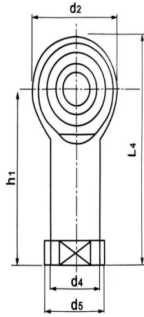
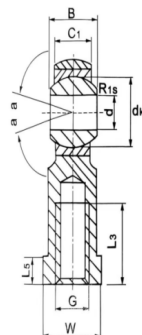




## 内螺纹组装型自润杆端关节轴承系列

Self-lubricating rod end bearings female  
thread steel on ptee-metallic fabric  
maintenance free series



SI...T/K

| 轴承型号<br>Bearings<br>number | 尺寸Dimensions(mm) |    |        |           |           |          |     |           |           |     |    |      |    |            |         | 动负荷<br>Load ratings<br>kN/Dynamic | 静负荷<br>Load ratings<br>kN/Static | 重量<br>Weight<br>≈KG |
|----------------------------|------------------|----|--------|-----------|-----------|----------|-----|-----------|-----------|-----|----|------|----|------------|---------|-----------------------------------|----------------------------------|---------------------|
|                            | d                | B  | dk     | C1<br>max | d2<br>max | G<br>6H  | h1  | L3<br>min | L4<br>max | L5  | W  | d4   | d5 | r1s<br>min | a°<br>≈ |                                   |                                  |                     |
| SI5T/K                     | 5                | 8  | 11.11  | 6         | 18        | M5×0.8   | 27  | 10        | 36        | 4   | 9  | 8.5  | 11 | 0.3        | 13      | 5.7                               | 6                                | 0.016               |
| SI6T/K                     | 6                | 9  | 12.7   | 6.75      | 20        | M6×1.0   | 30  | 12        | 40        | 5   | 11 | 10   | 13 | 0.3        | 13      | 7.2                               | 7.65                             | 0.022               |
| SI8T/K                     | 8                | 12 | 15.875 | 9         | 24        | M8×1.25  | 36  | 16        | 48        | 5   | 14 | 12.5 | 16 | 0.3        | 14      | 11.6                              | 12.9                             | 0.047               |
| SI10T/K                    | 10               | 14 | 19.05  | 10.5      | 28        | M10×1.5  | 43  | 20        | 57        | 6.5 | 17 | 15   | 19 | 0.3        | 13      | 14.5                              | 18                               | 0.077               |
| SI10T/K-1                  | 10               | 14 | 19.05  | 10.5      | 28        | M10×1.25 | 43  | 20        | 57        | 6.5 | 17 | 15   | 19 | 0.3        | 13      | 14.5                              | 18                               | 0.077               |
| SI12T/K                    | 12               | 16 | 22.225 | 12        | 32        | M12×1.75 | 50  | 22        | 66        | 6.5 | 19 | 17.5 | 22 | 0.3        | 13      | 17                                | 24                               | 0.100               |
| SI12T/K-1                  | 12               | 16 | 22.225 | 12        | 32        | M12×1.25 | 50  | 22        | 66        | 6.5 | 19 | 17.5 | 22 | 0.3        | 13      | 17                                | 24                               | 0.100               |
| SI14T/K                    | 14               | 19 | 25.4   | 14        | 36        | M14×2.0  | 57  | 25        | 75        | 8   | 22 | 20   | 25 | 0.3        | 16      | 24                                | 31                               | 0.160               |
| SI14T/K-1                  | 14               | 19 | 25.4   | 13.5      | 36        | M14×1.5  | 57  | 25        | 75        | 8   | 22 | 20   | 25 | 0.3        | 16      | 24                                | 31                               | 0.160               |
| SI16T/K                    | 16               | 21 | 28.575 | 15        | 42        | M16×2.0  | 64  | 28        | 85        | 8   | 22 | 22   | 27 | 0.3        | 15      | 28.5                              | 39                               | 0.220               |
| SI16T/K-1                  | 16               | 21 | 28.575 | 15        | 42        | M16×1.5  | 64  | 28        | 85        | 8   | 22 | 22   | 27 | 0.3        | 15      | 28.5                              | 39                               | 0.220               |
| SI18T/K                    | 18               | 23 | 31.75  | 16.5      | 46        | M18×1.5  | 71  | 32        | 93        | 10  | 27 | 25   | 31 | 0.3        | 15      | 42.5                              | 47.5                             | 0.320               |
| SI20T/K                    | 20               | 25 | 34.925 | 18        | 50        | M20×1.5  | 77  | 33        | 102       | 10  | 30 | 27.5 | 34 | 0.3        | 14      | 42.5                              | 57                               | 0.420               |
| SI22T/K                    | 22               | 28 | 38.1   | 20        | 54        | M22×1.5  | 84  | 37        | 111       | 12  | 32 | 30   | 38 | 0.3        | 15      | 57                                | 68                               | 0.540               |
| SI25T/K                    | 25               | 31 | 42.85  | 22        | 60        | M24×2    | 94  | 42        | 124       | 12  | 36 | 33.5 | 42 | 0.3        | 15      | 68                                | 85                               | 0.720               |
| SI28T/K                    | 28               | 35 | 47.6   | 24        | 66        | M27×2    | 103 | 51        | 136       | 14  | 41 | 37   | 46 | 0.3        | 15      | 86                                | 107                              | 0.820               |
| SI30T/K                    | 30               | 37 | 50.8   | 25        | 70        | M30×2    | 110 | 51        | 145       | 15  | 41 | 40   | 50 | 0.3        | 17      | 88                                | 114                              | 1.100               |
| SI30T/K-1                  | 30               | 37 | 50.8   | 25        | 70        | M27×2    | 110 | 51        | 145       | 15  | 41 | 40   | 50 | 0.3        | 17      | 88                                | 114                              | 1.100               |
| SI35T/K                    | 35               | 43 | 57.1   | 28        | 81        | M36×2    | 125 | 56        | 165.5     | 17  | 50 | 46   | 58 | 0.3        | 16      |                                   |                                  | 1.600               |
| SI40T/K                    | 40               | 49 | 66.6   | 33        | 91        | M42×2    | 142 | 60        | 187.5     | 19  | 55 | 53   | 65 | 1.0        | 17      |                                   |                                  | 2.400               |
| SI50T/K                    | 50               | 60 | 82.5   | 45        | 117       | M48×2    | 160 | 65        | 218.5     | 23  | 65 | 65   | 75 | 1.0        | 12      |                                   |                                  | 5.000               |

● For left-hand thread, suffix "L" is added to bearing number and thread sign, e.g. SI120T/K

若是左旋螺纹，轴承型号和螺纹标记需加“L”或左，例如：SI120T/K

● Sliding contact surfaces: Steel/PTFE composite material

动磨擦副：钢对PTFE复合材料

● Design and application features: Rod end of steel and zinc coated, with male or female thread; outer ring of bronze, with sliding surface of PTFE composite material, maintenance-free; inner ring of carbon chromium steel, spherical surface with chromium plating, it has characteristics of large load capability, easy mounting and dismounting and mechanism simplification.

设计结构特点：杆端体材料为碳钢，镀环保白锌垫圈材料为铜内圈(钢球)材料为轴承钢，淬火，球面镀硬铬

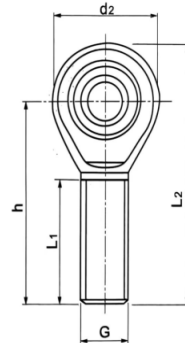
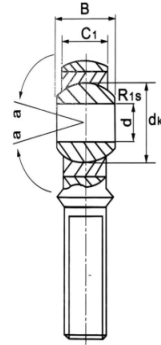
● It is similar in size to the PHS series but different in lubrication method, so this series is recommended. It can be manufactured with stainless steel, and when placing an order, add "S" before the model number.

与PHS系列尺寸相近，润滑方式不同，推荐用本系列产品可以用不锈钢制造订货时在型号前加"S"



## 外螺纹组装型自润滑杆端关节轴承系列

Self-lubricating rod end bearings male  
thread steel on ptee-metallic fabric  
maintenance free series



SA...T/K

| 轴承型号<br>Bearings<br>number | 尺寸Dimensions(mm) |    |        |           |           |          |     |           |           |            |         | 动负荷<br>Load ratings<br>kN/Dynamic | 静负荷<br>Load ratings<br>kN/Static | 重量<br>Weight<br>≈KG |
|----------------------------|------------------|----|--------|-----------|-----------|----------|-----|-----------|-----------|------------|---------|-----------------------------------|----------------------------------|---------------------|
|                            | d                | B  | dk     | C1<br>max | d2<br>max | G<br>6H  | h   | L1<br>min | L2<br>max | r1s<br>min | a°<br>≈ |                                   |                                  |                     |
| SA5T/K                     | 5                | 8  | 1.11   | 6         | 18        | M5×0.8   | 33  | 19        | 42        | 0.3        | 13      | 5.7                               | 6.0                              | 0.013               |
| SA6T/K                     | 6                | 9  | 12.7   | 6.75      | 20        | M6×1.0   | 36  | 21        | 46        | 0.3        | 13      | 7.2                               | 7.65                             | 0.02                |
| SA8T/K                     | 8                | 12 | 15.875 | 9         | 24        | M8×1.25  | 42  | 25        | 54        | 0.3        | 14      | 11.6                              | 12.9                             | 0.038               |
| SA10T/K                    | 10               | 14 | 19.05  | 10.5      | 28        | M10×1.5  | 48  | 28        | 62        | 0.3        | 13      | 14.5                              | 18.0                             | 0.055               |
| SA12T/K                    | 12               | 16 | 22.225 | 12        | 32        | M12×1.75 | 54  | 32        | 70        | 0.3        | 13      | 17                                | 24                               | 0.85                |
| SA14T/K                    | 14               | 19 | 25.4   | 13.5      | 36        | M14×2.0  | 60  | 36        | 78        | 0.3        | 16      | 24                                | 31                               | 0.14                |
| SA16T/K                    | 16               | 21 | 28.575 | 15        | 42        | M16×2.0  | 66  | 37        | 87        | 0.3        | 15      | 28.5                              | 39                               | 0.21                |
| SA18T/K                    | 18               | 23 | 31.75  | 16.5      | 46        | M18×1.5  | 72  | 41        | 94        | 0.3        | 15      | 42.5                              | 47.5                             | 0.29                |
| SA20T/K                    | 20               | 25 | 34.925 | 18        | 50        | M20×1.5  | 78  | 45        | 103       | 0.3        | 14      | 42.5                              | 57                               | 0.38                |
| SA22T/K                    | 22               | 28 | 38.1   | 20        | 54        | M22×1.5  | 84  | 48        | 111       | 0.3        | 15      | 57                                | 68                               | 0.48                |
| SA25T/K                    | 25               | 31 | 42.85  | 22        | 60        | M24×2    | 94  | 55        | 124       | 0.3        | 15      | 68                                | 85                               | 0.64                |
| SA28T/K                    | 28               | 35 | 47.6   | 24        | 66        | M27×2    | 103 | 62        | 136       | 0.3        | 15      | 86                                | 107                              | 0.8                 |
| SA30T/K                    | 30               | 37 | 50.8   | 25        | 70        | M30×2    | 110 | 66        | 145       | 0.3        | 17      | 88                                | 114                              | 1.1                 |
| SA35T/K                    | 35               | 43 | 57.1   | 28        | 81        | M36×2    | 140 | 85        | 180.5     | 0.3        | 16      |                                   |                                  | 1.64                |
| SA40T/K                    | 40               | 49 | 66.6   | 33        | 91        | M42×2    | 150 | 90        | 195.5     | 1.0        | 17      |                                   |                                  | 2.4                 |
| SA50T/K                    | 50               | 60 | 82.5   | 45        | 117       | M48×2    | 185 | 105       | 243.5     | 1.0        | 12      |                                   |                                  | 4.8                 |

