MSH Flexible Couplings - Beam Type

Zero Backlash

Structure

Outside diameter ϕ8

Outside diameter ϕ13 - ϕ32

● Material/Finish

RoHS

	MSH
Main Body	A7075 Anodized
Hex Socket Set Screw	SCM435 Ferrosoferric Oxide Film (Black)
Hex Socket Head Cap Screw	SCM435 Ferrosoferric Oxide Film (Black)

● Applicable motors

	MSH
Servomotor	●
Stepping Motor	◎
General-purpose Motor	●

◎: Excellent ●: Available

● Property

	MSH
Zero Backlash	◎
Allowable Misalignment	◎
Small Eccentric Reaction Force	◎

◎: Excellent ○: Very good

- This is a metal spring coupling with single-piece construction. A spiral-shaped slit is inserted into a cylindrical material.
- Because there is no backlash and the flexibility is excellent, it is suited to use at low torque for encoders, etc.
- The eccentric reaction force is minimal. It reduces burden on the shaft and helps prevent equipment damage.
- Metric and inch size bore diameters are available as standard.
- The structure is simple, enabling easy separation.

● Application

Transport devices / actuators / optical equipment / encoders

● Part number specification

MSH-26C-1/4-8

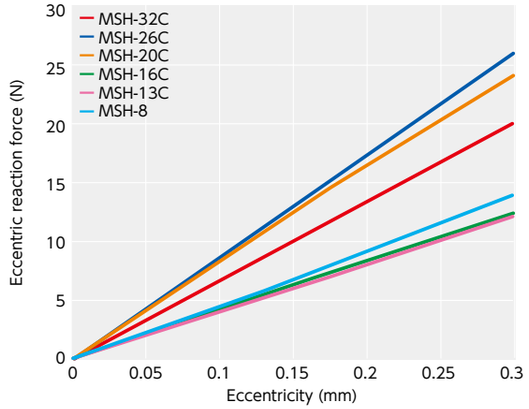
Product Symbol | Size | Bore Diameter

Please refer to dimensional table for part number specification.

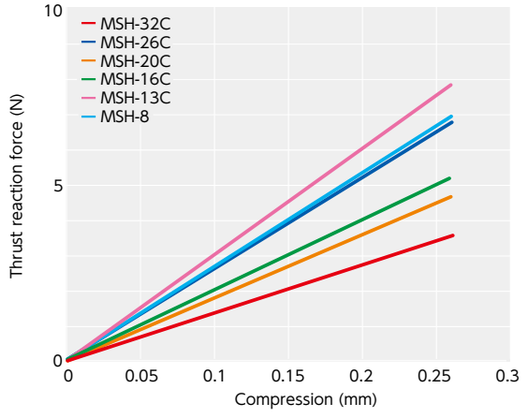
Additional Keyway at Shaft Hole ➡ P.xxxx	Cleanroom Wash & Packaging ➡ P.xxxx	Change to Stainless Steel Screw ➡ P.xxxx
Bore additional modification only/ Add'l charge	Please combine with Stainless Steel Screw Alteration Service	Available / Add'l charge

Technical Information

Eccentric Reaction Force



Thrust Reaction Force



● Slip Torque

As in the table below, the clamping types **MSH-C** have different slip torque according to the bore diameter. Take care during selection.

Unit : N・m

Part Number	Bore Diameter (mm)							
	3	3.175	3.97	4	4.76	5	6	9.525
MSH-13C	0.3	0.3						
MSH-16C	0.4	0.3	0.3	0.5	0.3	0.3		
MSH-20C	0.4	0.6	0.8	0.6	0.9			
MSH-26C						2.6	3.3	
MSH-32C								5.2

- These are test values based on the conditions of screw tightening torque of the values described in **MSH-C** dimension tables. They are not guaranteed values.
- Slip torque changes with usage conditions. Carry out tests under conditions similar to actual conditions in advance.