



# Precision And Speed Provider

## 精度与速度提供者



专业精密机械-专注传动领域发展

厂家工程协助选型 机械专家在线解答  
非标定制 标准品现货



**東莞市廣勝精密機械有限公司**  
DONGGUAN GUANGSHENG PRECISION MACHINERY CO., LTD





# 锐意进取 追求卓越

Forge Ahead, The Pursuit Of Excellence



## Brief 企业简介 Introduction

东莞广胜是一家致力于产品设计、研发、制造的技术开发型公司。东莞广胜秉承把先进的技术、优良的品质、精湛的工艺，实用精密的传动产品输送给客户的理念，致力于打造成一家“专业、诚信、高端”的企业，为客户提供高品质的产品及优良的服务。

### 转造级滚珠螺杆车间：

采用先进的冷轧机床、精密研磨的轧制模具加工产品。一体化自动在线热处理回火技术，多步骤跟踪测量保证产品精度，多道研磨技术保证产品的精度、粗糙度和顺畅度。

### 精密研磨级滚珠螺杆车间：

材料经标准化的热处理工艺，热处理后多道粗、精研磨，激光测量仪检查精度，确保产品高精度，高寿命。

### 高精螺母车间：

四轴高精度加工零件，标准化热处理工艺，领先工艺研磨滚道，确保螺母的高精度和极佳的粗糙度，高速化塑件设计，确保产品的高顺畅度和寿命。

### 直线导轨车间：

全程质量把控，可靠的表面热处理工艺，多次精密研磨，多形位跳动检测。

### 单轴机器人车间：

结合导轨和高精螺母工艺，结合精密加工件，组装而成，具有顺畅性好，精度高，刚性好等特点。

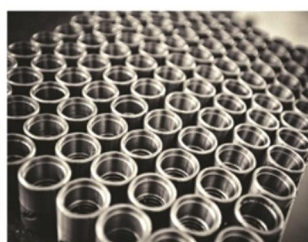
专业制造精工产品，致力提供品质服务，东莞广胜，你优秀的合作伙伴！

# 德国先进加工工艺

German advanced processing technology

## 合作共赢

互相扶持 克服挑战 团结合作 共创未来



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## 滚珠螺杆 Ball screw



精度设计 Precision design

导程精度 Lead precision

东莞广胜精密滚珠螺杆(C3-C5级)的导程精度，以JIS规格为基准，并由四个特性项目(E,e,e300,e2π)加以规定。各特性之定义与容许值如图1及表1-3所示。一般用滚珠螺杆C7，C10之累积导程误差，则仅在以在螺杆部之有效长度内任取300mm的误差容许值和表3之e300加以规定，各为0.05mm及0.21mm。

The lead precision of Fulikang precision ball screws (C3-C5) is based on JIS specifications and specified with four features (E, e, e300 and e2π). The definition and admissible value of each feature are shown in Fig. 1 and Tabs. 1-3. Generally speaking, the cumulative lead errors of ball screws C7 and C10 are used, the admissible value of the error of any 300mm taken from the effective length of screw and e300 in Tab. 3, which are 0.05mm and 0.21mm respectively, are used to definite the precision.

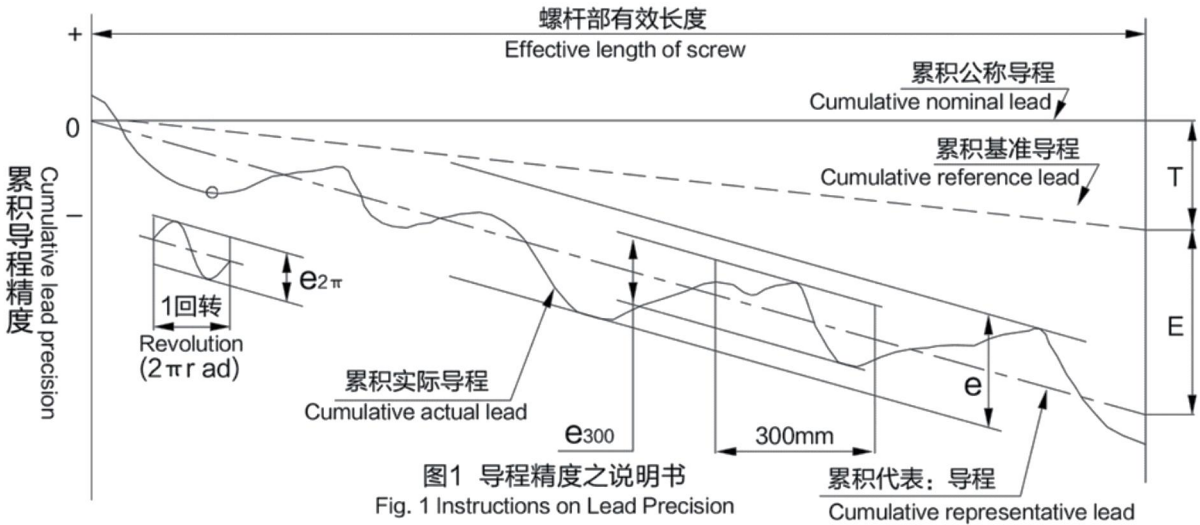


图1 导程精度之说明书  
Fig. 1 Instructions on Lead Precision

表1 导程精度的用语  
Tab. 1 Terminology of Lead Precision

| 用 语<br>Term                                          | 记 号<br>Symbol    | 意 思<br>Meaning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 容许值<br>Admissible Value                      |
|------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| 累积导程之目标值<br>Target value of cumulative lead          | T                | 在有效螺纹范围内，累积基准导程减累积公称导程的差谓之，亦即考虑运转时之热膨胀、弹性变形等因素。而事先将累积公称导程加以补正，并据此制作螺杆。其值依实验或经验而定。<br>The cumulative reference lead minus the cumulative nominal lead, within the effective range of thread, that is, to take thermal expansion, elastic deformation and other factors during operation into account. The cumulative nominal lead is corrected in advance and a screw is made thereby. The value of T depends on experiment or experience.                                                                                                                                                                                             |                                              |
| 累积实际导程<br>Cumulative actual lead                     |                  | 实际测定之累积导程。<br>The measured cumulative lead                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                              |
| 累积代表导程<br>Cumulative representative lead             |                  | 代表累积实际导程倾向的直线，由累积实际导程曲线及最小二乘法或类似方法，所求得之直线。<br>A line that represents the tendency of cumulative actual lead, which is obtained with cumulative actual lead, least square method, or similar methods.                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |
| 累积代表导程之误差<br>Error of cumulative representative lead | E                | 累积代表导程减累积基准导程的值。<br>The cumulative representative lead minus the cumulative reference lead                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 表2<br>Tab. 2                                 |
| 变动<br>Variation                                      | e<br>e300<br>e2π | 与累积代表导程平行划出的2直线所夹之累积实际导程之最大幅宽由下列3项加以规定。<br>在有效螺纹长度范围内的最大幅宽。<br>在有效螺纹长度范围内任取300mm的最大幅宽。<br>螺杆轴转动1圈的范围，螺帽对应于任意的回转角的轴方向移动量的实测值与基准值的差的最大幅宽。<br>The maximum width of the cumulative actual lead between 2 lines drawn parallel to the cumulative representative lead<br>Defined with the following three terms:<br>The maximum width within the effective thread length<br>The maximum width of any 300mm taken from the effective thread length<br>The maximum width of the difference between the measured value and reference value of the axial movement of nut related to any angle of revolution within 1 revolution of screw shaft. | 表2<br>Tab. 2<br>表3<br>Tab. 3<br>表3<br>Tab. 3 |

表2 累积代表导程误差( $\pm E$ )与变动( $e$ )之容许值(JIS B 1192)单位:  $\mu m$ 

Tab. 2 The Admissible Value of the Variation (E) of the Error of Cumulative Representative Lead (E) (JIS B 1192)

Unit:  $\mu m$ 

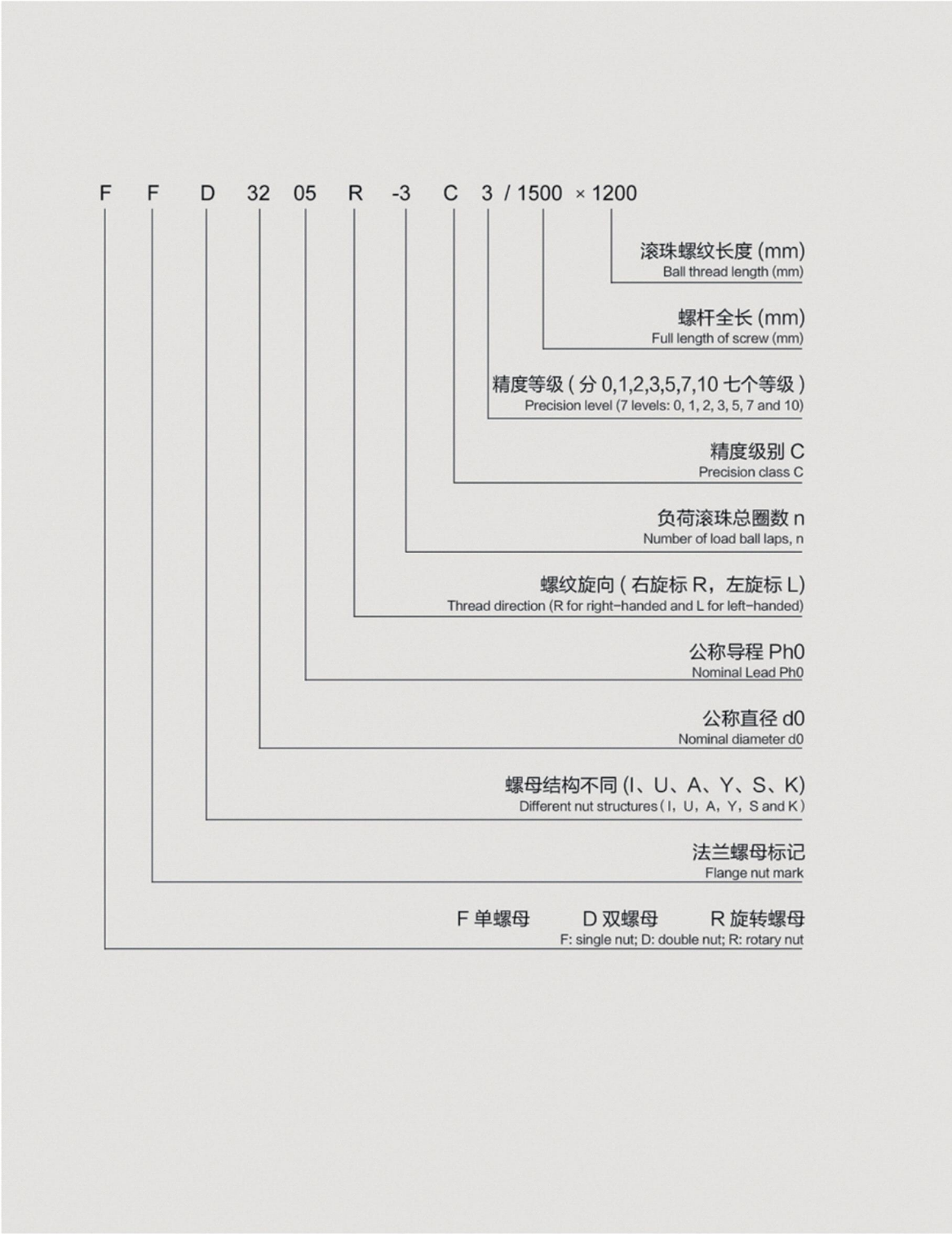
| 精度等级<br>Precision Level            |             |            | C0  |     | C1  |    | C2 |    | C3  |    | C5  |     | C7        | C10        |
|------------------------------------|-------------|------------|-----|-----|-----|----|----|----|-----|----|-----|-----|-----------|------------|
|                                    | 以上<br>Above | 以下<br>Blow | ±E  | e   | ±E  | e  | ±E | e  | ±E  | e  | ±E  | e   | e         | e          |
| 有效<br>螺<br>纹<br>长<br>度<br><br>(mm) |             | 100        | 3   | 3   | 3.5 | 5  | 5  | 7  | 8   | 8  | 18  | 18  | ±50/300mm | ±210/300mm |
|                                    | 100         | 200        | 3.5 | 3   | 4.5 | 5  | 7  | 7  | 10  | 8  | 20  | 18  |           |            |
|                                    | 200         | 315        | 4   | 3.5 | 6   | 5  | 8  | 7  | 12  | 8  | 23  | 18  |           |            |
|                                    | 315         | 400        | 5   | 3.5 | 7   | 5  | 9  | 7  | 13  | 10 | 25  | 20  |           |            |
|                                    | 400         | 500        | 6   | 4   | 8   | 5  | 10 | 7  | 15  | 10 | 27  | 20  |           |            |
|                                    | 500         | 630        | 6   | 4   | 9   | 6  | 11 | 8  | 16  | 12 | 30  | 23  |           |            |
|                                    | 630         | 800        | 7   | 5   | 10  | 7  | 13 | 9  | 18  | 13 | 35  | 25  |           |            |
|                                    | 800         | 1000       | 8   | 6   | 11  | 8  | 15 | 10 | 21  | 15 | 40  | 27  |           |            |
|                                    | 1000        | 1250       | 9   | 6   | 13  | 9  | 18 | 11 | 24  | 16 | 46  | 30  |           |            |
|                                    | 1250        | 1600       | 11  | 7   | 15  | 10 | 21 | 13 | 29  | 18 | 54  | 35  |           |            |
|                                    | 1600        | 2000       |     |     | 18  | 11 | 25 | 15 | 35  | 21 | 65  | 40  |           |            |
|                                    | 2000        | 2500       |     |     | 22  | 13 | 30 | 18 | 41  | 24 | 77  | 46  |           |            |
|                                    | 2500        | 3150       |     |     | 26  | 15 | 36 | 21 | 50  | 29 | 93  | 54  |           |            |
|                                    | 3150        | 4000       |     |     | 30  | 18 | 44 | 25 | 60  | 35 | 115 | 65  |           |            |
|                                    | 4000        | 5000       |     |     |     |    | 52 | 30 | 72  | 41 | 140 | 77  |           |            |
|                                    | 5000        | 6300       |     |     |     |    | 65 | 36 | 90  | 50 | 170 | 93  |           |            |
|                                    | 6300        | 8000       |     |     |     |    |    |    | 110 | 60 | 210 | 115 |           |            |
|                                    | 8000        | 10000      |     |     |     |    |    |    |     |    | 260 | 140 |           |            |
|                                    | 10000       | 12500      |     |     |     |    |    |    |     |    | 320 | 170 |           |            |

表3 对螺纹部长度300mm之变动( $e_{300}$ )与摇摆( $e_{2\pi}$ )之容许值(JIS B 1192)单位:  $\mu m$ Tab. 3 The Admissible Value of the Variation ( $e_{300}$ ) and Swing ( $e_{2\pi}$ ) of the Thread Length of 300mm (JIS B 1192)Unit:  $\mu m$ 

| 精度等级<br>Precision Level | C0  | C1 | C2 | C3 | C5 | C7 | C10 |
|-------------------------|-----|----|----|----|----|----|-----|
| $e_{300}$               | 3.5 | 5  | 7  | 8  | 18 | 50 | 210 |
| $e_{2\pi}$              | 2.5 | 4  | 5  | 6  | 8  |    |     |

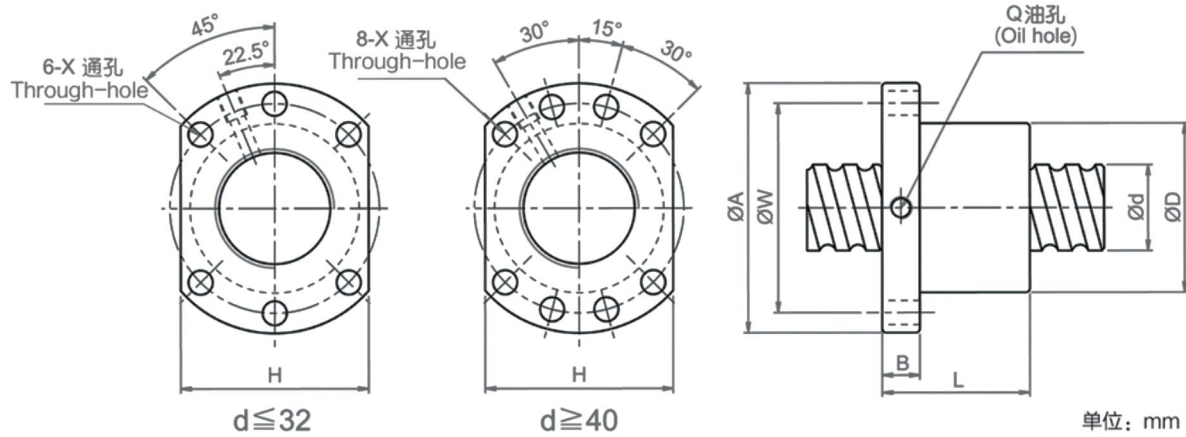
精密滚珠螺杆副 Precision Ball Screw Pair

滚珠螺杆副编号规则 Numbering Rule of Ball Screw Pair



# FFNU系列规格尺寸表

Specifications and Dimensions of FFNU Series



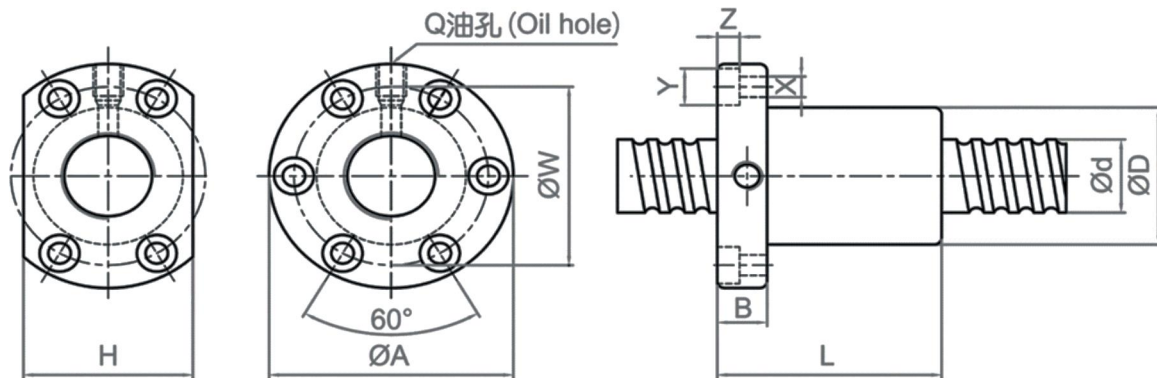
单位: mm

Unit: mm

| 公称型号<br>Nominal Model | 轴径<br>d<br>Shaft<br>Diameter<br>(d) | 导程<br>l<br>Lead<br>(l) | 球径<br>Da<br>Ball<br>Diameter<br>(Da) | 螺帽尺寸<br>Nut Size |     |    |     |     |     |      |    |     | 动额定<br>负荷 Ca<br>Rated<br>Dynamic<br>Load (Ca) | 静额定<br>负荷 Coa<br>Rated<br>Static Load<br>(Coa) | 刚性<br>kgf/μm<br>Rigidity<br>(kgf/<br>μm) |
|-----------------------|-------------------------------------|------------------------|--------------------------------------|------------------|-----|----|-----|-----|-----|------|----|-----|-----------------------------------------------|------------------------------------------------|------------------------------------------|
|                       |                                     |                        |                                      | D                | A   | B  | L   | W   | H   | X    | Q  | n   |                                               |                                                |                                          |
| FFNU01605-4           | 16                                  | 5                      | 3.175                                | 28               | 48  | 10 | 45  | 38  | 40  | 5.5  | M6 | 1x4 | 1380                                          | 3052                                           | 32                                       |
| FFNU01610-3           |                                     | 10                     | 3.175                                | 28               | 48  | 10 | 57  | 38  | 40  | 5.5  | M6 | 1x3 | 1103                                          | 2401                                           | 26                                       |
| FFNU02005-4           | 20                                  | 5                      | 3.175                                | 36               | 58  | 10 | 51  | 47  | 44  | 6.6  | M6 | 1x4 | 1551                                          | 3875                                           | 39                                       |
| FFNU02505-4           | 25                                  | 5                      | 3.175                                | 40               | 62  | 10 | 51  | 51  | 48  | 6.6  | M6 | 1x4 | 1724                                          | 4904                                           | 45                                       |
| FFNU02510-4           |                                     | 10                     | 4.762                                | 40               | 62  | 12 | 80  | 51  | 48  | 6.6  | M6 | 1x4 | 2954                                          | 7295                                           | 50                                       |
| FFNU03205-4           | 32                                  | 5                      | 3.175                                | 50               | 80  | 12 | 52  | 65  | 62  | 9    | M6 | 1x4 | 1922                                          | 6343                                           | 54                                       |
| FFNU03210-4           |                                     | 10                     | 6.35                                 | 50               | 80  | 12 | 85  | 65  | 62  | 9    | M6 | 1x4 | 4805                                          | 12208                                          | 61                                       |
| FFNU04005-4           | 40                                  | 5                      | 3.175                                | 63               | 93  | 14 | 55  | 78  | 70  | 9    | M8 | 1x4 | 2110                                          | 7988                                           | 63                                       |
| FFNU04010-4           |                                     | 10                     | 6.35                                 | 63               | 93  | 14 | 88  | 78  | 70  | 9    | M8 | 1x4 | 5399                                          | 15500                                          | 73                                       |
| FFNU05010-4           | 50                                  | 10                     | 6.35                                 | 75               | 110 | 16 | 88  | 93  | 85  | 11   | M8 | 1x4 | 6004                                          | 19614                                          | 85                                       |
| FFNU06310-4           | 63                                  | 10                     | 6.35                                 | 90               | 125 | 18 | 93  | 108 | 95  | 11   | M8 | 1x4 | 6719                                          | 25358                                          | 99                                       |
| FFNU08010-4           | 80                                  | 10                     | 6.35                                 | 105              | 145 | 20 | 93  | 125 | 110 | 13.5 | M8 | 1x4 | 7346                                          | 31953                                          | 109                                      |
| FFNU01204-4           | 12                                  | 4                      | 2.5                                  | 24               | 40  | 10 | 40  | 32  | 30  | 4.5  |    | 1x4 | 902                                           | 1884                                           | 26                                       |
| FFNU01604-4           | 16                                  | 4                      | 2.381                                | 28               | 48  | 10 | 40  | 38  | 40  | 5.5  | M6 | 1x4 | 973                                           | 2406                                           | 32                                       |
| FFNU02004-4           | 20                                  | 4                      | 2.381                                | 36               | 58  | 10 | 42  | 47  | 44  | 6.6  | M6 | 1x4 | 1066                                          | 2987                                           | 38                                       |
| FFNU02504-4           | 25                                  | 4                      | 2.381                                | 40               | 62  | 10 | 42  | 51  | 48  | 6.6  | M6 | 1x4 | 1180                                          | 3795                                           | 43                                       |
| FFNU02506-4           |                                     | 6                      | 3.969                                | 40               | 62  | 10 | 54  | 51  | 48  | 6.6  | M6 | 1x4 | 2318                                          | 6057                                           | 47                                       |
| FFNU02508-4           |                                     | 8                      | 4.762                                | 40               | 62  | 10 | 63  | 51  | 48  | 6.6  | M6 | 1x4 | 2963                                          | 7313                                           | 49                                       |
| FFNU03204-4           | 32                                  | 4                      | 2.381                                | 50               | 80  | 12 | 44  | 65  | 62  | 9    | M6 | 1x4 | 1296                                          | 4838                                           | 51                                       |
| FFNU03206-4           |                                     | 6                      | 3.969                                | 50               | 80  | 12 | 57  | 65  | 62  | 9    | M6 | 1x4 | 2632                                          | 7979                                           | 57                                       |
| FFNU03208-4           |                                     | 8                      | 4.762                                | 50               | 80  | 12 | 65  | 65  | 62  | 9    | M6 | 1x4 | 3387                                          | 9622                                           | 60                                       |
| FFNU04006-4           | 40                                  | 6                      | 3.969                                | 63               | 93  | 14 | 60  | 78  | 70  | 9    | M6 | 1x4 | 2873                                          | 9913                                           | 66                                       |
| FFNU04008-4           |                                     | 8                      | 4.762                                | 63               | 93  | 14 | 67  | 78  | 70  | 9    | M6 | 1x4 | 3712                                          | 11947                                          | 70                                       |
| FFNU05020-4           | 50                                  | 20                     | 7.144                                | 75               | 110 | 16 | 138 | 93  | 85  | 11   | M8 | 1x4 | 7142                                          | 22588                                          | 94                                       |
| FFNU06320-4           | 63                                  | 20                     | 9.525                                | 95               | 135 | 20 | 149 | 115 | 100 | 13.5 | M8 | 1x4 | 11444                                         | 36653                                          | 112                                      |
| FFNU08020-4           | 80                                  | 20                     | 9.525                                | 125              | 165 | 25 | 154 | 145 | 130 | 13.5 | M8 | 1x4 | 12911                                         | 47747                                          | 138                                      |
| FFNU10020-4           | 100                                 | 20                     | 9.525                                | 150              | 202 | 30 | 180 | 170 | 155 | 17.5 | M8 | 1x4 | 14303                                         | 60698                                          | 162                                      |

# FFNI系列规格尺寸表

Specifications and Dimensions of FFNI Series

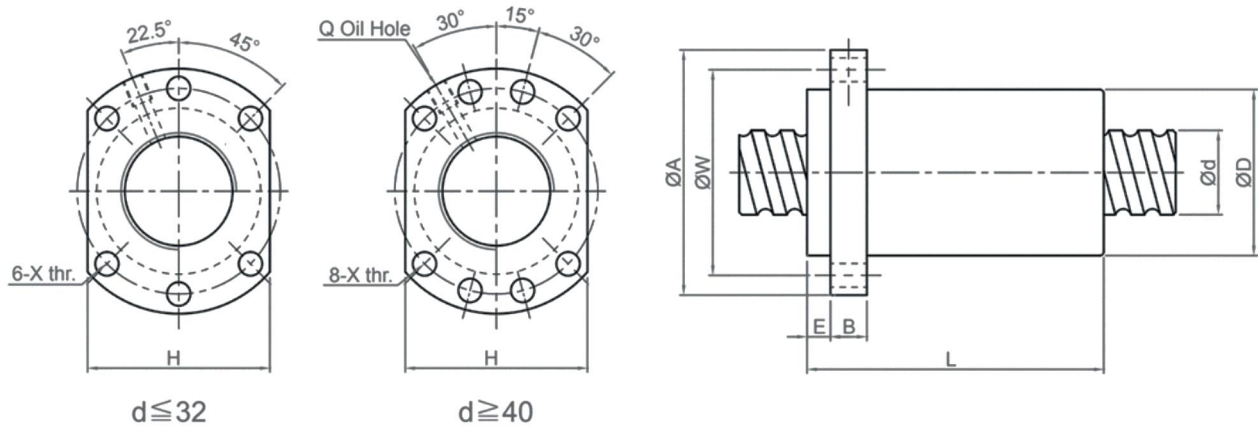


单位: mm  
Unit: mm

| 公称型号<br>Nominal Model | 轴径<br>d<br>Shaft<br>Diameter<br>(d) | 导程<br>l<br>Lead<br>(l) | 球径<br>Da<br>Ball<br>Diameter<br>(Da) | 螺帽尺寸<br>Nut Size |     |    |    |     |     |     |      |     |    |     | 动额定<br>负荷 Ca<br>Rated<br>Dynamic<br>Load (Ca) | 静额定<br>负荷 Coa<br>Rated<br>Static Load<br>(Coa) | 刚性<br>kgf/μm<br>Rigidity<br>(kgf/<br>μm) |
|-----------------------|-------------------------------------|------------------------|--------------------------------------|------------------|-----|----|----|-----|-----|-----|------|-----|----|-----|-----------------------------------------------|------------------------------------------------|------------------------------------------|
|                       |                                     |                        |                                      | D                | A   | B  | L  | W   | H   | X   | Y    | Z   | Q  | n   |                                               |                                                |                                          |
| FFNI01605-4           | 16                                  | 5                      | 3.175                                | 30               | 49  | 10 | 45 | 39  | 34  | 4.5 | 8    | 4.5 | M6 | 1x4 | 1380                                          | 3052                                           | 33                                       |
| FFNI01610-3           |                                     | 10                     | 3.175                                | 34               | 58  | 10 | 57 | 45  | 34  | 5.5 | 9.5  | 5.5 | M6 | 1x3 | 1103                                          | 2401                                           | 27                                       |
| FFNI02005-4           | 20                                  | 5                      | 3.175                                | 34               | 57  | 11 | 51 | 45  | 40  | 5.5 | 9.5  | 5.5 | M6 | 1x4 | 1551                                          | 3875                                           | 39                                       |
| FFNI02505-4           |                                     | 5                      | 3.175                                | 40               | 63  | 11 | 51 | 51  | 46  | 5.5 | 9.5  | 5.5 | M8 | 1x4 | 1724                                          | 4904                                           | 45                                       |
| FFNI02510-4           | 25                                  | 10                     | 4.762                                | 46               | 72  | 12 | 80 | 58  | 52  | 6.5 | 11   | 6.5 | M6 | 1x4 | 2954                                          | 7295                                           | 51                                       |
| FFNI03205-4           |                                     | 5                      | 3.175                                | 46               | 72  | 12 | 52 | 58  | 52  | 6.5 | 11   | 6.5 | M8 | 1x4 | 1922                                          | 6343                                           | 52                                       |
| FFNI03210-4           | 32                                  | 10                     | 6.35                                 | 54               | 88  | 15 | 85 | 70  | 62  | 9   | 14   | 8.5 | M8 | 1x4 | 4805                                          | 12208                                          | 62                                       |
| FFNI04005-4           |                                     | 5                      | 3.175                                | 56               | 90  | 15 | 55 | 72  | 64  | 9   | 14   | 8.5 | M8 | 1x4 | 2110                                          | 7988                                           | 59                                       |
| FFNI04010-4           | 40                                  | 10                     | 6.35                                 | 62               | 104 | 18 | 88 | 82  | 70  | 11  | 17.5 | 11  | M8 | 1x4 | 5399                                          | 15500                                          | 72                                       |
| FFNI05010-4           |                                     | 10                     | 6.35                                 | 72               | 114 | 18 | 88 | 92  | 82  | 11  | 17.5 | 11  | M8 | 1x4 | 6004                                          | 19614                                          | 83                                       |
| FFNI06310-4           | 63                                  | 10                     | 6.35                                 | 85               | 131 | 22 | 93 | 107 | 95  | 14  | 20   | 13  | M8 | 1x4 | 6719                                          | 25358                                          | 95                                       |
| FFNI08010-4           |                                     | 10                     | 6.35                                 | 105              | 150 | 22 | 93 | 127 | 115 | 14  | 20   | 13  | M8 | 1x4 | 7346                                          | 31953                                          | 109                                      |
| FFNI01604-4           | 16                                  | 4                      | 2.381                                | 30               | 49  | 10 | 45 | 39  | 34  | 4.5 | 8    | 4.5 | M6 | 1x4 | 973                                           | 2406                                           | 32                                       |
| FFNI02004-4           |                                     | 4                      | 2.381                                | 34               | 57  | 11 | 46 | 45  | 40  | 5.5 | 9.5  | 5.5 | M6 | 1x4 | 1066                                          | 2987                                           | 37                                       |
| FFNI0205T-4           | 20                                  | 5.08                   | 3.175                                | 34               | 57  | 11 | 51 | 45  | 40  | 5.5 | 9.5  | 5.5 | M6 | 1x4 | 1550                                          | 3875                                           | 39                                       |
| FFNI02504-4           |                                     | 4                      | 2.381                                | 40               | 63  | 11 | 46 | 51  | 46  | 5.5 | 9.5  | 5.5 | M6 | 1x4 | 1180                                          | 3795                                           | 43                                       |
| FFNI0255T-4           | 25                                  | 5.08                   | 3.175                                | 40               | 63  | 11 | 51 | 51  | 46  | 5.5 | 9.5  | 5.5 | M8 | 1x4 | 1724                                          | 4904                                           | 45                                       |
| FFNI03204-4           |                                     | 4                      | 2.381                                | 46               | 72  | 12 | 47 | 58  | 52  | 6.5 | 11   | 6.5 | M6 | 1x4 | 1296                                          | 4838                                           | 49                                       |

