

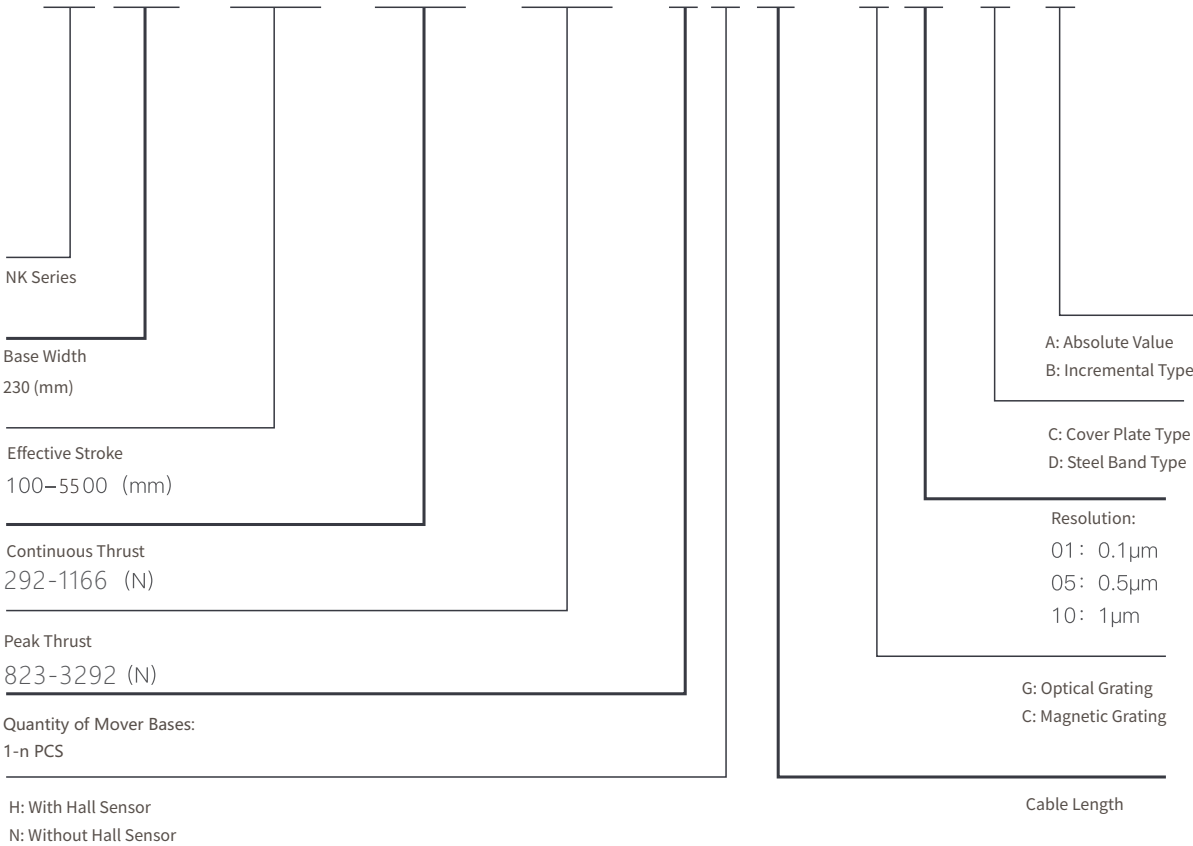
Linear Motor Module

- Semi-sealed Structure
- Max. Stroke: 5500mm
- Max. Speed: 5m/s
- Motor Continuous Thrust Range: 292N~1166N
- Rail Specification: 20-2 PCS



