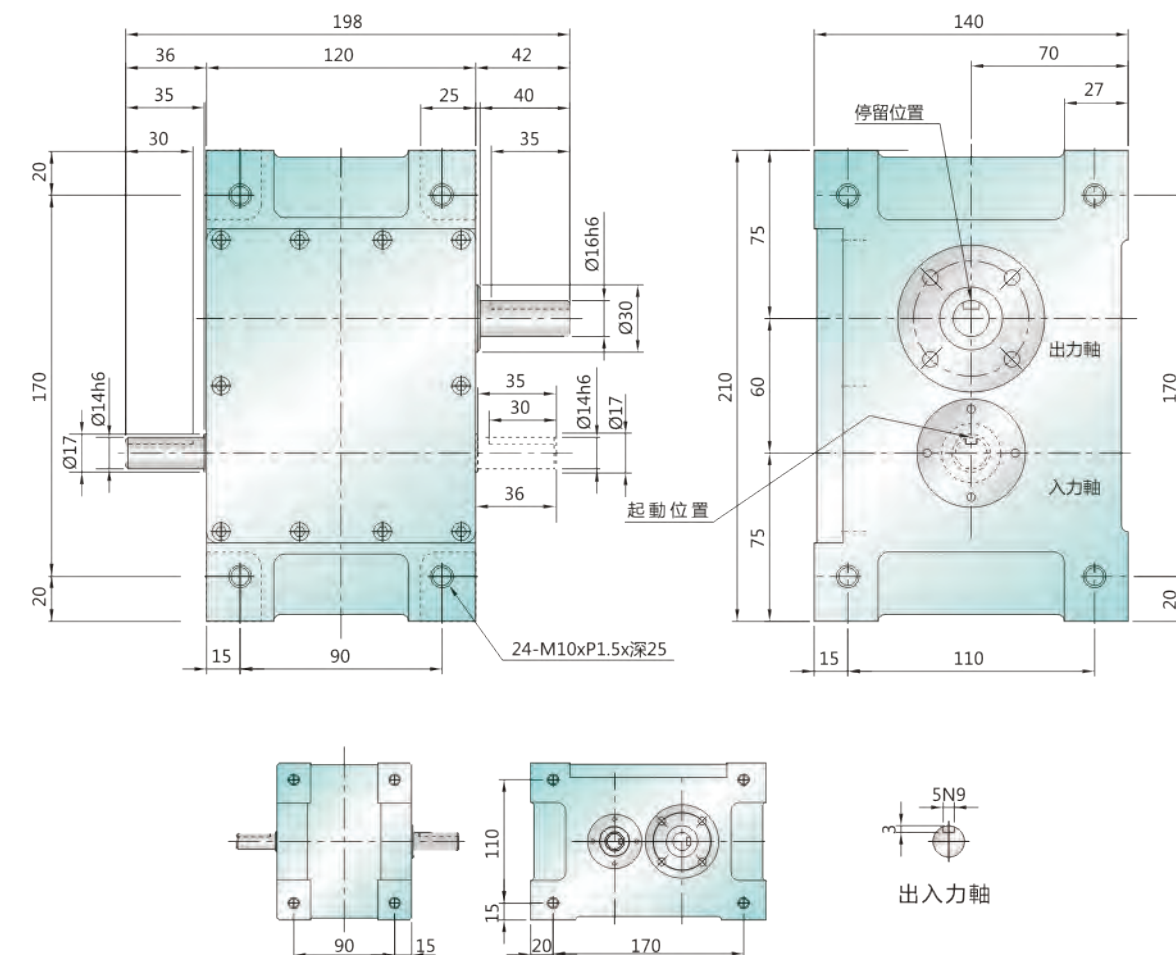
| a<br>機種                                                                                                                                                                                                                                                  | b<br>規格                                                                            | c<br>形式                                                                                                                                                                                   | d<br>分割等份<br>(S)                                                                                                                                                                                          | e<br>驅動角<br>(θ / r)                                                            | f<br>凸輪運動曲線                                                                                                                                                                                                          | g<br>凸輪旋轉方向                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| PU<br>平板共軛凸輪                                                                                                                                                                                                                                             | 080<br>80mm                                                                        | S<br>Type                                                                                                                                                                                 | 01<br>1 stop                                                                                                                                                                                              | 270°                                                                           | 2<br>MS曲線                                                                                                                                                                                                            | A<br>間歇驅動之右旋向凸輪                                                                                                                                     |
|                                                                                                                                                                       | 出力軸與<br>入力軸之<br>軸間距離<br>50/50/65<br>80/100<br>125/150<br>175/225<br>250/320<br>400 | S<br>心軸型                                                                                                                                                                                  | 定位分割<br>等份<br>1.2.3.4.6.<br>8                                                                                                                                                                             | 入力凸輪<br>驅動出力<br>軸分割之<br>角度<br>90°/120°<br>150°/180°<br>210°/240°<br>270°/300°  | <div> <div>1 變形臺形曲線<br/>MT(Modified Troprzoid)</div> <div>2 變形正弦曲線<br/>MS(Modified Sine)</div> <div>3 變形等速度曲線<br/>MCV50(Modified Constant Velocity 50)</div> <div>4 有理式仿線<br/>RBS(Rotational B-Splines)</div> </div> | <div> <div>A 逆時針回轉</div> <div>B 順時針回轉</div> </div> <div>  </div> |
| h<br>出力軸、入力軸組立方向                                                                                                                                                                                                                                         |                                                                                    | i<br>本體安裝螺絲孔面                                                                                                                                                                             | j<br>安裝位置                                                                                                                                                                                                 | k<br>特殊規格說明                                                                    |                                                                                                                                                                                                                      |                                                                                                                                                     |
| <div>S12</div> <div>T面及U面</div> <div> <div>□ 出力軸、入力軸組立方向之選擇</div> <div> <div>S11 T面單向</div> <div>S12 T面單向、U面單向</div> <div>S13 T面單向、T.U面雙向</div> </div> </div>                                                                                            |                                                                                    | W                                                                                                                                                                                         | 1                                                                                                                                                                                                         | <div>訂購時外部特殊之指定要求</div> <div> <div>□ 標準(不加符號)</div> <div>X 特別指定注明</div> </div> |                                                                                                                                                                                                                      |                                                                                                                                                     |
| <div> <div>■ 入力軸</div> <div>■ 出力軸</div> </div> <div> <div>S11</div> <div>S12</div> <div>S13</div> <div>S21</div> <div>S22</div> <div>S23</div> </div> <div>  </div> |                                                                                    | <div> <div>S面</div> <div>W面</div> <div>U面</div> <div>V面</div> <div>P面(GL)</div> </div> <div>  </div> | <div> <div>1 U</div> <div>2 V</div> <div>3 T</div> <div>4 W</div> <div>5 S</div> <div>6 P</div> </div> <div>  </div> |                                                                                |                                                                                                                                                                                                                      |                                                                                                                                                     |



平板共軛凸輪式分割器 PU50DS



PU60DS 平板共軛凸輪式分割器



PU50DS

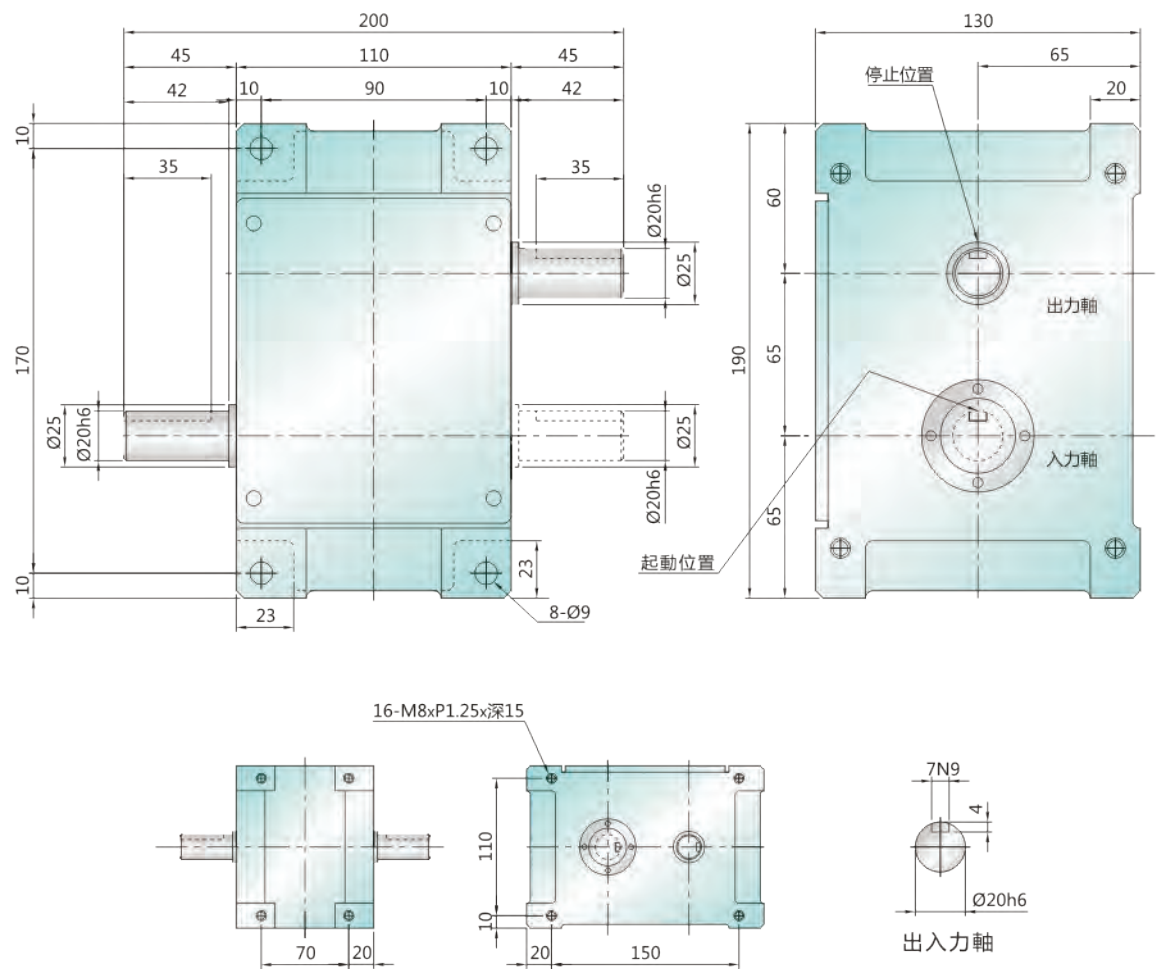
| 項目          | 符號 | 單位        | 數值                |
|-------------|----|-----------|-------------------|
| 出力軸容許軸向負荷   | P1 | kgf       | 130               |
| 出力軸容許徑向負荷   | P2 | kgf       | 100               |
| 出力軸容許力矩     | Ts | kgf-m     | 參考力矩表             |
| 出力軸的旋轉剛性    | K1 | kgf-m/rad | $4.4 \times 10^2$ |
| 入力軸容許軸向應力   | P4 | kgf       | 130               |
| 入力軸容許徑向負荷   | P5 | kgf       | 100               |
| 入力軸容許扭力     | P6 | kgf-m     | 6                 |
| 入力軸的旋轉剛性    | K2 | kgf-m/rad | $4.4 \times 10^2$ |
| 1DWELL的分割精度 |    | sec.      | ± 72              |
| 2DWELL的分割精度 |    | sec.      | ± 144             |
| 重覆定位精度      |    | sec.      | 72                |
| 重量          |    | kg        | 7                 |

PU60DS

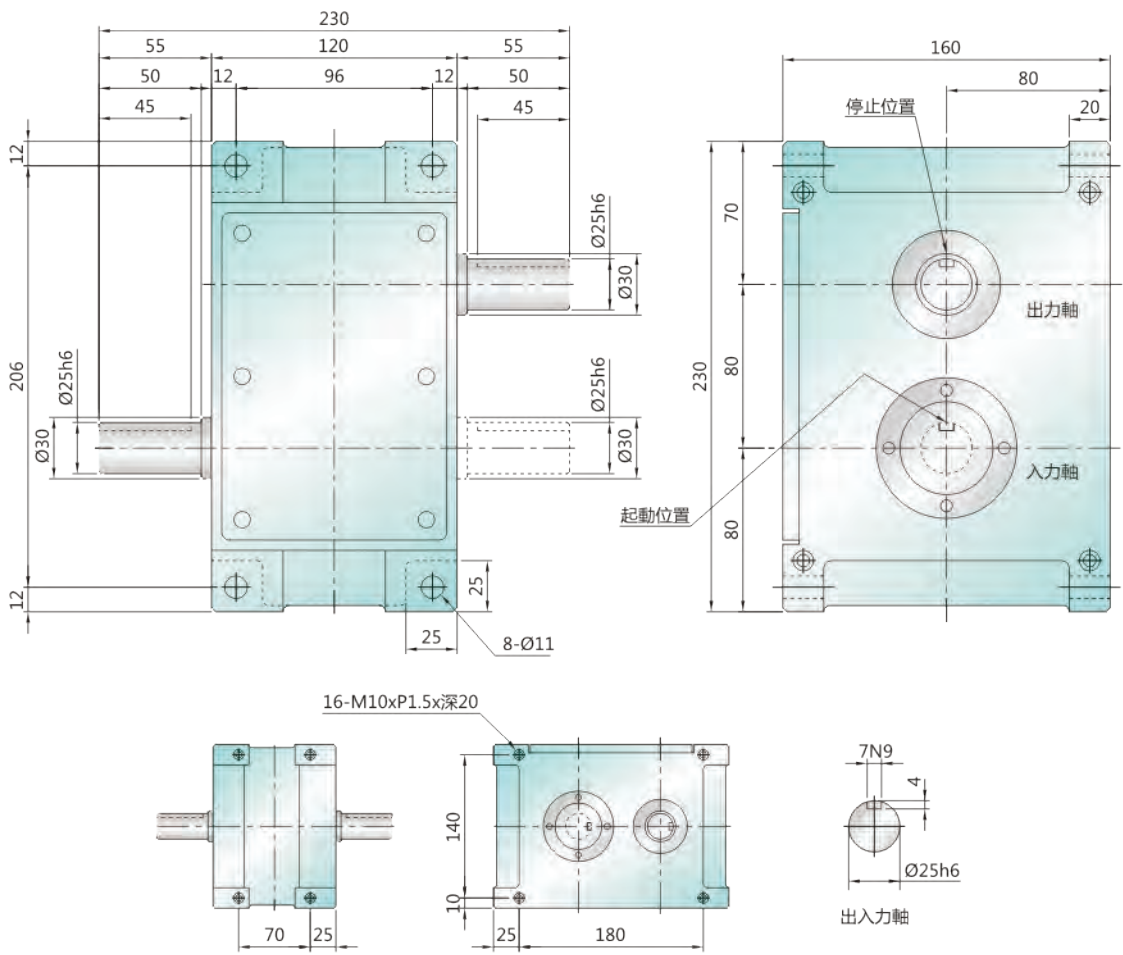
| 項目          | 符號 | 單位        | 數值                |
|-------------|----|-----------|-------------------|
| 出力軸容許軸向負荷   | P1 | kgf       | 190               |
| 出力軸容許徑向負荷   | P2 | kgf       | 130               |
| 出力軸容許力矩     | Ts | kgf-m     | 參考力矩表             |
| 出力軸的旋轉剛性    | K1 | kgf-m/rad | $6.8 \times 10^2$ |
| 入力軸容許軸向應力   | P4 | kgf       | 190               |
| 入力軸容許徑向負荷   | P5 | kgf       | 130               |
| 入力軸容許扭力     | P6 | kgf-m     | 8.5               |
| 入力軸的旋轉剛性    | K2 | kgf-m/rad | $6.8 \times 10^2$ |
| 1DWELL的分割精度 |    | sec.      | ± 60              |
| 2DWELL的分割精度 |    | sec.      | ± 120             |
| 重覆定位精度      |    | sec.      | 60                |
| 重量          |    | kg        | 16                |



平板共軛凸輪式分割器 PU65DS



PU80DS 平板共軛凸輪式分割器



PU65DS

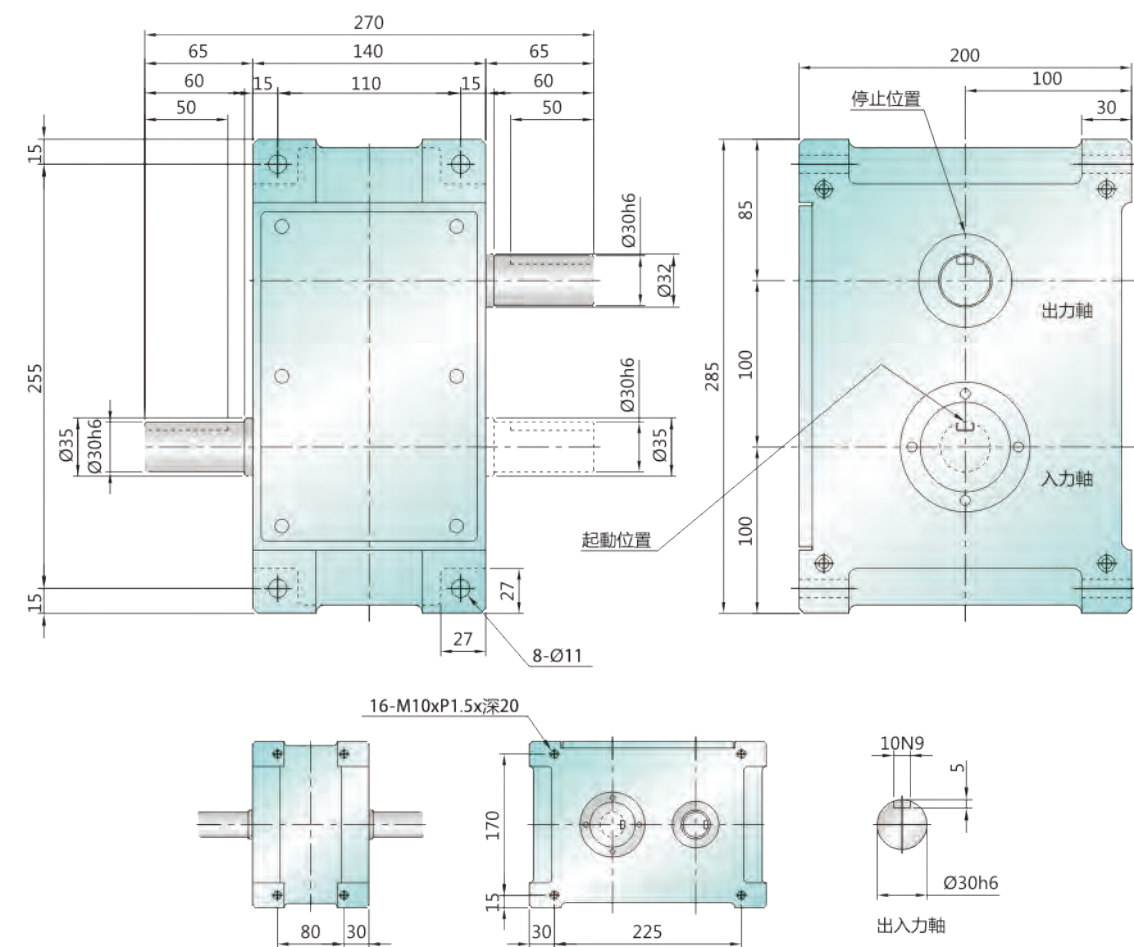
| 項目          | 符號   | 單位        | 數值                |
|-------------|------|-----------|-------------------|
| 出力軸容許軸向負荷   | P1   | kgf       | 250               |
| 出力軸容許徑向負荷   | P2   | kgf       | 160               |
| 出力軸容許力矩     | Ts   | kgf-m     | 參考力矩表             |
| 出力軸的旋轉剛性    | K1   | kgf-m/rad | $9.2 \times 10^2$ |
| 入力軸容許軸向應力   | P4   | kgf       | 250               |
| 入力軸容許徑向負荷   | P5   | kgf       | 160               |
| 入力軸容許扭力     | P6   | kgf-m     | 11                |
| 入力軸的旋轉剛性    | K2   | kgf-m/rad | $9.2 \times 10^2$ |
| 1DWELL的分割精度 | sec. |           | ± 60              |
| 2DWELL的分割精度 | sec. |           | ± 120             |
| 重覆定位精度      | sec. |           | 60                |
| 重量          | kg   |           | 15                |

PU80DS

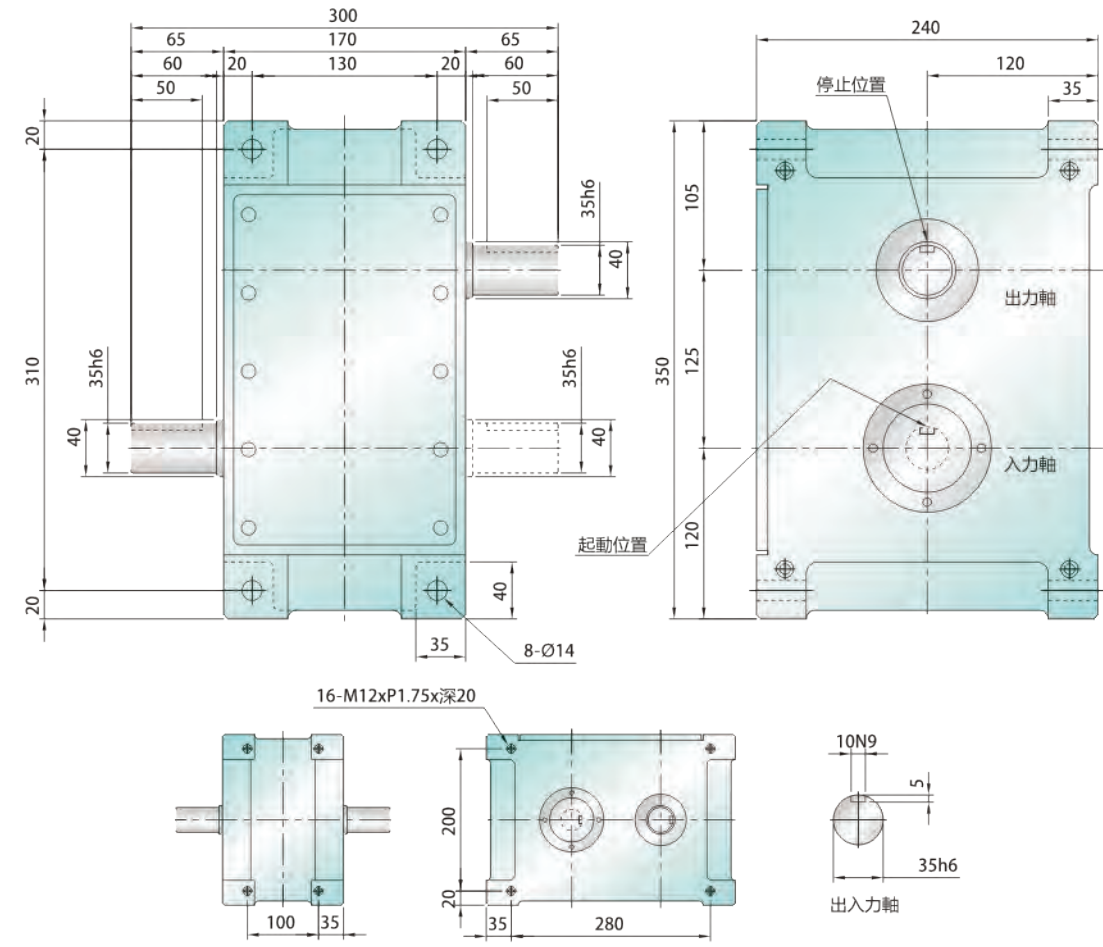
| 項目          | 符號   | 單位        | 數值                 |
|-------------|------|-----------|--------------------|
| 出力軸容許軸向負荷   | P1   | kgf       | 360                |
| 出力軸容許徑向負荷   | P2   | kgf       | 250                |
| 出力軸容許力矩     | Ts   | kgf-m     | 參考力矩表              |
| 出力軸的旋轉剛性    | K1   | kgf-m/rad | $1.85 \times 10^3$ |
| 入力軸容許軸向應力   | P4   | kgf       | 360                |
| 入力軸容許徑向負荷   | P5   | kgf       | 250                |
| 入力軸容許扭力     | P6   | kgf-m     | 8.5                |
| 入力軸的旋轉剛性    | K2   | kgf-m/rad | $1.85 \times 10^3$ |
| 1DWELL的分割精度 | sec. |           | ± 60               |
| 2DWELL的分割精度 | sec. |           | ± 120              |
| 重覆定位精度      | sec. |           | 60                 |
| 重量          | kg   |           | 20                 |



平板共軛凸輪式分割器 PU100DS



PU125DS 平板共軛凸輪式分割器



PU100DS

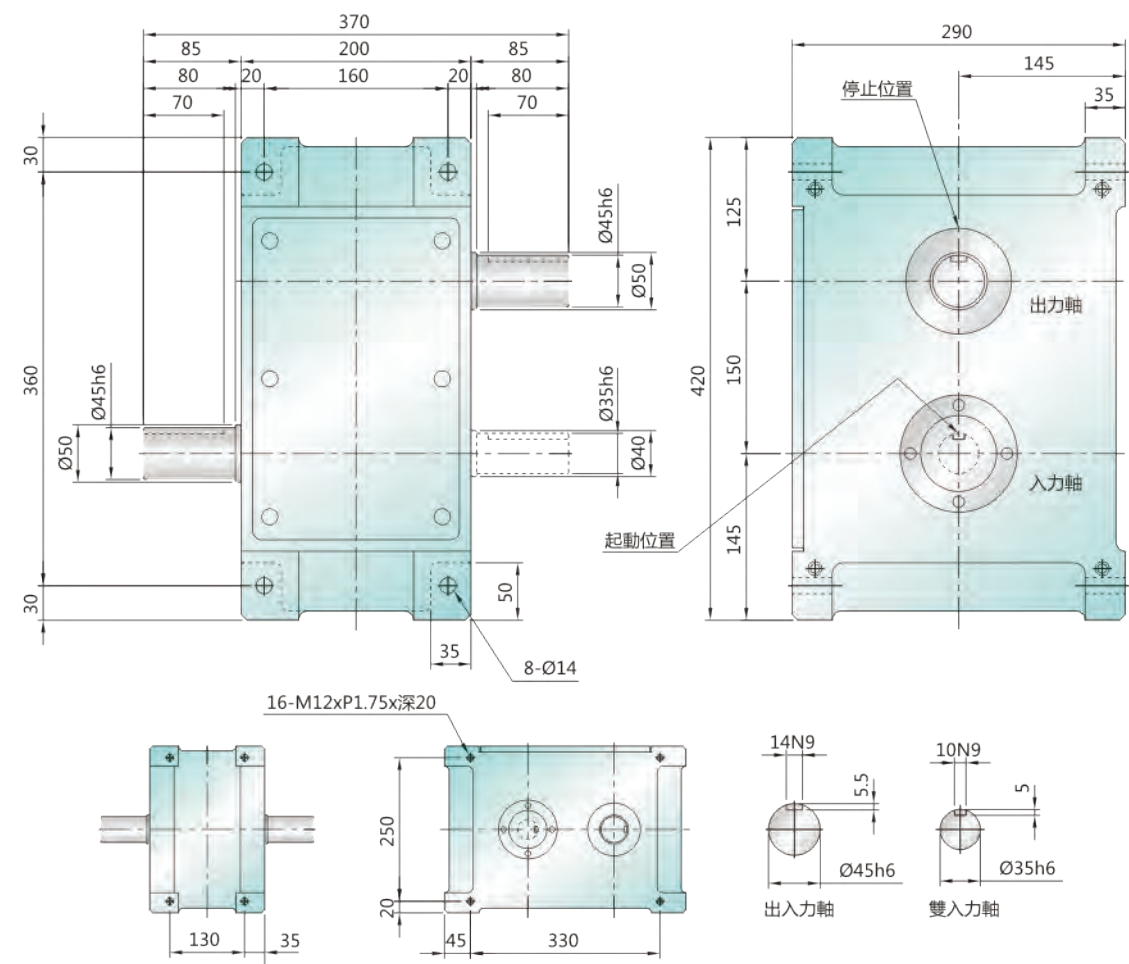
| 項目          | 符號   | 單位        | 數值                 |
|-------------|------|-----------|--------------------|
| 出力軸容許軸向負荷   | P1   | kgf       | 360                |
| 出力軸容許徑向負荷   | P2   | kgf       | 250                |
| 出力軸容許力矩     | Ts   | kgf-m     | 參考力矩表              |
| 出力軸的旋轉剛性    | K1   | kgf-m/rad | $1.85 \times 10^3$ |
| 入力軸容許軸向應力   | P4   | kgf       | 360                |
| 入力軸容許徑向負荷   | P5   | kgf       | 250                |
| 入力軸容許扭力     | P6   | kgf-m     | 8.5                |
| 入力軸的旋轉剛性    | K2   | kgf-m/rad | $1.85 \times 10^3$ |
| 1DWELL的分割精度 | sec. |           | ± 60               |
| 2DWELL的分割精度 | sec. |           | ± 120              |
| 重複定位精度      | sec. |           | 60                 |
| 重量          | kg   |           | 20                 |