# FFA系列规格尺寸表

Specifications and Dimensions of FFA Series



$d \leq 32$

$d \geq 40$

单位: mm  
Unit: mm

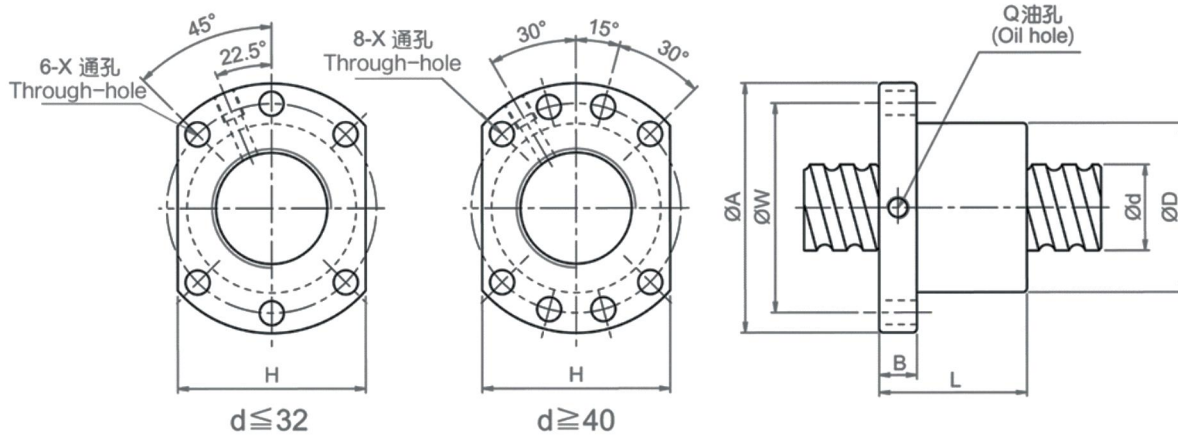
| 公称型号<br>Nominal Model | 轴<br>径<br>d | 导<br>程<br>I | 珠<br>径<br>Da | 螺帽尺寸 |     |      |    |     |    |    |     |    |       | 滚珠螺帽额定负荷 |          | 刚性<br>kgf/<br>$\mu$ m |
|-----------------------|-------------|-------------|--------------|------|-----|------|----|-----|----|----|-----|----|-------|----------|----------|-----------------------|
|                       |             |             |              | D    | A   | E    | B  | L   | W  | H  | X   | Q  | n     | Ca(kgf)  | Coa(kgf) |                       |
| ★ FFA1205-2.8         | 12          | 5           | 2.5          | 24   | 40  | 5    | 10 | 30  | 32 | 30 | 4.5 | -  | 2.8x1 | 661      | 1316     | 19                    |
| ★ FFA1210-2.8         |             | 10          | 2.5          | 24   | 40  | 5    | 10 | 42  | 32 | 30 | 4.5 | -  | 2.8x1 | 642      | 1287     | 19                    |
| ★ FFA1605-3.8         | 15          | 5           | 2.778        | 28   | 48  | 5    | 10 | 31  | 38 | 40 | 5.5 | M6 | 3.8x1 | 1112     | 2507     | 30                    |
| ★ FFA1610-2.8         |             | 10          | 2.778        | 28   | 48  | 5    | 10 | 42  | 38 | 40 | 5.5 | M6 | 2.8x1 | 839      | 1821     | 23                    |
| ★ FFA1616-1.8         |             | 16          | 2.778        | 28   | 48  | 5    | 10 | 43  | 38 | 40 | 5.5 | M6 | 1.8x1 | 552      | 1137     | 14                    |
| ★ FFA1616-2.8         |             | 16          | 2.778        | 28   | 48  | 5    | 10 | 59  | 38 | 40 | 5.5 | M6 | 2.8x1 | 808      | 1769     | 22                    |
| ★ FFA1620-1.8         | 20          | 20          | 2.778        | 28   | 48  | 5    | 10 | 50  | 38 | 40 | 5.5 | M6 | 1.8x1 | 554      | 1170     | 14                    |
| ★ FFA2005-3.8         |             | 5           | 3.175        | 36   | 58  | 7    | 10 | 33  | 47 | 44 | 6.6 | M6 | 3.8x1 | 1484     | 3681     | 37                    |
| ★ FFA2010-3.8         |             | 10          | 3.175        | 36   | 58  | 7    | 10 | 52  | 47 | 44 | 6.6 | M6 | 3.8x1 | 1516     | 3833     | 40                    |
| ★ FFA2020-1.8         |             | 20          | 3.175        | 36   | 58  | 7    | 10 | 52  | 47 | 44 | 6.6 | M6 | 1.8x1 | 764      | 1758     | 19                    |
| ★ FFA2020-2.8         | 25          | 20          | 3.175        | 36   | 58  | 7    | 10 | 72  | 47 | 44 | 6.6 | M6 | 2.8x1 | 1118     | 2734     | 29                    |
| ★ FFA2505-3.8         |             | 5           | 3.175        | 40   | 62  | 7    | 10 | 33  | 51 | 48 | 6.6 | M6 | 3.8x1 | 1650     | 4658     | 43                    |
| ★ FFA2510-3.8         |             | 10          | 3.175        | 40   | 62  | 7    | 12 | 52  | 51 | 48 | 6.6 | M6 | 3.8x1 | 1638     | 4633     | 45                    |
| ★ FFA2525-1.8         |             | 25          | 3.175        | 40   | 62  | 7    | 12 | 60  | 51 | 48 | 6.6 | M6 | 1.8x1 | 843      | 2199     | 22                    |
| ★ FFA2525-2.8         | 31          | 25          | 3.175        | 40   | 62  | 7    | 12 | 85  | 51 | 48 | 6.6 | M6 | 2.8x1 | 1232     | 3421     | 34                    |
| ★ FFA3205-3.8         |             | 5           | 3.175        | 50   | 80  | 9    | 12 | 35  | 65 | 62 | 9   | M6 | 3.8x1 | 1839     | 6026     | 51                    |
| ★ FFA3210-3.8         |             | 10          | 3.969        | 50   | 80  | 9    | 12 | 53  | 65 | 62 | 9   | M6 | 3.8x1 | 2460     | 7255     | 55                    |
| ★ FFA3220-2.8         |             | 20          | 3.969        | 50   | 80  | 9    | 12 | 72  | 65 | 62 | 9   | M6 | 2.8x1 | 1907     | 5482     | 43                    |
| ★ FFA3232-1.8         | 38          | 32          | 3.969        | 50   | 80  | 9    | 12 | 78  | 65 | 62 | 9   | M6 | 1.8x1 | 1257     | 3426     | 27                    |
| ★ FFA3232-2.8         |             | 32          | 3.969        | 50   | 80  | 9    | 12 | 110 | 65 | 62 | 9   | M6 | 2.8x1 | 1838     | 5329     | 42                    |
| ★ FFA4005-3.8         | 40          | 5           | 3.175        | 63   | 93  | 9    | 14 | 39  | 78 | 70 | 9   | M8 | 3.8x1 | 2018     | 7589     | 60                    |
| ★ FFA4010-3.8         |             | 10          | 6.35         | 63   | 93  | 9    | 14 | 57  | 78 | 70 | 9   | M8 | 3.8x1 | 5035     | 13943    | 67                    |
| ★ FFA4020-2.8         |             | 20          | 6.35         | 63   | 93  | 9    | 14 | 78  | 78 | 70 | 9   | M8 | 2.8x1 | 3959     | 10715    | 54                    |
| ★ FFA4040-1.8         |             | 40          | 6.35         | 63   | 93  | 9    | 14 | 96  | 78 | 70 | 9   | M8 | 1.8x1 | 2585     | 6648     | 34                    |
| ★ FFA4040-2.8         | 48          | 40          | 6.35         | 63   | 93  | 9    | 14 | 136 | 78 | 70 | 9   | M8 | 2.8x1 | 3780     | 10341    | 52                    |
| ● FFA5005-3.8         |             | 5           | 3.175        | 75   | 110 | 10.5 | 15 | 42  | 93 | 85 | 11  | M8 | 3.8x1 | 2207     | 9542     | 68                    |
| ● FFA5010-3.8         |             | 10          | 6.35         | 75   | 110 | 10.5 | 18 | 57  | 93 | 85 | 11  | M8 | 3.8x1 | 5638     | 17852    | 79                    |
| ● FFA5020-3.8         |             | 20          | 6.35         | 75   | 110 | 10.5 | 18 | 98  | 93 | 85 | 11  | M8 | 3.8x1 | 5749     | 18485    | 87                    |
| ● FFA5050-1.8         | 50          | 50          | 6.35         | 75   | 110 | 10.5 | 18 | 117 | 93 | 85 | 11  | M8 | 1.8x1 | 2946     | 8749     | 42                    |
| ● FFA5050-2.8         |             | 50          | 6.35         | 75   | 110 | 10.5 | 18 | 167 | 93 | 85 | 11  | M8 | 2.8x1 | 4308     | 13610    | 65                    |

备注: 有标注★记号者可制作滑台专用规范。

对于●型号有需求, 请问业务人员。

# FFU系列规格尺寸表

Specifications and Dimensions of FFU Series

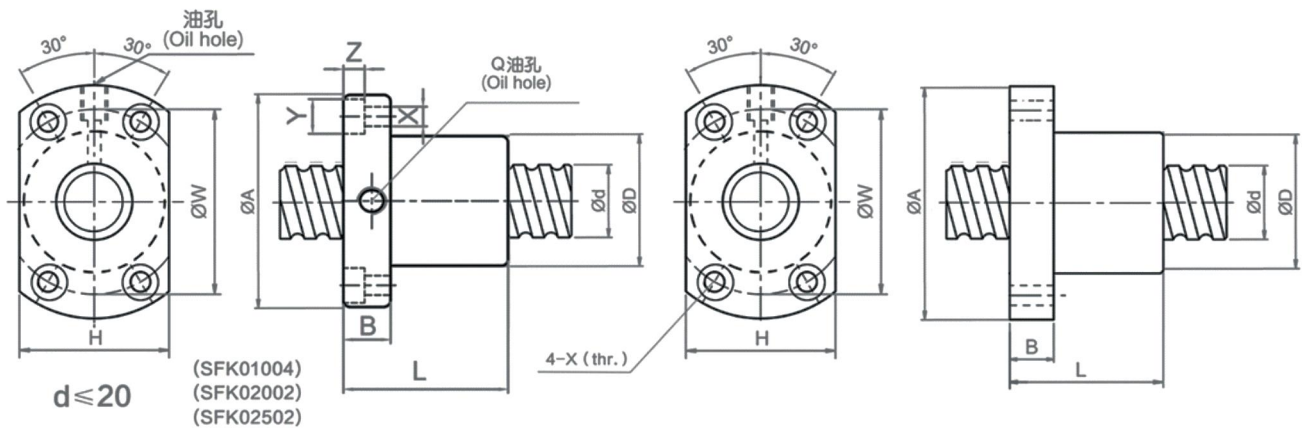


Unit: mm

| 公称型号<br>Nominal Model | 轴径<br>d<br>Shaft<br>Diameter<br>(d) | 导程<br>l<br>Lead<br>(l) | 珠径<br>Da<br>Ball<br>Diameter<br>(Da) | 螺帽尺寸<br>Nut Size |     |    |     |     |     |      |    |     | 动额定<br>负荷Ca<br>Rated<br>Dynamic<br>Load (Ca) | 静额定<br>负荷Coa<br>Rated<br>Static Load<br>(Coa) | 刚性<br>kgf/μm<br>Rigidity<br>(kgf/<br>μm) |
|-----------------------|-------------------------------------|------------------------|--------------------------------------|------------------|-----|----|-----|-----|-----|------|----|-----|----------------------------------------------|-----------------------------------------------|------------------------------------------|
|                       |                                     |                        |                                      | D                | A   | B  | L   | W   | H   | X    | Q  | n   |                                              |                                               |                                          |
| FFU01204-4            | 12                                  | 4                      | 2.5                                  | 24               | 40  | 10 | 40  | 32  | 30  | 4.5  |    | 1x4 | 902                                          | 1884                                          | 26                                       |
| FFU01604-4            | 16                                  | 4                      | 2.381                                | 28               | 48  | 10 | 40  | 38  | 40  | 5.5  | M6 | 1x4 | 973                                          | 2406                                          | 32                                       |
| FFU01605-4            |                                     | 5                      | 3.175                                | 28               | 48  | 10 | 50  | 38  | 40  | 5.5  | M6 | 1x4 | 1380                                         | 3052                                          | 32                                       |
| FFU01610-3            |                                     | 10                     | 3.175                                | 28               | 48  | 10 | 57  | 38  | 40  | 5.5  | M6 | 1x3 | 1103                                         | 2401                                          | 26                                       |
| FFU02004-4            | 20                                  | 4                      | 2.381                                | 36               | 58  | 10 | 42  | 47  | 44  | 6.6  | M6 | 1x4 | 1066                                         | 2987                                          | 38                                       |
| FFU02005-4            |                                     | 5                      | 3.175                                | 36               | 58  | 10 | 51  | 47  | 44  | 6.6  | M6 | 1x4 | 1551                                         | 3875                                          | 39                                       |
| FFU02504-4            | 25                                  | 4                      | 2.381                                | 40               | 62  | 10 | 42  | 51  | 48  | 6.6  | M6 | 1x4 | 1180                                         | 3795                                          | 43                                       |
| FFU02505-4            |                                     | 5                      | 3.175                                | 40               | 62  | 10 | 51  | 51  | 48  | 6.6  | M6 | 1x4 | 1724                                         | 4904                                          | 45                                       |
| FFU02510-4            |                                     | 10                     | 4.762                                | 40               | 62  | 12 | 85  | 51  | 48  | 6.6  | M6 | 1x4 | 2954                                         | 7295                                          | 50                                       |
| FFU03204-4            | 32                                  | 4                      | 2.381                                | 50               | 80  | 12 | 44  | 65  | 62  | 9    | M6 | 1x4 | 1296                                         | 4838                                          | 51                                       |
| FFU03205-4            |                                     | 5                      | 3.175                                | 50               | 80  | 12 | 52  | 65  | 62  | 9    | M6 | 1x4 | 1922                                         | 6343                                          | 54                                       |
| FFU03210-4            |                                     | 10                     | 6.35                                 | 50               | 80  | 12 | 90  | 65  | 62  | 9    | M6 | 1x4 | 4805                                         | 12208                                         | 61                                       |
| FFU04005-4            | 40                                  | 5                      | 3.175                                | 63               | 93  | 14 | 55  | 78  | 70  | 9    | M8 | 1x4 | 2110                                         | 7988                                          | 63                                       |
| FFU04010-4            |                                     | 10                     | 6.35                                 | 63               | 93  | 14 | 93  | 78  | 70  | 9    | M8 | 1x4 | 5399                                         | 15500                                         | 73                                       |
| FFU05010-4            | 50                                  | 10                     | 6.35                                 | 75               | 110 | 16 | 93  | 93  | 85  | 11   | M8 | 1x4 | 6004                                         | 19614                                         | 85                                       |
| FFU06310-4            | 63                                  | 10                     | 6.35                                 | 90               | 125 | 18 | 98  | 108 | 95  | 11   | M8 | 1x4 | 6719                                         | 25358                                         | 99                                       |
| FFU06320-4            |                                     | 20                     | 9.525                                | 95               | 135 | 20 | 149 | 115 | 100 | 13.5 | M8 | 1x4 | 11444                                        | 36653                                         | 112                                      |
| FFU08010-4            | 80                                  | 10                     | 6.35                                 | 105              | 145 | 20 | 98  | 125 | 110 | 13.5 | M8 | 1x4 | 7346                                         | 31953                                         | 109                                      |
| FFU08020-4            |                                     | 20                     | 9.525                                | 125              | 165 | 25 | 154 | 145 | 130 | 13.5 | M8 | 1x4 | 12911                                        | 47747                                         | 138                                      |

## FFK系列规格尺寸表

Specifications and Dimensions of FFK Series

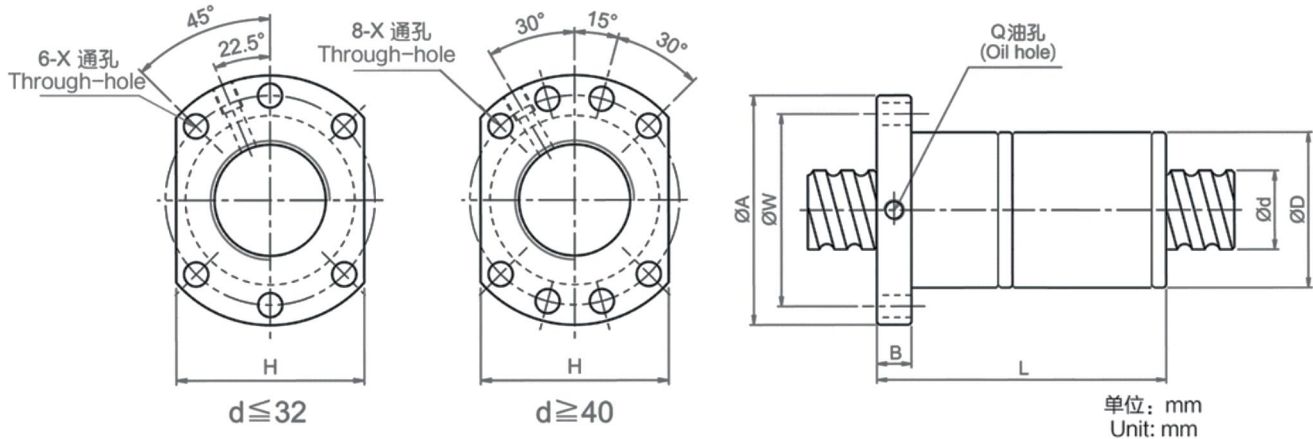


|                                      | 公称型号<br>Nominal Model | 轴径<br>d<br>Shaft<br>Diameter<br>(d) | 导程<br>l<br>Lead<br>(l) | 珠径<br>Da<br>Ball<br>Diameter<br>(Da) | Nut Size |    |     |    |    |     |      |   |     |     | 动额定<br>负荷Ca<br>Rated<br>Dynamic<br>Load (Ca) | 静额定<br>负荷Coa<br>Rated<br>Static Load<br>(Coa) | 刚性<br>kgf/μm<br>Rigidity<br>(kgf/<br>μm) |    |
|--------------------------------------|-----------------------|-------------------------------------|------------------------|--------------------------------------|----------|----|-----|----|----|-----|------|---|-----|-----|----------------------------------------------|-----------------------------------------------|------------------------------------------|----|
|                                      |                       |                                     |                        |                                      | D        | A  | B   | L  | W  | H   | X    | Y | Z   | Q   |                                              |                                               |                                          | n  |
| ★<br>★<br>★<br>★<br>★<br>★<br>★<br>★ | FFK00401              | 4                                   | 1                      | 0.8                                  | 10       | 20 | 3   | 12 | 15 | 14  | 2.9  | - | -   | -   | 1x2                                          | 64                                            | 97                                       | 5  |
|                                      | FFK00601              | 6                                   | 1                      | 0.8                                  | 12       | 24 | 3.5 | 15 | 18 | 16  | 3.4  | - | -   | -   | 1x3                                          | 111                                           | 224                                      | 9  |
|                                      | FFK00801              | 8                                   | 1                      | 0.8                                  | 14       | 27 | 4   | 16 | 21 | 18  | 3.4  | - | -   | -   | 1x4                                          | 161                                           | 403                                      | 14 |
|                                      | FFK00802              |                                     | 2                      | 1.2                                  | 14       | 27 | 4   | 16 | 21 | 18  | 3.4  | - | -   | -   | 1x3                                          | 222                                           | 458                                      | 13 |
|                                      | FFK0082.5             |                                     | 2.5                    | 1.2                                  | 16       | 29 | 4   | 26 | 23 | 20  | 3.4  | - | -   | -   | 1x3                                          | 221                                           | 457                                      | 13 |
|                                      | FFK01002              | 10                                  | 2                      | 1.2                                  | 18       | 35 | 5   | 28 | 27 | 22  | 4.5  | - | -   | -   | 1x3                                          | 243                                           | 569                                      | 15 |
|                                      | FFK01004              |                                     | 4                      | 2                                    | 26       | 46 | 10  | 34 | 36 | 28  | 4.5  | 8 | 4.5 | M6  | 1x3                                          | 468                                           | 905                                      | 17 |
|                                      | FFK01202              | 12                                  | 2                      | 1.2                                  | 20       | 37 | 5   | 28 | 29 | 24  | 4.5  | - | -   | -   | 1x4                                          | 334                                           | 906                                      | 22 |
|                                      | FFK01402              | 14                                  | 2                      | 1.2                                  | 21       | 40 | 6   | 23 | 31 | 26  | 5.5  | - | -   | -   | 1x4                                          | 354                                           | 1053                                     | 24 |
|                                      | FFK01602              | 16                                  | 2                      | 1.2                                  | 25       | 43 | 10  | 40 | 35 | 29  | 5.5  | - | -   | M6  | 1x4                                          | 373                                           | 1200                                     | 26 |
| FFK02002                             | 20                    | 2                                   | 1.2                    | 50                                   | 80       | 15 | 55  | 65 | 68 | 6.5 | 10.5 | 6 | M6  | 1x6 | 581                                          | 2284                                          | 48                                       |    |
| FFK02502                             | 25                    | 2                                   | 1.2                    | 50                                   | 80       | 13 | 43  | 65 | 68 | 6.5 | 10.5 | 6 | M6  | 1x5 | 540                                          | 2381                                          | 46                                       |    |

| 公称型号<br>Nominal Model | 轴径<br>d<br>Shaft<br>Diameter<br>(d) | 导程<br>l<br>Lead<br>(l) | 珠径<br>Da<br>Ball<br>Diameter<br>(Da) | 螺帽尺寸<br>Nut Size |    |   |    |    |    |     |   |   |   | 动额定<br>负荷Ca<br>Rated<br>Dynamic<br>Load (Ca) | 静额定<br>负荷Coa<br>Rated<br>Static Load<br>(Coa) | 刚性<br>kgf/μm<br>Rigidity<br>(kgf/<br>μm) |    |
|-----------------------|-------------------------------------|------------------------|--------------------------------------|------------------|----|---|----|----|----|-----|---|---|---|----------------------------------------------|-----------------------------------------------|------------------------------------------|----|
|                       |                                     |                        |                                      | D                | A  | B | L  | W  | H  | X   | Y | Z | Q |                                              |                                               |                                          | n  |
| XSUR01204T3D-02       | 12                                  | 4                      | 2.5                                  | 24               | 40 | 6 | 28 | 32 | 25 | 3.5 | - | - | - | 1x3                                          | 704                                           | 1413                                     | -  |
| XSUR01205T3D-00       |                                     | 5                      | 2.5                                  | 22               | 37 | 8 | 39 | 29 | 24 | 4.5 | - | - | - | 1x3                                          | 702                                           | 1409                                     | 17 |

# DFU系列规格尺寸表

Specifications and Dimensions of DFU Series

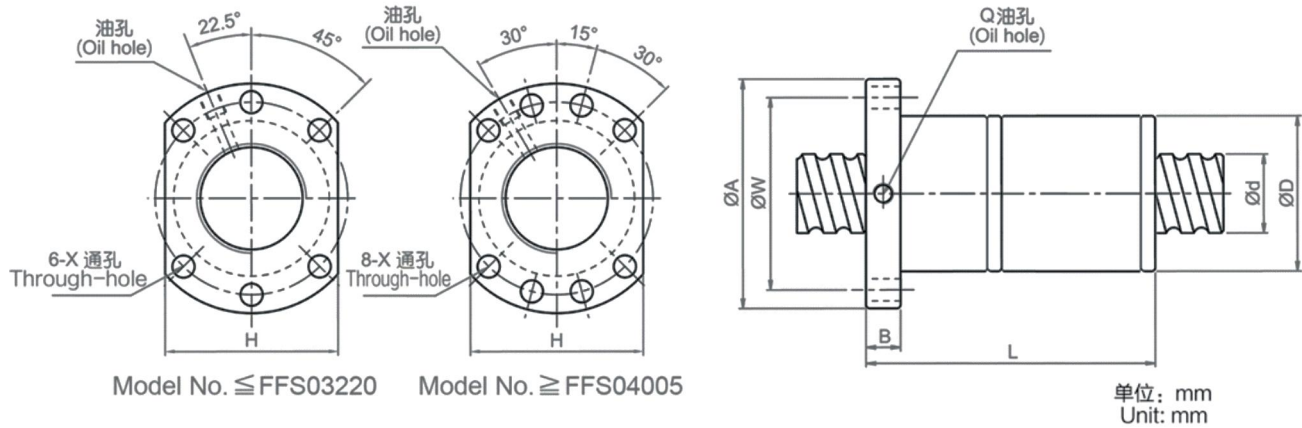


|   | 公称型号<br>Nominal Model | 轴径<br>d<br>Shaft<br>Diameter<br>(d) | 导程<br>l<br>Lead<br>(l) | 球径<br>Da<br>Ball<br>Diameter<br>(Da) | 螺帽尺寸<br>Nut Size |     |     |     |     |     |      |      | 动额定<br>负荷Ca<br>Rated<br>Dynamic<br>Load (Ca) | 静额定<br>负荷Coa<br>Rated<br>Static Load<br>(Coa) | 刚性<br>kgf/μm<br>Rigidity<br>(kgf/<br>μm) |       |
|---|-----------------------|-------------------------------------|------------------------|--------------------------------------|------------------|-----|-----|-----|-----|-----|------|------|----------------------------------------------|-----------------------------------------------|------------------------------------------|-------|
|   |                       |                                     |                        |                                      | D                | A   | B   | L   | W   | H   | X    | Q    |                                              |                                               |                                          | n     |
| ★ | DFU01604-4            | 16                                  | 4                      | 2.381                                | 28               | 48  | 10  | 80  | 38  | 40  | 5.5  | M6   | 1x4                                          | 973                                           | 2406                                     | 43    |
| ★ | DFU01605-4            |                                     | 5                      | 3.175                                | 28               | 48  | 10  | 100 | 38  | 40  | 5.5  | M6   | 1x4                                          | 1380                                          | 3052                                     | 44    |
| ★ | DFU01610-3            |                                     | 10                     | 3.175                                | 28               | 48  | 10  | 118 | 38  | 40  | 5.5  | M6   | 1x3                                          | 1103                                          | 2401                                     | 35    |
| ★ | DFU02004-4            | 20                                  | 4                      | 2.381                                | 36               | 58  | 10  | 80  | 47  | 44  | 6.6  | M6   | 1x4                                          | 1066                                          | 2987                                     | 51    |
| ★ | DFU02005-4            |                                     | 5                      | 3.175                                | 36               | 58  | 10  | 101 | 47  | 44  | 6.6  | M6   | 1x4                                          | 1551                                          | 3875                                     | 53    |
| ★ | DFU02504-4            | 25                                  | 4                      | 2.381                                | 40               | 62  | 10  | 80  | 51  | 48  | 6.6  | M6   | 1x4                                          | 1180                                          | 3795                                     | 60    |
|   | DFU02505-4            |                                     | 5                      | 3.175                                | 40               | 62  | 10  | 101 | 51  | 48  | 6.6  | M6   | 1x4                                          | 1724                                          | 4904                                     | 62    |
|   | DFU02506-4            |                                     | 6                      | 3.969                                | 40               | 62  | 10  | 105 | 51  | 48  | 6.6  | M6   | 1x4                                          | 2318                                          | 6057                                     | 64    |
| ★ | DFU02508-4            |                                     | 8                      | 4.762                                | 40               | 62  | 10  | 120 | 51  | 48  | 6.6  | M6   | 1x4                                          | 2963                                          | 7313                                     | 67    |
| ★ | DFU02510-4            | 10                                  | 4.762                  | 40                                   | 62               | 12  | 145 | 51  | 48  | 6.6 | M6   | 1x4  | 2954                                         | 7295                                          | 67                                       |       |
| ★ | DFU03204-4            | 32                                  | 4                      | 2.381                                | 50               | 80  | 12  | 80  | 65  | 62  | 9    | M6   | 1x4                                          | 1296                                          | 4838                                     | 71    |
|   | DFU03205-4            |                                     | 5                      | 3.175                                | 50               | 80  | 12  | 102 | 65  | 62  | 9    | M6   | 1x4                                          | 1922                                          | 6343                                     | 74    |
|   | DFU03206-4            |                                     | 6                      | 3.969                                | 50               | 80  | 12  | 105 | 65  | 62  | 9    | M6   | 1x4                                          | 2632                                          | 7979                                     | 78    |
| ★ | DFU03208-4            |                                     | 8                      | 4.762                                | 50               | 80  | 12  | 122 | 65  | 62  | 9    | M6   | 1x4                                          | 3387                                          | 9622                                     | 82    |
| ★ | DFU03210-4            | 10                                  | 6.35                   | 50                                   | 80               | 12  | 162 | 65  | 62  | 9   | M6   | 1x4  | 4805                                         | 12208                                         | 82                                       |       |
| ★ | DFU04005-4            | 40                                  | 5                      | 3.175                                | 63               | 93  | 14  | 105 | 78  | 70  | 9    | M8   | 1x4                                          | 2110                                          | 7988                                     | 87    |
|   | DFU04006-4            |                                     | 6                      | 3.969                                | 63               | 93  | 14  | 108 | 78  | 70  | 9    | M6   | 1x4                                          | 2873                                          | 9913                                     | 91    |
|   | DFU04008-4            |                                     | 8                      | 4.762                                | 63               | 93  | 14  | 132 | 78  | 70  | 9    | M6   | 1x4                                          | 3712                                          | 11947                                    | 96    |
| ★ | DFU04010-4            |                                     | 10                     | 6.35                                 | 63               | 93  | 14  | 165 | 78  | 70  | 9    | M8   | 1x4                                          | 5399                                          | 15500                                    | 99    |
| ★ | DFU05010-4            | 50                                  | 10                     | 6.35                                 | 75               | 110 | 16  | 171 | 93  | 85  | 11   | M8   | 1x4                                          | 6004                                          | 19614                                    | 117   |
|   | DFU05020-4            |                                     | 20                     | 7.144                                | 75               | 110 | 16  | 280 | 93  | 85  | 11   | M8   | 1x4                                          | 7142                                          | 22588                                    | 126   |
|   | ★                     | DFU06310-4                          | 63                     | 10                                   | 6.35             | 90  | 125 | 18  | 182 | 108 | 95   | 11   | M8                                           | 1x4                                           | 6719                                     | 25358 |
|   | DFU06320-4            | 20                                  |                        | 9.525                                | 95               | 135 | 20  | 290 | 115 | 100 | 13.5 | M8   | 1x4                                          | 11444                                         | 36653                                    | 152   |
|   | DFU08010-4            | 80                                  | 10                     | 6.35                                 | 105              | 145 | 20  | 182 | 125 | 110 | 13.5 | M8   | 1x4                                          | 7346                                          | 31953                                    | 156   |
|   | DFU08020-4            |                                     | 20                     | 9.525                                | 125              | 165 | 25  | 295 | 145 | 130 | 13.5 | M8   | 1x4                                          | 12911                                         | 47747                                    | 187   |
|   |                       | DFU10020-4                          | 100                    | 20                                   | 9.525            | 150 | 202 | 30  | 340 | 170 | 155  | 17.5 | M8                                           | 1x4                                           | 14303                                    | 60698 |

备注: 有标注★记者可制作左螺纹。双螺帽下单前请询问业务人员。

## DFA系列规格尺寸表

Specifications and Dimensions of DFA Series

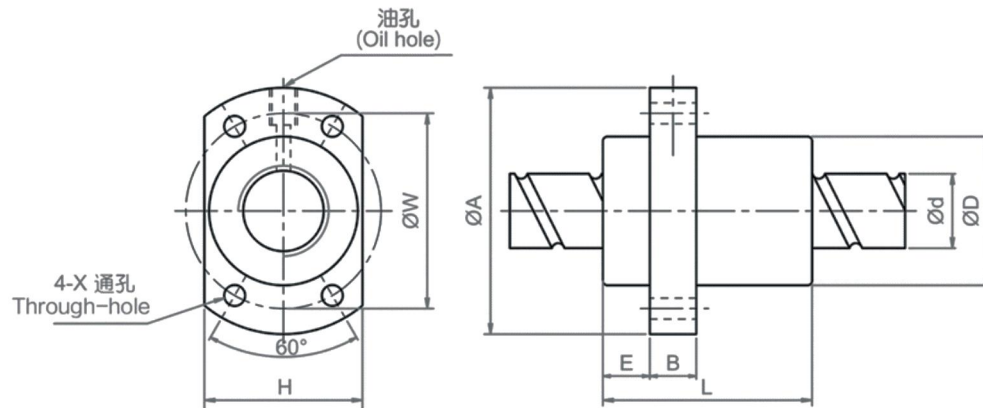


| 公称型号<br>Nominal Model | 轴径<br>d<br>Shaft<br>Diameter<br>(d) | 导程<br>l<br>Lead<br>(l) | 球径<br>Da<br>Ball<br>Diameter<br>(Da) | 螺帽尺寸<br>Nut Size |     |    |     |    |    |     |    |       | 动额定<br>负荷Ca<br>Rated<br>Dynamic<br>Load (Ca) | 静额定<br>负荷Coa<br>Rated<br>Static Load<br>(Coa) | 刚性<br>kgf/μm<br>Rigidity<br>(kgf/<br>μm) |
|-----------------------|-------------------------------------|------------------------|--------------------------------------|------------------|-----|----|-----|----|----|-----|----|-------|----------------------------------------------|-----------------------------------------------|------------------------------------------|
|                       |                                     |                        |                                      | D                | A   | B  | L   | W  | H  | X   | Q  | n     |                                              |                                               |                                          |
| DFA01605-3.8          | 15                                  | 5                      | 2.778                                | 28               | 48  | 10 | 73  | 38 | 40 | 5.5 | M6 | 3.8x1 | 1112                                         | 2507                                          | 41                                       |
| DFA01610-2.8          |                                     | 10                     | 2.778                                | 28               | 48  | 10 | 97  | 38 | 40 | 5.5 | M6 | 2.8x1 | 839                                          | 1821                                          | 31                                       |
| DFA02005-3.8          | 20                                  | 5                      | 3.175                                | 36               | 58  | 10 | 75  | 47 | 44 | 6.6 | M6 | 3.8x1 | 1484                                         | 3681                                          | 50                                       |
| DFA02010-3.8          |                                     | 10                     | 3.175                                | 36               | 58  | 10 | 120 | 47 | 44 | 6.6 | M6 | 3.8x1 | 1516                                         | 3833                                          | 53                                       |
| DFA02505-3.8          | 25                                  | 5                      | 3.175                                | 40               | 62  | 10 | 75  | 51 | 48 | 6.6 | M6 | 3.8x1 | 1650                                         | 4658                                          | 59                                       |
| DFA02510-3.8          |                                     | 10                     | 3.175                                | 40               | 62  | 12 | 122 | 51 | 48 | 6.6 | M6 | 3.8x1 | 1638                                         | 4633                                          | 61                                       |
| DFA03205-3.8          | 32                                  | 5                      | 3.175                                | 50               | 80  | 12 | 82  | 65 | 62 | 9   | M6 | 3.8x1 | 1839                                         | 6026                                          | 71                                       |
| DFA03210-3.8          | 31                                  | 10                     | 3.969                                | 50               | 80  | 13 | 122 | 65 | 62 | 9   | M6 | 3.8x1 | 2460                                         | 7255                                          | 75                                       |
| DFA03220-2.8          |                                     | 20                     | 3.969                                | 50               | 80  | 12 | 160 | 65 | 62 | 9   | M6 | 2.8x1 | 1907                                         | 5482                                          | 58                                       |
| DFA04005-3.8          | 40                                  | 5                      | 3.175                                | 63               | 93  | 15 | 85  | 78 | 70 | 9   | M8 | 3.8x1 | 2018                                         | 7589                                          | 83                                       |
| DFA04010-3.8          | 38                                  | 10                     | 6.35                                 | 63               | 93  | 14 | 123 | 78 | 70 | 9   | M8 | 3.8x1 | 5035                                         | 13943                                         | 91                                       |
| DFA04020-2.8          |                                     | 20                     | 6.35                                 | 63               | 93  | 14 | 162 | 78 | 70 | 9   | M8 | 2.8x1 | 3959                                         | 10715                                         | 73                                       |
| DFA05005-3.8          | 50                                  | 5                      | 3.175                                | 75               | 110 | 15 | 85  | 93 | 85 | 11  | M8 | 3.8x1 | 2207                                         | 9542                                          | 96                                       |
| DFA05010-3.8          | 48                                  | 10                     | 6.35                                 | 75               | 110 | 18 | 138 | 93 | 85 | 11  | M8 | 3.8x1 | 5638                                         | 17852                                         | 109                                      |
| DFA05020-3.8          |                                     | 20                     | 6.35                                 | 75               | 110 | 18 | 218 | 93 | 85 | 11  | M8 | 3.8x1 | 5749                                         | 18485                                         | 116                                      |

备注: 双螺帽下单前请问广胜业务人员。

## FFY系列规格尺寸表

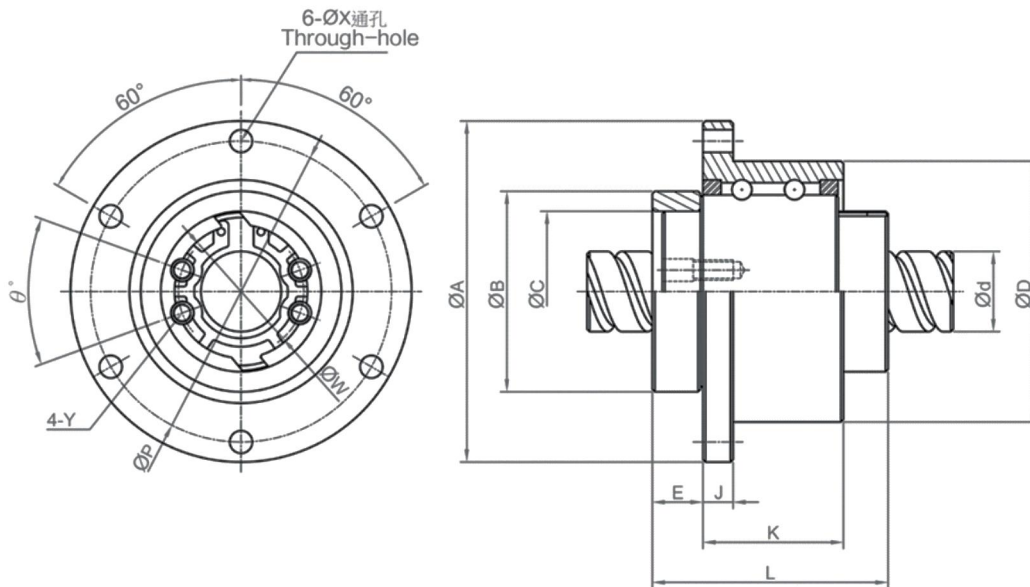
Specifications and Dimensions of FFY Series