Model Number Designation System

NK230 - 2000 - 292 - 823 - 1 H 03 - G 01 C A



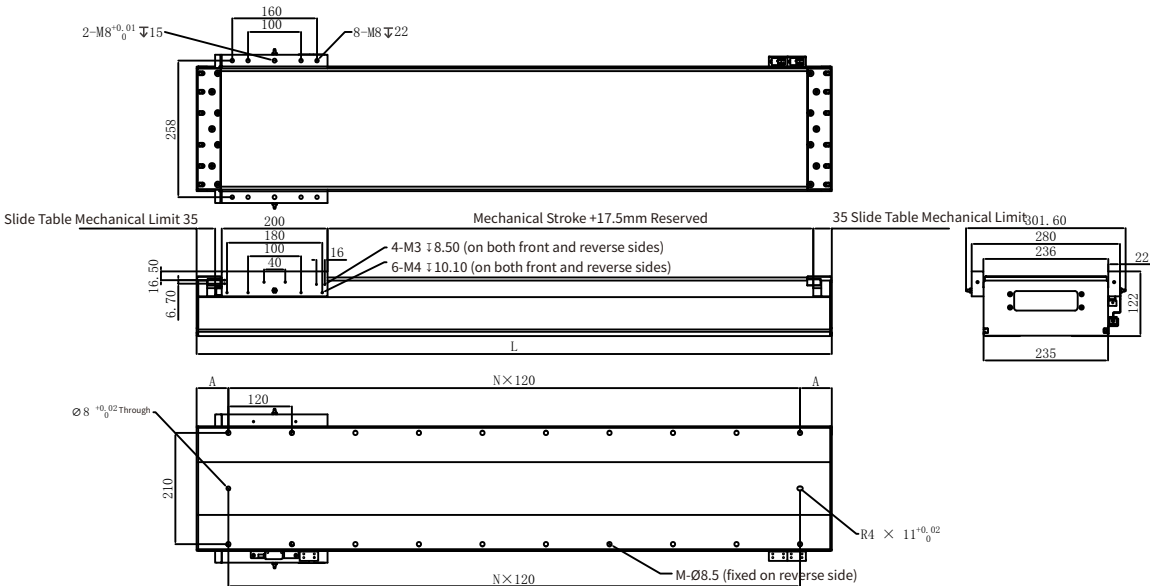
Note:
Magnetic grating scale resolution: Standard 1μm
Optical grating scale resolution: Standard 0.1μm or 0.5μm
Please refer to the corresponding technical drawings for dust protection specifications.

NK230-MK31: Basic Parameters

Series			NK230			
Peak Thrust (N)			823			
Continuous Thrust (N)			292			
Stroke (mm)			100–5500			
Repeated Positioning Precision (μm)	Feedback Type	Resolution	100–1000	1001–2000	2001–3700	3701-5500
	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			

NK230-MK31: Dimensions

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



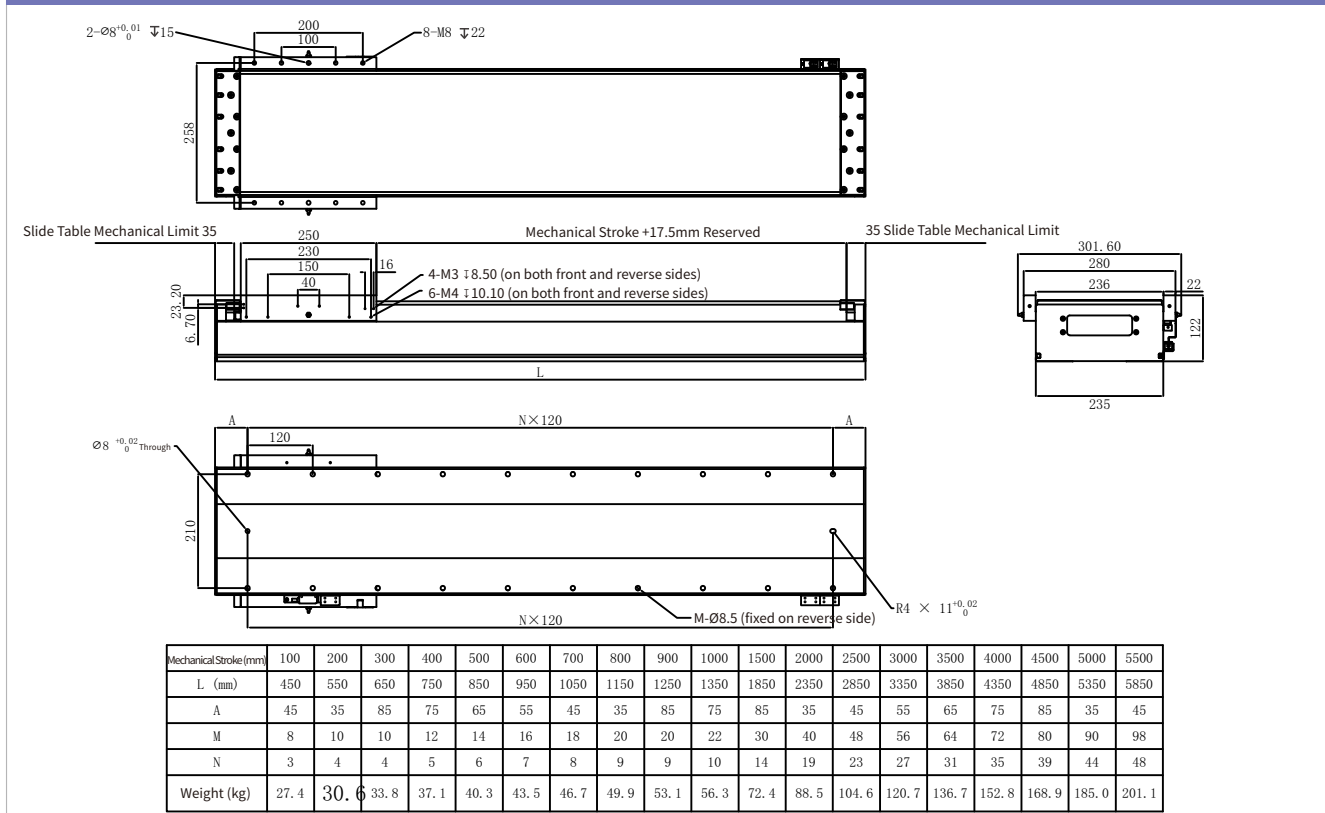
Mechanical Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L (mm)	400	500	600	700	800	900	1000	1100	1200	1300	1800	2300	2800	3300	3800	4300	4800	5300	5800
A	80	70	60	50	40	30	80	70	60	50	60	70	80	30	40	50	60	70	80
M	6	8	10	12	14	16	18	20	22	30	38	46	56	64	72	80	88	96	
N	2	3	4	5	6	7	8	9	10	14	18	22	27	31	35	39	43	47	
Weight (kg)	21.8	25.0	28.3	31.5	34.7	37.9	41.1	44.3	47.6	50.8	66.8	82.9	99.0	115.1	131.2	147.2	163.3	179.4	195.5