PU125DS

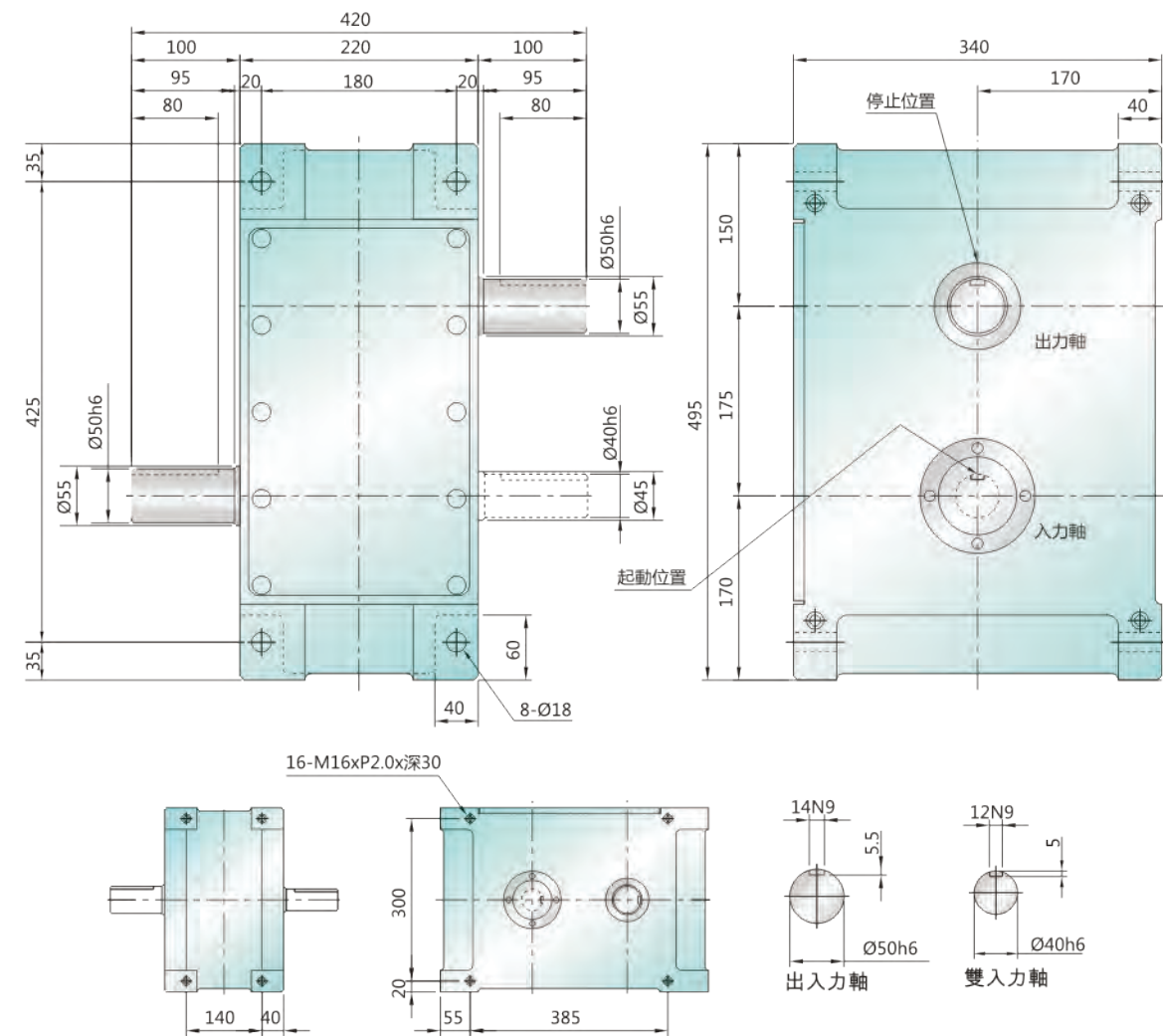
| 項目          | 符號   | 單位        | 數值                 |
|-------------|------|-----------|--------------------|
| 出力軸容許軸向負荷   | P1   | kgf       | 520                |
| 出力軸容許徑向負荷   | P2   | kgf       | 630                |
| 出力軸容許力矩     | Ts   | kgf-m     | 參考力矩表              |
| 出力軸的旋轉剛性    | K1   | kgf-m/rad | $5.03 \times 10^3$ |
| 入力軸容許軸向應力   | P4   | kgf       | 520                |
| 入力軸容許徑向負荷   | P5   | kgf       | 630                |
| 入力軸容許扭力     | P6   | kgf-m     | 65                 |
| 入力軸的旋轉剛性    | K2   | kgf-m/rad | $5.03 \times 10^3$ |
| 1DWELL的分割精度 | sec. |           | ± 60               |
| 2DWELL的分割精度 | sec. |           | ± 120              |
| 重複定位精度      | sec. |           | 60                 |
| 重量          | kg   |           | 65                 |



平板共軛凸輪式分割器 PU150DS



PU175DS 平板共軛凸輪式分割器



PU150DS

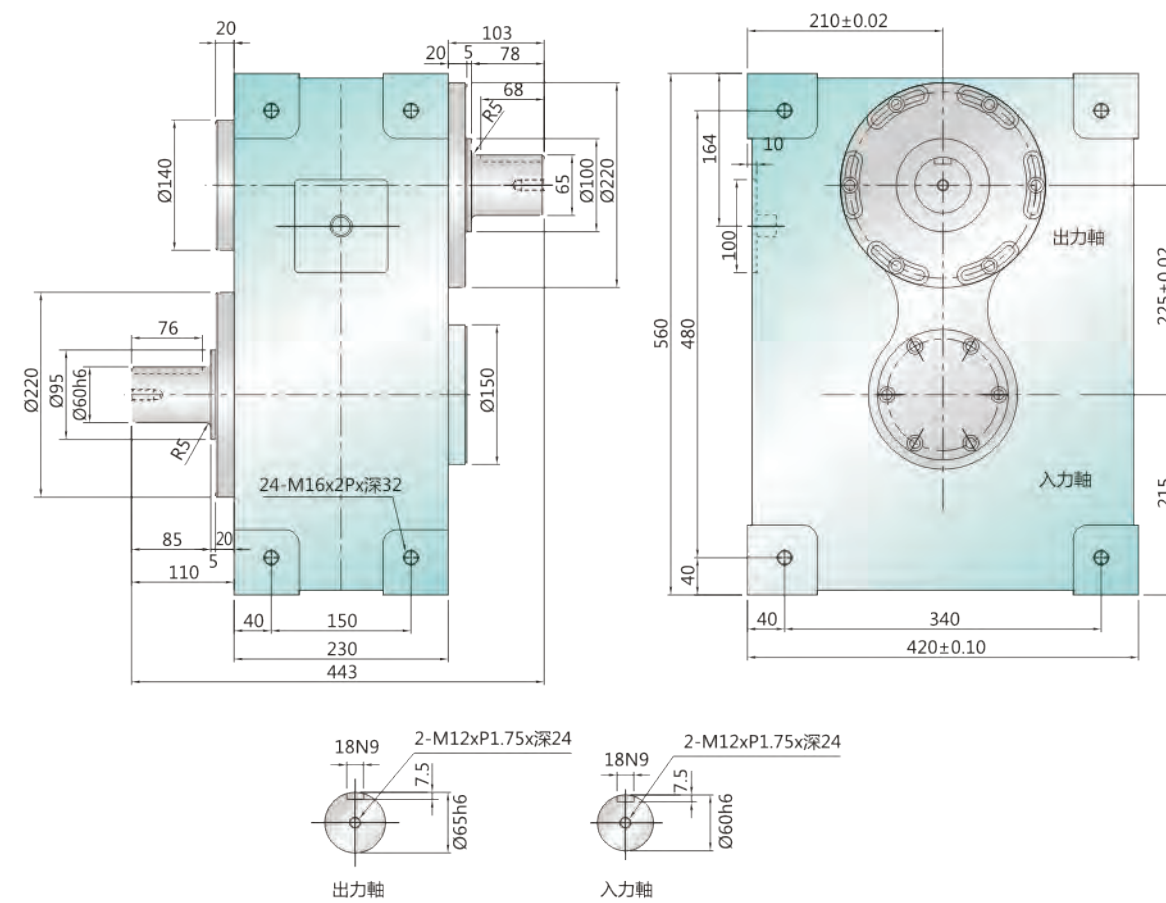
| 項目          | 符號   | 單位        | 數值                   |
|-------------|------|-----------|----------------------|
| 出力軸容許軸向負荷   | P1   | kgf       | 750                  |
| 出力軸容許徑向負荷   | P2   | kgf       | 860                  |
| 出力軸容許力矩     | Ts   | kgf-m     | 參考力矩表                |
| 出力軸的旋轉剛性    | K1   | kgf-m/rad | $1.8 \times 10^{-4}$ |
| 入力軸容許軸向應力   | P4   | kgf       | 750                  |
| 入力軸容許徑向負荷   | P5   | kgf       | 880                  |
| 入力軸容許扭力     | P6   | kgf-m     | 135                  |
| 入力軸的旋轉剛性    | K2   | kgf-m/rad | $1.8 \times 10^{-4}$ |
| 1DWELL的分割精度 | sec. |           | ± 60                 |
| 2DWELL的分割精度 | sec. |           | ± 120                |
| 重覆定位精度      | sec. |           | 60                   |
| 重量          | kg   |           | 87                   |

PU175DS

| 項目          | 符號   | 單位        | 數值                    |
|-------------|------|-----------|-----------------------|
| 出力軸容許軸向負荷   | P1   | kgf       | 920                   |
| 出力軸容許徑向負荷   | P2   | kgf       | 1000                  |
| 出力軸容許力矩     | Ts   | kgf-m     | 參考力矩表                 |
| 出力軸的旋轉剛性    | K1   | kgf-m/rad | $1.68 \times 10^{-4}$ |
| 入力軸容許軸向應力   | P4   | kgf       | 920                   |
| 入力軸容許徑向負荷   | P5   | kgf       | 1000                  |
| 入力軸容許扭力     | P6   | kgf-m     | 185                   |
| 入力軸的旋轉剛性    | K2   | kgf-m/rad | $1.68 \times 10^{-4}$ |
| 1DWELL的分割精度 | sec. |           | ± 60                  |
| 2DWELL的分割精度 | sec. |           | ± 120                 |
| 重覆定位精度      | sec. |           | 60                    |
| 重量          | kg   |           | 127                   |



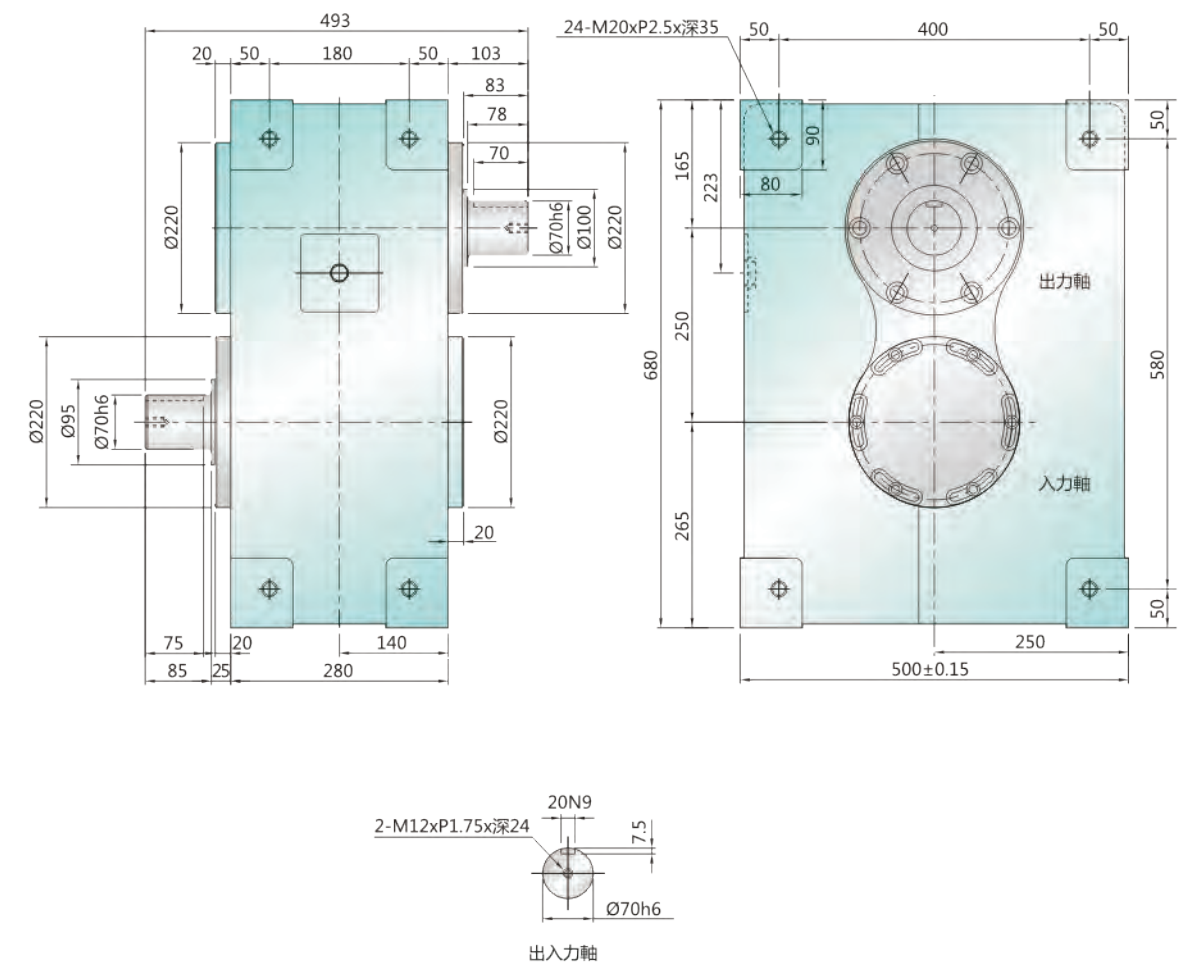
平板共軛凸輪式分割器 PU225DS



| 項目          | 符號 | 單位        | 數值                    |
|-------------|----|-----------|-----------------------|
| 出力軸容許軸向負荷   | P1 | kgf       | 1435                  |
| 出力軸容許徑向負荷   | P2 | kgf       | 1470                  |
| 出力軸容許力矩     | Ts | kgf-m     | 參考力矩表                 |
| 出力軸的旋轉剛性    | K1 | kgf-m/rad | $4.31 \times 10^{-4}$ |
| 入力軸容許軸向應力   | P4 | kgf       | 1435                  |
| 入力軸容許徑向負荷   | P5 | kgf       | 2150                  |
| 入力軸容許扭力     | P6 | kgf-m     | 410                   |
| 入力軸的旋轉剛性    | K2 | kgf-m/rad | $4.31 \times 10^{-4}$ |
| 1DWELL的分割精度 |    | sec.      | ± 60                  |
| 2DWELL的分割精度 |    | sec.      | ± 120                 |
| 重覆定位精度      |    | sec.      | 60                    |
| 重量          |    | kg        | 220                   |

PU225DS

## PU250DS 平板共軛凸輪式分割器



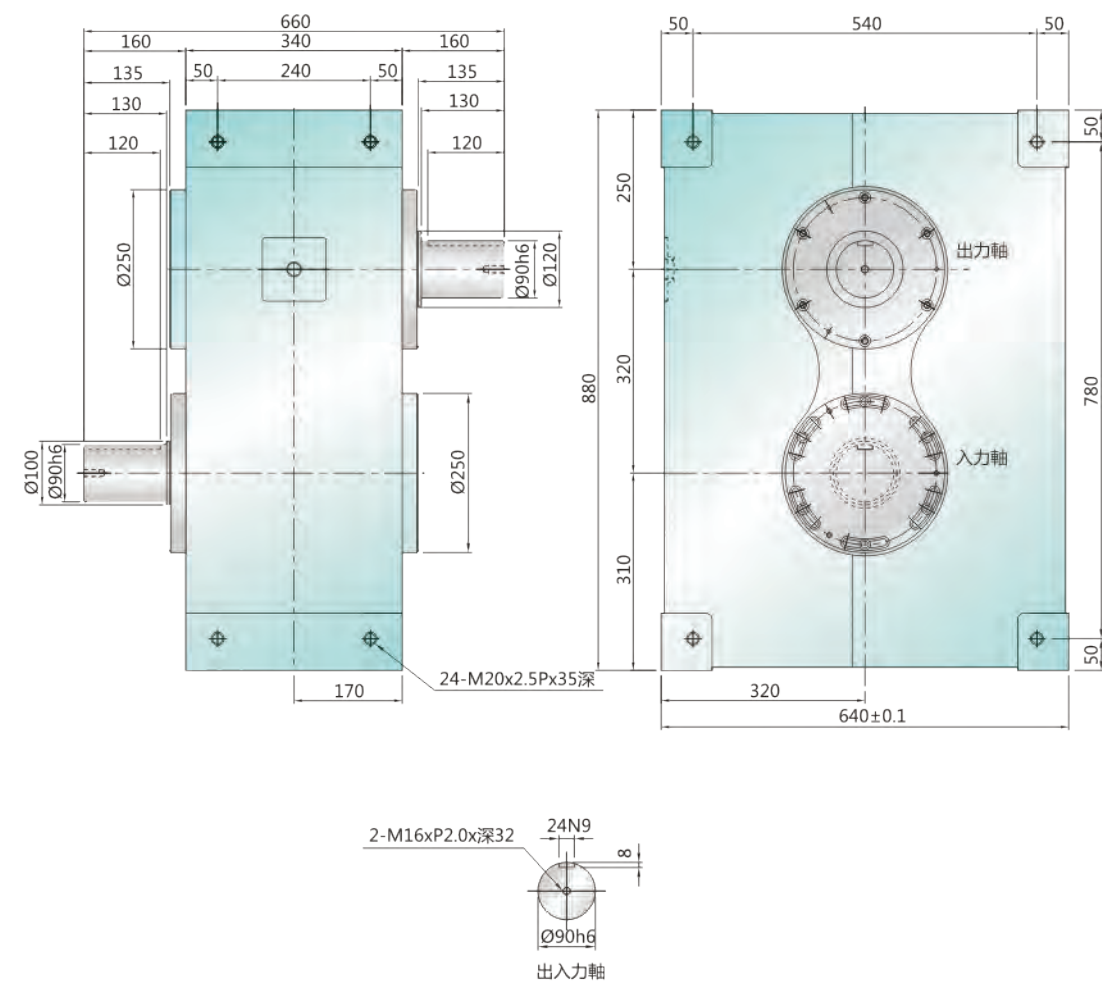
| 項目        | 符號 | 單位        | 數值                 |
|-----------|----|-----------|--------------------|
| 出力軸容許軸向負荷 | P1 | kgf       | 1550               |
| 出力軸容許徑向負荷 | P2 | kgf       | 1560               |
| 出力軸容許力矩   | Ts | kgf-m     | 參考力矩表              |
| 出力軸的旋轉剛性  | K1 | kgf-m/rad | $5.37 \times 10^4$ |
| 入力軸容許軸向應力 | P4 | kgf       | 1550               |
| 入力軸容許徑向負荷 | P5 | kgf       | 2400               |
| 入力軸容許扭力   | P6 | kgf-m     | 500                |
| 入力軸的旋轉剛性  | K2 | kgf-m/rad | $5.37 \times 10^4$ |

PU250DS

|             |      |       |
|-------------|------|-------|
| 1DWELL的分割精度 | sec. | ± 60  |
| 2DWELL的分割精度 | sec. | ± 120 |
| 重复定位精度      | sec. | 60    |
| 重量          | kg   | 388   |



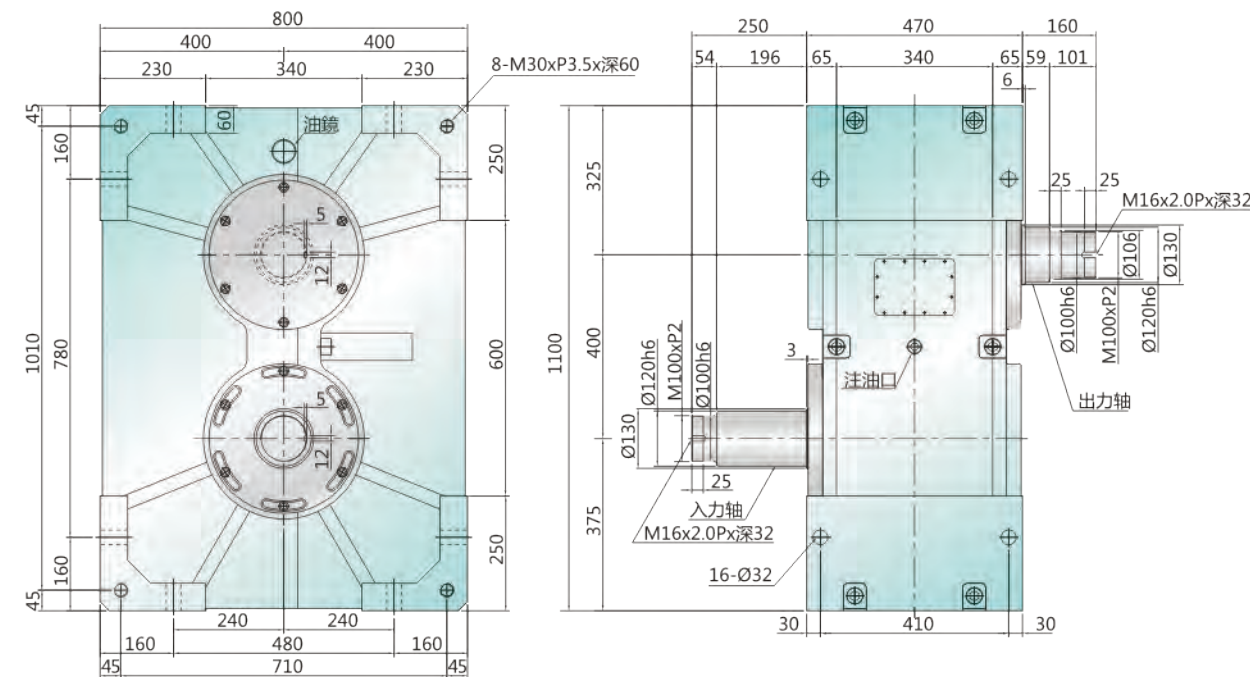
平板共軛凸輪式分割器 PU320DS



PU320DS

| 項目          | 符號 | 單位        | 數值                 |
|-------------|----|-----------|--------------------|
| 出力軸容許軸向負荷   | P1 | kgf       | 1720               |
| 出力軸容許徑向負荷   | P2 | kgf       | 1775               |
| 出力軸容許力矩     | Ts | kgf-m     | 參考力矩表              |
| 出力軸的旋轉剛性    | K1 | kgf-m/rad | $5.82 \times 10^4$ |
| 入力軸容許軸向應力   | P4 | kgf       | 1690               |
| 入力軸容許徑向負荷   | P5 | kgf       | 2670               |
| 入力軸容許扭力     | P6 | kgf-m     | 580                |
| 入力軸的旋轉剛性    | K2 | kgf-m/rad | $5.82 \times 10^4$ |
| 1DWELL的分割精度 |    | sec.      | ± 60               |
| 2DWELL的分割精度 |    | sec.      | ± 120              |
| 重覆定位精度      |    | sec.      | 60                 |
| 重量          |    | kg        | 750                |

PU400DS 平板共軛凸輪式分割器



PU400DS

| 項目          | 符號 | 單位        | 數值                 |
|-------------|----|-----------|--------------------|
| 出力軸容許軸向負荷   | P1 | kgf       | 2968               |
| 出力軸容許徑向負荷   | P2 | kgf       | 3398               |
| 出力軸容許力矩     | Ts | kgf-m     | 參考力矩表              |
| 出力軸的旋轉剛性    | K1 | kgf-m/rad | $6.35 \times 10^4$ |
| 入力軸容許軸向應力   | P4 | kgf       | 2968               |
| 入力軸容許徑向負荷   | P5 | kgf       | 6698               |
| 入力軸容許扭力     | P6 | kgf-m     | 692                |
| 入力軸的旋轉剛性    | K2 | kgf-m/rad | $6.85 \times 10^4$ |
| 1DWELL的分割精度 |    | sec.      | ± 60               |
| 2DWELL的分割精度 |    | sec.      | ± 120              |
| 重覆定位精度      |    | sec.      | 60                 |
| 重量          |    | kg        | 1000               |



DS.DF系列技術支援尋求資料表

(1) 扭矩傳輸能力（索引傳動）的算法

- 在扭矩傳輸能力表中，表示內部慣性負載扭矩Toi，動態額定輸出扭矩Top。
- 在裝配和潤滑等所有正常運行狀態下，以所希望的使用壽命時間12,000小時為大致標準而設計，有時在惡劣條件下或在保養、保全條件下具備的情況下，也會影響到傳輸能力和使用壽命。
- 還有，在選擇機型的時候，如果搞錯了扭矩傳輸能力表的看法，就無法適當的進行選擇，所以請留意以下說明。

