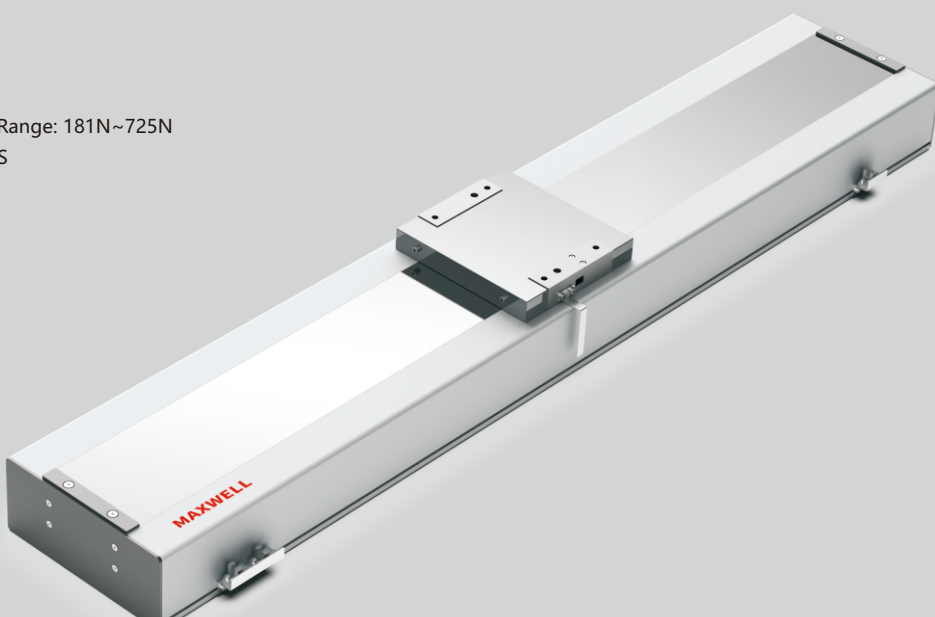


Linear Motor Module

- Fully-Sealed Structure
- Max. Stroke: 5500mm
- Max. Speed 5m/s
- Motor Continuous Thrust Range: 181N~725N
- Rail Specification: 20-2 PCS



Linear Motion

Horizontal Plane 2

Angular

Rotary

Vertical to Rotary

Model Number Designation System

MNK200 - 2000 - 181 - 512 - 1 H 03 - G A 01 C

MNK Series

Base Width 200(mm)

Effective Stroke 100-5500 (mm)

Continuous Thrust 181-725 (N)

Peak Thrust 512-2048 (N)

Quantity of Mover Bases: 1-n PCS

H: With Hall Sensor
N: Without Hall Sensor

C: Steel Band Type
D: Sealed Type

Resolution:
01: 0.1μm
05: 0.5μm
10: 1μm

A: Absolute Value
B: Incremental Type

G: Optical Grating
C: Magnetic Grating

Cable Length

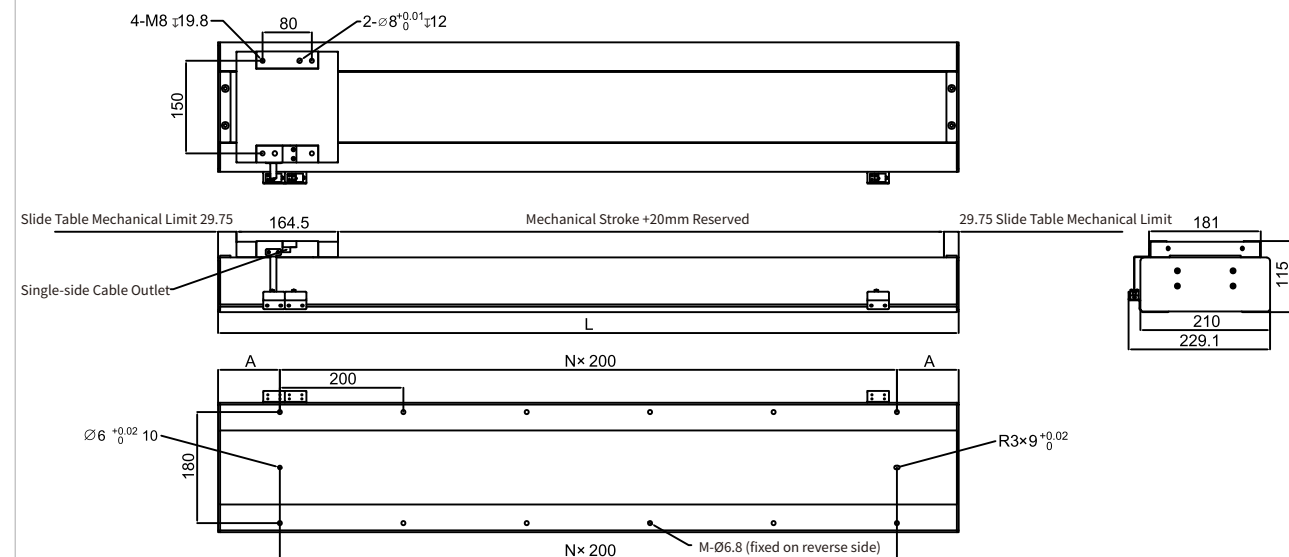
Note:
Magnetic grating scale resolution: Standard 1μm
Optical grating scale resolution: Standard 0.1um or 0.5um
Please refer to the corresponding technical drawings for dust protection specifications.

