

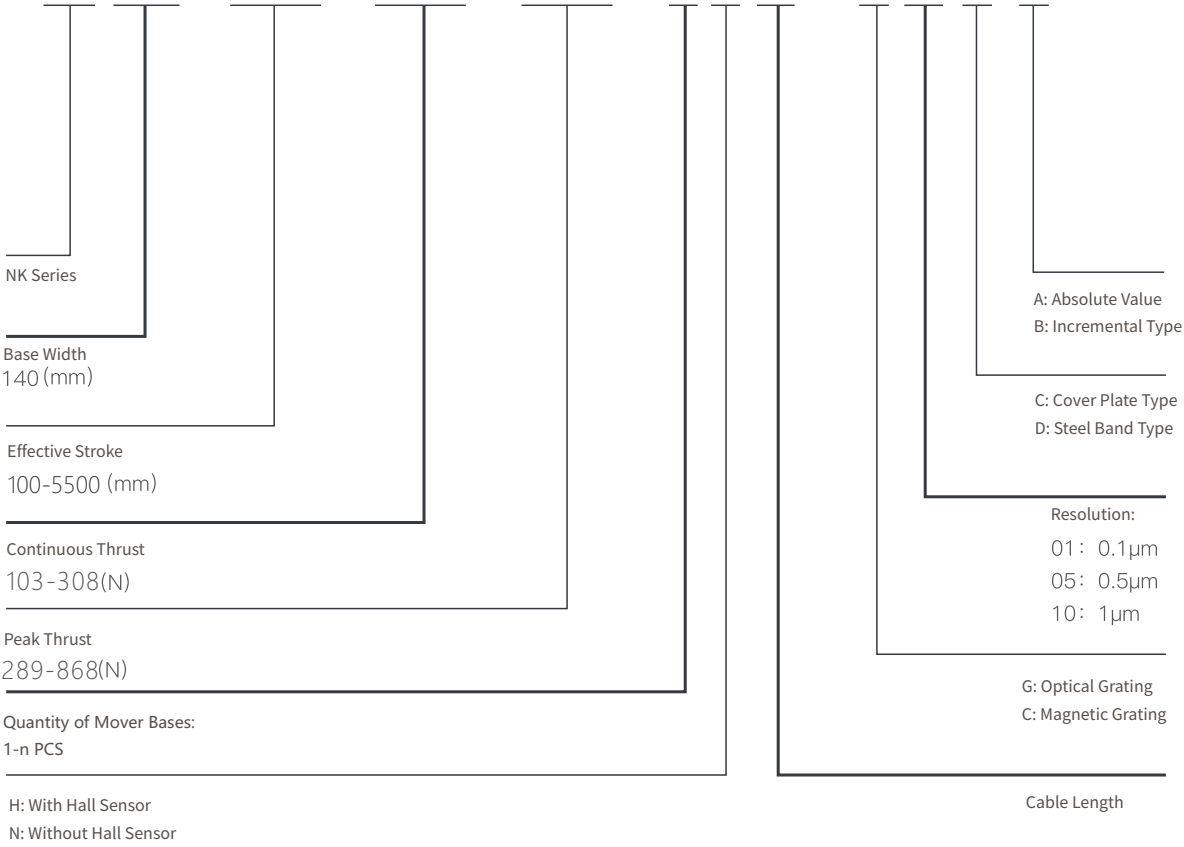
Linear Motor Module

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



• Model Number Designation System

NK140 - 2000 - 103 - 289 - 1 H 03 - G 01 C A



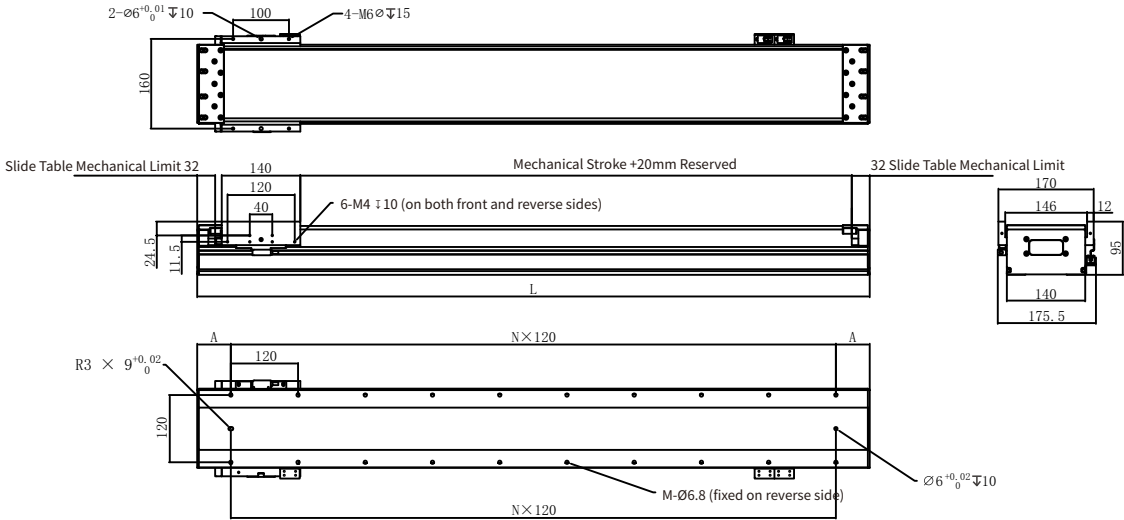
Note:
Magnetic grating scale resolution: Standard 1μm
Optical grating scale resolution: Standard 0.1um or 0.5um
Please refer to the corresponding technical drawings for dust protection specifications.

• NK140-MK11: Basic Parameters

Series			NK140			
Peak Thrust (N)			289			
Continuous Thrust (N)			103			
Stroke (mm)			100–5500			
Repeated Positioning Precision (μm)	Feedback Type	Resolution	100–1000	1001–2000	2001–3800	3800-5500