選擇數據：

- 分割等份（S）.....1
- 轉位角度（θ）.....270deg
- 凸輪曲線.....MCV50（曲線代碼3）
- 入力軸轉速（N）.....50rpm

| 分割<br>等份<br>S | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲線  | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級 | 動態額定輸出扭矩 (kgf·m) |      |      |      |      | 凸輪軸<br>摩擦扭力<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>(mm) |
|---------------|---------------------|-----------|-------------|----------------------|----------|------------------|------|------|------|------|------------------------------|-------------------------------------------------------|-------------|
|               |                     |           |             |                      |          | 內部慣性負載扭矩 (kgf·m) |      |      |      |      |                              |                                                       |             |
|               |                     |           |             |                      |          | 入力軸轉速 N(rpm)     |      |      |      |      |                              |                                                       |             |
|               |                     |           |             |                      | 50       | 75               | 100  | 150  | 200  | 300  |                              |                                                       |             |
| 1             | 270                 | MCV<br>50 | P050 0127 3 | 3.68                 | 1.35     | 1.20             | 1.10 | 0.97 | 0.89 | 0.79 | 0.13                         | 0.0009                                                | 16          |
|               |                     |           |             |                      | 0.01     | 0.01             | 0.01 | 0.02 | 0.03 | 0.05 |                              |                                                       |             |
|               |                     |           | P060 0127 3 | 5.83                 | 2.61     | 2.43             | 1.96 | 1.57 | 1.50 | 1.32 | 0.19                         | 0.0014                                                | 16          |
|               |                     |           |             |                      | 0.01     | 0.01             | 0.01 | 0.03 | 0.04 | 0.07 |                              |                                                       |             |
|               |                     |           | P065 0127 3 | 7.81                 | 3.13     | 2.77             | 2.54 | 2.25 | 2.06 | 1.83 | 0.26                         | 0.0026                                                | 16          |
|               |                     |           |             |                      | 0.01     | 0.01             | 0.02 | 0.04 | 0.07 | 0.15 |                              |                                                       |             |
|               |                     |           |             |                      | 5.56     | 5.10             | 4.51 | 4.14 | 3.66 |      |                              |                                                       |             |

- 當需要快速啓動或緊急停止的時候  
此時，所產生的啓動停止扭矩Td請選擇比靜態額定輸出扭矩小些。
- 在選擇變速機和電機等時候  
必須求出凸輪軸Tc。在求出Tc時需要凸輪軸摩擦扭矩Tx。
- 其他凸輪曲線的情況  
請與本公司聯繫。
- 機型的選擇  
對比必須扭矩Tt和動態額定輸出扭矩Top，請選擇 Tt < (Top-Toi) 的機型。

扭矩傳輸能力表索引傳動PU型

注意事項：

各種記錄順序按分割等份、驅動角、曲線代碼、機種規格的大小順序。

凸輪曲線.....MS（曲線代碼2）

MCV50（曲線代碼3）

MCV25（曲線代碼5）

| 分割<br>等份<br>S    | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲線  | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級         |        |        |        |       |       | 凸輪軸<br>摩擦拉力<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD<br>(kgf·m <sup>2</sup> ) | 軸承套<br>φ<br>(mm) |
|------------------|---------------------|-----------|-------------|----------------------|------------------|--------|--------|--------|-------|-------|------------------------------|------------------------------------------|------------------|
|                  |                     |           |             |                      | 動態額定輸出扭矩 (kgf·m) |        |        |        |       |       |                              |                                          |                  |
|                  |                     |           |             |                      | 內部慣性負載扭矩 (kgf·m) |        |        |        |       |       |                              |                                          |                  |
| 入力軸轉速 N(rpm)     |                     |           |             |                      |                  |        |        |        |       |       |                              |                                          |                  |
| 5075100150200300 |                     |           |             |                      |                  |        |        |        |       |       |                              |                                          |                  |
| 1                | 270                 | MCV<br>50 | P050 0127 3 | 3.68                 | 1.35             | 1.20   | 1.10   | 0.97   | 0.89  | 0.79  | 0.13                         | 0.0009                                   | 16               |
|                  |                     |           |             |                      | 0.01             | 0.01   | 0.01   | 0.02   | 0.03  | 0.05  |                              |                                          |                  |
|                  |                     |           | P060 0127 3 | 5.83                 | 2.61             | 2.43   | 1.96   | 1.57   | 1.50  | 1.32  | 0.19                         | 0.0014                                   | 16               |
|                  |                     |           |             |                      | 0.01             | 0.01   | 0.01   | 0.03   | 0.04  | 0.07  |                              |                                          |                  |
|                  |                     |           | P065 0127 3 | 7.81                 | 3.13             | 2.77   | 2.54   | 2.25   | 2.06  | 1.83  | 0.26                         | 0.0026                                   | 16               |
|                  |                     |           |             |                      | 0.01             | 0.01   | 0.02   | 0.04   | 0.07  | 0.15  |                              |                                          |                  |
|                  |                     |           | P080 0127 3 | 15.06                | 6.28             | 5.56   | 5.10   | 4.51   | 4.14  | 3.66  | 0.40                         | 0.0062                                   | 22               |
|                  |                     |           |             |                      | 0.01             | 0.03   | 0.04   | 0.09   | 0.16  | 0.35  |                              |                                          |                  |
|                  |                     |           | P100 0127 3 | 25.90                | 10.58            | 9.37   | 8.59   | 7.61   | 6.98  | 6.18  | 0.60                         | 0.018                                    | 26               |
|                  |                     |           |             |                      | 0.03             | 0.07   | 0.12   | 0.26   | 0.46  | 1.03  |                              |                                          |                  |
|                  |                     |           | P125 0127 3 | 38.94                | 17.79            | 15.75  | 14.45  | 12.79  | 11.74 | 10.39 | 0.83                         | 0.057                                    | 35               |
|                  |                     |           |             |                      | 0.10             | 0.21   | 0.37   | 0.82   | 1.45  | 3.26  |                              |                                          |                  |
|                  | 300                 | MS        | P150 0127 3 | 58.35                | 26.24            | 23.24  | 21.32  | 18.87  | 17.31 | 15.33 | 1.22                         | 0.126                                    | 40               |
|                  |                     |           |             |                      | 0.20             | 0.45   | 0.80   | 1.80   | 3.20  | 7.19  |                              |                                          |                  |
|                  |                     |           | P175 0127 3 | 91.50                | 41.38            | 36.64  | 33.61  | 29.76  | 27.30 |       | 1.69                         | 0.259                                    | 47               |
|                  |                     |           |             |                      | 0.42             | 0.93   | 1.65   | 3.70   | 6.57  |       |                              |                                          |                  |
|                  |                     |           | P225 0127 3 | 256.91               | 125.61           | 101.34 | 95.60  | 87.52  | 81.25 |       | 3.60                         | 0.872                                    | 60               |
|                  |                     |           |             |                      | 1.25             | 2.74   | 4.83   | 8.67   | 17.52 |       |                              |                                          |                  |
|                  |                     |           | P250 0127 3 | 339.24               | 140.93           | 124.79 | 114.47 | 101.36 | 92.98 |       | 4.45                         | 1.225                                    | 80               |
|                  |                     |           |             |                      | 1.95             | 4.37   | 7.77   | 17.4   | 31.07 |       |                              |                                          |                  |
|                  |                     |           | P320 0127 3 | 611.11               | 253.88           | 224.81 | 206.22 | 182.60 |       |       | 8.80                         | 3.814                                    | 100              |
|                  |                     |           |             |                      | 6.05             | 13.61  | 24.19  | 54.41  |       |       |                              |                                          |                  |
|                  | 300                 | MS        | P050 0130 2 | 3.26                 | 1.16             | 1.03   | 0.94   | 0.83   | 0.76  | 0.68  | 0.15                         | 0.0009                                   | 16               |
|                  |                     |           |             |                      | 0.01             | 0.01   | 0.01   | 0.01   | 0.02  | 0.03  |                              |                                          |                  |
|                  |                     |           | P060 0130 2 | 5.61                 | 2.32             | 2.15   | 1.87   | 1.41   | 1.28  | 1.12  | 0.21                         | 0.0014                                   | 16               |
|                  |                     |           |             |                      | 0.01             | 0.01   | 0.01   | 0.02   | 0.03  | 0.05  |                              |                                          |                  |
|                  |                     |           | P065 0130 2 | 7.04                 | 2.73             | 2.42   | 2.22   | 1.96   | 1.80  | 1.59  | 0.30                         | 0.0026                                   | 16               |
|                  |                     |           |             |                      | 0.01             | 0.01   | 0.01   | 0.03   | 0.04  | 0.09  |                              |                                          |                  |
|                  |                     | MCV<br>50 | P080 0130 2 | 13.56                | 5.47             | 4.84   | 4.44   | 3.93   | 3.61  | 3.19  | 0.46                         | 0.0060                                   | 22               |
|                  |                     |           |             |                      | 0.01             | 0.02   | 0.03   | 0.05   | 0.09  | 0.19  |                              |                                          |                  |
|                  |                     |           | P100 0130 2 | 23.31                | 9.23             | 8.17   | 7.49   | 6.63   | 6.08  | 5.39  | 0.68                         | 0.0175                                   | 26               |
|                  |                     |           |             |                      | 0.02             | 0.04   | 0.07   | 0.14   | 0.25  | 0.56  |                              |                                          |                  |
|                  |                     |           | P050 0130 3 | 3.89                 | 1.38             | 1.23   | 1.12   | 0.99   | 0.91  | 0.81  | 0.12                         | 0.0009                                   | 16               |
|                  |                     |           |             |                      | 0.01             | 0.01   | 0.01   | 0.01   | 0.02  | 0.04  |                              |                                          |                  |



| 分割<br>等份<br>S | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲綫    | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級動態額定輸出扭矩 (kgf·m) |        |        |       |       |        | 凸輪軸<br>摩擦阻力<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------------|-------------|-------------|----------------------|--------------------------|--------|--------|-------|-------|--------|------------------------------|-------------------------------------------------------|------------------|
|               |                     |             |             |                      | 內部慣性負載扭矩 (kgf·m)         |        |        |       |       |        |                              |                                                       |                  |
|               |                     |             |             |                      | 入力軸轉速 N(rpm)             |        |        |       |       |        |                              |                                                       |                  |
| 50            | 75                  | 100         | 150         | 200                  | 300                      |        |        |       |       |        |                              |                                                       |                  |
| 1             | 300                 | MCV<br>50   | P060 0130 3 | 5.24                 | 2.82                     | 2.64   | 2.47   | 2.13  | 1.96  | 1.62   | 0.17                         | 0.0014                                                | 16               |
|               |                     |             |             |                      | 0.01                     | 0.01   | 0.02   | 0.03  | 0.04  | 0.08   |                              |                                                       |                  |
|               |                     |             | P065 0130 3 | 8.24                 | 3.20                     | 2.83   | 2.60   | 2.30  | 2.11  | 1.87   | 0.24                         | 0.0026                                                | 16               |
|               |                     |             |             |                      | 0.01                     | 0.01   | 0.02   | 0.04  | 0.06  | 0.13   |                              |                                                       |                  |
|               |                     |             | P080 0130 3 | 16.14                | 6.52                     | 5.77   | 5.29   | 4.68  | 4.30  | 3.80   | 0.38                         | 0.0063                                                | 22               |
|               |                     |             |             |                      | 0.01                     | 0.02   | 0.04   | 0.08  | 0.13  | 0.30   |                              |                                                       |                  |
|               |                     |             | P100 0130 3 | 25.90                | 10.25                    | 9.08   | 8.33   | 7.37  | 6.76  | 5.99   | 0.57                         | 0.018                                                 | 26               |
|               |                     |             |             |                      | 0.03                     | 0.06   | 0.10   | 0.21  | 0.37  | 0.84   |                              |                                                       |                  |
|               |                     |             | P125 0130 3 | 40.71                | 18.02                    | 15.96  | 14.64  | 12.96 | 11.89 | 10.53  | 0.78                         | 0.058                                                 | 35               |
|               |                     |             |             |                      | 0.08                     | 0.17   | 0.30   | 0.68  | 1.20  | 2.69   |                              |                                                       |                  |
|               |                     |             | P150 0130 3 | 61.66                | 26.87                    | 23.79  | 21.82  | 19.32 | 17.72 | 15.69  | 1.15                         | 0.129                                                 | 40               |
|               |                     |             |             |                      | 0.17                     | 0.38   | 0.68   | 1.50  | 2.65  | 5.97   |                              |                                                       |                  |
|               | P175 0130 3         | 97.50       | 42.73       | 37.83                | 34.70                    | 30.73  | 28.19  | 24.96 | 1.60  | 0.265  | 47                           |                                                       |                  |
|               |                     |             | 0.35        | 0.77                 | 1.37                     | 3.07   | 5.45   | 12.25 |       |        |                              |                                                       |                  |
|               | P225 0130 3         | 278.41      | 128.56      | 104.41               | 97.25                    | 90.20  | 83.51  |       | 3.71  | 0.872  | 60                           |                                                       |                  |
|               |                     |             | 1.02        | 2.63                 | 4.79                     | 11.33  | 20.12  |       |       |        |                              |                                                       |                  |
|               | P250 0130 3         | 356.68      | 143.57      | 127.13               | 116.61                   | 103.26 | 94.72  |       | 4.23  | 1.260  | 80                           |                                                       |                  |
|               |                     |             | 1.62        | 3.64                 | 6.48                     | 14.56  | 25.89  |       |       |        |                              |                                                       |                  |
|               | P320 0130 3         | 637.68      | 256.68      | 227.28               | 208.49                   | 184.61 | 169.34 |       | 8.40  | 3.904  | 100                          |                                                       |                  |
|               |                     |             | 5.02        | 11.28                | 20.05                    | 45.11  | 80.20  |       |       |        |                              |                                                       |                  |
|               | 330                 | MS          | P050 0133 2 | 3.26                 | 1.13                     | 1.00   | 0.91   | 0.81  | 0.74  | 0.66   | 0.14                         | 0.0009                                                | 16               |
|               |                     |             |             |                      | 0.01                     | 0.01   | 0.01   | 0.01  | 0.01  | 0.03   |                              |                                                       |                  |
|               |                     |             | P060 0133 2 | 5.61                 | 2.26                     | 2.07   | 1.81   | 1.37  | 1.21  | 1.08   | 0.21                         | 0.0014                                                | 16               |
|               |                     |             |             |                      | 0.01                     | 0.01   | 0.01   | 0.02  | 0.02  | 0.04   |                              |                                                       |                  |
|               |                     |             | P065 0133 2 | 7.04                 | 2.65                     | 2.35   | 2.15   | 1.91  | 1.75  | 1.55   | 0.28                         | 0.0026                                                | 16               |
|               |                     |             |             |                      | 0.01                     | 0.01   | 0.01   | 0.02  | 0.03  | 0.07   |                              |                                                       |                  |
|               |                     | P080 0133 2 | 13.56       | 5.32                 | 4.71                     | 4.32   | 3.82   | 3.51  | 3.10  | 0.43   | 0.0060                       | 22                                                    |                  |
|               |                     |             |             | 0.01                 | 0.01                     | 0.02   | 0.04   | 0.07  | 0.16  |        |                              |                                                       |                  |
|               |                     | P100 0133 2 | 23.31       | 8.97                 | 7.94                     | 7.28   | 6.45   | 5.91  | 5.24  | 0.65   | 0.0175                       | 26                                                    |                  |
|               |                     |             |             | 0.02                 | 0.03                     | 0.06   | 0.12   | 0.21  | 0.47  |        |                              |                                                       |                  |
|               |                     | MCV<br>50   | P050 0133 3 | 3.89                 | 1.35                     | 1.19   | 1.09   | 0.97  | 0.89  | 0.78   | 0.12                         | 0.0009                                                | 16               |
|               |                     |             |             |                      | 0.01                     | 0.01   | 0.01   | 0.01  | 0.02  | 0.04   |                              |                                                       |                  |
| P050 0133 3   |                     |             | 6.02        | 2.32                 | 2.15                     | 1.93   | 1.42   | 1.37  | 1.20  | 0.19   | 0.0014                       | 16                                                    |                  |
|               |                     |             |             | 0.01                 | 0.01                     | 0.01   | 0.02   | 0.03  | 0.06  |        |                              |                                                       |                  |
| P065 0133 3   |                     |             | 8.24        | 3.11                 | 2.75                     | 2.52   | 2.23   | 2.05  | 1.81  | 0.23   | 0.0026                       | 16                                                    |                  |
|               |                     |             |             | 0.01                 | 0.01                     | 0.02   | 0.03   | 0.05  | 0.10  |        |                              |                                                       |                  |
| P080 0133 3   |                     | 16.14       | 6.33        | 5.61                 | 5.14                     | 4.55   | 4.18   | 3.70  | 0.36  | 0.0063 | 22                           |                                                       |                  |
|               |                     |             | 0.01        | 0.02                 | 0.03                     | 0.06   | 0.11   | 0.24  |       |        |                              |                                                       |                  |
| P100 0133 3   |                     | 29.60       | 11.39       | 10.08                | 9.25                     | 8.19   | 7.51   | 6.65  | 0.53  | 0.0188 | 26                           |                                                       |                  |
|               |                     |             | 0.02        | 0.05                 | 0.08                     | 0.18   | 0.32   | 0.72  |       |        |                              |                                                       |                  |
| MCV<br>25     |                     | P125 0133 5 | 40.71       | 17.51                | 15.51                    | 14.22  | 12.59  | 11.55 | 10.23 | 0.80   | 0.058                        | 35                                                    |                  |
|               |                     |             |             | 0.05                 | 0.11                     | 0.20   | 0.43   | 0.77  | 1.72  |        |                              |                                                       |                  |
|               |                     | P150 0133 5 | 60.56       | 25.64                | 22.71                    | 20.83  | 18.44  | 16.92 | 14.98 | 1.18   | 0.128                        | 40                                                    |                  |
|               |                     |             |             | 0.11                 | 0.24                     | 0.42   | 0.95   | 1.68  | 3.78  |        |                              |                                                       |                  |
|               | P175 0133 5         | 93.75       | 39.92       | 35.35                | 32.43                    | 28.71  | 26.34  | 23.32 | 1.64  | 0.261  | 47                           |                                                       |                  |
|               |                     |             | 0.22        | 0.49                 | 0.86                     | 1.93   | 3.43   | 7.71  |       |        |                              |                                                       |                  |
|               | P225 0133 5         | 278.41      | 126.71      | 101.69               | 94.50                    | 86.73  | 81.20  | 76.51 | 3.70  | 0.872  | 60                           |                                                       |                  |
|               |                     |             | 0.94        | 1.73                 | 2.56                     | 5.89   | 10.95  | 27.31 |       |        |                              |                                                       |                  |
| P250 0133 5   | 356.68              | 139.52      | 123.54      | 113.33               | 100.35                   | 92.05  | 81.51  | 4.32  | 1.260 | 80     |                              |                                                       |                  |
|               |                     | 1.04        | 2.33        | 4.14                 | 9.30                     | 16.53  | 37.20  |       |       |        |                              |                                                       |                  |
| P320 0133 5   | 627.05              | 245.29      | 217.19      | 199.23               | 176.41                   | 161.83 |        | 8.58  | 3.868 | 100    |                              |                                                       |                  |
|               |                     | 3.18        | 7.14        | 12.69                | 28.55                    | 50.75  |        |       |       |        |                              |                                                       |                  |
| 2             | 150                 | MCV<br>50   | P050 0215 3 | 3.68                 | 1.37                     | 1.22   | 1.12   | 0.99  | 0.90  | 0.80   | 0.12                         | 0.0009                                                | 14               |
|               |                     |             |             |                      | 0.01                     | 0.01   | 0.01   | 0.02  | 0.04  | 0.08   |                              |                                                       |                  |
|               |                     |             | P060 0215 3 | 5.97                 | 2.86                     | 2.45   | 2.07   | 1.83  | 1.59  | 1.29   | 0.18                         | 0.0014                                                | 16               |
|               |                     |             |             |                      | 0.01                     | 0.01   | 0.01   | 0.04  | 0.07  | 0.12   |                              |                                                       |                  |
|               |                     |             | P065 0215 3 | 8.24                 | 3.40                     | 3.01   | 2.76   | 2.45  | 2.24  | 1.99   | 0.24                         | 0.0026                                                | 16               |
|               |                     |             |             |                      | 0.01                     | 0.02   | 0.03   | 0.07  | 0.11  | 0.25   |                              |                                                       |                  |

| 分割<br>等份<br>S | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲綫    | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級 |        | 動態額定輸出扭矩 (kgf·m)<br>內部慣性負載扭矩 (kgf·m)<br>入力軸轉速 N(rpm) |       |       |        | 凸輪軸<br>摩擦扭力<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>ø<br>(mm) |
|---------------|---------------------|-------------|-------------|----------------------|----------|--------|------------------------------------------------------|-------|-------|--------|------------------------------|-------------------------------------------------------|------------------|
|               |                     |             |             |                      | 50       | 75     | 100                                                  | 150   | 200   | 300    |                              |                                                       |                  |
|               |                     |             |             |                      |          |        |                                                      |       |       |        |                              |                                                       |                  |
| 2             | 150                 | MCV<br>50   | P080 0215 3 | 15.06                | 6.08     | 5.38   | 4.94                                                 | 4.37  | 4.01  | 3.55   | 0.38                         | 0.0062                                                | 19               |
|               |                     |             |             |                      | 0.02     | 0.04   | 0.07                                                 | 0.15  | 0.26  | 0.57   |                              |                                                       |                  |
|               |                     |             | P100 0215 3 | 25.90                | 10.45    | 9.25   | 8.49                                                 | 7.52  | 6.89  | 3.10   | 0.57                         | 0.018                                                 | 26               |
|               |                     |             |             |                      | 0.05     | 0.11   | 0.19                                                 | 0.42  | 0.74  | 1.67   |                              |                                                       |                  |
|               |                     |             | P125 0215 3 | 38.94                | 15.96    | 14.13  | 12.96                                                | 11.48 | 10.53 |        | 0.78                         | 0.057                                                 | 35               |
|               |                     |             |             |                      | 0.15     | 0.33   | 0.59                                                 | 1.32  | 2.35  |        |                              |                                                       |                  |
|               |                     |             | P150 0215 3 | 58.35                | 23.50    | 20.81  | 19.09                                                | 16.90 | 15.50 |        | 1.16                         | 0.126                                                 | 40               |
|               |                     |             |             |                      | 0.33     | 0.73   | 1.30                                                 | 2.92  | 5.18  |        |                              |                                                       |                  |
|               |                     |             | P175 0215 3 | 91.50                | 37.85    | 33.52  | 30.74                                                | 27.22 | 24.97 |        | 1.61                         | 0.259                                                 | 47               |
|               |                     |             |             |                      | 0.67     | 1.50   | 2.67                                                 | 5.99  | 10.65 |        |                              |                                                       |                  |
|               |                     |             | P225 0215 3 | 202.31               | 95.61    | 90.28  | 82.43                                                | 72.70 |       |        | 3.61                         | 0.723                                                 | 60               |
|               |                     |             |             |                      | 2.38     | 4.75   | 9.87                                                 | 23.50 |       |        |                              |                                                       |                  |
|               | P250 0215 3         | 261.14      | 108.23      | 95.83                | 87.91    | 77.84  |                                                      |       | 4.08  | 1.160  | 70                           |                                                       |                  |
|               |                     |             | 2.98        | 6.71                 | 11.92    | 26.81  |                                                      |       |       |        |                              |                                                       |                  |
|               | P320 0215 3         | 555.74      | 228.79      | 202.59               | 185.84   |        |                                                      |       | 8.42  | 3.827  | 80                           |                                                       |                  |
|               |                     |             | 9.83        | 22.11                | 39.31    |        |                                                      |       |       |        |                              |                                                       |                  |
|               | 180                 | MS          | P050 0218 2 | 3.68                 | 1.30     | 1.15   | 1.06                                                 | 0.93  | 0.86  | 0.76   | 0.13                         | 0.0009                                                | 14               |
|               |                     |             |             |                      | 0.01     | 0.01   | 0.01                                                 | 0.01  | 0.02  | 0.04   |                              |                                                       |                  |
|               |                     |             | P060 0218 2 | 6.94                 | 2.63     | 2.30   | 2.01                                                 | 1.74  | 1.48  | 1.21   | 0.19                         | 0.0014                                                | 16               |
|               |                     |             |             |                      | 0.01     | 0.01   | 0.02                                                 | 0.02  | 0.04  | 0.08   |                              |                                                       |                  |
|               |                     |             | P065 0218 2 | 7.81                 | 2.98     | 2.64   | 2.42                                                 | 2.14  | 1.97  | 1.74   | 0.26                         | 0.0026                                                | 16               |
|               |                     |             |             |                      | 0.01     | 0.01   | 0.02                                                 | 0.03  | 0.06  | 0.12   |                              |                                                       |                  |
|               |                     |             | P080 0218 2 | 15.06                | 5.75     | 5.09   | 4.67                                                 | 4.14  | 3.79  | 3.36   | 0.41                         | 0.0062                                                | 19               |
|               |                     |             |             |                      | 0.01     | 0.02   | 0.04                                                 | 0.07  | 0.13  | 0.28   |                              |                                                       |                  |
|               |                     |             | P100 0218 2 | 25.90                | 9.78     | 8.66   | 7.94                                                 | 7.03  | 6.45  | 5.71   | 0.61                         | 0.018                                                 | 26               |
|               |                     |             |             |                      | 0.03     | 0.05   | 0.09                                                 | 0.20  | 0.36  | 0.80   |                              |                                                       |                  |
|               |                     |             | P125 0218 2 | 38.94                | 15.11    | 13.38  | 12.27                                                | 10.87 | 9.97  | 8.83   | 0.84                         | 0.057                                                 | 35               |
|               |                     |             |             |                      | 0.08     | 0.16   | 0.29                                                 | 0.64  | 1.13  | 2.53   |                              |                                                       |                  |
|               |                     | P150 0218 2 | 58.35       | 22.25                | 19.70    | 18.07  | 16.00                                                | 14.68 | 13.00 | 1.24   | 0.126                        | 40                                                    |                  |
|               |                     |             |             | 0.16                 | 0.35     | 0.63   | 1.40                                                 | 2.49  | 5.59  |        |                              |                                                       |                  |
|               |                     | P175 0218 2 | 91.50       | 35.84                | 31.73    | 29.11  | 25.77                                                | 23.64 |       | 1.72   | 0.259                        | 47                                                    |                  |
|               |                     |             |             | 0.32                 | 0.72     | 1.28   | 2.87                                                 | 5.11  |       |        |                              |                                                       |                  |
|               |                     | P225 0218 2 | 202.31      | 90.21                | 85.14    | 79.35  | 67.93                                                | 60.25 |       | 3.74   | 0.723                        | 60                                                    |                  |
|               |                     |             |             | 1.02                 | 2.31     | 4.69   | 10.13                                                | 19.62 |       |        |                              |                                                       |                  |
|               |                     | P250 0218 2 | 261.14      | 102.47               | 90.73    | 83.23  | 73.69                                                | 67.60 |       | 4.32   | 1.160                        | 70                                                    |                  |
|               |                     |             |             | 1.43                 | 3.22     | 5.72   | 12.86                                                | 22.85 |       |        |                              |                                                       |                  |
|               |                     | P320 0218 2 | 555.74      | 216.61               | 191.80   | 175.94 | 155.79                                               |       |       | 8.88   | 3.827                        | 80                                                    |                  |
|               |                     |             |             | 4.72                 | 10.61    | 18.85  | 42.41                                                |       |       |        |                              |                                                       |                  |
|               |                     | MCV<br>50   | P050 0218 3 | 4.20                 | 1.58     | 1.40   | 1.28                                                 | 1.14  | 1.04  | 0.92   | 0.11                         | 0.0009                                                | 14               |
|               |                     |             |             |                      | 0.01     | 0.01   | 0.01                                                 | 0.02  | 0.03  | 0.06   |                              |                                                       |                  |
|               | P060 0218 3         |             | 9.62        | 3.52                 | 3.14     | 2.96   | 2.75                                                 | 2.43  | 2.12  | 0.17   | 0.0014                       | 16                                                    |                  |
|               |                     |             |             | 0.01                 | 0.02     | 0.02   | 0.03                                                 | 0.06  | 0.14  |        |                              |                                                       |                  |
|               | P065 0218 3         |             | 11.00       | 4.59                 | 4.06     | 3.73   | 3.30                                                 | 3.03  | 2.68  | 0.22   | 0.0029                       | 16                                                    |                  |
|               |                     |             |             | 0.01                 | 0.02     | 0.03   | 0.05                                                 | 0.09  | 0.19  |        |                              |                                                       |                  |
|               | P080 0218 3         |             | 17.22       | 6.99                 | 6.19     | 5.68   | 5.03                                                 | 4.61  | 4.08  | 0.34   | 0.0065                       | 19                                                    |                  |
|               |                     |             |             | 0.02                 | 0.03     | 0.05   | 0.11                                                 | 0.19  | 0.42  |        |                              |                                                       |                  |
| P100 0218 3   | 34.14               |             | 15.00       | 13.28                | 12.18    | 10.79  | 9.89                                                 | 8.76  | 0.52  | 0.0208 | 26                           |                                                       |                  |
|               |                     |             | 0.04        | 0.09                 | 0.15     | 0.34   | 0.60                                                 | 1.34  |       |        |                              |                                                       |                  |
| P125 0218 3   | 55.05               |             | 24.39       | 21.59                | 19.81    | 17.54  | 16.09                                                | 14.24 | 0.73  | 0.0648 | 35                           |                                                       |                  |
|               |                     |             | 0.12        | 0.26                 | 0.47     | 1.04   | 1.85                                                 | 4.16  |       |        |                              |                                                       |                  |
| P150 0218 3   | 90.00               | 39.87       | 35.30       | 32.39                | 28.68    | 26.30  | 23.29                                                | 1.09  | 0.151 | 40     |                              |                                                       |                  |
|               |                     | 0.27        | 0.61        | 1.08                 | 2.43     | 4.31   | 9.70                                                 |       |       |        |                              |                                                       |                  |
| P175 0218 3   | 123.27              | 53.32       | 47.22       | 43.31                | 38.35    | 35.18  |                                                      | 1.50  | 0.293 | 47     |                              |                                                       |                  |
|               |                     | 0.53        | 1.18        | 2.09                 | 4.71     | 8.36   |                                                      |       |       |        |                              |                                                       |                  |



