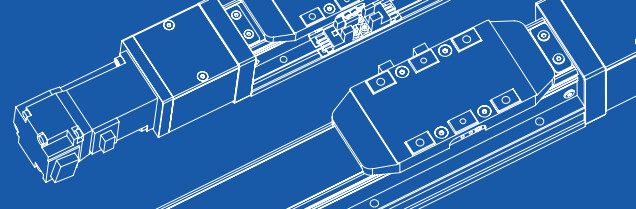


RGH14 单轴 /1-axis

▶ 轨道内嵌
Rail Built-in

▶ 滚珠丝杆驱动
Ball Screw Drive



RSTEC 诺波特科

应用列
Application

一轴/滚珠丝杆样式
RGH series

无尘/滚珠丝杆样式
RGC

基本式样 Specification

性能 Performance	滚珠丝杆 等级代号 Ball screw Accuracy Grade Code			—		G	
	滚珠丝杆 等级 Ball screw 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	50-1250mm / 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 ※1 ※2		mm/s	300	600	1200	1920
	最大可搬重量 Maximum Payload	水平使用 Horizontal	kg	130	100	50	30
		垂直使用 Vertical	kg	33	22	10	8
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	
部品 Parts	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			
	原点及限位感应器 ※ Origin and Limit Sensor		外挂 Outside	EE-SX911(NPN)			

※1 电机加速减速设定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)

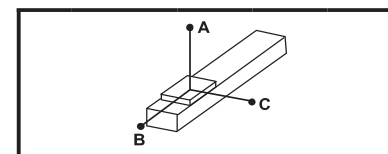
During in a long stroke, it causes ballscrew deflection, the speed must reduce. (Please refer to the linear velocity from the data sheet below the dimension graph.)

※3 有关传感器另外的选型, 如有需求请洽询我司业务。

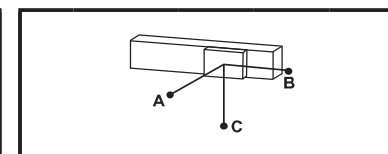
For additional selection of sensors, please contact our business if you have any requirements.

※4 使用Panasonic 200W电机时, 电机轴心为 Ø11; 其他厂牌, 电机轴心为 Ø14. Motor (200W) Shaft Diameter: Panasonic: 11mm; Other: 14mm.

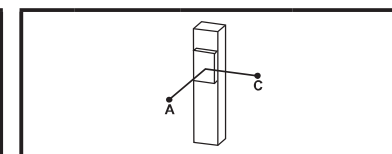
容许负载悬矩表 Allowable Overhang



(单位 Unit : mm)



(单位 Unit : mm)



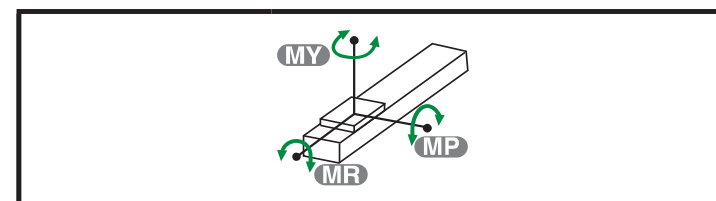
(单位 Unit : mm)

水平安装 Horizontal Installation		A	B	C
导程 5 Lead	60kg	3397	340	465
	100kg	1972	190	274
	130kg	1437	140	197
导程 10 Lead	50kg	1907	377	485
	80kg	1162	226	292
	100kg	887	168	217
导程 20 Lead	15kg	2443	977	1050
	30kg	1199	474	512
	50kg	669	271	294
导程 32 Lead	10kg	1454	920	815
	20kg	710	443	394
	30kg	467	289	258

壁挂安装 Wall Installation		A	B	C
导程 5 Lead	60kg	465	254	3397
	100kg	274	184	1972
	130kg	197	127	1437
导程 10 Lead	50kg+	485	478	1907
	80kg+	292	277	1162
	100kg	217	146	887
导程 20 Lead	15kg+	1050	1235	2443
	30kg+	512	547	1199
	50kg+	294	289	669
导程 32 Lead	10kg+	815	527	1454
	20kg+	394	306	710
	30kg	258	251	467

