

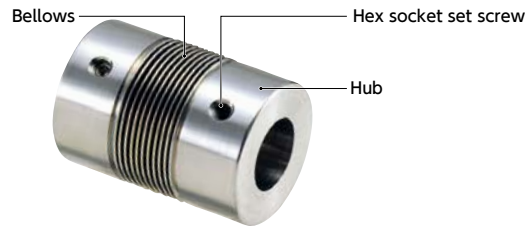
# MWBS Flexible Couplings - Bellows Type (High Precision Welding)

Zero Backlash High Allowable Misalignment SUS Stainless steel

## Structure

- Set Screw Type

MWBS → P.xxxx



## Property

	MWBS
Zero Backlash	⊙
Allowable Misalignment	⊙
Corrosion Resistance (All S.S.)	⊙

⊙: Excellent ○: Very good

- This is a bellows type flexible coupling.
- The crest and root of the bellows are bonded by special high precision welding.
- Thin metal plate molded with high precision allows higher misalignment to be accepted.
- Even if there is misalignment, the constant revolution is performed.

## Application

Measurement equipment / Control device / Encoder

## Material/Finish

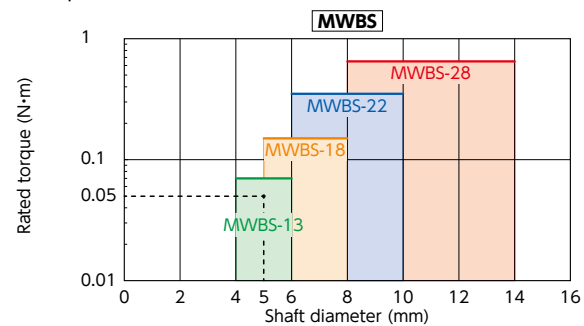


	MWBS
Hub	SUS304
Bellows	SUS316L
Hex Socket Set Screw	SUSXM7

## 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  $\phi$  5 and load torque of 0.05 N·m, the selection size for MWBS is MWBS-13.

### ● Part number specification

**MWBS-22-6-8**

Product Code    Size    Bore Diameter

## ● Related Products

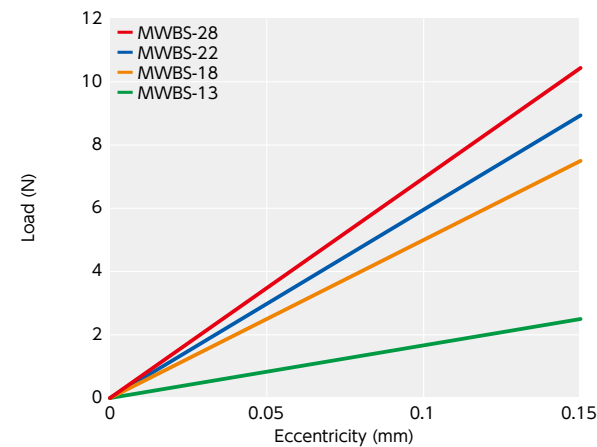
Completely custom-made super bellows coupling with high precision welded bellows can be manufactured.

→ P.xxxx

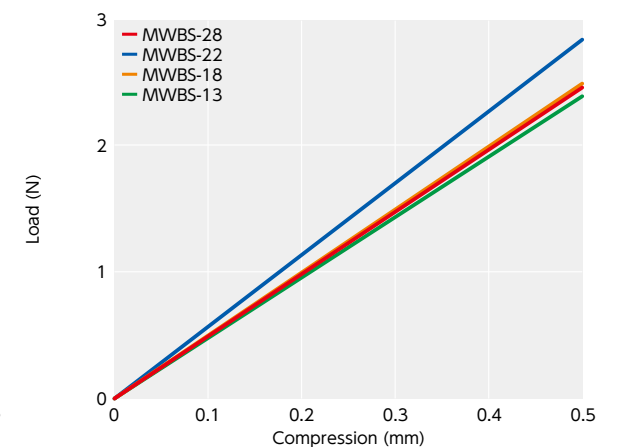


## ● Technical Information

### ● Eccentric Reaction Force



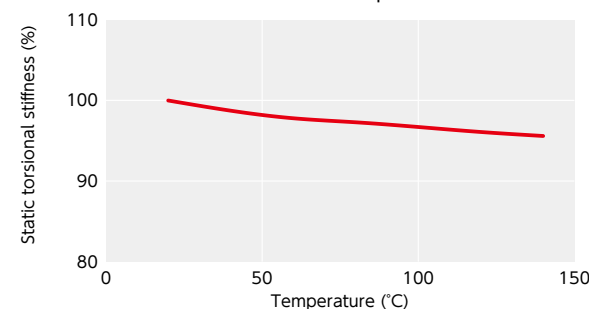
### ● Thrust reaction force



### ● Change in static torsional stiffness due to temperature

This is a value under the condition where the static torsional stiffness at 20°C is 100%.

The change of MWBS in torsional stiffness due to temperature is small and the change in responsiveness is extremely small. If the unit is used under higher temperature, be careful about misalignment due to elongation or deflection of the shaft associated with thermal expansion.



Additional Keyway at Shaft Hole → P.xxxx    Cleanroom Wash & Packaging → P.xxxx    Change to Stainless Steel Screw → P.xxxx  
 Please feel free to contact us    Available / Add'l charge    Changed to the S.S. screw