| 分割<br>等份<br>S | 轉位<br>角度<br>θ(deg) | 凸輪<br>曲綫    | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級 |        | 動態額定輸出扭矩 (kgf·m)<br>內部慣性負載扭矩 (kgf·m)<br>入力軸轉速 N(rpm) |        |        |       |        | 凸輪軸<br>摩擦扭力<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>ø<br>(mm) |
|---------------|--------------------|-------------|-------------|----------------------|----------|--------|------------------------------------------------------|--------|--------|-------|--------|------------------------------|-------------------------------------------------------|------------------|
|               |                    |             |             |                      | 50       | 75     | 100                                                  | 150    | 200    | 300   |        |                              |                                                       |                  |
|               |                    |             |             |                      |          |        |                                                      |        |        |       |        |                              |                                                       |                  |
| 2             | 180                | MCV<br>50   | P225 0218 3 | 325.69               | 154.21   | 140.93 | 132.01                                               | 112.45 | 103.21 |       | 3.51   | 0.723                        | 60                                                    |                  |
|               |                    |             |             |                      | 2.12     | 4.35   | 8.93                                                 | 21.56  | 37.91  |       |        |                              |                                                       |                  |
|               |                    |             | P250 0218 3 | 387.70               | 166.44   | 147.37 | 135.19                                               | 119.70 | 109.81 |       | 3.89   | 1.484                        | 70                                                    |                  |
|               |                    |             |             | 2.65                 | 5.96     | 10.59  | 23.82                                                | 42.34  |        |       |        |                              |                                                       |                  |
|               |                    | P320 0218 3 | 680.19      | 292.01               | 258.56   | 237.18 | 210.02                                               |        |        | 7.79  | 5.178  | 80                           |                                                       |                  |
|               |                    |             |             | 9.24                 | 20.78    | 36.94  | 83.10                                                |        |        |       |        |                              |                                                       |                  |
|               |                    | MS          | P050 0221 2 | 3.89                 | 1.35     | 1.19   | 1.09                                                 | 0.97   | 0.89   | 0.78  | 0.12   | 0.0009                       | 14                                                    |                  |
|               |                    |             |             |                      | 0.01     | 0.01   | 0.01                                                 | 0.01   | 0.02   | 0.03  |        |                              |                                                       |                  |
|               |                    |             | P060 0221 2 | 7.43                 | 2.75     | 2.31   | 2.14                                                 | 1.93   | 1.72   | 1.56  | 0.18   | 0.0014                       | 16                                                    |                  |
|               |                    |             |             | 0.01                 | 0.01     | 0.01   | 0.02                                                 | 0.03   | 0.06   |       |        |                              |                                                       |                  |
|               | P065 0221 2        |             | 8.24        | 3.07                 | 2.72     | 2.50   | 2.21                                                 | 2.03   | 1.79   | 0.24  | 0.0026 | 16                           |                                                       |                  |
|               |                    |             |             | 0.01                 | 0.01     | 0.01   | 0.03                                                 | 0.04   | 0.09   |       |        |                              |                                                       |                  |
|               | P080 0221 2        |             | 16.14       | 6.07                 | 5.37     | 4.93   | 4.36                                                 | 4.00   | 3.54   | 0.38  | 0.0063 | 19                           |                                                       |                  |
|               |                    |             |             | 0.01                 | 0.02     | 0.03   | 0.06                                                 | 0.10   | 0.21   |       |        |                              |                                                       |                  |
|               | P100 0221 2        |             | 25.90       | 9.33                 | 8.26     | 7.58   | 6.71                                                 | 6.16   | 5.45   | 0.56  | 0.018  | 26                           |                                                       |                  |
|               |                    |             |             | 0.02                 | 0.04     | 0.07   | 0.15                                                 | 0.27   | 0.59   |       |        |                              |                                                       |                  |
|               | P125 0221 2        |             | 40.71       | 15.38                | 13.62    | 12.49  | 11.06                                                | 10.15  | 8.98   | 0.77  | 0.058  | 35                           |                                                       |                  |
|               |                    |             |             | 0.06                 | 0.12     | 0.21   | 0.48                                                 | 0.84   | 1.89   |       |        |                              |                                                       |                  |
|               | P150 0221 2        |             | 58.35       | 21.25                | 18.81    | 17.26  | 15.28                                                | 14.02  | 12.41  | 1.15  | 0.126  | 40                           |                                                       |                  |
|               |                    |             |             | 0.12                 | 0.26     | 0.46   | 1.03                                                 | 1.83   | 4.11   |       |        |                              |                                                       |                  |
|               | P175 0221 2        |             | 91.50       | 34.22                | 30.30    | 27.79  | 24.61                                                | 22.57  | 19.99  | 1.60  | 0.259  | 47                           |                                                       |                  |
|               |                    |             |             | 0.24                 | 0.53     | 0.94   | 2.11                                                 | 3.75   | 8.44   |       |        |                              |                                                       |                  |
|               | P225 0221 2        |             | 202.31      | 85.62                | 81.43    | 72.58  | 64.32                                                | 59.91  |        | 3.85  | 0.723  | 60                           |                                                       |                  |
|               |                    |             |             | 0.89                 | 2.01     | 3.74   | 8.01                                                 | 14.76  |        |       |        |                              |                                                       |                  |
|               | P250 0221 2        |             | 261.14      | 97.83                | 86.63    | 79.47  | 70.36                                                | 64.54  |        | 4.05  | 1.160  | 70                           |                                                       |                  |
|               |                    |             |             | 1.05                 | 2.37     | 4.20   | 9.45                                                 | 16.79  |        |       |        |                              |                                                       |                  |
|               | P320 0221 2        |             | 555.74      | 206.82               | 183.14   | 167.99 | 148.75                                               | 136.45 |        | 8.37  | 3.827  | 80                           |                                                       |                  |
|               |                    |             |             | 3.47                 | 7.79     | 13.85  | 31.16                                                | 55.38  |        |       |        |                              |                                                       |                  |
|               | 210                |             | MCV<br>50   | P050 0221 3          | 4.73     | 1.81   | 1.60                                                 | 1.47   | 1.30   | 1.19  | 1.06   | 0.10                         | 0.0012                                                | 14               |
|               |                    |             |             |                      |          | 0.01   | 0.01                                                 | 0.01   | 0.02   | 0.03  | 0.06   |                              |                                                       |                  |
|               |                    |             |             | P060 0221 3          | 10.25    | 4.89   | 4.02                                                 | 3.94   | 3.63   | 3.23  | 2.91   | 0.18                         | 0.0018                                                | 16               |
|               |                    |             |             |                      |          | 0.01   | 0.01                                                 | 0.02   | 0.03   | 0.06  | 1.25   |                              |                                                       |                  |
|               |                    |             |             | P065 0221 3          | 12.80    | 5.47   | 4.84                                                 | 4.44   | 3.93   | 3.61  | 3.19   | 0.20                         | 0.0042                                                | 16               |
|               |                    |             |             |                      | 0.01     | 0.02   | 0.03                                                 | 0.05   | 0.09   | 0.20  |        |                              |                                                       |                  |
|               |                    | P080 0221 3 |             | 18.83                | 7.65     | 6.78   | 6.22                                                 | 5.50   | 5.05   | 4.47  | 0.32   | 0.0106                       | 19                                                    |                  |
|               |                    |             |             |                      | 0.02     | 0.04   | 0.06                                                 | 0.13   | 0.23   | 0.50  |        |                              |                                                       |                  |
|               |                    | P100 0221 3 |             | 34.14                | 14.32    | 12.68  | 11.63                                                | 10.30  | 9.45   | 8.36  | 0.48   | 0.0208                       | 26                                                    |                  |
|               |                    |             |             |                      | 0.03     | 0.07   | 0.11                                                 | 0.25   | 0.44   | 0.99  |        |                              |                                                       |                  |
|               |                    | P125 0221 3 |             | 55.05                | 23.28    | 20.62  | 18.91                                                | 16.75  | 15.36  | 13.60 | 0.68   | 0.0648                       | 35                                                    |                  |
|               |                    |             |             |                      | 0.09     | 0.20   | 0.34                                                 | 0.77   | 1.36   | 3.06  |        |                              |                                                       |                  |
|               |                    | P150 0221 3 |             | 90.00                | 38.07    | 33.71  | 30.92                                                | 27.38  | 25.12  | 22.24 | 1.03   | 0.151                        | 40                                                    |                  |
|               |                    |             |             |                      | 0.20     | 0.45   | 0.80                                                 | 1.79   | 3.17   | 7.13  |        |                              |                                                       |                  |
|               |                    | P175 0221 3 |             | 123.27               | 50.91    | 45.08  | 41.35                                                | 36.62  | 33.59  | 29.74 | 1.41   | 0.293                        | 47                                                    |                  |
|               |                    |             |             | 0.39                 | 0.87     | 1.54   | 3.46                                                 | 6.15   | 13.82  |       |        |                              |                                                       |                  |
|               |                    | P225 0221 3 | 345.81      | 143.60               | 126.51   | 117.84 | 109.61                                               | 98.69  |        | 3.01  | 0.973  | 60                           |                                                       |                  |
|               |                    |             |             | 1.51                 | 3.92     | 7.31   | 14.20                                                | 27.51  |        |       |        |                              |                                                       |                  |
|               |                    | P250 0221 3 | 387.70      | 158.92               | 140.71   | 129.08 | 114.29                                               | 104.84 |        | 3.70  | 1.484  | 70                           |                                                       |                  |
|               |                    |             | 1.95        | 4.38                 | 7.78     | 17.50  | 31.11                                                |        |        |       |        |                              |                                                       |                  |
| P320 0221 3   |                    | 680.19      | 278.81      | 246.88               | 226.46   | 200.52 |                                                      |        | 7.41   | 5.178 | 80     |                              |                                                       |                  |
|               |                    |             | 6.79        | 15.27                | 27.14    | 61.05  |                                                      |        |        |       |        |                              |                                                       |                  |
| 240           |                    | MS          | P050 0224 2 | 4.20                 | 1.45     | 1.28   | 1.18                                                 | 1.04   | 0.96   | 0.85  | 0.11   | 0.0009                       | 14                                                    |                  |
|               |                    |             |             |                      | 0.01     | 0.01   | 0.01                                                 | 0.01   | 0.01   | 0.03  |        |                              |                                                       |                  |
|               |                    |             | P060 0224 2 | 9.68                 | 3.78     | 3.46   | 3.15                                                 | 2.76   | 2.41   | 2.01  | 0.19   | 0.0014                       | 16                                                    |                  |
|               |                    |             |             |                      | 0.01     | 0.01   | 0.01                                                 | 0.02   | 0.03   | 0.05  |        |                              |                                                       |                  |
|               |                    |             | P065 0224 2 | 11.00                | 4.21     | 3.73   | 3.42                                                 | 3.03   | 2.78   | 2.46  | 0.23   | 0.0029                       | 16                                                    |                  |
|               |                    |             |             | 0.01                 | 0.01     | 0.01   | 0.02                                                 | 0.04   | 0.08   |       |        |                              |                                                       |                  |

| 分割<br>等份<br>S | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲綫    | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級         |        | 動態額定輸出扭矩 (kgf·m) |        |       |       | 凸輪軸<br>摩擦扭力<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>ø<br>(mm) |
|---------------|---------------------|-------------|-------------|----------------------|------------------|--------|------------------|--------|-------|-------|------------------------------|-------------------------------------------------------|------------------|
|               |                     |             |             |                      | 內部慣性負載扭矩 (kgf·m) |        |                  |        |       |       |                              |                                                       |                  |
|               |                     |             |             |                      | 入力軸轉速 N(rpm)     |        |                  |        |       |       |                              |                                                       |                  |
|               |                     |             |             |                      | 50               | 75     | 100              | 150    | 200   | 300   |                              |                                                       |                  |
| 2             | 240                 | MS          | P080 0224 2 | 17.22                | 6.41             | 5.68   | 5.21             | 4.61   | 4.23  | 3.74  | 0.35                         | 0.0065                                                | 19               |
|               |                     |             |             |                      | 0.01             | 0.02   | 0.02             | 0.05   | 0.08  | 0.17  |                              |                                                       |                  |
|               |                     |             | P100 0224 2 | 34.14                | 13.76            | 12.18  | 11.17            | 9.89   | 9.07  | 8.03  | 0.53                         | 0.0208                                                | 26               |
|               |                     |             |             |                      | 0.02             | 0.04   | 0.06             | 0.13   | 0.24  | 0.52  |                              |                                                       |                  |
|               |                     |             | P125 0224 2 | 55.05                | 22.37            | 19.81  | 18.17            | 16.09  | 14.76 | 13.07 | 0.74                         | 0.0648                                                | 35               |
|               |                     |             |             |                      | 0.05             | 0.11   | 0.18             | 0.41   | 0.72  | 1.62  |                              |                                                       |                  |
|               |                     |             | P150 0224 2 | 90.00                | 36.57            | 32.39  | 29.71            | 26.30  | 24.13 | 21.36 | 1.11                         | 0.151                                                 | 40               |
|               |                     |             |             |                      | 0.11             | 0.24   | 0.42             | 0.95   | 1.68  | 3.77  |                              |                                                       |                  |
|               |                     | P175 0224 2 | 123.27      | 48.91                | 43.31            | 39.73  | 35.18            | 32.27  | 28.57 | 1.52  | 0.293                        | 47                                                    |                  |
|               |                     |             |             | 0.21                 | 0.46             | 0.82   | 1.83             | 3.25   | 7.31  |       |                              |                                                       |                  |
|               |                     | P225 0224 2 | 345.81      | 140.51               | 127.90           | 118.69 | 107.51           | 94.32  | 83.08 | 3.18  | 1.073                        | 60                                                    |                  |
|               |                     |             |             | 0.94                 | 7.21             | 3.76   | 7.86             | 14.51  | 34.69 |       |                              |                                                       |                  |
|               |                     | P250 0224 2 | 387.70      | 152.67               | 135.19           | 124.10 | 109.81           | 100.73 | 89.19 | 3.94  | 1.484                        | 70                                                    |                  |
|               |                     |             |             | 1.03                 | 2.32             | 4.12   | 9.25             | 16.45  | 37.00 |       |                              |                                                       |                  |
|               |                     | P320 0224 2 | 680.19      | 267.86               | 237.18           | 217.57 | 192.65           | 176.72 |       | 7.87  | 5.178                        | 80                                                    |                  |
|               |                     |             |             | 3.59                 | 8.07             | 14.35  | 32.27            | 57.37  |       |       |                              |                                                       |                  |
|               | MCV<br>50           | P050 0224 2 | 4.73        | 1.74                 | 1.54             | 1.41   | 1.25             | 1.15   | 1.01  | 0.09  | 0.0012                       | 14                                                    |                  |
|               |                     |             |             | 0.01                 | 0.01             | 0.01   | 0.02             | 0.02   | 0.05  |       |                              |                                                       |                  |
|               |                     | P060 0224 2 | 9.81        | 4.72                 | 3.91             | 3.87   | 3.39             | 3.14   | 2.69  | 0.13  | 0.0018                       | 16                                                    |                  |
|               |                     |             |             | 0.01                 | 0.01             | 0.02   | 0.03             | 0.05   | 0.08  |       |                              |                                                       |                  |
|               |                     | P065 0224 2 | 11.00       | 5.25                 | 4.65             | 4.27   | 3.78             | 3.46   | 3.07  | 0.19  | 0.0042                       | 16                                                    |                  |
|               |                     |             |             | 0.01                 | 0.01             | 0.02   | 0.04             | 0.07   | 0.16  |       |                              |                                                       |                  |
|               |                     | P080 0224 2 | 19.91       | 8.03                 | 7.11             | 6.52   | 5.77             | 5.29   | 4.69  | 0.30  | 0.0108                       | 19                                                    |                  |
|               |                     |             |             | 0.02                 | 0.03             | 0.05   | 0.10             | 0.18   | 0.39  |       |                              |                                                       |                  |
|               |                     | P100 0224 2 | 38.41       | 16.49                | 14.60            | 13.39  | 11.86            | 10.87  | 9.63  | 0.45  | 0.0356                       | 26                                                    |                  |
|               |                     |             |             | 0.04                 | 0.09             | 0.15   | 0.33             | 0.58   | 1.29  |       |                              |                                                       |                  |
|               |                     | P125 0224 2 | 61.66       | 26.62                | 23.57            | 21.62  | 19.14            | 17.56  | 15.55 | 0.63  | 0.0985                       | 35                                                    |                  |
|               |                     |             |             | 0.10                 | 0.23             | 0.40   | 0.89             | 1.59   | 3.56  |       |                              |                                                       |                  |
|               |                     | P150 0224 2 | 101.25      | 43.88                | 38.81            | 35.60  | 31.52            | 28.91  | 25.60 | 0.96  | 0.238                        | 40                                                    |                  |
|               |                     |             |             | 0.24                 | 0.54             | 0.96   | 2.15             | 3.82   | 8.60  |       |                              |                                                       |                  |
|               |                     | P175 0224 2 | 132.08      | 54.32                | 48.10            | 44.12  | 39.07            | 35.84  | 31.73 | 1.33  | 0.304                        | 47                                                    |                  |
|               |                     |             |             | 0.31                 | 0.69             | 1.22   | 2.75             | 4.88   | 10.98 |       |                              |                                                       |                  |
|               | P225 0224 2         | 398.95      | 165.91      | 158.12               | 136.91           | 120.51 | 109.43           |        | 3.10  | 1.975 | 60                           |                                                       |                  |
|               |                     |             | 2.12        | 4.63                 | 8.57             | 20.94  | 39.65            |        |       |       |                              |                                                       |                  |
|               | P250 0224 2         | 426.47      | 176.61      | 156.38               | 143.45           | 127.02 | 116.52           |        | 3.47  | 2.623 | 70                           |                                                       |                  |
|               |                     |             | 2.64        | 5.92                 | 10.53            | 23.68  | 42.10            |        |       |       |                              |                                                       |                  |
|               | P320 0224 2         | 743.96      | 307.12      | 271.94               | 249.46           | 220.89 | 202.62           |        | 7.00  | 6.303 | 80                           |                                                       |                  |
|               |                     |             | 6.33        | 14.23                | 25.29            | 56.90  | 101.15           |        |       |       |                              |                                                       |                  |
|               | 270                 | MS          | P050 0227 2 | 4.20                 | 1.40             | 1.24   | 1.14             | 1.01   | 0.92  | 0.82  | 0.11                         | 0.009                                                 | 14               |
|               |                     |             |             |                      | 0.01             | 0.01   | 0.01             | 0.01   | 0.01  | 0.02  |                              |                                                       |                  |
| P060 0227 2   |                     |             | 9.76        | 3.53                 | 3.26             | 2.97   | 2.54             | 2.09   | 1.87  | 0.17  | 0.0014                       | 16                                                    |                  |
|               |                     |             |             | 0.01                 | 0.01             | 0.01   | 0.02             | 0.02   | 0.04  |       |                              |                                                       |                  |
| P065 0227 2   |                     |             | 11.00       | 4.06                 | 3.60             | 3.30   | 2.92             | 2.68   | 2.37  | 0.21  | 0.0029                       | 16                                                    |                  |
|               |                     |             |             | 0.01                 | 0.01             | 0.01   | 0.02             | 0.03   | 0.06  |       |                              |                                                       |                  |
| P080 0227 2   |                     |             | 17.22       | 6.19                 | 5.48             | 5.03   | 4.45             | 4.08   | 3.61  | 0.33  | 0.0065                       | 19                                                    |                  |
|               |                     |             |             | 0.01                 | 0.01             | 0.02   | 0.04             | 0.06   | 0.13  |       |                              |                                                       |                  |
| P100 0227 2   |                     |             | 34.14       | 13.28                | 11.76            | 10.79  | 9.55             | 8.76   | 7.76  | 0.50  | 0.0208                       | 26                                                    |                  |
|               |                     |             |             | 0.02                 | 0.03             | 0.05   | 0.11             | 0.19   | 0.41  |       |                              |                                                       |                  |
| P125 0227 2   |                     |             | 55.05       | 21.59                | 19.12            | 17.54  | 15.53            | 14.24  | 12.61 | 0.70  | 0.0985                       | 35                                                    |                  |
|               |                     |             |             | 0.06                 | 0.13             | 0.22   | 0.49             | 0.87   | 1.95  |       |                              |                                                       |                  |
| P150 0227 2   |                     |             | 90.00       | 35.30                | 31.26            | 28.68  | 25.39            | 23.29  | 20.62 | 1.06  | 0.238                        | 40                                                    |                  |
|               |                     |             |             | 0.14                 | 0.30             | 0.53   | 1.18             | 2.09   | 4.69  |       |                              |                                                       |                  |
| P175 0227 2   |                     |             | 132.08      | 52.44                | 46.43            | 42.59  | 37.71            | 34.59  | 30.63 | 1.43  | 0.304                        | 47                                                    |                  |
|               |                     |             |             | 0.17                 | 0.38             | 0.67   | 1.50             | 2.67   | 5.99  |       |                              |                                                       |                  |



