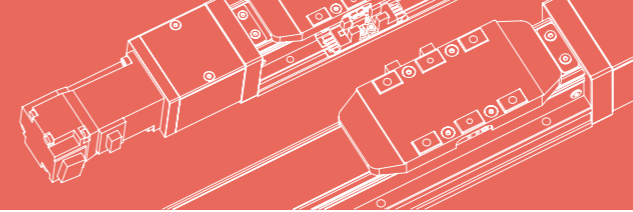


# RGC130 单轴 / 1-axis

▶ 轨道内嵌  
Rail Built-in

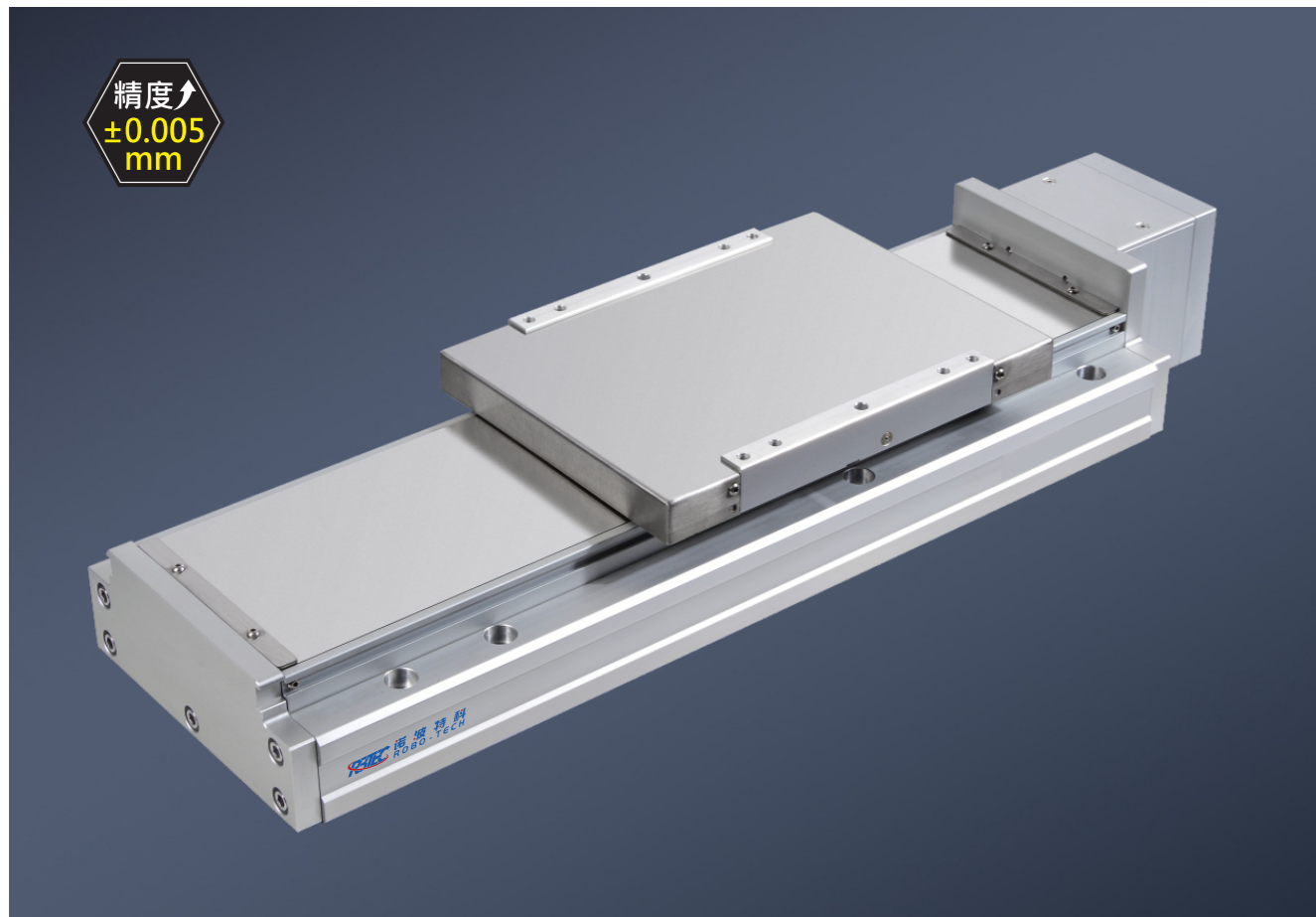
▶ 滚珠丝杆驱动  
Ball Screw Drive



应用列  
Application

一轴/滚珠丝杆样式  
RGC series

无尘/滚珠丝杆样式  
RGC

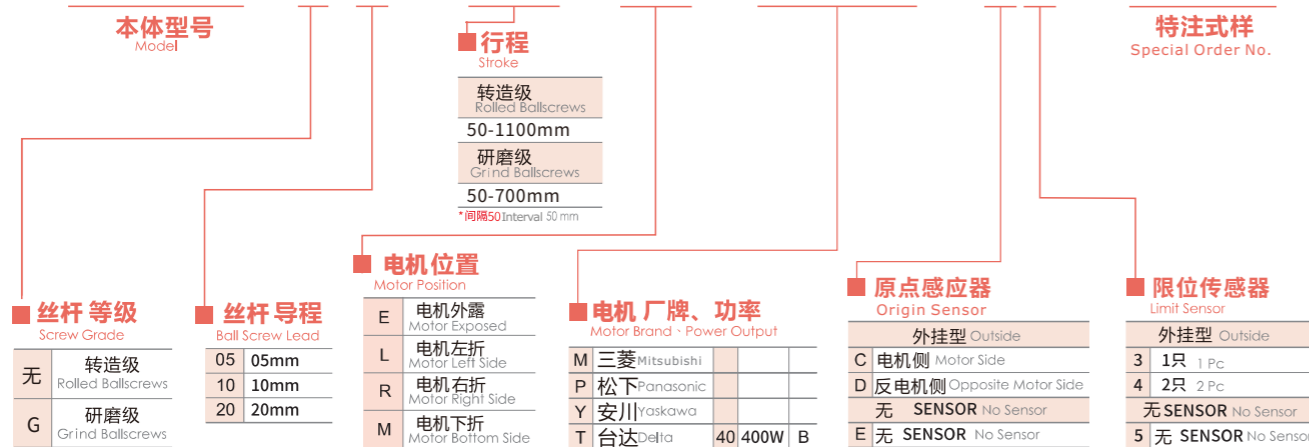


精度  
±0.005 mm

最大行程 1100mm | 最高速度 1920mm/s | 电机容量 400 W | 最大可搬重量 80kg | 滚珠丝杆 ø16mm

## 型号表示方式 Ordering Method

RGC130- 05 - 100 - E - M40B\* - C4 - 01



\*选用G研磨级丝杆，有行程限制，详见基本式样  
G precision-level grind ball screws are not available in all stroke lengths, please consult the model datasheet.

\*若无刹车则B不表示  
If there is no brake, B does not indicate.

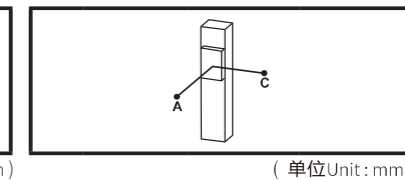
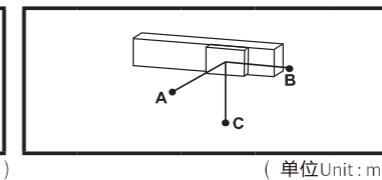
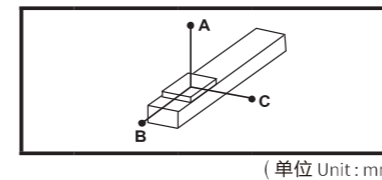
\*选择行程50时，有以下限制：  
When the stroke is 50mm, the sensor installation has the following restrictions:  
1. 原点与极限需放置与不同侧。  
Home sensor and limit sensor has to be installed on the different side of body.  
2. 滑座左右两侧均需安装感应片。  
Both sides of slider need to install the sensor trigger device.

