低組裝螺桿傳動 ND系列

一般環境

Low Profile Ball-Screw Series
ND Series

General



ND130 – L6 – S500 – M2 – M400W – B - 3 A

	型號 Model	導程 Lead	行程 Stroke	馬達方向 Motor direction	馬達廠牌及出力 Motor brand and output	煞車 Brake	光電位置 Photoelectric position	光電類型 Type of photoelectric

馬達方向 Motor direction
- M2 馬達外置 Motor outside position
- M3 馬達外置右側 Motor outside,rightward position
- M4 馬達外置左側 Motor outside,leftward position
- M6 馬達外置下方 Motor ousided,lower position

馬達廠牌及出力 Motor brand and output
- H 匯川 Inovance
- X 西門子 Siemens
- M 三菱 Mitsubishi
- Y 安川 Yaskawa
- P 松下 Panasonic
- F 富士 Fuji
- T 台達 Delta
- S SATA

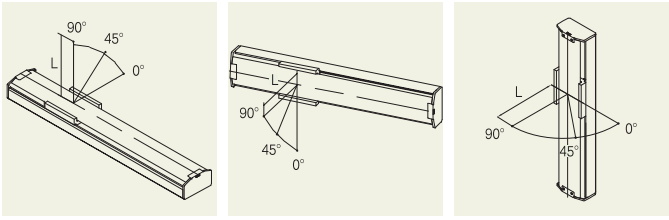
煞車 Brake
- 1 - 內置 Inside
- 3 - 外置右側 Outside Right
- 4 - 外置左側 Outside Left
- E / 空白 - 不含 / 無指定 Blank - Excluding/Unspecified

光電位置 Photoelectric position
- A - NPN
- C - PNP

ND130 規格表(ND130 Specification):

馬達出力 Step motor output		400W		
重複定位精度 Repeatability(mm)		±0.05		
滾珠絲桿外徑 B.S(Ø)		⌀ 14		
滾珠螺桿導程 Lead(mm)		6	12	24
最快速度 Maximun speed(mm/sec)		300	600	1200
最大載重 Maximun payload(kg)	水平使用 (H)	110	88	50
	垂直使用 (v)	33	16	10
額定推力 Rated thrus(N)		1130	565	283
行程 Stroke(mm)		50-1200 50間隔 (intervel)		

線性滑軌12x8-2支(Linear Guide12x8-2Qty)



水平安裝應用: 單位Unit:mm Horizontal use

導程	荷重 Payload	0°	45°	90°
Lead6	60kg	140	800	1600
	70kg	115	650	1340
	110kg	60	81	169
Lead12	30kg	247	600	1142
	60kg	107	250	519
	88kg	62	160	319
Lead24	20kg	188	225	454
	40kg	82	100	202
	50kg	60	70	151

牆面安裝應用:單位Unit:mm Wall installation use

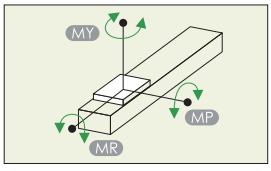
導程	荷重 Payload	0°	45°	90°
Lead6	60kg	1600	800	140
	70kg	1340	650	115
	110kg	169	81	60
Lead12	30kg	1142	600	247
	60kg	519	250	107
	88kg	319	160	62
Lead24	20kg	454	225	188
	40kg	202	100	82
	50kg	151	70	60

垂直安裝應用: 單位Unit:mm During vertical use

導程	荷重 Payload	0°	45°	90°
Lead6	25kg	388	–	388
	30kg	324	–	324
	40kg	243	–	243
Lead12	10kg	781	–	781
	15kg	520	–	520
	26kg	300	–	300
Lead24	9kg	485	–	485
	10kg	437	–	437
	20kg	218	–	218

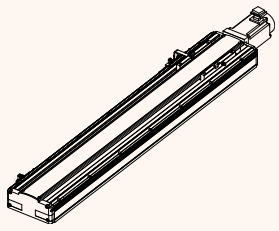
*滑塊表面中心到搬送物重心的距離(僅供參考)
Distance center of slider top to center of gravity of object being transported (For reference only)

