



Miniature Cross Joint Type Flexible Coupling



Features

- High torsional stiffness and excellent response
- Slippage between bushes and pins allows high parallel and angular misalignments
- Almost zero backlash achieved by precise fit of pins and bushes
- Minimized load derived from misalignments on shafts
- Identical clockwise and anticlockwise rotational characteristics
- Maintenance free, excellent resistance to oil and chemicals
- Finished bore product-Models featuring two different end bores also in stock

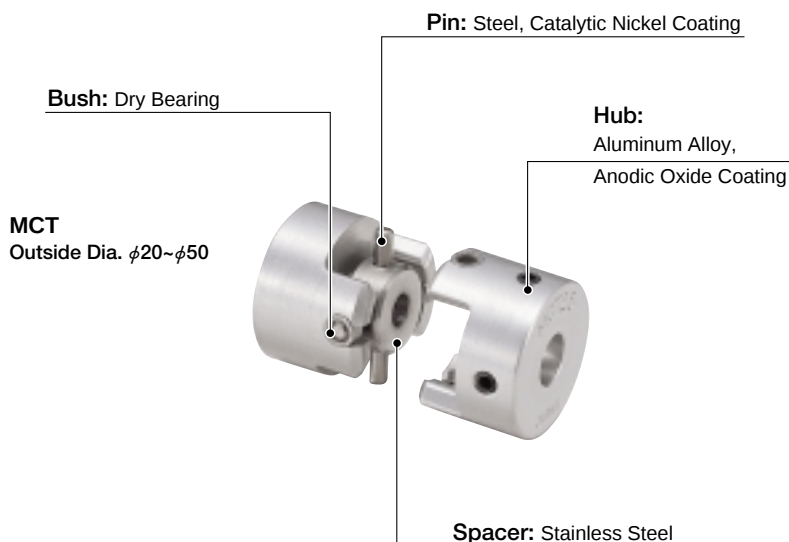
When Ordering

- Specify product No. and both bore diameters.

MCT-25- $\phi 6 \times \phi 8$

Product No. D1 D2

Configuration & Material



Setscrew Type

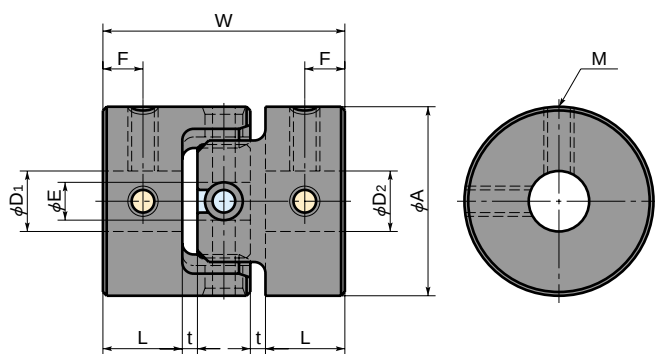
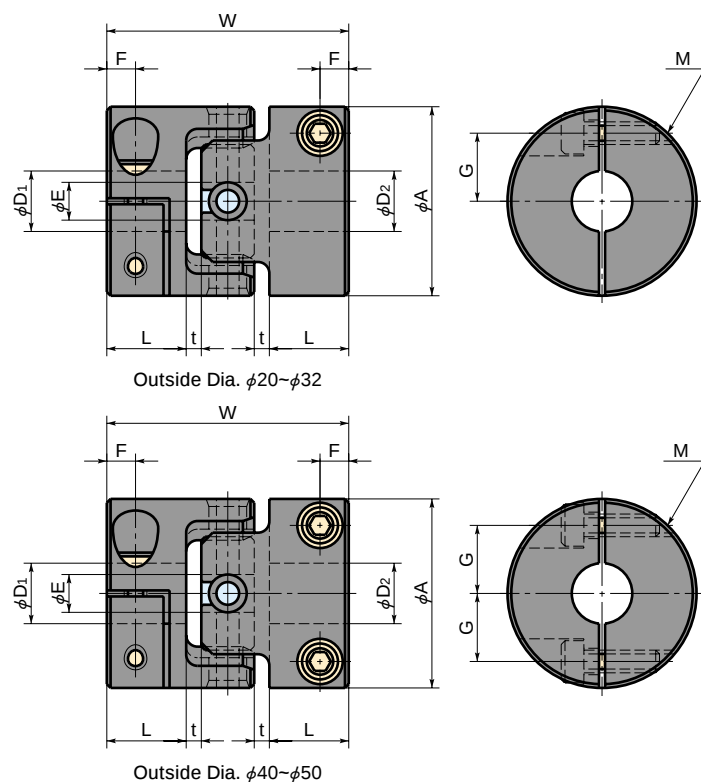


