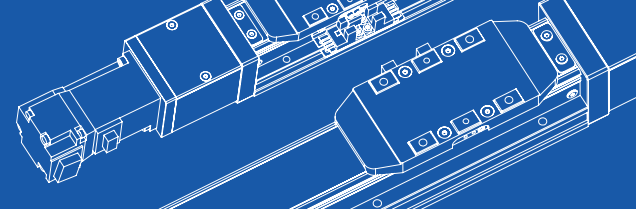


# RGH17 单轴 /1-axis

▶ 轨道内嵌  
Rail Built-in

▶ 滚珠丝杆驱动  
Ball Screw Drive

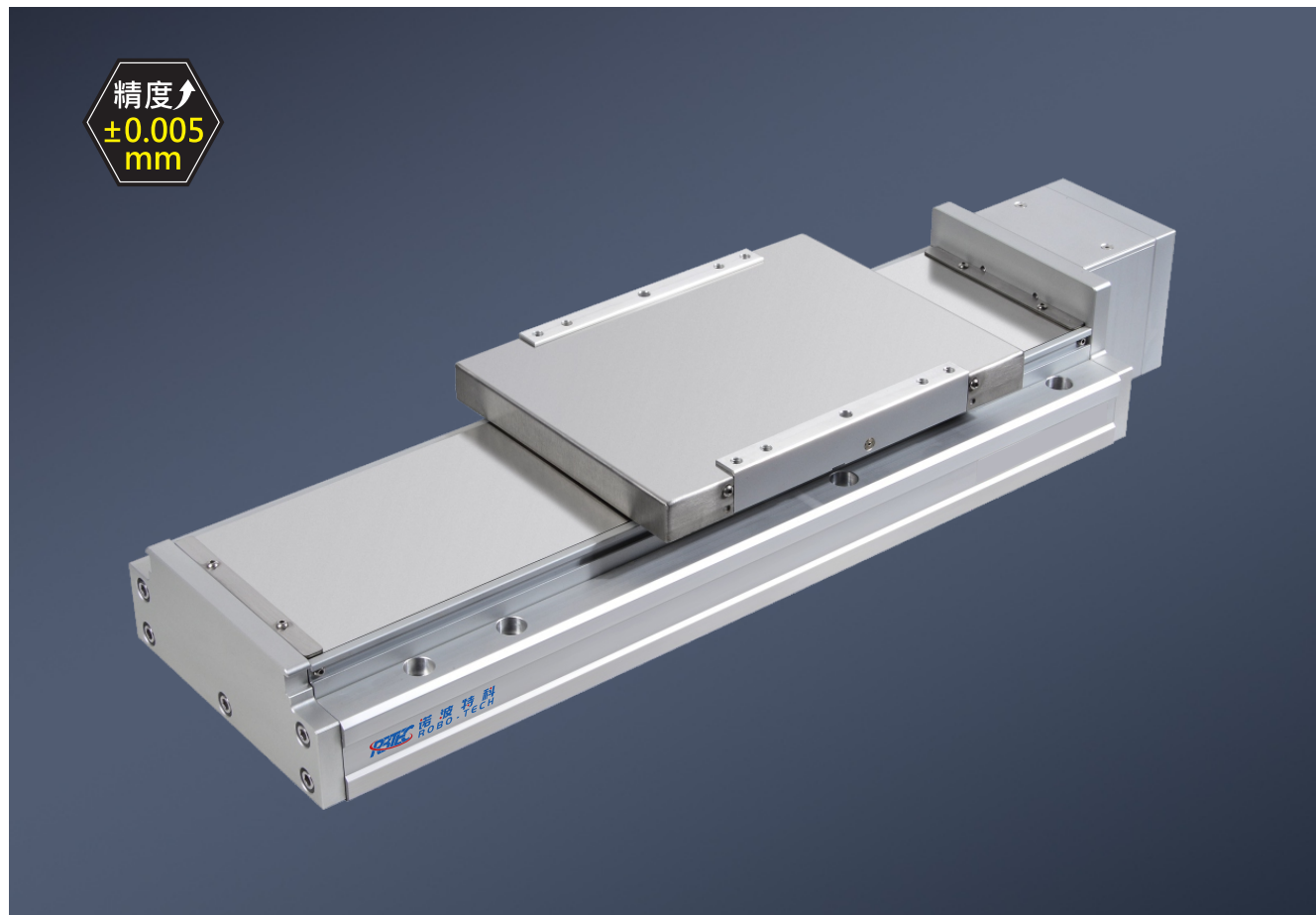


**RSTEC 诺波特科**

应用列  
Application

一轴/滚珠丝杆样式  
RGH series

无尘/滚珠丝杆样式  
RGC



精度  
±0.005 mm

最大行程 1250mm  
最高速度 2400mm/s  
电机容量 750W  
最大可搬重量 150kg  
滚珠丝杆 ø20mm

## 型号表示方式 Ordering Method

**RGH17- 05 - 100 - E - M75B\* - C 4 - 01**

**本体型号 Model**

**行程 Stroke**

转造级 Rolled Ballscrews  
50-1250mm

研磨级 Grind Ballscrews  
50-700mm  
\*间隔50 Interval 50 mm

**丝杆等级 Screw Grade**

无 转造级 Rolled Ballscrews  
G 研磨级 Grind Ballscrews

**丝杆导程 Ball Screw Lead**

05 05mm  
10 10mm  
20 20mm  
40 40mm

**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 75 750W B  
T 台达 Delta

**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

\*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.

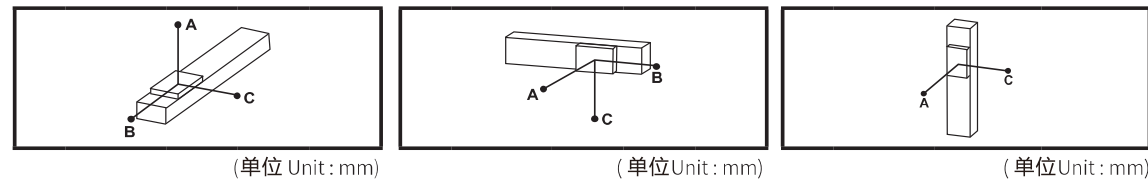
\*选择行程50时，有以下限制：  
When the stroke is 50mm, the sensor installation has the following restrictions:  
1.原点与极限需放置与不同侧。  
Home sensor and limit sensor has to be installed on the different side of body.  
2.滑座左右两侧皆需安装感应片。  
Both sides of slider need to install the sensor trigger device

## 基本式样 Specification

| 性能<br>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                        |  | 50-1250mm / 50间隔 Interval |  |
|                   | 滚珠丝杆导程 Ball Screw Lead                 | mm                        |  | 50-700mm / 50 间隔 Interval |  |
|                   | 最高转速 Maximum Rotating Speed            | rpm                       |  | 3600                      |  |
| 部品<br>Parts       | 最高速度 Maximum Linear Speed              | mm/s                      |  | 300                       |  |
|                   | 最大可搬重量 Maximum Payload                 | kg                        |  | 150                       |  |
|                   | 定格推力 Rated Thrust                      | N                         |  | 2602                      |  |
|                   | 最大加速度 Maximum Acceleration             | G                         |  | 0.3                       |  |
|                   | AC伺服电机容量 AC Servo Motor Output         | W                         |  | 750                       |  |
|                   | 滚珠丝杆外径 Ball Screw Ø                    | mm                        |  | Ø20                       |  |
| 性能<br>Performance | 联轴器 Coupling                           | mm                        |  | Ø14-Ø14/19                |  |
|                   | 原点及限位感应器 Origin & Limit Sensor         | mm                        |  | EE-SX911(NPN)             |  |
|                   | 外挂 Outside                             | mm                        |  | 750                       |  |