## 基本式样 Specification

性能 Performance	—		G			
	滚珠丝杆等级代号 Ballscrew Accuracy Grade Code					
滚珠丝杆等级 Ballscrew Accuracy Grade		C7 转造 C7 Rolled Ballscrew	C5 研磨 C5 Grind Ballscrew			
位置重复精度 Repeatability	mm	±0.005				
标准行程 Stroke Pitch	mm	50-1100 mm / 50 间隔 Interval	50-700mm / 50 间隔 Interval			
滚珠丝杆导程 Ball Screw Lead	mm	5	10	20	32	
最高转速 Maximum Rotating Speed	rpm	3600	3600	3600	3600	
最高速度 Maximum Linear Speed <sup>*1</sup> <sup>*2</sup>	mm/s	300	600	1200	1920	
最大可搬重量 Maximum Payload	水平使用 Horizontal	kg	80	60	35	20
	垂直使用 Vertical	kg	25	20	10	7
定格推力 Rated Thrust	N	1388	694	347	218	
最大加速度 Maximum Acceleration	G	0.3	0.3	0.6	0.6	
AC伺服电机容量 AC Servo Motor Output	W	400				
滚珠丝杆外径 Ball Screw Ø	mm	Ø16				
联轴器 Coupling	mm	Ø10-Ø11/14				
原点及限位感应器 <sup>*</sup> Origin & Limit Sensor		外挂 Outside				
		EE-SX911(NPN)				

\*1 电机加减速设定0.2秒，Acceleration and deceleration value is set 0.2 second.  
\*2 长行程时，会产生滚珠丝杆偏摆，需将速度调降（线速度请参阅尺寸图下文表格）  
During in a long stroke, it causes ballscrew deflection, the speed must reduce. (Please refer to the linear velocity from the data sheet below the dimension graph.)  
\*3 有关传感器另外的选型，如有需求请洽询我司业务。  
For additional selection of sensors, please contact our business if you have any requirements.

## 容许负载悬矩表 Allowable Overhang

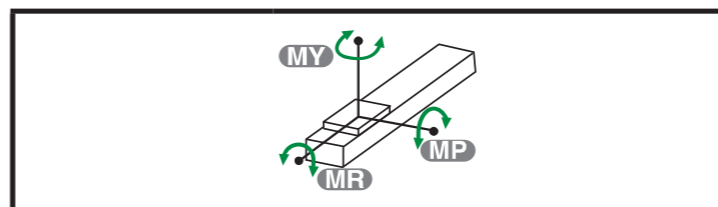


水平安装 Horizontal Installation		A	B	C
导程 5 Lead	35kg	3738	374	511
	60kg	2110	203	293
	80kg	1499	146	205
导程 10 Lead	30kg	2040	403	518
	50kg	1193	232	299
导程 20 Lead	10kg	2352	940	1011
	20kg	1154	456	493
导程 32 Lead	10kg	933	590	523
	15kg	607	379	337
	20kg	449	278	248

壁挂安装 Wall Installation		A	B	C
导程 5 Lead	35kg	511	374	3738
	60kg	293	203	2110
	80kg	205	146	1499
导程 10 Lead	30kg	518	403	2040
	50kg	299	232	1193
导程 20 Lead	10kg	1011	940	2352
	20kg	493	456	1154
导程 32 Lead	10kg	523	590	933
	15kg	337	379	607
	20kg	248	278	449

垂直安装 Vertical Installation		A	C
导程 5 Lead	10kg	1024	1024
	15kg	704	704
	25kg	390	390
导程 10 Lead	5kg	355	355
	10kg	960	960
导程 20 Lead	3kg	1902	1902
	6kg	1363	1363
导程 32 Lead	3kg	1946	1946
	5kg	1167	1167
	7kg	583	583

