

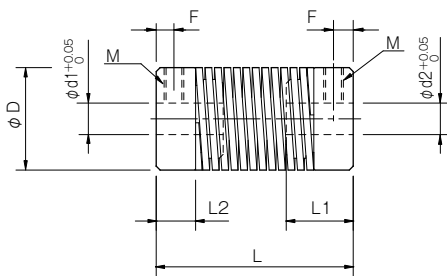
BAUMANNFLEX LM - Datasheet

Specifications

| Model | Torque | | Misalignment | | | Max. rotation speed [min ⁻¹] | Torsional stiffness [N-m/rad] | Moment of inertia [kg-m ²] | Mass [kg] |
|---------|---------------|------------|---------------|-------------|------------|--|-------------------------------|--|-----------|
| | Nominal [N-m] | Max. [N-m] | Parallel [mm] | Angular [°] | Axial [mm] | | | | |
| LM-6 | 0.5 | 1.0 | 1.0 | 8 | ± 1.0 | 6000 | 0.77 | 5.10 × 10 ⁻⁷ | 0.020 |
| LM-6-1 | 0.5 | 1.0 | 3.0 | 14 | ± 1.5 | 6000 | 0.40 | 7.65 × 10 ⁻⁷ | 0.030 |
| LM-9 | 1.0 | 2.0 | 2.5 | 8 | ± 1.0 | 6000 | 1.55 | 2.55 × 10 ⁻⁶ | 0.050 |
| LM-9-1 | 1.0 | 2.0 | 4.0 | 14 | ± 1.5 | 6000 | 0.80 | 3.06 × 10 ⁻⁶ | 0.060 |
| LM-14 | 2.0 | 4.0 | 3.0 | 8 | ± 1.0 | 6000 | 3.10 | 7.65 × 10 ⁻⁶ | 0.090 |
| LM-14-1 | 2.0 | 4.0 | 4.5 | 14 | ± 1.5 | 6000 | 1.60 | 9.44 × 10 ⁻⁶ | 0.110 |

• Higher rpm possible with balancing.
 • The moment of inertia and mass are specified for the maximum bore diameter.

Dimensions



| Model | d1 · d2 | | | D | L | L1 | L2 | F | M | Unit [mm] |
|---------|------------|------|------|----|----|----|-----|-----|----|-----------|
| | Pilot bore | Min. | Max. | | | | | | | |
| LM-6 | 4 | 5 | 6 | 14 | 35 | 12 | 6.5 | 3.5 | M4 | |
| LM-6-1 | 4 | 5 | 6 | 14 | 50 | 12 | 6.5 | 3.5 | M4 | |
| LM-9 | 5 | 6 | 9 | 20 | 40 | 14 | 7.5 | 4 | M4 | |
| LM-9-1 | 5 | 6 | 9 | 20 | 60 | 14 | 7.5 | 4 | M4 | |
| LM-14 | 8 | 9 | 14 | 26 | 50 | 17 | 10 | 5 | M5 | |
| LM-14-1 | 8 | 9 | 14 | 26 | 70 | 17 | 10 | 5 | M5 | |

• The left and right tap positions are not correlated as shown in the drawing.

Standard Bore Diameter

| Model | Standard bore diameter d1, d2 | | | | | | | | | | | | | Unit [mm] |
|------------|-------------------------------|---|------|---|---|---|-----|-------|----|----|----|------|----|-----------|
| | 5 | 6 | 6.35 | 7 | 8 | 9 | 9.5 | 9.525 | 10 | 11 | 12 | 12.7 | 14 | |
| LM-6 (-1) | ● | ● | | | | | | | | | | | | |
| LM-9 (-1) | | ● | ● | ● | ● | ● | | | | | | | | |
| LM-14 (-1) | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● |

• Further bore diameters and keyways possible on request.

How to Place an Order

