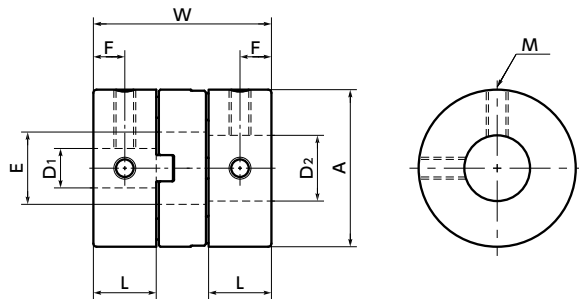


MOM Flexible coupling - Oldham - type - Set screw type

WEB Selection Tool CAD Download High torque High Rigidity

MOM



Dimensions

Unit : mm

Part Number	A	L	W	E	F	M	Screw Tightening Torque (N·m)
MOM-12	12	5.2	15	5.9	2.6	M2.5	0.5
MOM-15	15	5.4	16.6	6.9	2.7	M3	0.7
MOM-17	17	6.7	20.4	7.3	3.35	M3	0.7
MOM-20	20	7	22	11.1	3.5	M3	0.7
MOM-26	26	9	26.6	13.3	4.5	M4	1.7
MOM-30	30	12	34	15.5	6	M4	1.7
MOM-34	34	13	35	17.5	6.5	M5	4
MOM-38	38	15	40.5	21.5	7.5	M5	4
MOM-45	45	15	45.2	24.3	7.5	M5	4
MOM-55	55	17	51	27.7	8.5	M6	7
MOM-70	70	20	58.6	38.5	10	M8	15

Part Number	Standard Bore Diameter (dimensional allowance H8)																		
	D1 • D2	3	4	5	6	6.35	8	10	12	14	15	16	18	20	22	24	25	28	30
MOM-12		●	●	●	●														
MOM-15		●	●	●	●														
MOM-17			●	●	●														
MOM-20				●	●														
MOM-26					●	●													
MOM-30						●	●												
MOM-34							●	●											
MOM-38								●	●										
MOM-45									●	●									
MOM-55										●	●								
MOM-70											●	●							

- All products are provided with hex socket set screw.
- In a case where the bore diameter is $\phi 4$ or less, the set screw is used in only one place.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.
- A set of hubs with set screw type for one side and clamping type for the other side is available upon request.

Additional Keyway at Shaft Hole → P.803 Cleanroom Wash & Packaging → P.807 Change to Stainless Steel Screw → P.805

Available / Add'l charge

Available / Add'l charge

Available / Add'l charge

Performance

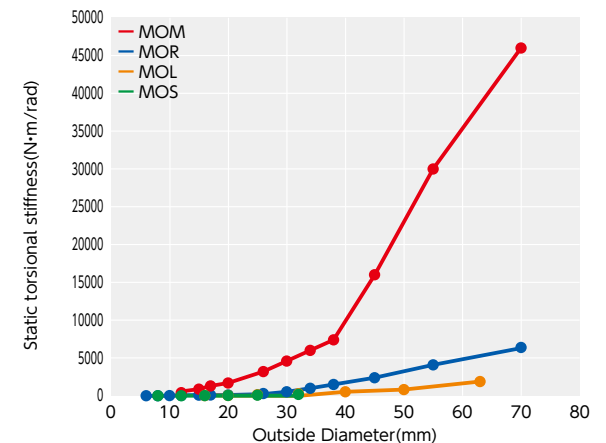
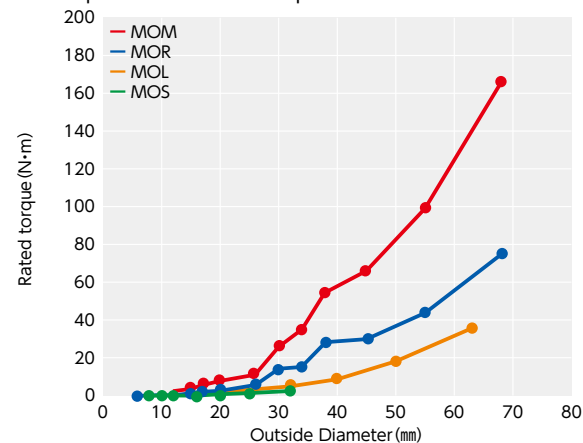
Part Number	Max. Bore Diameter (mm)	Rated*1 torque (N·m)	Max.*1 torque (N·m)	Max. Rotational Frequency (min ⁻¹)	Moment*2 of Inertia (kg·m ²)	Static Torsional Stiffness (N·m/rad)	Max. lateral*3 misalignment (mm) → P.175	Max. Angular Misalignment (°)	Mass*2 (g)
MOM-12	6	2.7	5.4	2000	2.0×10^{-7}	420	0.3	2	9
MOM-15	8	3.3	6.6	2000	5.5×10^{-7}	870	0.3	2	15
MOM-17	10	5.5	11	2000	1.1×10^{-6}	1300	0.3	2	24
MOM-20	12	7.7	15.4	2000	2.3×10^{-6}	1700	0.4	2	34
MOM-26	15	11	22	2000	8.1×10^{-6}	3200	0.5	2	72
MOM-30	18	26	52	2000	1.8×10^{-5}	4600	0.6	2	119
MOM-34	20	35	70	2000	3.1×10^{-5}	6000	0.7	2	159
MOM-38	22	55	110	2000	5.5×10^{-5}	7400	0.8	2	230
MOM-45	25	66	132	2000	1.2×10^{-4}	16000	1	2	364
MOM-55	30	99	198	2000	3.0×10^{-4}	30000	1.2	2	636
MOM-70	42	176	352	2000	8.9×10^{-4}	46000	1.4	2	1090

