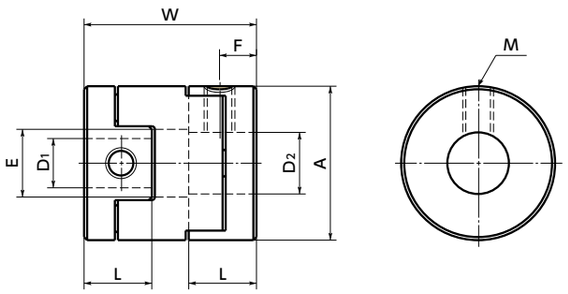
Couplicon®

MOL/MOL-C Flexible coupling - Oldham - type - Set screw type/Clamping type

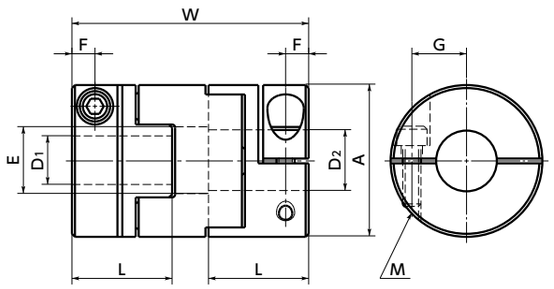
WEB Selection Tool　WEB CAD Download　High Allowable Misalignment　Small Eccentric Reaction Force

MOL

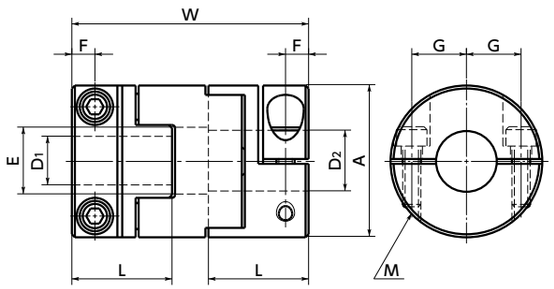
MOL-C



MOL



MOL-C Outside diameter ϕ 16 - ϕ 32



MOL-C Outside diameter ϕ 40 - ϕ 63

Dimensions

Unit : mm

Part Number ◀1	A	L	W	E	F	G	M	Screw Tightening Torque (N・m)
MOL-16	16	7	18	7	3.5		M3	0.7
MOL-20	20	9	23	9	4.5		M4	1.7
MOL-25	25	11	28.2	11	5.5		M5	4
MOL-32	32	12.7	32.7	14.5	6.5		M6	7
MOL-40	40	14	32	17	7		M6	7
MOL-50	50	17	38.2	23	8.5		M8	15
MOL-63	63	21	46.6	28	10.5		M10	30
MOL-16C	16	12.5	29	7	3	5	M2.5	1
MOL-20C	20	14.4	33.8	9	3	6.5	M2.5	1
MOL-25C	25	16.5	39.2	11	3.8	9	M3	1.5
MOL-32C	32	18.7	44.7	14.5	4.5	11	M4	2.5
MOL-40C	40	23	50	17	7	13	M5	4
MOL-50C	50	27	58.2	23	8	16	M6	8
MOL-63C	63	33	70.6	28	10	21	M8	16

Part Number	Standard Bore Diameter D1・D2 ◀2															
	3	4	5	6	6.35	8	9.525	10	11	12	14	15	16	18	20	25
MOL-16	●	●	●	●	●											
MOL-20		●	●	●	●	●										
MOL-25			●	●	●	●	●	●								
MOL-32						●		●		●	●					
MOL-40								●		●	●	●	●			
MOL-50											●	●	●	●	●	
MOL-63													●	●	●	●
MOL-16C			●	●												
MOL-20C				●	●	●										
MOL-25C					●	●		●								
MOL-32C						●		●	●	●	●					
MOL-40C										●	●	●	●			
MOL-50C													●	●	●	
MOL-63C														●	●	●

- All products are provided with hex socket set screw MOL or hex socket head cap screw MOL-C
- The dimensional allowance for bore diameter of a set screw type MOL is H8.
- 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.
- 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

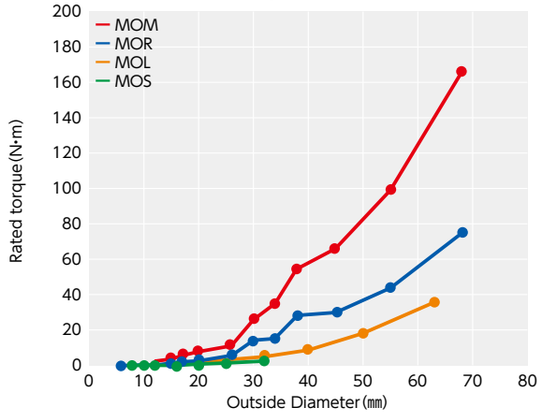
Performance

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 Misalignment (mm)	Max. Angular Misalignment (°)	Mass*2 (g)
MOL-16	6.35	0.7	1.4	39000	3.2×10^{-7}	31	1	3	7
MOL-20	8	1.2	2.4	31000	1.0×10^{-6}	60	1.5	3	14
MOL-25	10	2	4	25000	3.0×10^{-6}	140	2	3	27
MOL-32	14	4.5	9	19000	9.5×10^{-6}	280	2.5	3	50
MOL-40	16	9	18	15000	2.3×10^{-5}	540	3	3	80
MOL-50	20	18	36	12000	6.7×10^{-5}	820	3.5	3	150
MOL-63	25	36	72	10000	2.2×10^{-4}	1900	4	3	300
MOL-16C	6	0.7	1.4	39000	5.8×10^{-7}	31	1	3	12
MOL-20C	8	1.2	2.4	31000	1.5×10^{-6}	60	1.5	3	19
MOL-25C	10	2	4	25000	4.4×10^{-6}	140	2	3	36
MOL-32C	14	4.5	9	19000	1.4×10^{-5}	280	2.5	3	69
MOL-40C	16	9	18	15000	4.1×10^{-5}	540	3	3	130
MOL-50C	20	18	36	12000	1.2×10^{-4}	820	3.5	3	230
MOL-63C	25	36	72	10000	3.7×10^{-4}	1900	4	3	450

*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 MOL MOL-C is −20°C to 80°C.

*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

● Part number specification

MOL-40C - 14-15 1 set

◀1　◀2

MOL - 40 - SPCR Single Spacer

Product Code　Outside Diameter (A Dimension)　Single Spacer