



此图仅供参考，出货规格详见尺寸图面

The picture is just for the reference. Please check the the actual dimensions on the drawing.

最大行程
Maximum Stroke 1050mm最高速度
Maximum Speed 1600mm/s电机容量
Motor Output 100W滚珠丝杆
Ball Screw $\phi 16\text{mm}$ 直线滑轨
Linear Guide 12X7.5-2支

型号表示方式

Ordering Method

RTH10 - 10 - 100 - E - M10B^{*} - C 4 - 01本体型号
Model

行程 Stroke

100~1050mm
(间隔50)Interval特注式样
Special Order No.丝杆等级
Screw Grade丝杆导程
Ball Screw Lead

无	转造级 Rolled Ball Screws	05 5mm
G	研磨级 Grind Ball Screws	10 10mm
		20 20mm
		32 32mm

电机位置
Motor Position

E	电机外露 Motor Exposed
B	电机内置 Motor Built-in
L	电机左折 Motor On Left Side
R	电机右折 Motor On Right Side
M	电机下折 Motor On Lower Side

电机厂牌、功率
Motor Brand, Power Output

M	三菱(标准) Mitsubishi	10	100W	B
P	松下(标准) Panasonic			
Y	安川(标准) Yaskawa			
T	台达(标准) Delta			

*若无刹车则B不表示
If There Is No Brake, B Does Not Indicate原点感应器
Origin Sensor

内置型 In Side

A	电机侧 Motor Side
B	反电机侧 Opposite Motor Side

外挂型 Out Side

C	电机侧 Motor Side
D	反电机侧 Opposite Motor Side

无 NO SENSOR

E 无 NO SENSOR

限位传感器及数量
Limit Sensor & Quantity

内置型 In Side

1	1只 1pc
2	2只 2pc

外挂型 Out Side

3	1只 1pc
4	2只 2pc

无 NO SENSOR

5 无 NO SENSOR

基本式样 Specification

性能 Performance	位置重复精度 Repeatability (mm)	± 0.01			
	丝杆导程 Ball Screw Lead (mm)	5	10	20	32
	最高速度 Maximum Speed (mm/s)	250	500	1000	1600
	最大可搬重量 Maximum Payload	水平使用kg Horizontal (kg)	50	30	18
		垂直使用kg Vertical (kg)	12	8	3
	定格推力 Rated Thrust (N)	341	170	85	53
部品 Parts	标准行程 Stroke Pitch (mm)	100~1050mm/50间隔Interval			
	AC伺服电机容量 AC Servo Motor Output (W)	100			
	滚珠丝杆外径 Ball Screw ϕ (mm)	C7 ϕ 16			
	高刚性直线滑轨 High Rigidity Linear Guide (mm)	W12xH7.5			
	联轴器 Coupling (mm)	$\phi 8-\phi 10$			
	原点及限位感应器* Origin & Limit Sensor	外挂 Outside	EE-SX672(NPN)		
		内置 Built-in	EE-SX674(NPN)		

*1. 有关传感器另外的选型, 如有需求请咨询我司业务。

*1. For additional selection of sensors, please contact our business if you have any requirements.

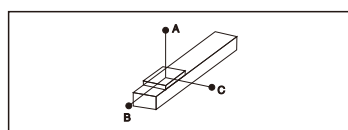
*行程超过750时, 会产生丝杆偏摆, 此时请将速度调降。

*When the stroke is over 750 mm, the run-out of the ballscrew will occur.
We recommend to low down the working speed under this circumstances.

*电机加减速设定0.2秒。

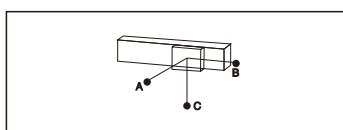
*Acceleration and deceleration value is set 0.2 second.

