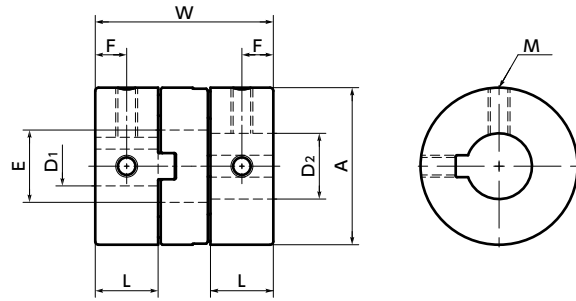


MOM-K Flexible Couplings - Oldham Type - Set Screw + Key Type

WEB Selection Tool WEB CAD Download High torque High Rigidity

MOM-K



Dimensions

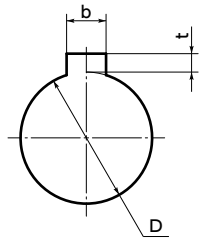
Unit : mm

Part Number	A	L	W	E	F	M	Screw Tightening Torque (N·m)
MOM-15K	15	5.4	16.6	6.9	2.7	M3	0.7
MOM-17K	17	6.7	20.4	7.3	3.35	M3	0.7
MOM-20K	20	7	22	11.1	3.5	M3	0.7
MOM-26K	26	9	26.6	13.3	4.5	M4	1.7
MOM-30K	30	12	34	15.5	6	M4	1.7
MOM-34K	34	13	35	17.5	6.5	M5	4
MOM-38K	38	15	40.5	21.5	7.5	M5	4
MOM-45K	45	15	45.2	24.3	7.5	M5	4
MOM-55K	55	17	51	27.7	8.5	M6	7
MOM-70K	70	20	58.6	38.5	10	M8	15

Part Number	Standard Bore Diameter (Dimensional Allowance H8)																
	D1/D2	6	6.35	8	10	12	14	15	16	18	20	22	24	25	28	30	35
MOM-15K	●																
MOM-17K	●		●														
MOM-20K	●	●	●	●													
MOM-26K	●	●	●	●	●												
MOM-30K			●	●	●	●											
MOM-34K				●	●	●	●										
MOM-38K				●	●	●	●	●									
MOM-45K					●	●	●	●	●								
MOM-55K						●	●	●	●	●							
MOM-70K									●	●	●	●	●	●	●	●	●

- All products are provided with hex socket set screws.
- Recommended tolerance for shaft diameters is h6 and h7.
- A set of hubs with key type for one side and clamping type for the other side is available upon request.

Details of Shaft Hole



Standard Bore Diameter D	Keyway				Key Nominal Dimension b x h
	b Standard Dimension	Allowance (JS9)	t 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

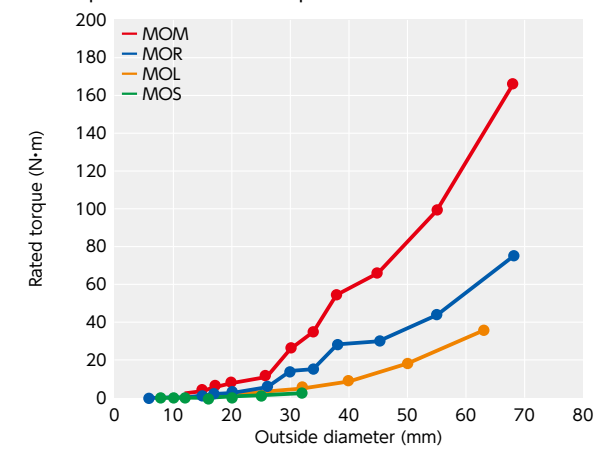
Additional Keyway at Shaft Hole → P.xxxx Cleanroom Wash & Packaging → P.xxxx Change to Stainless Steel Screw → P.xxxx

Performance

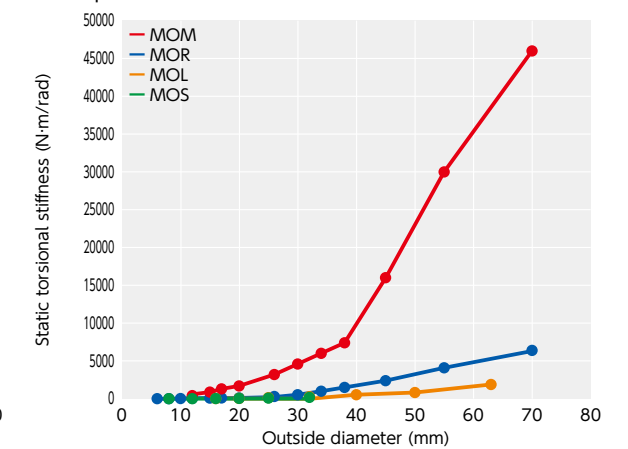
Part Number	Max. Bore Diameter (mm)	Rated Torque *1 (N·m)	Maximum Torque *1 (N·m)	Max. Rotational Frequency (min ⁻¹)	Moment of Inertia *2 (kg·m ²)	Static Torsional Stiffness (N·m/rad)	Max. Lateral Misalignment *3 (mm) → P.xxxx	Max. Angular Misalignment (°)	Mass *2 (g)
MOM-15K	7	3.3	6.6	2000	5.7×10 ⁻⁷	870	0.3	2	17
MOM-17K	8	5.5	11	2000	1.1×10 ⁻⁶	1300	0.3	2	26
MOM-20K	10	7.7	15.4	2000	2.4×10 ⁻⁶	1700	0.4	2	37
MOM-26K	12	11	22	2000	8.4×10 ⁻⁶	3200	0.5	2	78
MOM-30K	15	26	52	2000	1.8×10 ⁻⁵	4600	0.6	2	130
MOM-34K	16	35	70	2000	3.2×10 ⁻⁵	6000	0.7	2	178
MOM-38K	20	55	110	2000	5.7×10 ⁻⁵	7400	0.8	2	241
MOM-45K	22	66	132	2000	1.2×10 ⁻⁴	16000	1	2	384
MOM-55K	28	99	198	2000	3.1×10 ⁻⁴	30000	1.2	2	650
MOM-70K	35	176	352	2000	9.3×10 ⁻⁴	46000	1.4	2	1200

- *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



Part number specification

MOM-15K-6-6

1 2