

# MFB Flexible Coupling - Bellows - type

WEB Selection Tool | WEB CAD Download | Zero Backlash | SUS Stainless steel

## Structure

- Set Screw type

**MFB** Aluminum alloy hub → P.198



**MFBS** Made of all stainless steel → P.198  
Hex Socket Set Screw



- Clamping type

**MFB-C** Aluminum alloy hub → P.198



**MFBS-C** Made of all stainless steel → P.198  
Hex Socket Head Cap Screw



- Applicable motors

	MFB	MFBS
Servomotor	-	-
Stepping motor	○	○
General-purpose motor	-	-

○: Excellent ○: Very good

- Property

	MFB	MFBS
Zero Backlash	○	○
Allowable Misalignment	○	○
Corrosion Resistance (All S.S.)	-	○

○: Excellent ○: Very good

- This is a bellows-type flexible coupling.
- The bellows allows the eccentricity, and angular misalignment, and end-play.
- Even if there is misalignment, the constant revolution is performed.
- There are two types of bellows: phosphor bronze type and stainless steel type.

- Application

Encoder

- Material/Finish

RoHS Compliant

	MFB / MFB-C	MFBS / MFBS-C
Hub	A2017 Alumite Treatment	SUS303
Bellows	C5191	SUS316L
Hex Socket Set Screw	SCM435 Ferrosoferric Oxide Film	SUSXM7
Hex Socket Head Cap Screw	SCM435 Ferrosoferric Oxide Film	SUSXM7

- Part number specification

### MFB-20C-6-8

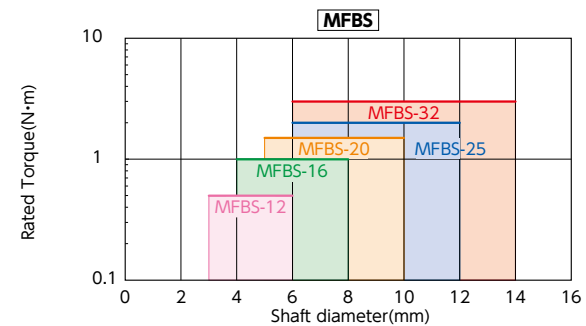
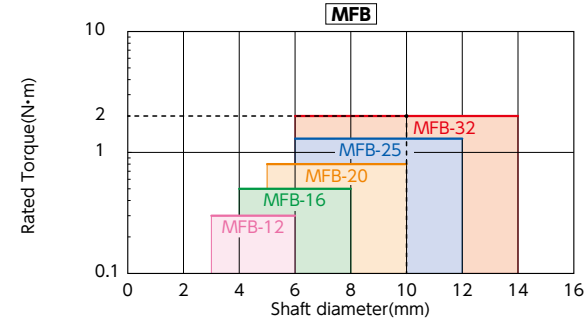
Product Code | Size | Bore Diameter

Please refer to dimensional table for part number specification.

## Selection

- Selection based on shaft diameter and rated torque

The area bounded by the shaft diameter and rated torque indicates is the selection size.



- Selection example

In case of selected parameters of shaft diameter of  $\phi$  10 and load torque of 2 N·m, the selected size for

**MFB MFBS-32**.



Additional Keyway at Shaft Hole → P.788  
Available / Add'l charge

Cleanroom Wash & Packaging → P.792  
Available / Add'l charge

SUS Change to Stainless Steel Screw → P.790  
Available / Add'l charge