*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.175

Comparison of rated torque



Part number specification

MOM-26-6.35-10

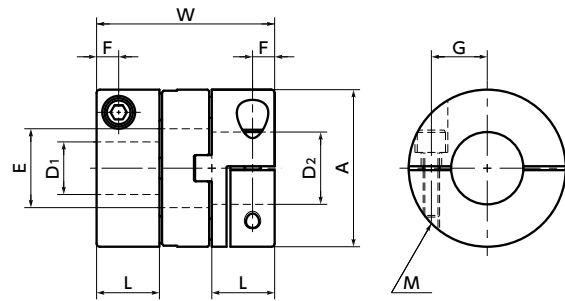
1

2

MOM-C Flexible coupling - Oldham - type - Clamping type

WEB Selection Tool WEB CAD Download High torque High Rigidity

MOM-C



Outside Diameter: $\phi 15 - \phi 38$

Dimensions

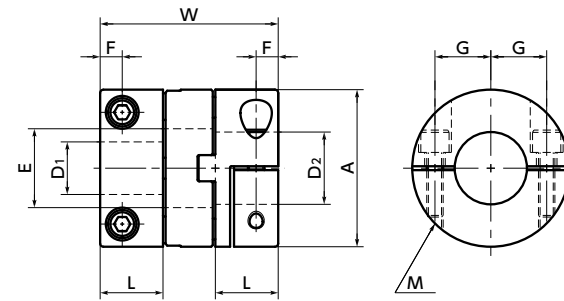
Unit : mm

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

Part Number	Standard Bore Diameter																			
	D1 • D2	3	4	5	6	6.35	8	10	12	14	15	16	18	20	22	24	25	28	30	35
MOM-15C		●	●	●	●															
MOM-17C			●	●	●															
MOM-20C				●	●	●	●	●												
MOM-26C					●	●	●	●	●											
MOM-30C							●	●	●	●										
MOM-34C								●	●	●	●	●								
MOM-38C								●	●	●	●	●	●	●						
MOM-45C									●	●		●	●	●	●	●				
MOM-55C											●	●	●	●	●	●	●			
MOM-70C													●	●	●	●	●	●	●	●

- All products are provided with hex socket head cap screw.
- Recommended dimensional allowances of applicable shaft diameter are h6 and h7.
- A set of hubs with clamping type for one side and set screw type or other type for the other side is available upon request.
- In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft. → P.258

Additional Keyway at Shaft Hole → P.803 Cleanroom Wash & Packaging → P.807 Change to Stainless Steel Screw → P.805
Available / Add'l charge Available / Add'l charge Available / Add'l charge



