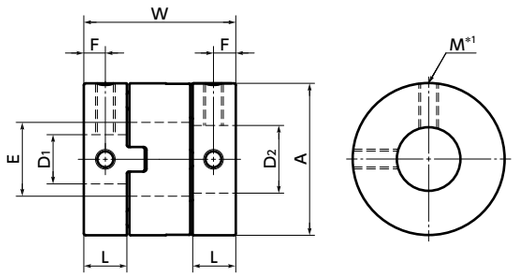
MOR Flexible Coupling - Oldham Type - Set Screw Type

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

MOR



∗1 : In a case where the bore diameter is ϕ 4 or less, the set screw is used in only one place.

Dimensions

Unit : mm

Part Number 1	A	L	W	E	F	M	Screw Tightening Torque (N・m)
MOR-6	6	2.5	8.4	2.1	1.3	M2	0.3
MOR-8	8	2.5	9.6	3.1	1.3	M2	0.3
MOR-10	10	2.9	10.4	4.1	1.4	M2	0.3
MOR-12	12	3.9	14.4	5.2	2	M3	0.7
MOR-15	15	4.4	16	8.2	2.2	M3	0.7
MOR-17	17	4.9	19.7	8.2	2.5	M3	0.7
MOR-20	20	5.8	21.6	12.2	2.9	M3	0.7
MOR-26	26	7.3	25.6	14.2	3.7	M4	1.7
MOR-30	30	10	32.6	16.2	5	M4	1.7
MOR-34	34	11.1	34	16.2	5.6	M5	4
MOR-38	38	12.1	40.1	20.3	6.1	M5	4
MOR-45	45	13.8	46	22.3	6.9	M6	7
MOR-55	55	18.7	57	26.5	9.4	M8	15
MOR-68	68	24	77	38.5	12	M10	30

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

Unit : mm

Part Number	Standard Metric Bore Diameter (dimensional allowance H8) D1・D2 2																							
	1	1.5	2	3	4	5	6	6.35	8	9.525	10	12	14	15	16	18	20	22	25	28	30	35	38	
MOR-6	●	●	●																					
MOR-8	●		●	●																				
MOR-10			●	●	●																			
MOR-12				●	●	●																		
MOR-15					●	●	●	●	●															
MOR-17					●	●	●	●	●															
MOR-20					●	●	●	●	●	●	●	●												
MOR-26						●	●	●	●	●	●	●	●											
MOR-30									●	●	●	●	●	●	●									
MOR-34											●	●	●	●	●									
MOR-38											●	●	●	●	●	●	●							
MOR-45											●	●	●	●	●	●	●	●						
MOR-55													●	●	●	●	●	●	●					
MOR-68																●	●	●	●	●	●	●	●	

Unit : inch

Part Number	Standard Inch Bore Diameter (dimensional allowance H7) D1・D2 2						
	1 / 4	5 / 16	3 / 8	1 / 2	5 / 8	3 / 4	7 / 8
MOR-15	●	●					
MOR-17	●	●					
MOR-20	●	●	●				
MOR-26	●	●	●	●			
MOR-30			●	●	●		
MOR-34			●	●	●		
MOR-38			●	●	●	●	
MOR-45				●	●	●	
MOR-55					●	●	●

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

● Part number specification

MOR-15 - 5-6 1 Set
(1) (2)

MOR - 20 - SPCR Single Spacer
Product Code; Outside Diameter (A Dimension); Single Spacer

NBK https://www.nbk1560.com

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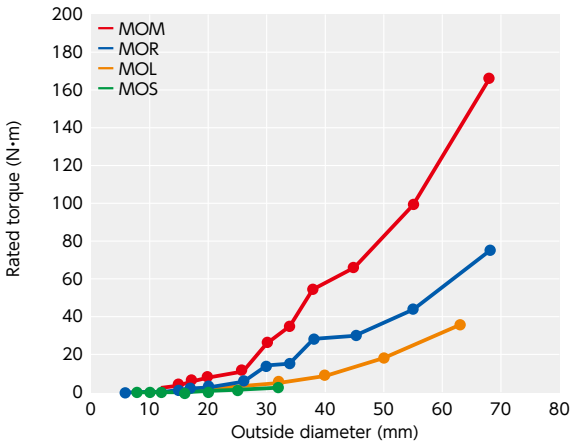
Performance

Part Number	Max. Bore Diameter (mm)	Keyway Additional Modification 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 (mm)	Max. Angular Misalignment (°)	Mass *2 (g)
MOR-6	2	–	0.2	0.4	100000	2.2×10^{-9}	5	0.5	3	0.4
MOR-8	3	–	0.5	1	78000	7.4×10^{-9}	12	0.7	3	0.8
MOR-10	4	–	0.8	1.6	63000	1.9×10^{-8}	23	0.9	3	1
MOR-12	5	–	1	2	52000	5.3×10^{-8}	60	1	3	3
MOR-15	8	8	1.6	3.2	42000	1.4×10^{-7}	80	1	3	4
MOR-17	8	8	2.2	4.4	37000	2.8×10^{-7}	120	1.2	3	7
MOR-20	12	12	3.2	6.4	31000	5.7×10^{-7}	120	1.2	3	9
MOR-26	14	14	6	12	24000	2.1×10^{-6}	300	1.5	3	20
MOR-30	16	16	15	30	21000	5.4×10^{-6}	530	2	3	38
MOR-34	16	16	16	32	18000	9.1×10^{-6}	1000	2.5	3	52
MOR-38	20	20	28	56	16000	1.6×10^{-5}	1500	2.5	3	69
MOR-45	22	22	30	60	14000	3.3×10^{-5}	2400	3	3	110
MOR-55	26	26	45	90	11000	1.0×10^{-4}	4100	4	3	230
MOR-68	38	38	80	160	9000	3.7×10^{-4}	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℃, 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** is −20℃ to 80℃.

*2: These are values with max. bore diameter.

● Comparison of rated torque



● Ambient Temperature / Temperature Correction Factor

Ambient Temperature	Temperature Correction Factor
−20℃ to 30℃	1.00
30℃ to 40℃	0.80
40℃ to 60℃	0.70
60℃ to 80℃	0.55