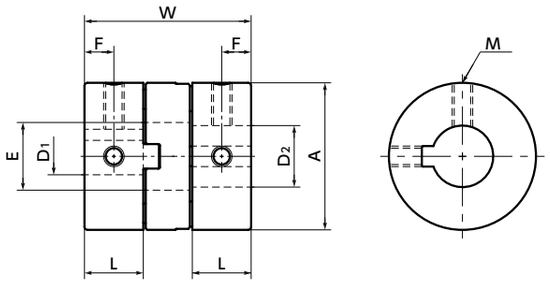
MOM-K Flexible coupling - Oldham - type - Set screw + Key type

WEB Selection Tool　WEB CAD Download　High torque　High Rigidity

MOM-K



Dimensions

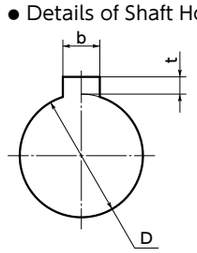
Unit : mm

Part Number 1	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 2															
	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 screw.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.
- A set of hubs with key type for one side and clamping type or other type for the other side is available upon request.

● Details of Shaft Hole



Unit : mm

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

- Excerpt from JIS B 1301

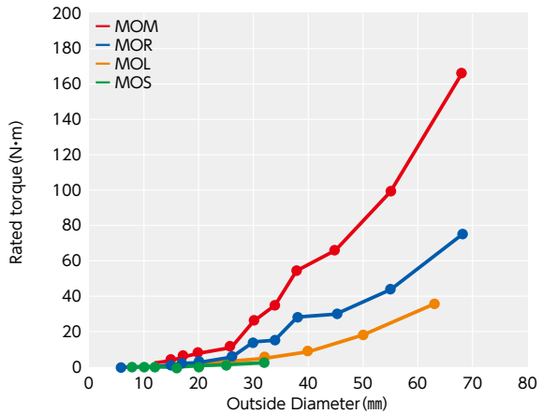
Additional Keyway at Shaft Hole ➡ P.788	Cleanroom Wash & Packaging ➡ P.792	Change to Stainless Steel Screw ➡ P.790
Please feel free to contact us	Available / Add'l charge	Available / Add'l charge

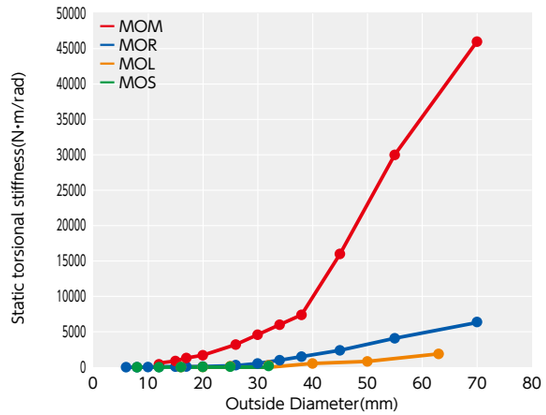
Performance

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 ($kg・m^2$)	Static Torsional Stiffness (N・m/rad)	Max. lateral*3 misalignment (mm) ➡ P.176	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 Correction of rated torque and max. torque due to load fluctuation is not required.
*2 These are values with max. bore diameter.
*3 The max. lateral misalignment varies depending on the load torque and revolution. ➡ P.176

● Comparison of rated torque





● Part number specification

MOM-15K - 6-6
1　2

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