| 分割<br>等份<br>S | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲綫     | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級     |        | 動態額定輸出扭矩 (kgf·m)<br>內部慣性負載扭矩 (kgf·m) |        |        |        | 凸輪軸<br>摩擦扭力<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>ø<br>(mm) |
|---------------|---------------------|--------------|-------------|----------------------|--------------|--------|--------------------------------------|--------|--------|--------|------------------------------|-------------------------------------------------------|------------------|
|               |                     |              |             |                      | 入力軸轉速 N(rpm) |        |                                      |        |        |        |                              |                                                       |                  |
|               |                     |              |             |                      | 50           | 75     | 100                                  | 150    | 200    | 300    |                              |                                                       |                  |
| 2             | 270                 | MS           | P225 0227 2 | 345.81               | 138.65       | 127.51 | 114.32                               | 102.69 | 95.12  | 84.05  | 3.02                         | 1.073                                                 | 60               |
|               |                     |              |             |                      | 0.74         | 1.52   | 2.73                                 | 5.61   | 11.89  | 27.31  |                              |                                                       |                  |
|               |                     |              | P250 0227 2 | 387.70               | 147.37       | 130.49 | 119.70                               | 105.99 | 97.23  | 86.09  | 3.78                         | 1.484                                                 | 70               |
|               |                     |              |             | 0.82                 | 1.83         | 3.25   | 7.31                                 | 13.00  | 29.23  |        |                              |                                                       |                  |
|               |                     | P3205 0227 2 | 680.19      | 258.56               | 228.95       | 210.02 | 185.96                               | 170.58 |        | 7.57   | 5.178                        | 80                                                    |                  |
|               |                     |              | 2.84        | 6.38                 | 11.34        | 25.50  | 45.33                                |        |        |        |                              |                                                       |                  |
|               |                     | MCV<br>50    | P050 0227 3 | 4.73                 | 1.68         | 1.49   | 1.36                                 | 1.21   | 1.11   | 0.98   | 0.09                         | 0.0012                                                | 14               |
|               |                     |              |             |                      | 0.01         | 0.01   | 0.01                                 | 0.01   | 0.02   | 0.04   |                              |                                                       |                  |
|               |                     |              | P060 0227 3 | 9.76                 | 4.56         | 3.81   | 3.43                                 | 3.05   | 2.92   | 2.68   | 0.15                         | 0.0031                                                | 16               |
|               |                     |              |             |                      | 0.01         | 0.01   | 0.02                                 | 0.02   | 0.04   | 0.08   |                              |                                                       |                  |
|               |                     |              | P065 0227 3 | 11.00                | 5.07         | 4.49   | 4.12                                 | 3.65   | 3.34   | 2.96   | 0.18                         | 0.0042                                                | 16               |
|               |                     |              |             | 0.01                 | 0.01         | 0.02   | 0.03                                 | 0.06   | 0.12   |        |                              |                                                       |                  |
|               |                     |              | P080 0227 3 | 19.91                | 7.75         | 6.86   | 6.29                                 | 5.57   | 5.11   | 4.52   | 0.28                         | 0.0108                                                | 19               |
|               |                     |              |             | 0.01                 | 0.02         | 0.04   | 0.08                                 | 0.14   | 0.31   |        |                              |                                                       |                  |
|               | P100 0227 3         |              | 38.41       | 15.91                | 14.09        | 12.92  | 11.44                                | 10.50  | 9.29   | 0.43   | 0.0356                       | 26                                                    |                  |
|               |                     |              | 0.03        | 0.07                 | 0.12         | 0.26   | 0.46                                 | 1.02   |        |        |                              |                                                       |                  |
|               | P125 0227 3         |              | 61.66       | 26.69                | 22.75        | 20.87  | 18.48                                | 16.95  | 15.01  | 0.61   | 0.0985                       | 35                                                    |                  |
|               |                     | 0.08         | 0.18        | 0.32                 | 0.71         | 1.25   | 2.82                                 |        |        |        |                              |                                                       |                  |
|               | P150 0227 3         | 101.25       | 42.31       | 37.46                | 34.36        | 30.43  | 27.91                                | 24.71  | 0.92   | 0.238  | 40                           |                                                       |                  |
|               |                     | 0.19         | 0.43        | 0.76                 | 1.70         | 3.02   | 6.80                                 |        |        |        |                              |                                                       |                  |
|               | 300                 | MS           | P175 0227 3 | 140.88               | 58.00        | 51.36  | 47.11                                | 41.72  | 38.27  | 33.88  | 1.26                         | 0.449                                                 | 47               |
|               |                     |              |             | 0.36                 | 0.81         | 1.43   | 3.21                                 | 5.70   | 12.81  |        |                              |                                                       |                  |
|               |                     |              | P225 0227 3 | 345.81               | 163.21       | 145.51 | 131.88                               | 118.40 | 107.69 |        | 2.89                         | 1.972                                                 | 60               |
|               |                     |              |             | 1.74                 | 3.92         | 6.98   | 16.23                                | 30.51  |        |        |                              |                                                       |                  |
|               |                     |              | P250 0227 3 | 426.47               | 170.48       | 150.95 | 138.47                               | 122.61 | 112.47 |        | 3.36                         | 2.623                                                 | 70               |
|               |                     |              |             | 2.08                 | 4.68         | 8.32   | 18.71                                | 33.26  |        |        |                              |                                                       |                  |
|               |                     |              | P320 0227 3 | 770.53               | 313.22       | 277.35 | 254.41                               | 225.28 | 206.65 |        | 6.73                         | 7.838                                                 | 80               |
|               |                     |              |             | 6.22                 | 13.98        | 24.85  | 55.91                                | 99.39  |        |        |                              |                                                       |                  |
| P050 0230 2   |                     |              | 4.73        | 1.83                 | 1.44         | 1.32   | 1.17                                 | 1.07   | 0.95   | 0.10   | 0.0012                       | 14                                                    |                  |
|               |                     |              | 0.01        | 0.01                 | 0.01         | 0.01   | 0.01                                 | 0.01   | 0.02   |        |                              |                                                       |                  |
| P060 0230 2   |                     |              | 9.76        | 4.45                 | 3.62         | 3.20   | 2.91                                 | 2.76   | 2.48   | 0.16   | 0.0031                       | 16                                                    |                  |
|               |                     | 0.01         | 0.01        | 0.01                 | 0.02         | 0.02   | 0.02                                 | 0.05   |        |        |                              |                                                       |                  |
| P065 0230 2   |                     | 11.00        | 4.91        | 4.35                 | 3.99         | 3.53   | 3.24                                 | 2.87   | 0.20   | 0.0042 | 16                           |                                                       |                  |
|               |                     | 0.01         | 0.01        | 0.01                 | 0.02         | 0.03   | 0.03                                 | 0.07   |        |        |                              |                                                       |                  |
| P080 0230 2   | 19.91               | 7.51         | 6.65        | 6.10                 | 5.40         | 4.95   | 4.38                                 | 0.31   | 0.0108 | 19     |                              |                                                       |                  |
|               | 0.01                | 0.02         | 0.02        | 0.05                 | 0.08         | 0.08   | 0.18                                 |        |        |        |                              |                                                       |                  |
| P100 0230 2   | 38.41               | 15.42        | 13.65       | 12.52                | 11.09        | 10.17  | 9.01                                 | 0.47   | 0.0356 | 26     |                              |                                                       |                  |
|               | 0.02                | 0.04         | 0.07        | 0.15                 | 0.26         | 0.26   | 0.57                                 |        |        |        |                              |                                                       |                  |
| P125 0230 2   | 61.66               | 24.89        | 22.04       | 20.22                | 17.90        | 16.42  | 14.54                                | 0.66   | 0.0985 | 35     |                              |                                                       |                  |
|               | 0.05                | 0.10         | 0.18        | 0.40                 | 0.70         | 0.70   | 1.58                                 |        |        |        |                              |                                                       |                  |
| P150 0230 2   | 101.25              | 40.99        | 36.29       | 33.29                | 29.48        | 27.04  | 23.94                                | 0.99   | 0.238  | 40     |                              |                                                       |                  |
|               | 0.11                | 0.24         | 0.43        | 0.95                 | 1.69         | 1.69   | 3.80                                 |        |        |        |                              |                                                       |                  |
| P175 0230 2   | 140.88              | 56.20        | 49.76       | 45.65                | 40.42        | 37.08  | 32.83                                | 1.36   | 0.449  | 47     |                              |                                                       |                  |
|               | 0.20                | 0.45         | 0.80        | 1.80                 | 3.19         | 3.19   | 7.17                                 |        |        |        |                              |                                                       |                  |
| P225 0230 2   | 345.81              | 158.42       | 140.61      | 128.65               | 115.02       | 104.32 | 92.60                                | 3.02   | 1.972  | 60     |                              |                                                       |                  |
|               | 0.96                | 2.06         | 3.78        | 8.94                 | 16.21        | 16.21  | 37.84                                |        |        |        |                              |                                                       |                  |
| P250 0230 2   | 426.47              | 165.18       | 146.26      | 134.16               | 118.80       | 108.97 | 96.49                                | 3.58   | 2.623  | 70     |                              |                                                       |                  |
|               | 1.17                | 2.62         | 4.65        | 10.42                | 18.60        | 18.60  | 41.85                                |        |        |        |                              |                                                       |                  |
| P320 0230 2   | 770.53              | 303.48       | 268.72      | 246.50               | 218.27       | 200.22 |                                      | 7.15   | 7.838  | 80     |                              |                                                       |                  |
|               | 3.48                | 7.82         | 13.90       | 31.27                | 55.58        |        |                                      |        |        |        |                              |                                                       |                  |
| MCV<br>50     | P050 0230 3         | 5.25         | 1.93        | 1.71                 | 1.56         | 1.38   | 1.27                                 | 1.12   | 0.09   | 0.0012 | 14                           |                                                       |                  |
|               |                     |              | 0.01        | 0.01                 | 0.01         | 0.01   | 0.02                                 | 0.03   |        |        |                              |                                                       |                  |
|               | P060 0230 3         | 9.82         | 5.18        | 4.56                 | 4.03         | 3.76   | 3.25                                 | 2.86   | 0.14   | 0.0031 | 16                           |                                                       |                  |
|               |                     | 0.01         | 0.01        | 0.02                 | 0.02         | 0.03   | 0.07                                 |        |        |        |                              |                                                       |                  |
| P065 0230 3   | 11.00               | 5.59         | 4.95        | 4.54                 | 4.02         | 3.69   | 3.27                                 | 0.17   | 0.0043 | 16     |                              |                                                       |                  |
|               |                     | 0.01         | 0.01        | 0.02                 | 0.03         | 0.05   | 0.10                                 |        |        |        |                              |                                                       |                  |

| 分割<br>等份<br>S | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲綫  | 代 碼         | 靜 扭 力<br>Ts<br>(kgf·m) | 上 級<br>下 級 |        | 動態額定輸出扭矩 (kgf·m)<br>內部慣性負載扭矩 (kgf·m)<br>入力輪轉速 N(rpm) |       |       |       | 凸輪軸<br>摩擦扭力<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>ø<br>(mm) |
|---------------|---------------------|-----------|-------------|------------------------|------------|--------|------------------------------------------------------|-------|-------|-------|------------------------------|-------------------------------------------------------|------------------|
|               |                     |           |             |                        | 50         | 75     | 100                                                  | 150   | 200   | 300   |                              |                                                       |                  |
|               |                     |           |             |                        |            |        |                                                      |       |       |       |                              |                                                       |                  |
| 2             | 300                 | MCV<br>50 | P080 0230 3 | 21.52                  | 8.52       | 7.54   | 6.92                                                 | 6.13  | 5.62  | 4.97  | 0.27                         | 0.0111                                                | 19               |
|               |                     |           |             |                        | 0.01       | 0.02   | 0.03                                                 | 0.07  | 0.12  | 0.26  |                              |                                                       |                  |
|               |                     |           | P100 0230 3 | 40.00                  | 18.27      | 16.18  | 14.84                                                | 13.14 | 12.05 | 10.67 | 0.41                         | 0.0372                                                | 26               |
|               |                     |           |             |                        | 0.03       | 0.06   | 0.10                                                 | 0.22  | 0.39  | 0.86  |                              |                                                       |                  |
|               |                     |           | P125 0230 3 | 65.00                  | 27.79      | 24.61  | 22.57                                                | 19.99 | 18.33 | 16.23 | 0.58                         | 0.102                                                 | 35               |
|               |                     |           |             |                        | 0.07       | 0.15   | 0.27                                                 | 0.59  | 1.05  | 2.36  |                              |                                                       |                  |
|               |                     |           | P150 0230 3 | 111.00                 | 47.52      | 42.07  | 38.59                                                | 34.17 | 31.35 | 27.76 | 0.87                         | 0.249                                                 | 40               |
|               |                     |           |             |                        | 0.16       | 0.36   | 0.64                                                 | 1.44  | 2.56  | 5.76  |                              |                                                       |                  |
|               |                     |           | P175 0230 3 | 154.09                 | 64.97      | 57.52  | 52.77                                                | 46.72 | 42.86 | 37.95 | 1.20                         | 0.468                                                 | 47               |
| 0.31          | 0.68                | 1.21      |             |                        | 2.71       | 4.81   | 10.82                                                |       |       |       |                              |                                                       |                  |
| P225 0230 3   | 345.81              | 173.81    | 162.14      | 146.51                 | 133.20     | 126.51 |                                                      | 2.65  | 1.984 | 60    |                              |                                                       |                  |
|               |                     | 1.26      | 3.80        | 5.94                   | 14.76      | 27.02  |                                                      |       |       |       |                              |                                                       |                  |
| P250 0230 3   | 484.63              | 202.77    | 179.55      | 164.70                 | 145.84     | 133.78 |                                                      | 3.15  | 2.828 | 70    |                              |                                                       |                  |
|               |                     | 1.82      | 4.09        | 7.27                   | 16.34      | 29.05  |                                                      |       |       |       |                              |                                                       |                  |
|               |                     | 355.75    | 315.00      | 288.96                 | 255.86     | 234.71 |                                                      |       |       |       |                              |                                                       |                  |
| P320 0230 3   | 850.24              | 5.75      | 12.92       | 22.97                  | 51.67      | 91.86  |                                                      | 6.40  | 8.943 | 80    |                              |                                                       |                  |
| 3             | 120                 | MCV<br>25 | P050 0312 5 | 3.99                   | 2.14       | 1.90   | 1.74                                                 | 1.54  | 1.41  | 1.25  | 0.12                         | 0.009                                                 | 14               |
|               |                     |           |             |                        | 0.01       | 0.01   | 0.01                                                 | 0.03  | 0.03  | 0.07  |                              |                                                       |                  |
|               |                     |           | P060 0312 5 | 8.54                   | 4.73       | 4.05   | 4.06                                                 | 3.68  | 3.41  | 3.05  | 0.21                         | 0.0018                                                | 16               |
|               |                     |           |             |                        | 0.01       | 0.02   | 0.03                                                 | 0.08  | 0.10  | 0.14  |                              |                                                       |                  |
|               |                     |           | P065 0312 5 | 10.24                  | 5.94       | 5.26   | 4.82                                                 | 4.27  | 3.92  | 3.47  | 0.24                         | 0.0027                                                | 19               |
|               |                     |           |             |                        | 0.01       | 0.02   | 0.03                                                 | 0.05  | 0.09  | 0.20  |                              |                                                       |                  |
|               |                     |           | P080 0312 5 | 16.14                  | 9.23       | 8.17   | 7.50                                                 | 6.64  | 6.09  | 5.39  | 0.37                         | 0.006                                                 | 22               |
|               |                     |           |             |                        | 0.02       | 0.03   | 0.05                                                 | 0.12  | 0.20  | 0.45  |                              |                                                       |                  |
|               |                     |           | P100 0312 5 | 31.58                  | 19.04      | 16.86  | 15.46                                                | 13.69 | 12.56 | 11.12 | 0.56                         | 0.0188                                                | 30               |
|               |                     |           |             |                        | 0.04       | 0.09   | 0.16                                                 | 0.35  | 0.63  | 1.40  |                              |                                                       |                  |
|               |                     |           | P125 0312 5 | 51.09                  | 30.84      | 27.31  | 25.05                                                | 22.18 | 20.34 | 18.01 | 0.79                         | 0.0582                                                | 35               |
|               |                     |           |             |                        | 0.13       | 0.28   | 0.49                                                 | 1.09  | 1.93  | 4.34  |                              |                                                       |                  |
|               |                     |           | P150 0312 5 | 83.25                  | 49.82      | 44.11  | 40.46                                                | 35.83 | 32.87 | 29.10 | 1.18                         | 0.135                                                 | 40               |
|               |                     |           |             |                        | 0.28       | 0.63   | 1.12                                                 | 2.52  | 4.47  | 10.05 |                              |                                                       |                  |
|               |                     |           | P175 0312 5 | 114.47                 | 75.76      | 67.08  | 61.54                                                | 54.49 | 49.98 | 44.26 | 1.61                         | 0.265                                                 | 52               |
|               |                     |           |             |                        | 0.55       | 1.24   | 2.20                                                 | 4.93  | 8.77  | 19.72 |                              |                                                       |                  |
|               | P225 0312 5         | 245.39    | 136.74      | 128.05                 | 104.31     | 98.75  | 94.32                                                |       | 3.24  | 0.865 | 60                           |                                                       |                  |
|               |                     |           | 1.94        | 3.86                   | 8.51       | 18.21  | 34.05                                                |       |       |       |                              |                                                       |                  |
|               | P250 0312 5         | 276.07    | 158.22      | 140.10                 | 128.52     | 113.80 | 104.39                                               |       | 3.99  | 1.109 | 80                           |                                                       |                  |
|               |                     |           | 2.30        | 5.16                   | 9.17       | 20.63  | 36.68                                                |       |       |       |                              |                                                       |                  |
|               | P320 0312 5         | 595.44    | 342.98      | 303.70                 | 278.59     | 246.68 |                                                      |       | 8.23  | 3.661 | 100                          |                                                       |                  |
|               | 150                 | MS        | P050 0315 2 | 4.20                   | 2.15       | 1.91   | 1.75                                                 | 1.55  | 1.42  | 1.26  | 0.12                         | 0.0009                                                | 14               |
|               |                     |           |             |                        | 0.01       | 0.01   | 0.01                                                 | 0.01  | 0.02  | 0.04  |                              |                                                       |                  |
|               |                     |           | P060 0315 2 | 8.71                   | 5.37       | 4.96   | 4.35                                                 | 3.84  | 3.56  | 3.02  | 0.20                         | 0.0018                                                | 16               |
|               |                     |           |             |                        | 0.01       | 0.01   | 0.02                                                 | 0.02  | 0.04  | 0.08  |                              |                                                       |                  |
|               |                     |           | P065 0315 2 | 11.00                  | 6.21       | 5.49   | 5.04                                                 | 4.46  | 4.09  | 3.62  | 0.23                         | 0.0027                                                | 19               |
|               |                     |           |             |                        | 0.01       | 0.01   | 0.02                                                 | 0.03  | 0.06  | 0.12  |                              |                                                       |                  |
|               |                     |           | P080 0315 2 | 17.22                  | 9.44       | 8.36   | 7.67                                                 | 6.79  | 6.23  | 5.51  | 0.36                         | 0.0061                                                | 22               |
| 0.01          |                     |           |             |                        | 0.02       | 0.03   | 0.07                                                 | 0.12  | 0.26  |       |                              |                                                       |                  |
| P100 0315 2   |                     |           | 34.14       | 19.84                  | 17.56      | 16.11  | 14.26                                                | 13.09 | 11.59 | 0.54  | 0.0194                       | 30                                                    |                  |
|               |                     |           |             | 0.03                   | 0.06       | 0.10   | 0.21                                                 | 0.37  | 0.83  |       |                              |                                                       |                  |
| P125 315 2    |                     |           | 56.15       | 32.89                  | 29.12      | 26.71  | 23.65                                                | 21.70 | 19.21 | 0.76  | 0.0606                       | 35                                                    |                  |
|               |                     |           |             | 0.08                   | 0.17       | 0.29   | 0.65                                                 | 1.15  | 2.58  |       |                              |                                                       |                  |
| P150 0315 2   | 90.00               | 51.90     | 45.96       | 42.16                  | 37.33      | 34.24  | 30.32                                                | 1.14  | 0.140 | 40    |                              |                                                       |                  |
|               |                     | 0.17      | 0.38        | 0.67                   | 1.49       | 2.65   | 5.96                                                 |       |       |       |                              |                                                       |                  |
| P175 0315 2   | 123.27              | 78.51     | 69.52       | 63.77                  | 56.47      | 51.80  | 45.87                                                | 1.56  | 0.273 | 52    |                              |                                                       |                  |
|               |                     | 0.33      | 0.73        | 1.30                   | 2.91       | 5.17   | 11.62                                                |       |       |       |                              |                                                       |                  |



| 分割<br>等份<br>S | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲綫    | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級         |        | 動態額定輸出扭矩 (kgf·m) |        |        |        | 凸輪軸<br>摩擦拉力<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------------|-------------|-------------|----------------------|------------------|--------|------------------|--------|--------|--------|------------------------------|-------------------------------------------------------|------------------|
|               |                     |             |             |                      | 內部慣性負載扭矩 (kgf·m) |        |                  |        |        |        |                              |                                                       |                  |
|               |                     |             |             |                      | 入力軸轉速 N(rpm)     |        |                  |        |        |        |                              |                                                       |                  |
|               |                     |             |             |                      | 50               | 75     | 100              | 150    | 200    | 300    |                              |                                                       |                  |
| 3             | 150                 | MS          | P225 0315 2 | 345.61               | 204.51           | 176.35 | 161.20           | 137.04 | 118.65 | 107.66 | 3.51                         | 0.914                                                 | 60               |
|               |                     |             |             |                      | 1.27             | 3.02   | 4.95             | 12.61  | 23.11  | 51.21  |                              |                                                       |                  |
|               |                     |             | P250 0315 2 | 387.70               | 221.86           | 196.45 | 180.20           | 159.56 | 146.37 | 129.61 | 4.03                         | 1.327                                                 | 80               |
|               |                     |             |             |                      | 1.57             | 3.53   | 6.28             | 14.12  | 25.10  | 56.46  |                              |                                                       |                  |
|               |                     |             | P3200315 2  | 680.19               | 389.24           | 344.66 | 316.16           | 279.95 | 256.80 |        | 8.05                         | 4.726                                                 | 100              |
|               |                     |             |             |                      | 5.59             | 12.57  | 22.35            | 50.27  | 89.37  |        |                              |                                                       |                  |
|               | 180                 | MS          | P050 0318 2 | 4.73                 | 2.41             | 2.13   | 1.96             | 1.73   | 1.59   | 1.41   | 0.10                         | 0.0012                                                | 14               |
|               |                     |             |             |                      | 0.01             | 0.01   | 0.01             | 0.01   | 0.02   | 0.04   |                              |                                                       |                  |
|               |                     |             | P060 0318 2 | 8.71                 | 5.68             | 5.31   | 4.89             | 4.25   | 3.87   | 3.34   | 0.18                         | 0.0021                                                | 16               |
|               |                     |             |             |                      | 0.01             | 0.01   | 0.01             | 0.02   | 0.03   | 0.06   |                              |                                                       |                  |
|               |                     |             | P065 0318 2 | 11.00                | 6.52             | 5.78   | 5.30             | 4.69   | 4.30   | 3.81   | 0.21                         | 0.0028                                                | 19               |
|               |                     |             |             |                      | 0.01             | 0.01   | 0.01             | 0.03   | 0.04   | 0.09   |                              |                                                       |                  |
|               |                     |             | P080 0318 2 | 19.37                | 10.57            | 9.36   | 8.58             | 7.60   | 6.97   | 6.17   | 0.33                         | 0.0103                                                | 22               |
|               |                     |             |             |                      | 0.01             | 0.02   | 0.04             | 0.08   | 0.14   | 0.31   |                              |                                                       |                  |
|               |                     |             | P100 0318 2 | 36.70                | 20.80            | 18.42  | 16.89            | 14.96  | 13.72  | 12.15  | 0.49                         | 0.0335                                                | 30               |
|               |                     |             |             |                      | 0.03             | 0.07   | 0.11             | 0.25   | 0.44   | 0.99   |                              |                                                       |                  |
|               |                     |             | P125 0318 2 | 60.56                | 34.66            | 30.69  | 28.16            | 24.93  | 22.87  | 20.25  | 0.69                         | 0.0921                                                | 35               |
|               |                     |             |             |                      | 0.08             | 0.18   | 0.31             | 0.69   | 1.21   | 2.73   |                              |                                                       |                  |
|               |                     | P150 0318 2 | 101.25      | 58.09                | 51.44            | 47.18  | 41.78            | 38.33  | 33.94  | 1.03   | 0.224                        | 47                                                    |                  |
|               |                     |             |             | 0.19                 | 0.42             | 0.74   | 1.66             | 2.95   | 6.62   |        |                              |                                                       |                  |
|               |                     | P175 0318 2 | 137.36      | 86.68                | 76.75            | 70.40  | 62.34            | 57.18  | 50.63  | 1.42   | 0.419                        | 52                                                    |                  |
|               |                     |             |             | 0.35                 | 0.78             | 1.38   | 3.10             | 5.51   | 12.38  |        |                              |                                                       |                  |
|               |                     | P225 0318 2 | 385.64      | 226.30               | 198.66           | 174.31 | 150.69           | 141.25 |        | 3.16   | 2.018                        | 60                                                    |                  |
|               |                     |             |             | 1.70                 | 4.10             | 6.94   | 15.81            | 28.94  |        |        |                              |                                                       |                  |
|               |                     | P250 0318 2 | 426.47      | 240.42               | 212.88           | 195.28 | 172.91           | 158.62 |        | 3.70   | 2.436                        | 80                                                    |                  |
|               |                     |             |             | 2.00                 | 4.50             | 8.00   | 18.00            | 31.99  |        |        |                              |                                                       |                  |
|               |                     | P320 0318 2 | 743.96      | 418.37               | 370.45           | 339.82 | 300.90           | 276.02 |        | 7.44   | 5.768                        | 100                                                   |                  |
|               |                     |             |             | 4.74                 | 10.66            | 18.94  | 42.61            | 75.74  |        |        |                              |                                                       |                  |
|               | 210                 | MS          | P050 0321 2 | 4.73                 | 2.30             | 2.04   | 1.87             | 1.65   | 1.52   | 1.34   | 0.10                         | 0.0012                                                | 14               |
|               |                     |             |             |                      | 0.01             | 0.01   | 0.01             | 0.01   | 0.02   | 0.03   |                              |                                                       |                  |
|               |                     |             | P060 0321 2 | 8.71                 | 5.42             | 5.02   | 4.63             | 3.98   | 3.62   | 3.07   | 0.17                         | 0.0021                                                | 16               |
|               |                     |             |             |                      | 0.01             | 0.01   | 0.01             | 0.02   | 0.03   | 0.04   |                              |                                                       |                  |
|               |                     |             | P065 0321 2 | 11.00                | 6.23             | 5.52   | 5.06             | 4.48   | 4.11   | 3.64   | 0.20                         | 0.0028                                                | 19               |
|               |                     |             |             |                      | 0.01             | 0.01   | 0.01             | 0.02   | 0.03   | 0.06   |                              |                                                       |                  |
|               |                     |             | P080 0321 2 | 19.37                | 10.09            | 8.94   | 8.20             | 7.26   | 6.66   | 5.89   | 0.30                         | 0.0103                                                | 22               |
|               |                     |             |             |                      | 0.01             | 0.02   | 0.03             | 0.06   | 0.10   | 0.23   |                              |                                                       |                  |
|               |                     |             | P100 0321 2 | 40.00                | 23.28            | 20.62  | 18.91            | 16.74  | 15.36  | 13.60  | 0.45                         | 0.0346                                                | 30               |
|               |                     |             |             |                      | 0.03             | 0.05   | 0.09             | 0.19   | 0.34   | 0.76   |                              |                                                       |                  |
|               |                     |             | P125 0321 2 | 64.41                | 36.18            | 32.04  | 29.39            | 26.02  | 23.87  | 21.14  | 0.64                         | 0.0942                                                | 35               |
|               |                     |             |             |                      | 0.06             | 0.13   | 0.23             | 0.52   | 0.91   | 2.05   |                              |                                                       |                  |
|               |                     |             | P150 0321 2 | 105.00               | 58.47            | 51.77  | 47.49            | 42.05  | 38.57  | 34.15  | 0.97                         | 0.227                                                 | 47               |
|               |                     |             |             |                      | 0.14             | 0.31   | 0.55             | 1.24   | 2.19   | 4.93   |                              |                                                       |                  |
|               |                     |             | P175 0321 2 | 145.28               | 89.76            | 79.48  | 72.91            | 64.56  | 59.22  | 52.44  | 1.32                         | 0.427                                                 | 52               |
|               |                     |             |             |                      | 0.26             | 0.58   | 1.03             | 2.32   | 4.12   | 9.27   |                              |                                                       |                  |
|               |                     |             | P225 0321 2 | 408.61               | 245.31           | 212.60 | 198.60           | 174.25 | 163.51 | 140.89 | 3.02                         | 2.121                                                 | 60               |
|               |                     |             |             |                      | 1.31             | 3.12   | 4.97             | 11.25  | 20.63  | 52.12  |                              |                                                       |                  |
|               | P250 0321 2         | 465.24      | 260.41      | 230.59               | 211.52           | 187.30 | 171.81           | 152.13 | 3.45   | 2.536  | 80                           |                                                       |                  |
|               |                     |             | 1.53        | 3.45                 | 6.12             | 13.77  | 24.47            | 55.05  |        |        |                              |                                                       |                  |
|               | P320 0321 2         | 797.10      | 441.33      | 390.78               | 358.47           | 317.41 | 291.17           |        | 6.99   | 6.926  | 100                          |                                                       |                  |
|               |                     |             | 4.18        | 9.40                 | 16.71            | 37.59  | 66.82            |        |        |        |                              |                                                       |                  |
|               | 240                 | MS          | P050 0324 2 | 5.25                 | 2.58             | 2.28   | 2.09             | 1.85   | 1.70   | 1.50   | 0.09                         | 0.0012                                                | 14               |
|               |                     |             |             |                      | 0.01             | 0.01   | 0.01             | 0.01   | 0.01   | 0.02   |                              |                                                       |                  |
|               |                     |             | P060 0324 2 | 8.71                 | 6.25             | 6.01   | 5.64             | 4.96   | 4.37   | 4.01   | 0.16                         | 0.0028                                                | 16               |
|               |                     |             |             |                      | 0.01             | 0.01   | 0.01             | 0.02   | 0.02   | 0.04   |                              |                                                       |                  |
|               |                     |             | P065 0324 2 | 11.00                | 7.43             | 6.58   | 6.04             | 5.34   | 4.90   | 4.34   | 0.18                         | 0.0041                                                | 19               |
|               |                     |             |             |                      | 0.01             | 0.01   | 0.01             | 0.02   | 0.03   | 0.07   |                              |                                                       |                  |

