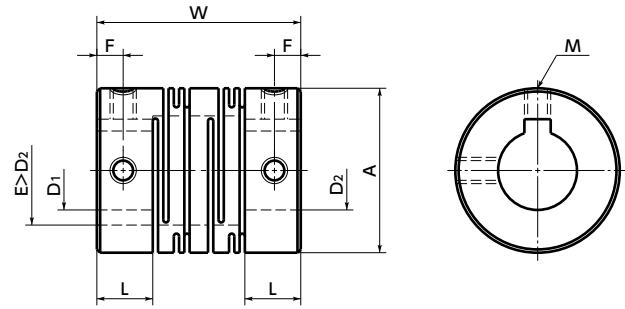


MST-K/MSTS-K Flexible Couplings - Slit Type - Set Screw + Key Type

Zero Backlash SUS Stainless steel

MST-K Made of aluminum alloy
MSTS-K Made of all stainless steel



Dimensions

Unit : mm

Part Number	A	L	W	F	M	Screw Tightening Torque (N·m)
MST-32K	32	12	41	6	M4	1.7
MST-40K	40	17	56	8.5	M5	4
MST-50K	50	21	71	10.5	M6	7
MST-63K	63	26	90	13	M8	15
MSTS-32K	32	12	41	6	M4	1.7
MSTS-40K	40	17	56	8.5	M5	4
MSTS-50K	50	21	71	10.5	M6	7
MSTS-63K	63	26	90	13	M8	15

Part Number	Standard Bore Diameter (Dimensional Allowance H8) D1-D2	
MST-32K	12 - 12	14 - 14
MST-40K	14 - 14	16 - 16
MST-50K	16 - 16	18 - 18
MST-63K	20 - 20	25 - 25
MSTS-32K	12 - 12	14 - 14
MSTS-40K	14 - 14	16 - 16
MSTS-50K	16 - 16	18 - 18
MSTS-63K	20 - 20	25 - 25

- All products are provided with hex socket set screws.
- Recommended tolerance for shaft diameters is h6 and h7.
- For the shaft insertion amount to the coupling, see Mounting/maintenance.

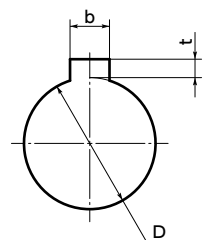
Performance

Part Number	Max. Bore Diameter (mm)	Rated Torque *1 (N·m)	Max. Rotational Frequency (min ⁻¹)	Moment *2 of Inertia (kg·m ²)	Static Torsional Stiffness (N·m/rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Max. Axial Misalignment (mm)	Mass *2 (g)
MST-32K	14	4	19000	9.6×10 ⁻⁶	500	0.15	2	±0.5	59
MST-40K	18	8	15000	3.2×10 ⁻⁵	700	0.2	2	±0.5	130
MST-50K	20	16	12000	1.0×10 ⁻⁴	1800	0.2	2	±0.5	270
MST-63K	30	32	10000	3.2×10 ⁻⁴	3100	0.2	2	±0.5	490
MSTS-32K	14	3.5	19000	2.6×10 ⁻⁵	850	0.15	2	±0.5	160
MSTS-40K	18	8	15000	8.6×10 ⁻⁵	1000	0.2	2	±0.5	340
MSTS-50K	20	15	12000	2.8×10 ⁻⁴	1400	0.2	2	±0.5	730
MSTS-63K	30	35	10000	8.5×10 ⁻⁴	1800	0.2	2	±0.5	1300

*1: Correction of rated torque due to load fluctuation is not required.

*2: These are values with max. bore diameter.

• Details of Shaft Hole



Unit : mm

Standard Bore Diameter D	Keyway				Key Nominal Dimension b x h
	b Standard Dimension	Allowance (JS9)	t Standard Dimension	Allowance	
12	4	±0.0150	1.8	0 - +0.1	4 × 4
14 · 16	5	±0.0150	2.3	0 - +0.1	5 × 5
18 · 20	6	±0.0150	2.8	0 - +0.1	6 × 6
25 · 30	8	±0.0180	3.3	0 - +0.2	8 × 7

• Excerpt from JIS B 1301

Additional Keyway at Shaft Hole → P. xxxx | Cleanroom Wash & Packaging → P. xxxx | SUS Change to Stainless Steel Screw → P. xxxx
 Please feel free to contact us | Please feel free to contact us | Please feel free to contact us

• Part number specification

MST-32K-12-12

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