Outside Diameter: $\phi 45 - \phi 70$

Performance

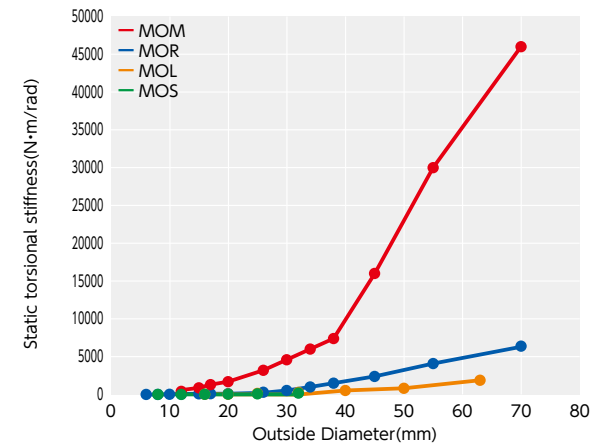
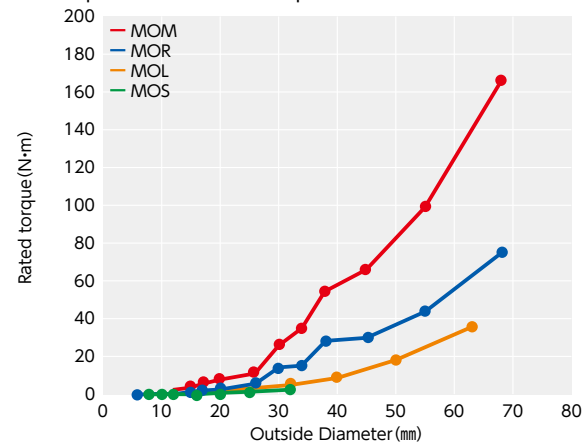
Part Number	Max. Bore Diameter (mm)	Rated*1 torque (N·m)	Max.*1 torque (N·m)	Max. Rotational Frequency (min ⁻¹)	Moment*2 of Inertia (kg·m ²)	Static Torsional Stiffness (N·m/rad)	Max. Lateral*3 Misalignment (mm) → P.175	Max. Angular Misalignment (°)	Mass*2 (g)
MOM-15C	6	3.3	6.6	2000	6.2×10^{-7}	870	0.3	2	19
MOM-17C	6.35	5.5	11	2000	1.4×10^{-6}	1300	0.3	2	34
MOM-20C	10	7.7	15.4	2000	3.0×10^{-6}	1700	0.4	2	47
MOM-26C	12	11	22	2000	9.6×10^{-6}	3200	0.5	2	92
MOM-30C	14	26	52	2000	1.8×10^{-5}	4600	0.6	2	131
MOM-34C	16	35	70	2000	3.1×10^{-5}	6000	0.7	2	173
MOM-38C	20	55	110	2000	5.5×10^{-5}	7400	0.8	2	235
MOM-45C	22	66	132	2000	1.2×10^{-4}	16000	1	2	387
MOM-55C	25	99	198	2000	3.4×10^{-4}	30000	1.2	2	752
MOM-70C	35	176	352	2000	1.0×10^{-3}	46000	1.4	2	1370

*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.175

Comparison of rated torque

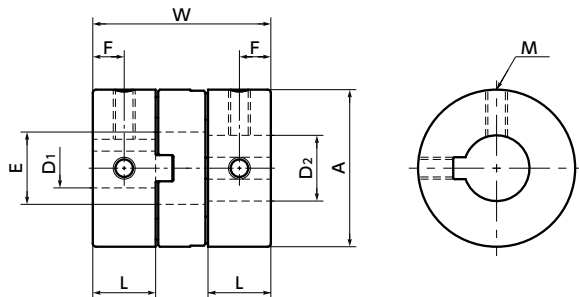


Part number specification

MOM-55C-15-16

1 2

MOM-K



Dimensions

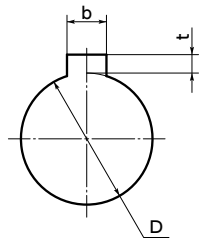
Unit : mm

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 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.803
 Cleanroom Wash & Packaging → P.807
 Change to Stainless Steel Screw → P.805

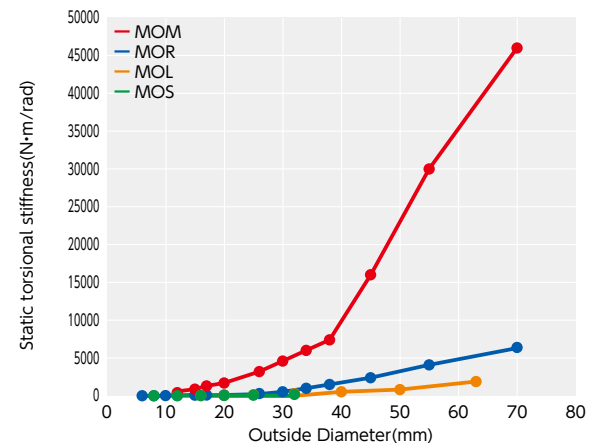
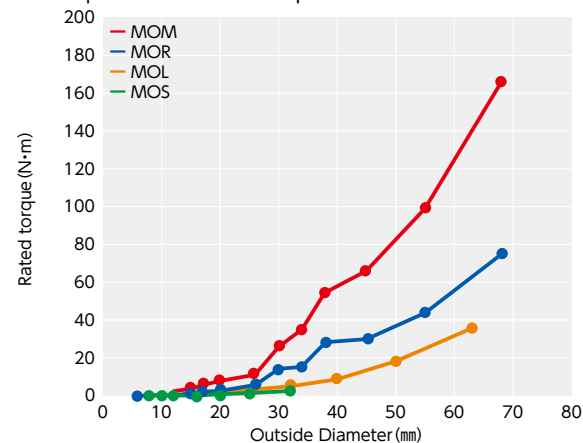
Please feel free to contact us
 Available / Add'l charge
 Available / Add'l charge

