Couplings

High-Gain Rubber Couplings

Disk Couplings

Slit Couplings

Jaw Couplings

Cross Joint Couplings

Oldham Couplings

Bellows Couplings

Serration Couplings

Rigid Couplings

Cleanroom,Vacuum, Heat Resistant

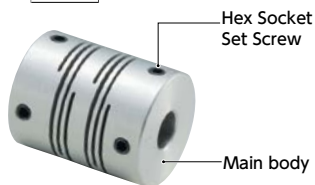Flexus

Mechanical Parts

Terminology/ Mounting

MST / MSTS Flexible coupling - Slit - type

WEB Selection Tool   WEB CAD Download   ⌐0⌐ Zero Backlash   SUS Stainless steel

Structure

- Set Screw type ➡ P.112
  - **MST** Made of aluminum alloy
  - **MSTS** Made of all stainless steel

  Hex Socket Set Screw

  Main body

- Clamping type ➡ P.114
  - **MST-C** Made of aluminum alloy
  - **MSTS-C** Made of all stainless steel
  - Outside diameter φ40 - φ63

  MSTS-C
  Outside diameter φ 12 - φ 32

  Hex Socket Head Cap Screw

- Set Screw + Key type ➡ P.116
  - **MST-K** Made of aluminum alloy

  MSTS-K Made of all stainless steel

● Applicable motors

	MST	MSTS
Servomotor	–	–
Stepping motor	◎	◎
General-purpose motor	◎	◎

◎: Excellent ○: Very good

● 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. Slits are made into a cylindrical material.
- A plate spring formed by slits 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   🌿 RoHS Compliant

	MST / MST-C / MST-K	MSTS / MSTS-C / MSTS-K
Main Body	A2017 Alumite Treatment	SUS303
Hex Socket Set Screw	SCM435 Ferrosoferric oxide film	SUSXM7
Hex Socket Head Cap Screw	SCM435 Ferrosoferric oxide film	SUSXM7

● Related Products

Slit-type flexible coupling **MSX** with excellent torsional stiffness is available.
➡ P.100

XSTS SUS316L material finished with clean washing and clean packaging, which is best suited for FPD and semiconductor manufacturing equipment, is available.
➡ P.226

● Part number specification

MST - 32K - 12-12

Product Code   Size   Bore Diameter

Please refer to dimensional table for part number specification.

🔵 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