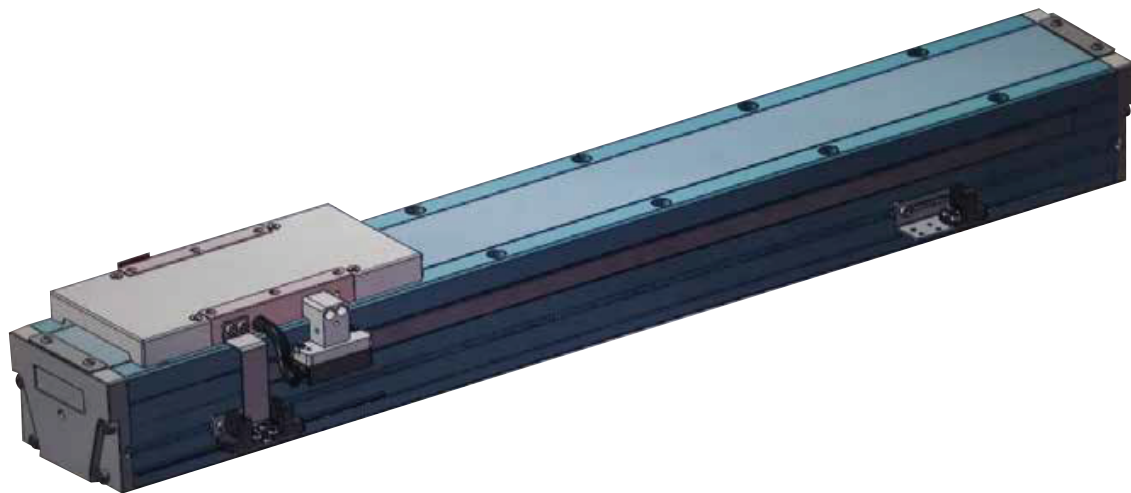


LMM SERIES

LINEAR MOTOR MODULE

Characteristics of the linear motor modules:

1. Standard aluminium profile base
2. Driven by linearmotor, the moving stator operates without contact
3. Long
4. High installation rigidity and load ratio
5. Multiple independent movers can operate coaxial
6. To be installed into X-Y platforms, manipulators and double drive gantry systems



NAMING RULE:

LMM-115-01G01-1-S200-1-B-3.0

PRODUCT CATEGORY

L: Linear Motor Module

MODULE BOTTOM WIDTH [mm]

MOVER MODEL CODE

NUMBER OF MOVERS

EFFECTIVE STROKE [mm]

CABLE LENGTH [m]

