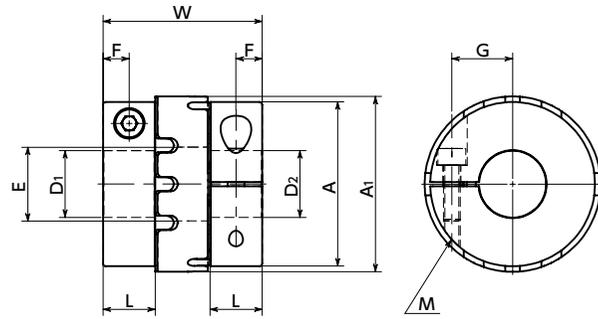


# MOT-C Flexible Couplings - Oldham Type - Clamping Type

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

MOT-C



## Dimensions

Unit : mm

Part Number	A	A1	L	W	E	F	G	M	Screw Tightening Torque (N·m)
MOT-55C	51	55	13.8	46	21	6.9	18.5	M5	4
MOT-63C	59	63	18.7	57	26.5	9.4	21.8	M6	8
MOT-75C	73.5	75	24	77	35	12	27.5	M8	16

Part Number	Standard Bore Diameter D1・D2 (Dimensional Allowance H8)													
	12	14	15	16	18	20	22	25	28	30	35	38	40	
MOT-55C	●	●	●	●	●	●	●	●						
MOT-63C				●	●	●	●	●	●	●				
MOT-75C						●	●	●	●	●	●	●	●	●

- All products are provided with hex socket head cap screw.
- 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.

## Performance

Part Number	Max. Bore Diameter (mm)	Keyway Additional Modification Max. Bore Diameter (mm)	Rated Torque*1 (N·m)	Max. Torque*1 (N·m)	Max. Rotational Frequency (min <sup>-1</sup> )	Moment of Inertia*2 (kg·m <sup>2</sup> )	Static Torsional Stiffness (N·m/rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Mass*2 (g)
MOT-55C	25	25	30	60	2000	6.9×10 <sup>-5</sup>	3100	3	3	170
MOT-63C	32	32	45	90	2000	1.5×10 <sup>-4</sup>	4900	4	3	270
MOT-75C	40	40	80	160	2000	4.7×10 <sup>-4</sup>	9800	4.5	3	540

- \*1 : Correction of rated torque and max. torque due to load fluctuation is not required.  
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 MOT-C is -20°C to 80°C.  
The shaft's slip torque may be smaller than the coupling's rated torque depending on the shaft bore.
- \*2 : These are values with max. bore diameter.

### • 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

### ⚠ Precautions for Use

In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft.

Additional Keyway at Shaft Hole Available / Add'l charge	Cleanroom Wash & Packaging Not Available	Change to Stainless Steel Screw Available / Add'l charge
---	---	---

### • Part Number Specification

MOT-63C - 20-25 1 Set



MOT-63 - SPCR Single Spacer

Product Symbol Outside Diameter Single Spacer (A1 Dimension)