● For left-hand thread, suffix "L" is added to bearing number and thread sign, e.g. SIL20T/K

若是左旋螺纹，轴承型号和螺纹标记需加“L”或左，例如：SIL20T/K

● Sliding contact surfaces: Steel/PTFE composite material

钢对PTFE复合材料

● Design and application features: Rod end of steel and zinc coated, with male or female thread; outer ring of bronze, with sliding surface of PTFE composite material, maintenance-free; inner ring of carbon chromium steel, spherical surface with chromium plating, it has characteristics of large load capability, easy mounting and dismounting and mechanism simplification.

设计结构特点: 杆端体材料为碳钢，镀环保白锌垫圈材料为铜内圈(钢球)材料为轴承钢，淬火，球面镀硬铬

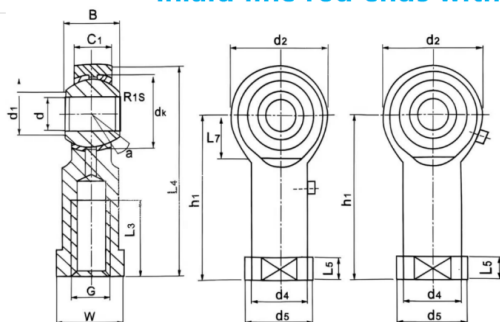
● It is similar in size to the POS series but different in lubrication method, so this series is recommended. It can be manufactured with stainless steel, and when placing an order, add "S" before the model number.

与PHS系列尺寸相近，润滑方式不同，推荐用本系列产品可以用不锈钢制造订货时在型号前加"S"



## 内螺纹镶垫杆端关节轴承系列

### Inlaid line rod ends with female thread series



PHS...

| 轴承型号<br>Bearing number | 尺寸Dimensions(mm) |    |        |           |           |          |     |           |           |     |    |      |    |            |         | 动负荷<br>Load ratings<br>kN/Dynamic | 静负荷<br>Load ratings<br>kN/Static | 重量<br>Weight<br>≈KG |
|------------------------|------------------|----|--------|-----------|-----------|----------|-----|-----------|-----------|-----|----|------|----|------------|---------|-----------------------------------|----------------------------------|---------------------|
|                        | d<br>H7          | B  | dk     | C1<br>max | d2<br>max | G<br>6H  | h1  | L3<br>min | L4<br>max | L5  | W  | d4   | d5 | R1s<br>min | a°<br>≈ | 3.25                              | 5.7                              | 0.016               |
| PHS5                   | 5                | 8  | 11.11  | 6         | 16        | M5×0.8   | 27  | 10        | 35        | 4   | 9  | 8.5  | 11 | 0.3        | 13      |                                   |                                  |                     |
| PHS6                   | 6                | 9  | 13     | 6.75      | 18        | M6×1.0   | 30  | 12        | 39        | 5   | 11 | 10   | 13 | 0.3        | 13      |                                   |                                  |                     |
| PHS8                   | 8                | 12 | 15.875 | 9         | 22        | M8×1.25  | 36  | 16        | 47        | 5   | 14 | 13   | 16 | 0.3        | 14      |                                   |                                  |                     |
| PHS10                  | 10               | 14 | 19.05  | 10.5      | 26        | M10×1.5  | 43  | 20        | 56        | 6.5 | 17 | 15   | 19 | 0.3        | 13      |                                   |                                  |                     |
| PHS10-1                | 10               | 14 | 19.05  | 10.5      | 26        | M10×1.25 | 43  | 20        | 56        | 6.5 | 17 | 15   | 19 | 0.3        | 13      |                                   |                                  |                     |
| PHS12                  | 12               | 16 | 22.225 | 12        | 30        | M12×1.75 | 50  | 22        | 65        | 6.5 | 19 | 17.5 | 22 | 0.3        | 13      |                                   |                                  |                     |
| PHS12-1                | 12               | 16 | 22.225 | 12        | 30        | M12×1.25 | 50  | 22        | 65        | 6.5 | 19 | 17.5 | 22 | 0.3        | 13      |                                   |                                  |                     |
| PHS14                  | 14               | 19 | 25.4   | 13.5      | 34        | M14×2.0  | 57  | 25        | 74        | 8   | 22 | 20   | 25 | 0.3        | 16      |                                   |                                  |                     |
| PHS14-1                | 14               | 19 | 25.4   | 13.5      | 34        | M14×1.5  | 57  | 25        | 74        | 8   | 22 | 20   | 25 | 0.3        | 16      |                                   |                                  |                     |
| PHS16                  | 16               | 21 | 28.575 | 15        | 40        | M16×2.0  | 64  | 28        | 84        | 8   | 24 | 22   | 27 | 0.3        | 15      |                                   |                                  |                     |
| PHS16-1                | 16               | 21 | 28.575 | 15        | 40        | M16×1.5  | 64  | 28        | 84        | 8   | 24 | 22   | 27 | 0.3        | 15      |                                   |                                  |                     |
| PHS18                  | 18               | 23 | 31.75  | 16.5      | 44        | M18×1.5  | 71  | 32        | 93        | 10  | 27 | 25   | 31 | 0.3        | 15      |                                   |                                  |                     |
| PHS20                  | 20               | 25 | 34.925 | 18        | 50        | M20×1.5  | 77  | 33        | 102       | 10  | 30 | 27.5 | 34 | 0.3        | 14      |                                   |                                  |                     |
| PHS22                  | 22               | 28 | 38.1   | 20        | 54        | M22×1.5  | 84  | 37        | 111       | 12  | 32 | 30   | 38 | 0.3        | 15      |                                   |                                  |                     |
| PHS25                  | 25               | 31 | 42.85  | 22        | 60        | M24×2    | 94  | 42        | 124       | 12  | 36 | 33.5 | 42 | 0.3        | 15      |                                   |                                  |                     |
| PHS28                  | 28               | 35 | 47.60  | 24        | 66        | M27×2    | 103 | 48        | 136       | 14  | 41 | 37   | 46 | 0.3        | 15      |                                   |                                  |                     |
| PHS30                  | 30               | 37 | 50.8   | 25        | 70        | M30×2    | 110 | 51        | 145       | 15  | 41 | 40   | 50 | 0.3        | 17      |                                   |                                  |                     |
| PHS30-1                | 30               | 37 | 50.8   | 25        | 70        | M27×2    | 110 | 51        | 145       | 15  | 41 | 40   | 50 | 0.3        | 17      |                                   |                                  |                     |

● For left-hand thread, suffix "L" is added to bearing number and thread sign, e.g. PHSL20M20×1.5L-6H

若是左旋螺纹，轴承型号和螺纹标记需加 "L" 或左，例如: PHSL20M20×1.5左-6H

● Sliding contact surfaces: Steel/Bronze

滑动磨擦副: 钢/铜

● Design and application features:

The rod end body is made of carbon steel with environmentally friendly white zinc plating. A bronze bushing is inlaid on the rod end surface. The inner ring (steel balls) is made of bearing steel, with hard chrome plating on the spherical surface. Lubrication can be performed through the grease fitting or rod end eye.

设计结构特点: 杆端体材料为碳钢，镀环保白锌，滑动表面镶嵌青铜衬垫，内圈(钢球)材料为轴承钢，球面镀硬铬，可通过油嘴或杆端眼润滑。

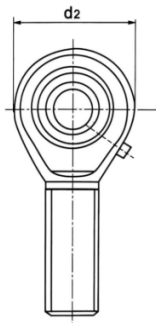
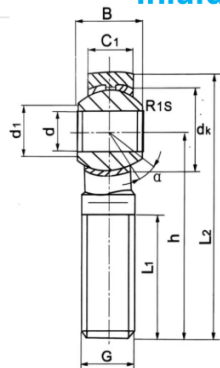
● It has good axial load capacity, and this series of products can be manufactured from stainless steel. When placing an order, add "S" before the model number.