垂直安装 Vertical Installation		A	C
导程 5 Lead	15kg	1600	1600
	22kg+	1100	1100
	33kg+	610	610
导程 10 Lead	10kg+	2118	2118
	14kg+	1500	1500
	22kg+	705	705
导程 20 Lead	5kg	2972	2972
	7kg	2130	2130
	10kg+	994	994
32 Lead	3kg	3041	3041
	5kg	1824	1824
	8kg	911	911

静态容许负载惯量 Static Allowable Load Inertia



(单位 Unit : N.m)

MY	795
MP	795
MR	1565

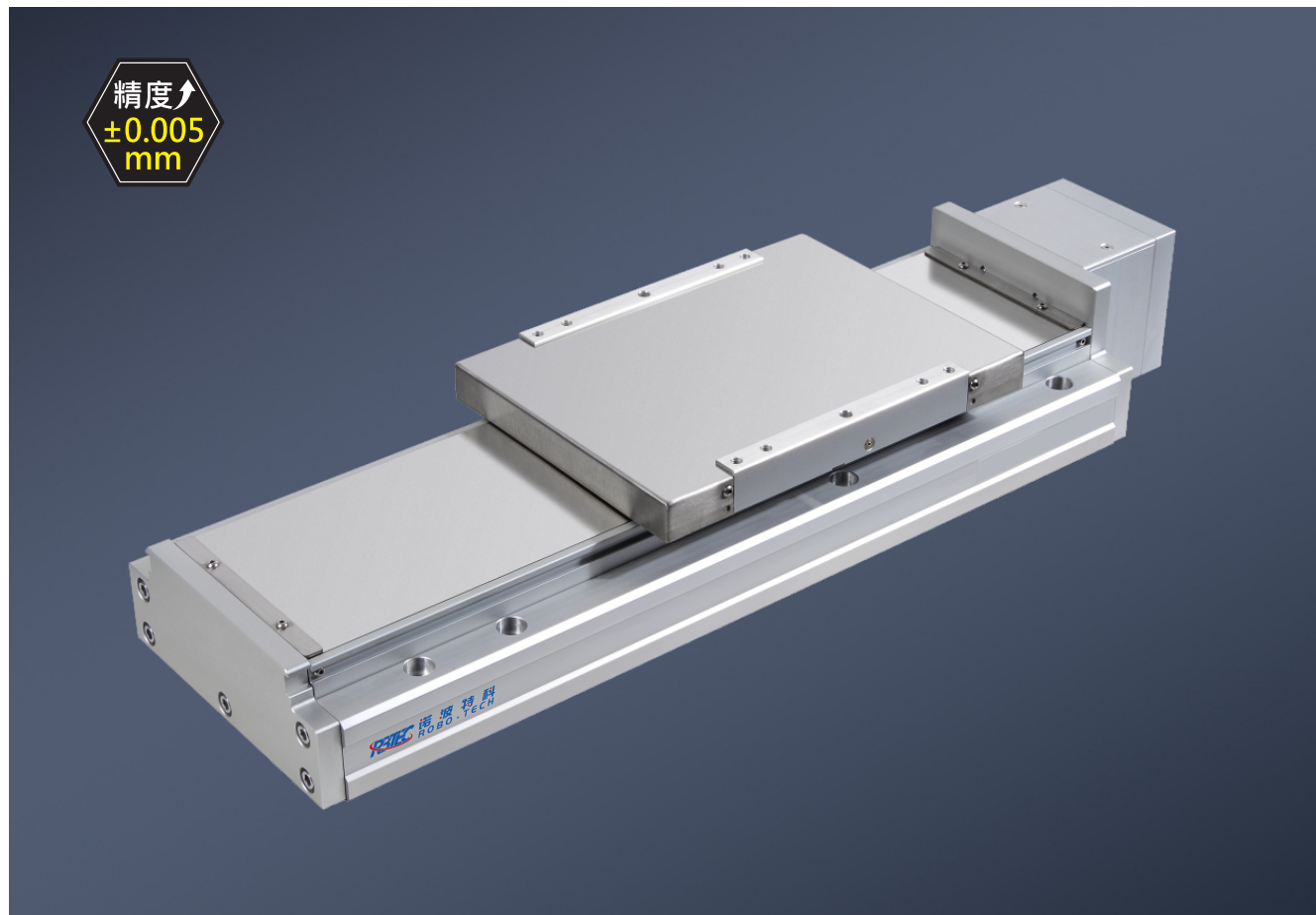
*力矩表所表示的数据, 代表荷重的重心位置于单一方向容许悬出的长度。
The data represented by the moment table is the center of gravity of the load. The length of the overhang is allowed in a single direction.

