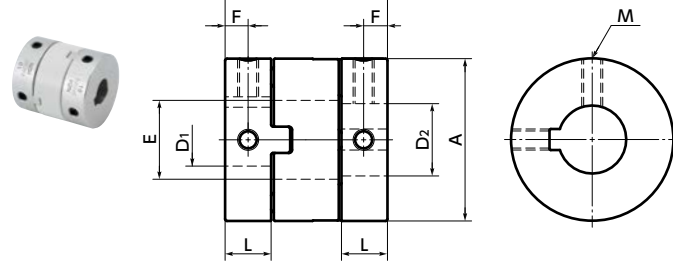


# MOR-K Flexible Coupling - Oldham Type - Set Screw + Key Type

High torque × Electrical Insulation × High Allowable Misalignment × Small Eccentric Reaction Force

MOR-K



## Dimensions

Part Number	A	L	W	E	F	M	Screw Tightening Torque (N·m)
MOR-15K	15	4.4	16	8.2	2.2	M3	0.7
MOR-17K	17	4.9	19.7	8.2	2.5	M3	0.7
MOR-20K	20	5.8	21.6	12.2	2.9	M4 (6 ≤ Bore Diameter D1 · D2 ≤ 10) M3 (10 < Bore Diameter D1 · D2 ≤ 12)	1.7 0.7
MOR-26K	26	7.3	25.6	14.2	3.7	M4	1.7
MOR-30K	30	10	32.6	16.2	5	M4	1.7
MOR-34K	34	11.1	34	16.2	5.6	M5	4
MOR-38K	38	12.1	40.1	20.3	6.1	M5	4
MOR-45K	45	13.8	46	22.3	6.9	M6	7
MOR-55K	55	18.7	57	26.5	9.4	M8	15
MOR-68K	68	24	77	38.5	12	M10	30

Part Number	Standard Metric Bore Diameter (dimensional allowance H8)															
	D1 · D2	6	8	10	12	14	15	16	18	20	22	25	28	30	35	38
MOR-15K	●	●														
MOR-17K	●	●														
MOR-20K	●	●	●													
MOR-26K	●	●	●	●												
MOR-30K		●	●	●	●											
MOR-34K			●	●	●	●										
MOR-38K			●	●	●	●	●									
MOR-45K			●	●	●	●	●	●								
MOR-55K				●	●	●	●	●	●							
MOR-68K					●	●	●	●	●	●						

Part Number	Standard Inch Bore Diameter (dimensional allowance H8)				
	D1 · D2	1 / 2	5 / 8	3 / 4	7 / 8
MOR-26K	●				
MOR-30K	●		●		
MOR-34K	●		●		
MOR-38K	●		●	●	
MOR-45K	●		●	●	
MOR-55K			●	●	●

- 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.
- For the shaft insertion amount to the coupling, see Mounting/maintenance.

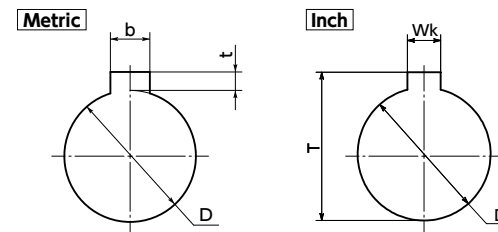
Additional Keyway at Shaft Hole → P. xxxx | Cleanroom Wash & Packaging → P. xxxx | Change to Stainless Steel Screw → P. xxxx  
 Please feel free to contact us | Please feel free to contact us | Available / Add'l charge

## Performance

Part Number	Max. Bore Diameter (mm)	Rated Torque *1 (N·m)	Maximum Torque *1 (N·m)	Max. Rotational Frequency (min <sup>-1</sup> )	Moment *2 of Inertia (kg·m <sup>2</sup> )	Static Torsional Stiffness (N·m/rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Mass *2 (g)
MOR-15K	8	1.6	3.2	42000	1.4 × 10 <sup>-7</sup>	80	1	3	4
MOR-17K	8	2.2	4.4	37000	2.8 × 10 <sup>-7</sup>	120	1.2	3	7
MOR-20K	12	3.2	6.4	31000	5.6 × 10 <sup>-7</sup>	120	1.2	3	8
MOR-26K	14	6	12	24000	2.0 × 10 <sup>-6</sup>	300	1.5	3	19
MOR-30K	16	15	30	21000	5.4 × 10 <sup>-6</sup>	530	2	3	37
MOR-34K	16	16	32	18000	9.0 × 10 <sup>-6</sup>	1000	2.5	3	51
MOR-38K	20	28	56	16000	1.5 × 10 <sup>-5</sup>	1500	2.5	3	68
MOR-45K	22	30	60	14000	3.2 × 10 <sup>-5</sup>	2400	3	3	110
MOR-55K	26	45	90	11000	1.0 × 10 <sup>-4</sup>	4100	4	3	230
MOR-68K	38	80	160	9000	3.3 × 10 <sup>-4</sup>	6400	4.5	3	430

- \*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. If ambient temperature exceeds 30°C, be sure to correct the rated torque and max. torque with temperature correction factor shown in the following table. The allowable operating temperature of MOR-K is -20°C to 80°C.
- \*2: These are values with max. bore diameter.

### • Details of Shaft Hole



### Metric Shaft Hole

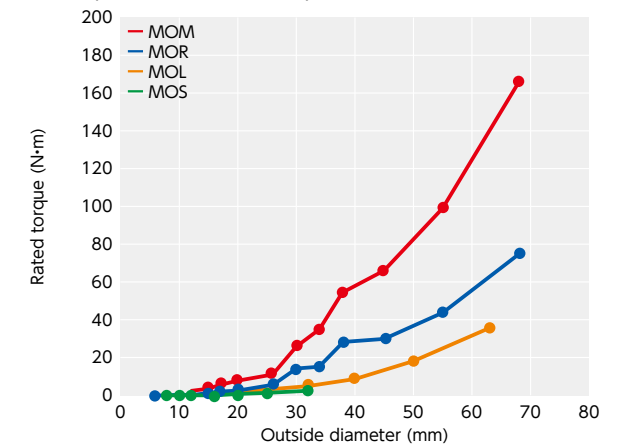
Standard Bore Diameter D	Keyway		Key	
	b	t	Nominal Dimension b x h	
6	2	±0.0125	1.0	2 × 2
8	3	±0.0125	1.4	3 × 3
10 · 12	4	±0.0150	1.8	4 × 4
14 · 15 · 16	5	±0.0150	2.3	5 × 5
18 · 20 · 22	6	±0.0150	2.8	6 × 6
25 · 28 · 30	8	±0.0180	3.3	8 × 7
35 · 38	10	±0.0180	3.3	10 × 8

• Excerpt from JIS B 1301

### Inch Shaft Hole

Standard Inch Bore Diameter D	Keyway		Key	
	Wk	T	Nominal Dimension b x h	
1 / 2	1 / 8	±0.002	0.560	10 × 8
5 / 8	3 / 16	±0.002	0.709	10 × 8
3 / 4	3 / 16	±0.002	0.837	10 × 8
7 / 8	3 / 16	±0.002	0.964	10 × 8

### • Comparison of rated torque



### • Ambient Temperature / Temperature Correction Factor

Ambient Temperature	Temperature Correction Factor
-20°C to 30°C	1.00
30°C to 40°C	0.80
40°C to 60°C	0.70
60°C to 80°C	0.55

### • Part number specification

**MOR-26K-8-10** 1 Set

**MOR-20 - SPCR** Single Spacer

Product Code | Outside Diameter (A Dimension) | Single Spacer