POSITIONING FEEDBACK

A: 1µm

B: 0,5µm

C: 0,1 grating

D: Analogue grating

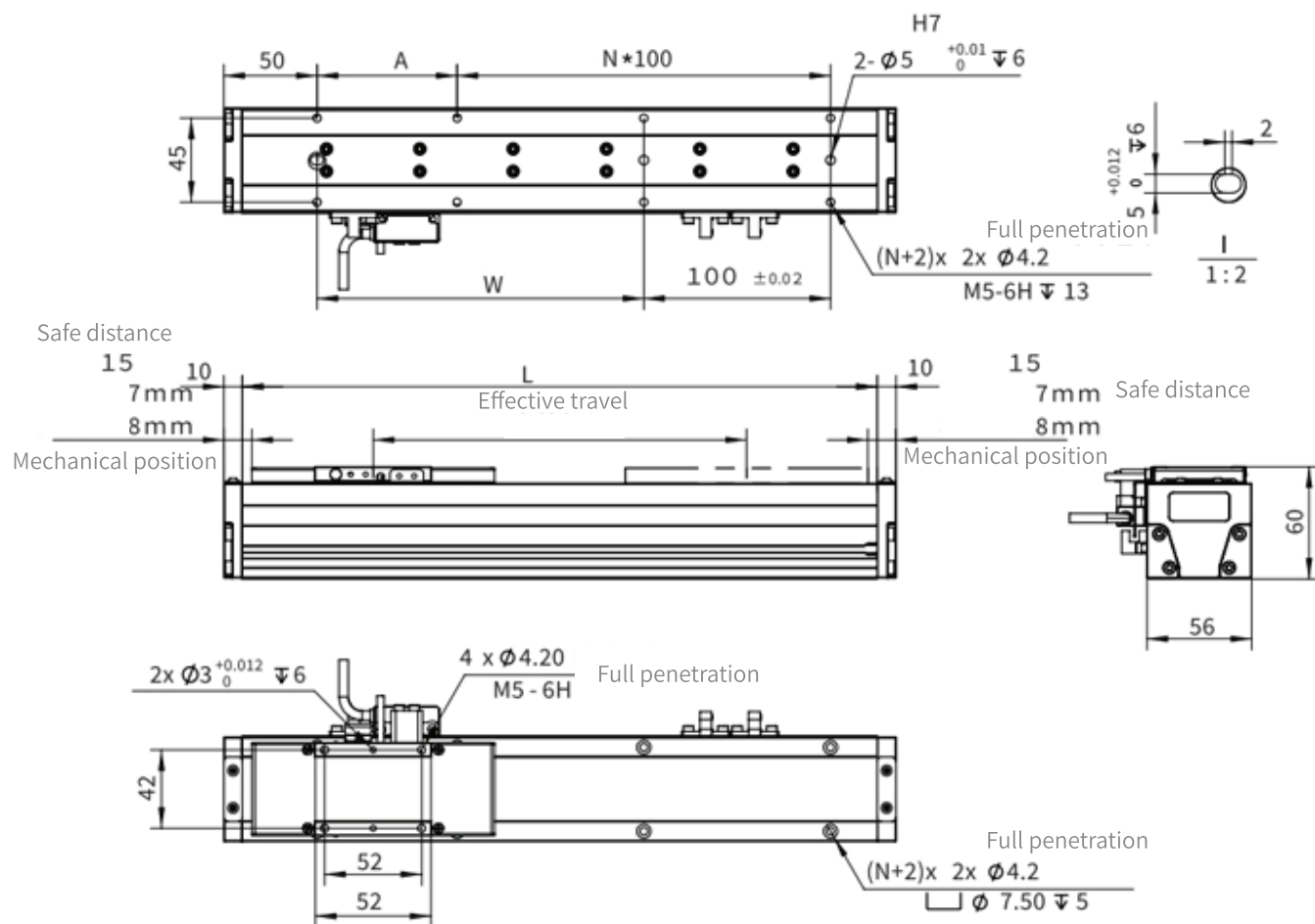
PROTECTION TYPE

0: None

1: Metal cover plate

2: Organic cover

Scope of application: Dispensing equipment, welding equipment, auto assembly equipment, etc.



SERIES PARAMETERS

48 N
Sustained thrust

2.5 Arms
Continuous current

1M
Standard cable length

96 N
Peak thrust

7 Arms
Peak current

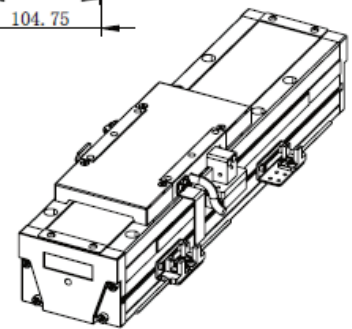
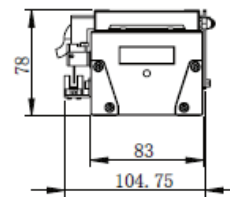
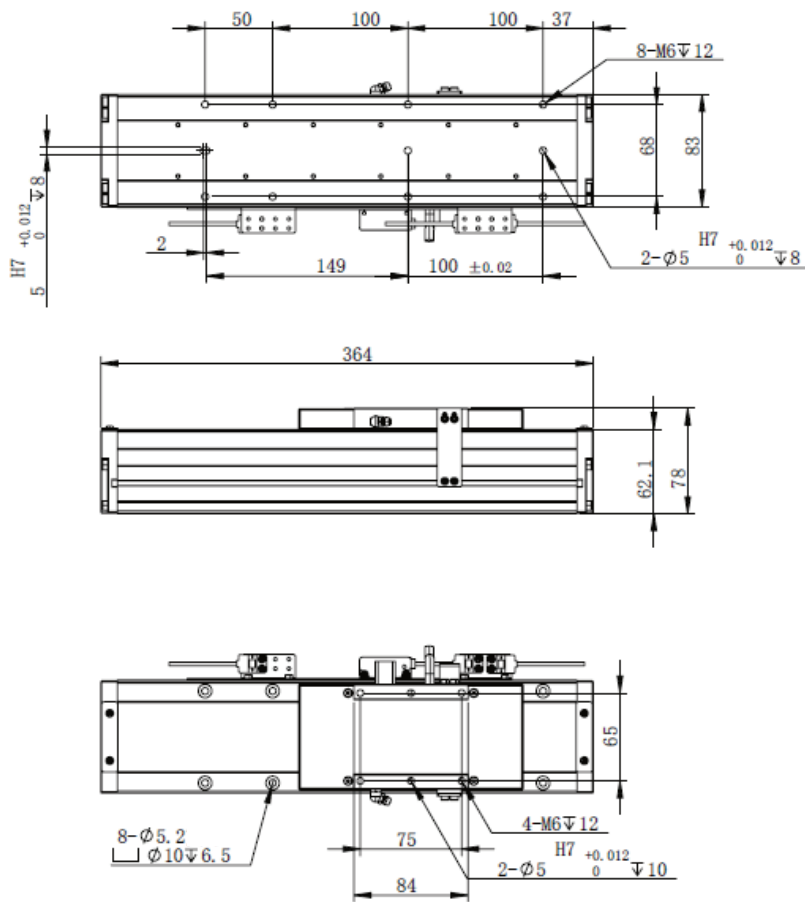
$\pm 3\mu\text{m}$
Repeating accuracy