MNK200-MK21: Basic Parameters

Series			MNK200			
Peak Thrust (N)			512			
Continuous Thrust (N)			181			
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)			60			
Max. Speed (No Load) (m/s)	Resolution: 0.5μm/1μm		4			
	Resolution: 0.1μm		1.5			
Max. Acceleration (No Load) (m/s²)			50			

MNK200-MK21: Dimensions

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



Slide Table Mechanical Limit 29.75

Single-side Cable Outlet

29.75 Slide Table Mechanical Limit

181

115

210

229.1

164.5

Mechanical Stroke +20mm Reserved

L

A

200

N×200

A

180

∅6 ^{+0.02} 10

R3×9 ^{+0.02}

N×200

M-∅6.8 (fixed on reverse side)

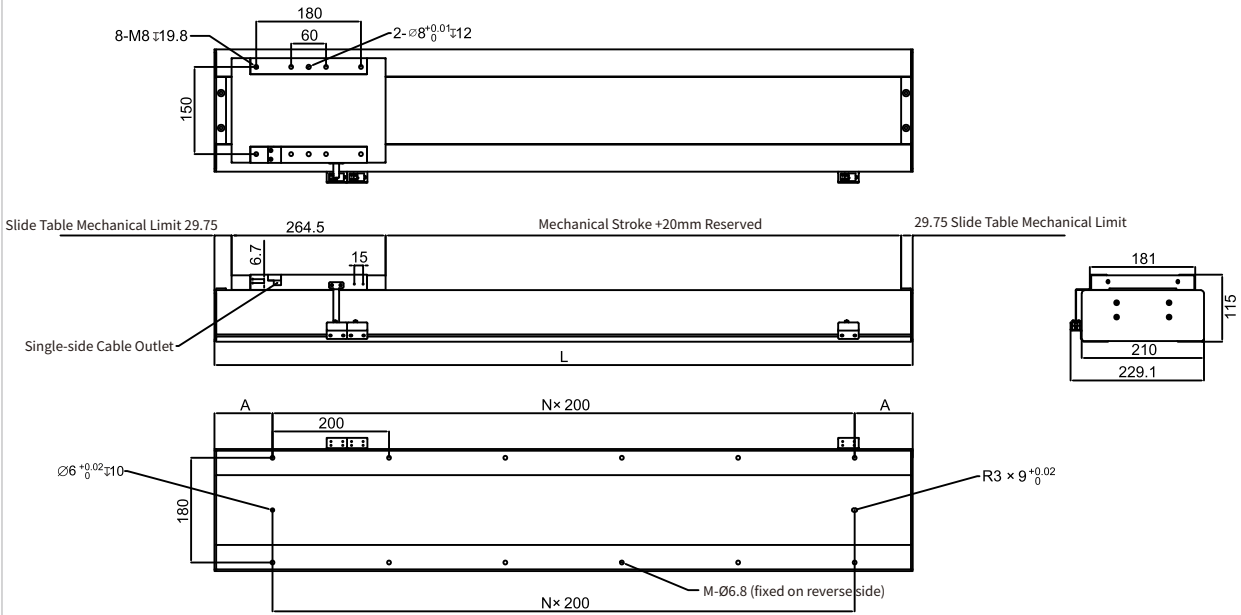
Mechanical Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L (mm)	344	444	544	644	744	844	944	1044	1144	1244	1744	2244	2744	3244	3744	4244	4744	5244	5744
A	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
M	4	6	6	8	8	10	10	12	12	14	18	24	28	34	38	44	48	54	58
N	1	2	2	3	3	4	4	5	5	6	8	11	13	16	18	21	23	26	28
Weight (kg)	15.1	17.8	20.5	23.3	26.0	28.7	31.4	34.2	36.9	39.6	53.2	66.8	80.4	94.0	107.6	121.2	134.8	148.4	162.0