• NK230-MK32: Basic Parameters

Series			NK230			
Peak Thrust (N)			1646			
Continuous Thrust (N)			583			
Stroke (mm)			100–5500			
Repeated Positioning Precision (μm)	Feedback Type	Resolution	100–1000	1001–2000	2001–3650	3651-5500
	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)			200			
Max. Speed (No Load) (m/s)	Resolution: 0.5μm/1μm		4			
	Resolution: 0.1μm		1.5			
Max. Acceleration (No Load) (m/s²)			50			

• NK230-MK32: Dimensions

In Stock Lead Time: 15-20 Days
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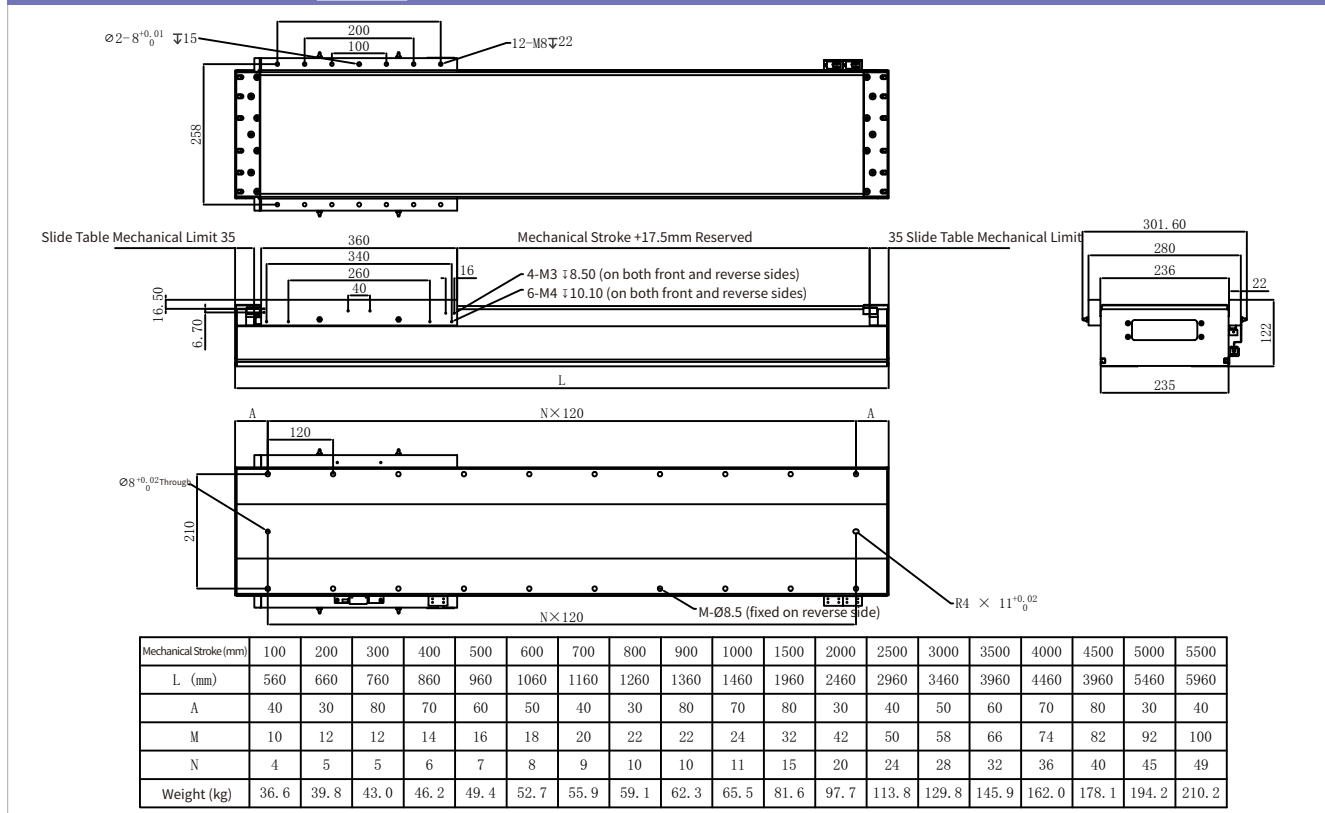