靜態容許負載慣量
Stdic Loading Moment

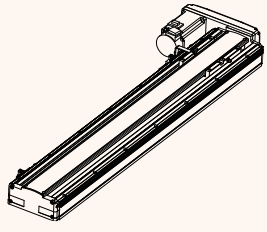


(單位:N.m) (Unit:N.m)
水平使用時 Static Loading Moment

MY	479
MP	479
MR	423



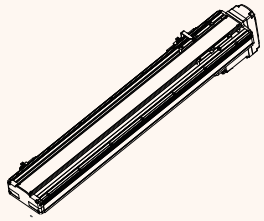
M2



M3

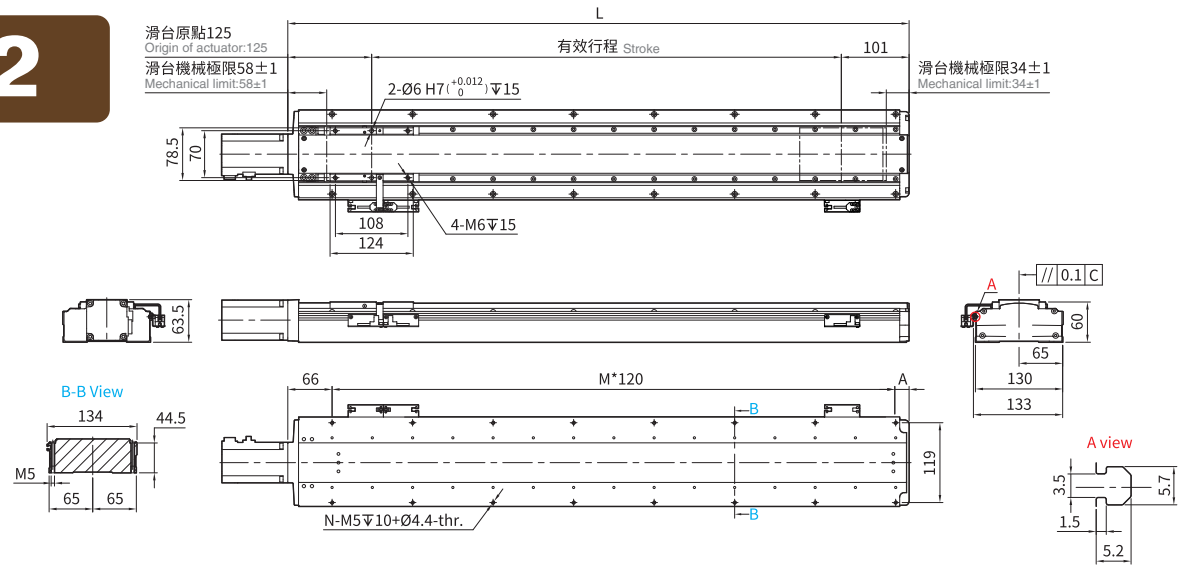


M4



M6

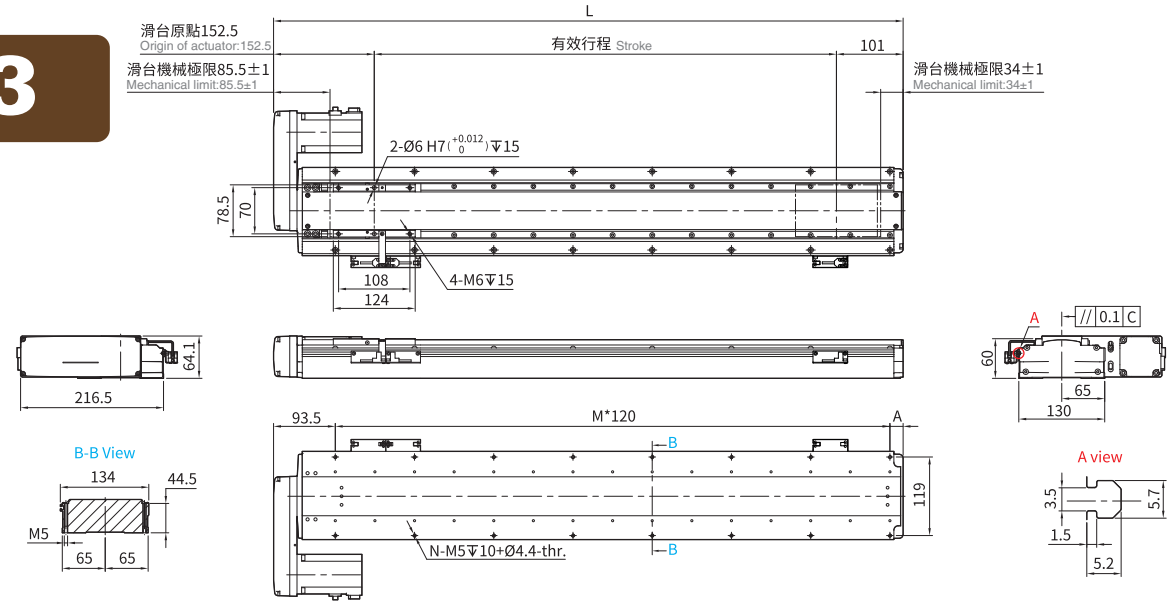
M2



行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
L	276	326	376	426	476	526	576	626	676	726	776	826	876	926	976	1026	1076	1126	1176	1226	1276	1326	1376	1426
A	90	20	70	120	50	100	30	80	130	60	110	40	90	20	70	120	50	100	30	80	130	60	110	40
M	1	2	2	2	3	3	4	4	4	5	5	6	6	7	7	7	8	8	9	9	9	10	10	11
N	4	6	6	6	8	8	10	10	10	12	12	14	14	16	16	16	18	18	20	20	20	22	22	24
質量(kg)	4.07	4.54	5.01	5.48	5.96	6.43	6.91	7.38	7.85	8.32	8.79	9.27	9.74	10.21	10.68	11.15	11.63	12.1	12.58	13.05	13.52	13.99	14.46	14.94

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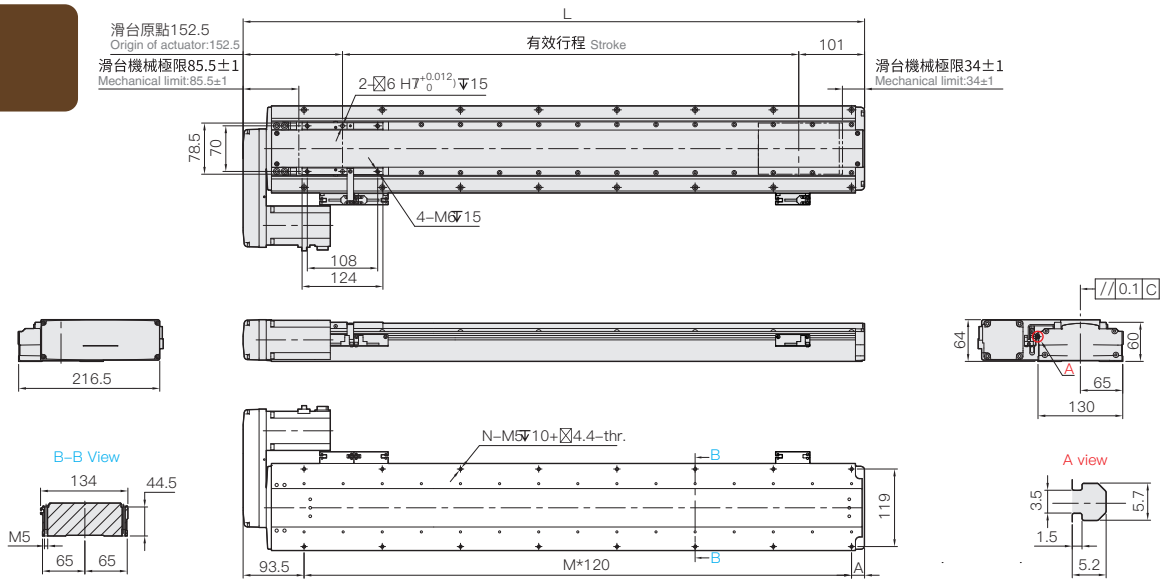
M3



行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
L	303.5	353.5	403.5	453.5	503.5	553.5	603.5	653.5	703.5	753.5	803.5	853.5	903.5	953.5	1003.5	1053.5	1103.5	1153.5	1203.5	1253.5	1303.5	1353.5	1403.5	1453.5
A	90	20	70	120	50	100	30	80	130	60	110	40	90	20	70	120	50	100	30	80	130	60	110	40
M	1	2	2	2	3	3	4	4	4	5	5	6	6	7	7	7	8	8	9	9	9	10	10	11
N	4	6	6	6	8	8	10	10	10	12	12	14	14	16	16	16	18	18	20	20	20	22	22	24
質量(kg)	4.58	5.06	5.53	6	6.48	6.95	7.42	7.89	8.37	8.84	9.31	9.78	10.25	10.73	11.2	11.67	12.15	12.62	13.09	13.56	14.04	14.51	14.98	15.45