*符合型式规范的正常使用下, 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.



精度
±0.005 mm

最大行程
Maximum Stroke 1250mm

最高速度
Maximum Speed 1920mm/s

电机容量
Motor Output 400W

最大可搬重量
Max Payload 130kg

滚珠丝杆
Ball Screw ø16mm

型号表示方式 Ordering Method

RGH14- 05 - 100 - E - M40B* - C 4 - 01

本体型号 Model

行程 Stroke

转造级 Rolled Ballscrews

50-1250 mm

研磨级 Grind Ballscrews

50-700mm

*间隔50 Interval 50 mm

电机位置 Motor Position

E 电机外露 Motor Exposed

L 电机左折 Motor Left Side

R 电机右折 Motor Right Side

M 电机下折 Motor Bottom Side

电机厂牌、功率 Motor Brand · Power Output

M 三菱 Mitsubishi

P 松下 Panasonic

Y 安川 Yaskawa

T 台达 Delta

40 400W B

原点感应器 Origin Sensor

外挂型 Outside

C 电机侧 Motor Side

D 反电机侧 Opposite Motor Side

无 SENSOR No Sensor

E 无 SENSOR No Sensor

限位传感器 Limit Sensor

外挂型 Outside

3 1只 1 Pc

4 2只 2 Pc

无 SENSOR No Sensor

5 无 SENSOR No Sensor

特殊式样 Special Order No.

丝杆等级 Screw Grade

无	转造级 Rolled Ballscrews
G	研磨级 Grind Ballscrews

*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.

丝杆导程 Ball Screw Lead

05	05mm
10	10mm
20	20mm
32	32mm

电机位置 Motor Position

E	电机外露 Motor Exposed
L	电机左折 Motor Left Side
R	电机右折 Motor Right Side
M	电机下折 Motor Bottom Side

电机厂牌、功率 Motor Brand · Power Output

M	三菱 Mitsubishi		
P	松下 Panasonic		
Y	安川 Yaskawa		
T	台达 Delta	40	400W B

*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

外挂型 Outside
C 电机侧 Motor Side
D 反电机侧 Opposite Motor Side
无 SENSOR No Sensor
E 无 SENSOR No Sensor

*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. 滑座左右两侧皆需安装感应片。
Both sides of slider need to install the sensor trigger device

限位传感器 Limit Sensor

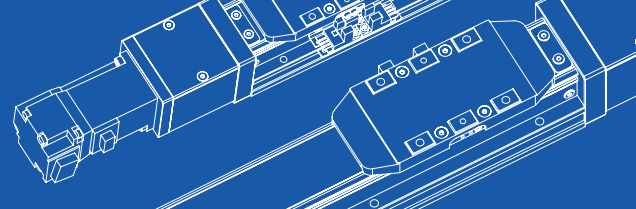
外挂型 Outside
3 1只 1 Pc
4 2只 2 Pc
无 SENSOR No Sensor
5 无 SENSOR No Sensor