单位: mm  
Unit: mm

| 一倍导程<br>公称型号<br>Onefold Lead<br>Nominal Model | 轴径<br>d<br>Shaft<br>Diameter<br>(d) | 导程<br>l<br>Lead<br>(l) | 球径<br>Da<br>Ball<br>Diameter<br>(Da) | 螺帽尺寸<br>Nut Size |     |      |    |      |     |    |     |    |       | 动额定<br>负荷 Ca<br>Rated<br>Dynamic<br>Load (Ca) | 静额定<br>负荷 Coa<br>Rated<br>Static Load<br>(Coa) | 刚性<br>kgf/μm<br>Rigidity<br>(kgf/<br>μm) |
|-----------------------------------------------|-------------------------------------|------------------------|--------------------------------------|------------------|-----|------|----|------|-----|----|-----|----|-------|-----------------------------------------------|------------------------------------------------|------------------------------------------|
|                                               |                                     |                        |                                      | D                | A   | E    | B  | L    | W   | H  | X   | Q  | n     |                                               |                                                |                                          |
| FFY01616-3.6                                  | 16                                  | 16                     | 2.778                                | 32               | 53  | 10.1 | 10 | 45   | 42  | 34 | 4.5 | M6 | 1.8x2 | 1073                                          | 2551                                           | 31                                       |
| FFY02020-3.6                                  | 20                                  | 20                     | 3.175                                | 39               | 62  | 13   | 10 | 52   | 50  | 41 | 5.5 | M6 | 1.8x2 | 1387                                          | 3515                                           | 37                                       |
| FFY02525-3.6                                  | 25                                  | 25                     | 3.969                                | 47               | 74  | 15   | 12 | 64   | 60  | 49 | 6.6 | M6 | 1.8x2 | 2074                                          | 5494                                           | 45                                       |
| FFY03232-3.6                                  | 32                                  | 32                     | 4.762                                | 58               | 92  | 17   | 12 | 78   | 74  | 60 | 9   | M6 | 1.8x2 | 3021                                          | 8690                                           | 58                                       |
| FFY04040-3.6                                  | 40                                  | 40                     | 6.35                                 | 73               | 114 | 19.5 | 15 | 99   | 93  | 75 | 11  | M6 | 1.8x2 | 4831                                          | 14062                                          | 70                                       |
| FFY05050-3.6                                  | 50                                  | 50                     | 7.938                                | 90               | 135 | 21.5 | 20 | 117  | 112 | 92 | 14  | M6 | 1.8x2 | 7220                                          | 21974                                          | 86                                       |
| 二倍导程<br>公称型号<br>Twofold Lead<br>Nominal Model | 轴径<br>d<br>Shaft<br>Diameter<br>(d) | 导程<br>l<br>Lead<br>(l) | 球径<br>Da<br>Ball<br>Diameter<br>(Da) | 螺帽尺寸<br>Nut Size |     |      |    |      |     |    |     |    |       | 动额定<br>负荷 Ca<br>Rated<br>Dynamic<br>Load (Ca) | 静额定<br>负荷 Coa<br>Rated<br>Static Load<br>(Coa) | 刚性<br>kgf/μm<br>Rigidity<br>(kgf/<br>μm) |
|                                               |                                     |                        |                                      | D                | A   | E    | B  | L    | W   | H  | X   | Q  | n     |                                               |                                                |                                          |
| FFY01632-1.6                                  | 16                                  | 32                     | 2.778                                | 32               | 53  | 10.1 | 10 | 42.5 | 42  | 34 | 4.5 | M6 | 0.8x2 | 493                                           | 1116                                           | 11                                       |
| FFY02040-1.6                                  | 20                                  | 40                     | 3.175                                | 39               | 62  | 13   | 10 | 48   | 50  | 41 | 5.5 | M6 | 0.8x2 | 653                                           | 1597                                           | 15                                       |
| FFY02550-1.6                                  | 25                                  | 50                     | 3.969                                | 47               | 74  | 15   | 12 | 58   | 60  | 49 | 6.6 | M6 | 0.8x2 | 976                                           | 2495                                           | 19                                       |
| FFY03264-1.6                                  | 32                                  | 64                     | 4.762                                | 58               | 92  | 17   | 12 | 71   | 74  | 60 | 9   | M6 | 0.8x2 | 1374                                          | 3571                                           | 22                                       |
| FFY04080-1.6                                  | 40                                  | 80                     | 6.35                                 | 73               | 114 | 19.5 | 15 | 90   | 93  | 75 | 11  | M6 | 0.8x2 | 2273                                          | 6387                                           | 29                                       |
| FFY050100-1.6                                 | 50                                  | 100                    | 7.938                                | 90               | 135 | 21.5 | 20 | 111  | 112 | 92 | 14  | M6 | 0.8x2 | 3398                                          | 9980                                           | 35                                       |

# RFY螺帽旋转式滚珠螺杆规格尺寸表

Specifications and Dimensions of RFY Ball Screw with Rotary Nut

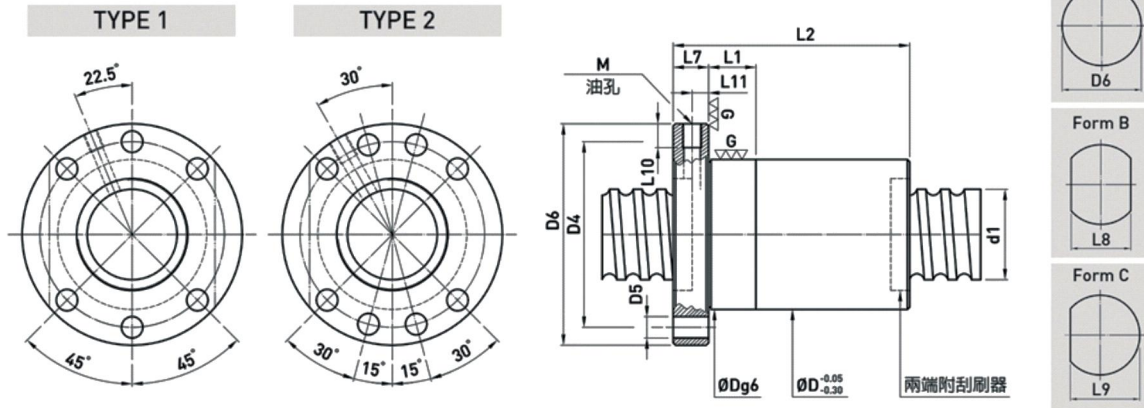


单位: mm  
Unit: mm

| 公称型号<br>Nominal Model | 轴<br>径<br>d              | 导<br>程<br>l | 珠<br>径<br>Da             | 珠<br>圈<br>数               | 支撑轴承额定负荷<br>Rated Load of Steady Bearing |              | 螺帽尺寸<br>Nut Size                   |     |                                    |      |                                   |      |    |      |     |     |    |     |    |             | 滚珠螺帽<br>额定负荷<br>Rated Load of Ball Nut |  |
|-----------------------|--------------------------|-------------|--------------------------|---------------------------|------------------------------------------|--------------|------------------------------------|-----|------------------------------------|------|-----------------------------------|------|----|------|-----|-----|----|-----|----|-------------|----------------------------------------|--|
|                       | Shaft<br>Diameter<br>(d) | Lead<br>(l) | Ball<br>Diameter<br>(Da) | Number<br>of Ball<br>Laps | Ca<br>(kgf)                              | Coa<br>(kgf) | D                                  | A   | B                                  | L    | C                                 | E    | J  | K    | P   | X   | W  | Y   | θ  | Ca<br>(kgf) | Coa<br>(kgf)                           |  |
| RFY01616-1.8          | 16                       | 16          | 2.778                    | 1.8x1                     | 750                                      | 1593         | 52 <sup>0</sup> <sub>-0.007</sub>  | 68  | 40 <sup>0</sup> <sub>-0.025</sub>  | 47   | 32 <sup>+0.025</sup> <sub>0</sub> | 10.1 | 6  | 28   | 60  | 4.5 | 25 | M4  | 40 | 591         | 1275                                   |  |
| RFY01616-3.6          | 16                       | 16          | 2.778                    | 1.8x2                     | 750                                      | 1593         | 52 <sup>0</sup> <sub>-0.007</sub>  | 68  | 40 <sup>0</sup> <sub>-0.025</sub>  | 47   | 32 <sup>+0.025</sup> <sub>0</sub> | 10.1 | 6  | 28   | 60  | 4.5 | 25 | M4  | 40 | 1073        | 2551                                   |  |
| RFY02020-1.8          | 20                       | 20          | 3.175                    | 1.8x1                     | 1066                                     | 2452         | 62 <sup>0</sup> <sub>-0.007</sub>  | 78  | 50 <sup>0</sup> <sub>-0.025</sub>  | 53.5 | 39 <sup>+0.025</sup> <sub>0</sub> | 11   | 7  | 34.5 | 70  | 4.5 | 31 | M5  | 40 | 764         | 1758                                   |  |
| RFY02020-3.6          | 20                       | 20          | 3.175                    | 1.8x2                     | 1066                                     | 2452         | 62 <sup>0</sup> <sub>-0.007</sub>  | 78  | 50 <sup>0</sup> <sub>-0.025</sub>  | 53.5 | 39 <sup>+0.025</sup> <sub>0</sub> | 11   | 7  | 34.5 | 70  | 4.5 | 31 | M5  | 40 | 1387        | 3515                                   |  |
| RFY02525-1.8          | 25                       | 25          | 3.969                    | 1.8x1                     | 1119                                     | 2765         | 72 <sup>0</sup> <sub>-0.007</sub>  | 92  | 58 <sup>0</sup> <sub>-0.03</sub>   | 65   | 47 <sup>+0.025</sup> <sub>0</sub> | 15.8 | 8  | 35   | 81  | 5.5 | 38 | M6  | 40 | 1142        | 2747                                   |  |
| RFY02525-3.6          | 25                       | 25          | 3.969                    | 1.8x2                     | 1119                                     | 2765         | 72 <sup>0</sup> <sub>-0.007</sub>  | 92  | 58 <sup>0</sup> <sub>-0.03</sub>   | 65   | 47 <sup>+0.025</sup> <sub>0</sub> | 15.8 | 8  | 35   | 81  | 5.5 | 38 | M6  | 40 | 2074        | 5494                                   |  |
| RFY03232-1.8          | 32                       | 32          | 4.762                    | 1.8x1                     | 2087                                     | 5586         | 80 <sup>0</sup> <sub>-0.007</sub>  | 105 | 66 <sup>0</sup> <sub>-0.03</sub>   | 81   | 58 <sup>+0.03</sup> <sub>0</sub>  | 21.5 | 9  | 42.5 | 91  | 6.6 | 48 | M6  | 40 | 1664        | 4345                                   |  |
| RFY04040-1.8          | 40                       | 40          | 6.35                     | 1.8x1                     | 3183                                     | 9306         | 110 <sup>0</sup> <sub>-0.008</sub> | 140 | 90 <sup>0</sup> <sub>-0.035</sub>  | 102  | 73 <sup>+0.03</sup> <sub>0</sub>  | 16.5 | 11 | 64.5 | 123 | 9   | 61 | M8  | 50 | 2662        | 7031                                   |  |
| RFY05050-1.8          | 50                       | 50          | 7.938                    | 1.8x1                     | 4328                                     | 12573        | 120 <sup>0</sup> <sub>-0.008</sub> | 156 | 100 <sup>0</sup> <sub>-0.035</sub> | 121  | 90 <sup>+0.035</sup> <sub>0</sub> | 29   | 12 | 70   | 136 | 11  | 75 | M10 | 50 | 3978        | 10987                                  |  |

## FSC系列规格尺寸表

Specifications and Dimensions of FSC Series



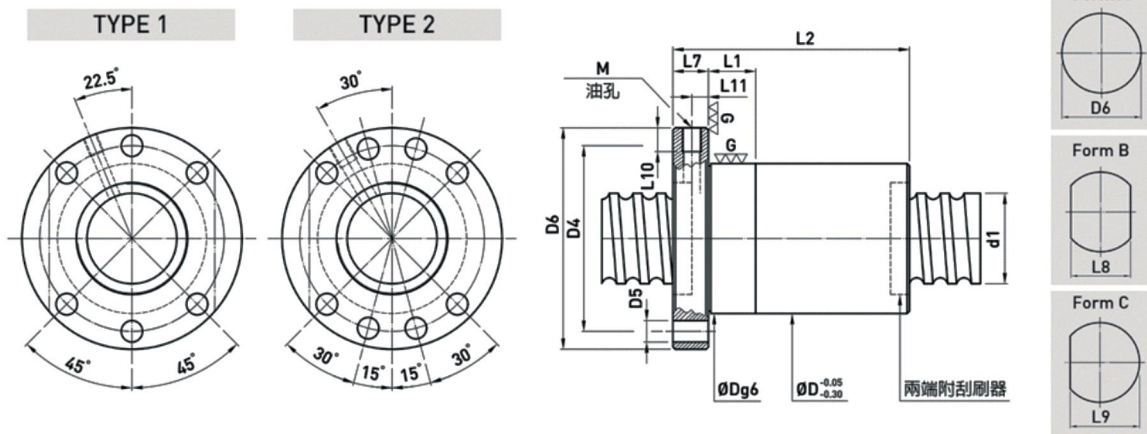
| 型号        | 规格       |      | 节圆直径   | 根径     | 珠径    | 卷数  | 刚性K<br>(kgf/μm) | 动负荷<br>Co(kgf) | 静负荷<br>C0(kgf) | 螺帽 |     |     | 法兰   |               |               |               |     | 油孔      |       |    | 双牙 | 不出牙 |
|-----------|----------|------|--------|--------|-------|-----|-----------------|----------------|----------------|----|-----|-----|------|---------------|---------------|---------------|-----|---------|-------|----|----|-----|
|           | 公称<br>外径 | 导程   |        |        |       |     |                 |                |                | D  | L1  | L2  | TYPE | Form<br>A(D6) | Form<br>B(L8) | Form<br>C(L9) | L7  | D4      | D5    | M  |    |     |
| 14-10K3   | 14       | 10   | 14.6   | 10.724 | 3.175 | 3   | 24              | 920            | 1790           |    | 10  | 46  |      |               |               |               |     |         |       |    |    |     |
| 15-10K3   | 15       | 10   | 16     | 12.869 | 3     | 3   | 26              | 930            | 1970           | 28 | 10  | 45  | 48   | 40            | 44            |               | 38  |         |       |    |    |     |
| 15-16K2   |          | 16   |        |        | 2     | 16  | 610             | 1230           |                | 10 | 45  |     |      |               |               |               |     |         |       |    |    |     |
| 15-10K3   |          | 10   | 15.6   | 12.324 |       | 3   | 25              | 960            | 1930           |    | 10  | 44  |      |               |               |               | 5.5 | M5×0.8P | 6     |    |    |     |
| 15-20K2   |          | 20   |        |        | 3.175 | 2   | 15              | 630            | 1256           |    | 10  | 50  |      |               |               |               |     |         |       |    |    |     |
| 16-16K2   | 16       | 16   | 16.4   | 13.124 |       | 2   | 17              | 680            | 1385           | 34 | 10  | 47  | 57   | 43            | 50            |               | 45  |         |       |    |    | ●   |
| 20-10K4   |          | 10   | 21     | 17.868 | 3     | 4   | 43              | 1390           | 3560           |    | 10  | 55  |      |               |               |               |     |         |       |    |    |     |
| 20-5K4    | 20       | 5    |        |        |       | 4   | 42              | 1490           | 3640           |    | 10  | 40  |      |               |               |               |     |         |       |    |    |     |
| 20-10K3   |          | 10   | 20.6   | 17.324 | 3.175 | 3   | 32              | 1130           | 2660           | 36 | 10  | 47  | 58   | 44            | 51            |               | 47  |         |       |    |    | ●   |
| 20-20K2   |          | 20   |        |        |       | 2   | 21              | 760            | 1730           |    | 10  | 57  |      |               |               |               |     |         |       |    |    | ●   |
| 20-6K5    |          | 6    | 20.8   | 16.744 | 3.969 | 5   | 58              | 2420           | 5660           | 42 | 10  | 49  | 64   | 50            | 57            |               | 53  |         |       |    |    | ●   |
| 20-8K5    |          | 8    | 21     | 16.132 | 4.763 | 5   | 58              | 2960           | 6505           | 45 | 10  | 64  | 65   | 51            | 58            |               | 54  |         |       |    |    | ●   |
| 25-5K4    |          | 5    |        |        |       | 4   | 49              | 1650           | 4612           |    | 10  | 43  |      |               |               |               |     |         |       |    |    |     |
| 25-10K3   | 10       |      |        |        | 3     | 38  | 1260            | 3370           |                | 10 | 50  |     |      |               |               |               |     |         |       |    |    |     |
| 25-15K5   | 15       | 25.6 | 22.324 | 3.175  | 5     | 63  | 1980            | 5730           | 40             | 10 | 90  | 62  | 48   | 55            |               | 51            |     |         |       |    |    | ●   |
| 25-20K3   | 20       |      |        |        | 3     | 39  | 1260            | 3436           |                | 10 | 80  |     |      |               |               |               |     |         |       |    |    | ●   |
| 25-25K2   | 25       |      |        |        | 2     | 25  | 840             | 2170           |                | 10 | 69  |     |      |               |               |               |     |         |       |    |    |     |
| 25-6K5    | 25       | 6    |        |        |       | 5   | 68              | 2720           | 7192           | 45 | 10  | 50  | 65   | 51            | 58            |               | 54  |         |       |    |    |     |
| 25-8K5    |          | 8    |        |        |       | 5   | 70              | 2710           | 7170           | 48 | 10  | 62  | 68   | 54            | 61            |               | 57  |         |       |    |    |     |
| 25-10K4   |          | 10   | 25.8   | 21.744 | 3.969 | 4   | 56              | 2210           | 5660           |    | 10  | 60  |      |               |               |               |     |         |       |    |    | ●   |
| 25-12K4   |          | 12   |        |        |       | 4   | 56              | 2200           | 5640           |    | 10  | 67  |      |               |               |               |     |         |       |    |    | ●   |
| 25-16K3   | 16       |      |        |        | 3     | 42  | 1670            | 4127           | 45             | 10 | 71  | 65  | 51   | 58            |               | 54            |     |         |       |    | ●  |     |
| 25-20K3   | 20       |      |        |        | 3     | 43  | 1710            | 4290           |                | 10 | 80  |     |      |               |               |               |     |         |       |    |    | ●   |
| 25-8K5    | 28       | 8    | 26     | 21.132 | 4.763 | 5   | 72              | 3480           | 8683           | 50 | 10  | 64  | 70   | 56            | 64            |               | 60  |         |       |    |    | ●   |
| 28-6K5    |          | 6    | 28.8   | 24.744 | 3.969 | 5   | 74              | 2840           | 7966           | 50 | 10  | 49  |      |               |               |               |     |         |       |    | ●  |     |
| 28-8K5    |          | 8    |        |        |       | 5   | 79              | 3690           | 9780           |    | 10  | 62  | 80   | 62            | 71            |               | 65  |         |       |    |    | ●   |
| 28-10K5   |          | 10   | 29     | 24.132 | 4.763 | 5   | 80              | 3680           | 9760           | 52 | 10  | 72  |      |               |               |               |     |         |       |    |    | ●   |
| 28-16K4   | 16       |      |        |        | 4     | 64  | 2970            | 7661           | 50             | 10 | 92  |     |      |               |               |               |     |         |       |    | ●  |     |
| 32-5K4    | 32       | 5    | 32.6   | 29.324 | 3.175 | 4   | 57              | 1840           | 5960           | 48 | 10  | 38  | 70   | 54            | 62            |               | 59  |         | M6×1P | 8  |    | ●   |
| 32-5.08K4 |          | 5.08 |        |        | 4     | 57  | 1840            | 5940           | 10             | 39 |     |     |      |               |               |               |     |         |       |    | ●  |     |
| 32-6K5    |          | 6    |        |        |       | 5   | 83              | 3090           | 9480           | 56 | 10  | 48  | 86   | 65            | 75.5          |               | 71  |         |       |    | ●  |     |
| 32-8K5    |          | 8    |        |        |       | 5   | 85              | 3080           | 9430           | 53 | 10  | 59  | 83   | 62            | 72.5          |               | 68  |         |       |    |    | ●   |
| 32-8K5    | 32       | 8    |        |        |       | 5   | 84              | 3080           | 9460           |    | 10  | 59  |      |               |               |               |     |         |       |    |    |     |
| 32-10K5   |          | 10   | 32.8   | 28.744 | 3.969 | 5   | 85              | 3080           | 9450           |    | 10  | 73  |      |               |               |               |     |         |       |    |    |     |
| 32-15K4   |          | 15   |        |        |       | 4   | 69              | 2500           | 7440           |    | 10  | 90  |      |               |               |               |     |         |       |    | ●  |     |
| 32-20K3   |          | 20   |        |        |       | 3   | 52              | 1900           | 5430           | 50 | 20  | 87  | 80   | 62            | 71            |               | 65  |         |       |    |    | ●   |
| 32-32K2   | 32       |      |        |        | 2     | 34  | 1280            | 3530           |                | 20 | 87  |     |      |               |               |               |     |         |       |    | ●  |     |
| 32-40K2   | 40       |      |        |        | 2     | 32  | 1240            | 3440           |                | 20 | 94  |     |      |               |               |               |     |         |       |    | ●  |     |
| 32-8K5    | 32       | 8    |        |        |       | 5   | 84              | 3840           | 10914          | 55 | 10  | 64  |      |               |               |               |     |         |       |    |    | ●   |
| 32-10K5   |          | 10   |        |        |       | 5   | 86              | 3850           | 10890          |    | 10  | 79  |      |               |               |               |     |         |       |    |    |     |
| 32-12K5   |          | 12   | 33     | 28.132 | 4.763 | 5   | 87              | 3840           | 10870          | 56 | 20  | 88  | 86   | 65            | 75.5          |               | 71  |         |       |    |    | ●   |
| 32-20K4   |          | 20   |        |        |       | 4   | 72              | 3190           | 8914           |    | 20  | 106 |      |               |               |               |     |         |       |    |    | ●   |
| 32-25K3   | 25       |      |        |        | 3     | 53  | 2420            | 6500           | 54             | 20 | 97  |     |      |               |               |               |     |         |       |    | ●  |     |
| 32-32K2   | 32       |      |        |        | 2     | 34  | 1620            | 4100           |                | 20 | 88  |     |      |               |               |               |     |         |       |    | ●  |     |
| 32-10K5   | 10       |      |        |        | 5     | 90  | 5640            | 14480          |                | 10 | 77  |     |      |               |               |               |     |         |       |    | ●  |     |
| 32-12K5   | 12       |      |        |        | 5     | 90  | 5620            | 14450          | 62             | 20 | 87  |     |      |               |               |               |     |         |       |    | ●  |     |
| 32-16K4   | 16       | 33.4 | 26.91  | 6.35   | 4     | 73  | 4570            | 11390          | 20             | 92 |     |     |      |               |               |               |     |         |       |    | ●  |     |
| 32-20K4   | 36       | 20   |        |        |       | 4   | 70              | 4240           | 10854          | 57 | 20  | 107 | 87   | 66            | 78            |               | 72  |         |       |    |    | ●   |
| 36-6K5    |          | 6    | 36.8   | 32.744 | 3.969 | 5   | 88              | 3240           | 10632          | 56 | 10  | 51  | 86   | 65            | 77            |               | 71  |         |       |    |    | ●   |
| 36-10K5   |          | 10   |        |        |       | 5   | 98              | 6010           | 16440          |    | 20  | 80  |      |               |               |               |     |         |       |    |    | ●   |
| 36-12K5   |          | 12   |        |        |       | 5   | 99              | 5990           | 16420          | 66 | 20  | 87  | 96   | 73            | 84.5          |               | 81  |         |       |    |    | ●   |
| 36-16K5   | 16       |      |        |        | 5     | 100 | 5960            | 16350          |                | 20 | 109 |     |      |               |               |               |     |         |       |    | ●  |     |
| 36-20K4   | 20       | 37.4 | 30.91  | 6.35   | 4     | 80  | 4840            | 12880          | 65             | 20 | 108 | 95  | 72   | 83.5          |               | 80            |     |         |       |    | ●  |     |
| 36-20K4   | 20       |      |        |        | 4     | 79  | 4840            | 12880          |                | 20 | 108 |     |      |               |               |               |     |         |       |    | ●  |     |
| 36-36K2   | 36       |      |        |        | 2     | 39  | 2540            | 6240           | 61             | 20 | 95  | 91  | 68   | 79.5          |               | 76            |     |         |       |    | ●  |     |
| 38-8K5    | 38       | 8    | 39     | 34.132 | 4.763 | 5   | 96              | 6190           | 13110          | 61 | 20  | 64  | 91   | 68            | 79.5          |               | 76  |         | M8×1P | 10 |    | ●   |
| 38-10K4   |          | 10   |        |        |       | 4   | 81              | 5050           | 13790          |    | 20  | 70  |      |               |               |               |     |         |       |    | ●  |     |
| 38-15K4   |          | 15   |        |        |       | 4   | 83              | 5020           | 13740          |    | 20  | 88  |      |               |               |               |     |         |       |    | ●  |     |
| 38-16K5   |          | 16   | 39.4   | 32.91  | 6.35  | 5   | 104             | 6140           | 17340          | 63 | 20  | 108 | 93   | 70            | 81.5          |               | 78  |         |       |    |    | ●   |
| 38-20K4   |          | 20   |        |        |       | 4   | 83              | 4990           | 13660          |    | 25  | 108 |      |               |               |               |     |         |       |    |    | ●   |
| 38-25K4   |          | 25   |        |        |       | 4   | 83              | 4940           | 13560          |    | 25  | 127 |      |               |               |               |     |         |       |    |    | ●   |
| 38-40K2   | 40       |      |        |        | 2     | 40  | 2590            | 6560           |                | 25 | 103 |     |      |               |               |               |     |         |       |    | ●  |     |

注：1. 表列刚性值，在无预压力时轴向负荷为30%动负荷的条件下计算之。

注：2. K5以下的卷数亦可制作。

## FSC系列规格尺寸表

Specifications and Dimensions of FSC Series



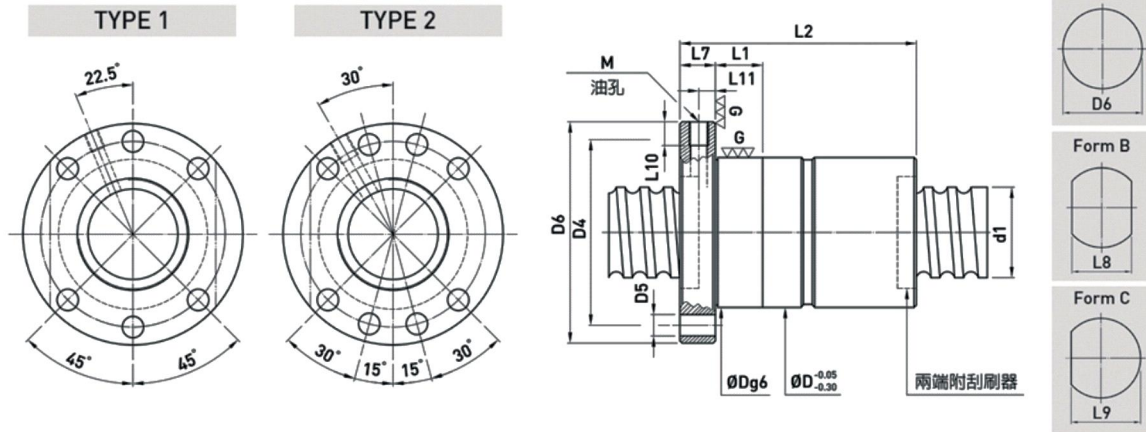
| 型号      | 规格       |    | 节圆直径 | 根径     | 珠径    | 卷数 | 刚性K<br>(kgf/μm) | 动负荷<br>C(kgf) | 静负荷<br>Co(kgf) | 螺帽  |     |     | TYPE | 法兰            |               |               | L7  | D4   | D5    | M  | L10 | L11 | 双牙 | 不出牙 |
|---------|----------|----|------|--------|-------|----|-----------------|---------------|----------------|-----|-----|-----|------|---------------|---------------|---------------|-----|------|-------|----|-----|-----|----|-----|
|         | 公称<br>外径 | 导程 |      |        |       |    |                 |               |                | D   | L1  | L2  |      | Form<br>A(D6) | Form<br>B(L8) | Form<br>C(L9) |     |      |       |    |     |     |    |     |
| 40-5K5  | 40       | 5  | 40.6 | 37.324 | 3.175 | 5  | 85              | 2470          | 9490           | 20  | 45  |     | 2    | 93            | 70            | 81.5          | 78  |      |       |    |     |     |    |     |
| 40-6K5  |          | 6  | 40.8 | 36.744 | 3.969 | 5  | 95              | 3370          | 11780          | 63  | 20  | 52  |      |               |               |               |     |      |       |    |     |     |    |     |
| 40-8K5  |          | 8  |      |        |       | 5  | 101             | 4360          | 14200          | 20  | 64  |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 40-10K5 |          | 10 | 41   | 36.132 | 4.763 | 5  | 102             | 4350          | 14180          | 61  | 20  | 80  |      | 91            | 68            | 79.5          | 76  |      |       |    |     |     |    |     |
| 40-20K4 |          | 20 |      |        |       | 4  | 84              | 3520          | 11130          | 20  | 110 |     |      | 98            | 75            | 86.5          | 83  |      |       |    |     |     |    |     |
| 40-16K5 |          | 16 | 41.2 | 35.522 | 5.556 | 5  | 107             | 5170          | 15510          | 68  | 20  | 108 |      |               |               |               |     |      |       |    |     |     |    |     |
| 40-10K5 |          | 10 |      |        |       | 5  | 106             | 6340          | 18400          | 20  | 83  |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 40-12K5 |          | 12 |      |        |       | 5  | 108             | 6330          | 18380          | 20  | 86  |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 40-16K5 |          | 16 |      |        |       | 5  | 109             | 6300          | 18320          | 70  | 20  | 108 |      | 100           | 75            | 87.5          | 85  | 9    |       |    |     | 7   |    |     |
| 40-20K4 |          | 20 | 41.4 | 34.91  | 6.35  | 4  | 87              | 5130          | 14440          | 20  | 110 |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 40-30K3 |          | 30 |      |        |       | 3  | 67              | 4000          | 11010          | 20  | 117 |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 40-25K4 |          | 25 |      |        |       | 4  | 86              | 5080          | 14350          | 25  | 127 |     |      | 95            | 72            | 83.5          | 80  |      |       |    |     |     |    |     |
| 40-40K2 |          | 40 |      |        |       | 2  | 42              | 2660          | 6940           | 65  | 25  | 101 |      |               |               |               |     |      |       |    |     |     |    |     |
| 40-12K5 |          | 12 |      |        |       | 5  | 110             | 7430          | 20790          | 20  | 90  |     |      | 110           | 85            | 97.5          | 93  |      |       |    |     |     |    |     |
| 40-16K5 |          | 16 | 41.6 | 34.299 | 7.144 | 5  | 112             | 7400          | 20720          | 75  | 20  | 109 |      | 105           | 80            | 92.5          | 90  |      |       |    |     |     |    |     |
| 45-8K5  | 45       | 8  | 46   | 41.132 | 4.763 | 5  | 109             | 4550          | 15860          | 70  | 20  | 66  | 2    | 110           | 85            | 97.5          | 93  |      |       |    |     |     |    |     |
| 45-10K5 |          | 10 |      |        |       | 5  | 118             | 6810          | 21320          | 20  | 78  |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 45-12K5 |          | 12 |      |        |       | 5  | 119             | 6800          | 21290          | 20  | 89  |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 45-16K5 |          | 16 | 46.4 | 39.91  | 6.35  | 5  | 121             | 6780          | 21240          | 20  | 108 |     |      | 110           | 85            | 97.5          | 93  |      |       |    |     |     |    |     |
| 45-20K4 |          | 20 |      |        |       | 4  | 98              | 5520          | 16760          | 75  | 25  | 108 |      |               |               |               |     |      |       |    |     |     |    |     |
| 45-25K4 |          | 25 |      |        |       | 4  | 98              | 5480          | 16670          | 25  | 129 |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 45-40K3 |          | 40 |      |        |       | 3  | 71              | 4100          | 12020          | 25  | 145 |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 45-12K5 |          | 12 |      |        |       | 5  | 119             | 7830          | 23290          | 20  | 88  |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 45-16K5 |          | 16 | 46.6 | 39.299 | 7.144 | 5  | 120             | 7810          | 23230          | 80  | 20  | 119 |      | 117           | 92            | 104.5         | 100 |      |       |    |     |     |    |     |
| 45-20K4 |          | 20 |      |        |       | 4  | 97              | 6360          | 18330          | 25  | 113 |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 50-5K5  | 50       | 5  | 50.6 | 47.324 | 3.175 | 5  | 95              | 2700          | 11940          | 70  | 20  | 45  | 2    | 100           | 75            | 87.5          | 85  |      |       |    |     |     |    |     |
| 50-8K5  |          | 8  | 51   | 46.132 | 4.763 | 5  | 116             | 4730          | 17530          | 75  | 20  | 74  |      | 110           | 85            | 97.5          | 93  |      |       |    |     |     |    |     |
| 50-10K5 |          | 10 |      |        |       | 5  | 125             | 7050          | 23300          | 25  | 80  |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 50-12K5 |          | 12 |      |        |       | 5  | 127             | 7040          | 23280          | 25  | 90  |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 50-15K5 |          | 15 |      |        |       | 5  | 129             | 7030          | 23250          | 82  | 25  | 104 |      | 118           | 92            | 105           | 100 | 11   | M8×1P | 10 | 8   |     |    |     |
| 50-16K5 |          | 16 |      |        |       | 5  | 129             | 7020          | 23230          | 25  | 109 |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 50-20K4 |          | 20 | 51.4 | 44.91  | 6.35  | 4  | 104             | 5720          | 18340          | 25  | 106 |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 50-25K4 |          | 25 |      |        |       | 4  | 104             | 5690          | 18260          | 25  | 129 |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 50-30K4 |          | 30 |      |        |       | 4  | 104             | 5650          | 18170          | 25  | 147 |     |      | 110           | 85            | 97.5          | 93  |      |       |    |     |     |    |     |
| 50-35K3 |          | 35 |      |        |       | 3  | 80              | 4430          | 13840          | 25  | 133 |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 50-40K3 |          | 40 |      |        |       | 3  | 79              | 4390          | 13750          | 25  | 145 |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 50-30K2 |          | 30 | 51.6 | 44.299 | 7.144 | 2  | 53              | 3560          | 9960           | 82  | 25  | 92  |      | 118           | 92            | 105           | 100 |      |       |    |     |     |    |     |
| 50-12K5 |          | 12 |      |        |       | 5  | 130             | 9480          | 28776          | 25  | 97  |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 50-16K5 |          | 16 |      |        |       | 5  | 132             | 9450          | 28710          | 85  | 25  | 112 |      |               |               |               |     |      |       |    |     |     |    |     |
| 50-20K5 |          | 20 | 51.8 | 43.688 | 7.938 | 5  | 134             | 9420          | 28630          | 25  | 138 |     |      | 121           | 95            | 108           | 103 |      |       |    |     |     |    |     |
| 50-50K2 | 55       | 50 |      |        |       | 2  | 52              | 3980          | 10860          | 25  | 124 |     | 2    |               |               |               |     |      |       |    |     |     |    |     |
| 50-20K4 |          | 20 | 52.2 | 42.466 | 9.525 | 4  | 113             | 9870          | 27420          | 86  | 25  | 120 |      |               |               |               |     |      |       |    |     |     |    |     |
| 55-16K5 |          | 16 | 56.4 | 49.91  | 6.35  | 5  | 139             | 7420          | 26157          | 82  | 25  | 104 |      | 118           | 92            | 105           | 100 |      |       |    |     |     |    |     |
| 63-10K5 |          | 10 |      |        |       | 5  | 144             | 7720          | 29190          | 25  | 84  |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 63-12K5 |          | 12 |      |        |       | 5  | 147             | 7720          | 29180          | 95  | 25  | 94  |      | 135           | 100           | 117.5         | 115 |      |       |    |     |     |    |     |
| 63-20K5 |          | 20 | 64.4 | 57.91  | 6.35  | 5  | 157             | 7850          | 30020          | 25  | 132 |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 63-40K2 |          | 40 |      |        |       | 2  | 62              | 3310          | 11100          | 25  | 110 |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 63-12K5 |          | 12 | 64.8 | 56.688 | 7.938 | 5  | 152             | 10520         | 36440          | 98  | 25  | 94  |      | 138           | 103           | 120.5         | 118 |      |       |    |     |     |    |     |
| 63-16K4 |          | 16 |      |        |       | 4  | 132             | 11010         | 34520          | 25  | 100 |     |      |               |               |               |     |      |       |    |     |     |    |     |
| 63-20K5 |          | 20 | 65.2 | 55.466 | 9.525 | 5  | 168             | 13430         | 43530          | 107 | 25  | 140 |      | 147           | 112           | 129.5         | 127 |      |       |    |     |     |    |     |
| 63-25K5 |          | 25 |      |        |       | 5  | 166             | 13390         | 43420          | 110 | 25  | 165 |      | 150           | 115           | 132.5         | 130 | 13.5 |       |    |     |     |    |     |
| 70-16K4 |          | 16 | 72.2 | 62.466 | 9.525 | 4  | 141             | 11470         | 38040          | 115 | 25  | 105 |      | 155           | 120           | 137.5         | 135 |      |       |    |     |     |    |     |
| 70-20K4 |          | 20 |      |        |       | 4  | 143             | 11450         | 37990          | 115 | 25  | 122 |      |               |               |               |     |      |       |    |     |     |    |     |
| 80-10K5 | 80       | 10 | 81.4 | 74.91  | 6.35  | 5  | 166             | 8620          | 37980          | 110 | 25  | 80  |      | 150           | 115           | 132.5         | 130 |      |       |    |     |     |    |     |
| 80-12K5 |          | 12 | 81.8 | 73.688 | 7.938 | 5  | 177             | 11740         | 47130          | 115 | 25  | 102 |      | 155           | 120           | 137.5         | 135 |      |       |    |     |     |    |     |
| 80-16K4 |          | 16 |      |        |       | 4  | 155             | 12410         | 44960          | 125 | 25  | 105 |      | 170           | 135           | 152.5         | 150 |      |       |    |     |     |    |     |
| 80-20K4 |          | 20 |      |        |       | 4  | 160             | 12400         | 44910          | 120 | 25  | 122 |      |               |               |               |     |      |       |    |     |     |    |     |
| 80-25K4 |          | 25 | 82.2 | 72.466 | 9.525 | 4  | 159             | 12370         | 44840          | 120 | 25  | 145 |      | 165           | 130           | 147.5         | 145 |      |       |    |     |     |    |     |
| 80-30K4 |          | 30 |      |        |       | 4  | 161             | 12340         | 44750          | 120 | 25  | 165 |      |               |               |               |     |      |       |    |     |     |    |     |