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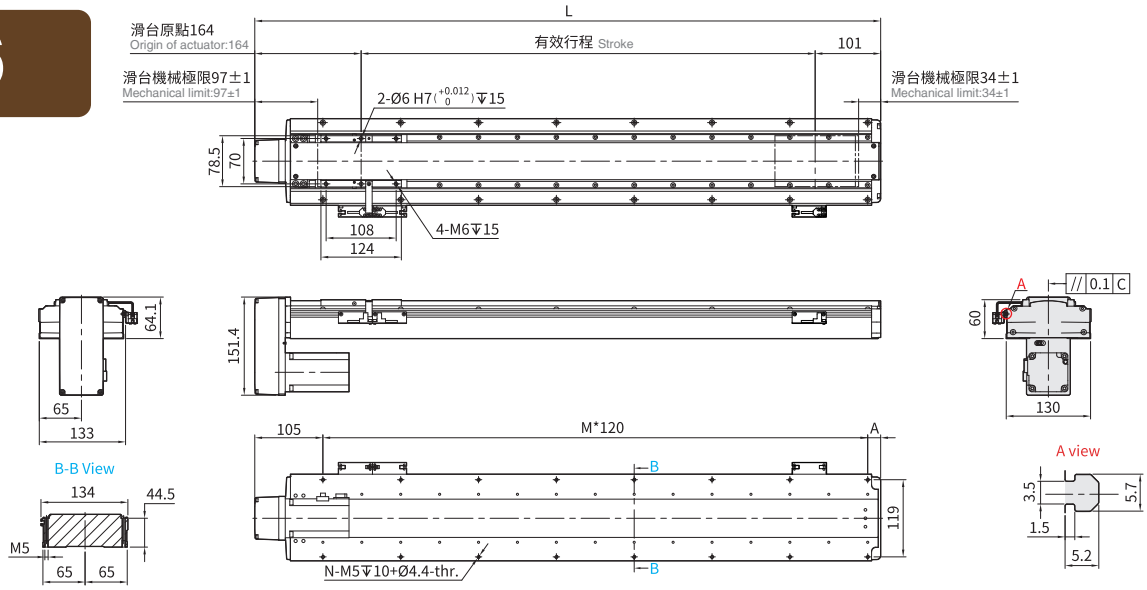
M4



行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
L	303.5	353.5	403.5	453.5	503.5	553.5	603.5	653.5	703.5	753.5	803.5	853.5	903.5	953.5	1003.5	1053.5	1103.5	1153.5	1203.5	1253.5	1303.5	1353.5	1403.5	1453.5
A	90	20	70	120	50	100	30	80	130	60	110	40	90	20	70	120	50	100	30	80	130	60	110	40
M	1	2	2	2	3	3	4	4	4	5	5	6	6	7	7	7	8	8	9	9	9	10	10	11
N	4	6	6	6	8	8	10	10	10	12	12	14	14	16	16	16	18	18	20	20	20	22	22	24
質量(kg)	4.58	5.06	5.53	6	6.48	6.95	7.42	7.89	8.37	8.84	9.31	9.78	10.25	10.73	11.2	11.67	12.15	12.62	13.09	13.56	14.04	14.51	14.98	15.45

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M6



行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
L	315	365	415	465	515	565	615	665	715	765	815	865	916	965	1015	1065	1115	1165	1215	1265	1315	1365	1415	1465
A	90	20	70	120	50	100	30	80	130	60	110	40	90	20	70	120	50	100	30	80	130	60	110	40
M	1	2	2	2	3	3	4	4	4	5	5	6	6	7	7	7	8	8	9	9	9	10	10	11
N	4	6	6	6	8	8	10	10	10	12	12	14	14	16	16	16	18	18	20	20	20	22	22	24
質量(kg)	4.58	5.06	5.53	6	6.48	6.95	7.42	7.89	8.37	8.84	9.31	9.78	10.25	10.73	11.2	11.67	12.15	12.62	13.09	13.56	14.04	14.51	14.98	15.45

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SATA

ND170 – L5 – S500 – M2 – M400W – B - 3 A

ND170	L5	S500	M2	M400W	B	3	A
型號 Model	導程 Lead	行程 Stroke	馬達方向 Motor direction	馬達廠牌及出力 Motor brand and output	煞車 Brake	光電位置 Photoelectric position	光電類型 Type of photoelectric

馬達方向 Motor direction
- M2 馬達外置 Motor outside position
- M3 馬達外置右側 Motor outside,rightward position
- M4 馬達外置左側 Motor outside,leftward position
- M6 馬達外置下方 Motor ousided,lower position

馬達廠牌及出力 Motor brand and output
- H 匯川 Inovance
- X 西門子 Siemens
- M 三菱 Mitsubishi
- Y 安川 Yaskawa
- P 松下 Panasonic
- F 富士 Fuji
- T 台達 Delta
- S SATA

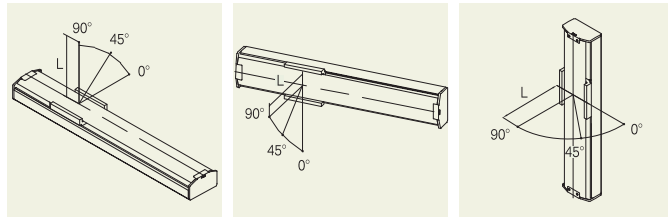
光電位置 Photoelectric position
- 1 - 內置 Inside
- 3 - 外置右側 Outside Right
- 4 - 外置左側 Outside Left
- E / 空白 - 不含 / 無指定 Blank - Excluding/Unspecified

光電類型 Type of photoelectric
- A - NPN
- C - PNP

ND170 規格表(ND170 Specification):

馬達出力 Step motor output		400W			
重複定位精度 Repeatability(mm)		±0.05			
滾珠絲桿外徑 B.S(Ø)		⌀ 14			
滾珠螺桿導程 Lead(mm)		5	10	20	40
最快速度 Maximun speed(mm/sec)		250	500	1000	2000
最大載重 Maximun payload(kg)	水平使用 (H)	120	110	85	22
	垂直使用 (v)	50	26	11	10
額定推力 Rated thrus(N)		1356	678	339	170
行程 Stroke(mm)		50-1500 50間隔 (intervel)			

線性滑軌12x8-2支(Linear Guide12x8-2Qty)



水平安裝應用: 單位Unit:mm Horizontal use

導程	荷重 Payload	0°	45°	90°
Lead5	70kg	155	1344	2782
	90kg	109	1044	2077
	120kg	70	725	1452
Lead10	65kg	138	505	1010
	85kg	95	360	728
	110kg	63	255	516
Lead20	55kg	99	162	332
	75kg	63	108	219
	85kg	51	90	181
Lead40	10kg	296	277	558
	15kg	189	170	358
	22kg	121	114	230