• NK230-MK33: Basic Parameters

Series			NK230			
Peak Thrust (N)			2469			
Continuous Thrust (N)			875			
Stroke (mm)			100–5500			
Repeated Positioning Precision (μm)	Feedback Type	Resolution	100–1000	1001–2000	2001–3550	3551-5500
	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)			300			
Max. Speed (No Load) (m/s)	Resolution: 0.5μm/1μm		4			
	Resolution: 0.1μm		1.5			
Max. Acceleration (No Load) (m/s²)			50			

• NK230-MK33: Dimensions

In Stock Lead Time: 15-20 Days
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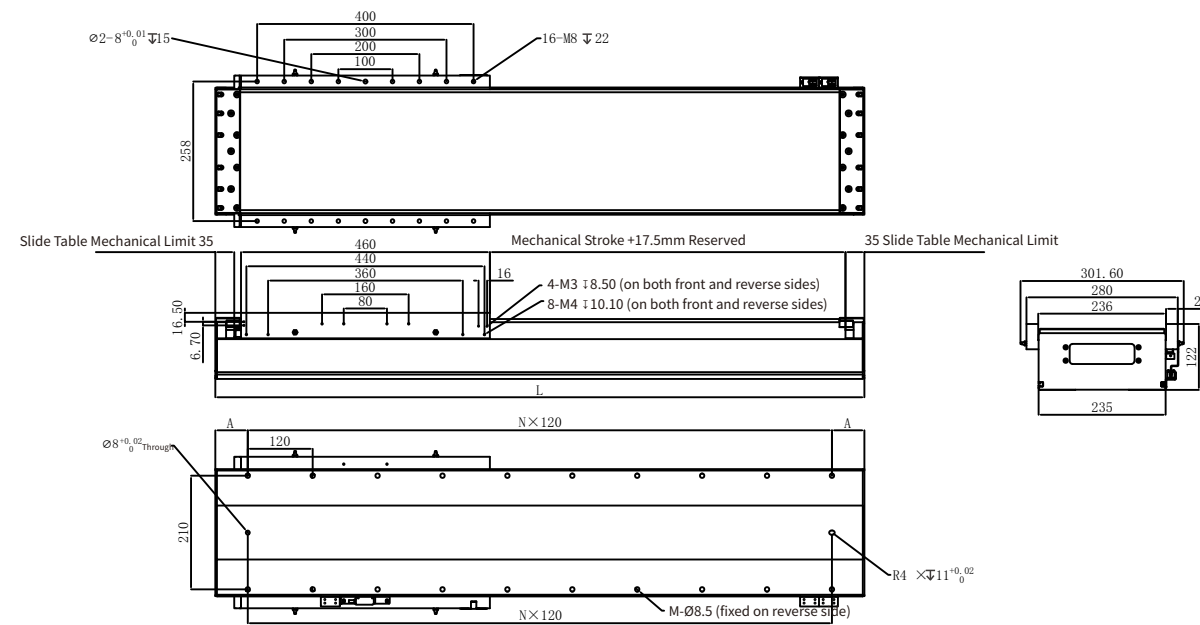


- NK230-MK34: Basic Parameters

Product Performance Parameters						
Series			NK230			
Peak Thrust (N)			3292			
Continuous Thrust (N)			1166			
Stroke (mm)			100–5500			
Repeated Positioning Precision (μm)	Feedback Type		100-1000	1001-2000	2001-3550	3551-5500
	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)			350			
Max. Speed (No Load) (m/s)	Resolution: 0.5μm/1μm		4			
	Resolution: 0.1μm		1.5			
Max. Acceleration (No Load) (m/s²)			50			

- NK230-MK34: 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)	660	760	860	960	1060	1160	1260	1360	1460	1560	2060	2560	3060	3560	4060	4560	5060	5560	6060
A	30	80	70	60	60	40	30	80	70	60	70	80	30	40	50	60	70	80	30
M	12	12	14	16	18	20	22	22	24	26	34	42	52	60	68	76	84	92	102
N	5	5	6	7	8	9	10	10	11	12	16	20	25	29	33	37	41	45	50
Weight (kg)	43.6	46.8	50.0	53.2	56.5	59.7	62.9	66.1	69.3	72.5	88.6	104.7	120.8	136.9	152.9	169.0	185.1	201.2	217.3

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