注：1. 表列刚性值，在无预压力时轴向负荷为30%动负荷的条件下计算之。

注：2. K5以下的卷数亦可制作。

## FDC系列规格尺寸表

Specifications and Dimensions of FDC Series



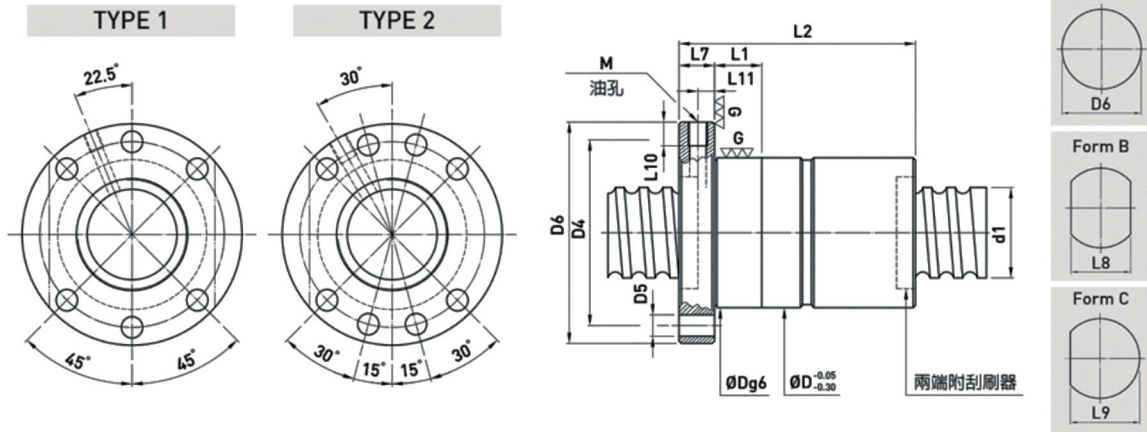
| 型号        | 规格       |      | 节圆直径 | 根径     | 珠径    | 卷数    | 刚性K<br>(kg/μm) | 动负荷<br>C(kgf) | 静负荷<br>Col(kgf) | 螺帽 |     |      | 法兰   |               |               |               |    | 油孔 |    |     | 双牙      | 不出牙 |
|-----------|----------|------|------|--------|-------|-------|----------------|---------------|-----------------|----|-----|------|------|---------------|---------------|---------------|----|----|----|-----|---------|-----|
|           | 公称<br>外径 | 导程   |      |        |       |       |                |               |                 | D  | L1  | L2   | TYPE | Form<br>A(D6) | Form<br>B(L8) | Form<br>C(L9) | L7 | D4 | D5 | M   |         |     |
| 14-10K3   | 14       | 10   | 14.6 | 10.724 | 3.175 | 3     | 31             | 920           | 1790            |    | 10  | 96   |      |               |               |               |    |    |    |     |         |     |
| 15-10K3   | 15       | 10   | 16   | 12.869 | 3     | 3     | 34             | 930           | 1970            | 28 |     | 94   | 48   | 40            | 44            |               | 38 |    |    |     |         |     |
| 15-16K2   |          | 16   |      |        |       | 2     | 21             | 610           | 1230            |    | 94  |      |      |               |               |               |    |    |    |     |         |     |
| 15-10K3   |          | 10   |      |        |       | 3     | 33             | 960           | 1930            |    | 92  |      |      |               |               |               |    |    |    |     |         |     |
| 15-20K2   |          | 20   |      |        |       | 2     | 20             | 630           | 1256            |    | 104 |      |      |               |               |               |    |    |    | 5.5 | M5×0.8P | 6   |
| 16-16K2   | 16       | 16   | 16.4 | 13.124 | 3.175 | 2     | 23             | 680           | 1385            | 34 |     | 98   | 57   | 43            | 50            |               | 45 |    |    |     |         |     |
| 20-10K4   | 20       | 10   | 21   | 17.868 | 3     | 4     | 57             | 1390          | 3560            |    |     | 114  |      |               |               |               |    |    |    |     |         |     |
| 20-5K4    |          | 5    | 4    | 55     | 1490  | 3640  |                | 84            |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 20-10K3   |          | 10   | 20.6 | 17.324 | 3.175 | 3     | 42             | 1130          | 2660            | 36 |     | 98   | 58   | 44            | 51            |               | 47 |    |    |     |         |     |
| 20-20K2   |          | 20   | 2    | 27     | 760   | 1730  |                | 118           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 20-6K5    | 25       | 6    | 20.8 | 16.744 | 3.969 | 5     | 77             | 2420          | 5660            | 42 | 10  | 102  | 64   | 50            | 57            |               | 53 |    |    |     |         |     |
| 20-8K5    |          | 8    | 21   | 16.132 | 4.763 | 5     | 77             | 2960          | 6505            | 45 | 10  | 132  | 65   | 51            | 58            |               | 54 |    |    |     |         |     |
| 25-5K4    |          | 5    | 4    | 65     | 1650  | 4612  |                | 90            |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 25-10K3   |          | 10   | 3    | 50     | 1260  | 3370  |                | 104           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 25-15K5   | 25       | 15   | 25.6 | 22.324 | 3.175 | 5     | 83             | 1980          | 5730            | 40 | 10  | 184  | 62   | 48            | 55            |               | 51 |    |    |     |         |     |
| 25-20K3   |          | 20   | 3    | 51     | 1260  | 3436  |                | 164           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 25-25K2   |          | 25   | 2    | 32     | 840   | 2170  |                | 142           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 25-6K5    |          | 6    | 5    | 91     | 2720  | 7192  | 45             | 10            | 104             | 65 | 51  | 58   |      | 54            |               |               |    |    |    |     |         |     |
| 25-8K5    | 25       | 8    | 5    | 92     | 2710  | 7170  | 48             | 10            | 128             |    |     |      | 68   | 54            | 61            |               | 57 |    |    |     |         |     |
| 25-10K4   |          | 10   | 4    | 74     | 2210  | 5660  |                | 124           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 25-12K4   |          | 12   | 4    | 74     | 2200  | 5640  |                | 138           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 25-16K3   |          | 16   | 3    | 55     | 1670  | 4127  | 45             | 10            | 146             | 65 | 51  | 58   |      | 54            |               |               |    |    |    |     |         |     |
| 25-20K3   | 28       | 20   | 3    | 55     | 1710  | 4290  |                | 164           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 25-8K5    |          | 8    | 26   | 21.132 | 4.763 | 5     | 96             | 3480          | 8683            | 50 | 10  | 132  | 70   | 56            | 64            |               | 60 |    |    |     |         |     |
| 28-6K5    |          | 6    | 28.8 | 24.744 | 3.969 | 5     | 93             | 2840          | 7966            |    |     | 102  |      |               |               |               |    |    |    |     |         |     |
| 28-8K5    |          | 8    | 5    | 104    | 3690  | 9780  | 50             | 10            | 128             | 80 | 62  | 71   |      | 65            |               |               |    |    |    |     |         |     |
| 28-10K5   | 28       | 10   | 29   | 24.132 | 4.763 | 5     | 105            | 3680          | 9760            |    |     | 148  |      |               |               |               |    |    |    |     |         |     |
| 28-16K4   |          | 16   | 4    | 84     | 2970  | 7661  | 10             | 188           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 32-5K4    |          | 5    | 32.6 | 29.324 | 3.175 | 4     | 77             | 1840          | 5960            | 48 | 10  | 80   | 70   | 54            | 62            |               | 59 |    |    |     |         |     |
| 32-5.08K4 |          | 5.08 | 4    | 77     | 1840  | 5940  |                | 82            |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 32-6K5    | 32       | 6    |      |        |       | 5     | 111            | 3090          | 9480            | 56 | 10  | 100  | 86   | 65            | 75.5          |               | 71 |    |    |     |         |     |
| 32-8K5    |          | 8    | 5    | 112    | 3080  | 9430  | 53             | 10            | 122             | 83 | 62  | 72.5 |      | 68            |               |               |    |    |    |     |         |     |
| 32-8K5    |          | 8    | 5    | 112    | 3080  | 9460  |                | 122           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 32-10K5   |          | 10   | 5    | 113    | 3080  | 9450  |                | 150           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 32-15K4   | 32       | 15   | 32.8 | 28.744 | 3.969 | 4     | 91             | 2500          | 7440            |    |     | 184  | 80   | 62            | 71            |               | 65 |    |    |     |         |     |
| 32-20K3   |          | 20   | 3    | 68     | 1900  | 5430  | 50             | 10            | 178             | 80 | 62  | 71   |      | 65            |               |               |    |    |    |     |         |     |
| 32-32K2   |          | 32   | 2    | 44     | 1280  | 3530  | 20             | 178           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 32-40K2   |          | 40   | 2    | 42     | 1240  | 3440  | 20             | 192           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 32-8K5    | 32       | 8    |      |        |       | 5     | 112            | 3860          | 10914           | 55 | 10  | 132  |      |               |               |               |    |    |    |     |         |     |
| 32-10K5   |          | 10   | 5    | 113    | 3850  | 10890 | 56             | 20            | 180             |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 32-12K5   |          | 12   | 5    | 114    | 3840  | 10870 |                | 180           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 32-20K4   |          | 20   | 4    | 94     | 3190  | 8914  |                | 216           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 32-25K3   | 32       | 25   |      |        |       | 3     | 70             | 2420          | 6500            | 54 | 20  | 198  |      |               |               |               |    |    |    |     |         |     |
| 32-32K2   |          | 32   | 2    | 44     | 1620  | 4100  | 20             | 180           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 32-10K5   |          | 10   | 5    | 119    | 5640  | 14480 | 10             | 158           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 32-12K5   |          | 12   | 5    | 119    | 5620  | 14450 | 62             | 20            | 178             | 92 | 74  | 83   |      | 77            |               |               |    |    |    |     |         |     |
| 32-16K4   | 36       | 16   | 33.4 | 26.91  | 6.35  | 4     | 96             | 4570          | 11390           | 20 | 188 |      |      |               |               |               |    |    |    |     |         |     |
| 32-20K4   |          | 20   | 4    | 71     | 4240  | 10854 | 57             | 20            | 218             | 87 | 66  | 78   |      | 72            |               |               |    |    |    |     |         |     |
| 36-6K5    |          | 6    | 36.8 | 32.744 | 3.969 | 5     | 118            | 3240          | 10632           | 56 | 10  | 106  | 86   | 65            | 77            |               | 71 |    |    |     |         |     |
| 36-10K5   |          | 10   | 5    | 130    | 6010  | 16440 | 20             | 164           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 36-12K5   | 36       | 12   |      |        |       | 5     | 131            | 5990          | 16420           | 66 | 20  | 178  | 96   | 73            | 84.5          |               | 81 |    |    |     |         |     |
| 36-16K5   |          | 16   | 37.4 | 30.91  | 6.35  | 5     | 132            | 5960          | 16350           | 20 | 222 |      |      |               |               |               |    |    |    |     |         |     |
| 36-20K4   |          | 20   | 4    | 105    | 4840  | 12880 | 65             | 20            | 220             | 95 | 72  | 83.5 |      | 80            |               |               |    |    |    |     |         |     |
| 36-20K4   |          | 20   | 4    | 105    | 4840  | 12880 | 61             | 20            | 194             | 91 | 68  | 79.5 |      | 76            |               |               |    |    |    |     |         |     |
| 36-36K2   | 38       | 36   |      |        |       | 2     | 51             | 2540          | 6240            |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 38-8K5    |          | 8    | 39   | 34.132 | 4.763 | 5     | 127            | 4190          | 13110           | 61 | 20  | 132  | 91   | 68            | 79.5          |               | 76 |    |    |     |         |     |
| 38-10K4   |          | 10   |      |        |       | 4     | 107            | 5050          | 13790           |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 38-15K4   |          | 15   |      |        |       | 4     | 109            | 5020          | 13740           |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 38-16K5   | 38       | 16   | 39.4 | 32.91  | 6.35  | 5     | 137            | 6140          | 17340           | 63 | 20  | 220  | 93   | 70            | 81.5          |               | 78 |    |    |     |         |     |
| 38-20K4   |          | 20   | 4    | 110    | 4990  | 13660 | 25             | 220           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 38-25K4   |          | 25   | 4    | 109    | 4940  | 13560 | 25             | 258           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |
| 38-40K2   |          | 40   | 2    | 53     | 2590  | 6560  | 25             | 210           |                 |    |     |      |      |               |               |               |    |    |    |     |         |     |

注：1. 表列刚性值，预压力为10%动负荷的条件下计算之。

注：2. K5以下的卷数亦可制作。

## FDC系列规格尺寸表

Specifications and Dimensions of FDC Series



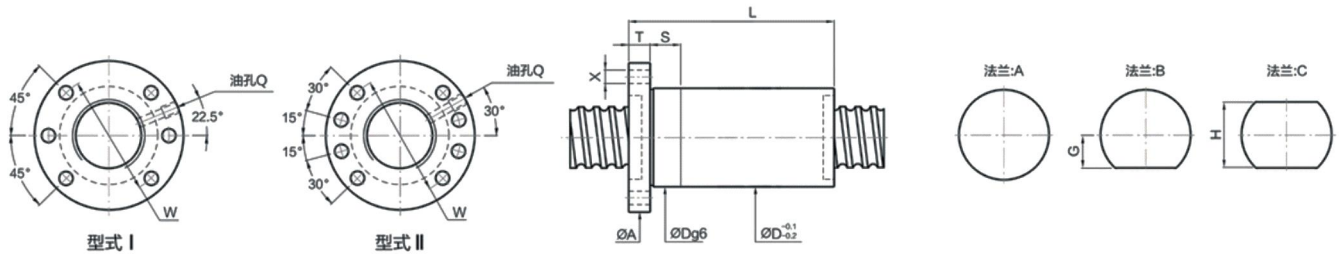
| 型号      | 规格       |      | 节圆直径   | 根径     | 珠径     | 卷数    | 刚性K<br>C(kgf/μm) | 动负荷<br>C(kgf) | 静负荷<br>Co(kgf) | 螺帽    |     |     | 法兰   |               |               |               |       |      |     | 油孔   |     |     | 双牙 | 不出牙 |   |      |   |   |
|---------|----------|------|--------|--------|--------|-------|------------------|---------------|----------------|-------|-----|-----|------|---------------|---------------|---------------|-------|------|-----|------|-----|-----|----|-----|---|------|---|---|
|         | 公称<br>外径 | 导程   |        |        |        |       |                  |               |                | D     | L1  | L2  | TYPE | Form<br>A(D6) | Form<br>B(L8) | Form<br>C(L9) | L7    | D4   | D5  | M    | L10 | L11 |    |     |   |      |   |   |
| 40-5K5  | 40       | 5    | 40.6   | 37.324 | 3.175  | 5     | 114              | 2470          | 9490           |       | 20  | 95  |      |               |               |               |       |      |     |      |     |     |    |     |   |      |   |   |
| 40-6K5  |          | 6    | 40.8   | 36.744 | 3.969  | 5     | 127              | 3370          | 11780          | 63    | 20  | 109 |      | 93            | 70            | 81.5          |       | 78   |     |      |     |     |    |     |   |      |   |   |
| 40-8K5  |          | 8    |        |        |        | 5     | 135              | 4360          | 14200          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     |   | ●    |   |   |
| 40-10K5 |          | 10   | 41     | 36.132 | 4.763  | 5     | 136              | 4350          | 14180          |       | 61  | 20  | 164  |               | 91            | 68            | 79.5  |      | 76  |      |     |     |    |     |   |      |   |   |
| 40-20K4 |          | 20   |        |        |        | 4     | 111              | 3520          | 11130          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     |   |      |   |   |
| 40-16K5 |          | 16   | 41.2   | 35.522 | 5.556  | 5     | 141              | 5170          | 15510          | 68    | 20  | 220 |      | 98            | 75            | 86.5          |       | 83   |     |      |     |     |    |     |   |      |   |   |
| 40-10K5 |          | 10   |        |        |        | 5     | 141              | 6340          | 18400          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     |   |      |   |   |
| 40-12K5 |          | 12   |        |        |        | 5     | 142              | 6330          | 18380          |       |     |     |      |               |               |               |       | 14   |     | 9    |     |     |    | 7   | ● | ●    |   |   |
| 40-16K5 |          | 16   |        |        |        | 5     | 143              | 6300          | 18320          |       | 70  | 20  | 221  |               | 100           | 75            | 87.5  |      | 85  |      |     |     |    | ●   | ● | ●    |   |   |
| 40-20K4 |          | 20   | 41.4   | 34.91  | 6.35   | 4     | 115              | 5130          | 14440          |       |     |     |      |               |               |               |       |      |     |      |     |     |    | ●   | ● | ●    |   |   |
| 40-30K3 |          | 30   |        |        |        | 3     | 88               | 4000          | 11010          |       |     |     |      |               |               |               |       |      |     |      |     |     |    | ●   | ● | ●    |   |   |
| 40-25K4 |          | 25   |        |        |        | 4     | 114              | 5080          | 14350          |       |     |     |      |               | 95            | 72            | 83.5  |      | 80  |      |     |     |    | ●   | ● | ●    |   |   |
| 40-40K2 |          | 40   |        |        |        | 2     | 56               | 2660          | 6940           | 65    | 25  | 207 |      |               |               |               |       |      |     |      |     |     |    | ●   | ● | ●    |   |   |
| 40-12K5 |          | 12   |        | 41.6   | 34.299 | 7.144 | 5                | 146           | 7430           | 20790 |     | 75  | 20   | 185           |               | 110           | 85    | 97.5 |     | 93   |     |     |    |     | ● | ●    |   |   |
| 40-16K5 |          | 16   |        |        |        | 5     | 147              | 7400          | 20720          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     | ● | ●    |   |   |
| 45-8K5  |          | 45   | 8      | 46     | 41.132 | 4.763 | 5                | 145           | 4550           | 15860 | 70  | 20  | 137  |               | 105           | 80            | 92.5  |      | 90  |      |     |     |    |     |   | ●    | ● |   |
| 45-10K5 | 10       |      |        |        |        | 5     | 156              | 6810          | 21320          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     | ● | ●    |   |   |
| 45-12K5 | 12       |      |        |        |        | 5     | 158              | 6800          | 21290          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     | ● | ●    |   |   |
| 45-16K5 | 16       |      | 46.4   | 39.91  | 6.35   | 5     | 160              | 6780          | 21240          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     | ● | ●    |   |   |
| 45-20K4 | 20       |      |        |        |        | 4     | 129              | 5520          | 16760          |       | 75  | 25  | 221  |               | 110           | 85            | 97.5  |      | 93  |      |     |     |    | ●   | ● | ●    |   |   |
| 45-25K4 | 25       |      |        |        |        | 4     | 129              | 5480          | 16670          |       |     |     |      |               |               |               |       |      |     |      |     |     |    | ●   | ● | ●    |   |   |
| 45-40K3 | 40       |      |        |        |        | 3     | 93               | 4100          | 12020          |       |     |     |      |               |               |               |       |      |     |      |     |     |    | ●   | ● | ●    |   |   |
| 45-12K5 | 12       |      |        |        |        | 5     | 157              | 7830          | 23290          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     | ● | ●    |   |   |
| 45-16K5 | 16       |      | 46.6   | 39.299 | 7.144  | 5     | 159              | 7810          | 23230          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     |   | ●    | ● |   |
| 45-20K4 | 20       |      |        |        |        | 4     | 128              | 6360          | 18330          | 80    | 25  | 230 |      | 117           | 92            | 104.5         |       | 100  |     |      |     |     |    |     |   | ●    | ● |   |
| 50-5K5  | 5        |      | 50.6   | 47.324 | 3.175  | 5     | 129              | 2700          | 11940          | 70    | 20  | 95  |      | 100           | 75            | 87.5          |       | 85   |     |      |     |     |    |     |   | ●    | ● |   |
| 50-8K5  | 8        |      | 51     | 46.132 | 4.763  | 5     | 154              | 4730          | 17530          | 75    | 20  | 153 |      | 110           | 85            | 97.5          |       | 93   |     |      |     |     |    |     |   | ●    | ● |   |
| 50-10K5 | 10       |      |        |        |        | 5     | 166              | 7050          | 23300          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     |   | ●    | ● |   |
| 50-12K5 | 12       |      |        |        |        | 5     | 169              | 7040          | 23280          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     |   | ●    | ● |   |
| 50-15K5 | 15       |      |        |        |        | 5     | 171              | 7030          | 23250          | 82    | 25  | 214 |      | 118           | 92            | 105           | 16    | 100  | 11  |      |     |     |    |     |   | ●    | ● |   |
| 50-16K5 | 16       |      |        |        |        | 5     | 171              | 7020          | 23230          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     |   | ●    | ● |   |
| 50-20K4 | 20       | 51.4 | 44.91  | 6.35   | 4      | 138   | 5720             | 18340         |                | 25    | 218 |     |      |               |               |               |       |      |     |      |     |     |    | ●   | ● | ●    |   |   |
| 50-25K4 | 25       |      |        |        | 4      | 134   | 5690             | 18260         |                |       |     |     |      |               |               |               |       |      |     |      |     |     |    | ●   | ● | ●    |   |   |
| 50-30K4 | 30       |      |        |        | 4      | 136   | 5650             | 18170         |                |       |     |     |      | 110           | 85            | 97.5          |       | 93   |     |      |     |     |    | ●   | ● | ●    |   |   |
| 50-35K3 | 35       |      |        |        | 3      | 105   | 4430             | 13840         |                | 75    | 25  | 271 |      |               |               |               |       |      |     |      |     |     |    | ●   | ● | ●    |   |   |
| 50-40K3 | 40       |      |        |        | 3      | 104   | 4390             | 13750         |                |       |     |     |      |               |               |               |       |      |     |      |     |     |    | ●   | ● | ●    |   |   |
| 50-30K2 | 30       | 51.6 | 44.299 | 7.144  | 2      | 70    | 3560             | 9960          | 82             | 25    | 190 |     | 118  | 92            | 105           |               | 100   |      |     |      |     |     |    | ●   | ● | ●    |   |   |
| 50-12K5 | 12       |      |        |        | 5      | 173   | 9480             | 28776         |                |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     | ● | ●    |   |   |
| 50-16K5 | 16       |      |        |        | 5      | 175   | 9450             | 28710         |                |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     | ● | ●    |   |   |
| 50-20K5 | 20       | 51.8 | 43.688 | 7.938  | 5      | 176   | 9420             | 28630         |                | 85    | 25  | 229 |      | 121           | 95            | 108           |       | 103  |     |      |     |     |    |     | ● | ●    |   |   |
| 50-50K2 | 50       |      |        |        | 2      | 69    | 3980             | 10860         |                |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     | ● | ●    |   |   |
| 50-20K4 | 20       | 52.2 | 42.466 | 9.525  | 4      | 149   | 9870             | 27420         | 86             | 25    | 245 |     |      |               |               |               |       |      |     |      |     |     |    |     | ● | ●    |   |   |
| 55-16K5 | 55       | 16   | 56.4   | 49.91  | 6.35   | 5     | 185              | 7420          | 26157          | 82    | 25  | 213 |      | 118           | 92            | 105           |       | 100  |     |      |     |     |    |     | ● | ●    |   |   |
| 63-10K5 | 63       | 10   |        |        |        | 5     | 192              | 7720          | 29190          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     | ● | ●    |   |   |
| 63-12K5 |          | 12   |        |        |        | 5     | 196              | 7720          | 29180          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     | ● | ●    |   |   |
| 63-20K5 |          | 20   | 64.4   | 57.91  | 6.35   | 5     | 208              | 7850          | 30020          |       | 95  | 25  | 270  |               | 135           | 100           | 117.5 |      | 115 |      |     |     |    |     | ● | ●    |   |   |
| 63-40K2 |          | 40   |        |        |        | 2     | 82               | 3310          | 11100          |       |     |     |      |               |               |               |       |      |     |      |     |     |    | 10  | ● | ●    |   |   |
| 63-12K5 |          | 12   | 64.8   | 56.688 | 7.938  | 5     | 202              | 10520         | 36440          | 98    | 25  | 194 |      | 138           | 103           | 120.5         |       | 118  |     |      |     |     |    |     | ● | ●    |   |   |
| 63-16K4 |          | 16   |        |        |        | 4     | 175              | 11010         | 34520          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     |   | ●    | ● |   |
| 63-20K5 |          | 20   | 65.2   | 55.466 | 9.525  | 5     | 222              | 13430         | 43530          |       | 107 | 25  | 286  |               | 147           | 112           | 129.5 |      | 127 |      |     |     |    |     |   | ●    | ● |   |
| 63-25K5 |          | 25   |        |        |        | 5     | 218              | 13390         | 43420          |       | 110 | 25  | 336  |               | 150           | 115           | 132.5 |      | 130 | 13.5 |     |     |    |     |   | ●    | ● |   |
| 70-16K4 | 70       | 16   | 72.2   | 62.466 | 9.525  | 4     | 187              | 11470         | 38040          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     |   | ●    | ● |   |
| 70-20K4 |          | 20   |        |        |        | 4     | 190              | 11450         | 37990          |       | 115 | 25  | 250  |               | 155           | 120           | 137.5 |      | 135 |      |     |     |    |     |   | ●    | ● |   |
| 80-10K5 | 80       | 10   | 81.4   | 74.91  | 6.35   | 5     | 223              | 8620          | 37980          | 110   | 25  | 170 |      | 150           | 115           | 132.5         |       | 130  |     |      |     |     |    |     |   | 12.5 | ● | ● |
| 80-12K5 |          | 12   | 81.8   | 73.688 | 7.938  | 5     | 238              | 11740         | 47130          | 115   | 25  | 210 |      | 155           | 120           | 137.5         |       | 135  |     |      |     |     |    |     |   | ●    | ● |   |
| 80-16K4 |          | 16   |        |        |        | 4     | 206              | 12410         | 44960          | 125   | 25  | 216 |      | 170           | 135           | 152.5         | 25    | 150  |     |      |     |     |    |     |   | ●    | ● |   |
| 80-20K4 |          | 20   |        |        |        | 4     | 212              | 12400         | 44910          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     |   | ●    | ● |   |
| 80-25K4 |          | 25   | 82.2   | 72.466 | 9.525  | 4     | 211              | 12370         | 44840          |       | 120 | 25  | 296  |               | 165           | 130           | 147.5 |      | 145 |      |     |     |    |     |   | ●    | ● |   |
| 80-30K4 |          | 30   |        |        |        | 4     | 212              | 12340         | 44750          |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     |   |      | ● | ● |
|         |          |      |        |        |        |       |                  |               |                |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     |   |      | ● | ● |
|         |          |      |        |        |        |       |                  |               |                |       |     |     |      |               |               |               |       |      |     |      |     |     |    |     |   |      | ● | ● |

注：1. 表列刚性值，预压力为10%动负荷的条件下计算之。

注：2. K5以下的卷数亦可制作。

# FSDC系列规格尺寸表

Specifications and Dimensions of FSDC Series



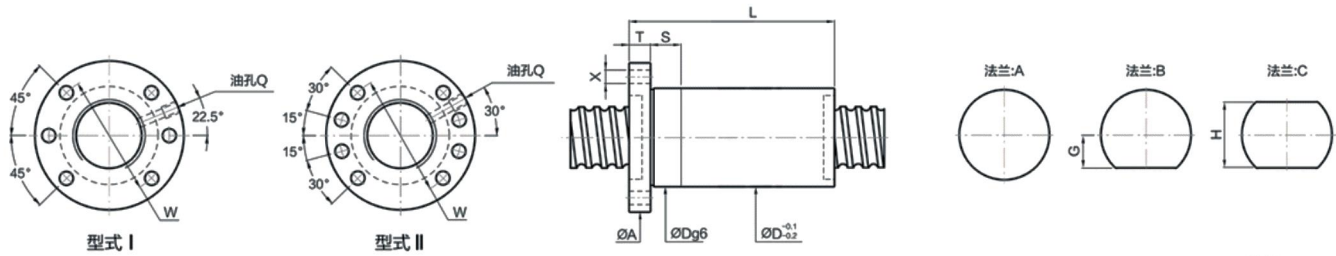
单位: mm

| 螺杆尺寸 |    | 钢珠尺寸  | 循环圈数 | 修正后额定负荷 (kgf) |          | 螺帽  |     | 法兰 |    |    |      |    |      | 配合 | 油孔    | 螺丝孔 | 刚性     |
|------|----|-------|------|---------------|----------|-----|-----|----|----|----|------|----|------|----|-------|-----|--------|
| 外径   | 导程 |       |      |               | 静负荷 Coam | Dg6 | L   | A  | T  | W  | G    | H  | TYPE | S  | Q     | X   | kgf/μm |
| 12   | 5  | 2.381 | 3    | 610           | 1190     | 24  | 32  | 44 | 10 | 34 | 14   | 28 | I    | 10 | M6x1P | 4.5 | 20     |
|      | 10 |       | 3    | 590           | 1160     |     | 45  |    |    |    |      |    |      |    |       |     | 20     |
| 15   | 5  | 3.175 | 3    | 850           | 1640     | 29  | 35  | 51 | 10 | 39 | 16   | 38 | I    | 10 | M6x1P | 5.5 | 26     |
|      | 10 |       | 3    | 840           | 1610     |     | 47  |    |    |    |      |    |      |    |       |     | 26     |
| 16   | 10 | 3.175 | 3    | 870           | 1740     | 29  | 50  | 51 | 10 | 39 | 16   | 38 | I    | 10 | M6x1P | 5.5 | 27     |
| 20   | 5  | 3.175 | 4    | 1300          | 3030     | 36  | 40  | 62 | 12 | 49 | 19   | 38 | I    | 12 | M6x1P | 6.6 | 43     |
|      | 10 |       | 3    | 990           | 2220     |     | 47  |    |    |    |      |    |      |    |       |     | 33     |
|      | 20 |       | 2    | 670           | 1450     |     | 56  |    |    |    |      |    |      |    |       |     | 23     |
|      | 10 | 4.762 | 4    | 2560          | 5530     | 40  | 62  | 62 | 12 | 51 | 24   | 48 | I    | 15 | M6x1P | 6.6 | 48     |
| 25   | 5  | 3.175 | 4    | 1440          | 3840     | 40  | 41  | 62 | 12 | 51 | 24   | 48 | I    | 15 | M6x1P | 6.6 | 50     |
|      | 10 |       | 3    | 1100          | 2810     |     | 50  |    |    |    |      |    |      |    |       |     | 38     |
|      | 15 |       | 4    | 1410          | 3780     |     | 81  |    |    |    |      |    |      |    |       |     | 50     |
|      | 20 | 4.762 | 2    | 750           | 1840     | 45  | 60  | 65 | 15 | 54 | 25.5 | 51 | I    | 15 | M6x1P | 6.6 | 26     |
|      | 25 |       | 2    | 730           | 1810     |     | 71  |    |    |    |      |    |      |    |       |     | 26     |
|      | 6  | 3.969 | 4    | 2250          | 5710     | 43  | 45  | 64 | 12 | 51 | 22   | 44 | I    | 15 | M6x1P | 6.6 | 53     |
|      | 12 |       | 4    | 2240          | 5660     |     | 70  |    |    |    |      |    |      |    |       |     | 53     |
|      | 8  | 4.762 | 4    | 2880          | 6890     | 45  | 55  | 65 | 15 | 54 | 25.5 | 51 | I    | 15 | M6x1P | 6.6 | 55     |
|      | 10 |       | 4    | 2400          | 6870     |     | 63  |    |    |    |      |    |      |    |       |     | 55     |
|      | 16 |       | 4    | 2830          | 6790     |     | 85  |    |    |    |      |    |      |    |       |     | 55     |
| 28   | 5  | 3.175 | 5    | 1850          | 5460     | 43  | 48  | 65 | 12 | 51 | 22   | 44 | I    | 15 | M8x1P | 6.6 | 67     |
|      | 10 | 6.35  | 5    | 5280          | 12530    | 54  | 78  | 87 | 16 | 72 | 34.5 | 69 | I    |    | M8x1P | 9   | 77     |
| 32   | 5  | 3.175 | 4    | 1610          | 4970     | 50  | 41  | 87 | 16 | 72 | 34.5 | 69 | I    | 15 | M8x1P | 9   | 61     |
|      | 10 | 3.969 | 4    | 2550          | 7500     | 53  | 66  |    |    | 72 | 34.5 | 69 |      |    |       |     | 63     |
|      | 8  | 4.762 | 5    | 3900          | 10930    | 53  | 67  | 87 | 16 | 72 | 34.5 | 69 | I    | 15 | M8x1P | 9   | 80     |
|      | 10 |       | 5    | 3890          | 10910    |     | 77  |    |    |    |      |    |      |    |       |     | 80     |
|      | 12 |       | 5    | 3890          | 10890    |     | 87  |    |    |    |      |    |      |    |       |     | 80     |
|      | 15 | 6.35  | 5    | 3860          | 10850    | 57  | 116 | 87 | 16 | 72 | 34.5 | 69 | I    | 15 | M8x1P | 9   | 80     |
|      | 20 |       | 2    | 1700          | 4230     |     | 70  |    |    |    |      |    |      |    |       |     | 34     |
|      | 10 |       | 5    | 5720          | 14490    |     | 78  |    |    |    |      |    |      |    |       |     | 85     |
|      | 12 | 6.35  | 5    | 5710          | 14470    | 57  | 88  | 87 | 16 | 72 | 34.5 | 69 | I    | 15 | M8x1P | 9   | 85     |
|      | 16 |       | 4    | 4520          | 11100    |     | 92  |    |    |    |      |    |      |    |       |     | 69     |
|      | 20 |       | 3    | 3530          | 8340     |     | 88  |    |    |    |      |    |      |    |       |     | 54     |