| 分割<br>等份<br>S | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲綫    | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級         |        | 動態額定輸出扭矩 (kgf·m) |        |        |        | 凸輪軸<br>摩擦扭力<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>ø<br>(mm) |
|---------------|---------------------|-------------|-------------|----------------------|------------------|--------|------------------|--------|--------|--------|------------------------------|-------------------------------------------------------|------------------|
|               |                     |             |             |                      | 內部慣性負載扭矩 (kgf·m) |        |                  |        |        |        |                              |                                                       |                  |
|               |                     |             |             |                      | 入力軸轉速 N(rpm)     |        |                  |        |        |        |                              |                                                       |                  |
|               |                     |             |             |                      | 50               | 75     | 100              | 150    | 200    | 300    |                              |                                                       |                  |
| 3             | 240                 | MS          | P080 0324 2 | 21.52                | 11.31            | 10.01  | 9.18             | 8.13   | 7.46   | 6.60   | 0.28                         | 0.0106                                                | 22               |
|               |                     |             |             |                      | 0.01             | 0.02   | 0.02             | 0.05   | 0.08   | 0.18   |                              |                                                       |                  |
|               |                     |             | P100 0324 2 | 40.00                | 23.75            | 21.03  | 19.29            | 17.08  | 15.67  | 13.87  | 0.43                         | 0.0351                                                | 30               |
|               |                     |             |             |                      | 0.02             | 0.04   | 0.07             | 0.15   | 0.26   | 0.59   |                              |                                                       |                  |
|               |                     |             | P125 0324 2 | 65.00                | 36.07            | 31.94  | 29.30            | 25.94  | 23.80  | 21.07  | 0.61                         | 0.0951                                                | 35               |
|               |                     |             |             |                      | 0.05             | 0.10   | 0.18             | 0.40   | 0.71   | 1.59   |                              |                                                       |                  |
|               |                     |             | P150 0324 2 | 111.00               | 60.93            | 53.95  | 49.49            | 43.82  | 40.20  | 35.60  | 0.91                         | 0.232                                                 | 47               |
|               |                     |             |             |                      | 0.11             | 0.25   | 0.43             | 0.97   | 1.72   | 3.86   |                              |                                                       |                  |
|               |                     |             | P175 0324 2 | 154.09               | 94.02            | 83.25  | 76.37            | 67.62  | 62.03  | 54.92  | 1.25                         | 0.437                                                 | 52               |
|               |                     |             |             |                      | 0.21             | 0.46   | 0.81             | 1.82   | 3.23   | 7.27   |                              |                                                       |                  |
|               |                     |             | P225 0324 2 | 408.61               | 235.65           | 202.63 | 189.51           | 163.20 | 158.47 | 139.62 | 2.86                         | 1.974                                                 | 60               |
|               |                     |             |             |                      | 0.92             | 2.31   | 3.24             | 8.65   | 15.33  | 39.69  |                              |                                                       |                  |
|               | P250 0324 2         | 465.24      | 250.19      | 221.53               | 203.22           | 179.94 | 165.06           | 146.16 | 3.31   | 2.536  | 80                           |                                                       |                  |
|               |                     |             | 1.18        | 2.64                 | 4.69             | 10.54  | 18.74            | 42.15  |        |        |                              |                                                       |                  |
|               | P320 0324 2         | 797.10      | 424.00      | 375.44               | 344.39           | 304.95 | 279.73           | 247.69 | 6.73   | 6.926  | 100                          |                                                       |                  |
|               |                     |             | 3.20        | 7.20                 | 12.79            | 28.78  | 51.16            | 115.11 |        |        |                              |                                                       |                  |
|               | 270                 | MS          | P050 0327 2 | 5.25                 | 2.49             | 2.20   | 2.02             | 1.79   | 1.64   | 1.45   | 0.09                         | 0.0012                                                | 14               |
|               |                     |             |             |                      | 0.01             | 0.01   | 0.01             | 0.01   | 0.01   | 0.02   |                              |                                                       |                  |
|               |                     |             | P060 0327 2 | 8.71                 | 6.02             | 5.94   | 5.42             | 4.61   | 4.02   | 3.87   | 0.14                         | 0.0028                                                | 16               |
|               |                     |             |             |                      | 0.01             | 0.01   | 0.01             | 0.02   | 0.02   | 0.04   |                              |                                                       |                  |
|               |                     |             | P065 0327 2 | 11.00                | 7.17             | 6.35   | 5.83             | 5.16   | 4.73   | 4.19   | 0.17                         | 0.0041                                                | 19               |
|               |                     |             |             |                      | 0.01             | 0.01   | 0.01             | 0.02   | 0.03   | 0.06   |                              |                                                       |                  |
|               |                     |             | P080 0327 2 | 21.52                | 10.92            | 9.67   | 8.87             | 7.85   | 7.20   | 6.38   | 0.27                         | 0.0106                                                | 22               |
|               |                     |             |             |                      | 0.01             | 0.01   | 0.02             | 0.04   | 0.07   | 0.14   |                              |                                                       |                  |
|               |                     |             | P100 0327 2 | 40.00                | 22.93            | 20.30  | 18.62            | 16.49  | 15.13  | 13.39  | 0.41                         | 0.0351                                                | 30               |
|               |                     |             |             |                      | 0.02             | 0.03   | 0.06             | 0.12   | 0.21   | 0.47   |                              |                                                       |                  |
|               |                     |             | P125 0327 2 | 65.00                | 34.82            | 30.83  | 28.28            | 25.04  | 22.97  | 20.34  | 0.58                         | 0.0951                                                | 35               |
|               |                     |             |             |                      | 0.04             | 0.08   | 0.14             | 0.32   | 0.56   | 1.25   |                              |                                                       |                  |
|               |                     |             | P150 0327 2 | 111.00               | 58.52            | 52.08  | 47.77            | 42.30  | 38.80  | 34.36  | 0.88                         | 0.232                                                 | 47               |
|               |                     |             |             |                      | 0.09             | 0.20   | 0.34             | 0.77   | 1.36   | 3.05   |                              |                                                       |                  |
|               |                     |             | P175 0327 2 | 154.09               | 90.76            | 80.36  | 73.72            | 65.27  | 59.87  | 53.02  | 1.20                         | 0.437                                                 | 52               |
|               |                     |             |             |                      | 0.16             | 0.36   | 0.64             | 1.44   | 2.56   | 5.74   |                              |                                                       |                  |
|               | P225 0327 2         | 423.74      | 241.34      | 208.52               | 194.32           | 170.50 | 162.31           | 142.54 | 2.73   | 1.974  | 60                           |                                                       |                  |
|               |                     |             | 0.71        | 1.84                 | 3.13             | 6.79   | 12.96            | 31.25  |        |        |                              |                                                       |                  |
| P250 0327 2   | 484.63              | 256.45      | 227.07      | 208.30               | 184.44           | 168.19 | 149.81           | 3.17   | 2.589  | 80     |                              |                                                       |                  |
|               |                     | 0.95        | 2.13        | 3.78                 | 8.50             | 15.11  | 34.00            |        |        |        |                              |                                                       |                  |
| P320 0327 2   | 850.24              | 449.92      | 398.39      | 365.45               | 323.59           | 296.83 | 262.84           | 6.43   | 8.254  | 100    |                              |                                                       |                  |
|               |                     | 3.02        | 6.78        | 12.05                | 27.10            | 48.18  | 108.39           |        |        |        |                              |                                                       |                  |
| 300           | MS                  | P050 0330 2 | 5.25        | 2.41                 | 2.14             | 1.96   | 1.73             | 1.59   | 1.41   | 0.08   | 0.0012                       | 14                                                    |                  |
|               |                     |             |             | 0.01                 | 0.01             | 0.01   | 0.01             | 0.01   | 0.02   |        |                              |                                                       |                  |
|               |                     | P060 0330 2 | 8.71        | 5.94                 | 5.71             | 5.02   | 4.35             | 3.67   | 3.48   | 0.14   | 0.0028                       | 16                                                    |                  |
|               |                     |             |             | 0.01                 | 0.01             | 0.02   | 0.02             | 0.02   | 0.03   |        |                              |                                                       |                  |
|               |                     | P065 0330 2 | 11.00       | 6.95                 | 6.15             | 5.65   | 5.00             | 4.58   | 4.06   | 0.17   | 0.0041                       | 19                                                    |                  |
|               |                     |             |             | 0.01                 | 0.01             | 0.01   | 0.02             | 0.02   | 0.05   |        |                              |                                                       |                  |
|               |                     | P080 0330 2 | 21.52       | 10.58                | 9.36             | 8.59   | 7.61             | 6.98   | 6.18   | 0.26   | 0.0106                       | 22                                                    |                  |
|               |                     |             |             | 0.01                 | 0.01             | 0.02   | 0.03             | 0.06   | 0.12   |        |                              |                                                       |                  |
|               |                     | P100 0330 2 | 40.00       | 22.22                | 19.67            | 18.04  | 15.98            | 14.66  | 12.98  | 0.39   | 0.0351                       | 30                                                    |                  |
|               |                     |             |             | 0.02                 | 0.03             | 0.05   | 0.10             | 0.17   | 0.38   |        |                              |                                                       |                  |
|               |                     | P125 0330 2 | 65.00       | 33.74                | 29.87            | 27.40  | 24.26            | 22.26  | 19.71  | 0.56   | 0.0951                       | 35                                                    |                  |
|               |                     |             |             | 0.03                 | 0.07             | 0.12   | 0.26             | 0.45   | 1.02   |        |                              |                                                       |                  |
| P150 0330 2   | 111.00              | 56.99       | 50.46       | 46.29                | 40.99            | 37.60  | 33.29            | 0.85   | 0.232  | 47     |                              |                                                       |                  |
|               |                     | 0.07        | 0.16        | 0.28                 | 0.62             | 1.10   | 2.47             |        |        |        |                              |                                                       |                  |
| P175 0330 2   | 154.09              | 87.93       | 77.86       | 71.42                | 63.24            | 58.01  | 51.37            | 1.17   | 0.437  | 52     |                              |                                                       |                  |
|               |                     | 0.13        | 0.30        | 0.52                 | 1.17             | 2.07   | 4.65             |        |        |        |                              |                                                       |                  |



| 分割<br>等份<br>S | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲線 | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級動態額定輸出扭矩 (kgf·m)<br>內部慣性負載扭矩 (kgf·m)<br>入力軸轉速 N(rpm) |        |        |        |        |        | 凸輪軸<br>摩擦扭矩<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------------|----------|-------------|----------------------|--------------------------------------------------------------|--------|--------|--------|--------|--------|------------------------------|-------------------------------------------------------|------------------|
|               |                     |          |             |                      | 50                                                           | 75     | 100    | 150    | 200    | 300    |                              |                                                       |                  |
|               |                     |          |             |                      | 50                                                           | 75     | 100    | 150    | 200    | 300    |                              |                                                       |                  |
| 3             | 300                 | MS       | P225 0330 2 | 423.74               | 238.60                                                       | 202.41 | 187.65 | 163.61 | 157.84 | 137.21 | 2.46                         | 1.974                                                 | 60               |
|               |                     |          | P250 0330 2 | 484.63               | 0.59                                                         | 1.37   | 2.63   | 4.36   | 10.52  | 22.65  | 3.08                         | 2.589                                                 | 80               |
|               |                     |          | P320 0330 2 | 850.24               | 248.47                                                       | 220.01 | 201.82 | 178.70 | 163.93 | 145.15 | 6.27                         | 8.254                                                 | 100              |
| 4             | 90                  | MS       | P050 0409 2 | 3.68                 | 435.92                                                       | 385.99 | 354.08 | 313.52 | 287.60 | 254.66 | 0.13                         | 0.0009                                                | 14               |
|               |                     |          | P060 0409 2 | 5.83                 | 2.44                                                         | 5.49   | 9.76   | 21.95  | 39.02  | 87.79  | 0.21                         | 0.0018                                                | 16               |
|               |                     |          | P065 0409 2 | 7.81                 | 2.05                                                         | 1.81   | 1.66   | 1.47   | 1.35   | 1.19   | 0.26                         | 0.0026                                                | 16               |
|               |                     |          | P080 0409 2 | 15.06                | 4.26                                                         | 3.65   | 3.28   | 3.02   | 2.71   | 2.45   | 0.41                         | 0.0062                                                | 19               |
|               |                     |          | P100 0409 2 | 25.90                | 0.01                                                         | 0.01   | 0.01   | 0.02   | 0.04   | 0.08   | 0.61                         | 0.018                                                 | 26               |
|               |                     |          | P125 0409 2 | 38.94                | 4.39                                                         | 3.89   | 3.57   | 3.16   | 2.90   | 2.56   | 0.84                         | 0.057                                                 | 35               |
|               |                     |          | P150 0409 2 | 58.35                | 0.01                                                         | 0.02   | 0.03   | 0.06   | 0.11   | 0.23   | 1.24                         | 0.126                                                 | 47               |
|               |                     |          | P175 0409 2 | 91.50                | 8.41                                                         | 7.45   | 6.83   | 6.05   | 5.55   | 4.91   | 1.72                         | 0.259                                                 | 52               |
|               |                     |          | P225 0409 2 | 223.65               | 14.09                                                        | 12.47  | 11.44  | 10.13  | 9.29   | 8.23   | 3.74                         | 0.894                                                 | 60               |
|               |                     |          | P250 0409 2 | 261.14               | 0.02                                                         | 0.04   | 0.07   | 0.14   | 0.25   | 0.55   | 4.32                         | 1.160                                                 | 80               |
|               |                     |          | P320 0409 2 | 555.74               | 14.09                                                        | 12.47  | 11.44  | 10.13  | 9.29   | 8.23   | 8.88                         | 3.827                                                 | 100              |
|               | 120                 | MS       | P050 0412 2 | 4.20                 | 36.32                                                        | 32.16  | 29.50  | 26.12  | 23.96  |        | 0.11                         | 0.0009                                                | 14               |
|               |                     |          | P060 0412 2 | 8.96                 | 0.32                                                         | 0.70   | 1.25   | 2.80   | 4.97   |        | 0.19                         | 0.0021                                                | 16               |
|               |                     |          | P065 0412 2 | 11.00                | 56.95                                                        | 50.42  | 46.25  | 40.96  | 37.57  |        | 0.23                         | 0.0029                                                | 16               |
|               |                     |          | P080 0412 2 | 17.22                | 0.64                                                         | 1.44   | 2.56   | 5.74   | 10.21  |        | 0.35                         | 0.0065                                                | 19               |
|               |                     |          | P100 0412 2 | 34.14                | 140.25                                                       | 132.65 | 122.01 | 109.33 | 104.25 |        | 0.53                         | 0.0208                                                | 32               |
|               |                     |          | P125 0412 2 | 55.05                | 2.06                                                         | 4.98   | 10.39  | 23.65  | 42.68  |        | 0.74                         | 0.0648                                                | 35               |
|               |                     |          | P150 0412 2 | 90.00                | 164.75                                                       | 145.88 | 133.82 | 118.49 | 108.70 |        | 1.11                         | 0.140                                                 | 47               |
|               |                     |          | P175 0412 2 | 123.27               | 2.86                                                         | 6.43   | 11.43  | 25.71  | 45.70  |        | 1.52                         | 0.293                                                 | 52               |
|               |                     |          | P225 0412 2 | 354.26               | 350.62                                                       | 310.46 | 284.79 | 252.17 |        |        | 3.51                         | 1.212                                                 | 60               |
|               |                     |          | P250 0412 2 | 387.70               | 9.43                                                         | 21.21  | 37.69  | 84.81  |        |        | 3.94                         | 1.484                                                 | 80               |
|               |                     |          | P320 0412 2 | 680.19               | 1.45                                                         | 1.29   | 1.18   | 1.04   | 0.96   | 0.85   | 7.87                         | 5.178                                                 | 100              |
|               | 150                 | MS       | P050 0415 2 | 4.73                 | 0.01                                                         | 0.01   | 0.01   | 0.02   | 0.02   | 0.05   | 0.10                         | 0.0012                                                | 14               |
|               |                     |          | P060 0415 2 | 8.96                 | 4.84                                                         | 4.29   | 3.93   | 3.48   | 3.19   | 2.83   | 0.17                         | 0.0028                                                | 16               |
|               |                     |          | P065 0415 2 | 11.00                | 0.01                                                         | 0.01   | 0.02   | 0.04   | 0.07   | 0.15   | 0.20                         | 0.0042                                                | 16               |
|               |                     |          |             |                      | 5.65                                                         | 5.00   | 4.59   | 4.06   | 3.72   | 3.30   |                              |                                                       |                  |

| 分割<br>等份<br>S | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲線 | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級動態額定輸出扭矩 (kgf·m)<br>內部慣性負載扭矩 (kgf·m)<br>入力軸轉速 N(rpm) |        |        |        |        |       | 凸輪軸<br>摩擦扭矩<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------------|----------|-------------|----------------------|--------------------------------------------------------------|--------|--------|--------|--------|-------|------------------------------|-------------------------------------------------------|------------------|
|               |                     |          |             |                      | 50                                                           | 75     | 100    | 150    | 200    | 300   |                              |                                                       |                  |
|               |                     |          |             |                      | 50                                                           | 75     | 100    | 150    | 200    | 300   |                              |                                                       |                  |
| 4             | 150                 | MS       | P080 0415 2 | 19.91                | 8.61                                                         | 7.62   | 6.99   | 6.19   | 5.68   | 5.03  | 0.31                         | 0.0108                                                | 19               |
|               |                     |          | P100 0415 2 | 38.41                | 0.01                                                         | 0.03   | 0.04   | 0.09   | 0.16   | 0.35  | 0.47                         | 0.0356                                                | 32               |
|               |                     |          | P125 0415 2 | 61.66                | 18.22                                                        | 16.13  | 14.80  | 13.10  | 12.02  | 10.64 | 0.66                         | 0.0985                                                | 35               |
|               |                     |          | P150 0415 2 | 101.25               | 0.04                                                         | 0.08   | 0.13   | 0.29   | 0.51   | 1.14  | 0.99                         | 0.238                                                 | 47               |
|               |                     |          | P175 0415 2 | 140.88               | 29.18                                                        | 25.84  | 23.70  | 20.98  | 19.25  | 17.04 | 1.36                         | 0.449                                                 | 52               |
|               |                     |          | P225 0415 2 | 387.65               | 0.09                                                         | 0.20   | 0.35   | 0.79   | 1.40   | 3.15  | 3.14                         | 1.987                                                 | 60               |
|               |                     |          | P250 0415 2 | 426.47               | 48.03                                                        | 42.53  | 39.01  | 34.55  | 31.69  | 28.06 | 3.58                         | 2.623                                                 | 80               |
|               |                     |          | P320 0415 2 | 743.96               | 0.22                                                         | 0.48   | 0.85   | 1.90   | 3.38   | 7.60  | 7.20                         | 6.303                                                 | 100              |
|               | 180                 | MS       | P050 0418 2 | 5.25                 | 65.55                                                        | 58.04  | 53.24  | 47.15  | 43.25  | 38.29 | 0.09                         | 0.0012                                                | 14               |
|               |                     |          | P060 0418 2 | 9.24                 | 0.40                                                         | 0.90   | 1.60   | 3.59   | 6.37   | 14.33 | 0.15                         | 0.0035                                                | 16               |
|               |                     |          | P065 0418 2 | 11.00                | 173.31                                                       | 156.14 | 141.33 | 124.52 | 113.65 |       | 0.18                         | 0.0043                                                | 19               |
|               |                     |          | P080 0418 2 | 21.52                | 2.07                                                         | 4.51   | 7.56   | 17.38  | 35.26  |       | 0.28                         | 0.0111                                                | 22               |
|               |                     |          | P100 0418 2 | 40.00                | 183.27                                                       | 162.28 | 148.86 | 131.81 | 120.91 |       | 0.43                         | 0.0372                                                | 32               |
|               |                     |          | P125 0418 2 | 65.00                | 2.33                                                         | 5.24   | 9.30   | 20.93  | 37.20  |       | 0.61                         | 0.102                                                 | 40               |
|               |                     |          | P150 0418 2 | 111.00               | 318.69                                                       | 282.19 | 258.86 | 229.21 | 210.26 |       | 0.91                         | 0.249                                                 | 47               |
|               |                     |          | P175 0418 2 | 154.09               | 5.59                                                         | 12.57  | 22.35  | 50.28  | 89.39  |       | 1.25                         | 0.468                                                 | 52               |
|               |                     |          | P225 0418 2 | 453.62               | 1.83                                                         | 1.62   | 1.48   | 1.31   | 1.21   | 1.07  | 2.87                         | 2.215                                                 | 60               |
|               |                     |          | P250 0418 2 | 484.63               | 0.01                                                         | 0.01   | 0.01   | 0.01   | 0.02   | 0.03  | 3.27                         | 2.828                                                 | 80               |
|               |                     |          | P320 0418 2 | 850.24               | 5.17                                                         | 4.31   | 4.02   | 3.68   | 3.17   | 3.02  | 6.63                         | 8.943                                                 | 100              |
|               | 210                 | MS       | P050 0421 2 | 5.25                 | 0.01                                                         | 0.01   | 0.02   | 0.02   | 0.03   | 0.07  | 0.08                         | 0.0012                                                | 14               |
|               |                     |          | P060 0421 2 | 9.24                 | 5.58                                                         | 4.94   | 4.53   | 4.01   | 3.68   | 3.26  | 0.14                         | 0.0035                                                | 16               |
|               |                     |          | P065 0421 2 | 11.00                | 0.01                                                         | 0.01   | 0.02   | 0.03   | 0.05   | 0.10  | 0.17                         | 0.0043                                                | 19               |
|               |                     |          | P080 0421 2 | 21.52                | 8.48                                                         | 7.51   | 6.89   | 6.10   | 5.60   | 4.95  | 0.27                         | 0.0111                                                | 22               |
|               |                     |          | P100 0421 2 | 40.00                | 0.01                                                         | 0.02   | 0.03   | 0.07   | 0.11   | 0.25  | 0.40                         | 0.0372                                                | 32               |
|               |                     |          | P125 0421 2 | 65.00                | 18.75                                                        | 16.61  | 15.23  | 13.49  | 12.37  | 10.95 | 0.58                         | 0.102                                                 | 40               |
|               |                     |          | P150 0421 2 | 111.00               | 0.03                                                         | 0.06   | 0.10   | 0.21   | 0.37   | 0.83  | 0.87                         | 0.249                                                 | 47               |
|               |                     |          | P175 0421 2 | 154.09               | 30.84                                                        | 27.31  | 25.05  | 22.18  | 20.35  | 18.01 | 1.19                         | 0.468                                                 | 52               |



| 分割<br>等份<br>S | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲綫 | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級動態額定輸出扭矩 (kgf·m)<br>內部慣性負載扭矩 (kgf·m)<br>入力軸轉速 N(rpm) |        |        |        |        |        | 凸輪軸<br>摩擦扭矩<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------------|----------|-------------|----------------------|--------------------------------------------------------------|--------|--------|--------|--------|--------|------------------------------|-------------------------------------------------------|------------------|
|               |                     |          |             |                      | 50                                                           | 75     | 100    | 150    | 200    | 300    |                              |                                                       |                  |
|               |                     |          |             |                      | 50                                                           | 75     | 100    | 150    | 200    | 300    |                              |                                                       |                  |
| 4             | 210                 | MS       | P225 0421 2 | 453.62               | 195.43                                                       | 168.52 | 156.94 | 143.21 | 128.50 | 112.32 | 2.62                         | 2.215                                                 | 60               |
|               |                     |          |             |                      | 1.16                                                         | 2.16   | 4.21   | 9.82   | 17.46  | 43.51  |                              |                                                       |                  |
|               |                     |          | P250 0421 2 | 484.63               | 203.38                                                       | 180.08 | 165.19 | 146.27 | 134.18 | 118.81 | 3.14                         | 2.828                                                 | 80               |
|               | 240                 | MS       |             |                      | 1.28                                                         | 2.88   | 5.12   | 11.51  | 20.47  | 46.04  |                              |                                                       |                  |
|               |                     |          | P320 0421 2 | 850.24               | 356.81                                                       | 315.95 | 289.82 | 256.63 | 235.41 |        | 6.37                         | 8.943                                                 | 100              |
|               |                     |          |             |                      | 4.05                                                         | 9.10   | 16.18  | 36.40  | 64.71  |        |                              |                                                       |                  |
|               | 270                 | MS       | P050 0424 2 | 5.25                 | 1.68                                                         | 1.48   | 1.36   | 1.21   | 1.11   | 0.98   | 0.08                         | 0.0012                                                | 14               |
|               |                     |          |             |                      | 0.01                                                         | 0.01   | 0.01   | 0.01   | 0.01   | 0.02   |                              |                                                       |                  |
|               |                     |          | P060 0424 2 | 9.24                 | 4.83                                                         | 4.25   | 3.84   | 3.35   | 3.04   | 2.86   | 0.13                         | 0.0035                                                | 16               |
|               |                     |          |             |                      | 0.01                                                         | 0.01   | 0.01   | 0.02   | 0.02   | 0.04   |                              |                                                       |                  |
|               |                     |          | P065 0424 2 | 11.00                | 5.12                                                         | 4.53   | 4.16   | 3.68   | 3.38   | 2.99   | 0.16                         | 0.0043                                                | 19               |
|               |                     |          |             |                      | 0.01                                                         | 0.01   | 0.01   | 0.02   | 0.03   | 0.06   |                              |                                                       |                  |
|               |                     |          | P080 0424 2 | 21.52                | 7.78                                                         | 6.89   | 6.32   | 5.60   | 5.13   | 4.54   | 0.25                         | 0.0111                                                | 22               |
|               |                     |          |             |                      | 0.01                                                         | 0.01   | 0.02   | 0.04   | 0.07   | 0.14   |                              |                                                       |                  |
|               |                     |          | P100 0424 2 | 40.00                | 17.20                                                        | 15.23  | 13.97  | 12.37  | 11.35  | 10.05  | 0.39                         | 0.0372                                                | 32               |
|               |                     |          |             |                      | 0.02                                                         | 0.03   | 0.06   | 0.12   | 0.21   | 0.47   |                              |                                                       |                  |
|               |                     |          | P125 0424 2 | 65.00                | 28.29                                                        | 25.05  | 22.98  | 20.35  | 18.66  | 16.52  | 0.55                         | 0.102                                                 | 40               |
|               |                     |          |             |                      | 0.04                                                         | 0.08   | 0.15   | 0.32   | 0.57   | 1.28   |                              |                                                       |                  |
|               |                     |          | P150 0424 2 | 111.00               | 48.36                                                        | 42.82  | 39.28  | 34.78  | 31.90  | 28.25  | 0.83                         | 0.249                                                 | 47               |
|               |                     |          |             |                      | 0.09                                                         | 0.20   | 0.35   | 0.78   | 1.38   | 3.11   |                              |                                                       |                  |
|               |                     |          | P175 0424 2 | 154.09               | 65.81                                                        | 58.27  | 53.46  | 47.33  | 43.42  | 38.45  | 1.14                         | 0.468                                                 | 52               |
|               | 300                 | MS       |             |                      | 0.17                                                         | 0.37   | 0.65   | 1.46   | 2.60   | 5.84   |                              |                                                       |                  |
|               |                     |          | P225 0424 2 | 453.62               | 190.32                                                       | 160.21 | 150.31 | 138.25 | 120.34 | 108.75 | 2.58                         | 2.215                                                 | 60               |
|               |                     |          |             |                      | 0.83                                                         | 1.94   | 3.10   | 6.76   | 13.52  | 33.71  |                              |                                                       |                  |
|               |                     |          | P250 0424 2 | 484.63               | 195.39                                                       | 173.01 | 158.71 | 140.53 | 128.91 | 114.14 | 3.04                         | 2.828                                                 | 80               |
|               |                     |          |             |                      | 0.98                                                         | 2.21   | 3.92   | 8.82   | 15.67  | 35.25  |                              |                                                       |                  |
|               |                     |          | P320 0424 2 | 850.24               | 342.80                                                       | 303.54 | 278.44 | 246.55 | 226.16 |        | 6.18                         | 8.943                                                 | 100              |
|               |                     |          |             |                      | 3.10                                                         | 6.97   | 12.39  | 27.87  | 49.55  |        |                              |                                                       |                  |
|               |                     |          | P050 0427 2 | 5.25                 | 1.62                                                         | 1.43   | 1.31   | 1.16   | 1.07   | 0.94   | 0.08                         | 0.0012                                                | 14               |
|               |                     |          |             |                      | 0.01                                                         | 0.01   | 0.01   | 0.01   | 0.01   | 0.02   |                              |                                                       |                  |
|               |                     |          | P060 0427 2 | 9.24                 | 4.62                                                         | 4.02   | 3.62   | 3.14   | 2.98   | 2.74   | 0.13                         | 0.0035                                                | 16               |
|               |                     |          |             |                      | 0.01                                                         | 0.01   | 0.01   | 0.02   | 0.02   | 0.03   |                              |                                                       |                  |
|               |                     |          | P065 0427 2 | 11.00                | 4.94                                                         | 4.38   | 4.01   | 3.55   | 3.26   | 2.89   | 0.16                         | 0.0043                                                | 19               |
|               |                     |          |             |                      | 0.01                                                         | 0.01   | 0.01   | 0.02   | 0.02   | 0.05   |                              |                                                       |                  |
|               |                     |          | P080 0427 2 | 21.52                | 7.51                                                         | 6.65   | 6.10   | 5.40   | 4.95   | 4.39   | 0.25                         | 0.0111                                                | 22               |
|               |                     |          |             |                      | 0.01                                                         | 0.01   | 0.02   | 0.03   | 0.05   | 0.11   |                              |                                                       |                  |
|               |                     |          | P100 0427 2 | 40.00                | 16.61                                                        | 14.70  | 13.49  | 11.94  | 10.95  | 9.70   | 0.37                         | 0.0372                                                | 32               |
|               |                     |          |             |                      | 0.02                                                         | 0.03   | 0.05   | 0.10   | 0.17   | 0.37   |                              |                                                       |                  |
|               |                     |          | P125 0427 2 | 65.00                | 27.31                                                        | 24.18  | 22.18  | 19.64  | 18.01  | 15.95  | 0.53                         | 0.102                                                 | 40               |
|               |                     |          |             |                      | 0.03                                                         | 0.07   | 0.12   | 0.26   | 0.45   | 1.01   |                              |                                                       |                  |
|               |                     |          | P150 0427 2 | 111.00               | 46.68                                                        | 41.33  | 37.92  | 33.57  | 30.80  | 27.27  | 0.81                         | 0.249                                                 | 47               |
|               |                     |          |             |                      | 0.07                                                         | 0.16   | 0.28   | 0.62   | 1.09   | 2.46   |                              |                                                       |                  |
|               |                     |          | P175 0427 2 | 154.09               | 63.53                                                        | 56.25  | 51.60  | 45.69  | 41.91  | 37.11  | 1.11                         | 0.468                                                 | 52               |
|               |                     |          |             |                      | 0.13                                                         | 0.29   | 0.52   | 1.16   | 2.05   | 4.61   |                              |                                                       |                  |
|               |                     |          | P225 0427 2 | 453.62               | 183.40                                                       | 161.25 | 146.31 | 128.65 | 116.51 | 104.32 | 2.31                         | 2.215                                                 | 60               |
|               |                     |          |             |                      | 0.73                                                         | 1.40   | 2.67   | 5.84   | 10.35  | 25.12  |                              |                                                       |                  |
|               |                     |          | P250 0427 2 | 484.63               | 188.61                                                       | 167.00 | 153.20 | 135.65 | 124.43 | 110.18 | 2.96                         | 2.828                                                 | 80               |
|               |                     |          |             |                      | 0.78                                                         | 1.75   | 3.10   | 6.97   | 12.38  | 27.86  |                              |                                                       |                  |
|               |                     |          | P320 0427 2 | 850.25               | 330.90                                                       | 293.00 | 268.77 | 237.99 | 218.31 | 193.31 | 6.02                         | 8.943                                                 | 100              |
|               |                     |          |             |                      | 2.45                                                         | 5.51   | 9.79   | 22.02  | 39.15  | 88.08  |                              |                                                       |                  |
|               | 300                 | MS       | P050 0430 2 | 5.25                 | 1.57                                                         | 1.39   | 1.27   | 1.13   | 1.03   | 0.91   | 0.07                         | 0.0012                                                | 14               |
|               |                     |          |             |                      | 0.01                                                         | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   |                              |                                                       |                  |
|               |                     |          | P060 0430 2 | 9.24                 | 4.42                                                         | 3.87   | 3.47   | 2.96   | 2.69   | 2.52   | 0.13                         | 0.0035                                                | 16               |
|               |                     |          |             |                      | 0.01                                                         | 0.01   | 0.01   | 0.01   | 0.02   | 0.03   |                              |                                                       |                  |
|               |                     |          | P065 0430 2 | 11.00                | 4.79                                                         | 4.24   | 3.89   | 3.44   | 3.16   | 2.80   | 0.15                         | 0.0043                                                | 19               |
|               |                     |          |             |                      | 0.01                                                         | 0.01   | 0.01   | 0.01   | 0.02   | 0.04   |                              |                                                       |                  |