容许负载悬矩表 Allowable Overhang



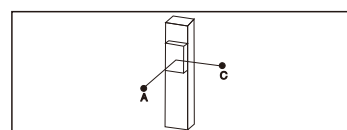
(单位: mm) (Unit: mm)

水平安装 Horizontal Installation		A	B	C
导程 5 Lead	30kg	882	65	78
	40kg	606	43	51
	50kg	437	29	35
导程 10 Lead	15kg	875	138	157
	25kg	485	73	83
	30kg	386	56	64
导程 20 Lead	5kg	1160	384	386
	10kg	561	180	181
	18kg	288	88	89
导程 32 Lead	3kg	822	444	385
	5kg	492	255	224
	-	-	-	-



(单位: mm) (Unit: mm)

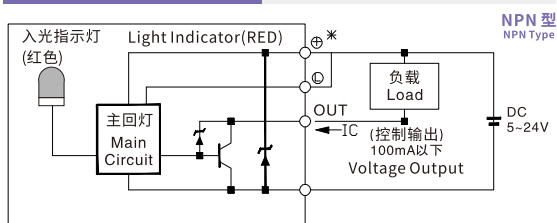
墙面安装 Wall Installation		A	B	C
导程 5 Lead	25kg	100	84	1102
	35kg	63	52	725
	50kg	35	29	433
导程 10 Lead	10kg	250	221	1311
	20kg	110	97	633
	30kg	64	56	385
导程 20 Lead	5kg	317	316	955
	12kg	147	144	455
	18kg	89	88	288
导程 32 Lead	2kg	591	682	1256
	5kg	224	255	488
	-	-	-	-



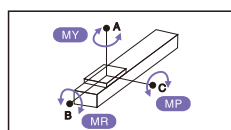
(单位: mm) (Unit: mm)

垂直安装 Vertical Installation		A	C
导程 5 Lead	5kg	544	544
	8kg	341	341
	12kg	227	227
导程 10 Lead	4kg	606	606
	8kg	303	303
	-	-	-
导程 20 Lead	2kg	961	961
	3kg	639	639
	-	-	-

感应器接线图<原点及限位> Sensor Wiring Diagram<Origin And Limit>



静态容许负载惯量 Static Allowable Load Inertia



水平使用时 (单位: mm)
Horizontal Use (Unit: mm)

MY	150
MP	150
MR	130

*悬矩表所表示的数据, 代表重心。

*The torque value in the chart indicate the center of gravity.

*符合型号规范的正常使用时,

保证寿命为10000公里。

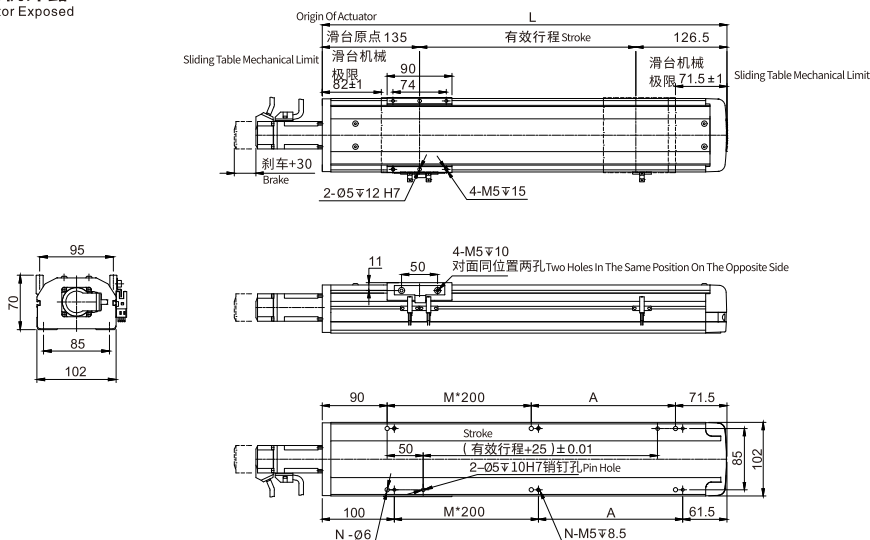
*Operation life is 10,000km when the product is using under the specified conditions.