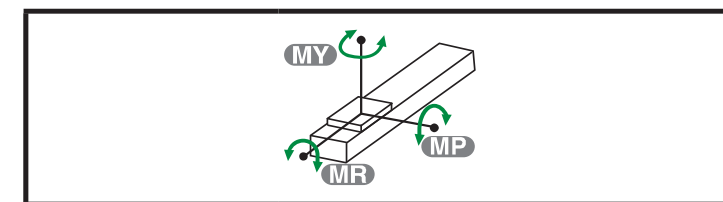
\*1 电机加速设定0.2秒。Acceleration and deceleration value is set 0.2 second.  
\*2 长行程时，会产生滚珠丝杆偏摆，需将速调降（线速度请参阅尺寸图下方表格）  
During in a long stroke, it causes ballscrew deflection, the speed must reduce. (Please refer to the linear velocity from the data sheet below the dimension graph.)  
\*3 有关传感器另外的选型，如有需求请洽询我司业务。  
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



| 水平安装<br>Horizontal Installation |      |      |      | 壁挂安装<br>Wall Installation |      |      |      | 垂直安装<br>Vertical Installation |      |      |  |
|---------------------------------|------|------|------|---------------------------|------|------|------|-------------------------------|------|------|--|
| 导程 5 Lead                       |      |      |      | 导程 5 Lead                 |      |      |      | 导程 5 Lead                     |      |      |  |
| 80kg                            | 3534 | 353  | 484  | 80kg                      | 484  | 353  | 3534 | 15kg                          | 2257 | 2257 |  |
|                                 | 2736 | 273  | 380  |                           | 380  | 273  | 2736 |                               | 1539 | 1539 |  |
|                                 | 1727 | 172  | 236  |                           | 236  | 172  | 1727 |                               | 677  | 677  |  |
| 导程 10 Lead                      |      |      |      | 导程 10 Lead                |      |      |      | 导程 10 Lead                    |      |      |  |
| 60kg                            | 2204 | 436  | 561  | 60kg                      | 561  | 436  | 2204 | 10kg                          | 2937 | 2937 |  |
|                                 | 1433 | 279  | 361  |                           | 361  | 279  | 1433 |                               | 1472 | 1472 |  |
|                                 | 1025 | 195  | 250  |                           | 250  | 195  | 1025 |                               | 733  | 733  |  |
| 导程 20 Lead                      |      |      |      | 导程 20 Lead                |      |      |      | 导程 20 Lead                    |      |      |  |
| 20kg                            | 2541 | 1016 | 1095 | 20kg                      | 1095 | 1016 | 2541 | 5kg                           | 4123 | 4123 |  |
|                                 | 1663 | 657  | 710  |                           | 710  | 657  | 1663 |                               | 2066 | 2066 |  |
|                                 | 808  | 314  | 340  |                           | 340  | 314  | 808  |                               | 1034 | 1034 |  |
| 导程 40 Lead                      |      |      |      | 导程 40 Lead                |      |      |      | 导程 40 Lead                    |      |      |  |
| 15kg                            | 1345 | 851  | 754  | 15kg                      | 754  | 851  | 1345 | 3kg                           | 4218 | 4218 |  |
|                                 | 985  | 615  | 546  |                           | 546  | 615  | 985  |                               | 2530 | 2530 |  |
|                                 | 555  | 343  | 307  |                           | 307  | 343  | 555  |                               | 1053 | 1053 |  |

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



(单位 Unit : N.m)

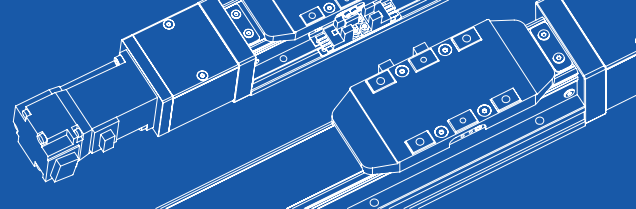
|    |      |
|----|------|
| MY | 1113 |
| MP | 1113 |
| MR | 2191 |

\*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.  
\*侧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.