| 分割<br>等份<br>S  | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲線       | 代 碼         | 靜 扭 力<br>Ts<br>(kgf·m) | 上級<br>下級       |                 | 動態額定輸出扭矩 (kgf·m)<br>內部慣性負載扭矩 (kgf·m)<br>入力軸轉速 N(rpm) |                 |                 |                 | 凸輪軸<br>摩擦扭矩<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>Ø<br>(mm) |        |        |
|----------------|---------------------|----------------|-------------|------------------------|----------------|-----------------|------------------------------------------------------|-----------------|-----------------|-----------------|------------------------------|-------------------------------------------------------|------------------|--------|--------|
|                |                     |                |             |                        | 50             | 75              | 100                                                  | 150             | 200             | 300             |                              |                                                       |                  |        |        |
|                |                     |                |             |                        |                |                 |                                                      |                 |                 |                 |                              |                                                       |                  |        |        |
| 4              | 300                 | MS             | P080 0430 2 | 21.52                  | 7.28<br>0.01   | 6.44<br>0.01    | 5.91<br>0.01                                         | 5.23<br>0.03    | 4.80<br>0.04    | 4.25<br>0.09    | 0.24                         | 0.0111                                                | 22               |        |        |
|                |                     |                | P100 0430 2 | 40.00                  | 16.09<br>0.01  | 14.25<br>0.02   | 13.07<br>0.04                                        |                 | 10.61<br>0.14   | 9.40<br>0.30    | 0.36                         | 0.0372                                                | 32               |        |        |
|                |                     |                | P125 0430 2 | 65.00                  | 26.46<br>0.03  | 23.43<br>0.06   | 21.49<br>0.10                                        | 19.03<br>0.21   | 17.45<br>0.37   | 15.45<br>0.82   | 0.52                         | 0.102                                                 | 40               |        |        |
|                |                     |                | P150 0430 2 | 111.00                 | 45.23<br>0.06  | 40.05<br>0.13   | 36.74<br>0.23                                        |                 | 29.84<br>0.89   | 26.42<br>1.99   | 0.79                         | 0.249                                                 | 47               |        |        |
|                |                     |                | P175 0430 2 | 154.09                 | 61.55<br>0.11  | 54.50<br>0.24   | 49.99<br>0.42                                        | 44.27<br>0.94   | 40.61<br>1.66   | 35.96<br>3.74   | 1.08                         | 0.468                                                 | 52               |        |        |
|                |                     |                | P225 0430 2 | 453.62                 | 178.51<br>0.58 | 156.82<br>1.10  | 140.33<br>1.94                                       | 124.83<br>4.25  | 112.37<br>8.31  | 102.50<br>20.33 | 2.31                         | 2.215                                                 | 60               |        |        |
|                |                     |                | P250 0430 2 | 484.63                 | 182.74<br>0.63 | 161.81<br>1.41  | 148.43<br>2.51                                       | 131.43<br>5.64  | 120.56<br>10.03 | 106.75<br>22.56 | 2.90                         | 2.828                                                 | 80               |        |        |
|                |                     |                | P320 0430 2 | 850.24                 | 320.61<br>1.99 | 283.89<br>4.46  | 260.41<br>7.93                                       |                 | 211.52<br>31.72 | 187.29<br>71.34 | 5.90                         | 8.943                                                 | 100              |        |        |
|                |                     |                | ※<br>6      | 180<br>(90x2)          | MS             | P050 0618 2     | 4.20                                                 | 1.78<br>0.01    | 1.57<br>0.01    | 1.44<br>0.01    | 1.28<br>0.02                 | 1.17<br>0.03                                          | 1.04<br>0.05     | 0.11   | 0.0009 |
| P060 0618 2    | 8.37                | 5.83<br>0.01   |             |                        |                | 4.77<br>0.01    | 4.34<br>0.02                                         |                 | 3.95<br>0.05    | 3.47<br>0.12    | 0.17                         | 0.0018                                                | 16               |        |        |
| P065 0618 2    | 11.00               | 6.57<br>0.01   |             |                        |                | 5.81<br>0.01    | 5.33<br>0.02                                         |                 | 4.33<br>0.08    | 3.83<br>0.16    | 0.21                         | 0.0027                                                | 19               |        |        |
| P080 0618 2    | 17.22               | 10.12<br>0.01  |             |                        |                | 8.96<br>0.03    | 8.22<br>0.04                                         | 7.28<br>0.09    | 6.68<br>0.16    | 5.91<br>0.36    | 0.32                         | 0.0061                                                | 19               |        |        |
| P100 0618 2    | 31.58               | 19.02<br>0.04  |             |                        |                | 16.84<br>0.07   | 15.44<br>0.13                                        |                 | 12.54<br>0.50   | 11.11<br>1.12   | 0.49                         | 0.0188                                                | 30               |        |        |
| P125 0618 2    | 56.15               | 34.84<br>0.10  |             |                        |                | 30.84<br>0.23   | 28.29<br>0.40                                        | 25.05<br>0.90   | 22.98<br>1.60   | 20.35<br>3.59   | 0.66                         | 0.0606                                                | 35               |        |        |
| P150 0618 2    | 93.00               | 58.97<br>0.24  |             |                        |                | 52.22<br>0.53   | 47.90<br>0.94                                        |                 | 38.91<br>3.73   | 34.45<br>8.40   | 0.97                         | 0.142                                                 | 40               |        |        |
| P175 0618 2    | 129.43              | 79.98<br>0.46  |             |                        |                | 70.82<br>1.04   | 64.97<br>1.84                                        | 57.52<br>4.13   | 52.77<br>7.33   | 46.72<br>16.49  | 1.29                         | 0.279                                                 | 47               |        |        |
| P225 0618 2    | 245.39              | 139.86<br>1.56 |             |                        |                | 130.21<br>3.26  | 106.51<br>5.31                                       | 101.25<br>14.33 | 96.38<br>25.46  |                 | 2.84                         | 0.865                                                 | 60               |        |        |
| P250 0618 2    | 276.07              | 161.08<br>1.83 |             |                        |                | 142.63<br>4.10  | 130.84<br>7.29                                       | 115.85<br>16.39 | 106.27<br>29.13 |                 | 3.06                         | 1.109                                                 | 80               |        |        |
| P320 0618 2    | 595.44              | 349.19<br>6.01 |             |                        |                | 309.19<br>13.53 | 283.63<br>24.04                                      |                 | 230.37<br>96.15 |                 | 6.00                         | 3.661                                                 | 100              |        |        |
| 210<br>(105x2) | MS                  | P050 0621 2    |             |                        |                | 4.73            | 2.01<br>0.01                                         | 1.78<br>0.01    | 1.63<br>0.01    | 1.44<br>0.02    | 1.32<br>0.03                 | 1.17<br>0.05                                          | 0.10             | 0.0012 | 14     |
|                |                     | P060 0621 2    |             |                        |                | 8.72            | 6.12<br>0.01                                         | 5.38<br>0.01    | 4.96<br>0.02    |                 | 4.25<br>0.04                 | 3.72<br>0.07                                          | 0.16             | 0.0021 | 16     |
|                |                     | P065 0621 2    |             |                        |                | 11.00           | 6.96<br>0.01                                         | 6.16<br>0.01    | 5.65<br>0.02    |                 | 4.59<br>0.06                 | 4.06<br>0.12                                          | 0.20             | 0.0028 | 19     |
|                |                     | P080 0621 2    |             |                        |                | 19.37           | 11.43<br>0.02                                        | 10.12<br>0.03   | 9.28<br>0.05    | 8.22<br>0.12    | 7.54<br>0.20                 | 6.67<br>0.45                                          | 0.30             | 0.0103 | 19     |
|                |                     | P100 0621 2    |             | 36.70                  | 22.40<br>0.05  | 19.83<br>0.10   | 18.19<br>0.17                                        |                 | 14.78<br>0.65   | 13.08<br>1.46   | 0.45                         | 0.0335                                                | 30               |        |        |
|                |                     | P125 0621 2    |             | 60.56                  | 37.03<br>0.12  | 32.79<br>0.25   | 30.07<br>0.45                                        | 26.63<br>1.00   | 24.43<br>1.78   | 21.63<br>4.00   | 0.61                         | 0.0921                                                | 35               |        |        |
|                |                     | P150 0621 2    |             | 101.25                 | 63.57<br>0.28  | 56.29<br>0.61   | 51.63<br>1.09                                        |                 | 41.94<br>4.33   | 37.14<br>9.73   | 0.89                         | 0.224                                                 | 40               |        |        |
|                |                     | P175 0621 2    |             | 137.36                 | 83.13<br>0.51  | 73.61<br>1.14   | 67.52<br>2.03                                        | 59.79<br>4.55   | 54.85<br>8.09   | 48.56<br>18.19  | 1.19                         | 0.419                                                 | 47               |        |        |



| 分割<br>等份<br>S | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲線      | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級動態額定輸出扭矩 (kgf·m)<br>內部慣性負載扭矩 (kgf·m)<br>入力軸轉速 N(rpm) |                 |                 |                 |                  |                 | 凸輪軸<br>摩擦阻力<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------------|---------------|-------------|----------------------|--------------------------------------------------------------|-----------------|-----------------|-----------------|------------------|-----------------|------------------------------|-------------------------------------------------------|------------------|
|               |                     |               |             |                      | 50                                                           | 75              | 100             | 150             | 200              | 300             |                              |                                                       |                  |
|               |                     |               |             |                      | 50                                                           | 75              | 100             | 150             | 200              | 300             |                              |                                                       |                  |
| ※<br>6        | 210<br>(105x2)      | MS            | P225 0621 2 | 354.26               | 212.01<br>1.42                                               | 193.21<br>2.84  | 167.25<br>4.81  | 152.01<br>12.30 | 142.51<br>21.32  | 130.20<br>54.31 | 2.76                         | 0.962                                                 | 60               |
|               |                     |               | P250 0621 2 | 387.70               | 231.66<br>1.61                                               | 205.13<br>3.61  | 188.16<br>6.41  | 166.61<br>14.41 | 152.84<br>25.61  | 135.33<br>57.61 | 3.00                         | 1.327                                                 | 80               |
|               |                     |               | P320 0621 2 | 678.43               | 406.43<br>5.70                                               | 359.88<br>12.83 | 330.12<br>22.80 | 292.31<br>51.30 | 268.14<br>91.19  |                 | 5.62                         | 4.726                                                 | 100              |
|               | 240<br>(120x2)      | MS            | P050 0624 2 | 5.25                 | 2.25<br>0.01                                                 | 1.99<br>0.01    | 1.83<br>0.01    | 1.62<br>0.02    | 1.48<br>0.02     | 1.31<br>0.04    | 0.09                         | 0.0012                                                | 14               |
|               |                     |               | P060 0624 2 | 9.65                 | 6.48<br>0.01                                                 | 5.63<br>0.01    | 5.12<br>0.02    | 4.95<br>0.03    | 4.38<br>0.04     | 4.02<br>0.10    | 0.14                         | 0.0028                                                | 16               |
|               |                     |               | P065 0624 2 | 13.21                | 7.39<br>0.01                                                 | 6.54<br>0.01    | 6.00<br>0.02    | 5.31<br>0.04    | 4.87<br>0.06     | 4.31<br>0.14    | 0.19                         | 0.0041                                                | 19               |
|               |                     |               | P080 0624 2 | 20.44                | 11.88<br>0.01                                                | 10.51<br>0.03   | 9.65<br>0.04    | 8.54<br>0.09    | 7.83<br>0.16     | 6.94<br>0.35    | 0.28                         | 0.0104                                                | 19               |
|               |                     |               | P100 0624 2 | 34.51                | 25.23<br>0.04                                                | 22.34<br>0.08   | 20.49<br>0.13   | 18.15<br>0.29   | 16.65<br>0.52    | 14.74<br>1.16   | 0.41                         | 0.0346                                                | 30               |
|               |                     |               | P125 0624 2 | 64.41                | 38.89<br>0.09                                                | 34.44<br>0.20   | 31.59<br>0.35   | 27.97<br>0.79   | 25.66<br>1.40    | 22.72<br>3.14   | 0.57                         | 0.0942                                                | 35               |
|               |                     |               | P150 0624 2 | 112.63               | 64.38<br>0.21                                                | 57.00<br>0.48   | 52.29<br>0.84   | 46.30<br>1.89   | 42.47<br>3.36    | 37.61<br>7.55   | 0.84                         | 0.227                                                 | 40               |
|               |                     |               | P175 0624 2 | 145.28               | 86.63<br>0.40                                                | 76.71<br>0.89   | 70.37<br>1.58   | 62.31<br>3.55   | 57.15<br>6.31    | 50.61<br>14.20  | 1.12                         | 0.427                                                 | 47               |
|               |                     |               | P225 0624 2 | 432.65               | 262.31<br>2.02                                               | 241.86<br>4.31  | 226.15<br>7.56  | 201.35<br>19.80 | 182.31<br>35.24  | 162.87<br>80.20 | 2.33                         | 2.025                                                 | 60               |
|               |                     |               | P250 0624 2 | 465.24               | 288.99<br>2.35                                               | 255.89<br>5.27  | 234.73<br>9.37  | 207.85<br>21.08 | 190.66<br>37.47  | 168.82<br>84.30 | 2.71                         | 2.536                                                 | 80               |
|               |                     |               | P320 0624 2 | 723.65               | 489.75<br>6.40                                               | 433.66<br>14.39 | 397.80<br>25.58 | 352.24<br>57.56 | 323.11<br>102.32 |                 | 5.13                         | 6.926                                                 | 100              |
|               | 270<br>(135x2)      | MS            | P050 0627 2 | 5.25                 | 2.17<br>0.01                                                 | 1.92<br>0.01    | 1.76<br>0.01    | 1.56<br>0.02    | 1.43<br>0.02     | 1.27<br>0.04    | 0.09                         | 0.0012                                                | 14               |
|               |                     |               | P060 0627 2 | 9.89                 | 7.15<br>0.01                                                 | 5.83<br>0.02    | 5.34<br>0.02    | 5.11<br>0.04    | 4.83<br>0.06     | 4.43<br>0.08    | 0.14                         | 0.0028                                                | 16               |
|               |                     |               | P065 0627 2 | 14.05                | 8.02<br>0.01                                                 | 7.10<br>0.01    | 6.51<br>0.02    | 5.77<br>0.03    | 5.29<br>0.05     | 4.68<br>0.11    | 0.17                         | 0.0041                                                | 19               |
|               |                     |               | P080 0627 2 | 21.52                | 12.36<br>0.01                                                | 10.94<br>0.02   | 10.04<br>0.04   | 8.89<br>0.07    | 8.15<br>0.13     | 7.22<br>0.28    | 0.26                         | 0.0106                                                | 19               |
|               |                     |               | P100 0627 2 | 35.62                | 25.86<br>0.03                                                | 22.90<br>0.06   | 21.01<br>0.11   | 18.60<br>0.24   | 17.06<br>0.41    | 15.11<br>0.93   | 0.39                         | 0.0351                                                | 30               |
|               |                     |               | P125 0627 2 | 65.00                | 38.95<br>0.07                                                | 34.49<br>0.16   | 31.64<br>0.28   | 28.02<br>0.63   | 25.70<br>1.12    | 22.75<br>2.50   | 0.54                         | 0.0951                                                | 35               |
|               |                     |               | P150 0627 2 | 114.82               | 67.41<br>0.17                                                | 59.69<br>0.39   | 54.75<br>0.68   | 48.48<br>1.53   | 44.47<br>2.71    | 39.38<br>6.10   | 0.79                         | 0.232                                                 | 40               |
|               |                     |               | P175 0627 2 | 154.09               | 91.17<br>0.32                                                | 80.72<br>0.72   | 74.05<br>1.28   | 65.57<br>2.87   | 60.15<br>5.11    | 53.26<br>11.48  | 1.05                         | 0.437                                                 | 47               |
|               |                     |               | P225 0627 2 | 546.72               | 270.31<br>1.80                                               | 248.65<br>3.65  | 231.25<br>4.35  | 213.01<br>14.69 | 187.65<br>27.21  | 168.19<br>65.11 | 2.21                         | 2.074                                                 | 60               |
|               |                     |               | P250 0627 2 | 584.63               | 296.22<br>1.89                                               | 262.29<br>4.25  | 240.60<br>7.56  | 213.04<br>17.00 | 195.43<br>30.22  | 173.04<br>68.00 | 2.57                         | 2.589                                                 | 80               |
|               |                     |               | P320 0627 2 | 831.69               | 519.69<br>6.03                                               | 460.17<br>13.55 | 422.12<br>24.09 | 373.77<br>54.20 | 342.87<br>96.35  |                 | 4.83                         | 8.254                                                 | 100              |
|               | ※<br>8              | 120<br>(60x2) | P050 0812 2 | 3.68                 | 1.67<br>0.01                                                 | 1.48<br>0.01    | 1.36<br>0.01    | 1.20<br>0.03    | 1.10<br>0.04     | 0.97<br>0.09    | 0.11                         | 0.0008                                                | 14               |
|               |                     |               | P060 0812 2 | 8.98                 | 4.02<br>0.01                                                 | 3.54<br>0.02    | 3.20<br>0.02    | 2.91<br>0.04    | 2.61<br>0.08     | 2.12<br>0.20    | 0.18                         | 0.0020                                                | 16               |
|               |                     |               | P065 0812 2 | 11.00                | 4.32<br>0.01                                                 | 3.82<br>0.02    | 3.51<br>0.03    | 3.10<br>0.07    | 2.85<br>0.12     | 2.52<br>0.26    | 0.23                         | 0.0026                                                | 16               |

| 分割<br>等份<br>S | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲線 | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級動態額定輸出扭矩 (kgf·m)<br>內部慣性負載扭矩 (kgf·m)<br>入力軸轉速 N(rpm) |                 |                 |                 |                 |                | 凸輪軸<br>摩擦阻力<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------------|----------|-------------|----------------------|--------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|----------------|------------------------------|-------------------------------------------------------|------------------|
|               |                     |          |             |                      | 50                                                           | 75              | 100             | 150             | 200             | 300            |                              |                                                       |                  |
|               |                     |          |             |                      | 50                                                           | 75              | 100             | 150             | 200             | 300            |                              |                                                       |                  |
| ※<br>8        | 120<br>(60x2)       | MS       | P080 0812 2 | 15.06                | 8.27<br>0.02                                                 | 7.32<br>0.04    | 6.72<br>0.07    | 5.95<br>0.16    | 5.45<br>0.28    | 4.83<br>0.62   | 0.35                         | 0.0062                                                | 19               |
|               |                     |          | P100 0812 2 | 25.90                | 13.94<br>0.05                                                | 12.34<br>0.12   | 11.32<br>0.20   | 10.02<br>0.45   | 9.19<br>0.80    | 8.14<br>1.80   | 0.51                         | 0.0180                                                | 26               |
|               |                     |          | P125 0812 2 | 38.94                | 21.01<br>0.16                                                | 18.60<br>0.36   | 17.06<br>0.64   | 15.11<br>1.43   | 13.86<br>2.54   | 12.27<br>5.70  | 0.69                         | 0.0571                                                | 30               |
|               |                     |          | P150 0812 2 | 58.35                | 31.75<br>0.35                                                | 28.11<br>0.79   | 25.79<br>1.40   | 22.83<br>3.15   | 20.94<br>5.59   |                | 0.99                         | 0.126                                                 | 40               |
|               |                     |          | P175 0812 2 | 91.50                | 49.50<br>0.72                                                | 43.83<br>1.62   | 40.20<br>2.87   | 35.60<br>6.46   | 32.65<br>11.48  |                | 1.36                         | 0.259                                                 | 47               |
|               |                     |          | P225 0812 2 | 223.65               | 128.65<br>2.46                                               | 117.36<br>5.38  | 108.42<br>10.78 | 96.51<br>26.21  |                 |                | 2.91                         | 0.894                                                 | 60               |
|               |                     |          | P250 0812 2 | 261.14               | 141.50<br>3.22                                               | 125.29<br>7.23  | 114.93<br>12.86 | 101.77<br>28.92 |                 |                | 3.25                         | 1.160                                                 | 80               |
|               |                     |          | P320 0812 2 | 555.74               | 301.13<br>10.61                                              | 266.64<br>23.86 | 244.59<br>42.41 | 216.58<br>95.41 |                 |                | 6.38                         | 3.827                                                 | 100              |
|               | 150<br>(75x2)       | MS       | P050 0815 2 | 3.89                 | 1.37<br>0.01                                                 | 1.22<br>0.01    | 1.12<br>0.01    | 0.99<br>0.02    | 0.90<br>0.03    | 0.80<br>0.06   | 0.10                         | 0.0009                                                | 14               |
|               |                     |          | P060 0815 2 | 6.94                 | 3.12<br>0.01                                                 | 2.94<br>0.02    | 2.61<br>0.02    | 2.31<br>0.03    | 2.02<br>0.05    | 1.94<br>0.12   | 0.16                         | 0.0020                                                | 16               |
|               |                     |          | P065 0815 2 | 8.24                 | 3.54<br>0.01                                                 | 3.14<br>0.02    | 2.88<br>0.02    | 2.55<br>0.05    | 2.34<br>0.08    | 2.07<br>0.17   | 0.20                         | 0.0026                                                | 16               |
|               |                     |          | P080 0815 2 | 17.22                | 7.63<br>0.02                                                 | 6.76<br>0.03    | 6.20<br>0.05    | 5.49<br>0.11    | 5.03<br>0.19    | 4.46<br>0.42   | 0.31                         | 0.0065                                                | 19               |
|               |                     |          | P100 0815 2 | 34.14                | 16.39<br>0.04                                                | 14.52<br>0.09   | 13.32<br>0.15   | 11.79<br>0.34   | 10.81<br>0.59   | 9.58<br>1.33   | 0.46                         | 0.0208                                                | 26               |
|               |                     |          | P125 0815 2 | 55.05                | 26.44<br>0.12                                                | 23.41<br>0.26   | 21.47<br>0.46   | 19.01<br>1.04   | 17.44<br>1.84   | 15.44<br>4.14  | 0.63                         | 0.0648                                                | 30               |
|               |                     |          | P150 0815 2 | 90.00                | 44.04<br>0.25                                                | 39.00<br>0.56   | 35.77<br>1.00   | 31.68<br>2.24   | 29.06<br>3.98   | 25.73<br>8.94  | 0.93                         | 0.140                                                 | 40               |
|               |                     |          | P175 0815 2 | 123.27               | 60.33<br>0.52                                                | 53.42<br>1.17   | 49.00<br>2.08   | 43.39<br>4.68   | 39.80<br>8.32   |                | 1.24                         | 0.293                                                 | 47               |
|               |                     |          | P225 0815 2 | 354.26               | 146.37<br>2.02                                               | 132.21<br>4.61  | 122.69<br>8.53  | 108.95<br>24.31 | 97.61<br>38.21  |                | 2.61                         | 0.972                                                 | 60               |
|               |                     |          | P250 0815 2 | 387.70               | 169.67<br>2.64                                               | 150.24<br>5.92  | 137.81<br>10.53 | 122.03<br>23.68 | 111.94<br>42.10 |                | 3.05                         | 1.484                                                 | 80               |
|               |                     |          | P320 0815 2 | 680.19               | 321.00<br>9.18                                               | 284.23<br>20.66 | 260.73<br>36.72 | 230.87<br>82.62 |                 |                | 5.73                         | 5.178                                                 | 100              |
|               | 180<br>(90x2)       | MS       | P050 0818 2 | 4.20                 | 1.46<br>0.01                                                 | 1.29<br>0.01    | 1.18<br>0.01    | 1.05<br>0.01    | 0.96<br>0.02    | 0.85<br>0.04   | 0.09                         | 0.0009                                                | 14               |
|               |                     |          | P060 0818 2 | 9.02                 | 4.32<br>0.01                                                 | 3.87<br>0.01    | 3.61<br>0.02    | 2.82<br>0.02    | 2.74<br>0.04    | 2.54<br>0.09   | 0.15                         | 0.0021                                                | 16               |
|               |                     |          | P065 0818 2 | 11.00                | 4.76<br>0.01                                                 | 4.21<br>0.01    | 3.86<br>0.02    | 3.42<br>0.04    | 3.14<br>0.06    | 2.78<br>0.13   | 0.19                         | 0.0029                                                | 19               |
|               |                     |          | P080 0818 2 | 19.91                | 9.04<br>0.02                                                 | 8.01<br>0.03    | 7.35<br>0.06    | 6.50<br>0.12    | 5.97<br>0.22    | 5.28<br>0.48   | 0.28                         | 0.0108                                                | 22               |
|               |                     |          | P100 0818 2 | 38.41                | 18.60<br>0.05                                                | 16.47<br>0.10   | 15.11<br>0.18   | 13.38<br>0.40   | 12.27<br>0.71   | 10.86<br>1.58  | 0.42                         | 0.0356                                                | 26               |
|               |                     |          | P125 0818 2 | 61.66                | 29.79<br>0.13                                                | 26.37<br>0.28   | 24.19<br>0.49   | 21.42<br>1.10   | 19.65<br>1.95   | 17.40<br>4.37  | 0.58                         | 0.0985                                                | 30               |
|               |                     |          | P150 0818 2 | 101.25               | 49.97<br>0.30                                                | 44.24<br>0.66   | 40.59<br>1.18   | 35.94<br>2.64   | 32.96<br>4.69   | 29.19<br>10.55 | 0.84                         | 0.238                                                 | 40               |
|               |                     |          | P175 0818 2 | 137.36               | 67.42<br>0.55                                                | 59.70<br>1.23   | 54.76<br>2.19   | 48.49<br>4.92   | 44.48<br>8.75   | 39.38<br>19.68 | 1.13                         | 0.444                                                 | 47               |