注: Cam与Coam分别表示修正后的动态与静态负载, 其计算方式依ISO-3408-5的标准。

# FSDC系列规格尺寸表

Specifications and Dimensions of FSDC Series

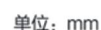


单位: mm

| 螺杆尺寸 |    | 钢珠<br>尺寸 | 循环<br>圈数 | 修正后额定负荷<br>(kgf)                       |             | 螺帽  |     | 法兰  |    |     |    |     |      | 配合 | 油孔    | 螺丝孔 | 刚性     |
|------|----|----------|----------|----------------------------------------|-------------|-----|-----|-----|----|-----|----|-----|------|----|-------|-----|--------|
| 外径   | 导程 |          |          | 动负荷<br>(1x10 <sup>6</sup> REV.)<br>Cam | 静负荷<br>Coam | Dg6 | L   | A   | T  | W   | G  | H   | TYPE | S  | Q     | X   | kgf/μm |
| 36   | 10 | 6.35     | 5        | 6050                                   | 16460       | 61  | 78  | 91  | 18 | 76  | 34 | 68  | II   | 15 | M8x1P | 9   | 93     |
|      | 12 |          | 5        | 6080                                   | 16430       |     | 88  |     |    |     |    |     |      |    |       |     | 93     |
|      | 16 |          | 5        | 6050                                   | 16360       |     | 109 |     |    |     |    |     |      |    |       |     | 93     |
| 38   | 10 | 6.35     | 5        | 6260                                   | 17740       | 63  | 80  | 93  | 18 | 78  | 35 | 70  | II   | 20 | M8x1P | 9   | 97     |
|      | 12 |          | 5        | 6260                                   | 17410       |     | 88  |     |    |     |    |     |      |    |       |     | 97     |
|      | 16 |          | 5        | 6220                                   | 17350       |     | 109 |     |    |     |    |     |      |    |       |     | 97     |
| 40   | 5  | 3.175    | 4        | 1760                                   | 6260        | 58  | 42  | 91  | 18 | 76  | 34 | 68  | II   | 15 | M8x1P | 9   | 71     |
|      | 8  | 4.762    | 4        | 3610                                   | 11260       | 60  | 56  |     |    |     |    |     |      |    |       |     | 77     |
|      | 10 | 6.35     | 5        | 6340                                   | 18440       | 65  | 78  | 95  | 18 | 80  | 36 | 72  | II   | 20 | M8x1P | 9   | 101    |
|      | 12 |          | 5        | 6420                                   | 18410       |     | 88  |     |    |     |    |     |      |    |       |     | 101    |
|      | 15 |          | 5        | 6380                                   | 18350       |     | 121 |     |    |     |    |     |      |    |       |     | 101    |
|      | 16 |          | 5        | 6390                                   | 18330       |     | 108 |     |    |     |    |     |      |    |       |     | 101    |
|      | 20 | 6.35     | 4        | 5190                                   | 14450       | 65  | 110 | 98  | 18 | 83  | 37 | 74  | II   | 20 | M8x1P | 11  | 82     |
| 45   | 10 | 6.35     | 5        | 6910                                   | 21330       | 70  | 78  | 105 | 18 | 88  | 40 | 80  | II   | 20 | M8x1P | 11  | 110    |
|      | 12 |          | 5        | 6910                                   | 21310       |     | 89  |     |    |     |    |     |      |    |       |     | 110    |
|      | 16 |          | 5        | 6880                                   | 21250       |     | 111 |     |    |     |    |     |      |    |       |     | 110    |
| 50   | 8  | 4.762    | 5        | 4780                                   | 17550       | 75  | 64  | 105 | 18 | 88  | 40 | 80  | II   | 20 | M8x1P | 11  | 113    |
|      | 10 | 6.35     | 5        | 7160                                   | 23320       |     | 78  |     |    |     |    |     |      |    |       |     | 119    |
|      | 12 |          | 5        | 7150                                   | 23300       |     | 90  |     |    |     |    |     |      |    |       |     | 119    |
|      | 16 |          | 5        | 7120                                   | 23250       |     | 109 |     |    |     |    |     |      |    |       |     | 119    |
| 55   | 12 | 6.35     | 5        | 7340                                   | 25280       | 80  | 96  | 118 | 18 | 100 | 46 | 92  | II   | 20 | M8x1P | 11  | 128    |
| 63   | 10 | 6.35     | 5        | 7800                                   | 29210       | 88  | 84  | 135 | 22 | 115 | 50 | 100 | II   | 20 | M8x1P | 14  | 141    |

注: Cam与Coam分别表示修正后的动态与静态负载, 其计算方式依ISO-3408-5的标准。

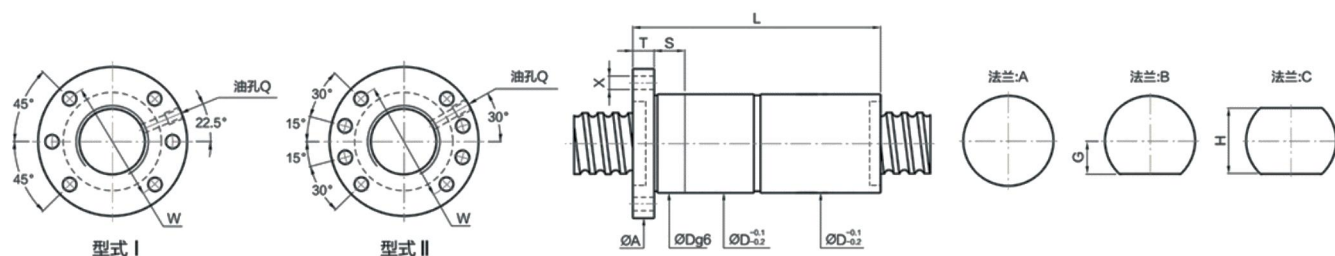
## Specifications and Dimensions of FDDC Series



注: Cam与Coam分别表示修正后的动态与静态负载,其计算方式依ISO-3408-5的标准。

# FDDC系列规格尺寸表

Specifications and Dimensions of FDDC Series

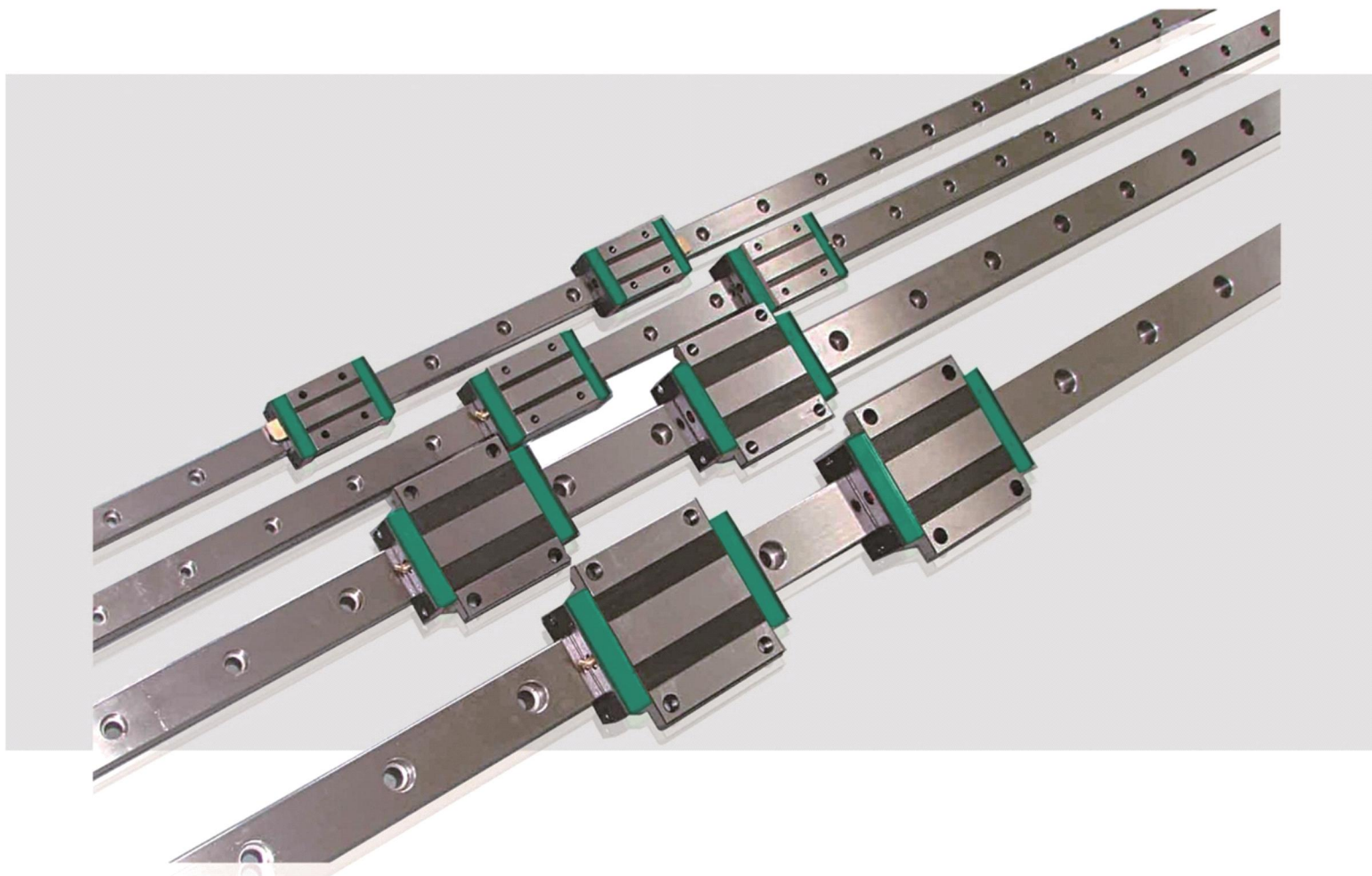


单位: mm

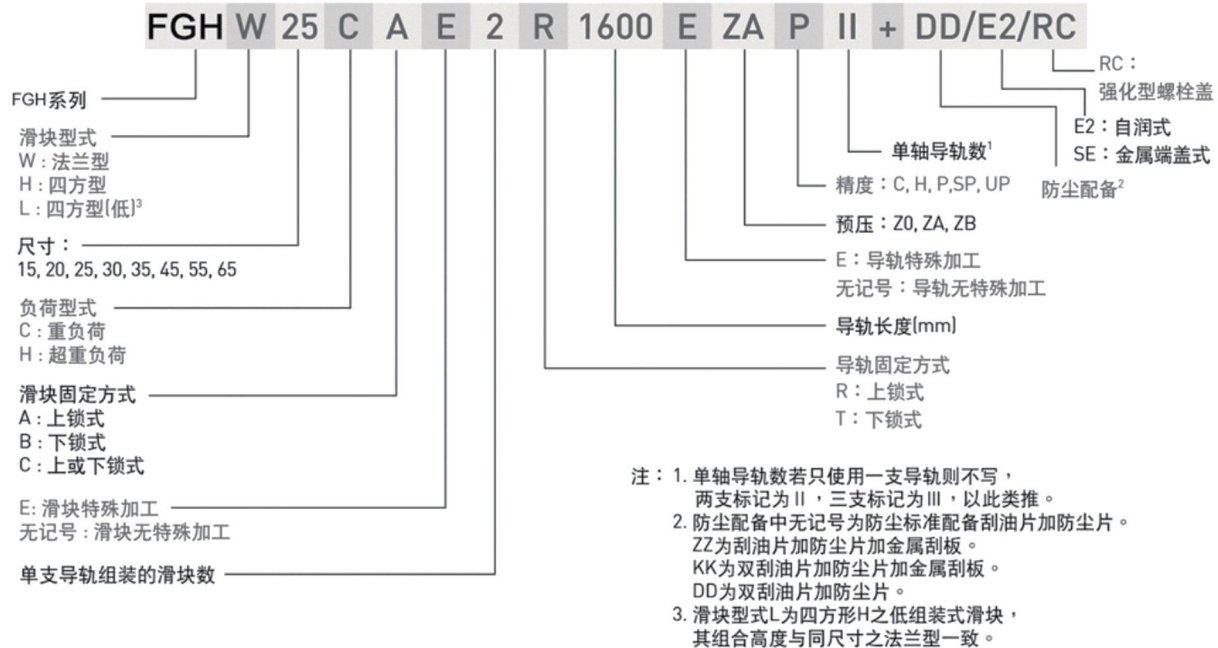
| 螺杆尺寸 |    | 钢珠<br>尺寸 | 循环<br>圈数 | 修正后额定负荷<br>(kgf)                       |             | 螺帽  |     | 法兰  |    |     |    |     |      | 配合 | 油孔    | 螺丝孔 | 刚性     |
|------|----|----------|----------|----------------------------------------|-------------|-----|-----|-----|----|-----|----|-----|------|----|-------|-----|--------|
| 外径   | 导程 |          |          | 动负荷<br>(1x10 <sup>6</sup> REV.)<br>Cam | 静负荷<br>Coam | Dg6 | L   | A   | T  | W   | G  | H   | TYPE | S  | Q     | X   | kgf/μm |
| 36   | 10 |          | 5        | 6050                                   | 16460       |     | 153 |     |    |     |    |     |      |    |       |     | 143    |
|      | 12 | 6.35     | 5        | 6080                                   | 16430       | 61  | 172 | 91  | 18 | 76  | 34 | 68  | II   | 15 | M8x1P | 9   | 143    |
|      | 16 |          | 5        | 6050                                   | 16360       |     | 213 |     |    |     |    |     |      |    |       |     | 143    |
| 38   | 10 |          | 5        | 6260                                   | 17740       |     | 155 |     |    |     |    |     |      |    |       |     | 150    |
|      | 12 | 6.35     | 5        | 6260                                   | 17410       | 63  | 172 | 93  | 18 | 78  | 35 | 70  | II   | 15 | M8x1P | 9   | 150    |
|      | 16 |          | 5        | 6220                                   | 17350       |     | 213 |     |    |     |    |     |      |    |       |     | 150    |
| 40   | 5  | 3.175    | 4        | 1760                                   | 6260        | 58  | 87  |     |    |     |    |     |      |    |       |     | 111    |
|      | 8  | 4.762    | 4        | 3610                                   | 11260       | 60  | 112 | 91  | 18 | 76  | 34 | 68  | II   | 15 | M8x1P | 9   | 118    |
|      | 10 |          | 5        | 6430                                   | 18440       |     | 158 |     |    |     |    |     |      |    |       |     | 155    |
|      | 12 | 6.35     | 5        | 6420                                   | 18410       | 65  | 172 | 95  | 18 | 80  | 36 | 72  | II   | 20 | M8x1P | 9   | 155    |
|      | 15 |          | 5        | 6380                                   | 18350       |     | 226 |     |    |     |    |     |      |    |       |     | 155    |
|      | 16 |          | 5        | 6390                                   | 18330       |     | 212 |     |    |     |    |     |      |    |       |     | 155    |
| 45   | 20 | 6.35     | 4        | 5190                                   | 14450       | 65  | 220 | 98  | 18 | 83  | 37 | 74  | II   | 20 | M8x1P | 11  | 125    |
|      | 10 |          | 5        | 6910                                   | 21330       |     | 158 |     |    |     |    |     |      |    |       |     | 170    |
|      | 12 | 6.35     | 5        | 6910                                   | 21310       | 70  | 171 | 105 | 18 | 88  | 40 | 80  | II   | 20 | M8x1P | 11  | 170    |
|      | 16 |          | 5        | 6880                                   | 21250       |     | 215 |     |    |     |    |     |      |    |       |     | 170    |
| 50   | 8  | 4.762    | 5        | 4780                                   | 17550       | 70  | 128 | 105 | 18 | 88  | 40 | 80  | II   | 20 | M8x1P | 11  | 176    |
|      | 10 |          | 5        | 7160                                   | 23320       |     | 158 |     |    |     |    |     |      |    |       |     | 185    |
|      | 12 | 6.35     | 5        | 7150                                   | 23300       | 75  | 174 | 118 | 18 | 100 | 46 | 92  | II   | 20 | M8x1P | 11  | 185    |
|      | 16 |          | 5        | 7120                                   | 23250       |     | 215 |     |    |     |    |     |      |    |       |     | 185    |
| 55   | 12 | 6.35     | 5        | 7340                                   | 25280       | 80  | 174 | 118 | 18 | 100 | 46 | 92  | II   | 20 | M8x1P | 11  | 198    |
| 63   | 10 | 6.35     | 5        | 7800                                   | 29210       | 88  | 164 | 135 | 22 | 115 | 50 | 100 | II   | 20 | M8x1P | 11  | 220    |

注: Cam与Coam分别表示修正后的动态与静态负载, 其计算方式依ISO-3408-5的标准。

## 直线导轨 Linear Guideway

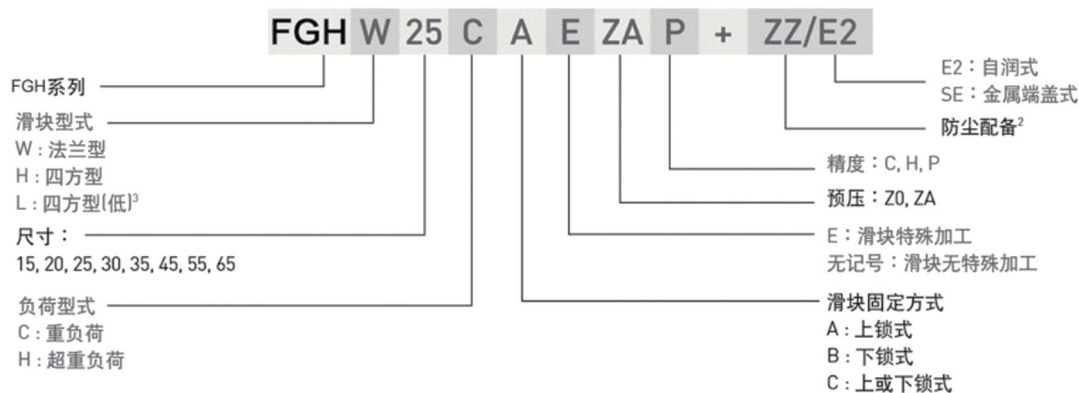


## (1) 非互换性直线导轨产品型号

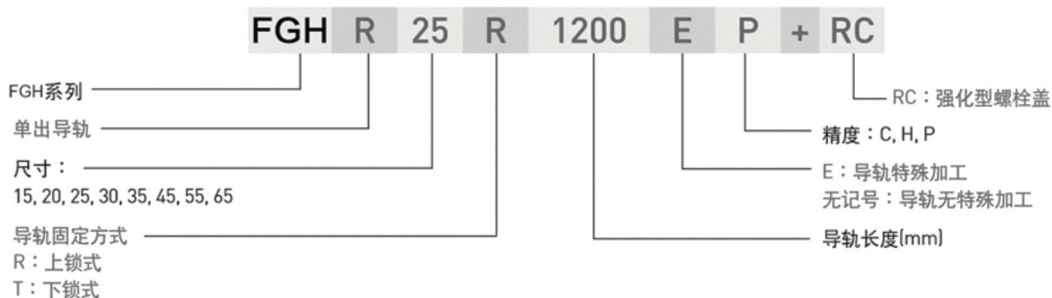


## (2) 互换性直线导轨产品型号

## ○ 互换型滑块产品型号



## ○ 互换型导轨产品型号

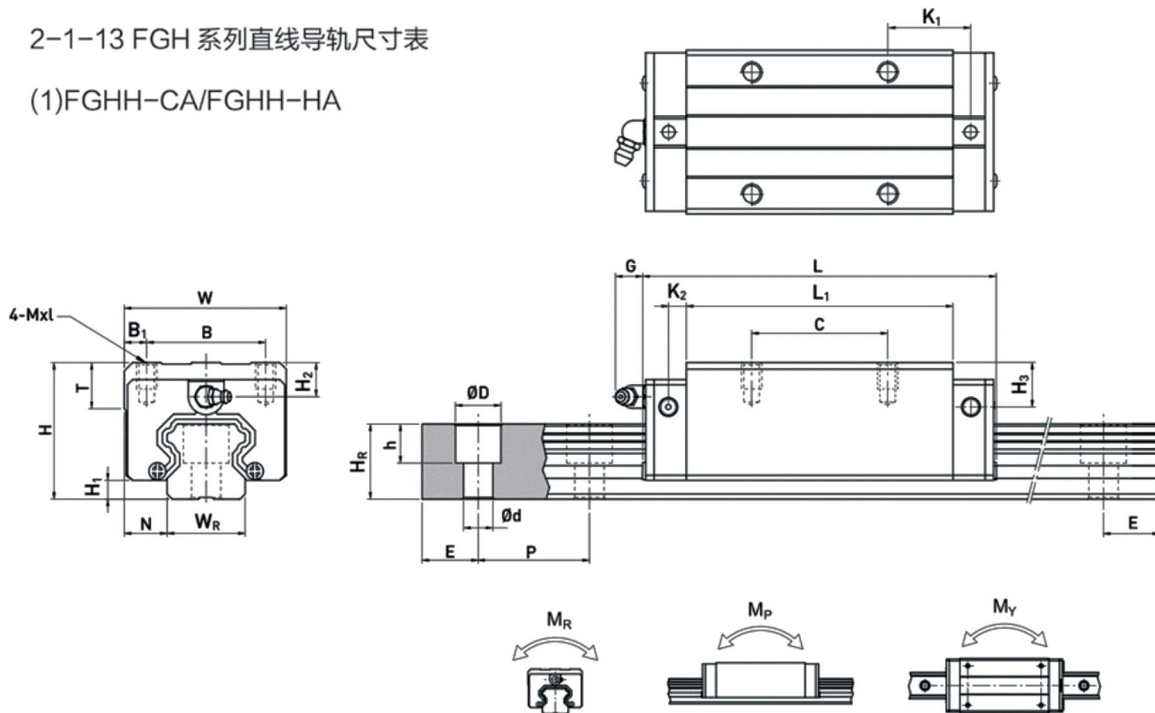


# FGH系列重负荷型滚珠直线导轨

FGH series heavy load ball linear guide

2-1-13 FGH 系列直线导轨尺寸表

(1)FGHH-CA/FGHH-HA



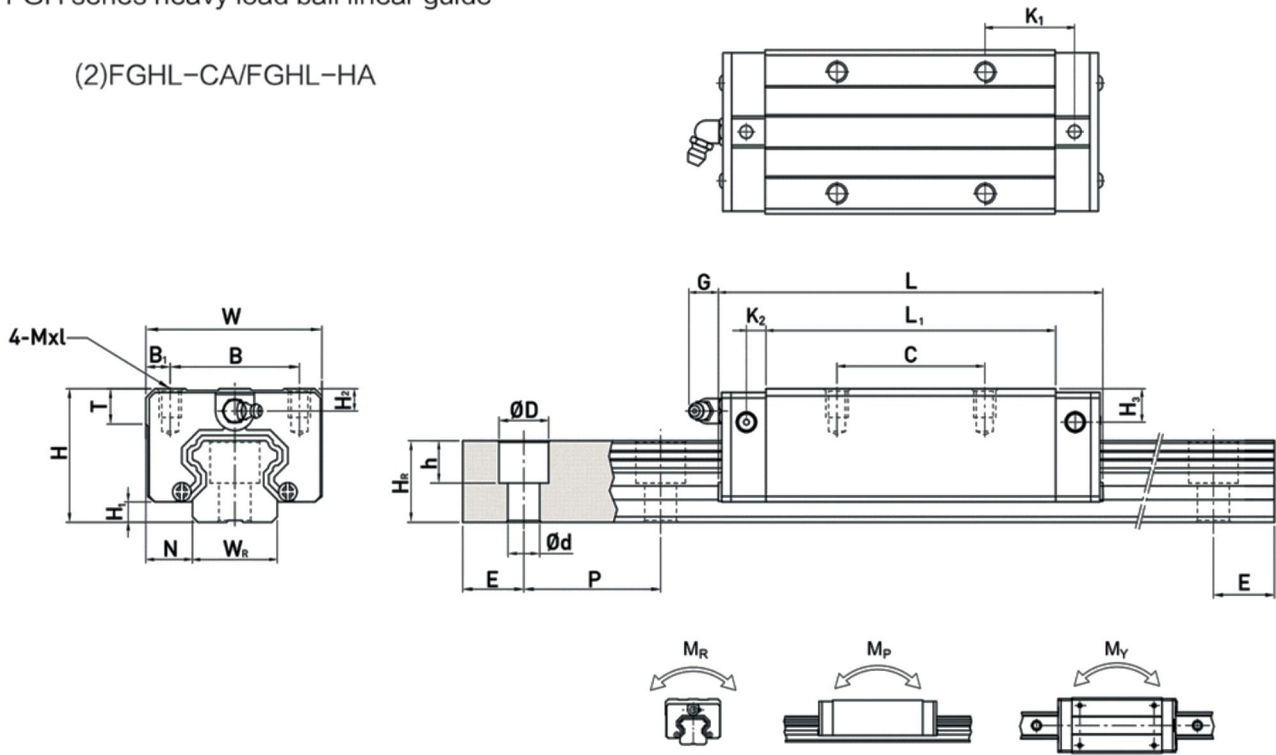
| 型号       | 组件尺寸<br>(mm) |                |      | 滑块尺寸 (mm) |    |                |     |                |       |                |                |      |        | 导轨尺寸 (mm) |                |                |                |                |     |     |     |     |      | 导轨<br>的固定螺<br>柱尺寸 | 基本<br>动额<br>定负荷 | 基本<br>静额<br>定负荷     | 容许静力矩                  |                        |                        | 重量       |            |
|----------|--------------|----------------|------|-----------|----|----------------|-----|----------------|-------|----------------|----------------|------|--------|-----------|----------------|----------------|----------------|----------------|-----|-----|-----|-----|------|-------------------|-----------------|---------------------|------------------------|------------------------|------------------------|----------|------------|
|          |              |                |      |           |    |                |     |                |       |                |                |      |        |           |                |                |                |                |     |     |     |     |      |                   |                 |                     |                        |                        |                        |          |            |
|          | H            | H <sub>1</sub> | N    | W         | B  | B <sub>1</sub> | C   | L <sub>1</sub> | L     | K <sub>1</sub> | K <sub>2</sub> | G    | MxL    | T         | H <sub>2</sub> | H <sub>3</sub> | W <sub>R</sub> | H <sub>R</sub> | D   | h   | d   | P   | E    | (mm)              | C(kN)           | C <sub>0</sub> [kN] | M <sub>R</sub><br>kN-m | M <sub>P</sub><br>kN-m | M <sub>Y</sub><br>kN-m | 滑块<br>kg | 导轨<br>kg/m |
| FGHH15CA | 28           | 4.3            | 9.5  | 34        | 26 | 4              | 26  | 39.4           | 61.4  | 10             | 4.85           | 5.3  | M4x5   | 6         | 7.95           | 7.7            | 15             | 15             | 7.5 | 5.3 | 4.5 | 60  | 20   | M4x16             | 14.7            | 23.47               | 0.12                   | 0.10                   | 0.10                   | 0.18     | 1.45       |
| FGHH20CA | 30           | 4.6            | 12   | 44        | 32 | 6              | 36  | 50.5           | 77.5  | 12.25          | 6              | 12   | M5x6   | 8         | 6              | 6              | 20             | 17.5           | 9.5 | 8.5 | 6   | 60  | 20   | M5x16             | 27.1            | 36.68               | 0.27                   | 0.20                   | 0.20                   | 0.30     | 2.21       |
| FGHH20HA |              |                |      |           |    |                | 50  | 65.2           | 92.2  | 12.6           |                |      | M5x6   | 8         | 6              | 6              | 20             | 17.5           | 9.5 | 8.5 | 6   | 60  | 20   | M5x16             | 32.7            | 47.96               | 0.35                   | 0.35                   | 0.35                   | 0.39     |            |
| FGHH25CA | 40           | 5.5            | 12.5 | 48        | 35 | 6.5            | 35  | 58             | 84    | 15.7           | 6              | 12   | M6x8   | 8         | 10             | 9              | 23             | 22             | 11  | 9   | 7   | 60  | 20   | M6x20             | 34.9            | 52.82               | 0.42                   | 0.33                   | 0.33                   | 0.51     | 3.21       |
| FGHH25HA |              |                |      |           |    |                | 50  | 78.6           | 104.6 | 18.5           |                |      | M6x8   | 8         | 10             | 9              | 23             | 22             | 11  | 9   | 7   | 60  | 20   | M6x20             | 42.2            | 69.07               | 0.56                   | 0.57                   | 0.57                   | 0.69     |            |
| FGHH30CA | 45           | 6              | 16   | 60        | 40 | 10             | 40  | 70             | 97.4  | 20.25          | 6              | 12   | M8x10  | 8.5       | 9.5            | 16             | 28             | 26             | 14  | 12  | 9   | 80  | 20   | M8x25             | 48.5            | 71.87               | 0.66                   | 0.53                   | 0.53                   | 0.88     | 4.47       |
| FGHH30HA |              |                |      |           |    |                | 60  | 93             | 120.4 | 21.75          |                |      | M8x10  | 8.5       | 9.5            | 16             | 28             | 26             | 14  | 12  | 9   | 80  | 20   | M8x25             | 58.6            | 93.99               | 0.88                   | 0.92                   | 0.92                   | 1.16     |            |
| FGHH35CA | 55           | 7.5            | 18   | 70        | 50 | 10             | 50  | 80             | 112.4 | 20.6           | 7              | 12   | M8x12  | 10.2      | 14             | 14             | 34             | 29             | 14  | 12  | 9   | 80  | 20   | M8x25             | 64.6            | 93.88               | 1.16                   | 0.81                   | 0.81                   | 1.45     | 6.30       |
| FGHH35HA |              |                |      |           |    |                | 72  | 105.8          | 138.2 | 22.5           |                |      | M8x12  | 10.2      | 14             | 14             | 34             | 29             | 14  | 12  | 9   | 80  | 20   | M8x25             | 77.9            | 122.77              | 1.54                   | 1.40                   | 1.40                   | 1.92     |            |
| FGHH45CA | 70           | 9.5            | 20.5 | 86        | 60 | 13             | 60  | 97             | 139.4 | 23             | 10             | 12.9 | M10x17 | 16        | 18.5           | 30.5           | 45             | 38             | 20  | 17  | 14  | 105 | 22.5 | M12x35            | 103.8           | 146.71              | 1.98                   | 1.55                   | 1.55                   | 2.73     | 10.41      |
| FGHH45HA |              |                |      |           |    |                | 80  | 128.8          | 171.2 | 28.9           |                |      | M10x17 | 16        | 18.5           | 30.5           | 45             | 38             | 20  | 17  | 14  | 105 | 22.5 | M12x35            | 125.3           | 191.85              | 2.63                   | 2.68                   | 2.68                   | 3.61     |            |
| FGHH55CA | 80           | 13             | 23.5 | 100       | 75 | 12.5           | 75  | 117.7          | 166.7 | 27.35          | 11             | 12.9 | M12x18 | 17.5      | 22             | 29             | 53             | 44             | 23  | 20  | 16  | 120 | 30   | M14x45            | 153.2           | 211.23              | 3.69                   | 2.64                   | 2.64                   | 4.17     | 15.08      |
| FGHH55HA |              |                |      |           |    |                | 95  | 155.8          | 204.8 | 36.4           |                |      | M12x18 | 17.5      | 22             | 29             | 53             | 44             | 23  | 20  | 16  | 120 | 30   | M14x45            | 184.9           | 276.23              | 4.88                   | 4.57                   | 4.57                   | 5.49     |            |
| FGHH65CA | 90           | 15             | 31.5 | 126       | 76 | 25             | 70  | 144.2          | 200.2 | 43.1           | 14             | 12.9 | M16x20 | 25        | 15             | 15             | 63             | 53             | 26  | 22  | 18  | 150 | 35   | M16x50            | 213.2           | 287.48              | 6.65                   | 4.27                   | 4.27                   | 7.00     | 21.18      |
| FGHH65HA |              |                |      |           |    |                | 120 | 203.6          | 259.6 | 47.8           |                |      | M16x20 | 25        | 15             | 15             | 63             | 53             | 26  | 22  | 18  | 150 | 35   | M16x50            | 277.8           | 420.17              | 9.38                   | 7.38                   | 7.38                   | 9.82     |            |

注: 1kgf=9.81N

# FGH系列重负荷型滚珠直线导轨

FGH series heavy load ball linear guide

(2)FGHL-CA/FGHL-HA



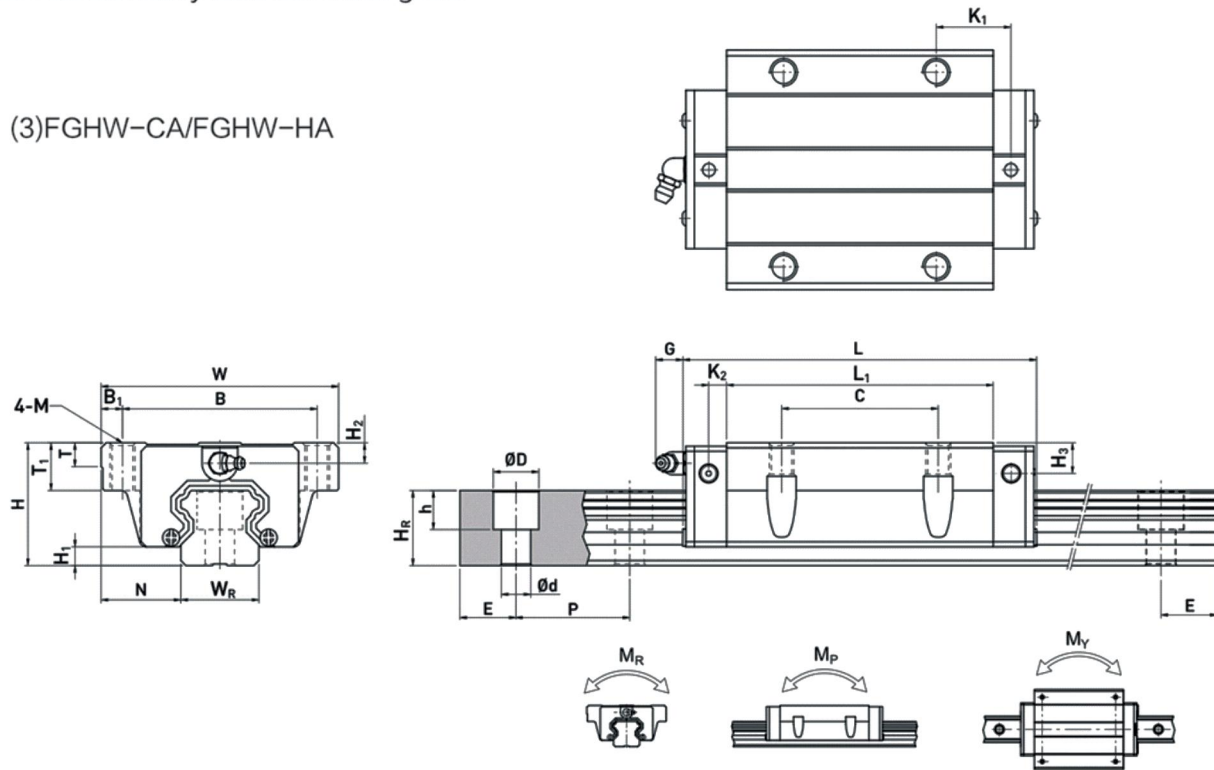
| 型号       | 组件尺寸<br>(mm) |                |      | 滑块尺寸 (mm) |    |                |    |                |       |                |                |      |        |      |                | 导轨尺寸 (mm)      |                |                |     |     |     |     |      |        |       | 导轨的<br>固定螺<br>柱尺寸   | 基本<br>动额<br>定负荷        | 基本<br>静额<br>定负荷        | 容许静力矩                  |          |            | 重量    |  |
|----------|--------------|----------------|------|-----------|----|----------------|----|----------------|-------|----------------|----------------|------|--------|------|----------------|----------------|----------------|----------------|-----|-----|-----|-----|------|--------|-------|---------------------|------------------------|------------------------|------------------------|----------|------------|-------|--|
|          |              |                |      |           |    |                |    |                |       |                |                |      |        |      |                |                |                |                |     |     |     |     |      |        |       |                     |                        |                        |                        |          |            |       |  |
|          | H            | H <sub>1</sub> | N    | W         | B  | B <sub>1</sub> | C  | L <sub>1</sub> | L     | K <sub>1</sub> | K <sub>2</sub> | G    | MxL    | T    | H <sub>2</sub> | H <sub>3</sub> | W <sub>R</sub> | H <sub>R</sub> | D   | h   | d   | P   | E    | (mm)   | C(kN) | C <sub>0</sub> [kN] | M <sub>R</sub><br>kN-m | M <sub>P</sub><br>kN-m | M <sub>Y</sub><br>kN-m | 滑块<br>kg | 导轨<br>kg/m |       |  |
| FGHL15CA | 24           | 4.3            | 9.5  | 34        | 26 | 4              | 26 | 39.4           | 61.4  | 10             | 4.85           | 5.3  | M4x4   | 6    | 3.95           | 3.7            | 15             | 15             | 7.5 | 5.3 | 4.5 | 60  | 20   | M4x16  | 14.7  | 23.47               | 0.12                   | 0.10                   | 0.10                   | 0.14     | 1.45       |       |  |
| FGHL25CA | 36           | 5.5            | 12.5 | 48        | 35 | 6.5            | 35 | 58             | 84    | 15.7           | 6              | 12   | M6x6   | 8    | 6              | 5              | 23             | 22             | 11  | 9   | 7   | 60  | 20   | M6x20  | 34.9  | 52.82               | 0.42                   | 0.33                   | 0.33                   | 0.42     | 3.21       |       |  |
| FGHL25HA |              |                |      |           |    |                | 50 | 78.6           | 104.6 | 18.5           |                |      |        |      |                |                |                |                |     |     |     |     |      |        | 42.2  | 69.07               | 0.56                   | 0.57                   | 0.57                   | 0.57     |            |       |  |
| FGHL30CA | 42           | 6              | 16   | 60        | 40 | 10             | 40 | 70             | 97.4  | 20.25          | 6              | 12   | M8x10  | 8.5  | 6.5            | 7              | 28             | 26             | 14  | 12  | 9   | 80  | 20   | M8x25  | 48.5  | 71.87               | 0.66                   | 0.53                   | 0.53                   | 0.78     |            | 4.47  |  |
| FGHL30HA |              |                |      |           |    |                | 60 | 93             | 120.4 | 21.75          |                |      |        |      |                |                |                |                |     |     |     |     |      |        | 58.6  | 93.99               | 0.88                   | 0.92                   | 0.92                   | 1.03     |            |       |  |
| FGHL35CA | 48           | 7.5            | 18   | 70        | 50 | 10             | 50 | 80             | 112.4 | 20.6           | 7              | 12   | M8x12  | 10.2 | 7              | 7              | 34             | 29             | 14  | 12  | 9   | 80  | 20   | M8x25  | 64.6  | 93.88               | 1.16                   | 0.81                   | 0.81                   | 1.14     | 6.30       |       |  |
| FGHL35HA |              |                |      |           |    |                | 72 | 105.8          | 138.2 | 22.5           |                |      |        |      |                |                |                |                |     |     |     |     |      |        | 77.9  | 122.77              | 1.54                   | 1.40                   | 1.40                   | 1.52     |            |       |  |
| FGHL45CA | 60           | 9.5            | 20.5 | 86        | 60 | 13             | 60 | 97             | 139.4 | 23             | 10             | 12.9 | M10x17 | 16   | 8.5            | 20.5           | 45             | 38             | 20  | 17  | 14  | 105 | 22.5 | M12x35 | 103.8 | 146.71              | 1.98                   | 1.55                   | 1.55                   | 2.08     |            | 10.41 |  |
| FGHL45HA |              |                |      |           |    |                | 80 | 128.8          | 171.2 | 28.9           |                |      |        |      |                |                |                |                |     |     |     |     |      |        | 125.3 | 191.85              | 2.63                   | 2.68                   | 2.68                   | 2.75     |            |       |  |
| FGHL55CA | 70           | 13             | 23.5 | 100       | 75 | 12.5           | 75 | 117.7          | 166.7 | 27.35          | 11             | 12.9 | M12x18 | 17.5 | 12             | 19             | 53             | 44             | 23  | 20  | 16  | 120 | 30   | M14x45 | 153.2 | 211.23              | 3.69                   | 2.64                   | 2.64                   | 3.25     | 15.08      |       |  |
| FGHL55HA |              |                |      |           |    |                | 95 | 155.8          | 204.8 | 36.4           |                |      |        |      |                |                |                |                |     |     |     |     |      |        | 184.9 | 276.23              | 4.88                   | 4.57                   | 4.57                   | 4.27     |            |       |  |