Parameters of iron core flat panel linear motor module

Trip	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
Overall length	240	290	340	390	440	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240	1290

LMM-82

LINEAR MOTOR MODULE



SERIES PARAMETERS

84 N
Sustained thrust

3 Arms
Continuous current

1M
Standard cable length

200 N
Peak thrust

9 Arms
Peak current

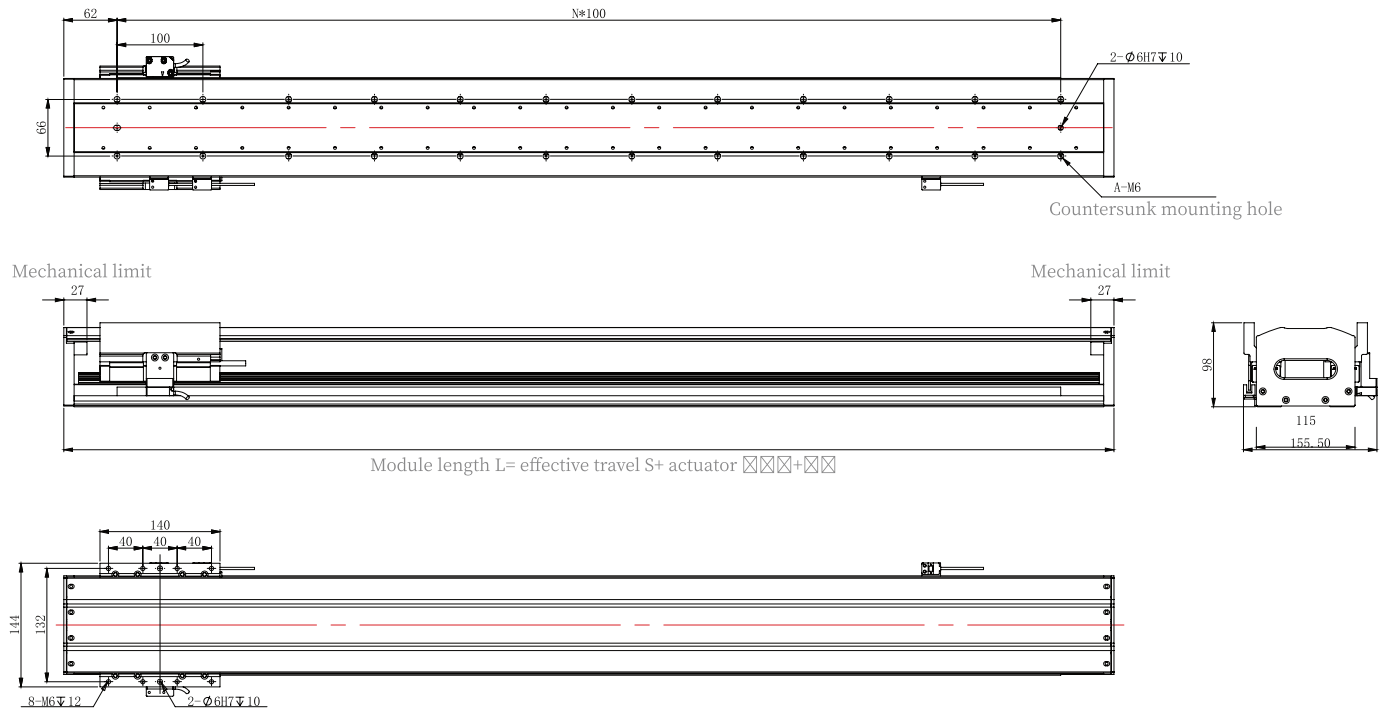
±3um
Repeating accuracy

Parameters of iron core flat panel linear motor module

Trip	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
Overall length	314	364	414	464	514	564	614	664	714	764	814	864	914	964	1014	1064	1114	1164	1214	1264	1314	1364

