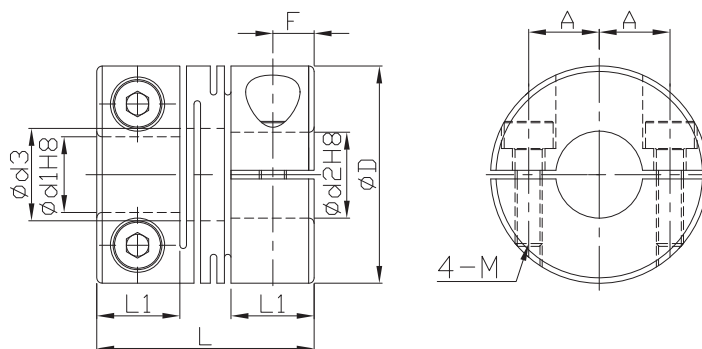


## FACMS



- Zero backlash.
- The flexure allowed by the beam portion of the coupling is capable of accommodating angular, and axial misalignment.
- No accommodating to parallel misalignment.
- High wrench torque rigidity and sensitivity.
- Rotation character of clockwise or anti-clockwise are exactly the same.
- Free maintenance, oil-resist and anti-corrosiveness.
- FACMS can't allow axial deviation caused by offset
- Offset of angular, parallel, or axial deviation are individual allowed value, so couple reasons of axial offset appearing at same time would reduce the unit allowable value.



$$*\text{Ød3}=\text{Ød2}+0.5$$

| Material       | Surface finish | Accessories    |
|----------------|----------------|----------------|
| Aluminum Alloy | Anodized       | Clamping screw |

| Dimensions |    | Ød1 | Ød2 |   |   |   |   |    |    |    | L  | L1   | M<br>Rough<br>thread | A   | F   |   |
|------------|----|-----|-----|---|---|---|---|----|----|----|----|------|----------------------|-----|-----|---|
| Model no.  | ØD |     | 4   | 5 | 6 | 7 | 8 | 10 | 12 | 14 |    |      |                      |     |     |   |
| FACMS      | 12 | 4   | ●   | ● |   |   |   |    |    |    | 14 | 5.2  | 2                    | 4   | 2.6 |   |
|            |    | 5   |     | ● |   |   |   |    |    |    |    |      |                      |     |     |   |
|            | 16 | 5   |     | ● | ● |   |   |    |    |    | 18 | 6.8  | 2.5                  | 5   | 3.4 |   |
|            |    | 6   |     |   | ● |   |   |    |    |    |    |      |                      |     |     |   |
|            | 20 | 5   |     |   | ● | ● | ● |    |    |    | 20 | 7.65 |                      | 6.5 | 3.8 |   |
|            |    | 6   |     |   | ● | ● | ● |    |    |    |    |      |                      |     |     |   |
|            |    | 8   |     |   |   |   | ● |    |    |    |    |      |                      |     |     |   |
|            | 25 | 5   |     |   | ● |   |   |    |    |    | 25 | 9.6  | 3                    | 9   | 4.8 |   |
|            |    | 6   |     |   | ● |   | ● | ●  |    |    |    |      |                      |     |     |   |
|            |    | 8   |     |   |   |   | ● | ●  |    |    |    |      |                      |     |     |   |
|            |    | 10  |     |   |   |   |   | ●  |    |    |    |      |                      |     |     |   |
|            | 32 | 8   |     |   |   |   | ● | ●  |    |    | 32 | 12.6 | 4                    | 11  | 6.3 |   |
|            |    | 10  |     |   |   |   |   | ●  | ●  | ●  |    |      |                      |     |     | ● |
|            |    | 12  |     |   |   |   |   |    | ●  | ●  |    |      |                      |     |     |   |

★ Moment of inertial torque and weight calculated by maximum diameter.

| Specification |    | Allowable<br>wrench<br>torque<br>(N·m) | Allowable misalignment |               | Static<br>torsional<br>stiffness<br>(N·m/rad) | Max.<br>RPM<br>(r/min <sup>-1</sup> ) | ★ Moment<br>of inertia<br>(kg·m <sup>2</sup> ) | Screw<br>fixing<br>torque<br>(N·m) | ★ Weight<br>(g) |
|---------------|----|----------------------------------------|------------------------|---------------|-----------------------------------------------|---------------------------------------|------------------------------------------------|------------------------------------|-----------------|
| Model no.     | ØD |                                        | Angular<br>(°)         | Axial<br>(mm) |                                               |                                       |                                                |                                    |                 |
| FACMS         | 12 | 0.4                                    | 1                      | ±0.1          | 80                                            | 12000                                 | 6.4*10 <sup>-8</sup>                           | 0.5                                | 3               |
|               | 16 | 0.5                                    |                        | ±0.2          | 180                                           | 9500                                  | 2.9*10 <sup>-7</sup>                           | 1                                  | 8               |
|               | 20 | 1                                      |                        |               | 200                                           | 7600                                  | 7.5*10 <sup>-7</sup>                           |                                    | 13              |
|               | 25 | 2                                      |                        |               | 780                                           | 6100                                  | 2.3*10 <sup>-6</sup>                           |                                    | 25              |
|               | 32 | 4                                      |                        |               | 1100                                          | 4800                                  | 8.1*10 <sup>-6</sup>                           |                                    | 53              |

Ordering Example:

FAMS25  
Model no.

8  
Ød1

10  
Ød2

100 PCS  
Q'ty