具有较好的轴向载荷，本系列产品可以用不锈钢制造订货时在型号前加"S"



## 外螺纹镶垫杆端关节轴承系列

### Inlaid line rod ends with male thread series



POS...

| 轴承型号<br>Bearings<br>number | 尺寸Dimensions(mm) |    |        |           |           |          |     |           |           |            |         | 动负荷<br>Load ratings<br>kN/Dynamic | 静负荷<br>Load ratings<br>kN/Static | 重量<br>Weight<br>≈KG |
|----------------------------|------------------|----|--------|-----------|-----------|----------|-----|-----------|-----------|------------|---------|-----------------------------------|----------------------------------|---------------------|
|                            | d<br>H7          | B  | dk     | C1<br>max | d2<br>max | G<br>6H  | h   | L1<br>min | L2<br>max | r1s<br>min | a°<br>≈ |                                   |                                  |                     |
| POS5                       | 5                | 8  | 11.11  | 6         | 16        | M5×0.8   | 33  | 20        | 41        | 0.3        | 13      | 3.25                              | 5.7                              | 0.013               |
| POS6                       | 6                | 9  | 12.7   | 6.75      | 18        | M6×1.0   | 36  | 22        | 45        | 0.3        | 13      | 4.3                               | 7.2                              | 0.020               |
| POS8                       | 8                | 12 | 15.875 | 9         | 22        | M8×1.25  | 42  | 25        | 53        | 0.3        | 14      | 7.2                               | 11.6                             | 0.030               |
| POS10                      | 10               | 14 | 19.05  | 10.5      | 26        | M10×1.5  | 48  | 29        | 61        | 0.3        | 13      | 10                                | 14.5                             | 0.055               |
| POS12                      | 12               | 16 | 22.225 | 12        | 30        | M12×1.75 | 54  | 33        | 69        | 0.3        | 13      | 13.4                              | 17                               | 0.085               |
| POS14                      | 14               | 19 | 25.4   | 13.5      | 34        | M14×2.0  | 60  | 36        | 77        | 0.3        | 16      | 17                                | 24                               | 0.14                |
| POS16                      | 16               | 21 | 28.575 | 15        | 40        | M16×2.0  | 66  | 40        | 86        | 0.3        | 15      | 21.6                              | 28.5                             | 0.21                |
| POS18                      | 18               | 23 | 31.75  | 16.5      | 44        | M18×1.5  | 72  | 44        | 94        | 0.3        | 15      | 26                                | 42.5                             | 0.28                |
| POS20                      | 20               | 25 | 34.925 | 18        | 50        | M20×1.5  | 78  | 47        | 103       | 0.3        | 14      | 31.5                              | 52.5                             | 0.38                |
| POS22                      | 22               | 28 | 38.1   | 20        | 54        | M22×1.5  | 84  | 51        | 111       | 0.3        | 15      | 38                                | 57                               | 0.48                |
| POS25                      | 25               | 31 | 42.85  | 22        | 60        | M24×2    | 94  | 57        | 124       | 0.3        | 15      | 47.5                              | 68                               | 0.64                |
| POS28                      | 28               | 35 | 47.6   | 24        | 66        | M27×2    | 103 | 62        | 136       | 0.3        | 15      | 58                                | 75.5                             | 0.96                |
| POS30                      | 30               | 37 | 50.8   | 25        | 70        | M30×2    | 110 | 66        | 145       | 0.3        | 17      | 64                                | 88.6                             | 1.1                 |

● For left-hand thread, suffix "L" is added to bearing number and thread sign, e.g. POSL20

若是左旋螺纹，轴承型号和螺纹标记需加 "L" 或左，例如: POSL20

● Sliding contact surfaces: Steel/Bronze

滑动磨擦副: 钢/铜

● Design and application features:

The rod end body is made of carbon steel with environmentally friendly white zinc plating. A bronze bushing is inlaid on the rod end surface. The inner ring (steel balls) is made of bearing steel, with hard chrome plating on the spherical surface. Lubrication can be performed through the grease fitting or rod end eye.

设计结构特点: 杆端体材料为碳钢，镀环保白锌，滑动表面镶嵌青铜衬垫，内圈(钢球)材料为轴承钢，球面镀硬铬，可通过油嘴或杆端眼润滑。

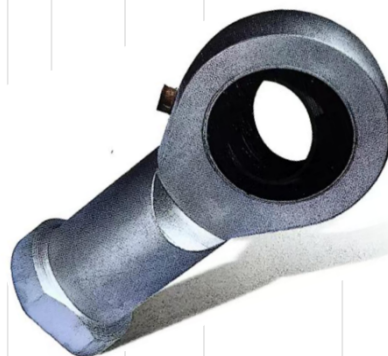
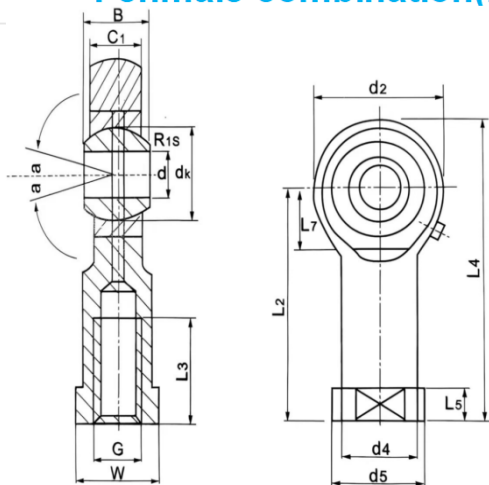
● It has good axial load capacity, and this series of products can be manufactured from stainless steel. When placing an order, add "S" before the model number.

具有较好的轴向载荷，本系列产品可以用不锈钢制造订货时在型号前加 "S"



## 内螺纹组装 (E系列) 杆端关节轴承

### Fenmale combination(E series) rod ends series



SI...ES

| 轴承型号<br>Bearings<br>number | 尺寸Dimensions(mm) |     |     |      |     |            |    |    |      |       |    |     |       |          | a° | 额定负荷<br>Load ratings |             | 重量<br>Weight<br>(kg) |
|----------------------------|------------------|-----|-----|------|-----|------------|----|----|------|-------|----|-----|-------|----------|----|----------------------|-------------|----------------------|
|                            | dk               | L5  | W   | d4   | d5  | R1s<br>min | d  | B  | C1   | d2max | L3 | L2  | L4    | G        |    | 动<br>Dynamic         | 静<br>Static |                      |
| SI5E                       | 10               | 5   | 10  | 10   | 13  | 0.3        | 5  | 6  | 4.4  | 21    | 11 | 30  | 42    | M5×0.8   | 13 | 3.4                  | 8.1         | 0.018                |
| SI6E                       | 10               | 5   | 11  | 10   | 13  | 0.3        | 6  | 6  | 4.4  | 21    | 11 | 30  | 40.5  | M6×1.0   | 13 | 3.4                  | 8.15        | 0.021                |
| SI8E                       | 13               | 5   | 14  | 12.5 | 16  | 0.3        | 8  | 8  | 6.0  | 24    | 15 | 36  | 48    | M8×1.25  | 15 | 5.5                  | 12.9        | 0.039                |
| SI10E                      | 16               | 6.5 | 17  | 15   | 19  | 0.3        | 10 | 9  | 7.0  | 29    | 20 | 43  | 57.5  | M10×1.5  | 12 | 8.15                 | 17.6        | 0.061                |
| SI12E                      | 18               | 6.5 | 19  | 17.5 | 22  | 0.3        | 12 | 10 | 8.0  | 34    | 23 | 50  | 67    | M12×1.75 | 11 | 10.8                 | 24.5        | 0.096                |
| SI15ES                     | 22               | 8   | 22  | 21   | 26  | 0.3        | 15 | 12 | 10.0 | 40    | 30 | 61  | 81    | M14×2.0  | 8  | 17                   | 36          | 0.180                |
| SI17ES                     | 25               | 10  | 27  | 24   | 30  | 0.3        | 17 | 14 | 11.0 | 46    | 34 | 67  | 90    | M16×2.0  | 10 | 21.2                 | 45          | 0.220                |
| SI20ES                     | 29               | 10  | 32  | 27.5 | 35  | 0.6        | 20 | 16 | 13.0 | 53    | 40 | 77  | 103.5 | M20×1.5  | 9  | 30                   | 60          | 0.350                |
| SI25ES                     | 35.5             | 12  | 36  | 33.5 | 42  | 0.6        | 25 | 20 | 17   | 64    | 48 | 94  | 126   | M24×2    | 7  | 48                   | 83          | 0.640                |
| SI30ES                     | 40.7             | 15  | 41  | 40   | 50  | 0.6        | 30 | 22 | 19   | 73    | 56 | 110 | 146.5 | M30×2    | 6  | 62                   | 110         | 0.930                |
| SI35ES                     | 47               | 15  | 50  | 47   | 58  | 0.6        | 35 | 25 | 21   | 82    | 60 | 125 | 166   | M36×2    | 6  | 80                   | 146         | 1.30                 |
| SI40ES                     | 53               | 18  | 55  | 52   | 65  | 0.6        | 40 | 28 | 23   | 92    | 65 | 142 | 188   | M39×3    | 7  | 100                  | 180         | 2.00                 |
| SI45ES                     | 60               | 20  | 60  | 58   | 70  | 0.6        | 45 | 32 | 27   | 102   | 65 | 145 | 196   | M42×2    | 7  | 127                  | 240         | 2.50                 |
| SI50ES                     | 66               | 20  | 65  | 62   | 75  | 0.6        | 50 | 35 | 30   | 112   | 68 | 160 | 216   | M45×3    | 6  | 156                  | 290         | 3.50                 |
| SI60ES                     | 80               | 20  | 75  | 70   | 88  | 1.0        | 60 | 44 | 38   | 135   | 70 | 175 | 242.5 | M52×3    | 6  | 245                  | 450         | 5.50                 |
| SI70ES                     | 92               | 20  | 85  | 80   | 98  | 1.0        | 70 | 49 | 42   | 160   | 80 | 200 | 280   | M56×4    | 6  | 315                  | 610         | 8.60                 |
| SI80ES                     | 105              | 25  | 100 | 95   | 110 | 1.0        | 80 | 55 | 47   | 180   | 85 | 230 | 320   | M64×4    | 6  | 400                  | 750         | 12.0                 |

● For left-hand thread, suffix "L" is added to bearing number and thread sign, e.g. SI120ES M20×1.5L-6H

若是左旋螺纹, 轴承型号和螺纹标记需加 "L" 或左, 例如: SI120ES M20×1.5左-6H

● Sliding contact surfaces: Steel

滑动磨擦副: 钢/钢

● Design and application features:

Combination rod end with male or female thread is made up of a rod end a radial spherical plain bearing

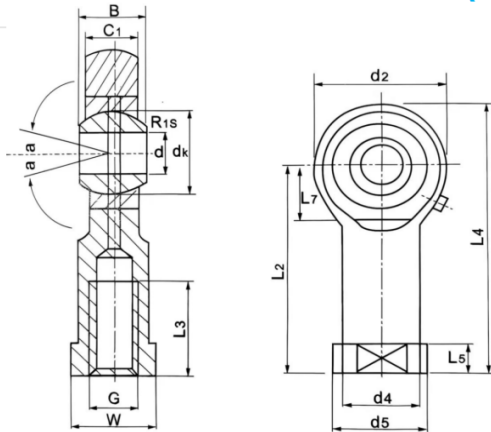
of series GE...E or GE...ES rod end of steel and zinc coated; Can be lubricated via a nipple or a hole in the rod end. It has characteristic of large load capability, easy mounting and dismounting and mechanism simplification.