MCT-C
Outside Dia. $\phi 20 \sim \phi 32$



MCT-C
Outside Dia. $\phi 40 \sim \phi 50$

Clamp Type

MCT Setscrew Type**MCT-C** Clamp Type**Dimensions**

unit: mm

Catalog Number		A	L	W	t	E	F	G	M	Wrench Torque (N·m)	Stock Bores													
											D1-D2													
											4.5	5	6	7	8	10	11	12	14	15	16	18	19	20
MCT-20		20	8.5	24	0.5	5	4.5	—	M3	0.7	●	●	●	●	●	●								
MCT-25		25	10.5	32	2	5	5.3	—	M4	1.7			●	●	●	●								
MCT-32		32	13.5	40	2	8	6.8	—	M4	1.7				●	●	●	●	●						
MCT-40		40	16	47	2	10	8	—	M5	4							●	●	●	●				
MCT-50		50	21.5	60	2	14	10.8	—	M6	7									●	●	●	●	●	●
MCT-20C		20	8.5	24	0.5	5	3	6.5	M2.5	1	●	●	●	●	●									
MCT-25C		25	10.5	32	2	5	3.8	9	M3	1.5			●	●	●	●								
MCT-32C		32	13.5	40	2	8	4.5	11	M4	2.5				●	●	●	●	●						
MCT-40C		40	16	47	2	10	7	13	M5	4							●	●	●	●				
MCT-50C		50	21.5	60	2	14	8	16	M6	8										●	●	●	●	●

- All products come with setscrews (MCT) and cap screws (MCT-C).
- Tolerance on shaft bores of setscrew type coupling is H8.
- Recommended tolerance on shaft diameters is h6 and h7.
- Non-standard shaft bores and keyways are machined on request. Please contact us.

Specifications

Catalog Number	Max. Bore (mm)	Rated Torque (N·m)	Max. Torque (N·m)	Max. Rotational Frequency (min ⁻¹)	Moment* of Inertia (kg·m ²)	Static Torsional Stiffness (N·m/rad)	Errors of Eccentricity (mm)	Errors of Angularity (°)	Mass* (g)
MCT-20	10	0.5	1	7600	1.0×10 ⁻⁶	170	0.3	2	19
MCT-25	12	1	2	6100	3.1×10 ⁻⁶	490	0.5	3	33
MCT-32	16	2	4	4800	1.0×10 ⁻⁵	820	0.5	3	68
MCT-40	20	5	10	3800	3.0×10 ⁻⁵	1000	0.5	3	130
MCT-50	25	10	20	3100	9.6×10 ⁻⁵	2000	0.5	3	260
MCT-20C	8	0.5	1	7600	1.0×10 ⁻⁶	170	0.3	2	19
MCT-25C	10	1	2	6100	2.8×10 ⁻⁶	490	0.5	3	32
MCT-32C	14	2	4	4800	1.0×10 ⁻⁵	820	0.5	3	68
MCT-40C	16	5	10	3800	2.9×10 ⁻⁵	1000	0.5	3	130
MCT-50C	20	10	20	3100	9.1×10 ⁻⁵	2000	0.5	3	250

* Moment of inertia and mass figures based on the maximum shaft bores.