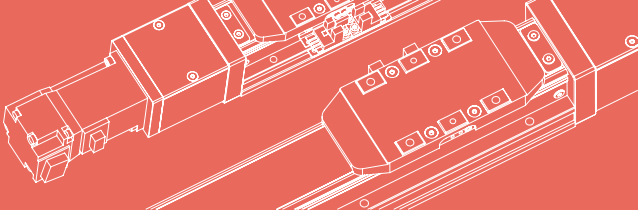


RGC50 单轴 /1-axis

- ▶

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
RGH series

无尘/滚珠丝杆样式
RGC



精度
±0.005 mm

最大行程
Maximum Stroke
800mm

最高速度
Maximum Speed
1200mm/s

电机容量
Motor Output
100W

最大可搬重量
Max Payload
35kg

滚珠丝杆
Ball Screw
ø12mm

型号表示方式 Ordering Method

RGC50 -

05 -

100 -

E -

M10B^{*} -

C4 -

01

本体型号
Model

行程
Stroke

丝杆等级
Screw Grade

丝杆导程
Ball Screw Lead

电机位置
Motor Position

电机厂牌、功率
Motor Brand · Power Output

原点感应器
Origin Sensor

限位传感器
Limit Sensor

转造级
Rolled Ballscrews
50-800mm

研磨级
Grind Ballscrews
50-300mm
*间隔50 Interval 50 mm

电机外露
Motor Exposed
E

电机左折
Motor Left Side
L

电机右折
Motor Right Side
R

电机下折
Motor Bottom Side
M

三菱 Mitsubishi
松下 Panasonic 10 100W B
安川 Yaskawa
台达 Delta

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

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

无

转造级
Rolled Ballscrews

G

研磨级
Grind Ballscrews

05

10

20

05mm

10mm

20mm

E

L

R

M

电机外露

电机左折

电机右折

电机下折

M

P

Y

T

三菱 Mitsubishi

松下 Panasonic

安川 Yaskawa

台达 Delta

10

100W

B

C

D

无

E

电机侧 Motor Side

反电机侧 Opposite Motor Side

无 SENSOR No Sensor

无 SENSOR No Sensor

3

4

无

5

1只 1 Pc

2只 2 Pc

无 SENSOR No Sensor

无 SENSOR No Sensor

* 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	滚珠丝杆等级代号 Ballscrew Accuracy Grade Code	—			G			
	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 50-800 mm /50 间隔 Interval		50-300mm /50 间隔 Interval				
	滚珠丝杆导程 Ball Screw Lead	mm 5		10		20		
	最高转速 Maximum Rotating Speed	rpm 3600		3600		3600		
部品 Parts	最高速度 Maximum Linear Speed	mm/s *1 *2 300		600		1200		
	最大可搬重量 Maximum Payload	kg 水平使用 Horizontal 35		20		12		
		kg 垂直使用 Vertical 10		5		2.5		
	定格推力 Rated Thrust		N 341		170			
	最大加速度 Maximum Acceleration		G 0.3		0.3			
	AC伺服电机容量 AC Servo Motor Output		W 100					
	滚珠丝杆外径 Ball Screw Ø		mm Ø12					
	联轴器 Coupling		mm Ø7-Ø8					
	原点及限位感应器 * 外挂 Outside							
	Origin & Limit Sensor				EE-SX911(NPN)			

*1 电机加减速设定0.2秒，Acceleration and deacceleration value is set 0.2 second.
*2 长行程时，会产生滚珠丝杆偏摆，需将速调降（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，如有需求请咨询我司业务。
For additional selection of sensors, please contact our business it you have any requirements.

