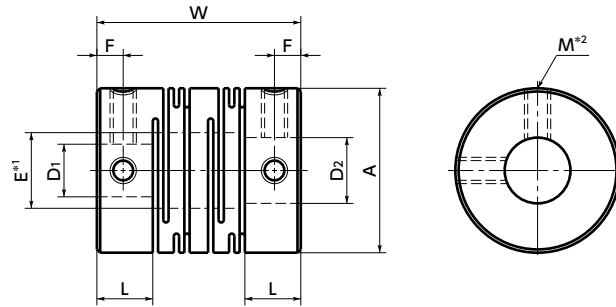


MST/MSTS Flexible Couplings - Slit Type - Set Screw Type

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

MST Made of aluminum alloy
MSTS Made of all stainless steel



*1 : $E=D_2(D_2<6)$
 $E=D_2+0.5(D_2\geq 6)$
 *2 : In a case where the bore diameter is $\phi 4$ or less, the set screw is used in only one place.

Dimensions

Unit : mm

Part Number	A	L	W	F	M	Screw Tightening Torque (N·m)
MST-8	8	3.5	14	1.7	M2	0.3
MST-12	12	5	18.5	2.5	M2.5	0.5
MST-16	16	6.5	23	3	M3	0.7
MST-20	20	7.5	26	3	M3	0.7
MST-25	25	8.5	31	4	M4	1.7
MST-32	32	12	41	6	M4	1.7
MST-40	40	17	56	8.5	M5	4
MST-50	50	21	71	10.5	M6	7
MST-63	63	26	90	13	M8	15
MSTS-8	8	3.5	14	1.7	M2	0.3
MSTS-12	12	5	18.5	2.5	M2.5	0.5
MSTS-16	16	6.5	23	3	M3	0.7
MSTS-20	20	7.5	26	3	M3	0.7
MSTS-25	25	8.5	31	4	M4	1.7
MSTS-32	32	12	41	6	M4	1.7
MSTS-40	40	17	56	8.5	M5	4
MSTS-50	50	21	71	10.5	M6	7
MSTS-63	63	26	90	13	M8	15

Part Number	Standard Bore Diameter (Dimensional Allowance H8) D1-D2								
MST-8	MSTS-8	2 - 2	2 - 3	3 - 3					
MST-12	MSTS-12	3 - 3	3 - 4	4 - 4	4 - 5	4.5 - 5	5 - 5	5 - 6	
MST-16	MSTS-16	4 - 4 6 - 6.35	4 - 5 6 - 7	4 - 6 6 - 8	4.5 - 5 6.35 - 8	5 - 5	5 - 6	5 - 8	6 - 6
MST-20	MSTS-20	5 - 5 6.35 - 8	5 - 6 8 - 8	5 - 8 8 - 9.525*1	6 - 6 8 - 10	6 - 6.35 10 - 10	6 - 7	6 - 8	6 - 10
MST-25	MSTS-25	5 - 6 8 - 9.525*1	6 - 6 8 - 10	6 - 6.35 8 - 12	6 - 8 9.525 - 10	6 - 10 10 - 10	6.35 - 8 10 - 11*1	6.35 - 10 10 - 12	8 - 8 12 - 12
MST-32	MSTS-32	6 - 8 10 - 12	6.35 - 8 10 - 14	8 - 8 12 - 12	8 - 10 12 - 14	8 - 12 14 - 14	9.525 - 12 14 - 16	10 - 10	10 - 11
MST-40	MSTS-40	8 - 9.525	10 - 10	12 - 12	14 - 14	15 - 15	16 - 16	16 - 18*1	18 - 18
MST-50	MSTS-50	12 - 12	14 - 14	15 - 15	16 - 18				
MST-63	MSTS-63	14 - 14							

- All products are provided with hex socket set screws.
- Recommended tolerance for shaft diameters is h6 and h7.
- *1: Only **MSTS-*** is a standard product. For **MST-***, use the additional modification service **BT**. → P.xxxx

Additional Keyway at Shaft Hole → P.xxxx | Cleanroom Wash & Packaging → P.xxxx | SUS Change to Stainless Steel Screw → P.xxxx
 Bore additional modification only/ Add'l charge Please feel free to contact us | Please feel free to contact us

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-8	4	0.1	78000	1.2×10 ⁻⁸	25	0.1	2	±0.2	1.4
MST-12	6	0.4	52000	8.3×10 ⁻⁸	45	0.1	2	±0.3	3.7
MST-16	8	0.5	39000	3.3×10 ⁻⁷	80	0.1	2	±0.4	8.1
MST-20	10	1	31000	9.0×10 ⁻⁷	170	0.1	2	±0.4	14
MST-25	12	2	25000	2.6×10 ⁻⁶	380	0.15	2	±0.5	27
MST-32	16	4	19000	9.6×10 ⁻⁶	500	0.15	2	±0.5	60
MST-40	20	8	15000	3.2×10 ⁻⁵	700	0.2	2	±0.5	130
MST-50	25	16	12000	1.0×10 ⁻⁴	1800	0.2	2	±0.5	260
MST-63	35	32	10000	3.2×10 ⁻⁴	3100	0.2	2	±0.5	490
MSTS-8	4	0.2	78000	3.1×10 ⁻⁸	50	0.1	2	±0.2	3
MSTS-12	6	0.3	52000	2.1×10 ⁻⁷	64	0.1	2	±0.3	9.3
MSTS-16	8	0.5	39000	8.4×10 ⁻⁷	85	0.1	2	±0.3	21
MSTS-20	10	1	31000	2.4×10 ⁻⁶	250	0.1	2	±0.3	38
MSTS-25	12	2	25000	6.8×10 ⁻⁶	330	0.15	2	±0.4	71
MSTS-32	16	3.5	19000	2.6×10 ⁻⁵	850	0.15	2	±0.5	160
MSTS-40	20	8	15000	8.7×10 ⁻⁵	1000	0.2	2	±0.5	350
MSTS-50	25	15	12000	2.7×10 ⁻⁴	1400	0.2	2	±0.5	700
MSTS-63	35	35	10000	8.4×10 ⁻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.

- Part number specification

MSTS-25-9.525-10