*倒吊使用无法套用标准规范,

如有需求请咨询我司业务。

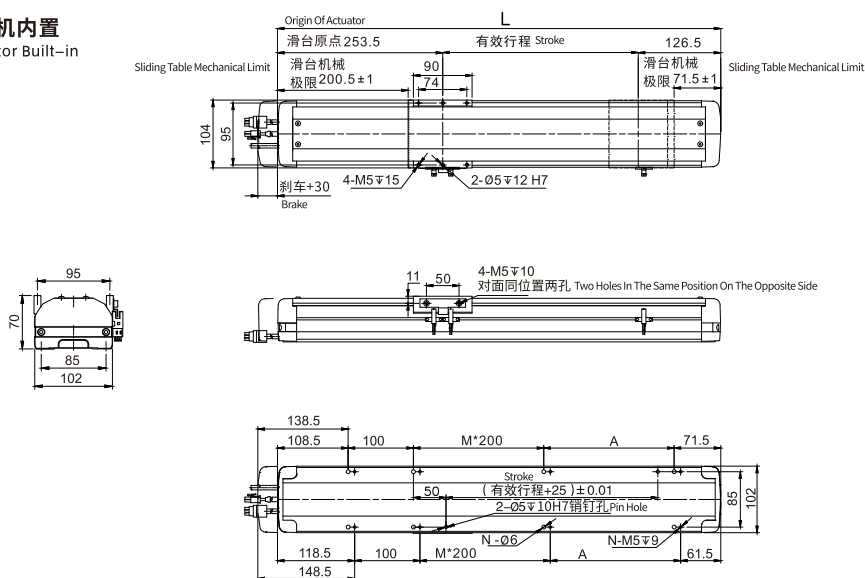
*Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

E 电机外露 Motor Exposed



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	361.5	411.5	461.5	511.5	561.5	611.5	661.5	711.5	761.5	811.5	861.5	911.5	961.5	1011.5	1061.5	1111.5	1161.5	1211.5	1261.5	1311.5
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
KG	5.07	5.46	5.84	6.23	6.62	7.01	7.4	7.78	8.17	8.56	8.95	9.34	9.72	10.11	10.5	10.89	11.28	11.66	12.05	12.44

B 电机内置 Motor Built-in



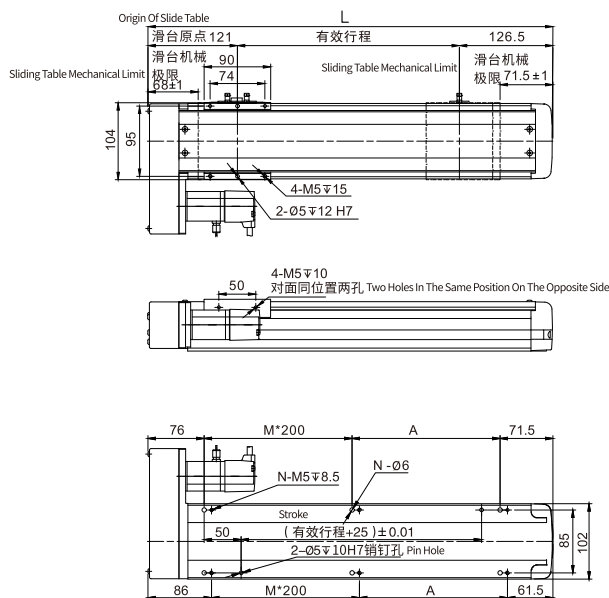
有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330	1380	1430
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
N	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16
KG	5.54	5.93	6.32	6.71	7.1	7.49	7.88	8.27	8.66	9.05	9.44	9.83	10.22	10.61	11	11.39	11.78	12.17	12.56	12.95