LMM-115-01G01

LINEAR MOTOR MODULE



SERIES PARAMETERS

94.1 N
Sustained thrust

1.9 Arms
Continuous current

LSP-01G01
Linear motor type

247.5 N
Peak thrust

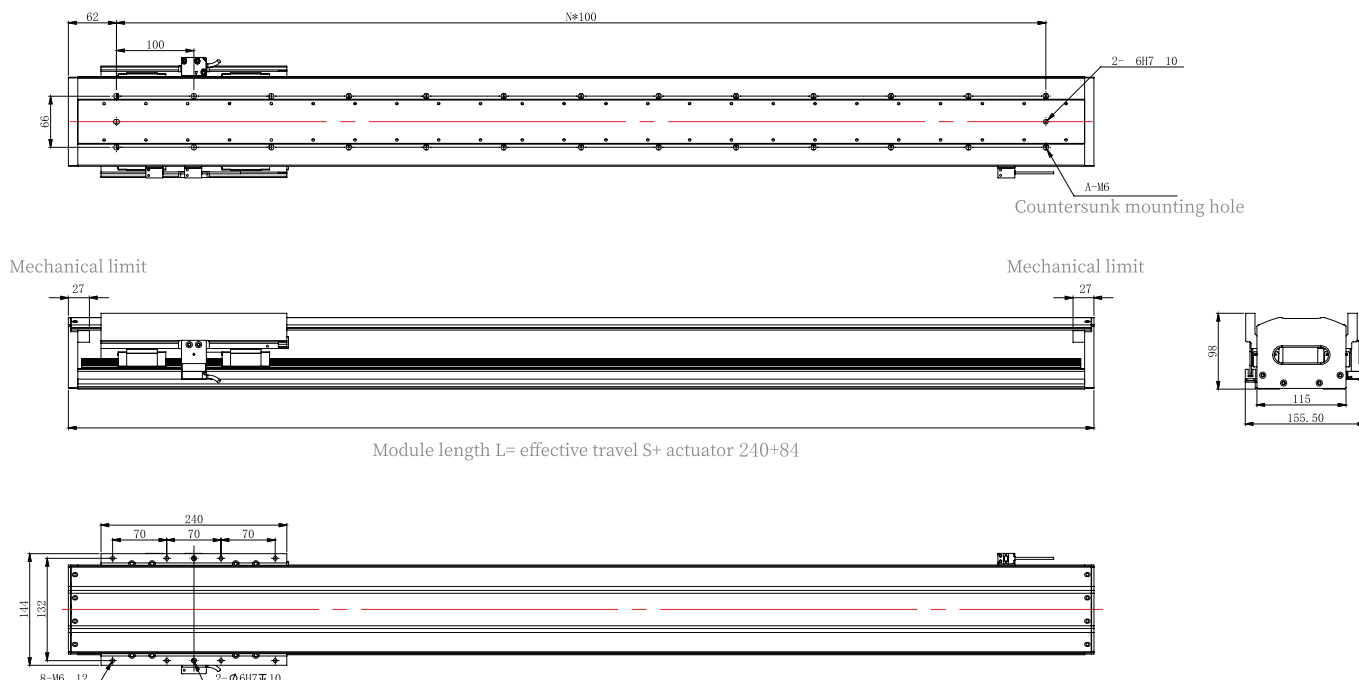
5 Arms
Peak current

Overall dimension															
S project	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
L	324	424	524	624	724	824	924	1024	1124	1224	1324	1424	1524	1624	1724
A	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34
N	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
(kg)	6.8	8	9.2	10.4	11.6	12.8	14	15.2	16.4	17.6	18.8	20	21.2	22.4	23.6

Overall dimension															
S project	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
L	1824	1924	2024	2124	2224	2324	2424	2524	2624	2724	2824	2924	3024	3124	3224
A	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64
N	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
(kg)	24.8	26	27.2	28.4	29.6	30.8	32	33.2	34.4	35.6	36.8	38	39.2	40.4	41.6