注: 1kgf=9.81N

# FGH系列重负荷型滚珠直线导轨

FGH series heavy load ball linear guide

(3)FGHW-CA/FGHW-HA



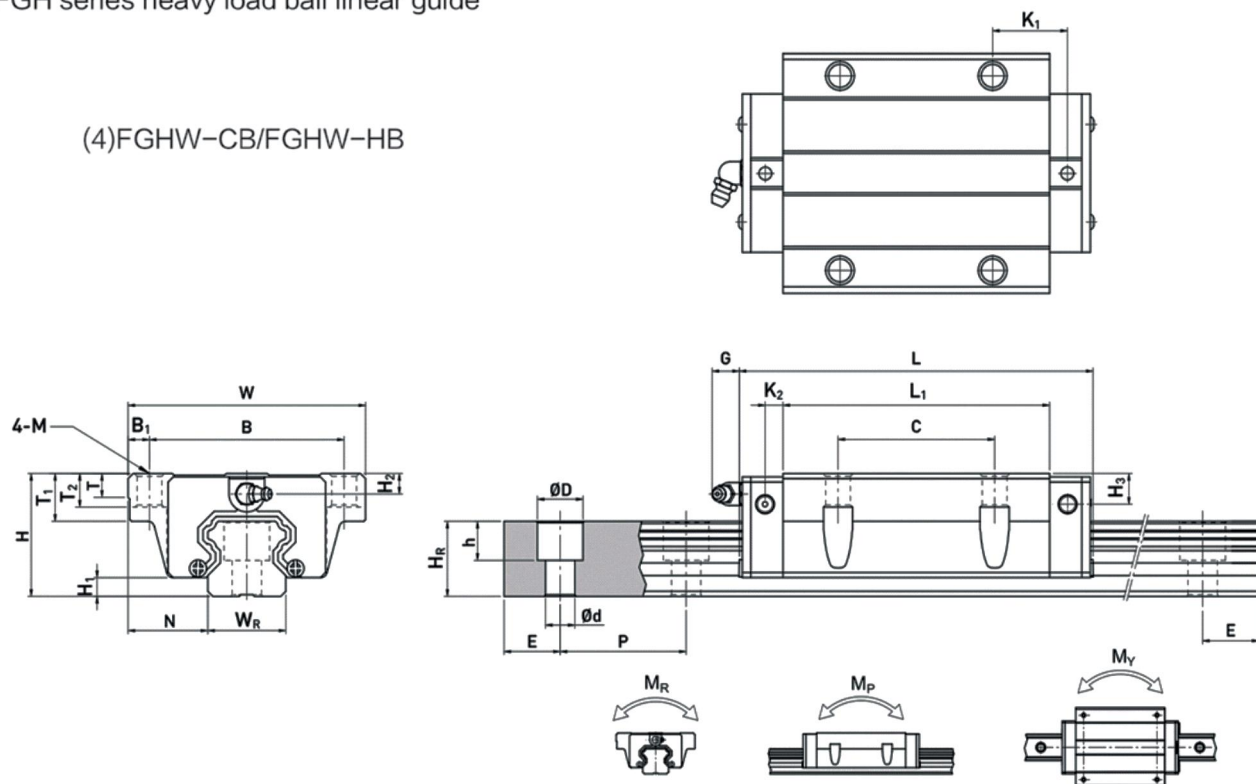
| 型号       | 组件尺寸<br>(mm) |                |      | 滑块尺寸 (mm) |     |                |     |                |       |                |                |      |     |      |                |                |                |                |                |     |     | 导轨尺寸 (mm) |     |      |        |       |                     |                        |                        |                        |          | 导轨<br>的固定螺<br>栓尺寸 | 基本<br>动额定负<br>荷 | 基本<br>静额定负<br>荷 | 容许静力矩 |  |  | 重量 |  |
|----------|--------------|----------------|------|-----------|-----|----------------|-----|----------------|-------|----------------|----------------|------|-----|------|----------------|----------------|----------------|----------------|----------------|-----|-----|-----------|-----|------|--------|-------|---------------------|------------------------|------------------------|------------------------|----------|-------------------|-----------------|-----------------|-------|--|--|----|--|
|          |              |                |      |           |     |                |     |                |       |                |                |      |     |      |                |                |                |                |                |     |     |           |     |      |        |       |                     |                        |                        |                        |          |                   |                 |                 |       |  |  |    |  |
|          | H            | H <sub>1</sub> | N    | W         | B   | B <sub>1</sub> | C   | L <sub>1</sub> | L     | K <sub>1</sub> | K <sub>2</sub> | G    | M   | T    | T <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | W <sub>R</sub> | H <sub>R</sub> | D   | h   | d         | P   | E    | (mm)   | C(kN) | C <sub>0</sub> (kN) | M <sub>R</sub><br>kN·m | M <sub>P</sub><br>kN·m | M <sub>Y</sub><br>kN·m | 滑块<br>kg | 导轨<br>kg/m        |                 |                 |       |  |  |    |  |
| FGHW15CA | 24           | 4.3            | 16   | 47        | 38  | 4.5            | 30  | 39.4           | 61.4  | 8              | 4.85           | 5.3  | M5  | 6    | 8.9            | 3.95           | 3.7            | 15             | 15             | 7.5 | 5.3 | 4.5       | 60  | 20   | M4x16  | 14.7  | 23.47               | 0.12                   | 0.10                   | 0.10                   | 0.17     | 1.45              |                 |                 |       |  |  |    |  |
| FGHW20CA | 30           | 4.6            | 21.5 | 63        | 53  | 5              | 40  | 50.5           | 77.5  | 10.25          | 6              | 12   | M6  | 8    | 10             | 6              | 6              | 20             | 17.5           | 9.5 | 8.5 | 6         | 60  | 20   | M5x16  | 27.1  | 36.68               | 0.27                   | 0.20                   | 0.20                   | 0.40     | 2.21              |                 |                 |       |  |  |    |  |
| FGHW20HA |              |                |      |           |     |                |     | 65.2           | 92.2  | 17.6           |                |      |     |      |                |                |                |                |                |     |     |           |     |      |        | 32.7  | 47.96               | 0.35                   | 0.35                   | 0.35                   | 0.52     |                   |                 |                 |       |  |  |    |  |
| FGHW25CA | 36           | 5.5            | 23.5 | 70        | 57  | 6.5            | 45  | 58             | 84    | 10.7           | 6              | 12   | M8  | 8    | 14             | 6              | 5              | 23             | 22             | 11  | 9   | 7         | 60  | 20   | M6x20  | 34.9  | 52.82               | 0.42                   | 0.33                   | 0.33                   | 0.59     | 3.21              |                 |                 |       |  |  |    |  |
| FGHW25HA |              |                |      |           |     |                |     | 78.6           | 104.6 | 21             |                |      |     |      |                |                |                |                |                |     |     |           |     |      |        | 42.2  | 69.07               | 0.56                   | 0.57                   | 0.57                   | 0.80     |                   |                 |                 |       |  |  |    |  |
| FGHW30CA | 42           | 6              | 31   | 90        | 72  | 9              | 52  | 70             | 97.4  | 14.25          | 6              | 12   | M10 | 8.5  | 16             | 6.5            | 10.8           | 28             | 26             | 14  | 12  | 9         | 80  | 20   | M8x25  | 48.5  | 71.87               | 0.66                   | 0.53                   | 0.53                   | 1.09     | 4.47              |                 |                 |       |  |  |    |  |
| FGHW30HA |              |                |      |           |     |                |     | 93             | 120.4 | 25.75          |                |      |     |      |                |                |                |                |                |     |     |           |     |      |        | 58.6  | 93.99               | 0.88                   | 0.92                   | 0.92                   | 1.44     |                   |                 |                 |       |  |  |    |  |
| FGHW35CA | 48           | 7.5            | 33   | 100       | 82  | 9              | 62  | 80             | 112.4 | 14.6           | 7              | 12   | M10 | 10.1 | 18             | 9              | 12.6           | 34             | 29             | 14  | 12  | 9         | 80  | 20   | M8x25  | 64.6  | 93.88               | 1.16                   | 0.81                   | 0.81                   | 1.56     | 6.30              |                 |                 |       |  |  |    |  |
| FGHW35HA |              |                |      |           |     |                |     | 105.8          | 138.2 | 27.5           |                |      |     |      |                |                |                |                |                |     |     |           |     |      |        | 77.9  | 122.77              | 1.54                   | 1.40                   | 1.40                   | 2.06     |                   |                 |                 |       |  |  |    |  |
| FGHW45CA | 60           | 9.5            | 37.5 | 120       | 100 | 10             | 80  | 97             | 139.4 | 13             | 10             | 12.9 | M12 | 15.1 | 22             | 8.5            | 20.5           | 45             | 38             | 20  | 17  | 14        | 105 | 22.5 | M12x35 | 103.8 | 146.71              | 1.98                   | 1.55                   | 1.55                   | 2.79     | 10.41             |                 |                 |       |  |  |    |  |
| FGHW45HA |              |                |      |           |     |                |     | 128.8          | 171.2 | 28.9           |                |      |     |      |                |                |                |                |                |     |     |           |     |      |        | 125.3 | 191.85              | 2.63                   | 2.68                   | 2.68                   | 3.69     |                   |                 |                 |       |  |  |    |  |
| FGHW55CA | 70           | 13             | 43.5 | 140       | 116 | 12             | 95  | 117.7          | 166.7 | 17.35          | 11             | 12.9 | M14 | 17.5 | 26.5           | 12             | 19             | 53             | 44             | 23  | 20  | 16        | 120 | 30   | M14x45 | 153.2 | 211.23              | 3.69                   | 2.64                   | 2.64                   | 4.52     | 15.08             |                 |                 |       |  |  |    |  |
| FGHW55HA |              |                |      |           |     |                |     | 155.8          | 204.8 | 36.4           |                |      |     |      |                |                |                |                |                |     |     |           |     |      |        | 184.9 | 276.23              | 4.88                   | 4.57                   | 4.57                   | 5.96     |                   |                 |                 |       |  |  |    |  |
| FGHW65CA | 90           | 15             | 53.5 | 170       | 142 | 14             | 110 | 144.2          | 200.2 | 23.1           | 14             | 12.9 | M16 | 25   | 37.5           | 15             | 15             | 63             | 53             | 26  | 22  | 18        | 150 | 35   | M16x50 | 213.2 | 287.48              | 6.65                   | 4.27                   | 4.27                   | 9.17     | 21.18             |                 |                 |       |  |  |    |  |
| FGHW65HA |              |                |      |           |     |                |     | 203.6          | 259.6 | 52.8           |                |      |     |      |                |                |                |                |                |     |     |           |     |      |        | 277.8 | 420.17              | 9.38                   | 7.38                   | 7.38                   | 12.89    |                   |                 |                 |       |  |  |    |  |

注: 1kgf=9.81N

# FGH系列重负荷型滚珠直线导轨

FGH series heavy load ball linear guide

(4)FGHW-CB/FGHW-HB



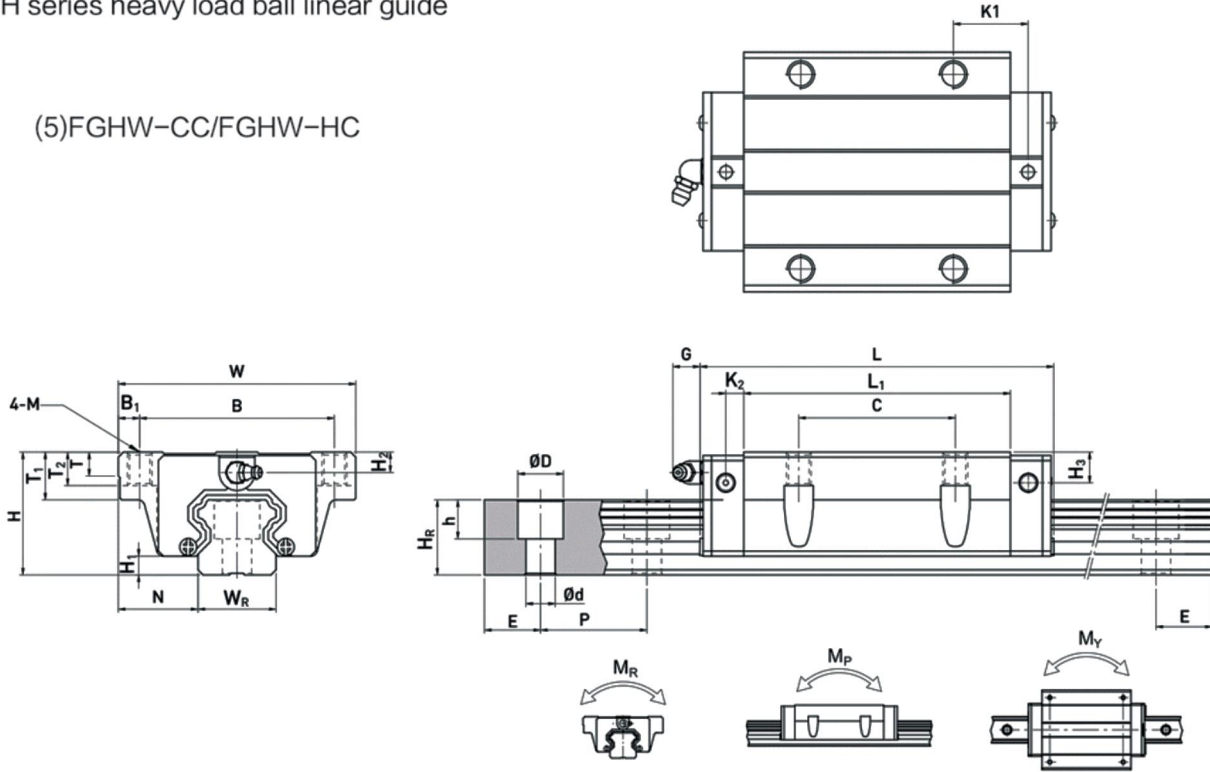
| 型号       | 组件尺寸<br>(mm) |                |      | 滑块尺寸 (mm) |     |                |     |                |       |                |                |      |      |      |                |                |                |                | 导轨尺寸 (mm)      |                |     |     |     |     |      |        | 导轨的<br>固定螺<br>柱尺寸 | 基本<br>动额<br>定负荷     | 基本<br>静额<br>定负荷        | 容许静力矩                  |                        |          | 重量         |  |
|----------|--------------|----------------|------|-----------|-----|----------------|-----|----------------|-------|----------------|----------------|------|------|------|----------------|----------------|----------------|----------------|----------------|----------------|-----|-----|-----|-----|------|--------|-------------------|---------------------|------------------------|------------------------|------------------------|----------|------------|--|
|          |              |                |      |           |     |                |     |                |       |                |                |      |      |      |                |                |                |                |                |                |     |     |     |     |      |        |                   |                     |                        |                        |                        |          |            |  |
|          | H            | H <sub>1</sub> | N    | W         | B   | B <sub>1</sub> | C   | L <sub>1</sub> | L     | K <sub>1</sub> | K <sub>2</sub> | G    | M    | T    | T <sub>1</sub> | T <sub>2</sub> | H <sub>2</sub> | H <sub>3</sub> | W <sub>R</sub> | H <sub>R</sub> | D   | h   | d   | P   | E    | (mm)   | C(kN)             | C <sub>0</sub> (kN) | M <sub>R</sub><br>kN·m | M <sub>P</sub><br>kN·m | M <sub>Y</sub><br>kN·m | 滑块<br>kg | 导轨<br>kg/m |  |
| FGHW15CB | 24           | 4.3            | 16   | 47        | 38  | 4.5            | 30  | 39.4           | 61.4  | 8              | 4.85           | 5.3  | Ø4.5 | 6    | 8.9            | 6.95           | 3.95           | 3.7            | 15             | 15             | 7.5 | 5.3 | 4.5 | 60  | 20   | M4x16  | 14.7              | 23.47               | 0.12                   | 0.10                   | 0.10                   | 0.17     | 1.45       |  |
| FGHW20CB | 30           | 4.6            | 21.5 | 63        | 53  | 5              | 40  | 50.5           | 77.5  | 10.25          | 6              | 12   | Ø6   | 8    | 10             | 9.5            | 6              | 6              | 20             | 17.5           | 9.5 | 8.5 | 6   | 60  | 20   | M5x16  | 27.1              | 36.68               | 0.27                   | 0.20                   | 0.20                   | 0.40     | 2.21       |  |
| FGHW20HB |              |                |      |           |     |                |     | 65.2           | 92.2  | 17.6           |                |      |      |      |                |                |                |                |                |                |     |     |     |     |      |        | 32.7              | 47.96               | 0.35                   | 0.35                   | 0.35                   | 0.52     |            |  |
| FGHW25CB | 36           | 5.5            | 23.5 | 70        | 57  | 6.5            | 45  | 58             | 84    | 10.7           | 6              | 12   | Ø7   | 8    | 14             | 10             | 6              | 5              | 23             | 22             | 11  | 9   | 7   | 60  | 20   | M6x20  | 34.9              | 52.82               | 0.42                   | 0.33                   | 0.33                   | 0.59     | 3.21       |  |
| FGHW25HB |              |                |      |           |     |                |     | 78.6           | 104.6 | 21             |                |      |      |      |                |                |                |                |                |                |     |     |     |     |      |        | 42.2              | 69.07               | 0.56                   | 0.57                   | 0.57                   | 0.80     |            |  |
| FGHW30CB | 42           | 6              | 31   | 90        | 72  | 9              | 52  | 70             | 97.4  | 14.25          | 6              | 12   | Ø9   | 8.5  | 16             | 10             | 6.5            | 7              | 28             | 26             | 14  | 12  | 9   | 80  | 20   | M8x25  | 48.5              | 71.87               | 0.66                   | 0.53                   | 0.53                   | 1.09     | 4.47       |  |
| FGHW30HB |              |                |      |           |     |                |     | 93             | 120.4 | 25.75          |                |      |      |      |                |                |                |                |                |                |     |     |     |     |      |        | 58.6              | 93.99               | 0.88                   | 0.92                   | 0.92                   | 1.44     |            |  |
| FGHW35CB | 48           | 7.5            | 33   | 100       | 82  | 9              | 62  | 80             | 112.4 | 14.6           | 7              | 12   | Ø9   | 10.1 | 18             | 13             | 7              | 7              | 34             | 29             | 14  | 12  | 9   | 80  | 20   | M8x25  | 64.6              | 93.88               | 1.16                   | 0.81                   | 0.81                   | 1.56     | 6.30       |  |
| FGHW35HB |              |                |      |           |     |                |     | 105.8          | 138.2 | 27.5           |                |      |      |      |                |                |                |                |                |                |     |     |     |     |      |        | 77.9              | 122.77              | 1.54                   | 1.40                   | 1.40                   | 2.06     |            |  |
| FGHW45CB | 60           | 9.5            | 37.5 | 120       | 100 | 10             | 80  | 97             | 139.4 | 13             | 10             | 12.9 | Ø11  | 15.1 | 22             | 15             | 8.5            | 20.5           | 45             | 38             | 20  | 17  | 14  | 105 | 22.5 | M12x35 | 103.8             | 146.71              | 1.98                   | 1.55                   | 1.55                   | 2.79     | 10.41      |  |
| FGHW45HB |              |                |      |           |     |                |     | 128.8          | 171.2 | 28.9           |                |      |      |      |                |                |                |                |                |                |     |     |     |     |      |        | 125.3             | 191.85              | 2.63                   | 2.68                   | 2.68                   | 3.69     |            |  |
| FGHW55CB | 70           | 13             | 43.5 | 140       | 116 | 12             | 95  | 117.7          | 166.7 | 17.35          | 11             | 12.9 | Ø14  | 17.5 | 26.5           | 17             | 12             | 19             | 53             | 44             | 23  | 20  | 16  | 120 | 30   | M14x45 | 153.2             | 211.23              | 3.69                   | 2.64                   | 2.64                   | 4.52     | 15.08      |  |
| FGHW55HB |              |                |      |           |     |                |     | 155.8          | 204.8 | 36.4           |                |      |      |      |                |                |                |                |                |                |     |     |     |     |      |        | 184.9             | 276.23              | 4.88                   | 4.57                   | 4.57                   | 5.96     |            |  |
| FGHW65CB | 90           | 15             | 53.5 | 170       | 142 | 14             | 110 | 144.2          | 200.2 | 23.1           | 14             | 12.9 | Ø16  | 25   | 37.5           | 23             | 15             | 15             | 63             | 53             | 26  | 22  | 18  | 150 | 35   | M16x50 | 213.2             | 287.48              | 6.65                   | 4.27                   | 4.27                   | 9.17     | 21.18      |  |
| FGHW65HB |              |                |      |           |     |                |     | 203.6          | 259.6 | 52.8           |                |      |      |      |                |                |                |                |                |                |     |     |     |     |      |        | 277.8             | 420.17              | 9.38                   | 7.38                   | 7.38                   | 12.89    |            |  |

注: 1kgf=9.81N

# FGH系列重负荷型滚珠直线导轨

FGH series heavy load ball linear guide

(5)FGHW-CC/FGHW-HC



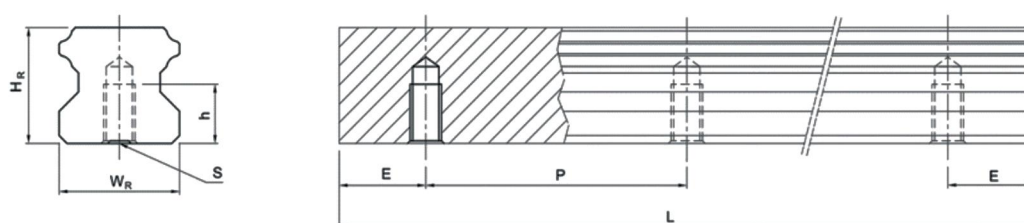
| 型号       | 组件尺寸<br>(mm) |                |      | 滑块尺寸 (mm) |     |                |     |                |       |                |                |      |     |      |                |                |                |                |                | 导轨尺寸 (mm)      |     |     |     |     |      |        | 导轨的<br>固定螺<br>柱尺寸 | 基本<br>动额<br>定负荷     | 基本<br>静额<br>定负荷 | 容许静力矩          |                |       | 重量    |  |  |
|----------|--------------|----------------|------|-----------|-----|----------------|-----|----------------|-------|----------------|----------------|------|-----|------|----------------|----------------|----------------|----------------|----------------|----------------|-----|-----|-----|-----|------|--------|-------------------|---------------------|-----------------|----------------|----------------|-------|-------|--|--|
|          |              |                |      |           |     |                |     |                |       |                |                |      |     |      |                |                |                |                |                |                |     |     |     |     |      |        |                   |                     |                 |                |                |       |       |  |  |
|          | H            | H <sub>1</sub> | N    | W         | B   | B <sub>1</sub> | C   | L <sub>1</sub> | L     | K <sub>1</sub> | K <sub>2</sub> | G    | M   | T    | T <sub>1</sub> | T <sub>2</sub> | H <sub>2</sub> | H <sub>3</sub> | W <sub>R</sub> | H <sub>R</sub> | D   | h   | d   | P   | E    | (mm)   | C(kN)             | C <sub>0</sub> (kN) | M <sub>R</sub>  | M <sub>P</sub> | M <sub>Y</sub> | 滑块    | 导轨    |  |  |
|          |              |                |      |           |     |                |     |                |       |                |                |      |     |      |                |                |                |                |                |                |     |     |     |     |      |        |                   |                     |                 |                |                |       |       |  |  |
| FGHW15CC | 24           | 4.3            | 16   | 47        | 38  | 4.5            | 30  | 39.4           | 61.4  | 8              | 4.85           | 5.3  | M5  | 6    | 8.9            | 6.95           | 3.95           | 3.7            | 15             | 15             | 7.5 | 5.3 | 4.5 | 60  | 20   | M4x16  | 14.7              | 23.47               | 0.12            | 0.10           | 0.10           | 0.17  | 1.45  |  |  |
| FGHW20CC | 30           | 4.6            | 21.5 | 63        | 53  | 5              | 40  | 50.5           | 77.5  | 10.25          | 6              | 12   | M6  | 8    | 10             | 9.5            | 6              | 6              | 20             | 17.5           | 9.5 | 8.5 | 6   | 60  | 20   | M5x16  | 27.1              | 36.68               | 0.27            | 0.20           | 0.20           | 0.40  | 2.21  |  |  |
| FGHW20HC |              |                |      |           |     |                |     | 65.2           | 92.2  | 17.6           |                |      |     |      |                |                |                |                |                |                |     |     |     |     |      |        | 32.7              | 47.96               | 0.35            | 0.35           | 0.35           | 0.52  |       |  |  |
| FGHW25CC | 36           | 5.5            | 23.5 | 70        | 57  | 6.5            | 45  | 58             | 84    | 10.7           | 6              | 12   | M8  | 8    | 14             | 10             | 6              | 5              | 23             | 22             | 11  | 9   | 7   | 60  | 20   | M6x20  | 34.9              | 52.82               | 0.42            | 0.33           | 0.33           | 0.59  | 3.21  |  |  |
| FGHW25HC |              |                |      |           |     |                |     | 78.6           | 104.6 | 21             |                |      |     |      |                |                |                |                |                |                |     |     |     |     |      |        | 42.2              | 69.07               | 0.56            | 0.57           | 0.57           | 0.80  |       |  |  |
| FGHW30CC | 42           | 6              | 31   | 90        | 72  | 9              | 52  | 70             | 97.4  | 14.25          | 6              | 12   | M10 | 8.5  | 16             | 10             | 6.5            | 7              | 28             | 26             | 14  | 12  | 9   | 80  | 20   | M8x25  | 48.5              | 71.87               | 0.66            | 0.53           | 0.53           | 1.09  | 4.47  |  |  |
| FGHW30HC |              |                |      |           |     |                |     | 93             | 120.4 | 25.75          |                |      |     |      |                |                |                |                |                |                |     |     |     |     |      |        | 58.6              | 93.99               | 0.88            | 0.92           | 0.92           | 1.44  |       |  |  |
| FGHW35CC | 48           | 7.5            | 33   | 100       | 82  | 9              | 62  | 80             | 112.4 | 14.6           | 7              | 12   | M10 | 10.1 | 18             | 13             | 7              | 7              | 34             | 29             | 14  | 12  | 9   | 80  | 20   | M8x25  | 64.6              | 93.88               | 1.16            | 0.81           | 0.81           | 1.56  | 6.30  |  |  |
| FGHW35HC |              |                |      |           |     |                |     | 105.8          | 138.2 | 27.5           |                |      |     |      |                |                |                |                |                |                |     |     |     |     |      |        | 77.9              | 122.77              | 1.54            | 1.40           | 1.40           | 2.06  |       |  |  |
| FGHW45CC | 60           | 9.5            | 37.5 | 120       | 100 | 10             | 80  | 97             | 139.4 | 13             | 10             | 12.9 | M12 | 15.1 | 22             | 15             | 8.5            | 20.5           | 45             | 38             | 20  | 17  | 14  | 105 | 22.5 | M12x35 | 103.8             | 146.71              | 1.98            | 1.55           | 1.55           | 2.79  | 10.41 |  |  |
| FGHW45HC |              |                |      |           |     |                |     | 128.8          | 171.2 | 28.9           |                |      |     |      |                |                |                |                |                |                |     |     |     |     |      |        | 125.3             | 191.85              | 2.63            | 2.68           | 2.68           | 3.69  |       |  |  |
| FGHW55CC | 70           | 13             | 43.5 | 140       | 116 | 12             | 95  | 117.7          | 166.7 | 17.35          | 11             | 12.9 | M14 | 17.5 | 26.5           | 17             | 12             | 19             | 53             | 44             | 23  | 20  | 16  | 120 | 30   | M14x45 | 153.2             | 211.23              | 3.69            | 2.64           | 2.64           | 4.52  | 15.08 |  |  |
| FGHW55HC |              |                |      |           |     |                |     | 155.8          | 204.8 | 36.4           |                |      |     |      |                |                |                |                |                |                |     |     |     |     |      |        | 184.9             | 276.23              | 4.88            | 4.57           | 4.57           | 5.96  |       |  |  |
| FGHW65CC | 90           | 15             | 53.5 | 170       | 142 | 14             | 110 | 144.2          | 200.2 | 23.1           | 14             | 12.9 | M16 | 25   | 37.5           | 23             | 15             | 15             | 63             | 53             | 26  | 22  | 18  | 150 | 35   | M16x50 | 213.2             | 287.48              | 6.65            | 4.27           | 4.27           | 9.17  | 21.18 |  |  |
| FGHW65HC |              |                |      |           |     |                |     | 203.6          | 259.6 | 52.8           |                |      |     |      |                |                |                |                |                |                |     |     |     |     |      |        | 277.8             | 420.17              | 9.38            | 7.38           | 7.38           | 12.89 |       |  |  |

注: 1kgf=9.81N

# FGH系列重负荷型滚珠直线导轨

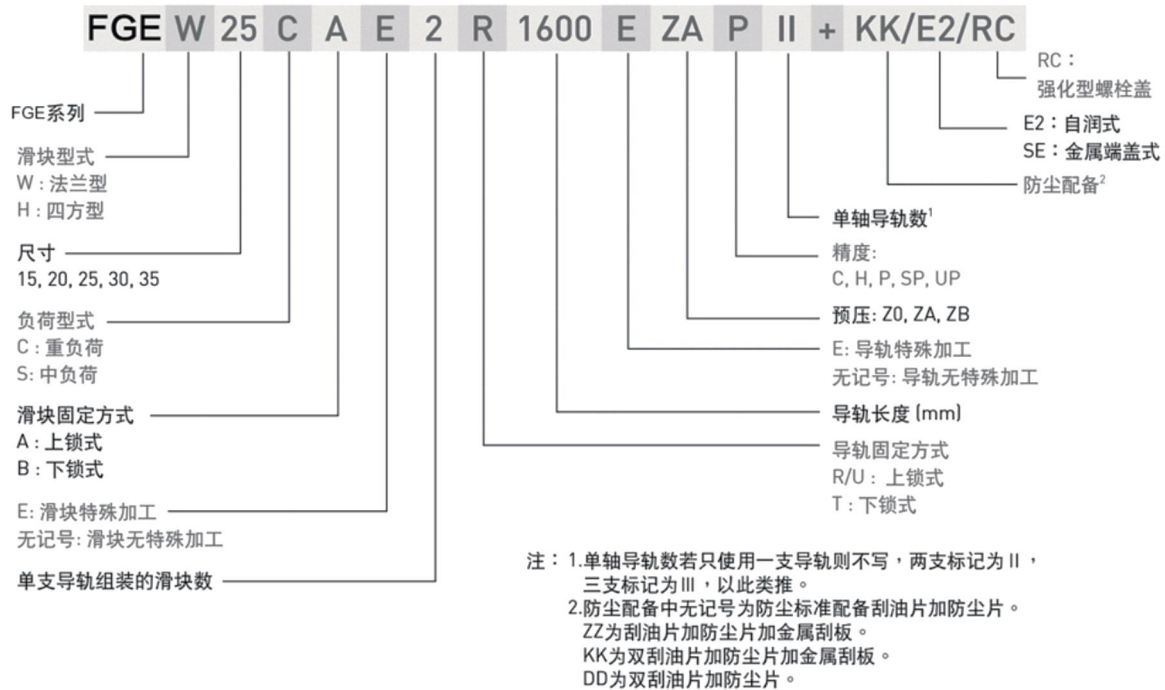
FGH series heavy load ball linear guide

(6)FGHR-T 下锁式导轨尺寸表



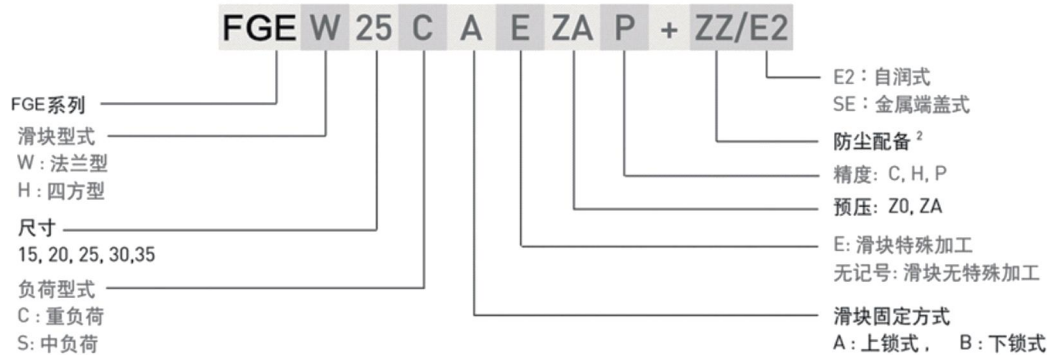
| 型号       | 导轨尺寸 (mm) |       |             |    |     |      | 重量     |
|----------|-----------|-------|-------------|----|-----|------|--------|
|          | $W_R$     | $H_R$ | S           | h  | P   | E    | (kg/m) |
| FGHR 15T | 15        | 15    | M5 x 0.8P   | 8  | 60  | 20   | 1.48   |
| FGHR 20T | 20        | 17.5  | M6 x 1P     | 10 | 60  | 20   | 2.29   |
| FGHR 25T | 23        | 22    | M6 x 1P     | 12 | 60  | 20   | 3.35   |
| FGHR 30T | 28        | 26    | M8 x 1.25P  | 15 | 80  | 20   | 4.67   |
| FGHR 35T | 34        | 29    | M8x1.25P    | 17 | 80  | 20   | 6.51   |
| FGHR 45T | 45        | 38    | M12 x 1.75P | 24 | 105 | 22.5 | 10.87  |
| FGHR 55T | 53        | 44    | M14 x 2P    | 24 | 120 | 30   | 15.67  |
| FGHR 65T | 63        | 53    | M20 x 2.5P  | 30 | 150 | 35   | 21.73  |

