

Linear Motor Module

- Fully-Sealed Structure
- Max. Stroke: 5500mm
- Max. Speed 5m/s
- Motor Continuous Thrust Range: 103N~308N
- Rail Specification: 15-2 PCS

Linear Motion

Horizontal Plane

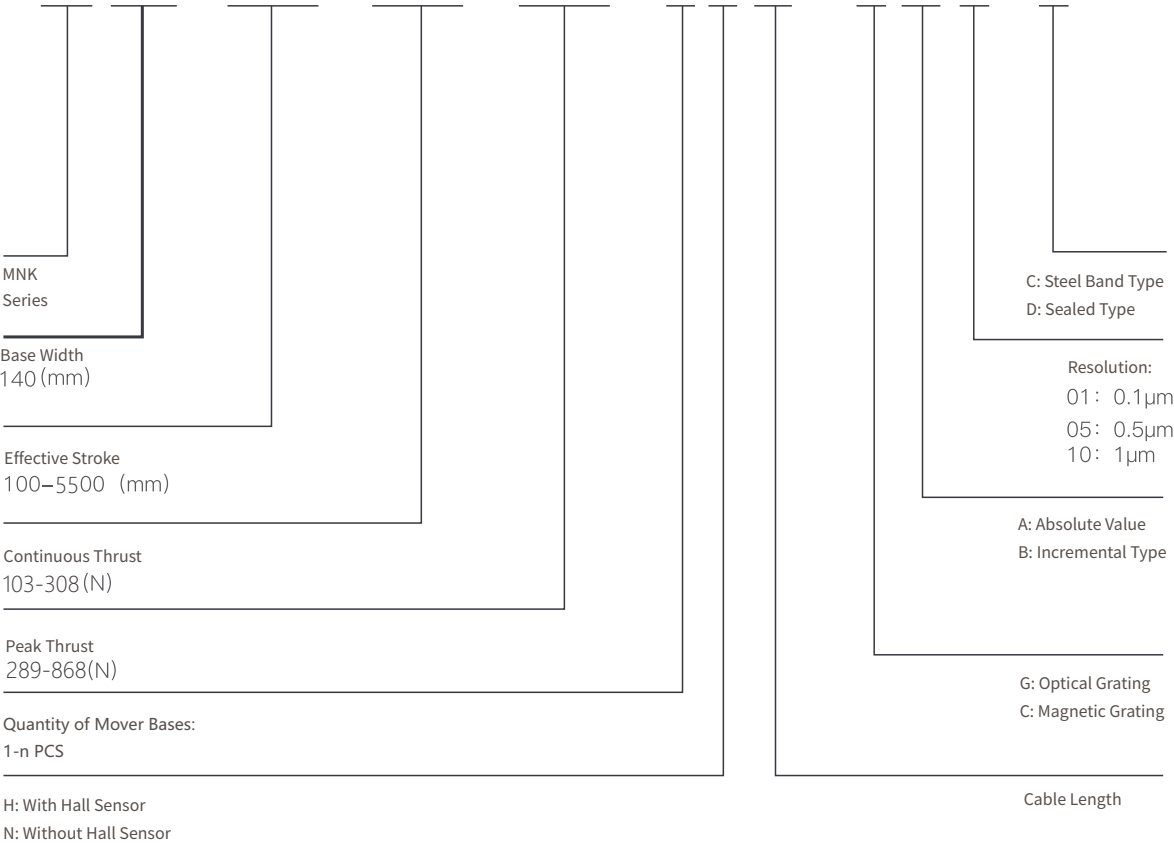
Angular

Rotary

Vertical & Rotary

Model Number Designation System

MNK140 - 2000 - 103 - 289 - 1 H 03 - G A 01 C



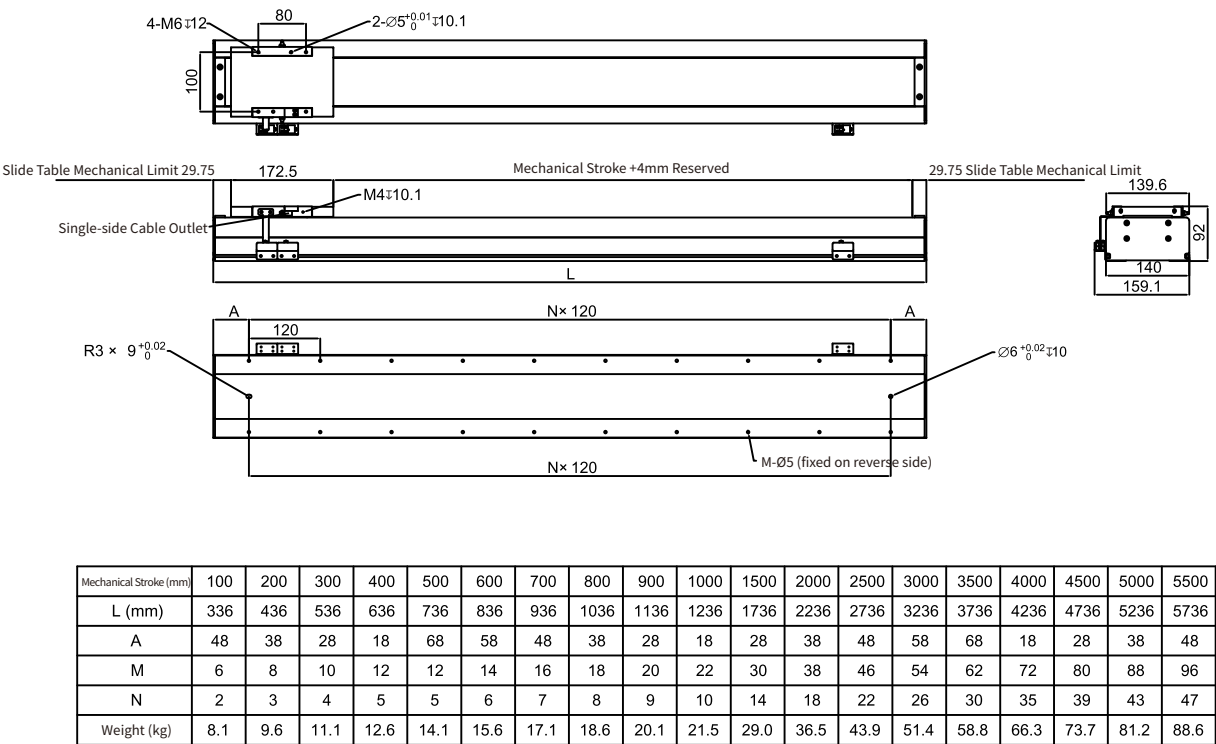
MNK140-MK11: Basic Parameters

Series			MNK140			
Peak Thrust (N)			289			
Continuous Thrust (N)			103			
Stroke (mm)			100–5500			
Repeated Positioning Precision (μm)	Feedback Type	Resolution	100–1000	1001–2000	2001–2900	2901-5500
	Optical Grating Scale	0.1μm	±1	±2	±3	±4
		0.5μm	±1	±2	±3	±4
	Magnetic Grating Scale	1μm	±2	±3	±5	±7
Max. Load Capacity (kg)			30			
Max. Speed (No Load) (m/s)	Resolution: 0.5μm/1μm		4			
	Resolution: 0.1μm		1.5			