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	15kg	638	63	84		
	30kg	298	26	34		
	35kg	231	18	26		
导程 10 Lead	5kg	921	177	216		
	10kg	428	80	96		
	20kg	202	35	43		
导程 20 Lead	5kg	344	133	136		
	8kg	210	79	82		
	12kg	136	51	53		

壁挂安装 Wall Installation				A	B	C
导程 5 Lead	15kg	84	63	638		
	30kg	34	26	298		
	35kg	26	18	231		
导程 10 Lead	5kg	216	177	921		
	10kg	96	80	428		
	20kg	43	35	202		
导程 20 Lead	5kg	136	133	344		
	8kg	82	79	210		
	12kg	53	51	136		

垂直安装 Vertical Installation			A	C
导程 5 Lead	6kg	188	188	
	8kg	140	140	
	10kg	112	112	
导程 10 Lead	1kg	979	979	
	3kg	326	326	
	5kg	194	194	
导程 20 Lead	1kg	728	728	
	2kg	363	363	
	2.5kg	290	290	

静态容许负载惯量 Static Allowable Load Inertia

MY	117
MP	117
MR	164

(单位 Unit : N.m)

* 力矩表所表示的数据，代表荷重的重心位置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.

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RGC50 单轴 /1-axis

轨道内嵌
Rail Built-in

滚珠丝杆驱动
Ball Screw Drive



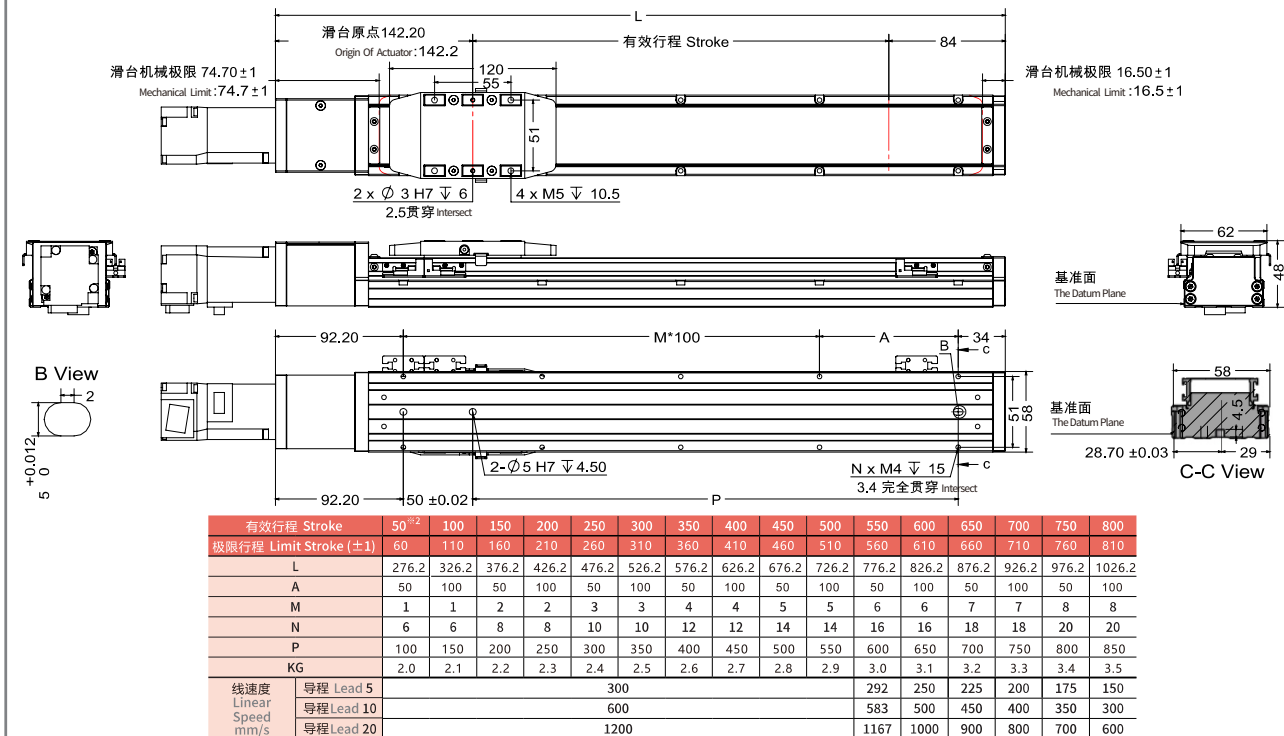
