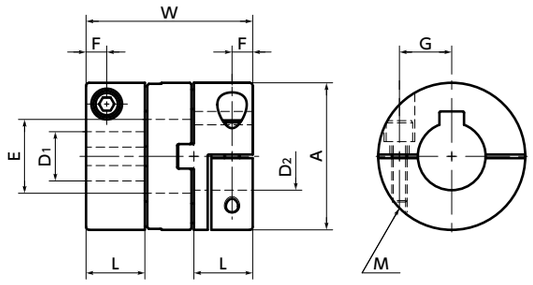
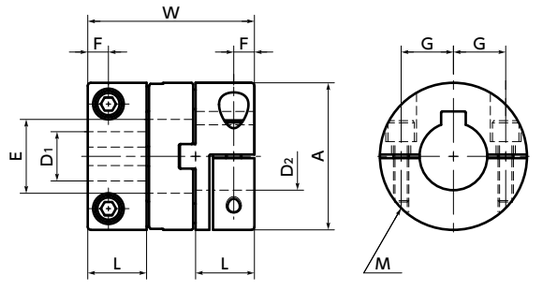
MOM-CK Flexible Couplings - Oldham Type - Clamping + Key Type

High torque High Rigidity

MOM-CK



Outside diameter ϕ15 - ϕ38



Outside diameter: ϕ45 - ϕ70

Dimensions

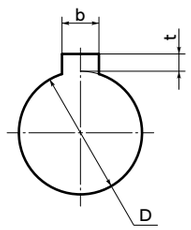
Unit : mm

Part Number [1]	A	L	W	E	F	G	M	Screw Tightening Torque (N・m)
MOM-15CK	15	6.6	19	6.9	2.15	5.2	M1.6	0.25
MOM-17CK	17	9	25	7.3	2.65	5.5	M2	0.5
MOM-20CK	20	10	28	11.1	3.25	7.25	M2.5	1
MOM-26CK	26	11.5	31.6	13.3	4	9	M3	1.5
MOM-30CK	30	12	34	15.5	4	11	M3	1.5
MOM-34CK	34	13	35	17.5	4.5	12	M4	3.5
MOM-38CK	38	15	40.5	21.5	4.75	14	M4	3.5
MOM-45CK	45	16.2	47.6	24.3	6.2	16	M5	8
MOM-55CK	55	20.8	58.6	27.7	7.9	20	M6	13
MOM-70CK	70	25	68.6	38.5	8.9	26	M6	13

Part Number	Standard Bore Diameter D_1/D_2 [2]															
	6	6.35	8	10	12	14	15	16	18	20	22	24	25	28	30	35
MOM-15CK	●															
MOM-17CK	●															
MOM-20CK	●	●	●	●												
MOM-26CK	●	●	●	●	●											
MOM-30CK			●	●	●	●										
MOM-34CK				●	●	●	●	●								
MOM-38CK				●	●	●	●	●	●	●						
MOM-45CK					●	●	●	●	●	●	●					
MOM-55CK							●	●	●	●	●	●	●			
MOM-70CK									●	●	●	●	●	●	●	●

- All products are provided with hex socket head cap screw.
- Recommended tolerance for shaft diameters is h6 and h7.
- A set of hubs with clamping + key type for one side and clamping type for the other side is available upon request.
- For the shaft insertion amount to the coupling, see Mounting/maintenance.

● Details of Shaft Hole



Unit : mm

Standard Bore Diameter D	Keyway				Key
	b		t		Nominal Dimension b x h
	Standard Dimension	Allowance (JS9)	Standard Dimension	Allowance	
6・6.35	2	±0.0125	1.0	0 - +0.1	2 × 2
8	3	±0.0125	1.4	0 - +0.1	3 × 3
10・12	4	±0.0150	1.8	0 - +0.1	4 × 4
14・15・16	5	±0.0150	2.3	0 - +0.1	5 × 5
18・20・22	6	±0.0150	2.8	0 - +0.1	6 × 6
24・25・28・30	8	±0.0180	3.3	0 - +0.2	8 × 7
35	10	±0.0180	3.3	0 - +0.2	10 × 8

