

## MFC-C

Flexible couplings

## MFCS-C



## Features

- Ideal one-body metallic spring flexible couplings.
- Zero backlash.
- Complete absorption of eccentricity angularity, and end-play by spring action.
- High torsional stiffness and response.
- Identical clockwise and anticlockwise rotational characteristics.
- Maintenance-free, oil and chemical resistant.
- Clamp type.
- MFC-C Body : Extra Super Duralumin.
- MFCS-C Body : Stainless steel.

## 特性

- 完美單一本體，撓性聯軸器。
- 零作用力。
- 藉由彈性作用，完美吸收軸偏移、角偏差、軸端部位插。
- 高扭力，高負荷
- 可正逆轉特性。
- 免保養、抗油、抗化學性。
- 夾鉗式固定。
- MFC-C 本體：鋁合金材質。
- MFCS-C 本體：不銹鋼材質。

## Specifications

unit:mm

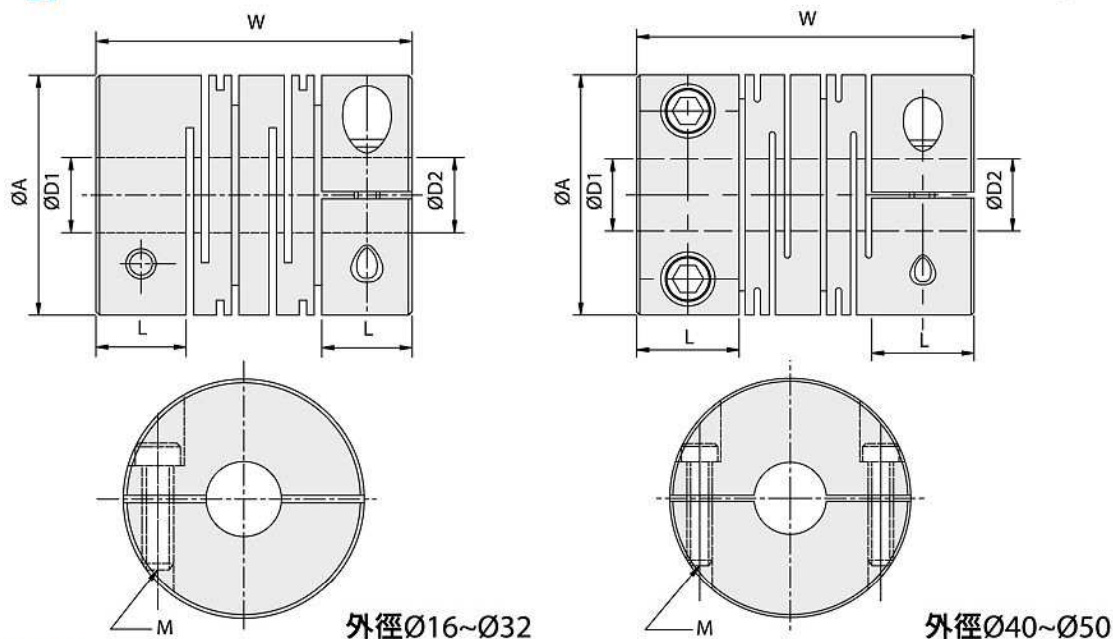
| Product No<br>產品編號 | Rated Torque<br>常用扭矩 (N.m) | Max. Torque<br>最大扭矩 (N.m) | Max. Rotational Frequency<br>最高迴轉數 (min <sup>-1</sup> ) | Moment* Of Inertia<br>慣性 (kg.m <sup>2</sup> ) | Error of Eccentricity<br>容許偏心量 (mm) | Error of Angularity<br>容許角偏差 (°) | Error of Shaft End-play<br>容許軸向位差 (mm) | Mass**<br>質量 (g) |
|--------------------|----------------------------|---------------------------|---------------------------------------------------------|-----------------------------------------------|-------------------------------------|----------------------------------|----------------------------------------|------------------|
| MFC-16C            | 0.3                        | 0.6                       | 9500                                                    | $3.5 \times 10^{-7}$                          | 0.10                                | 2°                               | ±0.4                                   | 9.1              |
| MFC-20C            | 0.5                        | 1.0                       | 7600                                                    | $8.7 \times 10^{-7}$                          | 0.10                                | 2°                               | ±0.4                                   | 16.5             |
| MFC-25C            | 1.1                        | 2.2                       | 6100                                                    | $2.2 \times 10^{-6}$                          | 0.15                                | 2°                               | ±0.5                                   | 29.0             |
| MFC-32C            | 2.0                        | 4.0                       | 4800                                                    | $9.1 \times 10^{-5}$                          | 0.15                                | 2°                               | ±0.5                                   | 67.0             |
| MFC-40C            | 5.0                        | 10.0                      | 3800                                                    | $2.9 \times 10^{-4}$                          | 0.20                                | 2°                               | ±0.5                                   | 138.0            |
| MFC-50C            | 10.0                       | 20.0                      | 3100                                                    | $1.3 \times 10^{-4}$                          | 0.20                                | 2°                               | ±0.5                                   | 260.0            |
| MFCS-16C           | 0.5                        | 1.0                       | 9500                                                    | $9.2 \times 10^{-7}$                          | 0.10                                | 2°                               | ±0.3                                   | 27.0             |
| MFCS-20C           | 1.0                        | 2.0                       | 7600                                                    | $2.5 \times 10^{-6}$                          | 0.10                                | 2°                               | ±0.3                                   | 45.0             |
| MFCS-25C           | 2.1                        | 4.2                       | 6100                                                    | $7.4 \times 10^{-6}$                          | 0.15                                | 2°                               | ±0.4                                   | 87.0             |
| MFCS-32C           | 3.5                        | 7.0                       | 4800                                                    | $2.7 \times 10^{-5}$                          | 0.15                                | 2°                               | ±0.5                                   | 180.0            |

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

\*\*Max. Bore Mass/最大孔徑時質量

## Clamp type

● MFC-C



## Dimension

unit:mm

| Product No<br>產品編號 | A  | L   | W  | Stock Bores<br>標準孔徑<br>D1×D2(公差 H8) |           | M    |
|--------------------|----|-----|----|-------------------------------------|-----------|------|
|                    |    |     |    | Min<br>D1                           | Max<br>D2 |      |
| MFC-16C            | 16 | 6.5 | 23 | 5                                   | 6         | M2.5 |
| MFC-20C            | 20 | 7.5 | 26 | 5                                   | 8         | M2.5 |
| MFC-25C            | 25 | 8.5 | 31 | 5                                   | 10        | M3   |
| MFC-32C            | 32 | 12  | 41 | 6                                   | 14        | M4   |
| MFC-40C            | 40 | 17  | 56 | 8                                   | 16        | M5   |
| MFC-50C            | 50 | 21  | 71 | 12                                  | 18        | M6   |
| MFCS-16C           | 16 | 6.5 | 23 | 5                                   | 6         | M2.5 |
| MFCS-20C           | 20 | 7.5 | 26 | 5                                   | 8         | M2.5 |
| MFCS-25C           | 25 | 8.5 | 31 | 5                                   | 10        | M3   |
| MFCS-32C           | 32 | 12  | 41 | 6                                   | 14        | M4   |

## When Ordering

When placing an order, make sure to include product no.  
And stock bores(both sides) of product.

## MFC-25C - Ø6 X Ø6

Product No      D1      D2