	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			

• NK140-MK11: Dimensions

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



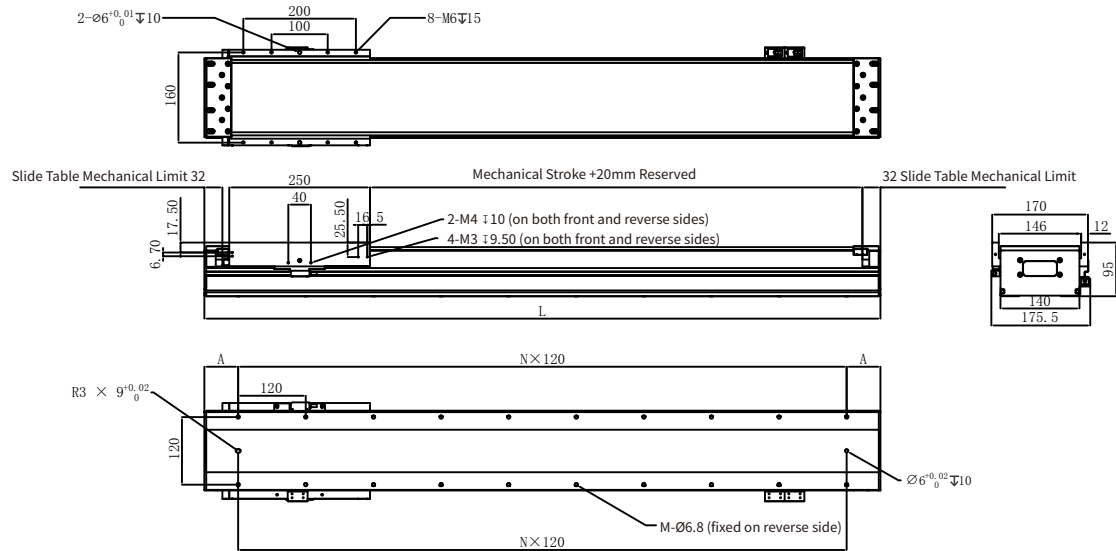
Mechanical Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L (mm)	336	436	536	636	736	836	936	1036	1136	1236	1736	2236	2736	3236	3736	4236	4736	5236	5736
A	48	38	28	78	68	58	48	38	28	78	28	38	48	58	68	78	28	38	48
M	6	8	10	10	12	14	16	18	20	20	30	38	46	54	62	70	80	88	96
N	2	3	4	4	5	6	7	8	9	9	14	18	22	26	30	34	39	43	47
Weight (kg)	9.0	10.6	12.1	13.7	15.2	16.8	18.3	19.9	21.4	23.0	30.7	38.5	46.2	54.0	61.7	69.5	77.2	85.0	92.7

