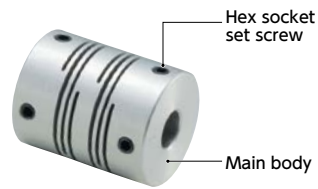


MST/MSTS Flexible Couplings - Slit Type

WEB Selection Tool CAD Download 0 Zero Backlash SUS Stainless steel

Structure

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



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



MSTS-C
Outside diameter φ12 - φ32



- Set Screws + Key Type → P.xxxx
 - MST-K** Made of aluminum alloy



MSTS-K Made of all stainless steel



- Part number specification

MST-32K-12-12

Product Code Size Bore Diameter

Please refer to dimensional table for part number specification.

- Recommended Applicable Motor

	MST	MSTS
Servomotor	●	●
Stepping Motor	○	○
General-purpose Motor	●	●

○: Excellent ○: Very good ●: Available

- Property

	MST	MSTS
Zero Backlash	○	○
High Torque	○	○
High Torsional Stiffness	○	○
Allowable Misalignment	○	○
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 eccentricity, angular misalignment, and end-play to be accepted.
- There are two types of units made of aluminum alloy or all stainless steel.
- Wide variation of outside diameter φ 8 - φ 63.

- Application

Transport device / XY stage / Parts feeder

- Material/Finish

RoHS2 Compliant

	MST / MST-C / MST-K	MSTS / MSTS-C / MSTS-K
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

- Related Products

Slit-type flexible coupling **MSX** with excellent torsional stiffness is available.
→ P.xxxx



XSTS-C SUS316L material finished with clean washing and clean packaging, which is best suited for FPD and semiconductor manufacturing equipment, is available.
→ P.xxxx

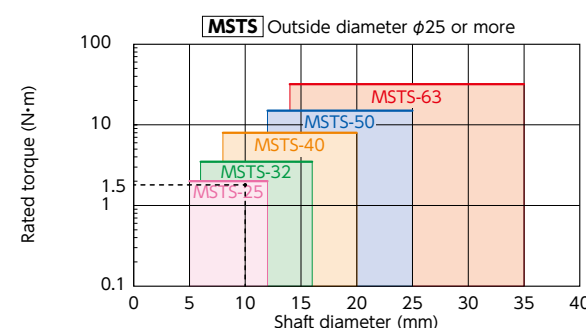
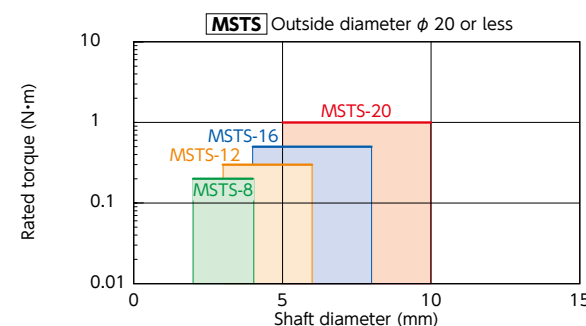
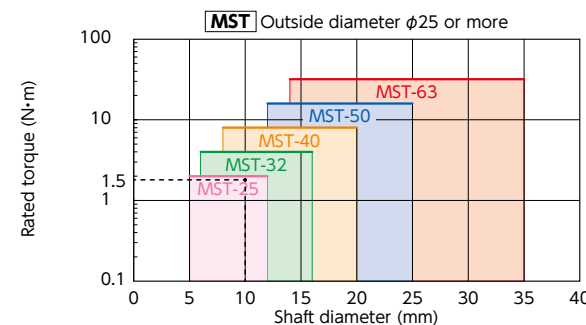
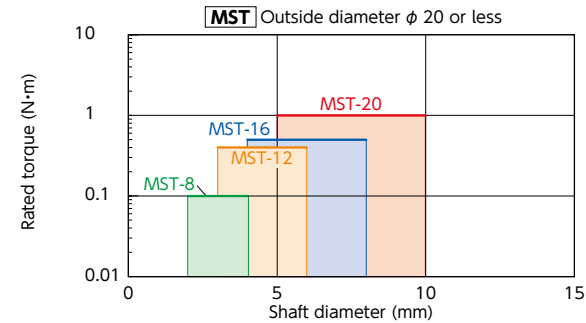


Selection

- Selection Based on Shaft Diameter and Rated Torque
The area bounded by the shaft diameter and rated torque indicates the selection size.



GOOD DESIGN



- Selection Example
In case of selected parameters of shaft diameter of φ 10 and load torque of 1.5 N·m, the selected size for **MST** **MSTS** is **MST-25** **MSTS-25**