牆面安裝應用:單位Unit:mm Wall installation use

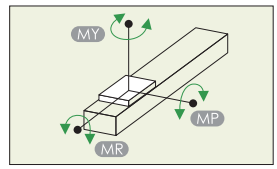
導程	荷重 Payload	0°	45°	90°
Lead5	70kg	2782	1344	155
	90kg	2077	1044	109
	120kg	1452	725	70
Lead10	65kg	1010	505	138
	85kg	728	360	95
	110kg	516	255	63
Lead20	55kg	332	162	99
	75kg	219	108	63
	85kg	181	90	51
Lead40	10kg	558	277	296
	15kg	358	170	189
	22kg	230	114	121

垂直安裝應用: 單位Unit:mm During vertical use

導程	荷重 Payload	0°	45°	90°
Lead5	30kg	483	–	483
	40kg	362	–	362
	50kg	290	–	290
Lead10	24kg	508	–	508
	26kg	469	–	469
	30kg	406	–	406
Lead20	10kg	806	–	806
	11kg	733	–	733
	17kg	471	–	474
Lead40	9kg	420	–	420
	10kg	378	–	378
	15kg	252	–	252

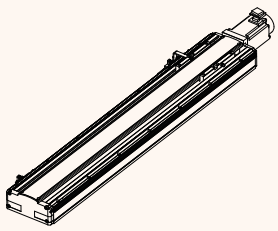
*滑塊表面中心到搬送物重心的距離(僅供參考)
Distance center of slider top to center of gravity of object being transported (For reference only)