轨道内嵌

Rail Built-in

滚珠丝杆驱动

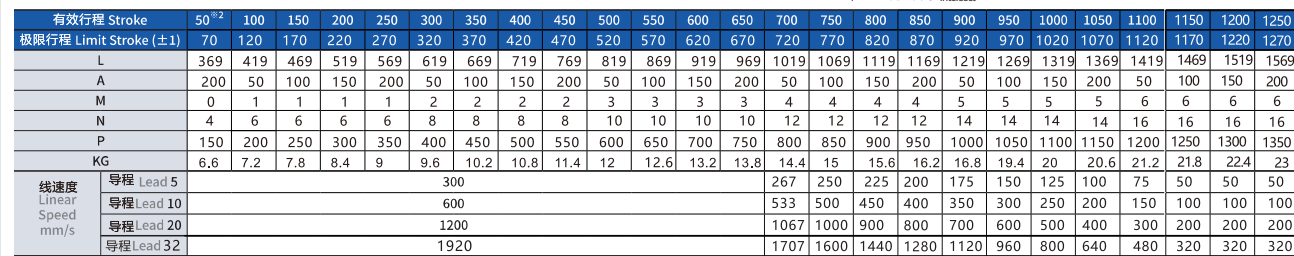
Ball Screw Drive



一般/滚珠丝杆样式 RGH series

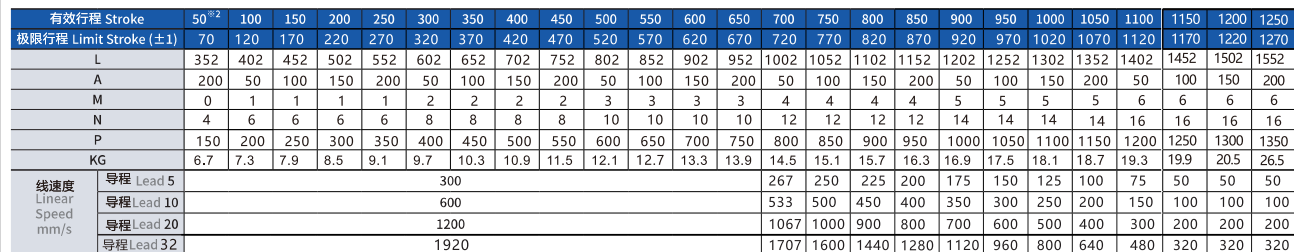
无尘/滚珠丝杆样式
RGC

单位 Unit: mm



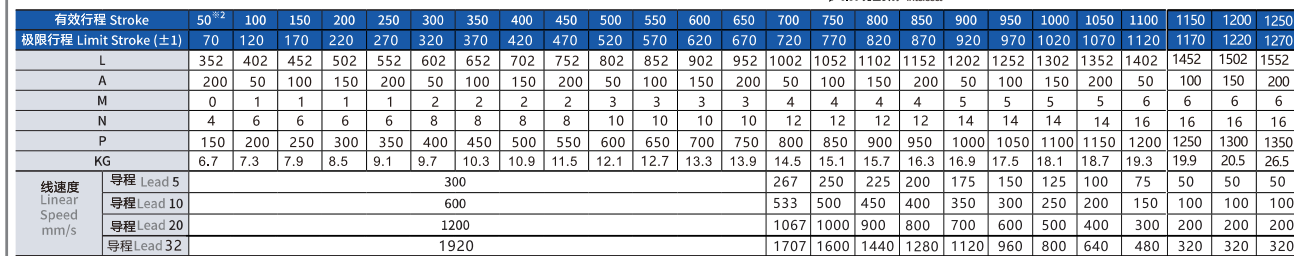
※2行程50时, 因本体上锁式固定孔会被滑座遮住, 仅能使用4支螺丝固定, 建议客户本体用下锁式固定孔锁附。When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix; as a result, suggest that fixing actuator body from the bottom to the top.

单位 Unit: mm



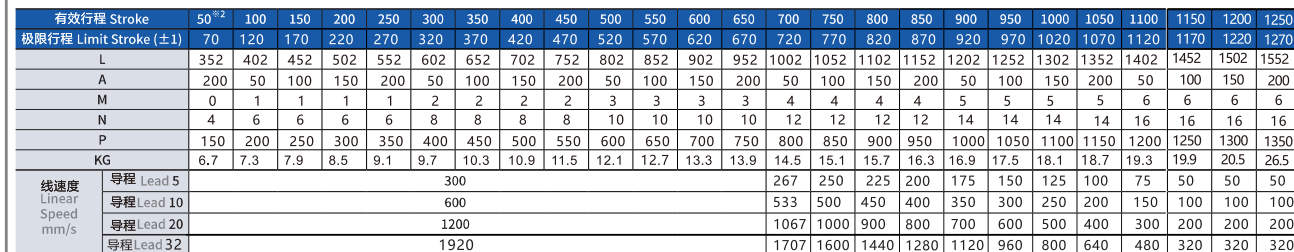
※ 2行程50mm时，因本体上锁式固定孔会被滑座遮住，仅能使用4支螺丝固定，建议客户本体用下锁式固定孔锁附。When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix; as a result, suggest that fixing actuator body from the bottom to the top.

单位 Unit: mm



※ 2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 slide and only can be uses 4 screws to fix; as a result, suggest that fixing actuator body from the bottom to the top.

单位 Unit: mm



※ 2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.