

MWS/MWSS Flexible Couplings - Slit Type

[WEB Selection Tool](#)
[WEB CAD Download](#)
[Zero Backlash](#)
[SUS Stainless steel](#)

Structure

- Set Screw Type → P.xxxx
 - MWS** Made of aluminum alloy
 - MWSS** Made of all stainless steel



- Clamping Type → P.xxxx
 - MWS-C** Made of aluminum alloy
 - MWSS-C** Made of all stainless steel



Recommended Applicable Motor

	MWS	MWSS
Servomotor	●	●
Stepping Motor	○	○
General-purpose Motor	●	●

○: Excellent ○: Very good ●: Available

Property

	MWS	MWSS
Zero Backlash	○	○
High Torque	○	○
High Torsional Stiffness	○	○
Corrosion Resistance (All S.S.)	-	○

○: Excellent ○: Very good

- This is a metal spring coupling with single-piece construction. A slit is inserted into a cylindrical material.
- A plate spring formed by a slit allows angular misalignment, and end-play to be accepted.
- There are two types of units made of aluminum alloy or all stainless steel.

Application

Transport device / XY stage / Parts feeder

Material/Finish

RoHS2 Compliant

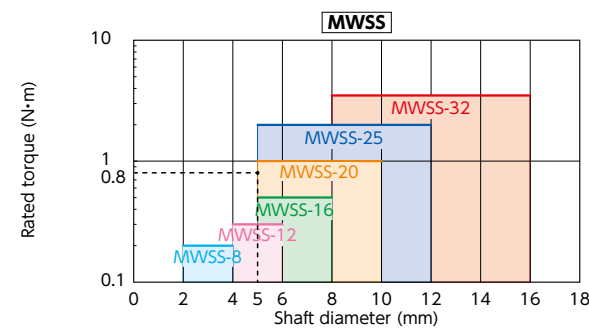
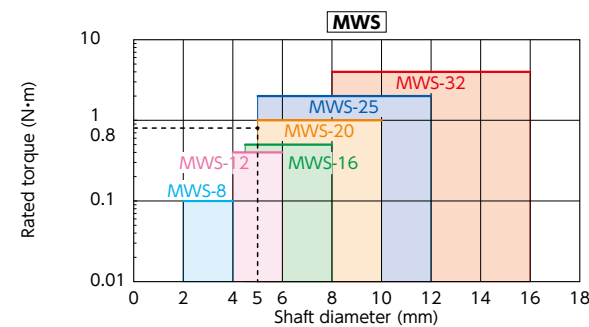
	MWS / MWS-C	MWSS / MWSS-C
Main Body	A2017 Anodized	SUS303
Hex Socket Set Screw	SCM435 Ferrosferric Oxide Film (Black)	SUSXM7
Hex Socket Head Cap Screw	SCM435 Ferrosferric Oxide Film (Black)	SUSXM7



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 ϕ 5 and load torque of 0.8 N·m, the selected size for **MWS** **MWSS** is **MWS-20** **MWSS-20**.

Related Products

A slit-type coupling **XWSS-C** SUS316L material finished with clean washing and clean packaging, which is best suited to FPD and semiconductor manufacturing equipment, is



Part number specification

MWS-20C-5-6

Product Code Size Bore Diameter

Please refer to dimensional table for part number specification.

[Additional Keyway at Shaft Hole → P.xxxx](#)
[Cleanroom Wash & Packaging → P.xxxx](#)
[Change to Stainless Steel Screw → P.xxxx](#)