靜態容許負載慣量 Stdic Loading Moment

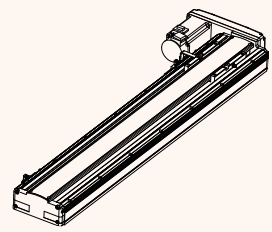


(單位:N.m) (Unit:N.m)
水平使用時 Static Loading Moment

MY	479
MP	479
MR	423



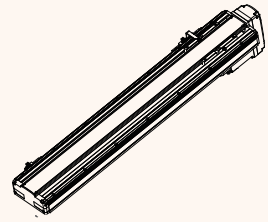
M2



M3

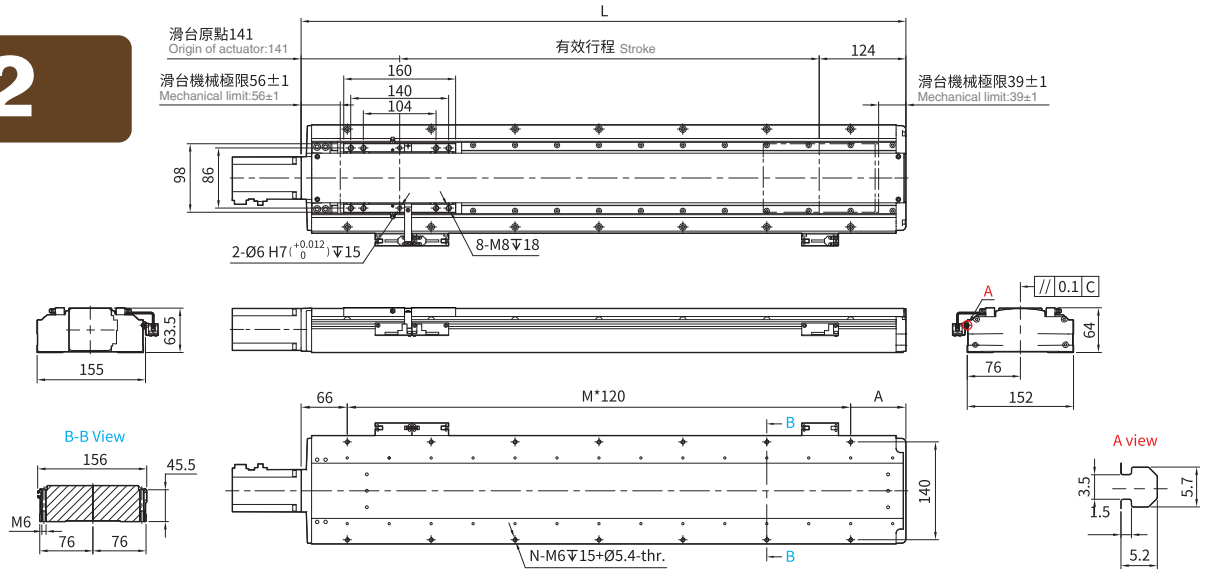


M4



M6

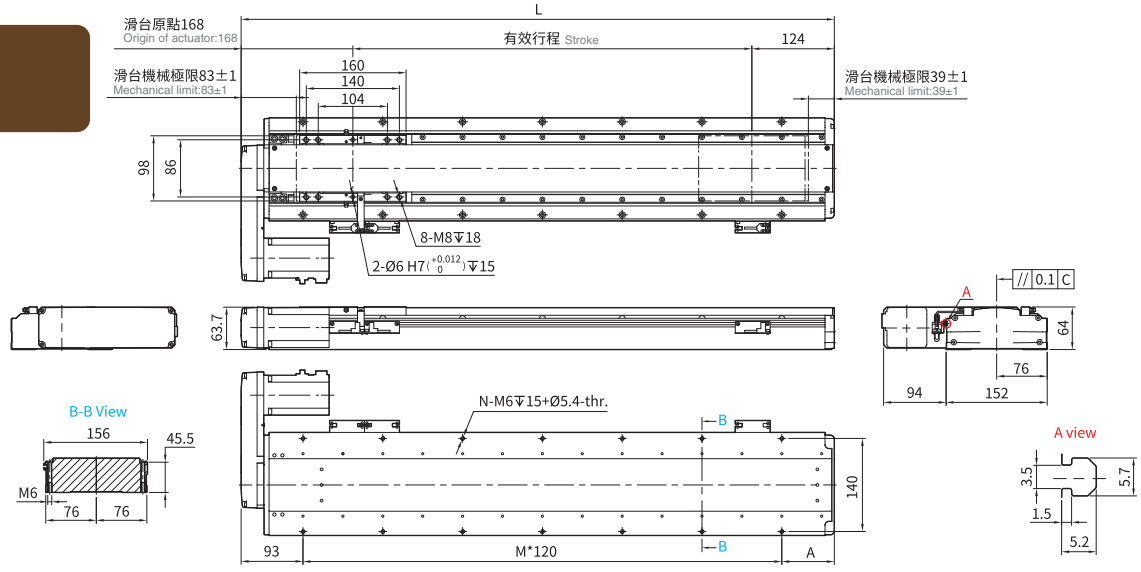
M2



行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	315	365	415	465	515	565	615	665	715	765	815	865	915	965	1015	1065	1115	1165	1215	1265	1315	1365	1415	1465	1515	1565	1615	1665	1715	1765
A	129	59	109	39	89	19	69	119	49	99	29	79	129	59	109	39	89	19	69	119	49	99	29	79	129	59	109	39	89	19
M	1	2	2	3	3	4	4	4	5	5	6	6	6	7	7	8	8	9	9	9	10	10	11	11	11	12	12	13	13	14
N	4	6	6	6	8	8	10	10	10	12	12	14	14	16	16	16	18	18	20	20	20	22	22	24	24	26	26	28	28	30
質量(kg)	5.94	6.52	7.1	7.68	8.26	8.84	9.42	9.99	10.58	11.15	11.74	12.31	12.9	13.47	14.05	14.63	15.21	15.79	16.37	16.95	17.53	18.11	18.69	19.27	19.85	20.63	21	21.59	22.16	22.75

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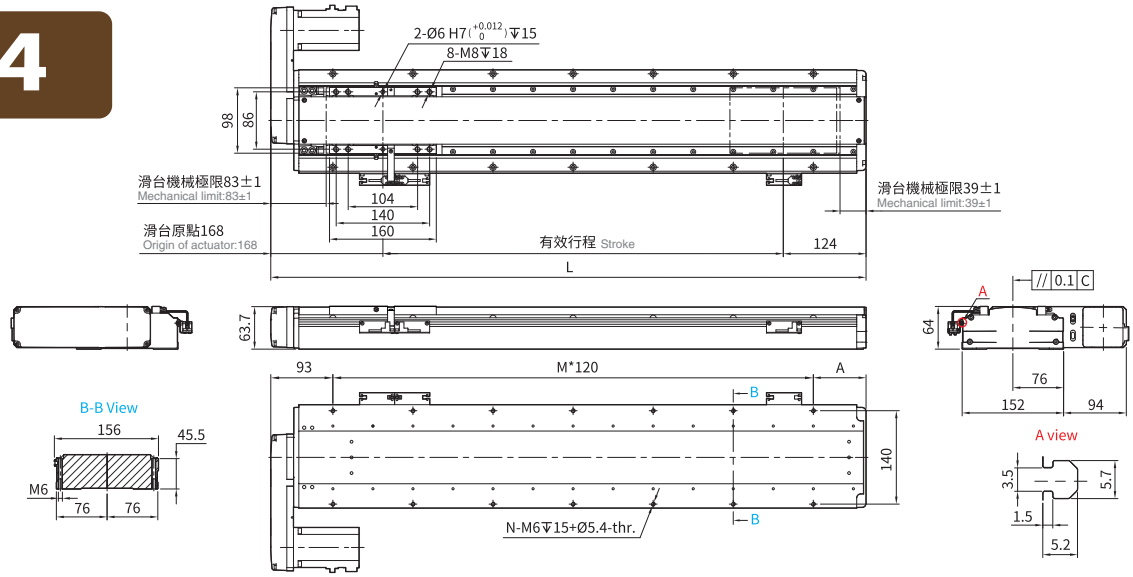
M3



行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	342	392	442	492	542	592	642	692	742	792	842	892	942	992	1042	1092	1142	1192	1242	1292	1342	1392	1442	1492	1542	1592	1642	1692	1742	1792
A	129	59	109	39	89	19	69	119	49	99	29	79	129	59	109	39	89	19	69	119	49	99	29	79	129	59	109	39	89	19
M	1	2	2	3	3	4	4	4	5	5	6	6	6	7	7	8	8	9	9	9	10	10	11	11	11	12	12	13	13	14
N	4	6	6	6	8	8	10	10	10	12	12	14	14	16	16	16	18	18	20	20	20	22	22	24	24	26	26	28	28	30
質量(kg)	6.54	7.12	7.7	8.28	8.86	9.44	10.02	10.6	11.18	11.76	12.34	12.92	13.5	14.08	14.65	15.24	15.81	16.4	16.97	17.55	18.13	18.71	19.29	19.87	20.45	21.03	21.61	22.19	22.77	23.35

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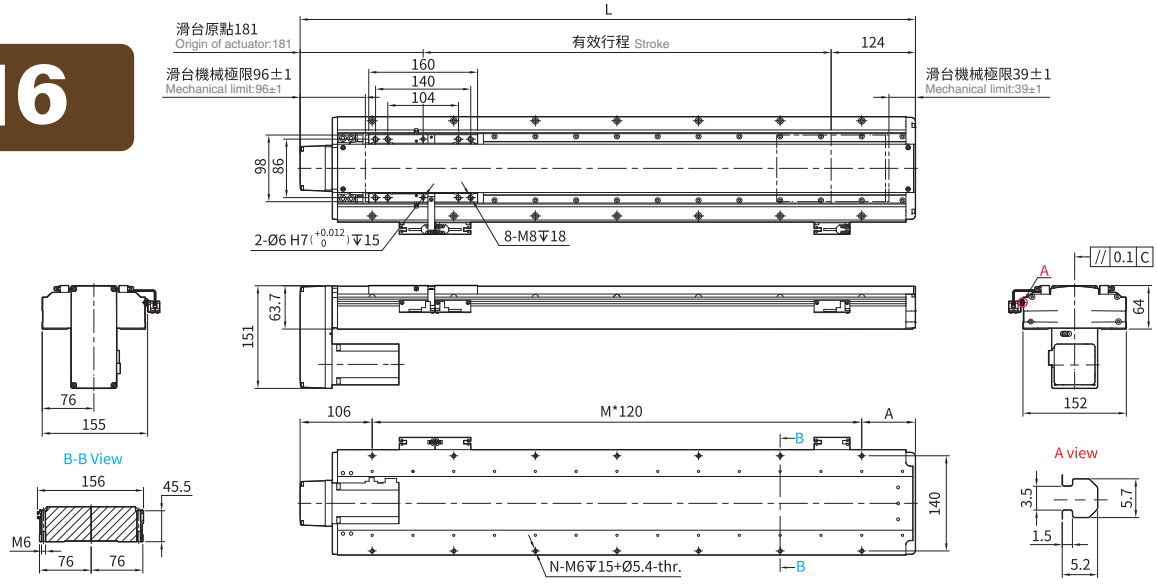
M4