# RGH17 单轴 /1-axis

轨道内嵌  
Rail Built-in

滚珠丝杆驱动  
Ball Screw Drive



RTEC 诺波特科

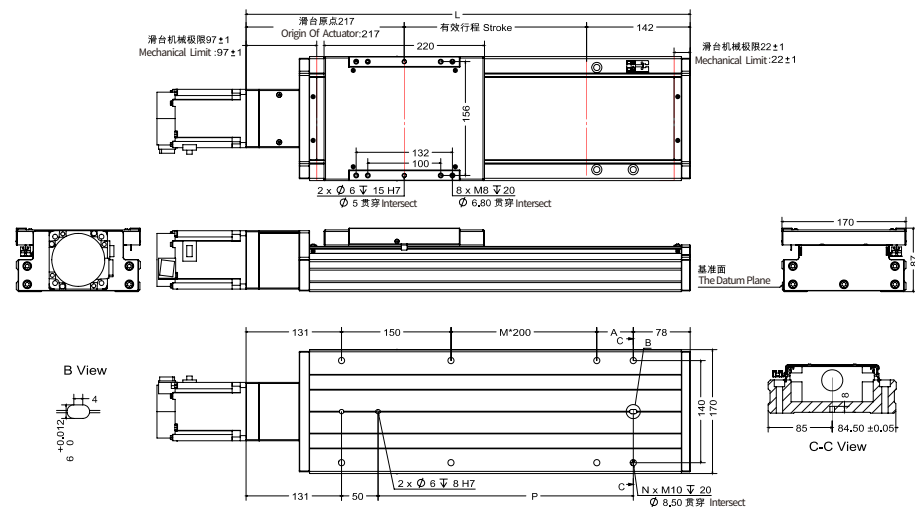
应用列  
Application

一轴/滚珠丝杆样式  
RGH series

无丝杆/滚珠丝杆样式  
RGC

## E 电机外露 Motor Exposed

单位 Unit: mm

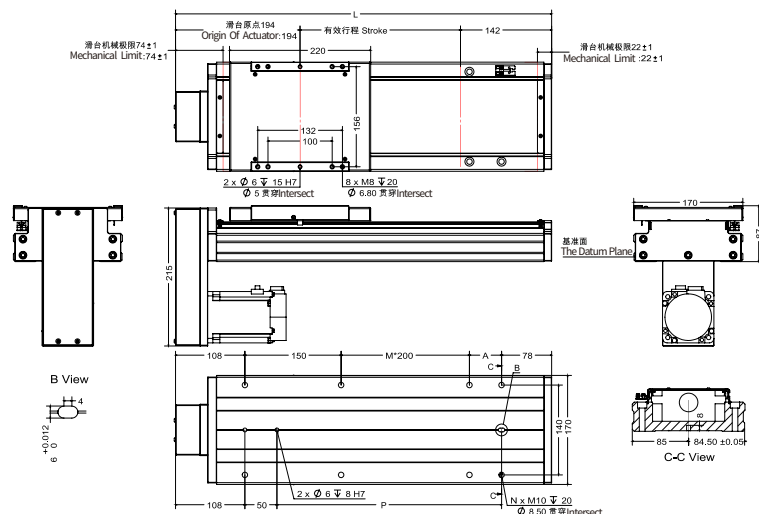


| 有效行程 Stroke                 | 50 <sup>±2</sup> | 100  | 150  | 200  | 250  | 300  | 350  | 400  | 450  | 500  | 550  | 600  | 650  | 700  | 750  | 800  | 850  | 900  | 950  | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 |
|-----------------------------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 | 1170 | 1220 | 1270 |
| L                           | 409              | 459  | 509  | 559  | 609  | 659  | 709  | 759  | 809  | 859  | 909  | 959  | 1009 | 1059 | 1109 | 1159 | 1209 | 1259 | 1309 | 1359 | 1409 | 1459 | 1509 | 1559 | 1609 |
| A                           | 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 |
| M                           | 0                | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| N                           | 6                | 6    | 6    | 6    | 8    | 8    | 8    | 8    | 10   | 10   | 10   | 10   | 12   | 12   | 12   | 12   | 14   | 14   | 14   | 14   | 16   | 16   | 16   | 16   | 18   |
| P                           | 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 |
| KG                          | 10.7             | 11.5 | 12.3 | 13.1 | 13.9 | 14.7 | 15.5 | 16.3 | 17.1 | 17.9 | 18.7 | 19.5 | 20.3 | 21.1 | 21.9 | 22.7 | 23.5 | 24.3 | 25.1 | 25.9 | 26.7 | 27.5 | 28.3 | 29.1 | 29.9 |
| 线速度<br>Linear Speed<br>mm/s | 导程 Lead 5        | 300  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 267  | 250  | 225  | 225  | 200  | 200  | 175  | 150  | 150  |
|                             | 导程 Lead 10       | 600  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 553  | 500  | 450  | 450  | 400  | 400  | 350  | 300  | 300  |
|                             | 导程 Lead 20       | 1200 |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1067 | 1000 | 900  | 900  | 800  | 800  | 700  | 600  | 600  |
|                             | 导程 Lead 40       | 2400 |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2133 | 2000 | 1800 | 1800 | 1600 | 1600 | 1400 | 1200 | 1200 |

※ 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.