Max. Acceleration (No Load) (m/s²)			50			

MNK140-MK11: Dimensions

In Stock

Lead Time: 15-20 Days
*The lead time is subject to change during special periods. Please consult our sales team.

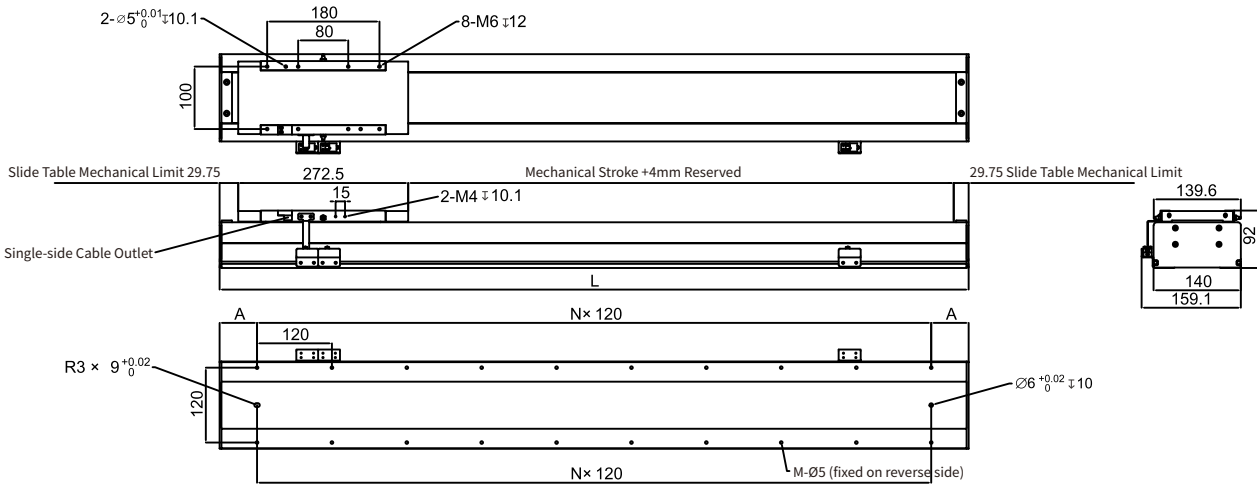


• MNK140-MK12: Basic Parameters

Series			MNK140			
Peak Thrust (N)			579			
Continuous Thrust (N)			205			
Stroke (mm)			100–5500			
Repeated Positioning Precision (μm)	Feedback Type	Resolution	100–1000	1001–2000	2001–2800	2801-5500
	Optical Grating Scale	0.1μm	±1	±2	±3	±4
		0.5μm	±1	±2	±3	±4
	Magnetic Grating Scale	1μm	±2	±3	±5	±7
Max. Load Capacity (kg)			60			
Max. Speed (No Load) (m/s)	Resolution: 0.5μm/1μm		4			
	Resolution: 0.1μm		1.5			
Max. Acceleration (No Load) (m/s²)			50			

• MNK140-MK12: Dimensions

In Stock Lead Time: 15-20 Days
* The lead time is subject to change during special periods. Please consult our sales team.