LMM-115-02G01

LINEAR MOTOR MODULE



SERIES PARAMETERS

188.1 N
Sustained thrust

3.8 Arms
Continuous current

LSP-02G01
Linear motor type

495 N
Peak thrust

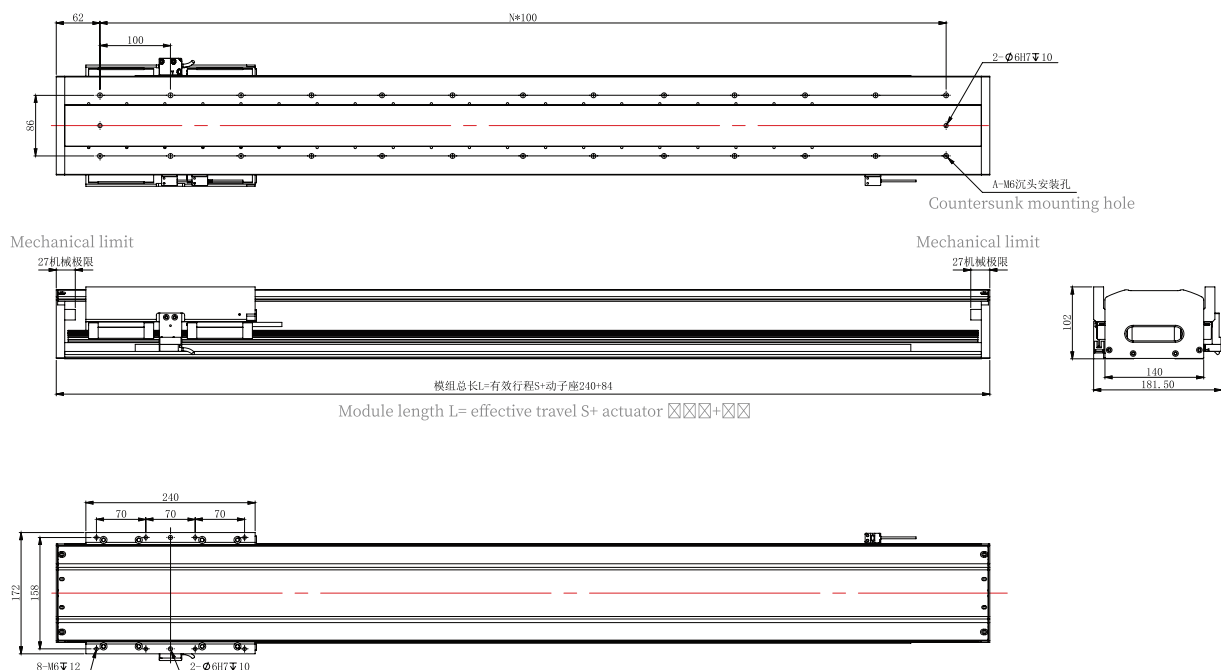
10 Arms
Peak current

Overall dimension															
S project	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
L	424	524	624	724	824	924	1024	1124	1224	1324	1424	1524	1624	1724	1824
A	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
N	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
(kg)	9.7	10.9	12.1	13.3	14.5	15.7	16.9	18.1	19.3	20.5	21.7	22.9	24.1	25.3	26.5

Overall dimension															
S project	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
L	1924	2024	2124	2224	2324	2424	2524	2624	2724	2824	2924	3024	3124	3224	3324
A	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66
N	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
(kg)	27.7	28.9	30.1	31.3	32.5	33.7	34.9	36.1	37.3	38.5	39.7	40.9	42.1	43.3	44.5

