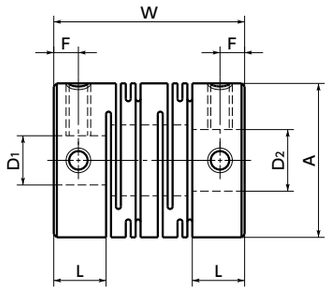
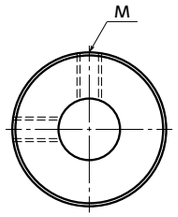
MST/MSTS Flexible coupling - Slit - type - Set screw type

WEB Selection Tool　WEB CAD Download　Zero Backlash　SUS Stainless steel

MST Made of aluminum alloy
MSTS Made of all stainless steel





Dimensions

Unit : mm

Part Number 1	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) D_1-D_2 2							
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 screw.
- In a case where the bore diameter is ϕ 4 or less, the set screw is used in only one place.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.

*1 Only MSTS-** is standard product. For MST-** , use the additional modification service BT. ➡ P.788

Additional Keyway at Shaft Hole ➡ P.788	Cleanroom Wash & Packaging ➡ P.792	Change to Stainless Steel Screw ➡ P.790
Available / Add'l charge	Available / Add'l charge	Available / Add'l charge

Performance

Part Number	Max. Bore Diameter (mm)	Rated*1 torque (N・m)	Max.*1 torque (N・m)	Max. Rotational Frequency (min^{-1})	Moment*2 of Inertia ($kg \cdot m^2$)	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	0.2	78000	1.2×10^{-8}	25	0.1	2	±0.2	1.4
MST-12	6	0.4	0.8	52000	8.3×10^{-8}	45	0.1	2	±0.3	3.7
MST-16	8	0.5	1	39000	3.3×10^{-7}	80	0.1	2	±0.4	8.1
MST-20	10	1	2	31000	9.0×10^{-7}	170	0.1	2	±0.4	14
MST-25	12	2	4	25000	2.6×10^{-6}	380	0.15	2	±0.5	27
MST-32	16	4	8	19000	9.6×10^{-6}	500	0.15	2	±0.5	60
MST-40	20	8	16	15000	3.2×10^{-5}	700	0.2	2	±0.5	130
MST-50	25	16	32	12000	1.0×10^{-4}	1800	0.2	2	±0.5	260
MST-63	35	32	64	10000	3.2×10^{-4}	3100	0.2	2	±0.5	490
MSTS-8	4	0.2	0.4	78000	3.1×10^{-8}	50	0.1	2	±0.2	3
MSTS-12	6	0.3	0.6	52000	2.1×10^{-7}	64	0.1	2	±0.3	9.3
MSTS-16	8	0.5	1	39000	8.4×10^{-7}	85	0.1	2	±0.3	21
MSTS-20	10	1	2	31000	2.4×10^{-6}	250	0.1	2	±0.3	38
MSTS-25	12	2	4	25000	6.8×10^{-6}	330	0.15	2	±0.4	71
MSTS-32	16	3.5	7	19000	2.6×10^{-5}	850	0.15	2	±0.5	160
MSTS-40	20	8	16	15000	8.7×10^{-5}	1000	0.2	2	±0.5	350
MSTS-50	25	15	30	12000	2.7×10^{-4}	1400	0.2	2	±0.5	700
MSTS-63	35	35	70	10000	8.4×10^{-4}	1800	0.2	2	±0.5	1300

*1 Correction of rated torque and max. torque due to load fluctuation is not required.
*2 These are values with max. bore diameter.

- Part number specification

MSTS-25 - 9.525-10
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