MCM08

MC M 08 040 H 10

- MC: Monocarrier
- M: M Series
- 08: Nominal size (Rail width in 10mm increments)
- 040: Stroke (in 10mm increments)
- H: Accuracy grade (H: High grade)
- 10: Ball screw lead (mm)

(1) Easy Design & Installation
The base body, ball screw and its support bearings, and linear bearings are integrated into a single unit. This significantly reduces design work and installation time for users.

(2) Lightweight & Compact
An integrated structure achieves a smaller cross-sectional size. Compared to conventional assembled-type actuator tables, the weight has been reduced by approximately 50%.

(3) High Rigidity
The base body has a U-shaped cross-section, making it lightweight yet resistant to deflection. It can be used with single-end support. The linear bearing section is preloaded, resulting in minimal elastic deformation.

(4) Long Service Life
The rolling structure reduces wear, allowing for long-term use.

(5) Smooth Movement & High Accuracy
The rolling structure minimizes friction and provides high positioning accuracy.

(6) Equal Load Capacity in Four Directions
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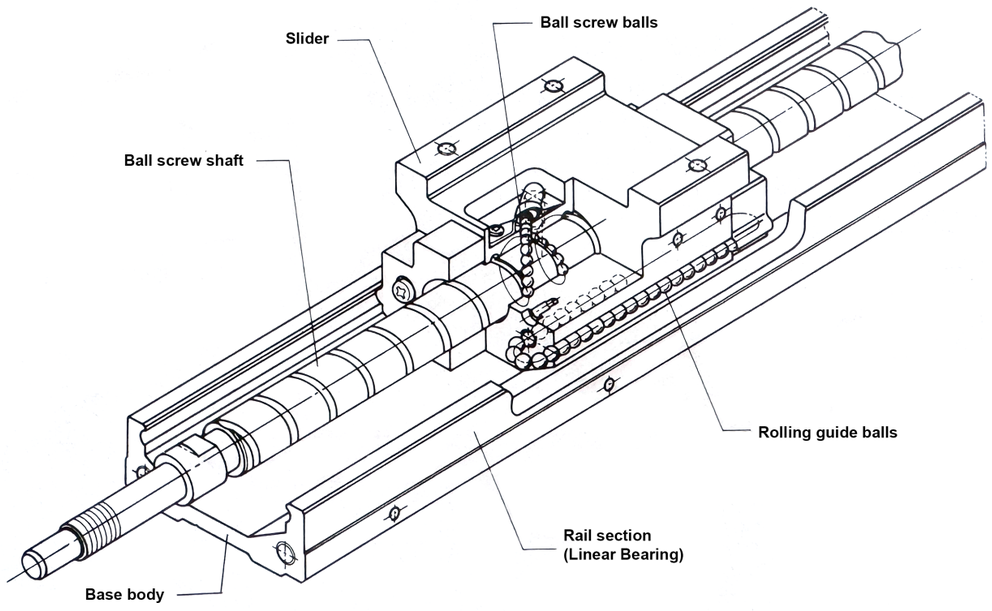

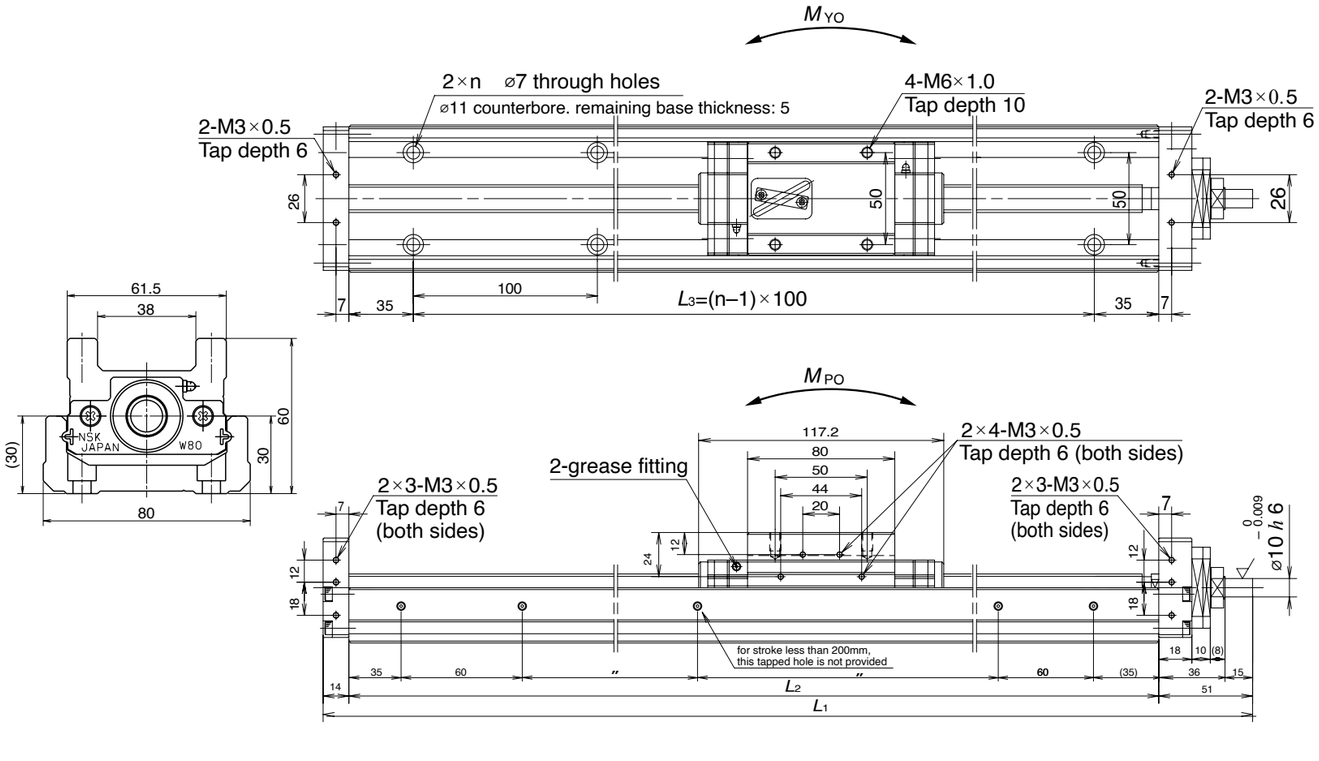

Unit: mm

Model No.	Nominal stroke (mm)	Ball screw lead (mm)	Overall length dimensions (mm) L1	L2	L3	Mounting Holes N	GD² (kgf • cm²)	Weight (kgf)
MCM08040H10-000A	400	10	635	570	500	6	0.79	7.4
MCM08040H20-000A		20					1.18	

Ball Screw Specifications

Shaft diameter (mm)		15	
Lead (mm)		10	20
Effective no. of turns		2.5 × 1	1.5 × 1
Basic rated load (kgf)	Dynamic load rating Ca	720	465
	Static load rating C0a	1300	790

Linear Bearing Specifications

Basic rated load (kgf)	Dynamic load rating Ca	1460
	Static load rating C0	2320
Preload (kgf)		15
Static rated load (kgf•m)	MR0	74
	MP0	28
	MY0	28

Remarks
1. The recommended regreasing interval is 3 – 6 months during initial operation, and once per year after.
2. Limit stroke = Nominal stroke + 26 (allowance) x 2