## M 电机下折 Motor Bottom Side

单位 Unit: mm

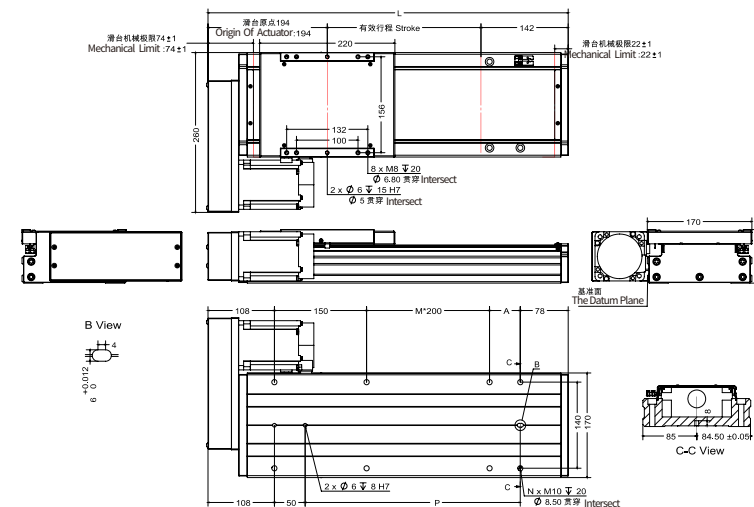


| 有效行程 Stroke                 | 50 <sup>±2</sup> | 100  | 150 | 200  | 250  | 300  | 350  | 400 | 450  | 500  | 550  | 600  | 650 | 700  | 750  | 800  | 850  | 900  | 950  | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 |
|-----------------------------|------------------|------|-----|------|------|------|------|-----|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 | 1170 | 1220 | 1270 |
| L                           | 386              | 436  | 486 | 536  | 586  | 636  | 686  | 736 | 786  | 836  | 886  | 936  | 986 | 1036 | 1086 | 1136 | 1186 | 1236 | 1286 | 1336 | 1386 | 1436 | 1486 | 1536 | 1586 |
| A                           | 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 |
| M                           | 0                | 0    | 0   | 0    | 0    | 0    | 0    | 0   | 0    | 0    | 0    | 0    | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| N                           | 6                | 6    | 6   | 6    | 8    | 8    | 8    | 8   | 10   | 10   | 10   | 10   | 12  | 12   | 12   | 12   | 14   | 14   | 14   | 14   | 16   | 16   | 16   | 16   | 18   |
| P                           | 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 |
| KG                          | 11.4             | 12.2 | 13  | 13.8 | 14.6 | 15.4 | 16.2 | 17  | 17.8 | 18.6 | 19.4 | 20.2 | 21  | 21.8 | 22.6 | 23.4 | 24.2 | 25   | 25.8 | 26.6 | 27.4 | 28.2 | 29   | 29.8 | 30.6 |
| 线速度<br>Linear Speed<br>mm/s | 导程 Lead 5        | 300  |     |      |      |      |      |     |      |      |      |      |     |      |      |      | 267  | 250  | 225  | 225  | 200  | 200  | 175  | 150  | 150  |
|                             | 导程 Lead 10       | 600  |     |      |      |      |      |     |      |      |      |      |     |      |      |      | 553  | 500  | 450  | 450  | 400  | 400  | 350  | 300  | 300  |
|                             | 导程 Lead 20       | 1200 |     |      |      |      |      |     |      |      |      |      |     |      |      |      | 1067 | 1000 | 900  | 900  | 800  | 800  | 700  | 600  | 600  |
|                             | 导程 Lead 40       | 2400 |     |      |      |      |      |     |      |      |      |      |     |      |      |      | 2133 | 2000 | 1800 | 1800 | 1600 | 1600 | 1400 | 1200 | 1200 |

※ 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.