## (1) 非互换性直线导轨产品型号

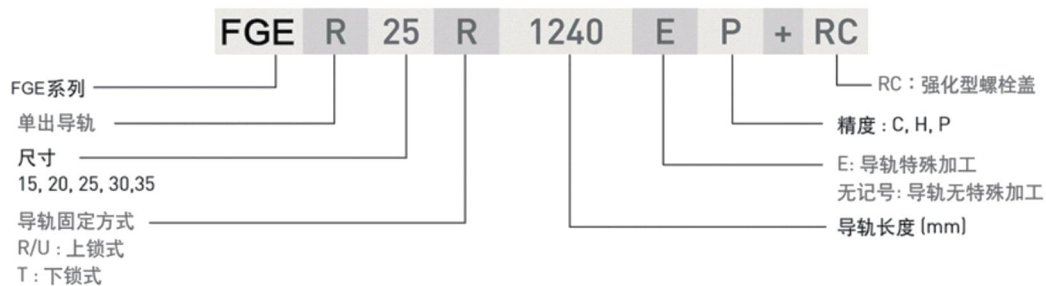


## (2) 互换性直线导轨产品型号

## ○ 互换型滑块产品型号



## ○ 互换型导轨产品型号

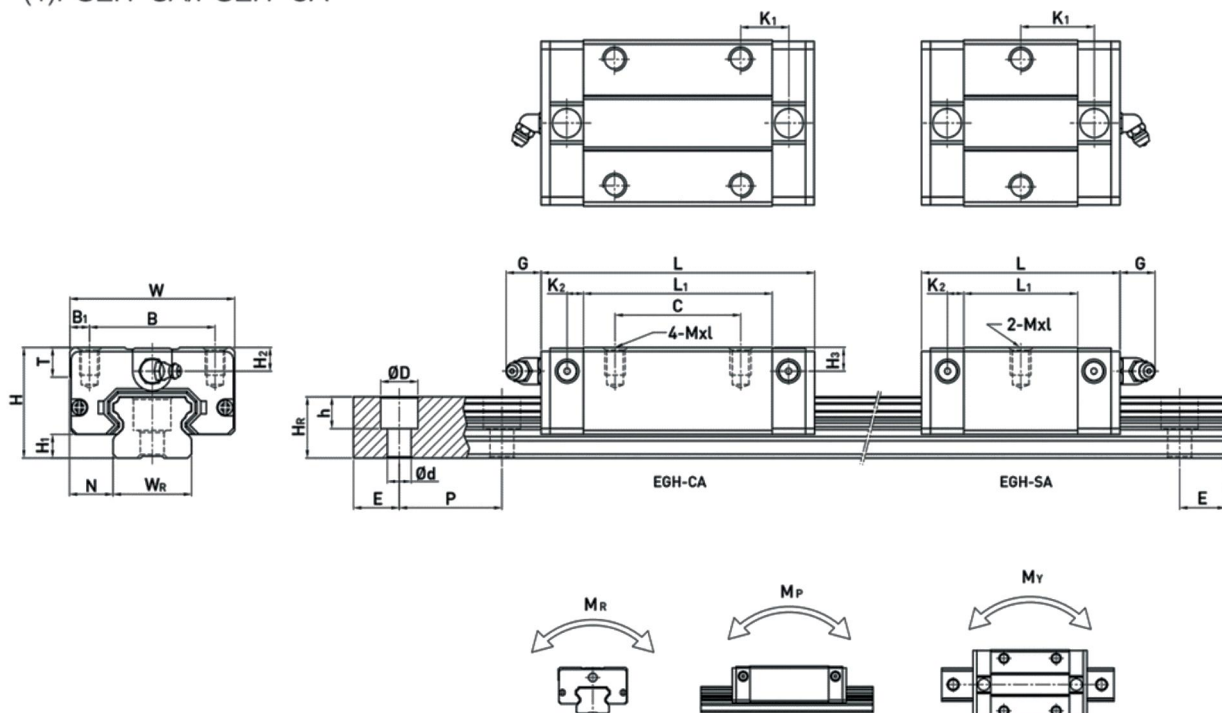


# FGE系列低组装型滚珠直线导轨

FGE series low assembly ball linear guide

2-2-13 FGE 系列直线导轨尺寸表

(1)FGEH-SA/FGEH-CA



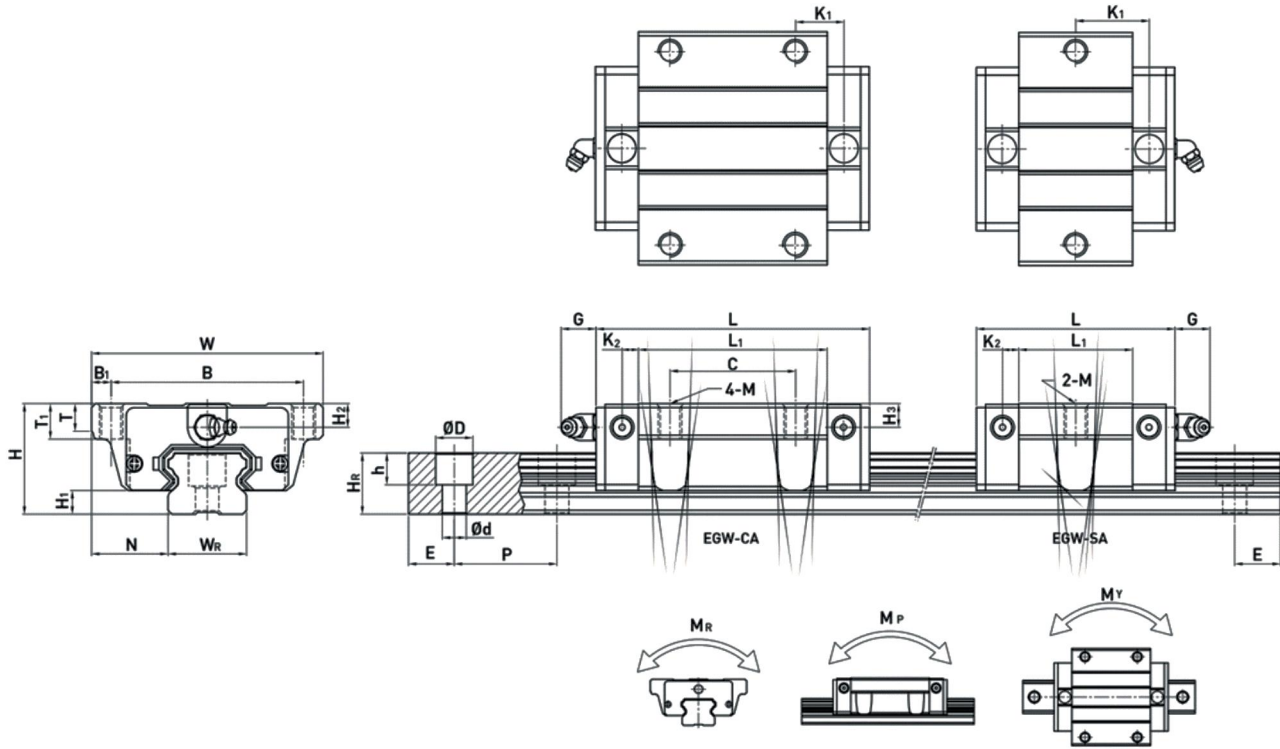
| 型号       | 组件尺寸<br>[mm] |                |      | 滑块尺寸 (mm) |    |                |    |                |      |                |                |     |       |     |                |                |                |                |     | 导轨尺寸(mm) |     |    |    |       |       |                     |                        |                        |                        | 导轨的<br>固定螺<br>柱尺寸 | 基本<br>动额<br>定负荷 | 基本<br>静额<br>定负荷 | 容许静力矩 |  |  | 重量 |  |
|----------|--------------|----------------|------|-----------|----|----------------|----|----------------|------|----------------|----------------|-----|-------|-----|----------------|----------------|----------------|----------------|-----|----------|-----|----|----|-------|-------|---------------------|------------------------|------------------------|------------------------|-------------------|-----------------|-----------------|-------|--|--|----|--|
|          |              |                |      |           |    |                |    |                |      |                |                |     |       |     |                |                |                |                |     |          |     |    |    |       |       |                     |                        |                        |                        |                   |                 |                 |       |  |  |    |  |
|          | H            | H <sub>1</sub> | N    | W         | B  | B <sub>1</sub> | C  | L <sub>1</sub> | L    | K <sub>1</sub> | K <sub>2</sub> | G   | MxL   | T   | H <sub>2</sub> | H <sub>3</sub> | W <sub>R</sub> | H <sub>R</sub> | D   | h        | d   | P  | E  | [mm]  | C(kN) | C <sub>0</sub> [kN] | M <sub>R</sub><br>kN-m | M <sub>P</sub><br>kN-m | M <sub>Y</sub><br>kN-m | 滑块<br>kg          | 导轨<br>kg/m      |                 |       |  |  |    |  |
| FGEH15SA | 24           | 4.5            | 9.5  | 34        | 26 | 4              | -  | 23.1           | 40.1 | 14.8           | 3.5            | 5.7 | M4x6  | 6   | 5.5            | 6              | 15             | 12.5           | 6   | 4.5      | 3.5 | 60 | 20 | M3x16 | 5.35  | 9.40                | 0.08                   | 0.04                   | 0.04                   | 0.09              | 1.25            |                 |       |  |  |    |  |
| FGEH15CA |              |                |      |           |    |                | 26 | 39.8           | 56.8 | 10.15          |                |     |       |     |                |                |                |                |     |          |     |    |    |       | 7.83  | 16.19               | 0.13                   | 0.10                   | 0.10                   | 0.15              |                 |                 |       |  |  |    |  |
| FGEH20SA | 28           | 6              | 11   | 42        | 32 | 5              | -  | 29             | 50   | 18.75          | 4.15           | 12  | M5x7  | 7.5 | 6              | 6              | 20             | 15.5           | 9.5 | 8.5      | 6   | 60 | 20 | M5x16 | 7.23  | 12.74               | 0.13                   | 0.06                   | 0.06                   | 0.15              | 2.08            |                 |       |  |  |    |  |
| FGEH20CA |              |                |      |           |    |                | 32 | 48.1           | 69.1 | 12.3           |                |     |       |     |                |                |                |                |     |          |     |    |    |       | 10.31 | 21.13               | 0.22                   | 0.16                   | 0.16                   | 0.24              |                 |                 |       |  |  |    |  |
| FGEH25SA | 33           | 7              | 12.5 | 48        | 35 | 6.5            | -  | 35.5           | 59.1 | 21.9           | 4.55           | 12  | M6x9  | 8   | 8              | 8              | 23             | 18             | 11  | 9        | 7   | 60 | 20 | M6x20 | 11.40 | 19.50               | 0.23                   | 0.12                   | 0.12                   | 0.25              | 2.67            |                 |       |  |  |    |  |
| FGEH25CA |              |                |      |           |    |                | 35 | 59             | 82.6 | 16.15          |                |     |       |     |                |                |                |                |     |          |     |    |    |       | 16.27 | 32.40               | 0.38                   | 0.32                   | 0.32                   | 0.41              |                 |                 |       |  |  |    |  |
| FGEH30SA | 42           | 10             | 16   | 60        | 40 | 10             | -  | 41.5           | 69.5 | 26.75          | 6              | 12  | M8x12 | 9   | 8              | 9              | 28             | 23             | 11  | 9        | 7   | 80 | 20 | M6x25 | 16.42 | 28.10               | 0.40                   | 0.21                   | 0.21                   | 0.45              | 4.35            |                 |       |  |  |    |  |
| FGEH30CA |              |                |      |           |    |                | 40 | 70.1           | 98.1 | 21.05          |                |     |       |     |                |                |                |                |     |          |     |    |    |       | 23.70 | 47.46               | 0.68                   | 0.55                   | 0.55                   | 0.76              |                 |                 |       |  |  |    |  |
| FGEH35SA | 48           | 11             | 18   | 70        | 50 | 10             | -  | 45             | 75   | 28.5           | 7              | 12  | M8x12 | 10  | 8.5            | 8.5            | 34             | 27.5           | 14  | 12       | 9   | 80 | 20 | M8x25 | 22.66 | 37.38               | 0.56                   | 0.31                   | 0.31                   | 0.74              | 6.14            |                 |       |  |  |    |  |
| FGEH35CA |              |                |      |           |    |                | 50 | 78             | 108  | 20             |                |     |       |     |                |                |                |                |     |          |     |    |    |       | 33.35 | 64.84               | 0.98                   | 0.69                   | 0.69                   | 1.10              |                 |                 |       |  |  |    |  |

注: 1kgf=9.81N

# FGE系列低组装型滚珠直线导轨

FGE series low assembly ball linear guide

(2)FGEW-SA/FGEW-CA



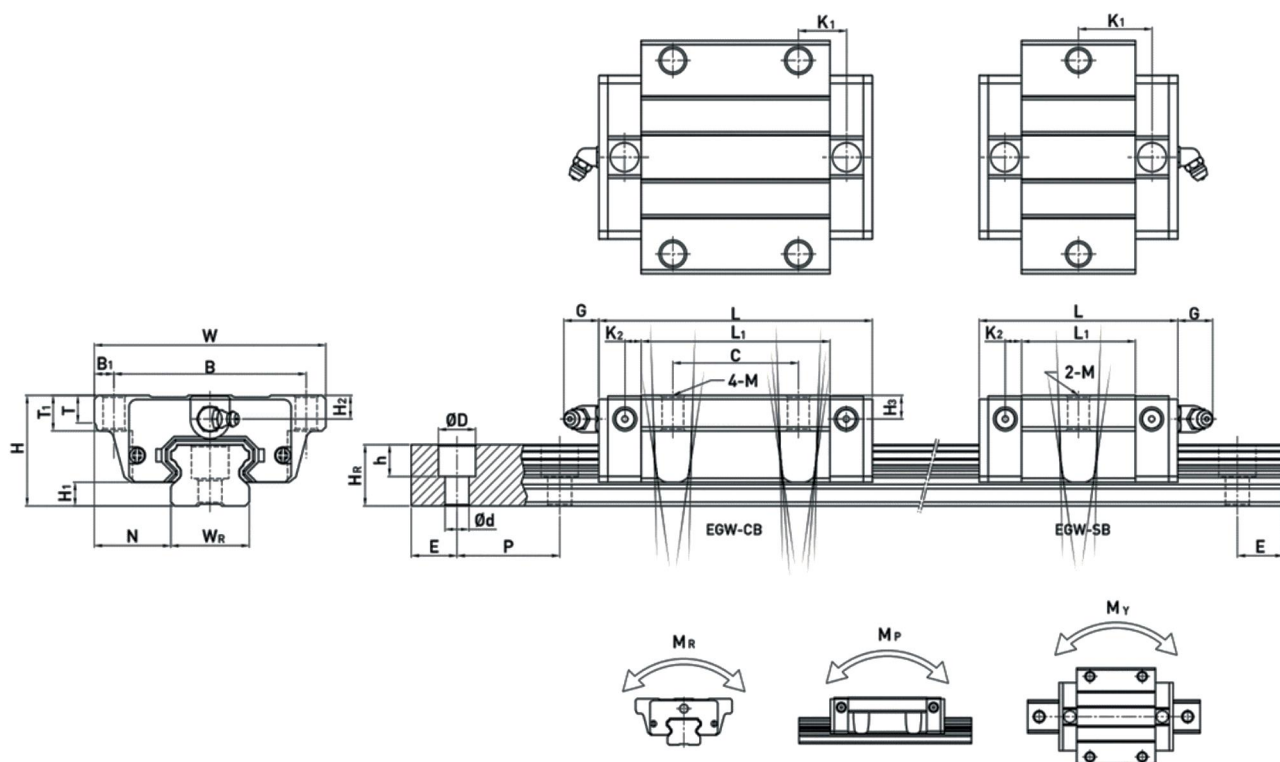
| 型号        | 组件尺寸<br>(mm) |                |      | 滑块尺寸 (mm) |    |                |    |                |      |                |                |     |     |     |                |                |                | 导轨尺寸 (mm)      |                |     |     |     |    |    |      |       |                     | 导轨的<br>固定螺<br>栓尺寸      | 基本<br>动额<br>定负荷        | 基本<br>静额<br>定负荷        | 容许静力矩    |            |      | 重量 |  |
|-----------|--------------|----------------|------|-----------|----|----------------|----|----------------|------|----------------|----------------|-----|-----|-----|----------------|----------------|----------------|----------------|----------------|-----|-----|-----|----|----|------|-------|---------------------|------------------------|------------------------|------------------------|----------|------------|------|----|--|
|           |              |                |      |           |    |                |    |                |      |                |                |     |     |     |                |                |                |                |                |     |     |     |    |    |      |       |                     |                        |                        |                        |          |            |      |    |  |
|           | H            | H <sub>1</sub> | N    | W         | B  | B <sub>1</sub> | C  | L <sub>1</sub> | L    | K <sub>1</sub> | K <sub>2</sub> | G   | M   | T   | T <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | W <sub>R</sub> | H <sub>R</sub> | D   | h   | d   | P  | E  | (mm) | C(kN) | C <sub>0</sub> (kN) | M <sub>R</sub><br>kN-m | M <sub>P</sub><br>kN-m | M <sub>Y</sub><br>kN-m | 滑块<br>kg | 导轨<br>kg/m |      |    |  |
| FGEW 15SA | 24           | 4.5            | 18.5 | 52        | 41 | 5.5            | -  | 23.1           | 40.1 | 14.8           | -              | -   | -   | -   | -              | -              | -              | -              | -              | -   | -   | -   | -  | -  | -    | M3x16 | 5.35                | 9.40                   | 0.08                   | 0.04                   | 0.04     | 0.12       | 1.25 |    |  |
| FGEW 15CA |              |                |      |           |    |                | 26 | 39.8           | 56.8 | 10.15          | 3.5            | 5.7 | M5  | 5   | 7              | 5.5            | 6              | 15             | 12.5           | 6   | 4.5 | 3.5 | 60 | 20 |      | 7.83  | 16.19               | 0.13                   | 0.10                   | 0.10                   | 0.21     |            |      |    |  |
| FGEW 20SA | 28           | 6              | 19.5 | 59        | 49 | 5              | -  | 29             | 50   | 18.75          | -              | -   | -   | -   | -              | -              | -              | -              | -              | -   | -   | -   | -  | -  | -    | M5x16 | 7.23                | 12.74                  | 0.13                   | 0.06                   | 0.06     | 0.19       | 2.08 |    |  |
| FGEW 20CA |              |                |      |           |    |                | 32 | 48.1           | 69.1 | 12.3           | 4.15           | 12  | M6  | 7   | 9              | 6              | 6              | 20             | 15.5           | 9.5 | 8.5 | 6   | 60 | 20 |      | 10.31 | 21.13               | 0.22                   | 0.16                   | 0.16                   | 0.32     |            |      |    |  |
| FGEW 25SA | 33           | 7              | 25   | 73        | 60 | 6.5            | -  | 35.5           | 59.1 | 21.9           | -              | -   | -   | -   | -              | -              | -              | -              | -              | -   | -   | -   | -  | -  | -    | M6x20 | 11.40               | 19.50                  | 0.23                   | 0.12                   | 0.12     | 0.35       | 2.67 |    |  |
| FGEW 25CA |              |                |      |           |    |                | 35 | 59             | 82.6 | 16.15          | 4.55           | 12  | M8  | 7.5 | 10             | 8              | 8              | 23             | 18             | 11  | 9   | 7   | 60 | 20 |      | 16.27 | 32.40               | 0.38                   | 0.32                   | 0.32                   | 0.59     |            |      |    |  |
| FGEW 30SA | 42           | 10             | 31   | 90        | 72 | 9              | -  | 41.5           | 69.5 | 26.75          | -              | -   | -   | -   | -              | -              | -              | -              | -              | -   | -   | -   | -  | -  | -    | M6x25 | 16.42               | 28.10                  | 0.40                   | 0.21                   | 0.21     | 0.62       | 4.35 |    |  |
| FGEW 30CA |              |                |      |           |    |                | 40 | 70.1           | 98.1 | 21.05          | 6              | 12  | M10 | 7   | 10             | 8              | 9              | 28             | 23             | 11  | 9   | 7   | 80 | 20 |      | 23.70 | 47.46               | 0.68                   | 0.55                   | 0.55                   | 1.04     |            |      |    |  |
| FGEW35SA  | 48           | 11             | 33   | 100       | 82 | 9              | -  | 45             | 75   | 28.5           | -              | -   | -   | -   | -              | -              | -              | -              | -              | -   | -   | -   | -  | -  | -    | M8x25 | 22.66               | 37.38                  | 0.56                   | 0.31                   | 0.31     | 0.84       | 6.14 |    |  |
| FGEW35CA  |              |                |      |           |    |                | 50 | 78             | 108  | 20             | 7              | 12  | M10 | 10  | 13             | 8.5            | 8.5            | 34             | 27.5           | 14  | 12  | 9   | 80 | 20 |      | 33.35 | 64.84               | 0.98                   | 0.69                   | 0.69                   | 1.45     |            |      |    |  |

注: 1kgf=9.81N

# FGE系列低组装型滚珠直线导轨

FGE series low assembly ball linear guide

(3)FGEW-SB/FGEW-CB



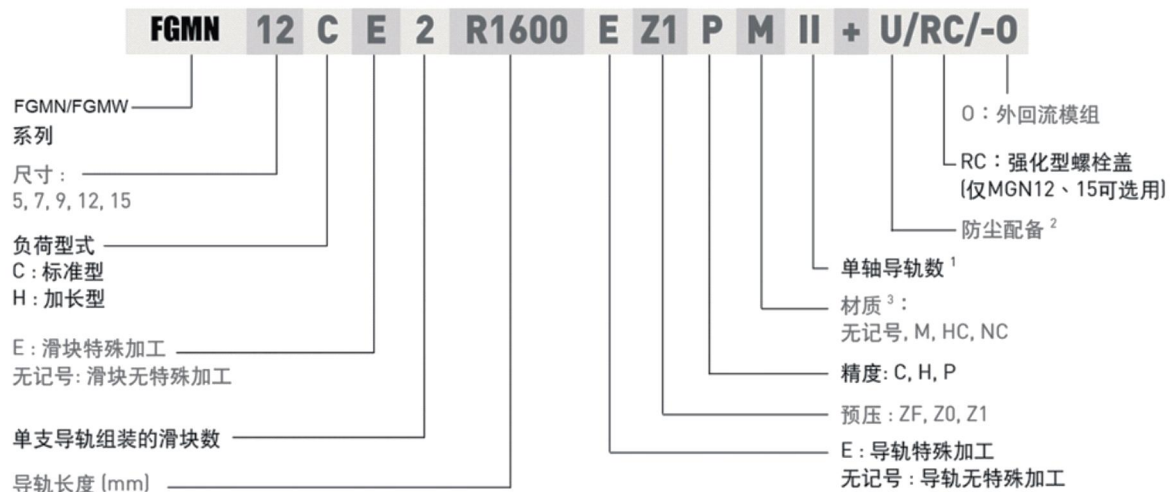
| 型号        | 组件尺寸<br>(mm) |                |      | 滑块尺寸 (mm) |    |                |    |                |      |                |                |     |      |     |                |                |                | 导轨尺寸 (mm)      |                |     |     |     |    |    |       | 导轨的<br>固定螺<br>栓尺寸 | 基本<br>动额<br>定负荷     | 基本<br>静额<br>定负荷 | 容许静力矩          |                |      | 重量   |  |  |
|-----------|--------------|----------------|------|-----------|----|----------------|----|----------------|------|----------------|----------------|-----|------|-----|----------------|----------------|----------------|----------------|----------------|-----|-----|-----|----|----|-------|-------------------|---------------------|-----------------|----------------|----------------|------|------|--|--|
|           |              |                |      |           |    |                |    |                |      |                |                |     |      |     |                |                |                |                |                |     |     |     |    |    |       |                   |                     |                 |                |                |      |      |  |  |
|           | H            | H <sub>1</sub> | N    | W         | B  | B <sub>1</sub> | C  | L <sub>1</sub> | L    | K <sub>1</sub> | K <sub>2</sub> | G   | M    | T   | T <sub>1</sub> | H <sub>2</sub> | H <sub>3</sub> | W <sub>R</sub> | H <sub>R</sub> | D   | h   | d   | P  | E  | (mm)  | C(kN)             | C <sub>0</sub> (kN) | M <sub>R</sub>  | M <sub>P</sub> | M <sub>Y</sub> | 滑块   | 导轨   |  |  |
|           |              |                |      |           |    |                |    |                |      |                |                |     |      |     |                |                |                |                |                |     |     |     |    |    |       |                   |                     |                 |                |                |      |      |  |  |
| FGEW 15SB | 24           | 4.5            | 18.5 | 52        | 41 | 5.5            | -  | 23.1           | 40.1 | 14.8           | 3.5            | 5.7 | Ø4.5 | 5   | 7              | 5.5            | 6              | 15             | 12.5           | 6   | 4.5 | 3.5 | 60 | 20 | M3x16 | 5.35              | 9.40                | 0.08            | 0.04           | 0.04           | 0.12 | 1.25 |  |  |
| FGEW 15CB |              |                |      |           |    |                | 26 | 39.8           | 56.8 | 10.15          |                |     |      |     |                |                |                |                |                |     |     |     |    |    |       |                   |                     |                 |                |                |      |      |  |  |
| FGEW 20SB | 28           | 6              | 19.5 | 59        | 49 | 5              | -  | 29             | 50   | 18.75          | 4.15           | 12  | Ø5.5 | 7   | 9              | 6              | 6              | 20             | 15.5           | 9.5 | 8.5 | 6   | 60 | 20 | M5x16 | 7.23              | 12.74               | 0.13            | 0.06           | 0.06           | 0.19 | 2.08 |  |  |
| FGEW 20CB |              |                |      |           |    |                | 32 | 48.1           | 69.1 | 12.3           |                |     |      |     |                |                |                |                |                |     |     |     |    |    |       |                   |                     |                 |                |                |      |      |  |  |
| FGEW 25SB | 33           | 7              | 25   | 73        | 60 | 6.5            | -  | 35.5           | 59.1 | 21.9           | 4.55           | 12  | Ø7   | 7.5 | 10             | 8              | 8              | 23             | 18             | 11  | 9   | 7   | 60 | 20 | M6x20 | 11.40             | 19.50               | 0.23            | 0.12           | 0.12           | 0.35 | 2.67 |  |  |
| FGEW 25CB |              |                |      |           |    |                | 35 | 59             | 82.6 | 16.15          |                |     |      |     |                |                |                |                |                |     |     |     |    |    |       |                   |                     |                 |                |                |      |      |  |  |
| FGEW 30SB | 42           | 10             | 31   | 90        | 72 | 9              | -  | 41.5           | 69.5 | 26.75          | 6              | 12  | Ø9   | 7   | 10             | 8              | 9              | 28             | 23             | 11  | 9   | 7   | 80 | 20 | M6x25 | 16.42             | 28.10               | 0.40            | 0.21           | 0.21           | 0.62 | 4.35 |  |  |
| FGEW 30CB |              |                |      |           |    |                | 40 | 70.1           | 98.1 | 21.05          |                |     |      |     |                |                |                |                |                |     |     |     |    |    |       |                   |                     |                 |                |                |      |      |  |  |
| FGEW 35SB | 48           | 11             | 33   | 100       | 82 | 9              | -  | 45             | 75   | 28.5           | 7              | 12  | Ø9   | 10  | 13             | 8.5            | 8.5            | 34             | 27.5           | 14  | 12  | 9   | 80 | 20 | M8x25 | 22.66             | 37.38               | 0.56            | 0.31           | 0.31           | 0.84 | 6.14 |  |  |
| FGEW 35CB |              |                |      |           |    |                | 50 | 78             | 108  | 20             |                |     |      |     |                |                |                |                |                |     |     |     |    |    |       |                   |                     |                 |                |                |      |      |  |  |

注: 1kgf=9.81N

# FGM系列微型滚珠直线导轨

FGM series miniature ball linear guide

## (1) 非互换性直线导轨产品型号



注: 1. 单轴导轨数若只使用一支导轨则不写, 两支标记为 II, 三支标记为 III, 以此类推。

2. MGN及MGW规格9,12,15可选用防尘片。

3. 无记号: 一般钢材材质

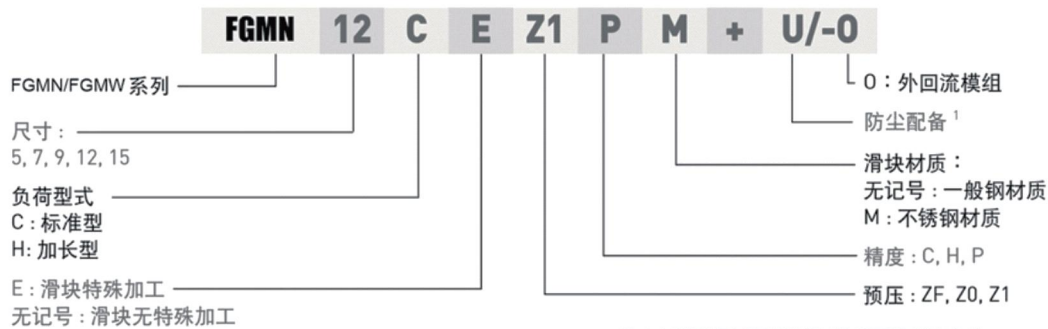
M: 不锈钢材质

HC: 一般钢材+镀硬铬

NC: 一般钢材+化学黑铬

## (2) 互换性直线导轨产品型号

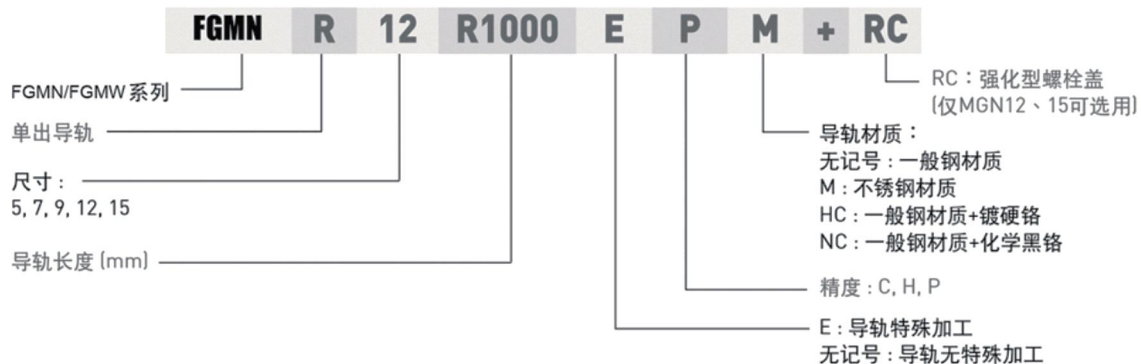
### ○ 单出滑块产品型号



注: 1. MGN及MGW规格9,12,15可选用防尘片。

2. MG5仅有外回流模组设计

### ○ 单出导轨产品型号



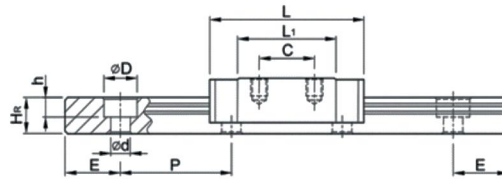
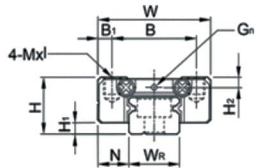
# FGM系列微型滚珠直线导轨

FGM series miniature ball linear guide

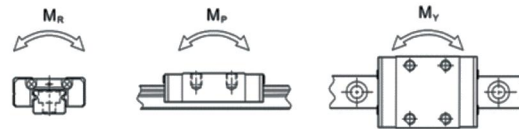
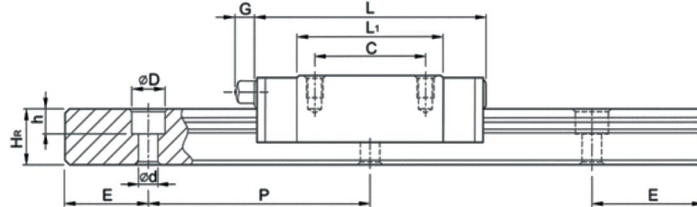
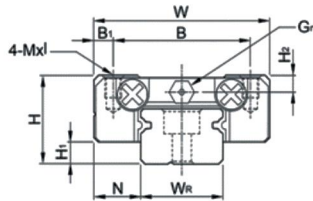
2-4-18 FGMN/FGMW 系列直线导轨尺寸表

(1)FGMN-C/FGMN-H

FGMN7,FGMN9,FGMN12



FGMN15



| 型号       | 组件尺寸<br>[mm] |                |     | 滑块尺寸 [mm] |    |                |    |                |      |     |                |        |                | 导轨尺寸 [mm]      |                |     |     |     |    |     |       |       |                     | 导轨的<br>固定螺栓<br>尺寸 | 基本<br>动额<br>定负荷 | 基本<br>静额<br>定负荷 | 容许静力矩          |                |                |    | 重量 |  |
|----------|--------------|----------------|-----|-----------|----|----------------|----|----------------|------|-----|----------------|--------|----------------|----------------|----------------|-----|-----|-----|----|-----|-------|-------|---------------------|-------------------|-----------------|-----------------|----------------|----------------|----------------|----|----|--|
|          |              |                |     |           |    |                |    |                |      |     |                |        |                |                |                |     |     |     |    |     |       |       |                     |                   |                 |                 | M <sub>R</sub> | M <sub>P</sub> | M <sub>Y</sub> | 滑块 | 导轨 |  |
|          | H            | H <sub>1</sub> | N   | W         | B  | B <sub>1</sub> | C  | L <sub>1</sub> | L    | G   | G <sub>n</sub> | Mx1    | H <sub>2</sub> | W <sub>R</sub> | H <sub>R</sub> | D   | h   | d   | P  | E   | [mm]  | C[kN] | C <sub>0</sub> [kN] | N-m               | N-m             | N-m             | kg             | kg/m           |                |    |    |  |
| FGMN 7C  | 8            | 1.5            | 5   | 17        | 12 | 2.5            | 8  | 13.5           | 22.5 | -   | Ø1.2           | M2x2.5 | 1.5            | 7              | 4.8            | 4.2 | 2.3 | 2.4 | 15 | 5   | M2x6  | 0.98  | 1.24                | 4.70              | 2.84            | 2.84            | 0.010          | 0.22           |                |    |    |  |
| FGMN 7H  |              |                |     |           |    |                | 13 | 21.8           | 30.8 |     |                |        |                |                |                |     |     |     |    |     |       | 1.37  | 1.96                | 7.64              | 4.80            | 4.80            | 0.015          |                |                |    |    |  |
| FGMN 9C  | 10           | 2              | 5.5 | 20        | 15 | 2.5            | 10 | 18.9           | 28.9 | -   | Ø1.4           | M3x3   | 1.8            | 9              | 6.5            | 6   | 3.5 | 3.5 | 20 | 7.5 | M3x8  | 1.86  | 2.55                | 11.76             | 7.35            | 7.35            | 0.016          | 0.38           |                |    |    |  |
| FGMN 9H  |              |                |     |           |    |                | 16 | 29.9           | 39.9 |     |                |        |                |                |                |     |     |     |    |     |       | 2.55  | 4.02                | 19.60             | 18.62           | 18.62           | 0.026          |                |                |    |    |  |
| FGMN 12C | 13           | 3              | 7.5 | 27        | 20 | 3.5            | 15 | 21.7           | 34.7 | -   | Ø2             | M3x3.5 | 2.5            | 12             | 8              | 6   | 4.5 | 3.5 | 25 | 10  | M3x8  | 2.84  | 3.92                | 25.48             | 13.72           | 13.72           | 0.034          | 0.65           |                |    |    |  |
| FGMN 12H |              |                |     |           |    |                | 20 | 32.4           | 45.4 |     |                |        |                |                |                |     |     |     |    |     |       | 3.72  | 5.88                | 38.22             | 36.26           | 36.26           | 0.054          |                |                |    |    |  |
| FGMN 15C | 16           | 4              | 8.5 | 32        | 25 | 3.5            | 20 | 26.7           | 42.1 | 4.5 | M3             | M3x4   | 3              | 15             | 10             | 6   | 4.5 | 3.5 | 40 | 15  | M3x10 | 4.61  | 5.59                | 45.08             | 21.56           | 21.56           | 0.059          | 1.06           |                |    |    |  |
| FGMN 15H |              |                |     |           |    |                | 25 | 43.4           | 58.8 |     |                |        |                |                |                |     |     |     |    |     |       | 6.37  | 9.11                | 73.50             | 57.82           | 57.82           | 0.092          |                |                |    |    |  |