应用列
Application

一轴/滚珠丝杆样式
RGH series

无轴/滚珠丝杆样式
RGC

E 电机外露 Motor Exposed

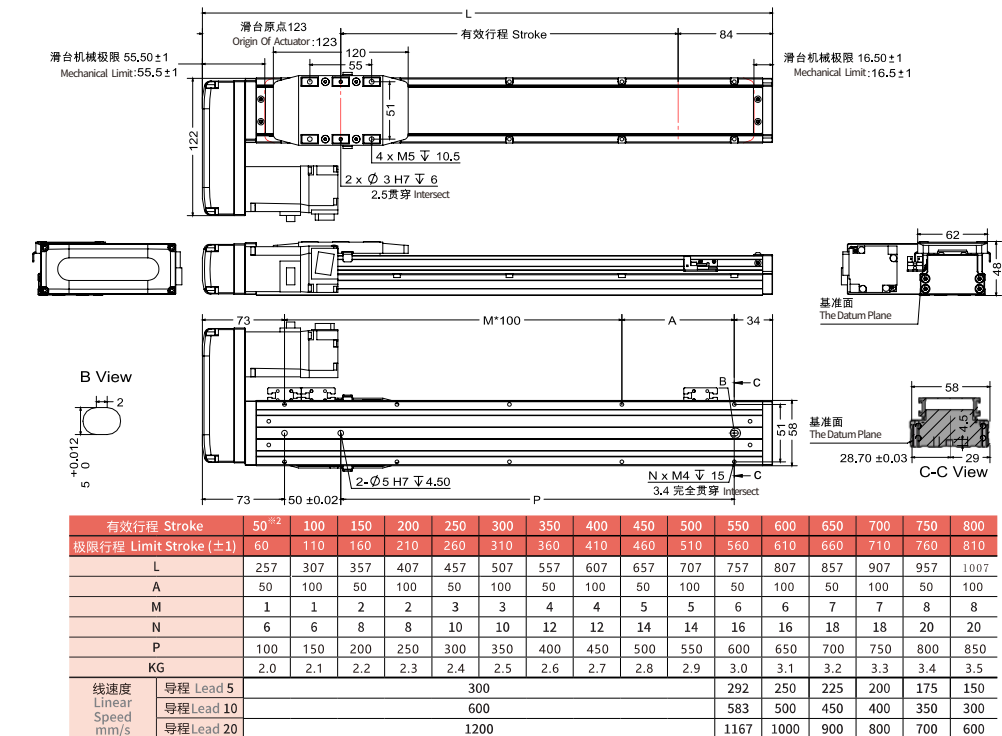
单位 Unit: mm



※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

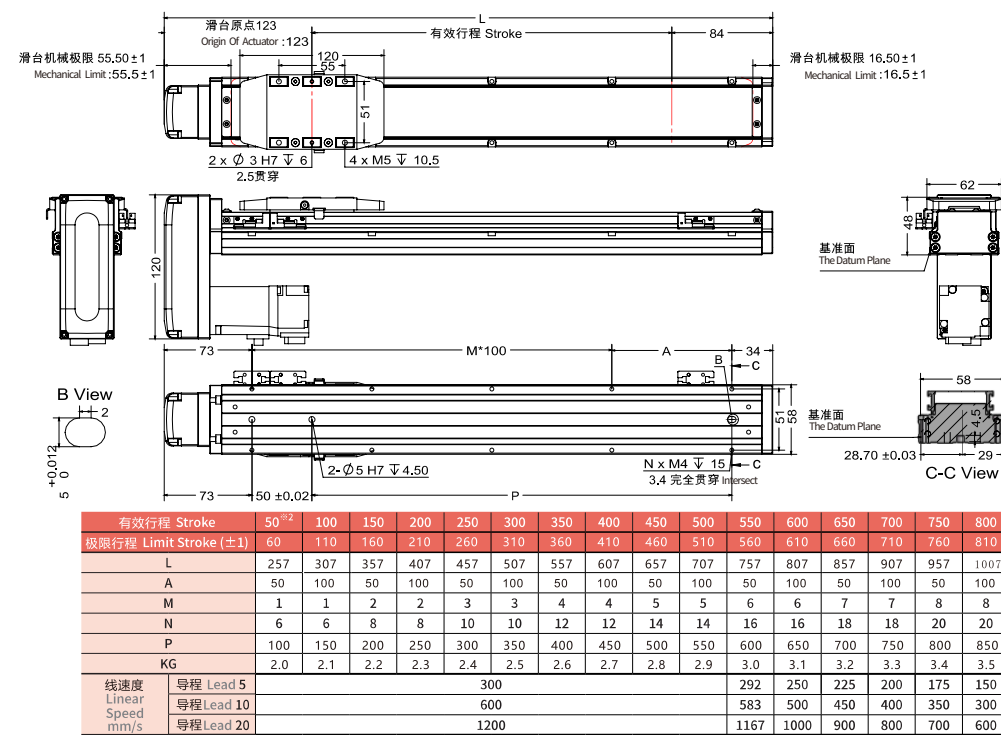
单位 Unit: mm



※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

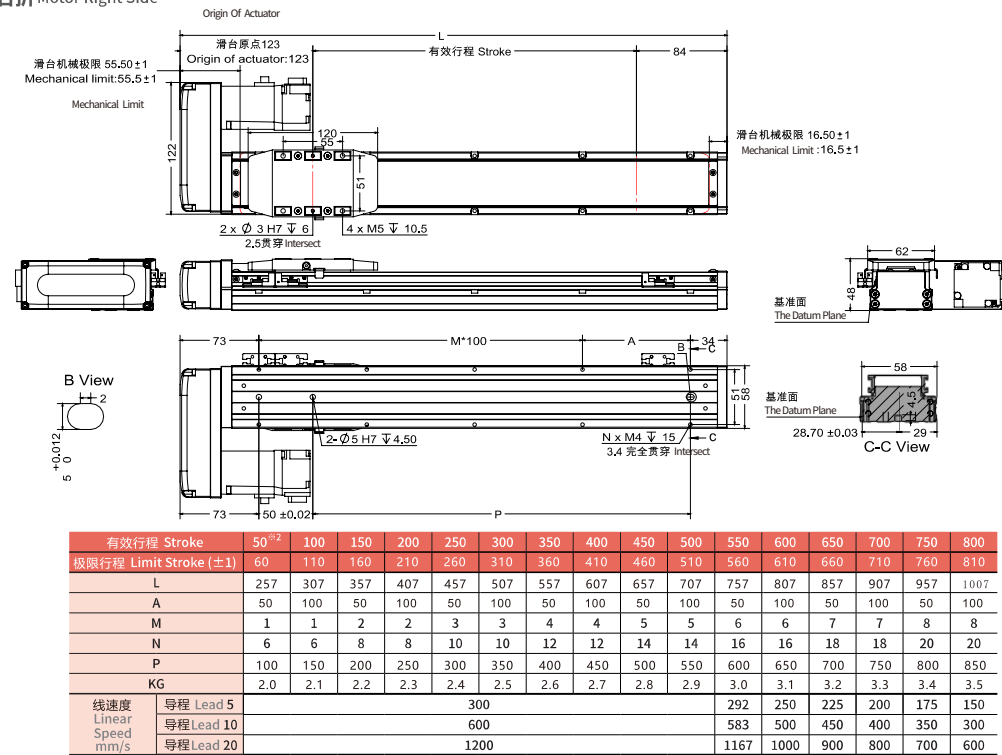
单位 Unit: mm



※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



※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.