## 静态容许负载惯量 Static Allowable Load Inertia



MY	524
MP	524
MR	1032

\*力矩表所表示的数据，代表荷重的重心位置于单一方向容许悬出的长度。  
The data represented by the moment table is the center of gravity of the load. The length of the overhang is allowed in a single direction.  
\*符合型录规范的正常使用时，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，如有需求请洽询我司业务。  
Data information is not for ceiling-mount inverse use.  
Contact us for the details if you want to apply ceiling-mount inverse usage.

# RGC130 单轴 / 1-axis

▶ 轨道内嵌  
Rail Built-in

▶ 滚珠丝杆驱动  
Ball Screw Drive



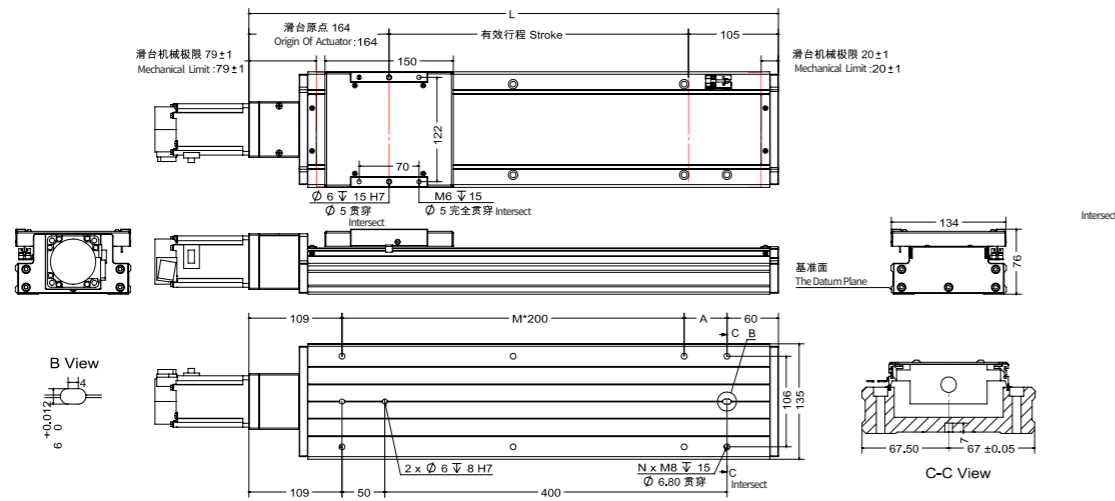
应用列  
Application

一轴/滚珠丝杆样式  
RGC series

无尘/滚珠丝杆样式  
RGC

## E 电机外露 Motor Exposed

单位 Unit: mm

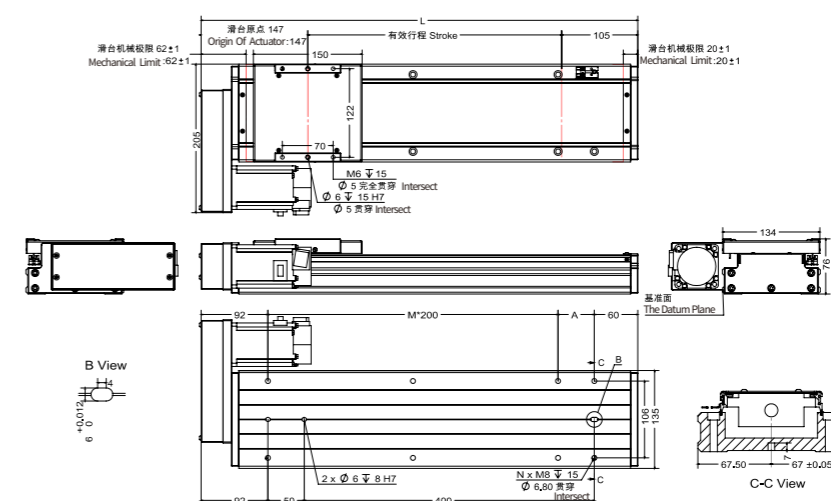


有效行程 Stroke	50 <sup>-2</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
极限行程 Limit Stroke (±1)	70	120	170	220	270	320	370	420	470	520	570	620	670	720	770	820	870	920	970	1020	1070	1120
L	319	369	419	469	519	569	619	669	719	769	819	869	919	969	1019	1069	1119	1169	1219	1269	1319	1369
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
KG	5.6	6.2	6.8	7.4	8	8.6	9.2	9.8	10.4	11	11.6	12.2	12.8	13.4	14	14.6	15.2	15.8	16.4	17	17.6	18.2
线速度 Linear Speed mm/s	导程 Lead 5	300											267	250	225	200	175	150	125	100	75	50
	导程 Lead 10	600											533	500	450	400	350	300	250	200	150	100