设计结构特点: 由杆端体与GE...E、GE...ES、GE...ES-2RS系列向心关节轴承组装而成, 杆端体材料为碳钢, 锻造成型, 表面镀环保白锌, 可以通过油嘴或杆端眼润滑。



## 外螺纹组装 (E系列) 杆端关节轴承系列

### Male combination (E series) rod ends series



SA...ES

| 轴承型号<br>Bearings<br>number | 尺寸Dimensions(mm) |                        |    |    |                   |                   |                   |     |                    |          | 额定负荷<br>Load ratings |             | a° | 重量<br>Weight<br>(kg) |
|----------------------------|------------------|------------------------|----|----|-------------------|-------------------|-------------------|-----|--------------------|----------|----------------------|-------------|----|----------------------|
|                            | d <sub>k</sub>   | R <sub>1s</sub><br>min | d  | B  | C <sub>1max</sub> | d <sub>2max</sub> | L <sub>1min</sub> | h   | L <sub>2 max</sub> | G        | 动<br>Dynamic         | 静<br>Static |    |                      |
| SA5E                       | 10               | 0.3                    | 5  | 6  | 4.4               | 21                | 16                | 36  | 48                 | M5×0.8   | 3.4                  | 3.9         | 13 | 0.0011               |
| SA6E                       | 10               | 0.3                    | 6  | 6  | 4.4               | 21                | 18                | 36  | 46.5               | M6×1     | 3.4                  | 8.15        | 13 | 0.017                |
| SA8E                       | 13               | 0.3                    | 8  | 8  | 6                 | 24                | 22                | 42  | 54                 | M8×1.25  | 5.5                  | 12.9        | 15 | 0.029                |
| SA10E                      | 16               | 0.3                    | 10 | 9  | 7                 | 29                | 26                | 48  | 62.5               | M10×1.5  | 8.1                  | 17.6        | 12 | 0.051                |
| SA12E                      | 18               | 0.3                    | 12 | 10 | 8                 | 34                | 28                | 54  | 71                 | M12×1.75 | 10.8                 | 24.5        | 10 | 0.086                |
| SA15ES                     | 22               | 0.3                    | 15 | 12 | 10                | 40                | 34                | 63  | 83                 | M14×2    | 17                   | 36          | 8  | 0.014                |
| SA17ES                     | 25               | 0.3                    | 17 | 14 | 11                | 46                | 36                | 69  | 92                 | M16×2    | 21                   | 45          | 10 | 0.190                |
| SA20ES                     | 29               | 0.6                    | 20 | 16 | 13                | 53                | 43                | 78  | 104.5              | M20×1.5  | 30                   | 60          | 9  | 0.310                |
| SA25ES                     | 35.5             | 0.6                    | 25 | 20 | 17                | 64                | 53                | 94  | 126                | M24×2    | 48                   | 83          | 7  | 0.560                |
| SA30ES                     | 40.7             | 0.6                    | 30 | 22 | 19                | 73                | 65                | 110 | 146.5              | M30×2    | 62                   | 110         | 6  | 0.890                |
| SA35ES                     | 47               | 0.6                    | 35 | 25 | 21                | 82                | 82                | 140 | 181                | M36×3    | 80                   | 146         | 6  | 1.4                  |
| SA40ES                     | 53               | 0.6                    | 40 | 28 | 23                | 92                | 86                | 150 | 196                | M39×3    | 100                  | 180         | 7  | 1.8                  |
| SA45ES                     | 60               | 0.6                    | 45 | 32 | 27                | 102               | 94                | 163 | 214                | M42×2    | 127                  | 240         | 7  | 2.6                  |
| SA50ES                     | 66               | 0.6                    | 50 | 35 | 30                | 112               | 107               | 185 | 241                | M45×3    | 156                  | 290         | 6  | 3.4                  |
| SA60ES                     | 80               | 1                      | 60 | 44 | 38                | 135               | 115               | 210 | 277.5              | M52×3    | 245                  | 450         | 6  | 5.9                  |
| SA70ES                     | 92               | 1                      | 70 | 49 | 42                | 160               | 125               | 235 | 315                | M56×4    | 315                  | 610         | 6  | 8.2                  |
| SA80ES                     | 105              | 1                      | 80 | 55 | 47                | 180               | 140               | 270 | 360                | M64×4    | 400                  | 750         | 6  | 12                   |

● For left-hand thread, suffix "L" is added to bearing number and thread sign, e.g. SIL20ES M20×1.5L-6H

若是左旋螺纹，轴承型号和螺纹标记需加 "L" 或左，例如: SIL20ES M20×1.5左-6H

● Sliding contact surfaces: Steel

滑动磨擦副: 钢/钢

● Design and application features:

Combination rod end with male or female thread is made up of a rod end a radial spherical plain bearing

of series GE...E or GE...ES rod end of steel and zinc coated; Can be lubricated via a nipple or a hole in the rod end. It has characteristic of large load capability, easy mounting and dismounting and mechanism simplification.

设计结构特点: 由杆端体与GE...E、GE...ES、GE...ES-2RS系列向心关节轴承组装而成，杆端体材料为碳钢，锻造成型，表面镀环保白锌，可以通过油嘴或杆端眼润滑。



## 内螺纹镶垫杆端关节轴承（英制）系列

### Inlaid liner and ends with female thread (inch dimension) series

轴承附有带螺纹的伸出杆，螺纹有左右旋之分。 Bearing with a stretching rod, stretching rod with right or left-hand female thread.

POSB...S型的结构特点同POS...S，但英制尺寸。

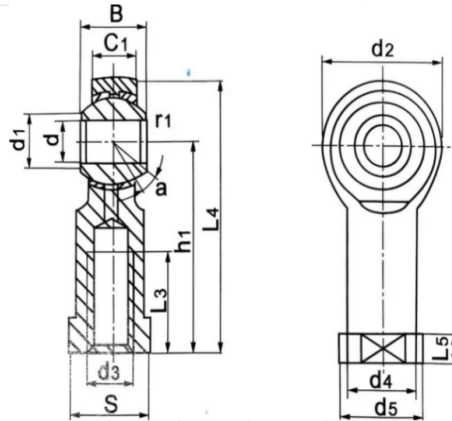
The type POSB...S is as POS...S...but the dimensions in inch.

NHSB...型是挤压成形的，PHSB...是英制的。

The type NHSB...is swaged.the dimensions in inch.

内圈球面镀铬，杆端体表面镀锌。

Spherical surface of inner ring with chromium plating, to plate zinc on the surface of rod body.



PHSB...

| 型号<br>PART NO | 尺寸Dimensions(mm) |       |     |           |           |           |           |       |           |           |           |           |           |       | 额定负荷      |            |    | 重量<br>weight<br>(kg) |
|---------------|------------------|-------|-----|-----------|-----------|-----------|-----------|-------|-----------|-----------|-----------|-----------|-----------|-------|-----------|------------|----|----------------------|
|               | d                | B     | r1s | C1<br>max | d1<br>min | d2<br>max | d3<br>max | h1    | L3<br>max | L4<br>max | L5<br>max | d4<br>max | d5<br>max | S     | 动<br>Dyn. | 静<br>Stat. | a° |                      |
| PHSB3         | 4.826            | 7.925 | 0.3 | 6.35      | 7.8       | 15.88     | 10-32     | 26.97 | 14.27     | 34.93     | 4.75      | 7.54      | 10.31     | 7.92  | 3.4       | 4.6        | 10 | 0.015                |
| PHSB4         | 6.35             | 9.53  | 0.3 | 7.14      | 8.4       | 19.05     | 1/4-28    | 33.32 | 29.05     | 42.85     | 4.75      | 9.15      | 11.91     | 9.53  | 4.5       | 7.7        | 13 | 0.025                |
| PHSB5         | 7.938            | 11.1  | 0.3 | 8.74      | 11.4      | 22.23     | 5/16-24   | 34.93 | 19.05     | 46.02     | 4.75      | 10.72     | 12.7      | 11.1  | 6.9       | 8.4        | 10 | 0.036                |
| PHSB6         | 9.525            | 12.7  | 0.6 | 10.31     | 13.1      | 25.4      | 3/8-24    | 41.28 | 23.8      | 53.98     | 6.35      | 13.89     | 17.45     | 14.27 | 9.4       | 10         | 9  | 0.061                |
| PHSB7         | 11.11            | 14.27 | 0.6 | 11.10     | 14.9      | 28.58     | 7/16-20   | 46.02 | 26.97     | 60.33     | 6.35      | 15.49     | 19.05     | 15.88 | 11        | 13         | 11 | 0.081                |
| PHSB8         | 12.7             | 15.88 | 0.6 | 12.7      | 17.7      | 33.32     | 1/2-20    | 53.98 | 30.15     | 70.64     | 6.35      | 18.67     | 22.23     | 19.05 | 15        | 19         | 9  | 0.133                |
| PHSB10        | 15.88            | 19.05 | 0.6 | 14.27     | 21.3      | 38.1      | 5/8-18    | 63.5  | 38.1      | 82.55     | 7.92      | 21.84     | 25.4      | 22.23 | 2         | 21         | 11 | 0.190                |
| PHSB12        | 19.05            | 22.23 | 0.6 | 17.45     | 24.8      | 44.45     | 3/4-16    | 73.03 | 44.45     | 95.25     | 7.92      | 25.02     | 28.58     | 25.40 | 29        | 29         | 10 | 0.285                |
| PHSB16        | 25.4             | 34.93 | 0.6 | 25.4      | 32.2      | 69.85     | 5/4-12    | 104.7 | 53.98     | 139.70    | 11.10     | 37.72     | 44.45     | 38.1  | 60        | 101        | 14 | 1                    |

● If it is a left-hand thread, the bearing model shall be marked with "L". For example: PHSB10S 5/8-18-3BLH

若是左旋螺纹，轴承型号需加 "L" 。例如：PHSB10S 5/8-18-3BLH

● Lubrication hole or a grease nipple is supplied on these sizes, when a grease nipple is required by the others, please use the sign of NHSB...S

带的型号均不配油孔或油嘴，其余若须配油嘴，请用NHSB...s



## 外螺纹镶垫杆端关节轴承

### Inlaid liner aod ends with male thread (inch dimension) series

轴承附有带螺纹的伸出杆，螺纹有左右旋之分。

Bearing with a stretching rod, stretching rod with right or left-hand female tread.