行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	342	392	442	492	542	592	642	692	742	792	842	892	942	992	1042	1092	1142	1192	1242	1292	1342	1392	1442	1492	1542	1592	1642	1692	1742	1792
A	129	59	109	39	89	19	69	119	49	99	29	79	129	59	109	39	89	19	69	119	49	99	29	79	129	59	109	39	89	19
M	1	2	2	3	3	4	4	4	5	5	6	6	6	7	7	8	8	9	9	9	10	10	11	11	11	12	12	13	13	14
N	4	6	6	6	8	8	10	10	10	12	12	14	14	16	16	16	18	18	20	20	20	22	22	24	24	26	26	28	28	30
質量(kg)	6.54	7.12	7.7	8.28	8.86	9.44	10.02	10.6	11.18	11.76	12.34	12.92	13.5	14.08	14.65	15.24	15.81	16.4	16.97	17.55	18.13	18.71	19.29	19.87	20.45	21.03	21.61	22.19	22.77	23.35

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M6



行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	355	405	455	505	555	605	655	705	755	805	855	905	955	1005	1055	1105	1155	1205	1255	1305	1355	1405	1455	1505	1555	1605	1655	1705	1755	1805
A	129	59	109	39	89	19	69	119	49	99	29	79	129	59	109	39	89	19	69	119	49	99	29	79	129	59	109	39	89	19
M	1	2	2	3	3	4	4	4	5	5	6	6	6	7	7	8	8	9	9	9	10	10	11	11	11	12	12	13	13	14
N	4	6	6	6	8	8	10	10	10	12	12	14	14	16	16	16	18	18	20	20	20	22	22	24	24	26	26	28	28	30
質量(kg)	6.54	7.12	7.7	8.28	8.86	9.44	10.02	10.6	11.18	11.76	12.34	12.92	13.5	14.08	14.65	15.24	15.81	16.4	16.97	17.55	18.13	18.71	19.29	19.87	20.45	21.03	21.61	22.19	22.77	23.35

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ND220 – L5 – S500 – M2 – M750W – B - 3 A

	型號 Model	導程 Lead	行程 Stroke	馬達方向 Motor direction	馬達廠牌及出力 Motor brand and output	煞車 Brake	光電位置 Photoelectric position	光電類型 Type of photoelectric

馬達方向 Motor direction
- M2 馬達外置 Motor outside position
- M3 馬達外置右側 Motor outside,rightward position
- M4 馬達外置左側 Motor outside,leftward position
- M6 馬達外置下方 Motor ousided,lower position

馬達廠牌及出力 Motor brand and output
- H 匯川 Inovance
- X 西門子 Siemens
- M 三菱 Mitsubishi
- Y 安川 Yaskawa
- P 松下 Panasonic
- F 富士 Fuji
- T 台達 Delta
- S SATA

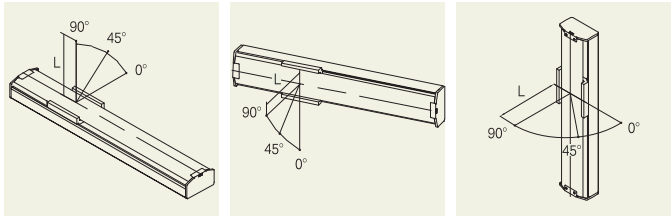
煞車 Brake
- 1 - 內置 Inside
- 3 - 外置右側 Outside Right
- 4 - 外置左側 Outside Left
- E / 空白 - 不含 / 無指定 Blank - Excluding/Unspecified

光電類型 Type of photoelectric
- A - NPN
- C - PNP

ND220 規格表(ND220 Specification):

馬達出力 Step motor output		400W		
重複定位精度 Repeatability(mm)		±0.05		
滾珠絲桿外徑 B.S(Ø)		∅14		
滾珠螺桿導程 Lead(mm)		5	10	25
最快速度 Maximun speed(mm/sec)		250	500	1250
最大載重 Maximun payload(kg)	水平使用 (H)	150	150	80
	垂直使用 (v)	60	33	15
額定推力 Rated thrus(N)		2553	1276	511
行程 Stroke(mm)		50-1800 50間隔 (intervel)		

線性滑軌12x8-2支(Linear Guide12x8-2Qty)



水平安裝應用: 單位Unit:mm Horizontal use

導程	荷重 Payload	0°	45°	90°
Lead20	5kg	130	120	320
	8kg	80	70	220
	10kg	60	55	175
Lead10	5kg	380	260	600
	10kg	258	186	370
	15kg	120	80	160
Lead05	10kg	420	270	650
	20kg	230	170	380
	30kg	110	60	150

牆面安裝應用:單位Unit:mm Wall installation use

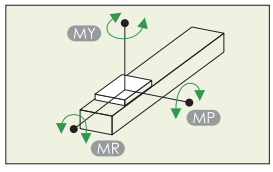
導程	荷重 Payload	0°	45°	90°
Lead20	5kg	320	120	130
	8kg	220	70	75
	10kg	170	55	60
Lead10	5kg	600	210	153
	10kg	370	140	86
	15kg	250	76	66
Lead05	10kg	550	310	150
	20kg	350	132	80
	30kg	100	76	60

垂直安裝應用: 單位Unit:mm During vertical use

導程	荷重 Payload	0°	45°	90°
Lead20	1kg	600	600	600
	2kg	300	300	300
	2.5kg	250	250	250
Lead10	1kg	680	260	580
	3kg	458	186	458
	5kg	220	110	220
Lead05	6kg	380	270	380
	8kg	258	170	258
	10kg	100	76	100

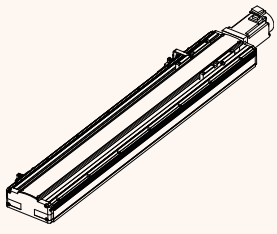
*滑塊表面中心到搬送物重心的距離(僅供參考)
Distance center of slider top to center of gravity of object being transported (For reference only)

