



## Features

- All-steel flexible couplings.
- High rigidity high torque.
- Low moment of inertia backlash-free.
- Suitable to middling large servo system exact transmission.
- Compensating of axial radial and angular shaft misalignments.
- Long service life maintenance-free.
- Clamp type.
- WTM-C Body : S45C alloy.

## 特性

- 一體化全剛簧片式聯軸器。
- 高剛性.高扭矩
- 低慣性.無背隙
- 適於中大型伺服馬達精密.定位傳動
- 具軸向.徑向及角度偏差補正功能。
- 免保養.壽命長。
- 夾鉗式固定
- WTM-C 本體：合金鋼材質。

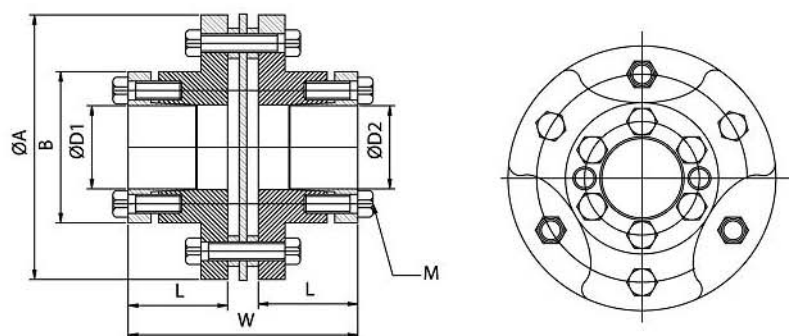
## Specifications

unit:mm

| Product No<br>產品編號 | Rated Torque<br>常用扭矩<br>(N.m) | Max. Torque<br>最大扭矩<br>(N.m) | Max. Rotational Frequency<br>最高迴轉數<br>(min <sup>-1</sup> ) | Moment*<br>Of Inertia<br>慣性<br>(kg.m <sup>2</sup> ) | Error of Eccentricity<br>容許偏心量<br>(mm) | Error of Angularity<br>容許角偏差<br>(°) | Error of Shaft End-play<br>容許軸向位差<br>(mm) |
|--------------------|-------------------------------|------------------------------|--|---|--|-------------------------------------|---|
| WTM-01C            | 30                            | 60                           | 11000  | 1.7×10 <sup>-4</sup>                                | 0.15                                   | 1°                                  | ±0.6                                      |
| WTM-03C            | 40                            | 80                           | 10700  | 2.7×10 <sup>-4</sup>                                | 0.15                                   | 1°                                  | ±0.6                                      |
| WTM-05C            | 95                            | 190                          | 9300   | 5.5×10 <sup>-4</sup>                                | 0.20                                   | 1°                                  | ±0.8                                      |
| WTM-10C            | 140                           | 280                          | 8400   | 9.7×10 <sup>-4</sup>                                | 0.20                                   | 1°                                  | ±1.0                                      |
| WTM-20C            | 225                           | 450                          | 6700   | 3.0×10 <sup>-3</sup>                                | 0.3                                    | 1°                                  | ±1.2                                      |
| WTM-40C            | 400                           | 800                          | 5900   | 5.3×10 <sup>-3</sup>                                | 0.4                                    | 1°                                  | ±1.4                                      |

\*Max. Bore Moment of Inertia/最大孔徑時慣性矩

## Clamp type



## Dimension

unit:mm

| Product No<br>產品編號 | A   | B    | L  | W   | Stock Bores<br>標準孔徑<br>D1×D2(公差 H8) |           | M    |
|--------------------|-----|------|----|-----|-------------------------------------|-----------|------|
|                    |     |      |    |     | Min<br>D1                           | Max<br>D2 |      |
|                    |     |      |    |     | WTM-01C                             | 70        |      |
| WTM-03C            | 80  | 49.5 | 30 | 68  | 15                                  | 25        | 6×M6 |
| WTM-05C            | 92  | 62   | 35 | 78  | 19                                  | 35        | 6×M6 |
| WTM-10C            | 102 | 70   | 40 | 88  | 22                                  | 45        | 6×M6 |
| WTM-20C            | 128 | 85   | 48 | 107 | 35                                  | 55        | 6×M8 |
| WTM-40C            | 145 | 100  | 65 | 141 | 40                                  | 65        | 8×M8 |

## When Ordering

When placing an order,make sure to include product no.

And stock bores(both sides) of product.

## WTM-05C - Ø25 X Ø32

Product No      D1      D2

## Note

For safe, please read the followings carefully, and keep this catalog so that you can review these important points when necessary.

## Danger

The following incorrect use may lead to death or serious injury.

- For safe operation, couplings and other rotational parts must be protected by covers. You might be injured if you touch the products during operation.
- Safety devices must be equipped to prevent danger.
- Electrical power must be off during attachment and removal process.
- Setscrews or cap screws should be properly tightened using a torque driver or a torque wrench.
- The product must not be operated at rotational speeds beyond the max. rotational frequency.

## Caution

The following incorrect use may lead to physical injury or substantial loss.

- Operate the product within the values of allowable misalignment. Operation under misalignment exceeding allowable values may result in the damage of the couplings, and adversely affect the systems in which these couplings are used.
- Torque generated during continuous operation must not exceed the rated torque. If not, the couplings may be damaged, or adversely affect the systems in which these couplings are used.
- For fastening, do not use other screws (setscrews or cap screws) specified by us.
- Do not operate under an environment which adversely affects the product.
- Stop the rotation machine immediately if you hear an abnormal noise coming from it. Proceed to check the machine for misalignment, whether or not shafts are in contact, loose screws, etc.
- If you are using a rotation machine that comes under significant load fluctuation, apply an adhesive on screws to prevent them from becoming loose, or use a coupling one rank above.
- When disposing, ask specialists for disposal of this kind of product in order not to harm the environment.
- Do not touch the coupling just after finishing operation. You might be scalded by heat induced from the system in which the couplings are used.

## 備註

為安全工作，請仔細閱讀以下部分，並保存說明書，以便需要的時候再查看這些要點。

### 危險

以下使用錯誤可能導致生命危險或嚴重傷害。

- 為安全工作，聯軸器和其他旋轉件必須由外罩保護。如果您觸碰這些工作中的部件，可能會受到傷害。
- 為防止危險，必須安裝防護裝置。
- 安裝和拆卸時必須切斷電源。
- 緊固螺栓和沉頭螺栓應使用起子、板手或扭力板手以適當的力量鎖緊。
- 產品的工作轉速不能超過最大轉速。

### 警告

下列使用錯誤可能導致身體傷害或財產損失。

- 請在容許偏差範圍內工作。在偏差高過容許值時工作，可能會導致聯軸器的損壞，並可能對使用聯軸器的系統造成不利影響。
- 連續工作產生的扭矩不能超過額定扭矩。否則聯軸器可能會受到損壞，或可能對使用聯軸器的系統造成不利影響。
- 緊固時，使用合乎規範的螺栓(緊固螺栓和沉頭螺栓)，而不要使用其他產品。
- 不要在對產品產生不利影響的環境下工作。
- 如果聽到非正常噪音，請立刻停止旋轉機械工作。檢查機械的偏差、軸是否相互接觸干涉、螺栓是否鬆脫等。
- 如果您使用的旋轉機械在負荷變化比較大的情況下工作，請在螺栓上使用防鬆膠防止其脫落，或使用大一型號的聯軸器。
- 廢棄處理時，請依分類來處理這類產品，以避免對環境造成破壞。
- 剛完成工作後，不要觸碰聯軸器。您可能會被使用聯軸器的系統的高溫燙傷。