POSB...S型的结构特点同POS...S，但英制尺寸。

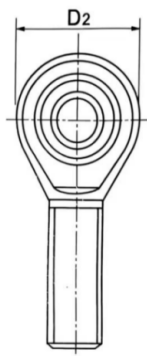
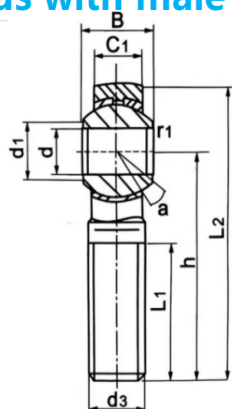
The type POSB...S is as POS...S...but the dimensions in inch.

NHSB...型是挤压成形的，PHSB...是英制的。

The type NHSB...is swaged, the dimensions in inch.

内圈球面镀铬，杆端表面镀锌。

Spherical surface of inner ring with chromium plating, to plate zincon the surface of rod body.



POSB...

| 型号<br>PART NO | 尺寸Dimensions(mm) |       |     |           |           |           |         |        |           |           | 额定负荷<br>Load Ratings |             |    | 重量<br>weight<br>(kg) |
|---------------|------------------|-------|-----|-----------|-----------|-----------|---------|--------|-----------|-----------|----------------------|-------------|----|----------------------|
|               | d                | B     | r1s | C1<br>max | d1<br>min | d2<br>max | d3      | h      | L1<br>min | L2<br>max | 动<br>Dynam<br>ic     | 静<br>Static | a° |                      |
| POSB3         | 4.83             | 7.92  | 0.3 | 6.35      | 7.8       | 15.88     | 10-32   | 31.75  | 19.05     | 39.70     | 3.4                  | 3.8         | 10 | 0.013                |
| POSB4         | 6.35             | 9.53  | 0.3 | 7.14      | 8.4       | 19.05     | 1/4-28  | 39.67  | 25.40     | 49.20     | 4.5                  | 6.6         | 13 | 0.022                |
| POSB5         | 7.94             | 11.10 | 0.3 | 8.74      | 11.4      | 22.23     | 5/16-24 | 47.63  | 31.75     | 58.72     | 6.9                  | 8.4         | 10 | 0.037                |
| POSB6         | 9.53             | 12.70 | 0.6 | 10.31     | 13.1      | 25.40     | 3/8-24  | 49.23  | 31.75     | 61.93     | 9.4                  | 10          | 9  | 0.055                |
| POSB7         | 11.11            | 14.27 | 0.6 | 11.10     | 14.9      | 28.58     | 7/16-20 | 53.98  | 34.93     | 68.28     | 11                   | 13          | 11 | 0.078                |
| POSB8         | 12.70            | 15.88 | 0.6 | 12.70     | 17.7      | 33.32     | 1/2-20  | 61.93  | 38.10     | 78.59     | 15                   | 19          | 9  | 0.12                 |
| POSB10        | 15.88            | 19.05 | 0.6 | 14.27     | 21.3      | 38.10     | 5/8-18  | 66.68  | 41.28     | 85.73     | 20                   | 21          | 11 | 0.18                 |
| POSB12        | 19.05            | 22.23 | 0.6 | 17.45     | 24.8      | 44.45     | 3/4-16  | 73.03  | 44.45     | 95.29     | 29                   | 29          | 10 | 0.29                 |
| POSB16        | 25.40            | 34.93 | 0.6 | 25.40     | 32.2      | 69.85     | 5/4-12  | 104.78 | 53.98     | 139.70    | 60                   | 101         | 14 | 1.1                  |

● If it is a left-hand thread, the bearing model shall be marked with "L". For example: PHSB10S 5/8-18-3BLH

若是左旋螺纹，轴承型号需加“L”。例如：PHSB10S 5/8-18-3BLH

● Aliubrication hole or a grease nipple is suplied on these sizes, when a grease nipple is required by the ochers, please use the sign of NHSB...S

带的型号均不配油孔或油嘴，其余若须配油嘴，请用NHSB...s



## 钢对钢系列

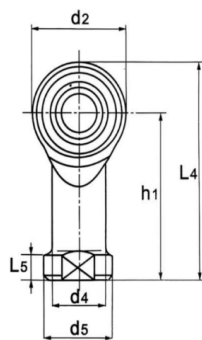
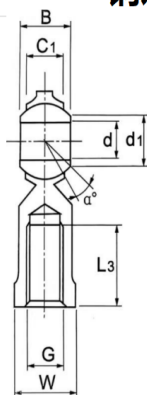
Bearing with a stretching rod, with female thread clamping arrangement, the thread is right or left-hand.

轴承附有带销口螺纹的伸出杆，螺纹有左右旋之分。

处围挤压成型，球面衬有SF1材料。

杆端体表面镀锌或发黑处理，内圈球面镀铬，若是左旋螺纹，轴承型号标记需加“L”和“左”，

例如：NHS10TL, M10左



SI...PK

| Bearing number | d<br>N7 | d <sub>1</sub> | B<br>0<br>-0.12 | α  | C1<br>±0.3 | d <sub>2</sub> | G<br>6H  | h <sub>1</sub> | L <sub>4</sub> | L <sub>3</sub><br>min | d <sub>4</sub> | d <sub>4</sub> | L <sub>5</sub> | W  | 转动<br>扭力<br>kgf-cm | 静载荷<br>Load ratings<br>kgf/static | 重量<br>g<br>Weight |
|----------------|---------|----------------|-----------------|----|------------|----------------|----------|----------------|----------------|-----------------------|----------------|----------------|----------------|----|--------------------|-----------------------------------|-------------------|
| SI3PK          | 3       | 6.8            | 6               | 11 | 4.5        | 12             | M3×0.5   | 21             | 27             | 10                    | 6.5            | 8              | 3              | 7  | 0.2~3.5            | 170                               | 10                |
| SI4PK          | 4       | 7.6            | 7               | 12 | 5.25       | 14             | M4×0.7   | 24             | 31             | 12                    | 8              | 9.5            | 4              | 8  | 0.2~3.5            | 250                               | 12                |
| SI5PK          | 5       | 7.7            | 8               | 12 | 6          | 16             | M5×0.8   | 27             | 35             | 14                    | 9              | 12             | 4              | 9  | 0.2~3.5            | 800                               | 16                |
| SI6PK          | 6       | 9              | 9               | 10 | 6.75       | 18             | M6×1     | 30             | 39             | 14                    | 10             | 13             | 5              | 11 | 0.2~3.5            | 880                               | 25                |
| SI8PK          | 8       | 10.4           | 12              | 12 | 9          | 22             | M8×1.25  | 36             | 47             | 17                    | 12.5           | 16             | 5              | 14 | 0.2~3.5            | 1200                              | 43                |
| SI10PK         | 10      | 12.9           | 14              | 12 | 10.5       | 26             | M10×1.5  | 43             | 56             | 21                    | 15             | 19             | 6.5            | 17 | 0.2~3.5            | 1700                              | 72                |
| SI12PK         | 12      | 15.4           | 16              | 12 | 12         | 30             | M12×1.75 | 50             | 65             | 24                    | 17.5           | 22             | 6.5            | 19 | 0.2~3.5            | 2400                              | 107               |
| SI14PK         | 14      | 16.9           | 19              | 14 | 13.5       | 34             | M14×2    | 57             | 74             | 27                    | 20             | 25             | 8              | 22 | 0.2~3.5            | 2700                              | 160               |
| SI16PK         | 16      | 19.4           | 21              | 13 | 15         | 38             | M16×2    | 64             | 83             | 33                    | 22             | 27             | 8              | 22 | 0.2~3.5            | 3400                              | 210               |
| SI18PK         | 18      | 21.9           | 23              | 14 | 17         | 42             | M18×1.5  | 71             | 92             | 36                    | 25             | 31             | 10             | 27 | 0.2~3.5            | 4700                              | 295               |
| SI20PK         | 20      | 24.4           | 25              | 12 | 18         | 46             | M20×1.5  | 77             | 100            | 40                    | 27.5           | 34             | 10             | 32 | 0.2~3.5            | 4900                              | 380               |

● For left-hand thread, suffix "L" is added to bearing number and thread sign, e.g. NHSL20ES M20

若是左旋螺纹，轴承型号与螺纹标记需加“L”或“左”，例如：NHSL20。

● Sliding contact surfaces: Steel/PTFE composite material

钢对PTFE 复合材料

● Design and application features:

Rod end of steel and zinc coated, with male or female thread; with sliding surface of PTFE composite material, maintenance-free; inner ring of carbon chromium steel, spherical surface with chromium plating. It has characteristics of large load capability, easy mounting and dismounting and mechanism simplification.

设计结构特点：杆端体材料为碳钢，挤压成型，镀环保白锌，内圈(钢球)材料为轴承钢，淬火，球面镀硬铬。

● This series of products has good axial force performance and can be made of stainless steel. When placing an order, add "S" before the model number.

具有较好轴向力，本系列产品可以用不锈钢制造订货时在型号前加"S"



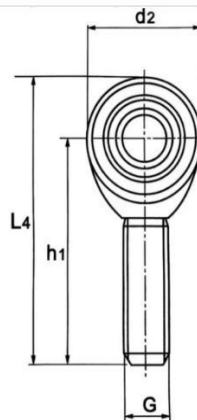
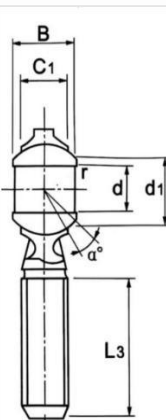
## 钢对钢系列

Bearing with a stretching rod, with female thread clamping arrangement. the thread is right or left-hand.