※ 6 STOP和8 STOP凸輪軸每轉一圈，按同樣的周期驅動和停止各兩次。  
在代碼中，標出凸輪軸每轉一圈其扭矩的驅動角。



| 分割<br>等份<br>S  | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲綫    | 代 碼         | 靜扭力<br>Ts<br>(kgf·m) | 上級<br>下級 |        | 動態額定輸出扭矩 (kgf·m)<br>內部慣性負載扭矩 (kgf·m)<br>入力軸轉速 N(rpm) |        |        |       |        | 凸輪軸<br>摩擦扭力<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>Ø<br>(mm) |
|----------------|---------------------|-------------|-------------|----------------------|----------|--------|------------------------------------------------------|--------|--------|-------|--------|------------------------------|-------------------------------------------------------|------------------|
|                |                     |             |             |                      | 50       | 75     | 100                                                  | 150    | 200    | 300   |        |                              |                                                       |                  |
|                |                     |             |             |                      |          |        |                                                      |        |        |       |        |                              |                                                       |                  |
| ※<br>8         | 180<br>(90x2)       | MS          | P225 0818 2 | 386.52               | 184.65   | 161.30 | 147.32                                               | 136.51 | 126.51 |       | 2.05   | 2.053                        | 60                                                    |                  |
|                |                     |             |             | 2.62                 | 6.18     | 10.43  | 24.32                                                | 46.51  |        |       |        |                              |                                                       |                  |
|                |                     |             | P250 0818 2 | 426.47               | 200.38   | 177.43 | 162.76                                               | 144.12 | 132.20 |       | 2.79   | 2.623                        | 80                                                    |                  |
|                |                     |             | 3.23        | 7.27                 | 12.92    | 29.07  | 51.67                                                |        |        |       |        |                              |                                                       |                  |
|                |                     | P320 0818 2 | 743.96      | 348.46               | 308.55   | 283.03 | 250.62                                               |        |        | 5.24  | 6.303  | 100                          |                                                       |                  |
|                |                     |             | 7.76        | 17.46                | 31.04    | 69.84  |                                                      |        |        |       |        |                              |                                                       |                  |
|                | 210<br>(105x2)      | MS          | P050 0821 2 | 4.73                 | 1.67     | 1.48   | 1.36                                                 | 1.20   | 1.10   | 0.97  | 0.09   | 0.0012                       | 14                                                    |                  |
|                |                     |             |             | 0.01                 | 0.01     | 0.01   | 0.01                                                 | 0.02   | 0.04   |       |        |                              |                                                       |                  |
|                |                     |             | P060 0821 2 | 9.03                 | 4.65     | 4.20   | 3.94                                                 | 3.43   | 3.02   | 2.65  | 0.15   | 0.0023                       | 16                                                    |                  |
|                |                     |             |             | 0.01                 | 0.01     | 0.02   | 0.02                                                 | 0.03   | 0.07   |       |        |                              |                                                       |                  |
|                |                     |             | P065 0821 2 | 11.00                | 5.08     | 4.50   | 4.13                                                 | 3.65   | 3.35   | 2.97  | 0.18   | 0.0030                       | 19                                                    |                  |
|                |                     |             |             | 0.01                 | 0.01     | 0.02   | 0.03                                                 | 0.05   | 0.10   |       |        |                              |                                                       |                  |
|                |                     |             | P080 0821 2 | 19.91                | 8.64     | 7.65   | 7.01                                                 | 6.21   | 5.70   | 5.04  | 0.26   | 0.0108                       | 22                                                    |                  |
|                |                     |             |             | 0.01                 | 0.03     | 0.04   | 0.09                                                 | 0.16   | 0.36   |       |        |                              |                                                       |                  |
|                |                     |             | P100 0821 2 | 38.41                | 17.76    | 15.72  | 14.42                                                | 12.77  | 11.72  | 10.37 | 0.40   | 0.0356                       | 26                                                    |                  |
|                |                     |             |             | 0.04                 | 0.08     | 0.13   | 0.29                                                 | 0.52   | 1.16   |       |        |                              |                                                       |                  |
|                |                     |             | P125 0821 2 | 61.66                | 28.44    | 25.18  | 23.10                                                | 20.45  | 18.76  | 16.61 | 0.54   | 0.0985                       | 30                                                    |                  |
|                |                     |             |             | 0.09                 | 0.21     | 0.36   | 0.81                                                 | 1.43   | 3.21   |       |        |                              |                                                       |                  |
|                |                     |             | P150 0821 2 | 101.25               | 47.71    | 42.24  | 38.75                                                | 34.31  | 31.47  | 27.87 | 0.80   | 0.238                        | 40                                                    |                  |
|                |                     |             |             | 0.22                 | 0.49     | 0.87   | 1.94                                                 | 3.45   | 7.75   |       |        |                              |                                                       |                  |
|                | P175 0821 2         | 140.88      | 66.99       | 59.32                | 54.42    | 48.18  | 44.20                                                | 39.14  | 1.07   | 0.449 | 47     |                              |                                                       |                  |
|                |                     | 0.41        | 0.92        | 1.63                 | 3.66     | 6.50   | 14.62                                                |        |        |       |        |                              |                                                       |                  |
|                | P225 0821 2         | 386.52      | 178.65      | 157.31               | 143.25   | 130.20 | 120.51                                               |        | 1.94   | 2.053 | 60     |                              |                                                       |                  |
|                |                     | 1.95        | 4.20        | 7.51                 | 18.65    | 34.31  |                                                      |        |        |       |        |                              |                                                       |                  |
|                | P250 0821 2         | 426.47      | 191.33      | 169.41               | 155.41   | 137.61 | 126.23                                               |        | 2.65   | 2.623 | 80     |                              |                                                       |                  |
|                |                     | 2.38        | 5.34        | 9.49                 | 21.36    | 37.96  |                                                      |        |        |       |        |                              |                                                       |                  |
|                | P320 0821 2         | 770.53      | 351.52      | 311.26               | 285.52   | 252.82 | 231.92                                               |        | 4.93   | 7.383 | 100    |                              |                                                       |                  |
|                |                     | 6.68        | 15.03       | 26.71                | 60.10    | 106.84 |                                                      |        |        |       |        |                              |                                                       |                  |
|                | 240<br>(120x2)      | MS          | P050 0824 2 | 5.25                 | 1.90     | 1.68   | 1.54                                                 | 1.37   | 1.25   | 1.11  | 0.08   | 0.0012                       | 14                                                    |                  |
|                |                     |             | 0.01        | 0.01                 | 0.01     | 0.01   | 0.02                                                 | 0.03   |        |       |        |                              |                                                       |                  |
| P060 0824 2    |                     |             | 9.41        | 5.85                 | 5.43     | 4.67   | 4.02                                                 | 3.55   | 3.02   | 0.13  | 0.0035 | 16                           |                                                       |                  |
|                |                     |             | 0.01        | 0.01                 | 0.02     | 0.02   | 0.03                                                 | 0.06   |        |       |        |                              |                                                       |                  |
| P065 0824 2    |                     |             | 11.00       | 6.20                 | 5.49     | 5.03   | 4.46                                                 | 4.09   | 3.62   | 0.16  | 0.0043 | 19                           |                                                       |                  |
|                |                     |             | 0.01        | 0.01                 | 0.02     | 0.03   | 0.05                                                 | 0.11   |        |       |        |                              |                                                       |                  |
| P080 0824 2    |                     |             | 21.52       | 9.42                 | 8.34     | 7.65   | 6.77                                                 | 6.21   | 5.50   | 0.25  | 0.0111 | 22                           |                                                       |                  |
|                |                     |             | 0.01        | 0.02                 | 0.04     | 0.07   | 0.13                                                 | 0.28   |        |       |        |                              |                                                       |                  |
| P100 0824 2    |                     |             | 40.00       | 20.22                | 17.90    | 16.42  | 14.54                                                | 13.34  | 11.81  | 0.37  | 0.0372 | 26                           |                                                       |                  |
|                |                     |             | 0.03        | 0.06                 | 0.11     | 0.24   | 0.42                                                 | 0.93   |        |       |        |                              |                                                       |                  |
| P125 0824 2    |                     |             | 65.00       | 30.50                | 27.01    | 24.78  | 21.94                                                | 20.12  | 17.82  | 0.51  | 0.102  | 30                           |                                                       |                  |
|                |                     |             | 0.08        | 0.16                 | 0.29     | 0.64   | 1.14                                                 | 2.55   |        |       |        |                              |                                                       |                  |
| P150 0824 2    |                     |             | 111.00      | 53.14                | 47.05    | 43.16  | 38.21                                                | 35.05  | 31.04  | 0.75  | 0.249  | 40                           |                                                       |                  |
|                |                     |             | 0.18        | 0.39                 | 0.69     | 1.56   | 2.76                                                 | 6.21   |        |       |        |                              |                                                       |                  |
| P175 0824 2    | 154.09              | 74.40       | 65.88       | 60.43                | 53.51    | 49.09  | 43.46                                                | 1.00   | 0.468  | 47    |        |                              |                                                       |                  |
|                | 0.33                | 0.73        | 1.30        | 2.92                 | 5.19     | 11.67  |                                                      |        |        |       |        |                              |                                                       |                  |
| P225 0824 2    | 420.63              | 203.6       | 187.41      | 171.25               | 150.65   | 132.05 |                                                      | 1.72   | 2.154  | 60    |        |                              |                                                       |                  |
|                | 1.05                | 3.74        | 6.25        | 14.89                | 27.65    |        |                                                      |        |        |       |        |                              |                                                       |                  |
| P250 0824 2    | 484.63              | 225.65      | 199.81      | 183.28               | 162.29   | 148.87 |                                                      | 2.44   | 2.828  | 80    |        |                              |                                                       |                  |
|                | 1.96                | 4.41        | 7.84        | 17.63                | 31.34    |        |                                                      |        |        |       |        |                              |                                                       |                  |
| P320 0824 2    | 850.24              | 395.89      | 350.55      | 321.56               | 284.73   | 261.19 |                                                      | 4.58   | 8.943  | 100   |        |                              |                                                       |                  |
|                | 6.20                | 13.94       | 24.78       | 55.74                | 99.09    |        |                                                      |        |        |       |        |                              |                                                       |                  |
| 270<br>(135x2) | MS                  | P050 0827 2 | 5.25        | 1.84                 | 1.63     | 1.49   | 1.32                                                 | 1.21   | 1.07   | 0.08  | 0.0012 | 14                           |                                                       |                  |
|                |                     |             | 0.01        | 0.01                 | 0.01     | 0.01   | 0.02                                                 | 0.03   |        |       |        |                              |                                                       |                  |
|                |                     | P060 0827 2 | 9.41        | 5.62                 | 5.12     | 4.60   | 3.85                                                 | 3.31   | 2.98   | 0.13  | 0.0035 | 16                           |                                                       |                  |
|                | 0.01                | 0.01        | 0.01        | 0.02                 | 0.03     | 0.06   |                                                      |        |        |       |        |                              |                                                       |                  |
| P065 0827 2    | 11.00               | 5.98        | 5.30        | 4.86                 | 4.30     | 3.94   | 3.49                                                 | 0.16   | 0.0043 | 19    |        |                              |                                                       |                  |
|                | 0.01                | 0.01        | 0.01        | 0.03                 | 0.04     | 0.09   |                                                      |        |        |       |        |                              |                                                       |                  |

| 分割<br>等份<br>S | 轉位<br>角度<br>θ (deg) | 凸輪<br>曲綫 | 代 碼         | 靜 扭 力<br>Ts<br>(kgf·m) | 上級<br>下級動態額定輸出扭矩 (kgf·m)<br>內部慣性負載扭矩 (kgf·m)<br>入力軸轉速 N(rpm) |        |        |       |       |       | 凸輪軸<br>摩擦扭矩<br>Tx<br>(kgf·m) | 出力軸<br>慣性<br>GD <sup>2</sup><br>(kgf·m <sup>2</sup> ) | 軸承套<br>Ø<br>(mm) |
|---------------|---------------------|----------|-------------|------------------------|--------------------------------------------------------------|--------|--------|-------|-------|-------|------------------------------|-------------------------------------------------------|------------------|
|               |                     |          |             |                        | 50                                                           | 75     | 100    | 150   | 200   | 300   |                              |                                                       |                  |
|               |                     |          |             |                        |                                                              |        |        |       |       |       |                              |                                                       |                  |
| ※<br>8        | 270<br>(135x2)      | MS       | P080 0827 2 | 21.52                  | 9.09                                                         | 8.05   | 7.38   | 6.54  | 5.99  | 5.31  | 0.24                         | 0.0111                                                | 22               |
|               |                     |          |             |                        | 0.01                                                         | 0.02   | 0.03   | 0.06  | 0.10  | 0.22  |                              |                                                       |                  |
|               |                     |          | P100 0827 2 | 40.00                  | 19.52                                                        | 17.28  | 15.85  | 14.04 | 12.88 | 11.40 | 0.36                         | 0.0372                                                | 26               |
|               |                     |          |             |                        | 0.03                                                         | 0.05   | 0.09   | 0.19  | 0.33  | 0.74  |                              |                                                       |                  |
|               |                     |          | P125 0827 2 | 65.00                  | 29.44                                                        | 26.07  | 23.91  | 21.18 | 19.42 | 17.20 | 0.49                         | 0.102                                                 | 30               |
|               |                     |          |             |                        | 0.06                                                         | 0.13   | 0.23   | 0.51  | 0.90  | 2.01  |                              |                                                       |                  |
|               |                     |          | P150 0827 2 | 111.00                 | 51.29                                                        | 45.42  | 41.66  | 36.89 | 33.84 | 29.96 | 0.72                         | 0.249                                                 | 40               |
|               |                     |          |             |                        | 0.14                                                         | 0.31   | 0.55   | 1.23  | 2.18  | 4.91  |                              |                                                       |                  |
|               |                     |          | P175 0827 2 | 154.09                 | 71.82                                                        | 63.59  | 58.34  | 51.65 | 47.38 | 41.96 | 0.96                         | 0.468                                                 | 47               |
|               |                     |          |             |                        | 0.26                                                         | 0.58   | 1.03   | 2.31  | 4.10  | 9.22  |                              |                                                       |                  |
| P225 0827 2   | 420.63              | 196.31   | 180.25      | 162.31                 | 142.50                                                       | 127.86 | 112.01 | 1.68  | 2.154 | 60    |                              |                                                       |                  |
|               |                     | 0.98     | 3.52        | 5.02                   | 11.69                                                        | 20.65  | 50.25  |       |       |       |                              |                                                       |                  |
| P250 0827 2   | 484.63              | 217.82   | 192.87      | 176.92                 | 156.66                                                       | 143.70 | 127.24 | 2.36  | 2.828 | 80    |                              |                                                       |                  |
|               |                     | 1.55     | 3.49        | 6.19                   | 13.93                                                        | 24.76  | 55.71  |       |       |       |                              |                                                       |                  |
| P320 0827 2   | 850.24              | 382.15   | 338.38      | 310.40                 | 274.85                                                       | 252.12 |        | 4.42  | 8.943 | 100   |                              |                                                       |                  |
|               |                     | 4.90     | 11.01       | 19.58                  | 44.04                                                        | 78.29  |        |       |       |       |                              |                                                       |                  |

※ 6 STOP和8 STOP凸輪軸每轉一圈，按同樣的周期驅動和停止各兩次。  
在代碼中，標出凸輪軸每轉一圈其扭矩的驅動角。



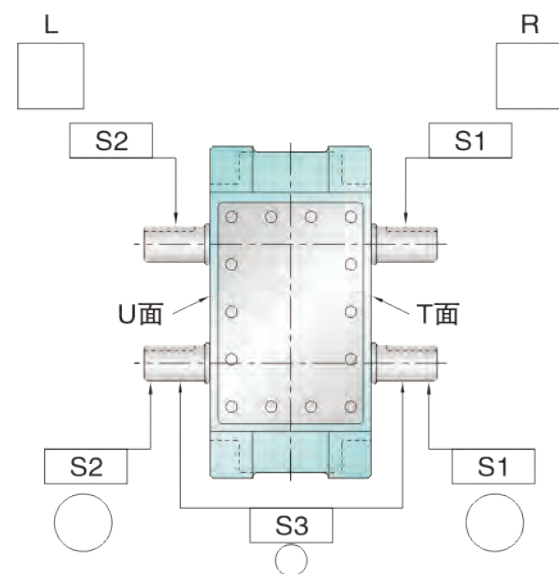
PU系列技術支援尋求資料表

圓盤驅動：☐

- 1. 分割數(表示需要幾個工作站)：\_\_\_\_\_
- 2. 入力軸驅使出力軸運動的角度：\_\_\_\_\_度
- 3. 入力軸每分鐘轉數：\_\_\_\_\_ RPM
- 4. 圓盤直徑：\_\_\_\_\_ mm; 厚度：\_\_\_\_\_ mm; 材質：\_\_\_\_\_
- 5. 夾具每組重量：\_\_\_\_\_ kg
- 6. 工件每組重量：\_\_\_\_\_ kg
- 7. 夾具及工件固定於節圓直徑：\_\_\_\_\_ mm
- 8. 圓盤底部是否有支撐：\_\_\_\_\_ mm (支撐之半徑)

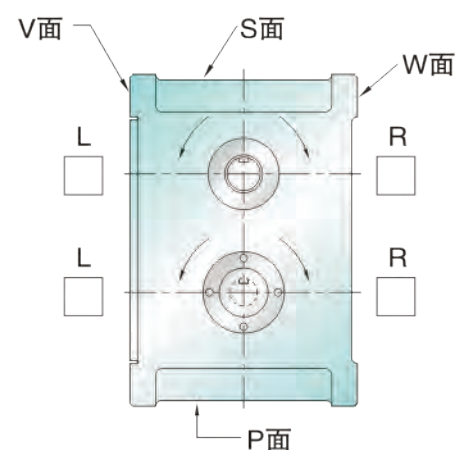
分割器安裝面 P\_\_\_\_S\_\_\_\_T\_\_\_\_U\_\_\_\_V\_\_\_\_W\_\_\_\_\_

請勾選出力軸需求方向(右邊S1，左邊S2)



請勾選入力軸需求那一邊  
(只留右邊S1，只留左邊S2，兩邊均要S3)

請勾選出力軸旋轉方向



請勾選入力軸旋轉方向

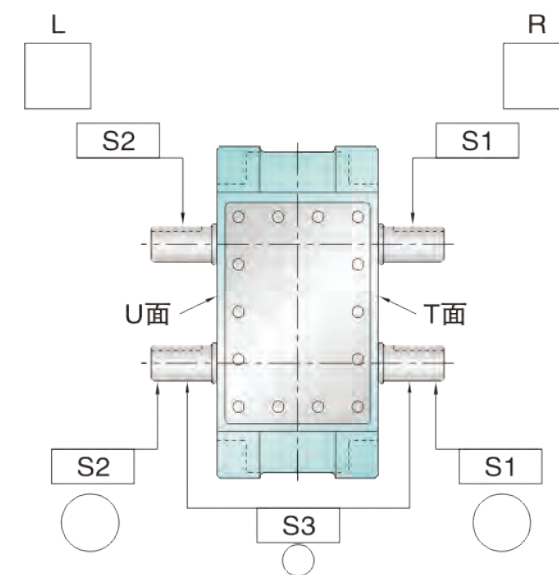
PU系列技術支援尋求資料表

輸送帶驅動：☐

- 1. 分割數(表示需要幾個工作站)：\_\_\_\_\_
- 2. 入力軸驅使出力軸運動的角度：\_\_\_\_\_度
- 3. 入力軸每分鐘轉數：\_\_\_\_\_ RPM
- 4. 輸送帶輸送間距：\_\_\_\_\_ mm
- 5. 主動輪節圓直徑：\_\_\_\_\_ mm; 重量：\_\_\_\_\_ Kg
- 6. 從動輪節圓直徑：\_\_\_\_\_ mm; 重量：\_\_\_\_\_ Kg
- 7. 傳動軸的直徑：\_\_\_\_\_ mm; 重量：\_\_\_\_\_ Kg; 數量：\_\_\_\_\_ 支
- 8. 鏈輪節圓直徑：\_\_\_\_\_ mm; 重量：\_\_\_\_\_ Kg; 數量：\_\_\_\_\_ 組
- 9. 鏈條重量：\_\_\_\_\_ Kg; 數量：\_\_\_\_\_ 組
- 10. 夾具每組重量：\_\_\_\_\_ Kg; 數量：\_\_\_\_\_ 組
- 11. 工作每組重量：\_\_\_\_\_ Kg; 數量：\_\_\_\_\_ 組

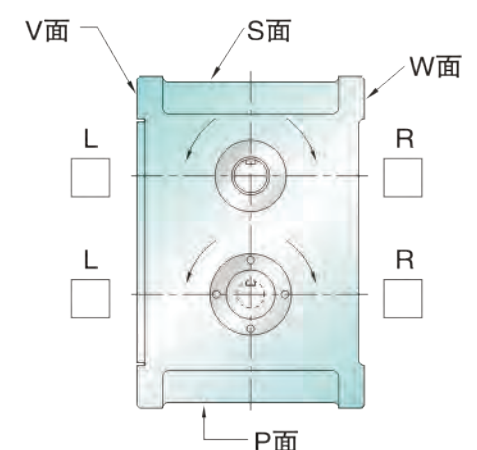
分割器安裝面 P\_\_\_\_S\_\_\_\_T\_\_\_\_U\_\_\_\_V\_\_\_\_W\_\_\_\_\_

請勾選出力軸需求方向(右邊S1，左邊S2)



請勾選入力軸需求那一邊  
(只留右邊S1，只留左邊S2，兩邊均要S3)

請勾選出力軸旋轉方向



請勾選入力軸旋轉方向



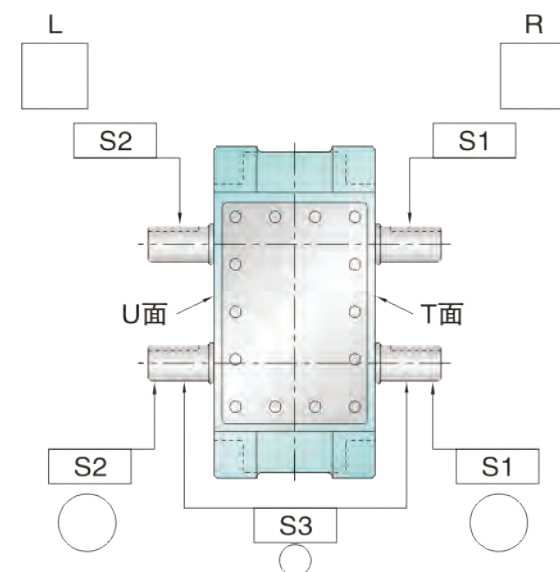
## PU系列技術支援尋求資料表

### 齒輪間接驅動：☐

1. 分割數(表示需要幾個工作站)：\_\_\_\_\_
2. 入力軸驅使出力軸運動的角度：\_\_\_\_\_度
3. 入力軸每分鐘轉數：\_\_\_\_\_ RPM
4. 主動輪節圓直徑：\_\_\_\_\_ mm; 重量：\_\_\_\_\_ Kg
5. 從動輪節圓直徑：\_\_\_\_\_ mm; 重量：\_\_\_\_\_ Kg
6. 夾具每組重量：\_\_\_\_\_ Kg; 重量：\_\_\_\_\_ 組
7. 工件每組重量：\_\_\_\_\_ Kg; 重量：\_\_\_\_\_ 組
8. 治具固定於節圓直徑：\_\_\_\_\_ mm
9. 圓盤底部是否有支撐：\_\_\_\_\_ mm(支撐之半徑)

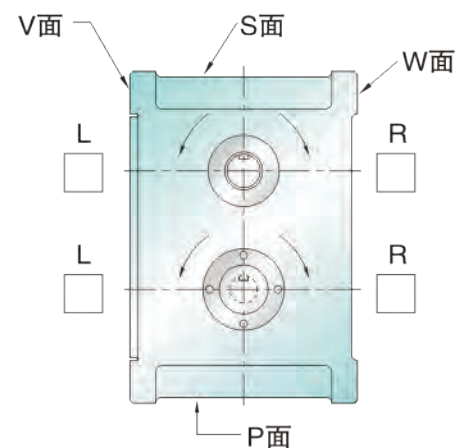
## 分割器安裝面 P \_\_\_\_\_ S \_\_\_\_\_ T \_\_\_\_\_ U \_\_\_\_\_ V \_\_\_\_\_ W \_\_\_\_\_

請勾選出力軸需求方向(右邊S1，左邊S2)



請勾選入力軸需求那一邊  
(只留右邊S1，只留左邊S2，兩邊均要S3)

請勾選出力軸旋轉方向



請勾選入力軸旋轉方向

# 三福士

好的產品來自於  
用心的專業團隊

品質優異 精益求精