## L 电机左折 Motor Left Side

单位 Unit: mm

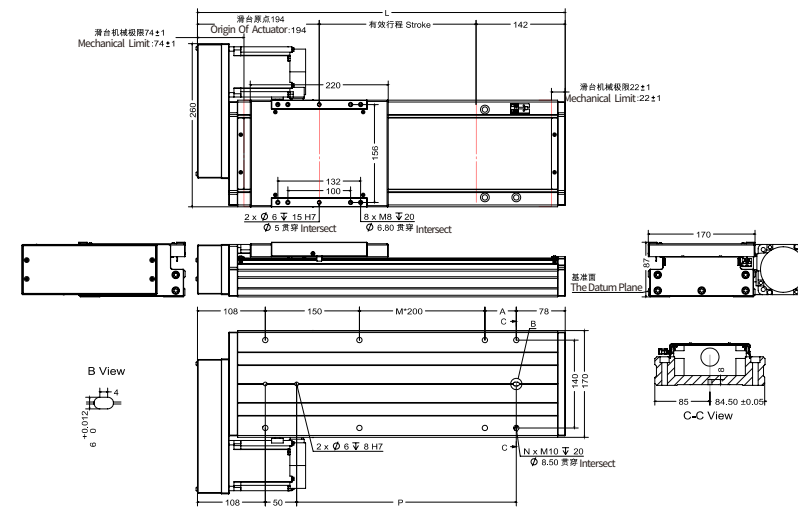


| 有效行程 Stroke                 | 50 <sup>±2</sup> | 100  | 150 | 200  | 250  | 300  | 350  | 400 | 450  | 500  | 550  | 600  | 650 | 700  | 750  | 800  | 850  | 900  | 950  | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 |
|-----------------------------|------------------|------|-----|------|------|------|------|-----|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 | 1170 | 1220 | 1270 |
| L                           | 386              | 436  | 486 | 536  | 586  | 636  | 686  | 736 | 786  | 836  | 886  | 936  | 986 | 1036 | 1086 | 1136 | 1186 | 1236 | 1286 | 1336 | 1386 | 1436 | 1486 | 1536 | 1586 |
| A                           | 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 |
| M                           | 0                | 0    | 0   | 0    | 0    | 0    | 0    | 0   | 0    | 0    | 0    | 0    | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| N                           | 6                | 6    | 6   | 6    | 8    | 8    | 8    | 8   | 10   | 10   | 10   | 10   | 12  | 12   | 12   | 12   | 14   | 14   | 14   | 14   | 16   | 16   | 16   | 16   | 18   |
| P                           | 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 |
| KG                          | 11.4             | 12.2 | 13  | 13.8 | 14.6 | 15.4 | 16.2 | 17  | 17.8 | 18.6 | 19.4 | 20.2 | 21  | 21.8 | 22.6 | 23.4 | 24.2 | 25   | 25.8 | 26.6 | 27.4 | 28.2 | 29   | 29.8 | 30.6 |
| 线速度<br>Linear Speed<br>mm/s | 导程 Lead 5        | 300  |     |      |      |      |      |     |      |      |      |      |     |      |      |      | 267  | 250  | 225  | 225  | 200  | 200  | 175  | 150  | 150  |
|                             | 导程 Lead 10       | 600  |     |      |      |      |      |     |      |      |      |      |     |      |      |      | 553  | 500  | 450  | 450  | 400  | 400  | 350  | 300  | 300  |
|                             | 导程 Lead 20       | 1200 |     |      |      |      |      |     |      |      |      |      |     |      |      |      | 1067 | 1000 | 900  | 900  | 800  | 800  | 700  | 600  | 600  |
|                             | 导程 Lead 40       | 2400 |     |      |      |      |      |     |      |      |      |      |     |      |      |      | 2133 | 2000 | 1800 | 1800 | 1600 | 1600 | 1400 | 1200 | 1200 |