轴承附有带销口螺纹的伸出杆，螺纹有左右旋之分。

杆端挤压成型，球面衬有SF1材料。

杆端体表面镀锌或发黑处理，内圈球面镀铬，若是左旋螺纹，轴承型号标记需加“L”和“左”，例如：NHS10TL, M10左



SA...PK

| Bearing number | d<br>N7 | d <sub>1</sub> | B<br>0<br>-0.12 | α  | C1<br>±0.3 | d <sub>2</sub> | G<br>6H  | h <sub>1</sub> | L <sub>4</sub> | L <sub>3</sub><br>min | 转动<br>扭力<br>kgf-cm | 静载荷<br>Load<br>ratings<br>kgf/static | 重量<br>g<br>Weight |
|----------------|---------|----------------|-----------------|----|------------|----------------|----------|----------------|----------------|-----------------------|--------------------|--------------------------------------|-------------------|
| SA3PK          | 3       | 6.8            | 6               | 11 | 4.5        | 12             | M3×0.5   | 27             | 33             | 15                    | 0.2~3.5            | 170                                  | 6                 |
| SA4PK          | 4       | 7.6            | 7               | 12 | 5.25       | 14             | M4×0.7   | 30             | 37             | 17                    | 0.2~3.5            | 250                                  | 10                |
| SA5PK          | 5       | 7.7            | 8               | 12 | 6          | 16             | M5×0.8   | 33             | 41             | 20                    | 0.2~3.5            | 800                                  | 12                |
| SA6PK          | 6       | 9.0            | 9               | 10 | 6.75       | 18             | M6×1     | 36             | 45             | 22                    | 0.2~3.5            | 880                                  | 19                |
| SA8PK          | 8       | 10.4           | 12              | 12 | 9          | 22             | M8×1.25  | 42             | 53             | 25                    | 0.2~3.5            | 1200                                 | 32                |
| SA10PK         | 10      | 12.9           | 14              | 12 | 10.5       | 26             | M10×1.5  | 48             | 61             | 29                    | 0.2~3.5            | 1700                                 | 54                |
| SA12PK         | 12      | 15.4           | 16              | 12 | 12         | 30             | M12×1.75 | 54             | 69             | 33                    | 0.2~3.5            | 2400                                 | 85                |
| SA14PK         | 14      | 16.9           | 19              | 14 | 13.5       | 34             | M14×2    | 60             | 77             | 36                    | 0.2~3.5            | 2700                                 | 126               |
| SA16PK         | 16      | 19.4           | 21              | 13 | 15         | 38             | M16×2    | 66             | 85             | 40                    | 0.2~3.5            | 3400                                 | 185               |
| SA18PK         | 18      | 21.9           | 23              | 14 | 17         | 42             | M18×1.5  | 72             | 93             | 44                    | 0.2~3.5            | 4700                                 | 258               |
| SA20PK         | 20      | 24.4           | 25              | 12 | 18         | 46             | M20×1.5  | 78             | 101            | 47                    | 0.2~3.5            | 4900                                 | 340               |

●For left-hand thread, suffix "L" is added to bearing number and thread sign, e.g. NOSL20.

若是左旋螺纹，轴承型号与螺纹标记需加“L”或“左”，例如：NOSL20.

●Sliding contact surfaces: Steel/PTFE composite material

钢对PTFE 复合材料

●Design and application features:

Rod end of steel and zinc coated, with male or female thread; with sliding surface of PTFE composite material, maintenance-free; inner ring of carbon chromium steel, spherical surface with chromium plating. It has characteristics of large load capability, easy mounting and dismounting and mechanism simplification.

设计结构特点：杆端体材料为碳钢，挤压成型，镀环保白锌，内圈(钢球)材料为轴承钢，淬火，球面镀硬铬。

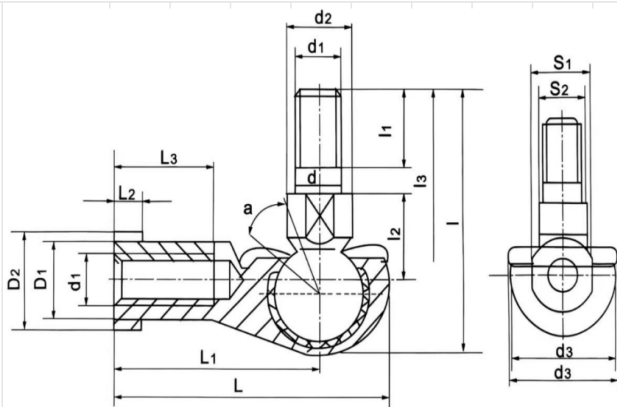
●This series of products has good axial force performance and can be made of stainless steel. When placing an order, add "S" before the model number.

具有较好轴向力，本系列产品可以用不锈钢制造订货时在型号前加“S”



## 单形球头杆端关节轴承系列

### Shape ball head pole end joint bearing series of the single pole



SQ...RS

| Bearing<br>number | 尺寸Dimensions(mm) |          |       |       |      |       |      |       |    |      |    |       |       |       |       |       |    |    | 负荷<br>NK<br>Load<br>Ratings | 重量<br>weight<br>(kg) |
|-------------------|------------------|----------|-------|-------|------|-------|------|-------|----|------|----|-------|-------|-------|-------|-------|----|----|-----------------------------|----------------------|
|                   | d                | d1       | d2min | d3min | lmax | l1min | l2   | L3max | S1 | Lmax | L1 | L2max | L3min | D1max | D2max | D3max | S2 | a  |                             |                      |
| SQ5-RS            | 5                | M5×0.8   | 9     | 19    | 29   | 8     | 10   | 21    | 7  | 35   | 27 | 4     | 14    | 9     | 11    | 16    | 9  | 25 | 2.2                         | 0.026                |
| SQ6-RS            | 6                | M6×1     | 10    | 20    | 35.5 | 11    | 11   | 26    | 8  | 40   | 30 | 5     | 14    | 10    | 13    | 19    | 11 | 25 | 3.5                         | 0.039                |
| SQ8-RS            | 8                | M8×1.25  | 12    | 24    | 42.5 | 12    | 14   | 31    | 10 | 48   | 36 | 5     | 17    | 12.5  | 16    | 23    | 14 | 25 | 6.6                         | 0.068                |
| SQ10-RS           | 10               | M10×1.25 | 14    | 30    | 50.5 | 15    | 17   | 37    | 11 | 57   | 43 | 6.5   | 21    | 15    | 19    | 27    | 17 | 25 | 10                          | 0.112                |
| SQ10-RS-110       |                  | M10×1.5  | 14    | 30    | 56.5 | 21    | 17   | 43    | 11 | 57   | 43 | 6.5   | 21    | 15    | 19    | 27    | 17 | 25 | 10                          | 0.112                |
| SQ12-RS           | 12               | M12×1.25 | 17    | 32    | 57.5 | 17    | 19   | 42    | 15 | 66   | 50 | 6.5   | 25    | 17.5  | 22    | 31    | 19 | 25 | 16                          | 0.164                |
| SQ12-RS-112       |                  | M12×1.75 | 17    | 32    | 64.5 | 24    | 19   | 49    | 15 | 66   | 50 | 6.5   | 25    | 17.5  | 22    | 31    | 19 | 25 | 16                          | 0.164                |
| SQ 14-RS          | 14               | M14×1.5  | 19    | 38    | 73.5 | 22    | 21.5 | 56    | 17 | 75   | 57 | 8     | 26    | 20    | 25    | 35    | 22 | 25 | 19                          | 0.254                |
| SQ 14-RS-114      |                  | M14×1.2  | 19    | 38    | 79.5 | 28    | 21.5 | 62    | 17 | 75   | 57 | 8     | 26    | 20    | 25    | 35    | 22 | 25 | 19                          | 0.254                |
| SQ16-RS           | 16               | M16×1.5  | 22    | 44    | 79.5 | 23    | 23.5 | 60    | 19 | 84   | 64 | 8     | 32    | 22    | 27    | 39    | 22 | 20 | 26                          | 0.336                |
| SQ16-RS-116       |                  | M16×2    | 22    | 44    | 85.5 | 29    | 23.5 | 66    | 19 | 84   | 64 | 8     | 32    | 22    | 27    | 39    | 22 | 20 | 26                          | 0.336                |
| SQ18-RS           | 18               | M18×1.5  | 23    | 45    | 90   | 25    | 26.5 | 68    | 20 | 93   | 71 | 10    | 34    | 25    | 31    | 44    | 27 | 20 | 33                          | 0.464                |
| SQ20-RS           | 20               | M20×1.5  | 27    | 50    | 90   | 25    | 27   | 68    | 24 | 99   | 77 | 10    | 35    | 27.5  | 34    | 44    | 30 | 20 | 45                          | 0.538                |
| SQ22-RS           | 22               | M22×1.5  | 27    | 52    | 95   | 26    | 28   | 70    | 24 | 109  | 84 | 12    | 41    | 30    | 37    | 50    | 32 | 16 | 48                          | 0.713                |

● Ball joint housing is an Shaped shank with female thread, it is made up of zinc base alloy, they are available for right or left-hand thread.

球头座为附有带内螺纹的“L”向伸出杆，用锌基合金制造，螺纹有左、右之分。

● The shank of ball joint housing may be left-hand thread. for left-hand thread, suffix is added to bearing number and thread sign. e.g. SQZL6-RS M6L-6H, the bearing number without seal is SQ ...

球头座杆螺纹也可为左旋，若是左旋，轴承型号需加“L”螺纹标记应加“左”。例如：SQL6-RS M6左-6H, 不带密封罩产品型号为SQ ...