LMM-140-02G02

LINEAR MOTOR MODULE



SERIES PARAMETERS

264.1 N
Sustained thrust

3.8 Arms
Continuous current

LSP-02G02
Linear motor type

695 N
Peak thrust

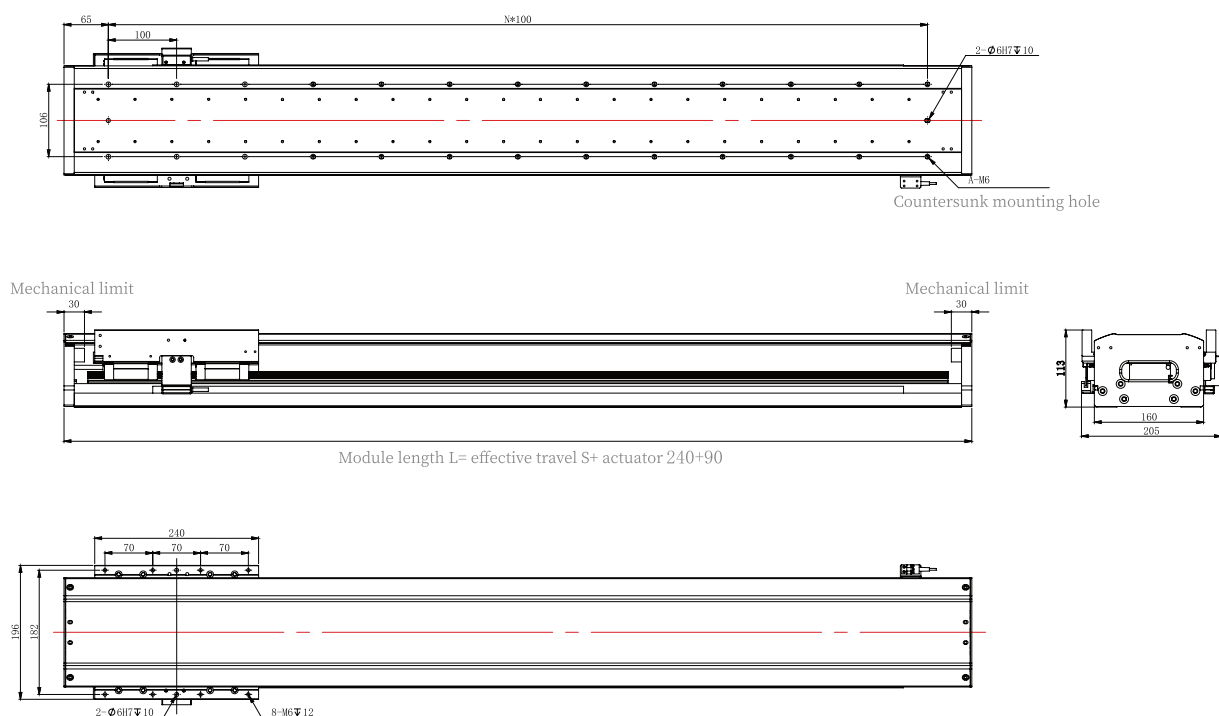
10 Arms
Peak current

Overall dimension															
S project	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
L	424	524	624	724	824	924	1024	1124	1224	1324	1424	1524	1624	1724	1824
A	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
N	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
(kg)	13.15	14.7	16.25	17.8	19.35	20.9	22.45	24	25.55	27.1	28.65	30.2	31.75	33.3	34.85

Overall dimension															
S project	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
L	1924	2024	2124	2224	2324	2424	2524	2624	2724	2824	2924	3024	3124	3224	3324
A	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66
N	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
(kg)	36.4	37.95	39.5	41.05	42.6	44.15	45.7	47.25	48.8	50.35	51.9	53.45	55	56.55	58.1

LMM-160-02G03

LINEAR MOTOR MODULE



SERIES PARAMETERS

368.6 N
Sustained thrust

3.8 Arms
Continuous current

LSP-02G03
Linear motor type

970 N
Peak thrust

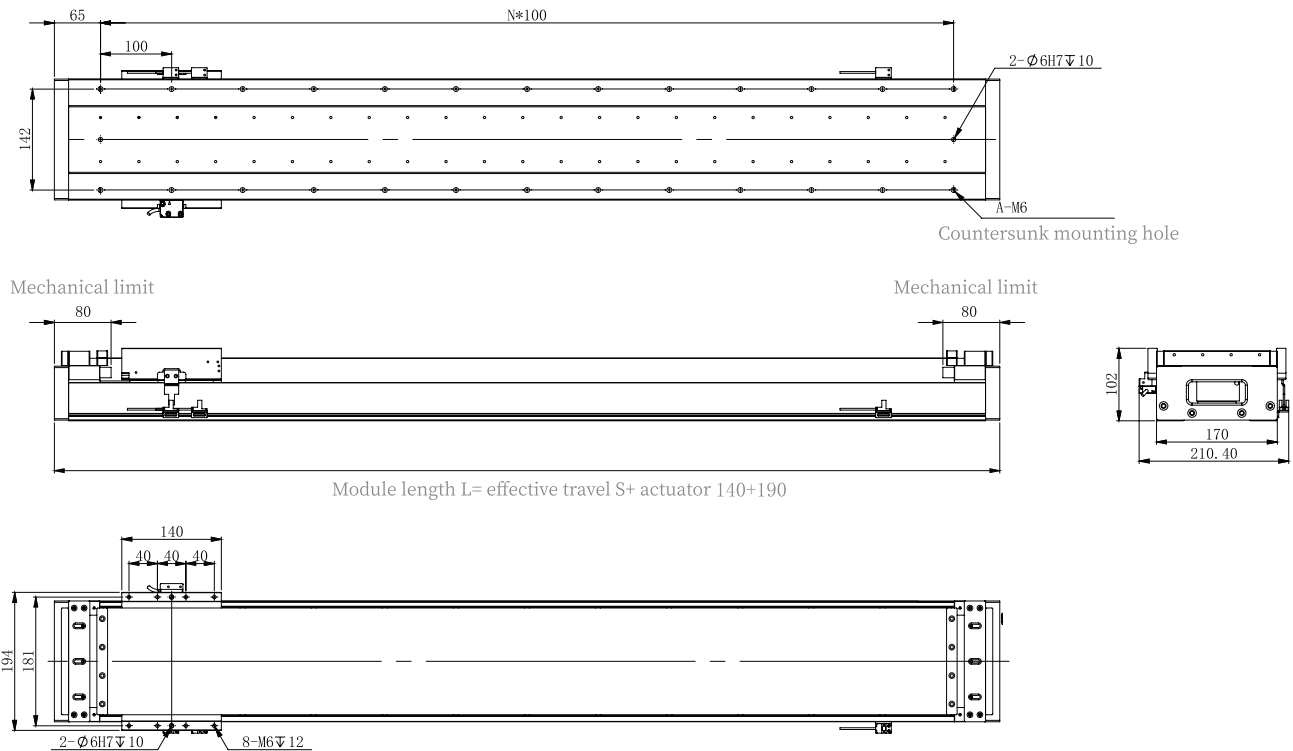
10 Arms
Peak current

Overall dimension															
S project	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
L	430	530	630	730	830	930	1030	1130	1230	1330	1430	1530	1630	1730	1830
A	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
N	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
(kg)	17	19.1	21.2	23.3	25.4	27.5	29.6	31.7	33.8	35.9	38	40.1	42.2	44.3	46.4