靜態容許負載慣量
Stdic Loading Moment

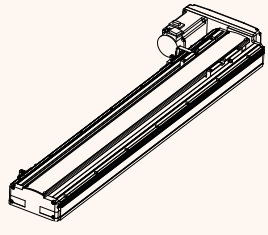


(單位:N.m) (Unit:N.m)
水平使用時 Static Loading Moment

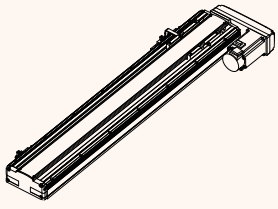
MY	1538
MP	1538
MR	1263



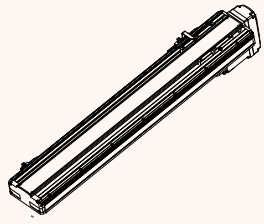
M2



M3

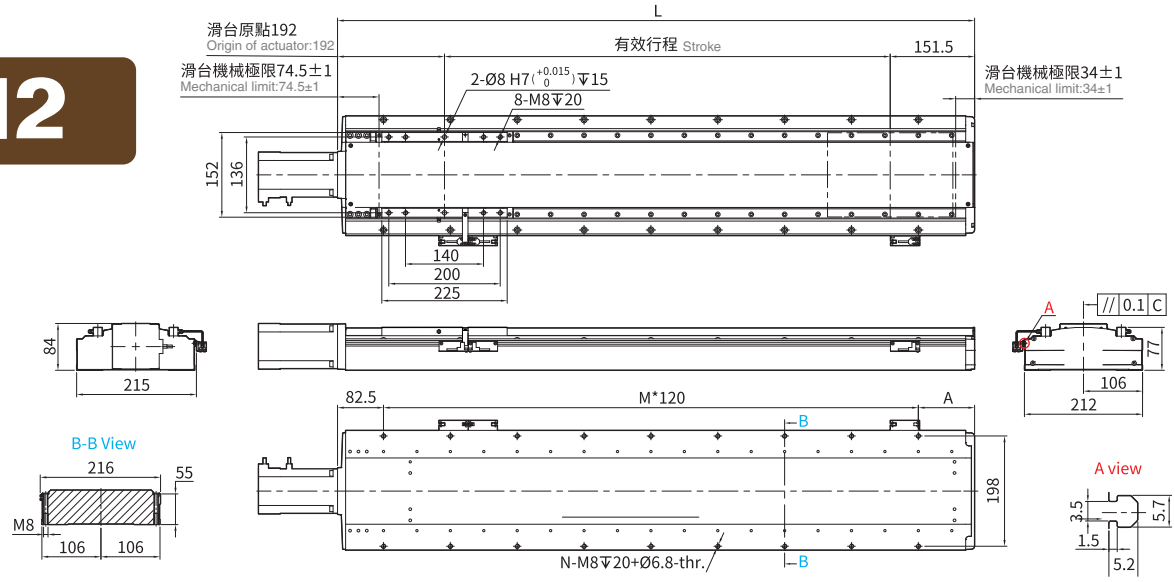


M4



M6

M2

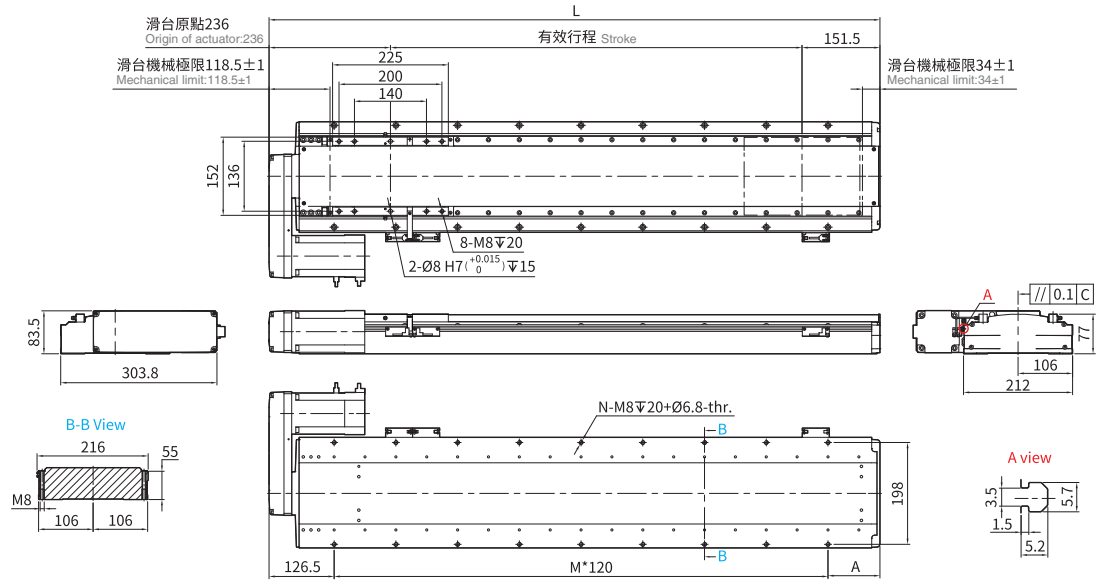


行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
L	393.5	443.5	493.5	543.5	593.5	643.5	693.5	743.5	793.5	843.5	893.5	943.5	993.5	1043.5	1093.5	1143.5	1193.5	1243.5
A	71	121	51	101	31	81	131	61	111	41	91	21	71	121	51	101	31	81
M	2	2	3	3	4	4	5	5	5	6	6	7	7	7	8	8	9	9
N	6	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20
質量(kg)	11.99	12.92	13.86	14.79	15.73	16.66	17.6	18.53	19.46	20.4	21.33	22.27	23.2	24.14	25.07	26.01	26.94	27.88

行程 Stroke	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800
L	1293.5	1343.5	1393.5	1443.5	1493.5	1543.5	1593.5	1643.5	1693.5	1743.5	1793.5	1843.5	1893.5	1943.5	1993.5	2043.5	2093.5	2143.5
A	131	61	111	41	91	21	71	121	51	101	31	81	131	61	111	41	91	21
M	10	10	10	11	11	12	12	12	13	13	14	14	15	15	15	16	16	17
N	22	22	22	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36
質量(kg)	28.81	29.75	30.68	31.62	32.35	33.49	34.42	38.16	35.35	36.29	38.16	39.09	40.03	10.86	41.89	42.83	43.76	44.7

