

MFB/MFBS Flexible Couplings - Bellows Type

Zero Backlash Stainless steel

Structure

• Set Screw Type

MFB Aluminum alloy hub → P.xxxx



MFBS Made of all stainless steel → P.xxxx



• Clamping Type

MFB-C Aluminum alloy hub → P.xxxx



MFBS-C Made of all stainless steel → P.xxxx



• Applicable motors

	MFB	MFBS
Servomotor	●	●
Stepping Motor	○	○
General-purpose Motor	●	●

○: Very good ●: Available

• 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 eccentricity, 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



	MFB / MFB-C	MFBS / MFBS-C
Hub	A2017 Anodized	SUS303
Bellows	C5191	SUS316L
Hex Socket Set Screw	SCM435 Ferrosoferric Oxide Film (Black)	SUSXM7
Hex Socket Head Cap Screw	SCM435 Ferrosoferric Oxide Film (Black)	SUSXM7

• Part number specification

MFB-20C-6-8

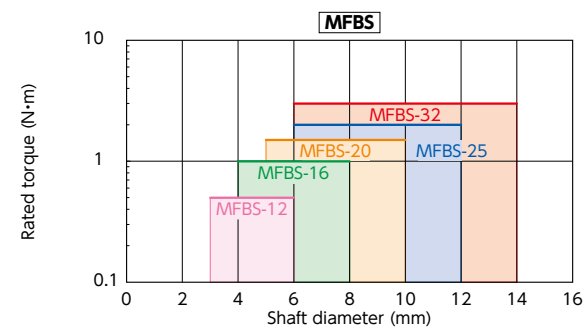
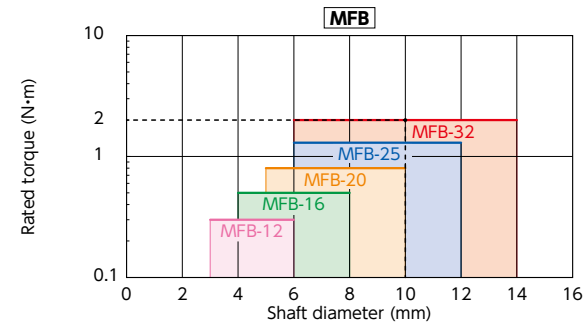
Product Code Size Bore Diameter

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 the selection size.



• Selection Example

In case of selected parameters of shaft diameter of ϕ 10 and load torque of $2 \text{ N} \cdot \text{m}$, the selected size for **MFB** **MFB-32**.



Additional Keyway at Shaft Hole → P.xxxx Available / Add'l charge Cleanroom Wash & Packaging → P.xxxx Not Available Change to Stainless Steel Screw → P.xxxx Please feel free to contact us