	导程 Lead 20	1200											1067	1000	900	800	700	600	500	400	300	200
	导程 Lead 32	1920											1707	1600	1440	1280	1120	960	800	640	480	320

※行程50时，因本体上锁式固定孔会被滑座遮住，仅能使用4支螺丝固定，建议客户本体用下锁式固定孔锁附。When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix as a result, suggest that fixing actuator body from the bottom to the top.

## L 电机左折 Motor Left Side

单位 Unit: mm

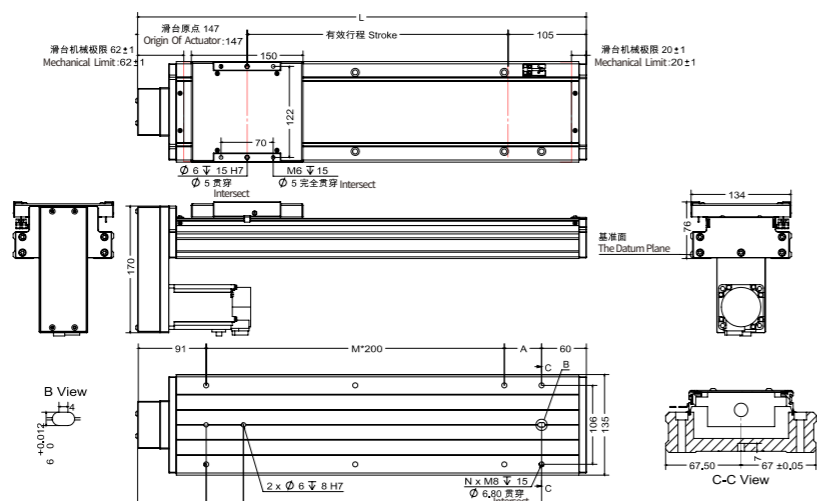


有效行程 Stroke	50 <sup>-2</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
极限行程 Limit Stroke (±1)	70	120	170	220	270	320	370	420	470	520	570	620	670	720	770	820	870	920	970	1020	1070	1120
L	302	352	402	452	502	552	602	652	702	752	802	852	902	952	1002	1052	1102	1152	1202	1252	1302	1352
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
KG	6	6.6	7.2	7.8	8.4	9	9.6	10.2	10.8	11.4	12	12.6	13.2	13.8	14.4	15	15.6	16.2	16.8	17.4	18	18.6
线速度 Linear Speed mm/s	导程 Lead 5	300											267	250	225	200	175	150	125	100	75	50
	导程 Lead 10	600											533	500	450	400	350	300	250	200	150	100
	导程 Lead 20	1200											1067	1000	900	800	700	600	500	400	300	200
	导程 Lead 32	1920											1707	1600	1440	1280	1120	960	800	640	480	320

※行程50时，因本体上锁式固定孔会被滑座遮住，仅能使用4支螺丝固定，建议客户本体用下锁式固定孔锁附。When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix as a result, suggest that fixing actuator body from the bottom to the top.