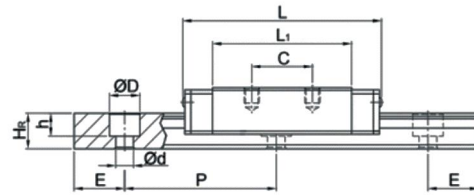
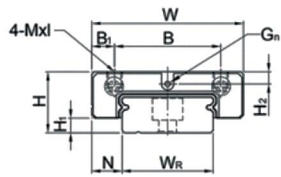
注: 1kgf=9.81N

# FGM系列微小型滚珠直线导轨

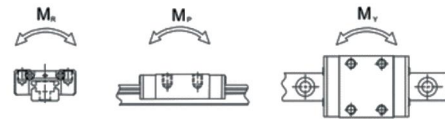
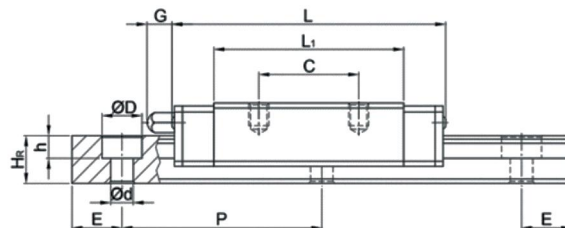
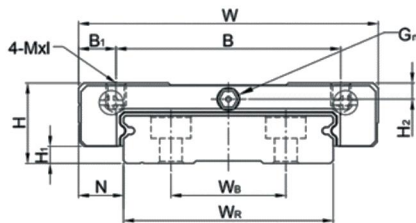
FGM series miniature ball linear guide

## (2)FGMW-C/FGMW-H

FGMW7,FGMW9,FGMW12



FGMW15



| 型号       | 组件尺寸<br>(mm) |                |     | 滑块尺寸 (mm) |    |                |     |                |      |     |                |        |                | 导轨尺寸 (mm)      |                |                |   |     |     |    |    |       |       | 导轨的<br>固定螺栓<br>尺寸   | 基本<br>动额<br>定负荷 | 基本<br>静额<br>定负荷 | 容许静力矩          |       |      | 重量    |  |
|----------|--------------|----------------|-----|-----------|----|----------------|-----|----------------|------|-----|----------------|--------|----------------|----------------|----------------|----------------|---|-----|-----|----|----|-------|-------|---------------------|-----------------|-----------------|----------------|-------|------|-------|--|
|          |              |                |     |           |    |                |     |                |      |     |                |        |                |                |                |                |   |     |     |    |    |       |       |                     |                 |                 |                |       |      |       |  |
|          | H            | H <sub>1</sub> | N   | W         | B  | B <sub>1</sub> | C   | L <sub>1</sub> | L    | G   | G <sub>n</sub> | MxL    | H <sub>2</sub> | W <sub>R</sub> | W <sub>B</sub> | H <sub>R</sub> | D | h   | d   | P  | E  | (mm)  | C(kN) | C <sub>0</sub> (kN) | M <sub>R</sub>  | M <sub>P</sub>  | M <sub>V</sub> | 滑块    | 导轨   |       |  |
|          |              |                |     |           |    |                |     |                |      |     |                |        |                |                |                |                |   |     |     |    |    |       |       |                     |                 | N-m             | N-m            | N-m   | kg   | kg/m  |  |
| FGMW 7C  | 9            | 1.9            | 5.5 | 25        | 19 | 3              | 10  | 21             | 31.2 | -   | Ø1.2           | M3x3   | 1.85           | 14             | -              | 5.2            | 6 | 3.2 | 3.5 | 30 | 10 | M3x6  | 1.37  | 2.06                | 15.70           | 7.14            | 7.14           | 0.020 | 0.51 |       |  |
| FGMW 7H  |              |                |     |           |    |                | 19  | 30.8           | 41   |     |                |        |                |                |                |                |   |     |     |    |    |       | 1.77  | 3.14                | 23.45           | 15.53           | 15.53          | 0.029 |      |       |  |
| FGMW 9C  | 12           | 2.9            | 6   | 30        | 21 | 4.5            | 12  | 27.5           | 39.3 | -   | Ø1.2           | M3x3   | 2.4            | 18             | -              | 7              | 6 | 4.5 | 3.5 | 30 | 10 | M3x8  | 2.75  | 4.12                | 40.12           | 18.96           | 18.96          | 0.040 | 0.91 |       |  |
| FGMW 9H  |              |                |     |           |    | 23             | 3.5 | 24             | 38.5 |     |                |        |                |                |                |                |   |     |     |    |    |       | 50.7  | 3.43                | 5.89            | 54.54           | 34.00          | 34.00 |      | 0.057 |  |
| FGMW 12C | 14           | 3.4            | 8   | 40        | 28 | 6              | 15  | 31.3           | 46.1 | -   | Ø1.2           | M3x3.6 | 2.8            | 24             | -              | 8.5            | 8 | 4.5 | 4.5 | 40 | 15 | M4x8  | 3.92  | 5.59                | 70.34           | 27.80           | 27.80          | 0.071 | 1.49 |       |  |
| FGMW 12H |              |                |     |           |    |                | 28  | 45.6           | 60.4 |     |                |        |                |                |                |                |   |     |     |    |    |       | 5.10  | 8.24                | 102.70          | 57.37           | 57.37          | 0.103 |      |       |  |
| FGMW 15C | 16           | 3.4            | 9   | 60        | 45 | 7.5            | 20  | 38             | 54.8 | 5.2 | M3             | M4x4.2 | 3.2            | 42             | 23             | 9.5            | 8 | 4.5 | 4.5 | 40 | 15 | M4x10 | 6.77  | 9.22                | 199.34          | 56.66           | 56.66          | 0.143 | 2.86 |       |  |
| FGMW 15H |              |                |     |           |    |                | 35  | 57             | 73.8 |     |                |        |                |                |                |                |   |     |     |    |    |       | 8.93  | 13.38               | 299.01          | 122.60          | 122.60         | 0.215 |      |       |  |

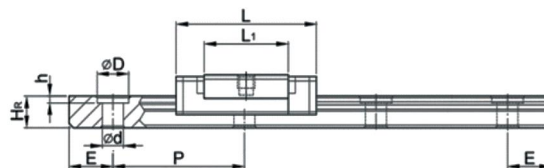
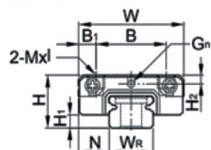
注: 1kgf=9.81N

# FGM系列微型滚珠直线导轨

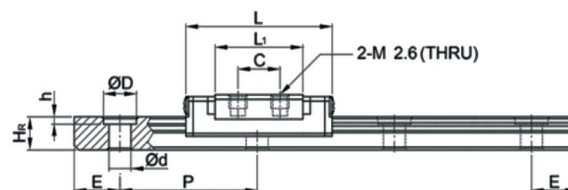
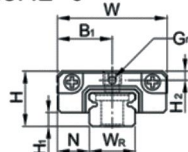
FGM series miniature ball linear guide

(3)FGMN-C-0/FGMN-H-0

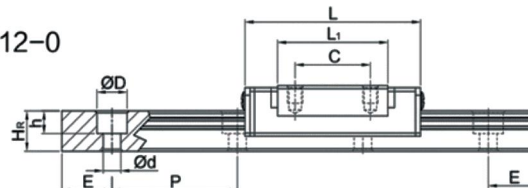
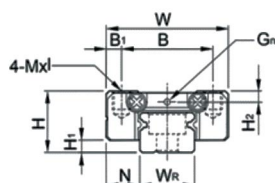
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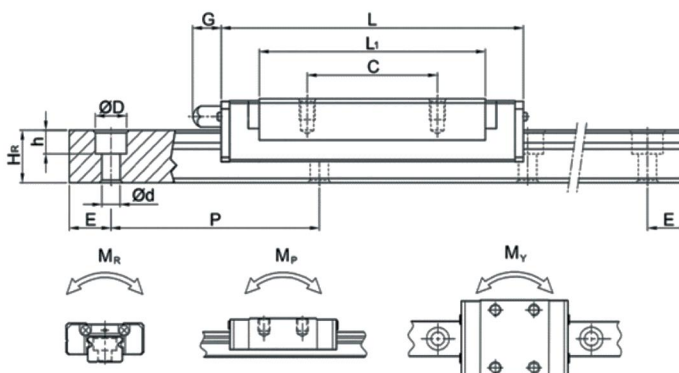
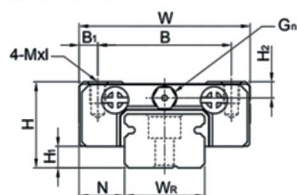
FGMN5HL-0



FGMN7-0, FGMN9-0, FGMN12-0



FGMN15-0



| 型号         | 组件尺寸<br>(mm) |                |     | 滑块尺寸 (mm) |    |                |    |                |      |      |                |           |                | 导轨尺寸 (mm)      |                |     |     |     |    |     |       |       |                     | 导轨的<br>固定螺栓<br>尺寸 | 基本<br>动额<br>定负荷 | 基本<br>静额<br>定负荷 | 容许静力矩                 |                       |                       | 重量       |            |
|------------|--------------|----------------|-----|-----------|----|----------------|----|----------------|------|------|----------------|-----------|----------------|----------------|----------------|-----|-----|-----|----|-----|-------|-------|---------------------|-------------------|-----------------|-----------------|-----------------------|-----------------------|-----------------------|----------|------------|
|            | H            | H <sub>1</sub> | N   | W         | B  | B <sub>1</sub> | C  | L <sub>1</sub> | L    | G    | G <sub>s</sub> | MxL       | H <sub>2</sub> | W <sub>R</sub> | H <sub>R</sub> | D   | h   | d   | P  | E   | (mm)  | C(kN) | C <sub>0</sub> (kN) |                   |                 |                 | M <sub>R</sub><br>N-m | M <sub>P</sub><br>N-m | M <sub>Y</sub><br>N-m | 滑块<br>kg | 导轨<br>kg/m |
| FGMN 5C-0  |              |                |     |           | 8  | 2              | -  | 9.6            | 16   |      |                | M2x1.5    |                |                |                |     |     |     |    |     |       | 0.54  | 0.84                | 2                 | 1.3             | 1.3             | 0.003                 |                       |                       |          |            |
| FGMN 5H-0  | 6            | 1.5            | 3.5 | 12        | 8  | 2              | -  | 12.6           | 19   | -    | 0.8            | M2x1.5    | 1              | 5              | 3.6            | 3.6 | 0.8 | 2.4 | 15 | 5   | M2x6  | 0.67  | 1.08                | 2.6               | 2.3             | 2.3             | 0.004                 | 0.15                  |                       |          |            |
| FGMN 5HL-0 |              |                |     |           | -  | 6              | 7  | 12.6           | 19   |      |                | M2.6-THRU |                |                |                |     |     |     |    |     |       | 0.67  | 1.08                | 2.6               | 2.3             | 2.3             | 0.004                 |                       |                       |          |            |
| FGMN 7C-0  |              |                |     |           | 12 | 2.5            | 8  | 13.5           | 22.5 |      |                | M2x2.5    |                |                |                |     |     |     |    |     |       | 0.98  | 1.24                | 4.70              | 2.84            | 2.84            | 0.008                 |                       |                       |          |            |
| FGMN 7H-0  | 8            | 1.5            | 5   | 17        | 12 | 2.5            | 13 | 21.8           | 30.8 | -    | Ø1.2           | M2x2.5    | 1.5            | 7              | 4.8            | 4.2 | 2.3 | 2.4 | 15 | 5   | M2x6  | 1.37  | 1.96                | 7.64              | 4.80            | 4.80            | 0.012                 | 0.22                  |                       |          |            |
| FGMN 9C-0  |              |                |     |           | 15 | 2.5            | 10 | 19.4           | 30   |      |                | M3x3      |                |                |                |     |     |     |    |     |       | 2.01  | 2.84                | 13.05             | 8.97            | 8.97            | 0.012                 |                       |                       |          |            |
| FGMN 9H-0  | 10           | 2.2            | 5.5 | 20        | 15 | 2.5            | 16 | 29.3           | 39.9 | -    | Ø1.4           | M3x3      | 1.8            | 9              | 6.5            | 6   | 3.5 | 3.5 | 20 | 7.5 | M3x8  | 2.5   | 3.93                | 19.71             | 21.47           | 21.47           | 0.02                  | 0.38                  |                       |          |            |
| FGMN 12C-0 |              |                |     |           | 20 | 3.5            | 15 | 22             | 35   |      |                | M3x3.5    |                |                |                |     |     |     |    |     |       | 2.84  | 3.92                | 25.48             | 13.72           | 13.72           | 0.025                 |                       |                       |          |            |
| FGMN 12H-0 | 13           | 3              | 7.5 | 27        | 20 | 3.5            | 20 | 34.6           | 47.6 | -    | Ø2             | M3x3.5    | 2.5            | 12             | 8              | 6   | 4.5 | 3.5 | 25 | 10  | M3x8  | 4.27  | 5.9                 | 38.4              | 37.49           | 37.49           | 0.047                 | 0.65                  |                       |          |            |
| FGMN 15C-0 |              |                |     |           | 25 | 3.5            | 20 | 26.7           | 41.3 |      |                | M3x4      |                |                |                |     |     |     |    |     |       | 4.61  | 5.59                | 45.08             | 21.56           | 21.56           | 0.057                 |                       |                       |          |            |
| FGMN 15H-0 | 16           | 4              | 8.5 | 32        | 25 | 3.5            | 25 | 43.4           | 58   | 4.50 | M3             | M3x4      | 3              | 15             | 10             | 6   | 4.5 | 3.5 | 40 | 15  | M3x10 | 6.37  | 9.11                | 73.5              | 57.82           | 57.82           | 0.088                 | 1.06                  |                       |          |            |

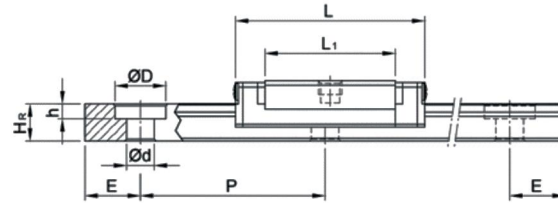
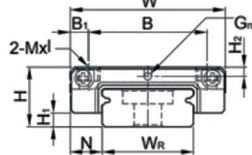
注: 1kgf=9.81N

# FGM系列微型滚珠直线导轨

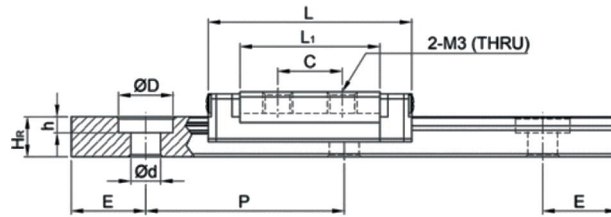
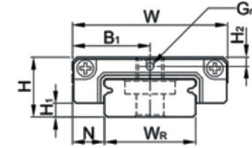
FGM series miniature ball linear guide

(4)FGMW-C-0/FGMW-H-0

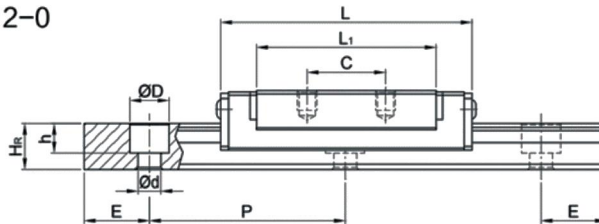
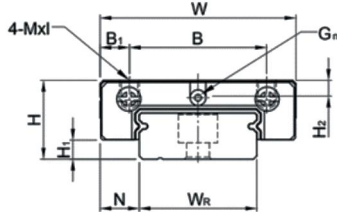
FGMW5C-0



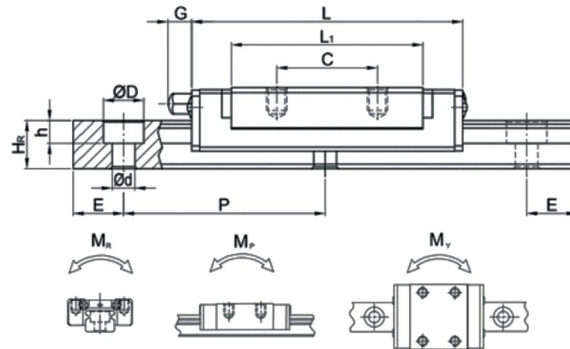
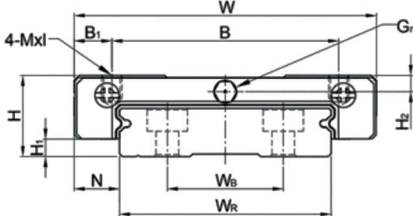
FGMW5CL-0



FGMW7-0, FGMW9-0, FGMW12-0



FGMW15-0



| 型号        | 组件尺寸<br>(mm) |                |     | 滑块尺寸 (mm) |    |                |    |                |      |     |                |          |                | 导轨尺寸 (mm)      |                |                |     |     |     |    |    |        |       | 导轨的<br>固定螺栓<br>尺寸   | 基本<br>动额定<br>负荷 | 基本<br>静额定<br>负荷 | 容许静力矩          |       |      | 重量 |  |
|-----------|--------------|----------------|-----|-----------|----|----------------|----|----------------|------|-----|----------------|----------|----------------|----------------|----------------|----------------|-----|-----|-----|----|----|--------|-------|---------------------|-----------------|-----------------|----------------|-------|------|----|--|
|           |              |                |     |           |    |                |    |                |      |     |                |          |                |                |                |                |     |     |     |    |    |        |       |                     |                 |                 |                |       |      |    |  |
|           | H            | H <sub>1</sub> | N   | W         | B  | B <sub>1</sub> | C  | L <sub>1</sub> | L    | G   | G <sub>a</sub> | MxL      | H <sub>2</sub> | W <sub>R</sub> | W <sub>B</sub> | H <sub>R</sub> | D   | h   | d   | P  | E  | (mm)   | C(kN) | C <sub>0</sub> (kN) | M <sub>R</sub>  | M <sub>P</sub>  | M <sub>V</sub> | 滑块    | 导轨   |    |  |
|           |              |                |     |           |    |                |    |                |      |     |                |          |                |                |                |                |     |     |     |    |    |        |       |                     |                 |                 |                |       |      |    |  |
| FGMW5C-0  | 6.5          | 1.5            | 3.5 | 17        | 13 | 2              | -  | 14.1           | 20.5 | -   | Ø0.8           | M2.5x1.5 | 1              | 10             | -              | 4              | 5.5 | 1.6 | 3   | 20 | 5  | M2.5X7 | 0.68  | 1.18                | 5.5             | 2.7             | 2.7            | 0.006 | 0.34 |    |  |
| FGMW5CL-0 |              |                |     |           |    |                |    |                |      |     |                |          |                |                |                |                |     |     |     |    |    |        |       |                     |                 |                 |                |       |      |    |  |
| FGMW7C-0  | 9            | 1.9            | 5.5 | 25        | 19 | 3              | 10 | 21             | 31.2 | -   | Ø1.2           | M3x3     | 1.85           | 14             | -              | 5.2            | 6   | 3.2 | 3.5 | 30 | 10 | M3x6   | 1.37  | 2.06                | 15.70           | 7.14            | 7.14           | 0.018 | 0.51 |    |  |
| FGMW7H-0  |              |                |     |           |    |                |    |                |      |     |                |          |                |                |                |                |     |     |     |    |    |        |       |                     |                 |                 |                |       |      |    |  |
| FGMW9C-0  | 12           | 2.95           | 6   | 30        | 21 | 4.5            | 12 | 27.5           | 39.7 | -   | Ø1.2           | M3x3     | 2.65           | 18             | -              | 7              | 6   | 4.5 | 3.5 | 30 | 10 | M3x8   | 2.75  | 4.12                | 40.12           | 18.96           | 18.96          | 0.038 | 0.91 |    |  |
| FGMW9H-0  |              |                |     |           |    |                |    |                |      |     |                |          |                |                |                |                |     |     |     |    |    |        |       |                     |                 |                 |                |       |      |    |  |
| FGMW12C-0 | 14           | 3.45           | 8   | 40        | 28 | 6              | 15 | 31.3           | 45.1 | -   | Ø1.2           | M3x3.6   | 2.8            | 24             | -              | 8.5            | 8   | 4.5 | 4.5 | 40 | 15 | M4x8   | 3.92  | 5.59                | 70.34           | 27.8            | 27.8           | 0.066 | 1.49 |    |  |
| FGMW12H-0 |              |                |     |           |    |                |    |                |      |     |                |          |                |                |                |                |     |     |     |    |    |        |       |                     |                 |                 |                |       |      |    |  |
| FGMW15C-0 | 16           | 3.45           | 9   | 60        | 45 | 7.5            | 20 | 38             | 53.8 | 5.2 | M3             | M4x4.2   | 3.2            | 42             | 23             | 9.5            | 8   | 4.5 | 4.5 | 40 | 15 | M4x10  | 6.77  | 9.22                | 199.34          | 56.66           | 56.66          | 0.138 | 2.86 |    |  |
| FGMW15H-0 |              |                |     |           |    |                |    |                |      |     |                |          |                |                |                |                |     |     |     |    |    |        |       |                     |                 |                 |                |       |      |    |  |

注: 1kgf=9.81N

# 单轴机器人 Single Axis Robot

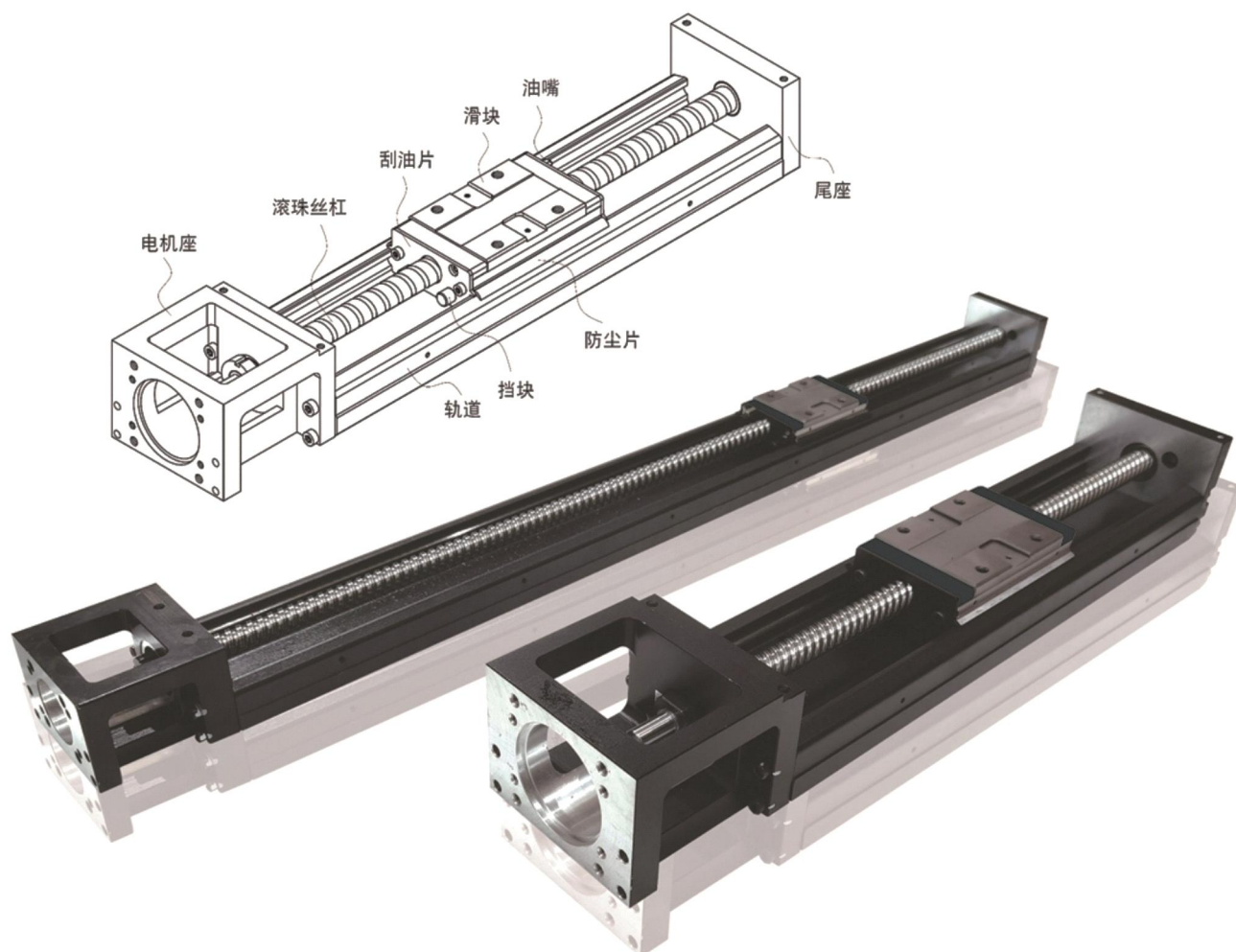
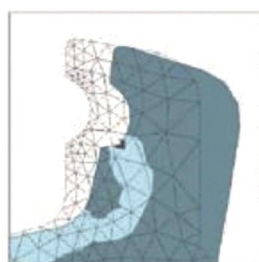
FKK单轴机器人主要是透过模组化之设计，将滚珠丝杠和直线导轨整合在一起，因此可提供具有高精度、快速安装、选用、高刚性、体积小、节省空间等特性。

借由高精度之滚珠丝杠做为传动机构，以及配合最佳化设计之U型轨道做为导引机构，来确保精度与刚性之需求。

## 1.1特性

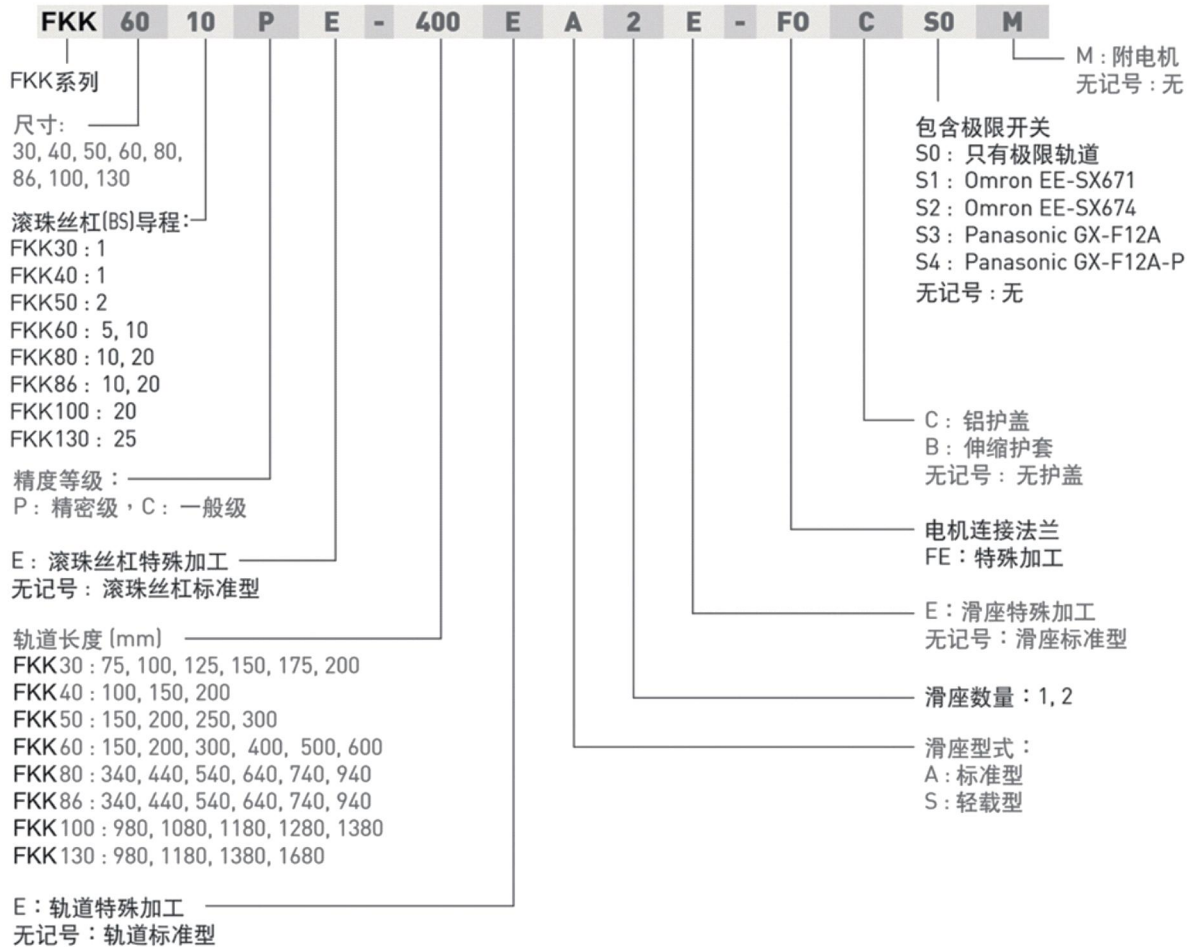
- 设计及安装容易
- 体积小重量轻
- 高精度
- 高刚性
- 配备齐全
- 最适化设计

轨道结构由有限元素分析，得到最好刚性与重量，分析如右图所示：



# FKK型单轴机器人 FKK type single axis robot

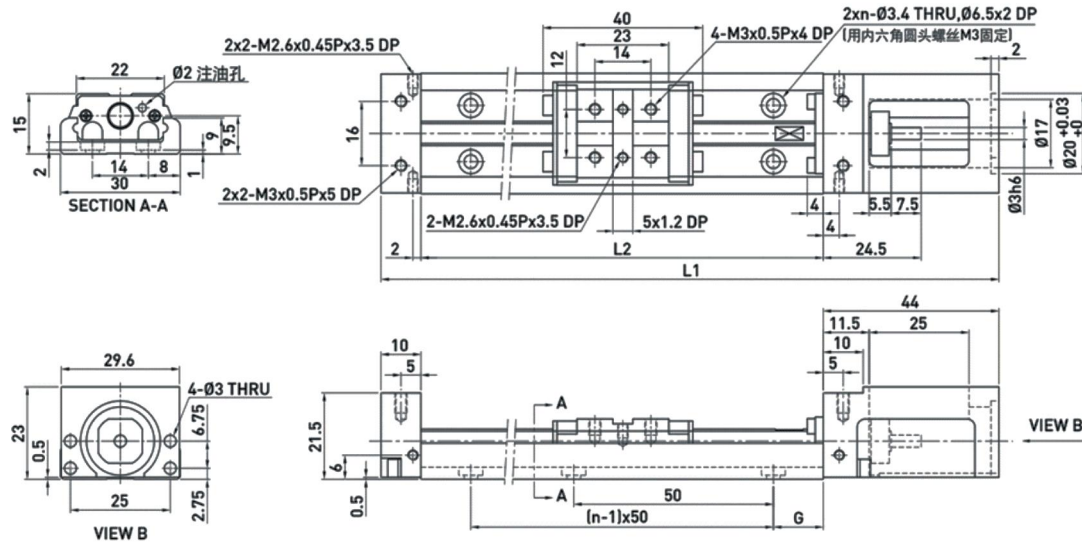
## 1.3 产品型号



# FKK型单轴机器人 FKK type single axis robot

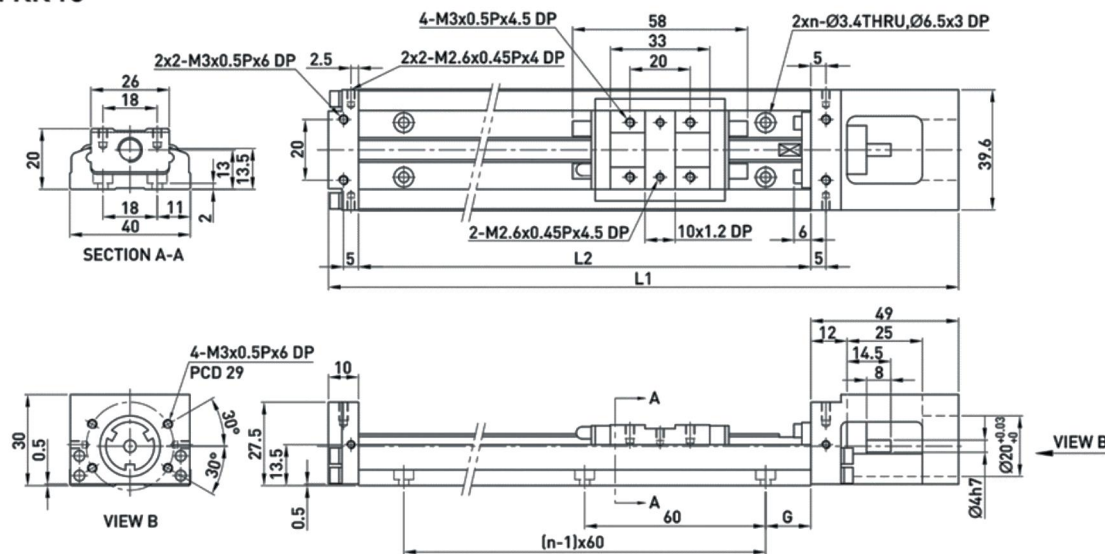
## 1.9.1 不含护盖

### FKK30



| 轨道长度<br>L2 (mm) | 全长<br>L1 (mm) | 最大行程 (mm) |       | G (mm) | n | 重量 (kg) |       |
|-----------------|---------------|-----------|-------|--------|---|---------|-------|
|                 |               | A1 滑座     | A2 滑座 |        |   | A1 滑座   | A2 滑座 |
| 75              | 129           | 31        | -     | 12.5   | 2 | 0.2     | -     |
| 100             | 154           | 56        | -     | 25     | 2 | 0.23    | -     |
| 125             | 179           | 81        | 45    | 12.5   | 3 | 0.26    | 0.3   |
| 150             | 204           | 106       | 70    | 25     | 3 | 0.29    | 0.33  |
| 175             | 229           | 131       | 95    | 12.5   | 4 | 0.32    | 0.36  |
| 200             | 254           | 156       | 120   | 25     | 4 | 0.35    | 0.39  |

### FKK40



| 轨道长度<br>L2 (mm) | 全长<br>L1 (mm) | 最大行程 (mm) |       | G (mm) | n | 重量 (kg) |       |
|-----------------|---------------|-----------|-------|--------|---|---------|-------|
|                 |               | A1 滑座     | A2 滑座 |        |   | A1 滑座   | A2 滑座 |
| 100             | 159           | 36        | -     | 20     | 2 | 0.48    | -     |
| 150             | 209           | 86        | 34    | 15     | 3 | 0.6     | 0.67  |
| 200             | 259           | 136       | 84    | 40     | 3 | 0.72    | 0.79  |



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