## 单形球头杆端关节轴承系列

### Shape ball head pole end joint bearing series of the single pole



**SQD...SQZ...RS**

| 轴承型号<br>Bearing number | 尺寸Dimensions(mm) |                |                |                       |                |                       |          |                |      |    |                        |    | 负荷<br>NK<br>Load<br>Ratings | 重量<br>weight<br>(kg) |
|------------------------|------------------|----------------|----------------|-----------------------|----------------|-----------------------|----------|----------------|------|----|------------------------|----|-----------------------------|----------------------|
|                        | d                | d <sub>1</sub> | d <sub>2</sub> | L <sub>1</sub><br>min | L <sub>2</sub> | L <sub>3</sub><br>max | L<br>max | S <sub>1</sub> | C    | D  | R <sub>1s</sub><br>min | a  |                             |                      |
| SQD5                   | 5                | M5×0.8         | 9              | 8                     | 8              | 19                    | 27.5     | 7              | 6    | 16 | 0.3                    | 25 | 2.0                         | 0.014                |
| SQD6                   | 6                | M6×1.0         | 10             | 11                    | 8.8            | 23.5                  | 33.5     | 8              | 6.75 | 18 | 0.3                    | 25 | 3.2                         | 0.021                |
| SQD8                   | 8                | M8×1.25        | 12             | 12                    | 11.6           | 28.6                  | 41       | 10             | 9    | 22 | 0.3                    | 25 | 5.7                         | 0.042                |
| SQD10                  | 10               | M10×1.25       | 14             | 15                    | 14.2           | 34.2                  | 49       | 11             | 10.5 | 26 | 0.3                    | 25 | 9.2                         | 0.067                |
| SQD10-1                | 10               | M10×1.5        | 14             | 21                    | 14.2           | 40.2                  | 55       | 11             | 10.5 | 26 | 0.3                    | 25 | 9.2                         | 0.067                |
| SQD12                  | 12               | M12×1.25       | 17             | 17                    | 15.1           | 38.1                  | 55.1     | 15             | 12   | 30 | 0.5                    | 25 | 14                          | 0.108                |
| SQD12-1                | 12               | M12×1.75       | 17             | 24                    | 15.1           | 45.1                  | 62.1     | 15             | 12   | 30 | 0.5                    | 25 | 14                          | 0.108                |
| SQD14                  | 14               | M14×1.5        | 19             | 22                    | 16.8           | 51.3                  | 70.7     | 17             | 13.5 | 34 | 0.5                    | 20 | 19                          | 0.167                |
| SQD14-1                | 14               | M14×2          | 19             | 28                    | 16.8           | 57.3                  | 76.7     | 17             | 13.5 | 34 | 0.5                    | 20 | 19                          | 0.167                |
| SQD16                  | 16               | M16×1.5        | 22             | 23                    | 18             | 54.5                  | 76.3     | 19             | 15   | 38 | 0.5                    | 20 | 26                          | 0.238                |
| SQD16-1                | 16               | M16×2          | 22             | 29                    | 18             | 60.5                  | 82.3     | 19             | 15   | 38 | 0.5                    | 20 | 26                          | 0.238                |

| 轴承型号<br>Bearing number | 尺寸Dimensions(mm) |                |                       |                       |                       |                |                |          |                |                       |                       |                       |                       |                       |                |     | 负荷<br>NK<br>Load<br>Ratings | 重量<br>weight<br>(kg) |
|------------------------|------------------|----------------|-----------------------|-----------------------|-----------------------|----------------|----------------|----------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------|-----|-----------------------------|----------------------|
|                        | d                | d <sub>1</sub> | d <sub>2</sub><br>min | d <sub>3</sub><br>max | l <sub>1</sub><br>min | l <sub>2</sub> | S <sub>1</sub> | L<br>max | L <sub>1</sub> | L <sub>2</sub><br>max | L <sub>3</sub><br>max | D <sub>1</sub><br>max | D <sub>2</sub><br>max | D <sub>3</sub><br>max | S <sub>2</sub> | a   |                             |                      |
| SQZ 5-RS               | 5                | M5×0.8         | 9                     | 20                    | 8                     | 11             | 7              | 46       | 24             | 4                     | 12                    | 9                     | 11                    | 17                    | 9              | 15  | 2.8                         | 0.025                |
| SQZ6-RS                | 6                | M6×1.0         | 10                    | 20                    | 11                    | 12.2           | 8              | 55.2     | 28             | 5                     | 15                    | 10                    | 13                    | 20                    | 11             | 15  | 3.7                         | 0.041                |
| SQZ8-RS                | 8                | M8×1.25        | 12                    | 24                    | 12                    | 16             | 10             | 65       | 32             | 5                     | 16                    | 12.5                  | 16                    | 24                    | 14             | 15  | 5.8                         | 0.075                |
| SQZ10-RS               | 10               | M10×1.25       | 14                    | 30                    | 15                    | 19.5           | 11             | 74.5     | 35             | 6.5                   | 18                    | 15                    | 19                    | 28                    | 17             | 15  | 8.4                         | 0.12                 |
| SQZ10-RS               | 10               | M10×1.5        | 14                    | 30                    | 21                    | 19.5           | 11             | 80.5     | 35             | 6.5                   | 18                    | 15                    | 19                    | 28                    | 17             | 15  | 8.4                         | 0.12                 |
| SQZ 12-RS              | 12               | M12×1.25       | 17                    | 32                    | 17                    | 21             | 15             | 84       | 40             | 6.5                   | 20                    | 17.5                  | 22                    | 32                    | 19             | 15  | 11                          | 0.18                 |
| SQZ 12-RS              | 12               | M12×1.75       | 17                    | 32                    | 24                    | 21             | 15             | 91       | 40             | 6.5                   | 20                    | 17.5                  | 22                    | 32                    | 19             | 15  | 11                          | 0.18                 |
| SQZ 14-RS              | 14               | M14×1.5        | 19                    | 38                    | 22                    | 23.5           | 17             | 103      | 45             | 8                     | 25                    | 20                    | 25                    | 36                    | 22             | 11  | 15                          | 0.27                 |
| SQZ14-RS               | 14               | M14×2          | 19                    | 38                    | 28                    | 23.5           | 17             | 109      | 45             | 8                     | 25                    | 20                    | 25                    | 36                    | 22             | 11  | 15                          | 0.27                 |
| SQZ16-RS               | 16               | M16×1.5        | 22                    | 44                    | 23                    | 25.5           | 19             | 112      | 50             | 8                     | 27                    | 22                    | 27                    | 40                    | 22             | 11  | 15                          | 0.36                 |
| SQZ 16-RS              | 16               | M16×2          | 22                    | 44                    | 29                    | 25.5           | 19             | 118      | 50             | 8                     | 27                    | 22                    | 27                    | 40                    | 22             | 11  | 15                          | 0.36                 |
| SQZ18-RS               | 18               | M18×1.5        | 23                    | 45                    | 25                    | 31             | 20             | 130.5    | 58             | 10                    | 32                    | 25                    | 31                    | 45                    | 27             | 11  | 19                          | 0.54                 |
| SQZ 20-RS              | 20               | M20×1.5        | 27                    | 50                    | 25                    | 29             | 24             | 133      | 63             | 10                    | 38                    | 27.5                  | 34                    | 45                    | 30             | 7.5 | 19                          | 0.57                 |
| SQZ 22-RS              | 22               | M22×1.5        | 27                    | 52                    | 26                    | 33             | 24             | 145      | 70             | 12                    | 43                    | 30                    | 37                    | 50                    | 32             | 7.5 | 23                          | 0.76                 |

● Ball joint housing is an axial shank with the female thread, it is made up of zinc base alloy, stretching rod with right or left-hand thread.

球头座为附有带内螺纹的轴向伸出杆，螺纹有左右旋之分，用锌合金制造。

● The shank of ball joint housing maybe left-hand thread for left-hand thread suffix is added to bearings number and thread sign.

e.g. SQZL5-RS M5L-6H, the bearings number without seal is SQZ...

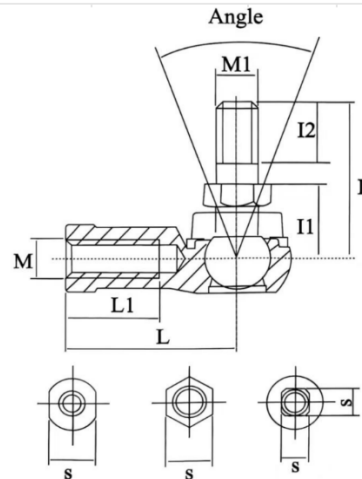
球头座杆螺纹也可为左旋，若是左旋，轴承型号需加“L” 螺纹示记应加“左”。

例如：SQZL5-RS M5左-6H，不带密封罩产品型号为SQZ...



## 锌合金 BL 系列

### ZINC ALLOY BL SERIES



| Model     |         | M<br>Thread | M1<br>Thread | L  | L1 | I  | I1   | L2 | S  | most<br>Pull(kn) | Angle | N.W. |
|-----------|---------|-------------|--------------|----|----|----|------|----|----|------------------|-------|------|
| BJZN40.10 | BL5-SF  | M5×0.8      | M5×0.8       | 27 | 14 | 20 | 10   | 8  | 5  | 2.0              | 40°   | 17g  |
| BJZN40.11 | BL5-LJ  | M5×0.8      | M5×0.8       | 27 | 14 | 20 | 10   | 8  | 9  | 2.0              | 40°   | 17g  |
| BJZN40.20 | BL6-SF  | M6×1.0      | M6×1.0       | 30 | 16 | 26 | 11   | 11 | 6  | 3.9              | 40°   | 27g  |
| BJZN40.21 | BL6-LJ  | M6×1.0      | M6×1.0       | 30 | 16 | 26 | 11   | 11 | 10 | 3.9              | 40°   | 27g  |
| BJZN40.30 | BL8-SF  | M8×1.25     | M8×1.25      | 36 | 19 | 31 | 14   | 12 | 8  | 6.0              | 40°   | 57g  |
| BJZN40.31 | BL8-LJ  | M8×1.25     | M8×1.25      | 36 | 19 | 31 | 14   | 12 | 12 | 6.0              | 40°   | 57g  |
| BJZN40.40 | BL10-SF | M10×1.5     | M10×1.5      | 43 | 23 | 37 | 17   | 15 | 10 | 11.0             | 40°   | 95g  |
| BJZN40.41 | BL10-LJ | M10×1.5     | M10×1.5      | 43 | 23 | 37 | 17   | 15 | 14 | 11.0             | 40°   | 95g  |
| BJZN40.50 | BL12-SF | M12×1.25    | M12×1.25     | 50 | 26 | 42 | 19   | 17 | 10 | 16.0             | 40°   | 165g |
| BJZN40.51 | BL12-LJ | M14×1.5     | M14×1.5      | 50 | 26 | 42 | 19   | 17 | 17 | 16.0             | 40°   | 165g |
| BJZN40.60 | BL14-SF | M16×2.0     | M16×2.0      | 57 | 30 | 56 | 21.5 | 19 | 14 | 19.0             | 40°   | 300g |
| BJZN40.61 | BL14-LJ | M18×2.0     | M18×2.0      | 57 | 30 | 56 | 21.5 | 19 | 19 | 19.0             | 40°   | 300g |