## M 电机下折 Motor Bottom Side

单位 Unit: mm

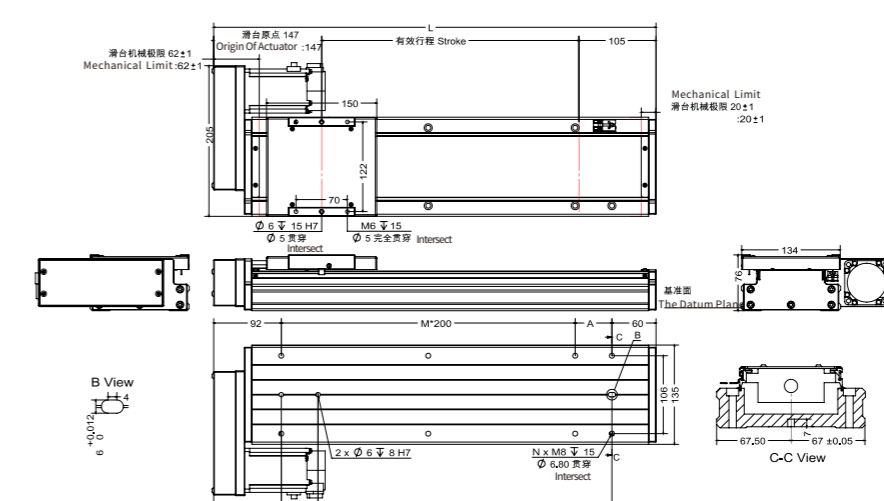


有效行程 Stroke	50 <sup>-2</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
极限行程 Limit Stroke (±1)	70	120	170	220	270	320	370	420	470	520	570	620	670	720	770	820	870	920	970	1020	1070	1120
L	302	352	402	452	502	552	602	652	702	752	802	852	902	952	1002	1052	1102	1152	1202	1252	1302	1352
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
KG	6	6.6	7.2	7.8	8.4	9	9.6	10.2	10.8	11.4	12	12.6	13.2	13.8	14.4	15	15.6	16.2	16.8	17.4	18	18.6
线速度 Linear Speed mm/s	导程 Lead 5	300											267	250	225	200	175	150	125	100	75	50
	导程 Lead 10	600											533	500	450	400	350	300	250	200	150	100
	导程 Lead 20	1200											1067	1000	900	800	700	600	500	400	300	200
	导程 Lead 32	1920											1707	1600	1440	1280	1120	960	800	640	480	320

※行程50时，因本体上锁式固定孔会被滑座遮住，仅能使用4支螺丝固定，建议客户本体用下锁式固定孔锁附。When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix as a result, suggest that fixing actuator body from the bottom to the top.

## R 电机右折 Motor Right Side

单位 Unit: mm



有效行程 Stroke	50 <sup>-2</sup>	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
极限行程 Limit Stroke (±1)	70	120	170	220	270	320	370	420	470	520	570	620	670	720	770	820	870	920	970	1020	1070	1120
L	302	352	402	452	502	552	602	652	702	752	802	852	902	952	1002	1052	1102	1152	1202	1252	1302	1352
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
KG	6	6.6	7.2	7.8	8.4	9	9.6	10.2	10.8	11.4	12	12.6	13.2	13.8	14.4	15	15.6	16.2	16.8	17.4	18	18.6
线速度 Linear Speed mm/s	导程 Lead 5	300											267	250	225	200	175	150	125	100	75	50
	导程 Lead 10	600											533	500	450	400	350	300	250	200	150	100
	导程 Lead 20	1200											1067	1000	900	800	700	600	500	400	300	200
	导程 Lead 32	1920											1707	1600	1440	1280	1120	960	800	640	480	320

※行程50时，因本体上锁式固定孔会被滑座遮住，仅能使用4支螺丝固定，建议客户本体用下锁式固定孔锁附。When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix as a result, suggest that fixing actuator body from the bottom to the top.