电机左折/电机右折

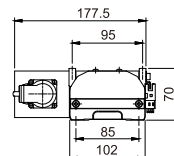
Motor On Left Side/Motor On Right Side



电机左折 Motor On Left Side



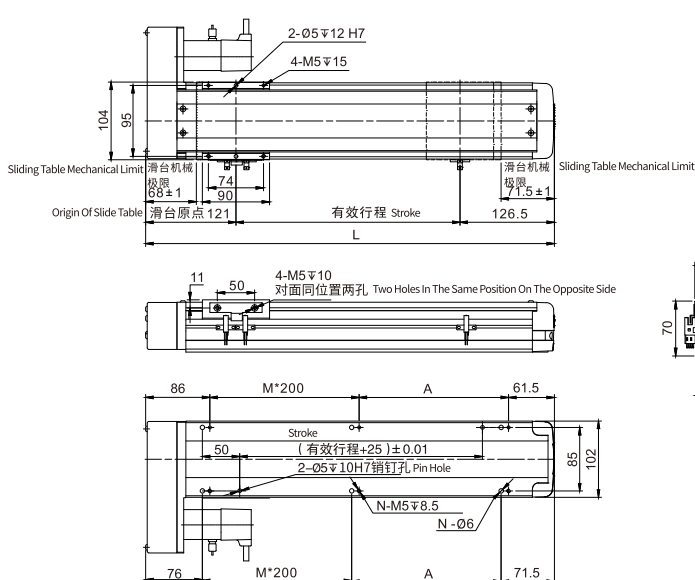
(单位Unit: N.m)



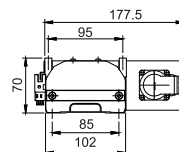
有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	347.5	397.5	447.5	497.5	547.5	597.5	647.5	697.5	747.5	797.5	847.5	897.5	947.5	997.5	1047.5	1097.5	1147.5	1197.5	1247.5	1297.5
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
KG	5.46	5.84	6.23	6.61	7	7.39	7.77	8.16	8.55	8.94	9.32	9.71	10.10	10.48	10.87	11.26	11.64	12.03	12.42	12.81



电机右折 Motor On Right Side



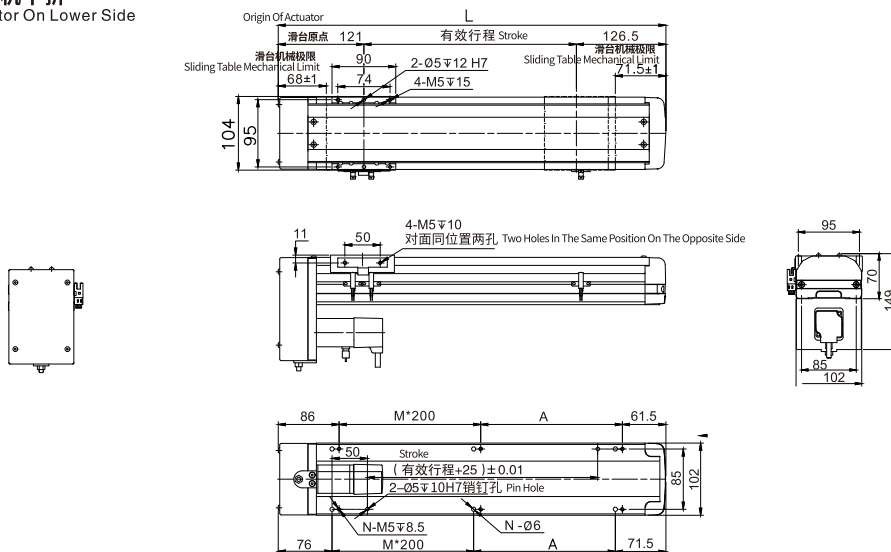
(单位Unit: N.m)



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	347.5	397.5	447.5	497.5	547.5	597.5	647.5	697.5	747.5	797.5	847.5	897.5	947.5	997.5	1047.5	1097.5	1147.5	1197.5	1247.5	1297.5
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
KG	5.46	5.84	6.23	6.61	7	7.39	7.77	8.16	8.55	8.94	9.32	9.71	10.10	10.48	10.87	11.26	11.64	12.03	12.42	12.81

M 电机下折 Motor On Lower Side

(单位Unit: N.m)



有效行程 Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	347.5	397.5	447.5	497.5	547.5	597.5	647.5	697.5	747.5	797.5	847.5	897.5	947.5	997.5	1047.5	1097.5	1147.5	1197.5	1247.5	1297.5
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
KG	5.46	5.84	6.23	6.61	7	7.39	7.77	8.16	8.55	8.94	9.32	9.71	10.10	10.48	10.87	11.26	11.64	12.03	12.42	12.81