• MNK200-MK22: Basic Parameters

Series			MNK200			
Peak Thrust (N)			1023			
Continuous Thrust (N)			362			
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)			120			
Max. Speed (No Load) (m/s)	Resolution: 0.5μm/1μm		4			
	Resolution: 0.1μm		1.5			
Max. Acceleration (No Load) (m/s²)			50			

• MNK200-MK22: Dimensions

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



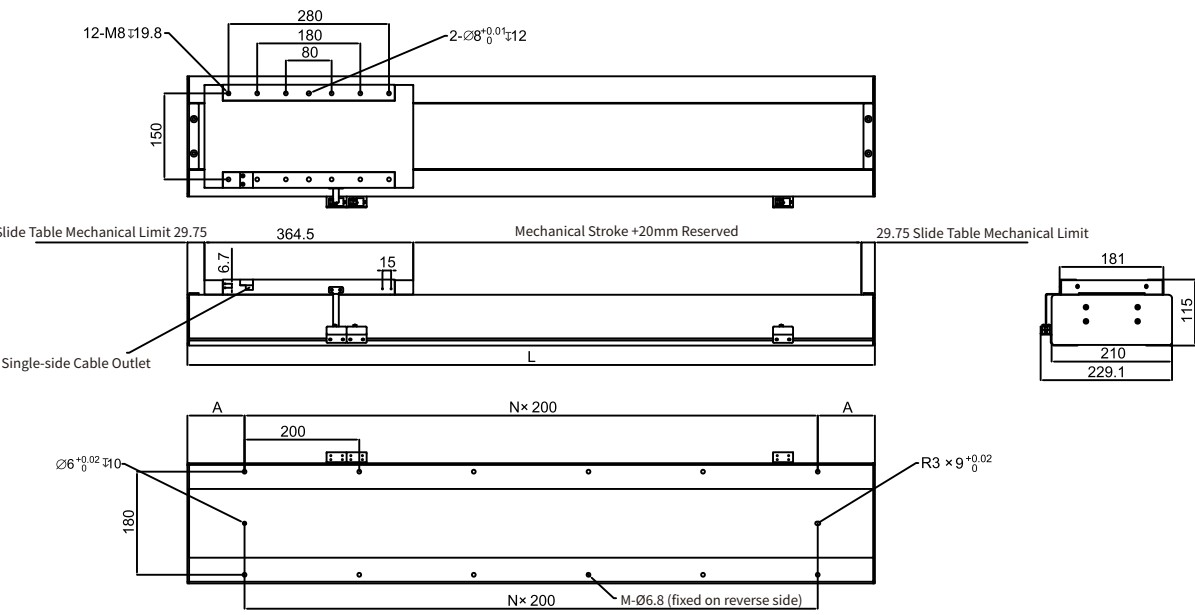
Mechanical Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L (mm)	444	544	644	744	844	944	1044	1144	1244	1344	1844	2344	2844	3344	3844	4344	4844	5344	5844
A	22	72	22	72	22	72	22	72	22	72	22	72	22	72	22	72	22	72	22
M	6	6	8	8	10	10	12	12	14	14	20	24	30	34	40	44	50	54	60
N	2	2	3	3	4	4	5	5	6	6	9	11	14	16	19	21	24	26	29
Weight (kg)	21.7	24.4	27.1	29.8	32.6	35.3	38.0	40.7	43.4	46.2	59.8	73.4	87.0	100.6	114.2	127.8	141.4	155.0	168.6

• MNK200-MK23: Basic Parameters

Series			MNK200			
Peak Thrust (N)			1535			
Continuous Thrust (N)			544			
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)			180			
Max. Speed (No Load) (m/s)	Resolution: 0.5μm/1μm		4			
	Resolution: 0.1μm		1.5			
Max. Acceleration (No Load) (m/s²)			50			