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M3

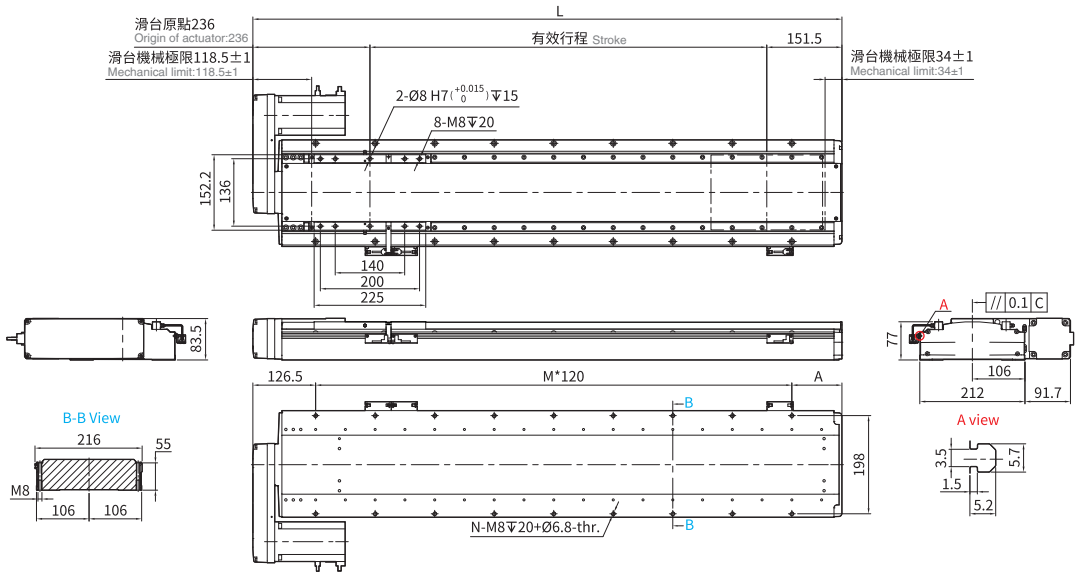


行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
L	437.5	487.5	537.5	587.5	637.5	687.5	737.5	787.5	837.5	887.5	937.5	987.5	1037.5	1087.5	1137.5	1187.5	1237.5	1287.5
A	71	121	51	101	31	81	131	61	111	41	91	21	71	121	51	101	31	81
M	2	2	3	3	4	4	5	5	5	6	6	7	7	7	8	8	9	9
N	6	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20
質量(kg)	13.07	14	14.94	15.89	16.81	17.74	18.68	19.61	20.54	21.48	22.41	23.35	24.28	25.21	26.15	27.08	28.02	28.95

行程 Stroke	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800
L	1337.5	1387.5	1437.5	1487.5	1537.5	1587.5	1637.5	1687.5	1737.5	1787.5	1837.5	1887.5	1937.5	1987.5	2037.5	2087.5	2137.5	2187.5
A	131	61	111	41	91	21	71	121	51	101	31	81	131	61	111	41	91	21
M	10	10	10	11	11	12	12	12	13	13	14	14	15	15	15	16	16	17
N	22	22	22	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36
質量(kg)	29.89	30.82	31.75	32.69	33.62	34.56	35.49	36.42	37.36	38.29	39.23	40.16	41.1	42.03	42.97	43.9	44.84	45.77

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M4

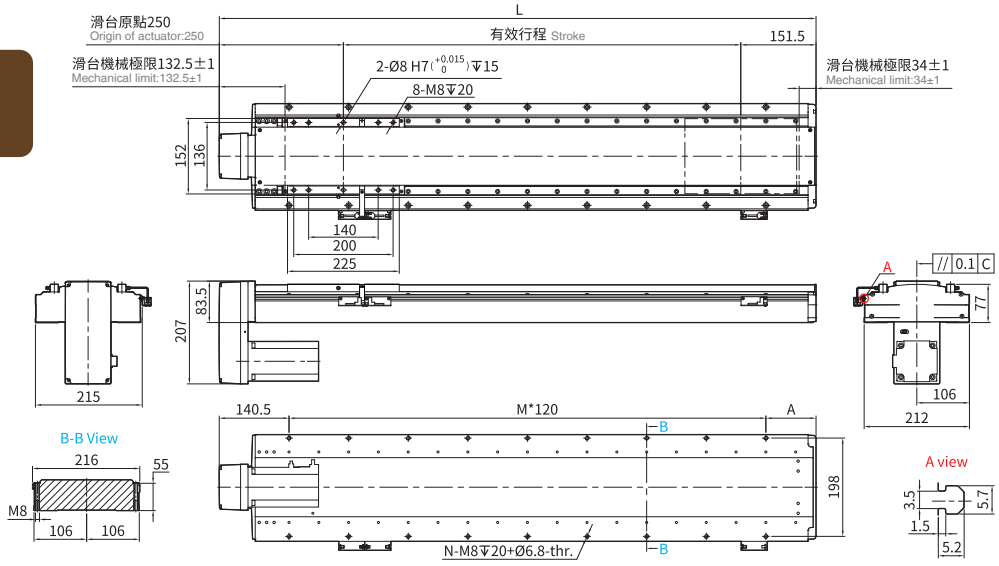


行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
L	437.5	487.5	537.5	587.5	637.5	687.5	737.5	787.5	837.5	887.5	937.5	987.5	1037.5	1087.5	1137.5	1187.5	1237.5	1287.5
A	71	121	51	101	31	81	131	61	111	41	91	21	71	121	51	101	31	81
M	2	2	3	3	4	4	5	5	5	6	6	7	7	7	8	8	9	9
N	6	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20
質量(kg)	13.07	14	14.94	15.89	16.81	17.74	18.68	19.61	20.54	21.48	22.41	23.35	24.28	25.21	26.15	27.08	28.02	28.95

行程 Stroke	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800
L	1337.5	1387.5	1437.5	1487.5	1537.5	1587.5	1637.5	1687.5	1737.5	1787.5	1837.5	1887.5	1937.5	1987.5	2037.5	2087.5	2137.5	2187.5
A	131	61	111	41	91	21	71	121	51	101	31	81	131	61	111	41	91	21
M	10	10	10	11	11	12	12	12	13	13	14	14	15	15	15	16	16	17
N	22	22	22	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36
質量(kg)	29.89	30.82	31.75	32.69	33.62	34.56	35.49	36.42	37.36	38.29	39.23	40.16	41.1	42.03	42.97	43.9	44.84	45.77

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M6



行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
L	451.5	501.5	551.5	601.5	651.5	701.5	751.5	801.5	851.5	901.5	951.5	1001.5	1051.5	1101.5	1151.5	1201.5	1251.5	1301.5
A	71	121	51	101	31	81	131	61	111	41	91	21	71	121	51	101	31	81
M	2	2	3	3	4	4	5	5	5	6	6	7	7	7	8	8	9	9
N	6	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20
質量(kg)	13.07	14	14.94	15.89	16.81	17.74	18.68	19.61	20.54	21.48	22.41	23.35	24.28	25.21	26.15	27.08	28.02	28.95

行程 Stroke	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800
L	1351.5	1401.5	1451.5	1501.5	1551.5	1601.5	1651.5	1701.5	1751.5	1801.5	1851.5	1901.5	1951.5	2001.5	2051.5	2101.5	2151.5	2201.5
A	131	61	111	41	91	21	71	121	51	101	31	81	131	61	111	41	91	21
M	10	10	10	11	11	12	12	12	13	13	14	14	15	15	15	16	16	17
N	22	22	22	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36
質量(kg)	29.89	30.82	31.75	32.69	33.62	34.56	35.49	36.42	37.36	38.29	39.23	40.16	41.1	42.03	42.97	43.9	44.84	45.77

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