• NK140-MK12: Basic Parameters

Series			NK140			
Peak Thrust (N)			579			
Continuous Thrust (N)			205			
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)			60			
Max. Speed (No Load) (m/s)	Resolution: 0.5μm/1μm		4			
	Resolution: 0.1μm		1.5			
Max. Acceleration (No Load) (m/s²)			50			

• NK140-MK12: Dimensions

In Stock Lead Time: 15-20 Days
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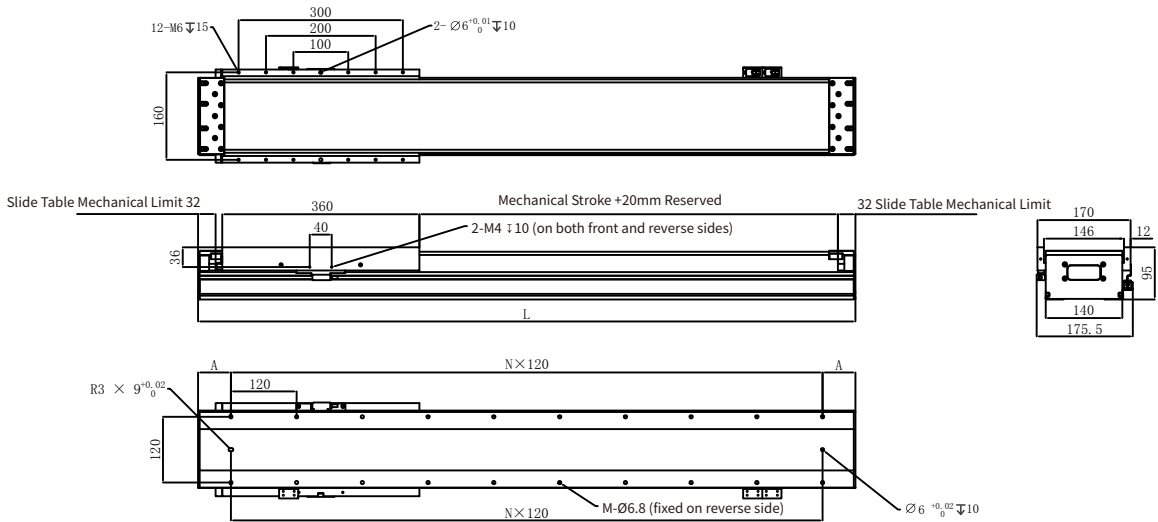
Mechanical Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L (mm)	450	550	650	750	850	950	1050	1150	1250	1350	1850	2350	2850	3350	3850	4350	4850	5350	5850
A	45	35	85	75	65	55	45	35	85	75	85	35	45	55	65	75	85	35	45
M	8	10	10	12	14	16	18	20	20	22	30	40	48	56	64	72	80	90	98
N	3	4	4	5	6	7	8	9	9	10	14	19	23	27	31	35	39	44	48
Weight (kg)	12.5	14.1	15.6	17.2	18.7	20.3	21.8	23.4	24.9	26.5	34.2	42.0	49.7	57.5	65.2	73.0	80.7	88.5	96.2

• NK140-MK13: Basic Parameters

Series			NK140			
Peak Thrust (N)			868			
Continuous Thrust (N)			308			
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)			100			
Max. Speed (No Load) (m/s)	Resolution: 0.5μm/1μm		4			
	Resolution: 0.1μm		1.5			
Max. Acceleration (No Load) (m/s²)			50			

• NK140-MK13: Dimensions

In Stock Lead Time: 15-20 Days
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Mechanical Stroke (mm)	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
L (mm)	556	656	756	856	956	1056	1156	1256	1356	1456	1956	2456	2956	3456	3956	4456	4956	5456	5956
A	38	28	78	68	58	48	38	28	78	68	78	28	38	48	58	68	78	28	38
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)	16.5	18	19.6	21.1	22.7	24.20	25.80	27.3	28.9	30.4	38.2	45.9	53.7	61.4	69.20	76.9	84.7	92.40	100.2