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.175	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.175

● Comparison of rated torque



● Part number specification

MOM-15K-6-6

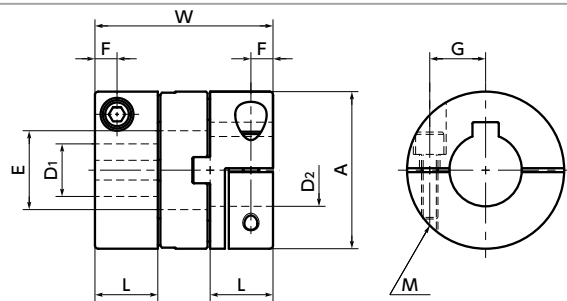
1

2

MOM-CK Flexible coupling - Oldham - type - Clamping + Key type

WEB Selection Tool WEB CAD Download High torque High Rigidity

MOM-CK



Outside Diameter: $\phi 15 - \phi 38$

Dimensions

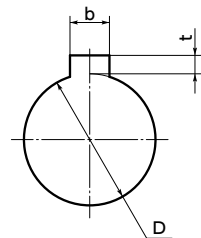
Unit : mm

Part Number	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 D1 • D2 															
	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 dimensional allowances of applicable shaft diameter are h6 and h7.
- A set of hubs with clamping + key type for one side and clamping type or other type for the other side is available upon request.
- In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft. → P.258

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

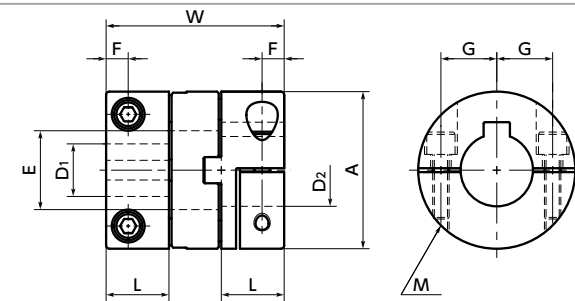
● Excerpt from JIS B 1301

Additional Keyway at Shaft Hole → P.803 Cleanroom Wash & Packaging → P.807 Change to Stainless Steel Screw → P.805

Please feel free to contact us

Available / Add'l charge

Available / Add'l charge



Outside Diameter: $\phi 45 - \phi 70$

Performance

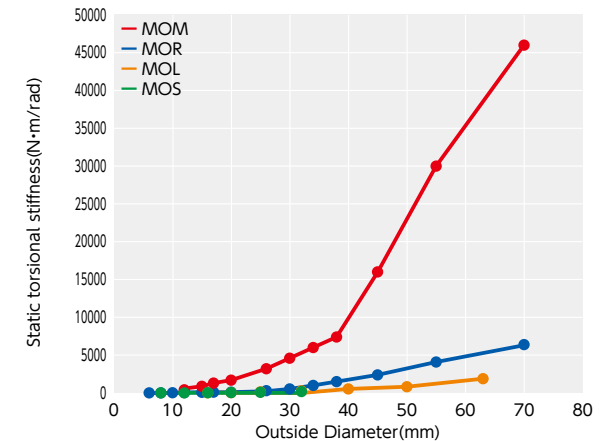
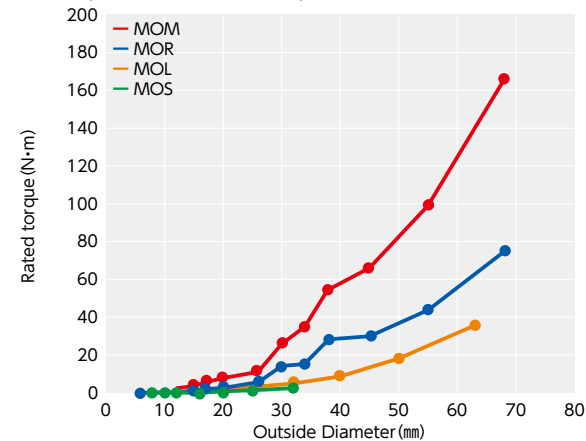
Part Number	Max. Bore Diameter (mm)	Rated*1 torque (N·m)	Max.*1 torque (N·m)	Max. Rotational Frequency (min ⁻¹)	Moment*2 of Inertia (kg·m ²)	Static Torsional Stiffness (N·m/rad)	Max. lateral*3 misalignment (mm) → P.175	Max. Angular Misalignment (°)	Mass*2 (g)
MOM-15CK	6	3.3	6.6	2000	6.1×10^{-7}	870	0.3	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.175

Comparison of rated torque



Part number specification

MOM-38CK - 16-18

1

2