Overall dimension															
S project	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
L	1930	2023	2130	2230	2330	2430	2530	2630	2730	2830	2930	3030	3130	3230	3330
A	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66
N	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
(kg)	48.5	50.6	52.7	54.8	56.9	59	61.1	63.2	65.3	67.4	69.5	71.6	73.7	75.8	77.9

LMM-170-01G02

LINEAR MOTOR MODULE



SERIES PARAMETERS

132.1 N
Sustained thrust

347.5 N
Peak thrust

1.9 Arms
Continuous current

5 Arms
Peak current

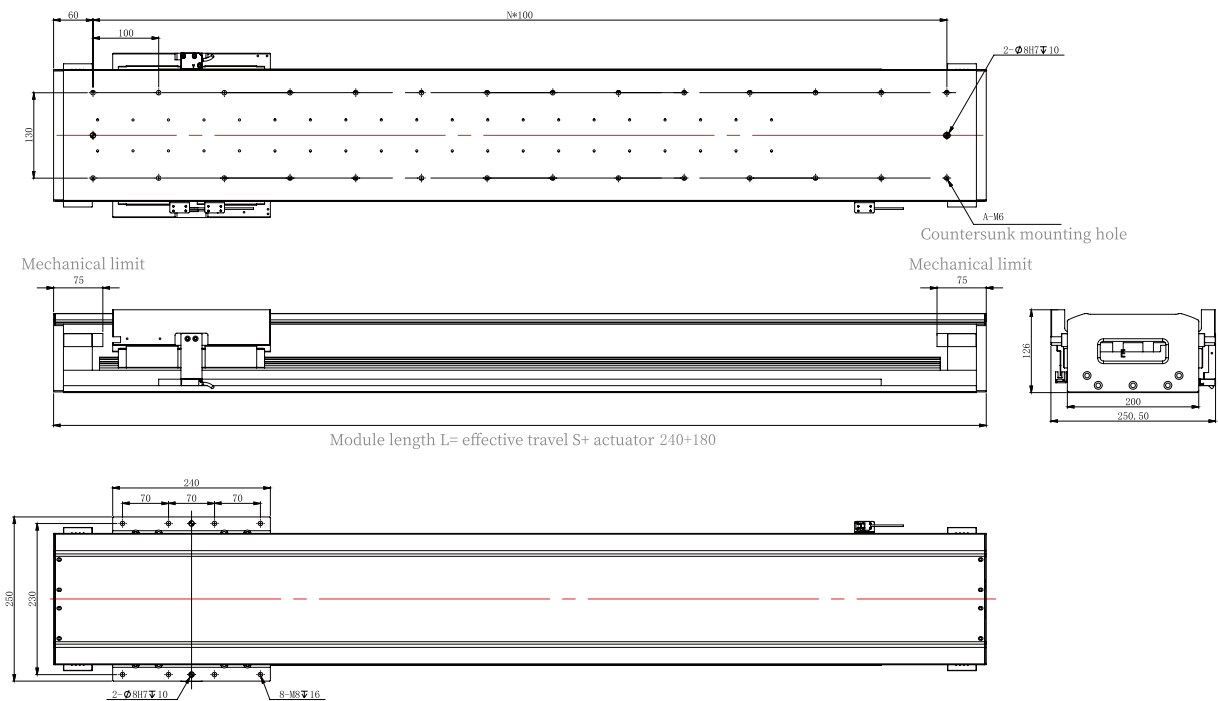
LSP-01G02
Linear motor type

Overall dimension															
S	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
project	430	530	630	730	830	930	1030	1130	1230	1330	1430	1530	1630	1730	1830
L	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
A	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
N	12.35	14.2	16.05	17.9	19.75	21.6	23.45	25.3	27.15	29	30.85	32.7	34.55	36.4	38.25
(kg)															

Overall dimension															
S	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
project	1930	2030	2130	2230	2330	2430	2530	2630	2730	2830	2930	3030	3130	3230	3330
L	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66
A	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
N	40.1	41.95	43.8	45.65	47.5	49.35	51.2	53.05	54.9	56.75	58.6	60.45	62.3	64.15	66
(kg)															