※ 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.

## 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 | 1150 | 1200 | 1250 |
|-----------------------------|------------------|------|-----|------|------|------|------|-----|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 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 | 1170 | 1220 | 1270 |
| L                           | 386              | 436  | 486 | 536  | 586  | 636  | 686  | 736 | 786  | 836  | 886  | 936  | 986 | 1036 | 1086 | 1136 | 1186 | 1236 | 1286 | 1336 | 1386 | 1436 | 1486 | 1536 | 1586 |
| A                           | 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 |
| M                           | 0                | 0    | 0   | 0    | 0    | 0    | 0    | 0   | 0    | 0    | 0    | 0    | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| N                           | 6                | 6    | 6   | 6    | 8    | 8    | 8    | 8   | 10   | 10   | 10   | 10   | 12  | 12   | 12   | 12   | 14   | 14   | 14   | 14   | 16   | 16   | 16   | 16   | 18   |
| P                           | 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 |
| KG                          | 11.4             | 12.2 | 13  | 13.8 | 14.6 | 15.4 | 16.2 | 17  | 17.8 | 18.6 | 19.4 | 20.2 | 21  | 21.8 | 22.6 | 23.4 | 24.2 | 25   | 25.8 | 26.6 | 27.4 | 28.2 | 29   | 29.8 | 30.6 |
| 线速度<br>Linear Speed<br>mm/s | 导程 Lead 5        | 300  |     |      |      |      |      |     |      |      |      |      |     |      |      |      | 267  | 250  | 225  | 225  | 200  | 200  | 175  | 150  | 150  |
|                             | 导程 Lead 10       | 600  |     |      |      |      |      |     |      |      |      |      |     |      |      |      | 553  | 500  | 450  | 450  | 400  | 400  | 350  | 300  | 300  |
|                             | 导程 Lead 20       | 1200 |     |      |      |      |      |     |      |      |      |      |     |      |      |      | 1067 | 1000 | 900  | 900  | 800  | 800  | 700  | 600  | 600  |
|                             | 导程 Lead 40       | 2400 |     |      |      |      |      |     |      |      |      |      |     |      |      |      | 2133 | 2000 | 1800 | 1800 | 1600 | 1600 | 1400 | 1200 | 1200 |

※ 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.