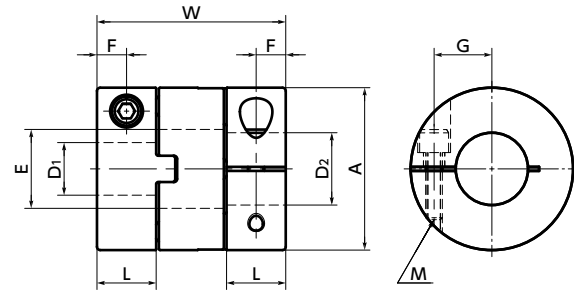


MOR-C Flexible Couplings - Oldham Type - Clamping Type Additional Size

[WEB Selection Tool](#)
[WEB CAD Download](#)
[High torque](#)
[Electrical Insulation](#)
[High Allowable Misalignment](#)
[Small Eccentric Reaction Force](#)

MOR-C



Dimensions

Unit : mm

| Part Number | A | L | W | E | F | G | M | Screw Tightening Torque (N·m) |
|-------------|----|------|------|------|-----|------|------|-------------------------------|
| MOR-12C | 12 | 6.2 | 19 | 5.2 | 3.1 | 4 | M2 | 0.5 |
| MOR-15C | 15 | 7 | 21.2 | 8.2 | 3.5 | 5 | M2.5 | 1 |
| MOR-17C | 17 | 7.3 | 24.5 | 8.2 | 3.7 | 6 | M2.5 | 1 |
| MOR-20C | 20 | 8.8 | 27.6 | 12.2 | 4.4 | 7.5 | M3 | 1.5 |
| MOR-26C | 26 | 9.7 | 30.4 | 14.2 | 4.9 | 9.5 | M3 | 1.5 |
| MOR-30C | 30 | 10 | 32.6 | 16.2 | 5 | 11.1 | M4 | 2.5 |
| MOR-34C | 34 | 11.1 | 34 | 16.2 | 5.6 | 12.6 | M4 | 2.5 |
| MOR-38C | 38 | 12.1 | 40.1 | 20.3 | 6 | 14.2 | M5 | 4 |
| MOR-45C | 45 | 13.8 | 46 | 22.3 | 6.9 | 16 | M5 | 4 |
| MOR-55C | 55 | 18.7 | 57 | 26.5 | 9.4 | 20 | M6 | 8 |
| MOR-68C | 68 | 24 | 77 | 38.5 | 12 | 26 | M8 | 16 |

Unit : mm

| Part Number | Standard Metric Bore Diameter | | | | | | | | | | | | | | | | | | | | |
|-------------|-------------------------------|---|---|---|---|------|---|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | D1 · D2 | 3 | 4 | 5 | 6 | 6.35 | 8 | 9.525 | 10 | 12 | 14 | 15 | 16 | 18 | 19 | 20 | 22 | 25 | 28 | 30 | 35 |
| MOR-12C | ● | ● | ● | | | | | | | | | | | | | | | | | | |
| MOR-15C | | ● | ● | ● | | | | | | | | | | | | | | | | | |
| MOR-17C | | | ● | ● | ● | | | | | | | | | | | | | | | | |
| MOR-20C | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | |
| MOR-26C | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| MOR-30C | | | | | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | |
| MOR-34C | | | | | | | | ● | ● | ● | ● | ● | ● | | | | | | | | |
| MOR-38C | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| MOR-45C | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| MOR-55C | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | |
| MOR-68C | | | | | | | | | | | | | | | | ● | ● | ● | ● | ● | ● |

Unit : inch

| Part Number | Standard Inch Bore Diameter | | | | | | | |
|-------------|-----------------------------|-------|--------|-------|-------|-------|-------|-------|
| | D1 · D2 | 1 / 4 | 5 / 16 | 3 / 8 | 1 / 2 | 5 / 8 | 3 / 4 | 7 / 8 |
| MOR-17C | ● | | | | | | | |
| MOR-20C | ● | | ● | | ● | | | |
| MOR-26C | ● | | ● | | ● | | | |
| MOR-30C | | | | ● | ● | | | |
| MOR-34C | | | | ● | ● | ● | | |
| MOR-38C | | | | ● | ● | ● | ● | |
| MOR-45C | | | | | ● | ● | ● | |
| MOR-55C | | | | | | ● | ● | ● |

- 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 or other type for the other side is available upon request.

⚠ Precautions for Use

- In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft. → P.xxxx
- There are sizes where the hex socket head bolt exceeds the outer diameter of the coupling and the rotating diameter is larger than the outer diameter. Please be careful of the interference of coupling. → P.xxxx

- Part number specification

MOR-55C - 18-20 1 Set

1 2

MOR-20 - SPCR Single Spacer

Product Code Outside Diameter (A Dimension) Single Spacer

[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

MOR-C Flexible Couplings - Oldham Type - Clamping Type Additional Size

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

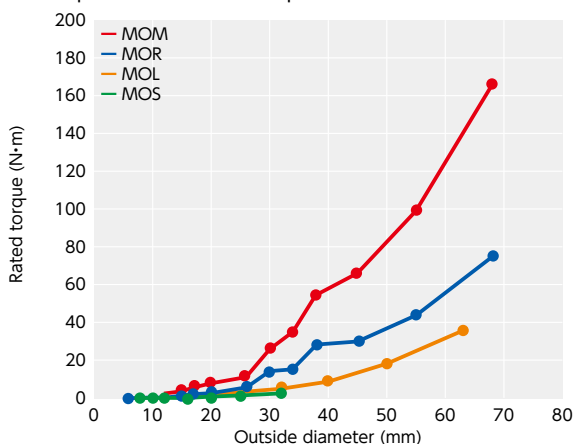
Performance

| Part Number | Max. Bore Diameter (mm) | Rated *1 Torque (N·m) | Maximum *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) |
|----------------|-------------------------|-----------------------|-------------------------|--|---|--------------------------------------|--------------------------------|-------------------------------|-------------|
| MOR-12C | 5 | 1 | 2 | 52000 | 6.6×10 ⁻⁸ | 60 | 1 | 3 | 3 |
| MOR-15C | 6 | 1.6 | 3.2 | 42000 | 1.7×10 ⁻⁷ | 80 | 1 | 3 | 5 |
| MOR-17C | 6.35 | 2.2 | 4.4 | 37000 | 3.8×10 ⁻⁷ | 120 | 1.2 | 3 | 9 |
| MOR-20C | 10 | 3.2 | 6.4 | 31000 | 8.0×10 ⁻⁷ | 120 | 1.2 | 3 | 13 |
| MOR-26C | 14 | 6 | 12 | 24000 | 2.5×10 ⁻⁶ | 300 | 1.5 | 3 | 24 |
| MOR-30C | 14 | 15 | 30 | 21000 | 5.3×10 ⁻⁶ | 530 | 2 | 3 | 39 |
| MOR-34C | 16 | 16 | 32 | 18000 | 8.6×10 ⁻⁶ | 1000 | 2.5 | 3 | 50 |
| MOR-38C | 20 | 28 | 56 | 16000 | 1.5×10 ⁻⁵ | 1500 | 2.5 | 3 | 67 |
| MOR-45C | 20 | 30 | 60 | 14000 | 3.2×10 ⁻⁵ | 2400 | 3 | 3 | 110 |
| MOR-55C | 25 | 45 | 90 | 11000 | 1.0×10 ⁻⁴ | 4100 | 4 | 3 | 230 |
| MOR-68C | 35 | 80 | 160 | 9000 | 3.3×10 ⁻⁴ | 6400 | 4.5 | 3 | 440 |

*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-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. → P.xxx

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

● 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 |