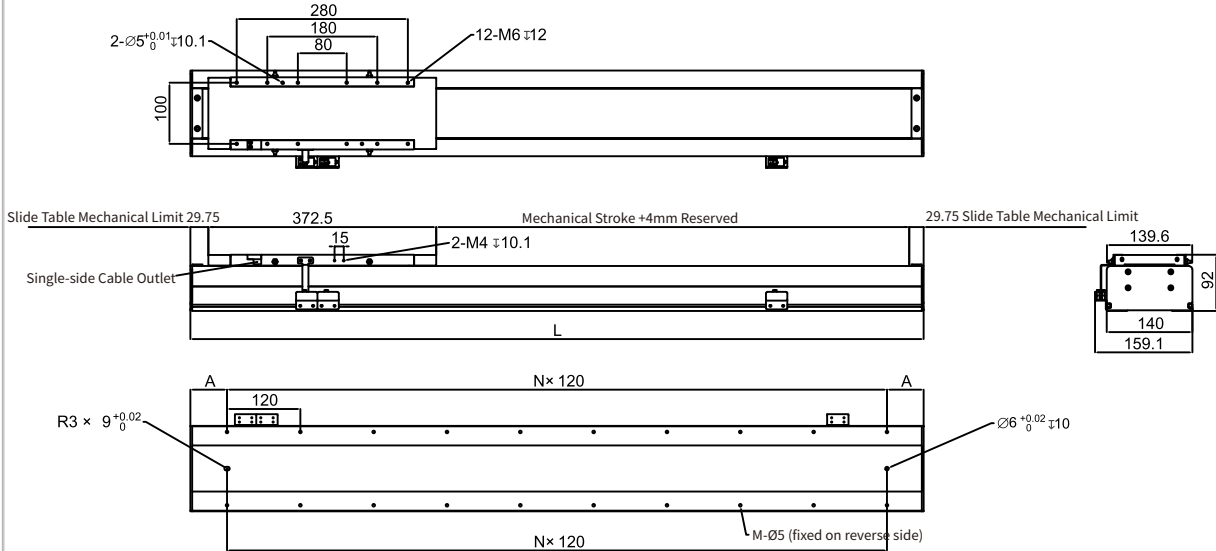
Mechanical Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L (mm)	436	536	636	736	836	936	1036	1136	1236	1336	1836	2336	2836	3336	3836	4336	4836	5336	5836
A	38	28	18	68	58	48	38	28	18	68	18	28	38	48	58	68	18	28	38
M	8	10	12	12	14	16	18	20	22	22	32	40	48	56	64	72	82	90	98
N	3	4	5	5	6	7	8	9	10	10	15	19	23	27	31	35	40	44	48
Weight (kg)	11.6	13.1	14.6	16.1	17.6	19.0	20.5	22.0	23.5	25.0	32.5	39.9	47.4	54.8	62.3	69.7	77.2	84.6	92.1

• MNK140-MK13: Basic Parameters

Series			MNK140			
Peak Thrust (N)			868			
Continuous Thrust (N)			308			
Stroke (mm)			100–5500			
Repeated Positioning Precision (μm)	Feedback Type	Resolution	100–1000	1001–2000	2001–2700	2701-5500
	Optical Grating Scale	0.1μm	±1	±2	±3	±4
		0.5μm	±1	±2	±3	±4
	Magnetic Grating Scale	1μm	±2	±3	±5	±7
Max. Load Capacity (kg)			100			
Max. Speed (No Load) (m/s)	Resolution: 0.5μm/1μm		4			
	Resolution: 0.1μm		1.5			
Max. Acceleration (No Load) (m/s²)			50			

• MNK140-MK13: Dimensions

In Stock Lead Time: 15-20 Days
* The lead time is subject to change during special periods. Please consult our sales team.



Mechanical Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L (mm)	536	636	736	836	936	1036	1136	1236	1336	1436	1936	2436	2936	3436	3936	4436	4936	5436	5936
A	28	18	68	58	48	38	28	18	68	58	68	18	28	38	48	58	68	18	28
M	10	12	12	14	16	18	20	22	22	24	32	42	50	58	66	74	82	92	100
N	4	5	5	6	7	8	9	10	10	11	15	20	24	28	32	36	40	45	49
Weight (kg)	14.9	16.3	17.8	19.3	20.8	22.3	23.8	25.3	26.8	28.3	35.7	43.2	50.6	58.1	65.5	73.0	80.5	87.9	95.4