LMM-200-02G04

LINEAR MOTOR MODULE



SERIES PARAMETERS

471.2 N
Sustained thrust

3.8 Arms
Continuous current

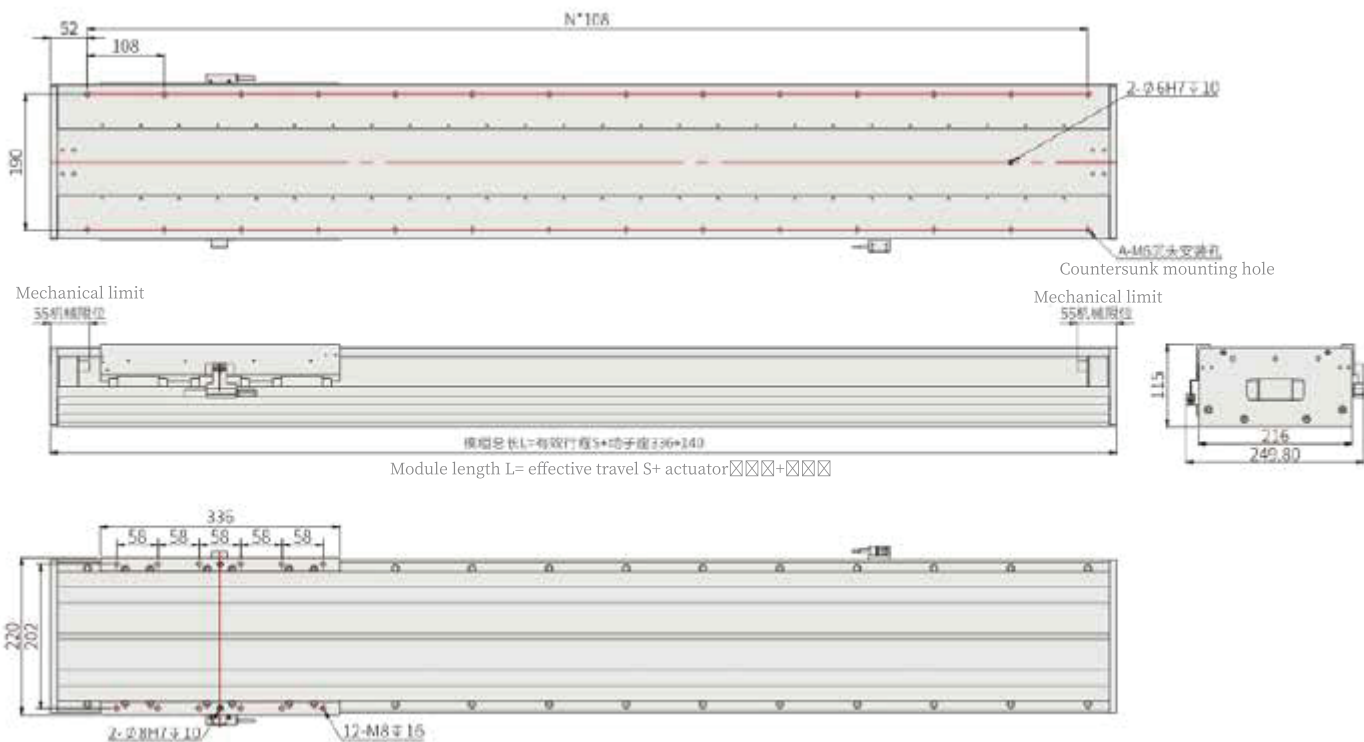
LSP-02G04
Linear motor type

1240 N
Peak thrust

10 Arms
Peak current

Overall dimension															
S	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
L	520	620	720	820	920	1020	1120	1220	1320	1420	1520	1620	1720	1820	1920
A	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
N	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
(kg)	24.77	27.44	30.11	32.78	35.45	38.12	40.79	43.46	46.13	48.8	51.47	54.14	56.81	59.48	62.15

Overall dimension															
S	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
L	2020	2120	2220	2320	2420	2520	2620	2720	2820	2920	3020	3120	3220	3320	3420
A	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68
N	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
(kg)	64.82	67.49	70.16	72.83	75.5	78.17	80.84	83.51	86.18	88.85	91.52	94.19	96.86	99.53	102.2



SERIES PARAMETERS

- 706.8 N
Sustained thrust

5.7 Arms
Continuous current

1M
Standard cable length
- 1859 N
Peak thrust

15 Arms
Peak current

±3um
Repeating accuracy

Parameters of iron core flat panel linear motor module																						
Trip	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
Overall length	314	364	414	464	514	564	614	664	714	764	814	864	914	964	1014	1064	1114	1164	1214	1264	1314	1364