• MNK200-MK23: 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)	544	644	744	844	944	1044	1144	1244	1344	1444	1944	2444	2944	3444	3944	4444	4944	5444	5944
A	72	22	72	22	72	22	72	22	72	22	72	22	72	22	72	22	72	22	72
M	6	8	8	10	10	12	12	14	14	16	20	26	30	36	40	46	50	56	60
N	2	3	3	4	4	5	5	6	6	7	9	12	14	17	19	22	24	27	29
Weight (kg)	28.3	31.1	33.8	36.5	39.2	42.0	44.7	47.4	50.1	52.8	66.4	80.0	93.7	107.3	120.9	134.5	148.1	161.7	175.3

• MNK200-MK24: Basic Parameters

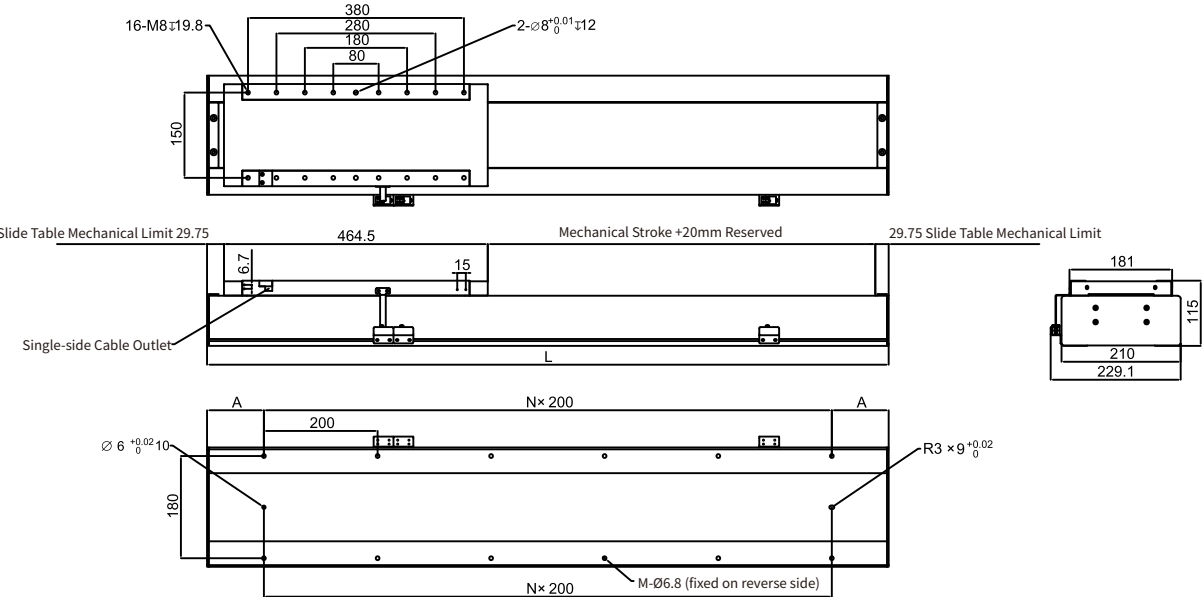
Series			MNK200			
Peak Thrust (N)			2048			
Continuous Thrust (N)			725			
Stroke (mm)			100–5500			
Repeated Positioning Precision (μm)	Feedback Type	Resolution	100–1000	1001–2000	2001–2700	2701-5500
	Optical Grating Scale	0.1μm	±1	±2	±3	±4
		0.5μm	±1	±2	±3	±4
	Magnetic Grating Scale	1μm	±2	±3	±5	±7
Max. Load Capacity (kg)			180			
Max. Speed (No Load) (m/s)	Resolution: 0.5μm/1μm		4			
	Resolution: 0.1μm		1.5			
Max. Acceleration (No Load) (m/s²)			50			

• MNK200-MK24: Dimensions



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)	644	744	844	944	1044	1144	1244	1344	1444	1544	2044	2544	3044	3544	4044	4544	5044	5544	6044
A	22	72	22	72	22	72	22	72	22	72	22	72	22	72	22	72	22	72	22
M	8	8	10	10	12	12	14	14	16	16	22	26	32	36	42	48	52	56	62
N	3	3	4	4	5	5	6	6	7	7	10	12	15	17	20	23	25	27	30
Weight (kg)	35.0	37.8	40.5	43.2	45.9	48.7	51.4	54.1	56.8	59.5	73.1	86.8	100.4	114.0	127.6	141.2	154.8	168.4	182.0

MEMO