- Excerpt from JIS B 1301

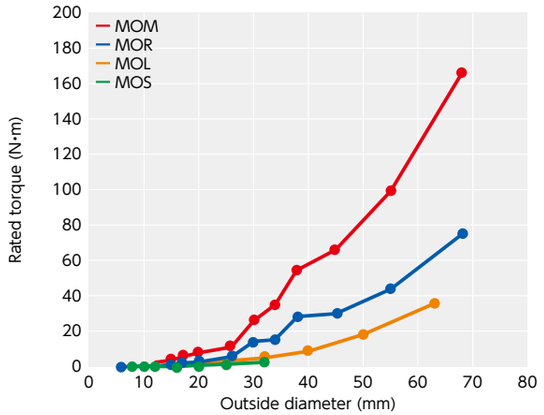
Additional Keyway at Shaft Hole ➡ P.xxxx	Cleanroom Wash & Packaging ➡ P.xxxx	Change to Stainless Steel Screw ➡ P.xxxx
Please feel free to contact us	Not Available	Not Available

Performance

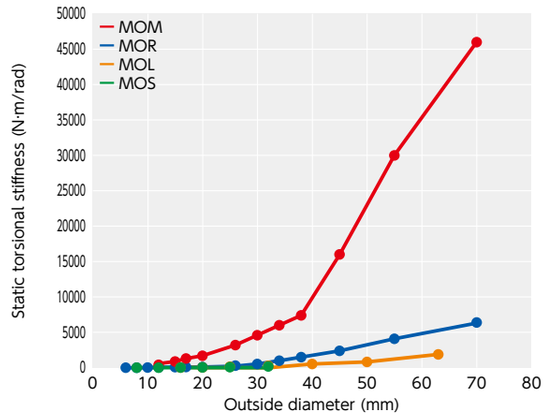
Part Number	Max. Bore Diameter (mm)	Rated Torque *1 (N・m)	Maximum Torque *1 (N・m)	Max. Rotational Frequency (min^{-1})	Moment *2 of Inertia ($kg・m^2$)	Static Torsional Stiffness (N・m/rad)	Max. Lateral Misalignment *3 (mm)	Max. Angular Misalignment (°)	Mass *2 (g)
MOM-15CK	6	3.3	6.6	2000	6.1×10^{-7}	870	0.3	2	18
MOM-17CK	6.35	5.5	11	2000	1.4×10^{-6}	1300	0.3	2	33
MOM-20CK	10	7.7	15.4	2000	2.9×10^{-6}	1700	0.4	2	45
MOM-26CK	12	11	22	2000	9.5×10^{-6}	3200	0.5	2	90
MOM-30CK	14	26	52	2000	1.8×10^{-5}	4600	0.6	2	128
MOM-34CK	16	35	70	2000	3.0×10^{-5}	6000	0.7	2	170
MOM-38CK	20	55	110	2000	5.4×10^{-5}	7400	0.8	2	231
MOM-45CK	22	66	132	2000	1.2×10^{-4}	16000	1	2	383
MOM-55CK	25	99	198	2000	3.4×10^{-4}	30000	1.2	2	743
MOM-70CK	35	176	352	2000	1.0×10^{-3}	46000	1.4	2	1350

*1: Values with no load fluctuation and rotation in a single direction. If there is large load fluctuation, or both normal and reverse rotation, select a size with some margin.
*2: These are values with max. bore diameter.
*3: The max. lateral misalignment varies depending on the load torque and revolution. ➡ P.xxxx

● Comparison of rated torque



● Comparison of Static Torsional Stiffness



Precautions for Use

- In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft. ➡ P.xxxx
- There are sizes where the hex socket head bolt exceeds the outer diameter of the coupling and the rotating diameter is larger than the outer diameter. Please be careful of the interference of coupling. ➡ P.xxxx

● Part number specification

MOM-38CK - 16-18
[1] [2]

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