#### 产品描述:

- 1、转动灵活，无卡滞现象；
- 2、产品间隙轴向0.3mm 内和径向控制在0.1mm 内；
- 3、螺纹精度为6H级；
- 4、球头销采用40铬或35#钢；
- 5、球坐采用高度锌合金；
- 6、产品可以在-30℃到100℃能够正常使用，且能达到50万次动；
- 7、防尘罩内注入适量润滑油；
- 8、产品标准符合QC/T327-1999 要求。

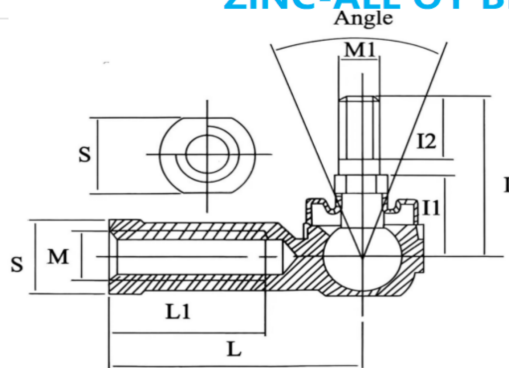
#### Product descriptions:

- 1.round smoothly without stagnation.
- 2.ball clearance:axial angle direction 0.1mm, axial clearance 0.3mm;
- 3.thread precision:grade 6H;
- 4.ball pin:1045 carbon steel or 40 cr steel;
- 5.ball housing:High intensive zinc alloy;
- 6.durability testing:It performs well after 500,000 cycles durability testing un der-30 to 100
- 7.lubricant:ball housing has adequate lubricant.
- 8refers to QC/T327-1999 and relevant standards:



## 锌合金 BL 系列

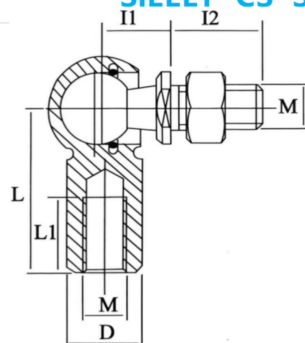
### ZINC-ALL OY BL SERIES



| Model  | M Thread | M1 Thread | L  | L1 | I    | 11   | 12   | S  | most Pull(kn) | Angle | N.W. |
|--------|----------|-----------|----|----|------|------|------|----|---------------|-------|------|
| LHSA5  | M5×0.8   | M5×0.8    | 27 | 14 | 23   | 10   | 11   | 8  | 2.5           | 40°   | 18g  |
| LHSA6  | M6×1.0   | M6×1.0    | 30 | 16 | 25   | 10   | 12   | 10 | 4             | 40°   | 30g  |
| LHSA8  | M8×1.25  | M8×1.25   | 36 | 18 | 31.5 | 14.5 | 17   | 14 | 6             | 40°   | 77g  |
| LHSA10 | M10×1.5  | M10×1.5   | 50 | 22 | 38   | 20   | 18.5 | 17 | 7             | 40°   | 110g |
| LHSA12 | M12×1.25 | M12×1.25  | 50 | 27 | 50   | 20   | 20   | 19 | 9             | 40°   | 177g |
| LHSA14 | M14×1.5  | M14×1.5   | 57 | 30 | 55   | 22.5 | 22   | 22 | 14            | 40°   | 278g |

## 钢铁CS(SQP) 系列 DIN 71802

### SIIELY CS SERIES DIN71802



| Model  |        | M<br>Thread | L  | L1   | 11 | 12   | D  | Ball Dia | SW | N.W. |
|--------|--------|-------------|----|------|----|------|----|----------|----|------|
| SQP5   | CSM5   | M5×0.8      | 22 | 10.2 | 9  | 10   | 8  | 8        | 7  | 15g  |
| SQP6   | CSM6   | M6×1.0      | 25 | 11.5 | 11 | 12.5 | 10 | 10       | 8  | 25g  |
| SQP8   | CSM8   | M8×1.25     | 30 | 14   | 13 | 16.5 | 13 | 13       | 11 | 50g  |
| SQP10  | CSM10  | M10×1.5     | 35 | 15.5 | 16 | 20   | 16 | 16       | 13 | 100g |
| SQP12  | CSM12  | M12×1.75    | 35 | 15.5 | 16 | 20   | 16 | 16       | 13 | 100g |
| SQP14F | CSM14F | M14×1.5     | 45 | 21.5 | 20 | 27   | 22 | 19       | 16 | 210g |
| SQP14  | CSM14  | M14×2.0     | 45 | 21.5 | 20 | 27   | 22 | 19       | 16 | 210g |
| SQP16  | CSM16  | M16×1.75    | 45 | 21.5 | 20 | 27   | 22 | 19       | 16 | 210g |

产品描述：

- 1、左牙可使用于座体
  - 2、C,CS 系列球头销有扳手平面
  - 3、可选择在座体处铣扳手平面
  - 4、可选择是否需防尘罩
- 材料：1、球头销：碳钢1045;座体：碳钢1020;  
内卡，外卡：弹簧钢  
-表面处理：电镀白锌或彩锌，镀铬

Product descriptions:

- 1.left-hand thread in the ball socket possible
- 2.spanner surface for type C and CS on the ball stud
- 3.the manufacturer reserves the right to supply the ball socket without a spanner surface
- 4.with or without sealing caps upon request-material:  
1)ball stud :carbon steel 1045;housing:carbon steel 1020  
inner/outer card:spring steel  
2)Surface treatment: Electroplated white zinc or colored zinc, chromium plating



## 用于液压部件的杆端关节轴承

### Rod ends for hydraulic components

## GIHO-K...DO

杆端体带有左旋或右旋的内螺纹。

由向心关节轴承组成GE...ES或GE...ES 2RS

和杆端座体组成。

带锁紧口和紧定螺栓。

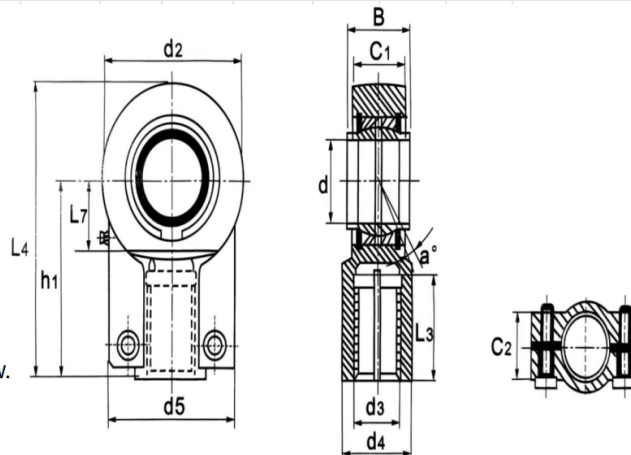
杆端座体带有润滑油孔或油杯。

The rod end body is equipped with left-hand or right-hand internal threads.

It consists of a radial spherical plain bearing (GE...ES or GE...ES 2RS) and a rod end housing.

It is provided with a locking notch and a set screw.

The rod end housing is fitted with a lubrication hole or grease nipple.



| 型号<br>Bearing<br>number | 尺寸mm<br>Dimensions |    |                |                |                |                |                |                |                |                       |                |                       |                      |    | 负荷KN<br>Load ratings |                         | 重量<br>Weight<br>kg |
|-------------------------|--------------------|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------------|----------------|-----------------------|----------------------|----|----------------------|-------------------------|--------------------|
|                         | D                  | B  | d <sub>1</sub> | h <sub>1</sub> | d <sub>2</sub> | d <sub>5</sub> | C <sub>1</sub> | C <sub>2</sub> | L <sub>4</sub> | L <sub>7</sub><br>min | d <sub>4</sub> | L <sub>3</sub><br>min | d <sub>3</sub><br>6H | α  | 动dyn.<br>C           | 静stat<br>C <sub>0</sub> |                    |
| GIHO-K 12DO*            | 12                 | 10 | 15.0           | 42             | 35             | 40             | 8              | 13             | 59.5           | 16                    | 17             | 15                    | M10×1.25             | 11 | 10.8                 | 17.0                    | 0.12               |
| GIHO-K 16DO             | 16                 | 14 | 20.7           | 48             | 45             | 45             | 11             | 13             | 70.5           | 20                    | 21             | 17                    | M12×1.25             | 10 | 21.1                 | 28.5                    | 0.22               |
| GIHO-K 20DO             | 20                 | 16 | 24.2           | 58             | 55             | 55             | 13             | 17             | 85.5           | 25                    | 25             | 19                    | M14×1.5              | 9  | 30.0                 | 42.5                    | 0.43               |
| GIHO-K 25DO             | 25                 | 20 | 29.3           | 68             | 65             | 62             | 17             | 17             | 100.5          | 30                    | 30             | 23                    | M16×1.5              | 7  | 48.0                 | 67.0                    | 0.67               |
| GIHO-K 30DO             | 30                 | 22 | 34.2           | 85             | 80             | 77             | 19             | 19             | 125            | 35                    | 36             | 29                    | M20×1.5              | 6  | 62.0                 | 108                     | 1.25               |
| GIHO-K 40DO             | 40                 | 28 | 45.0           | 105            | 100            | 90             | 23             | 23             | 155            | 45                    | 45             | 37                    | M27×2.0              | 7  | 100                  | 156                     | 2.16               |
| GIHO-K 50DO             | 50                 | 35 | 55.9           | 130            | 120            | 105            | 30             | 30             | 190            | 58                    | 55             | 46                    | M33×2.0              | 6  | 156                  | 245                     | 3.90               |
| GIHO-K 60DO             | 60                 | 44 | 66.8           | 150            | 160            | 134            | 38             | 38             | 230            | 68                    | 68             | 57                    | M42×2.0              | 6  | 245                  | 380                     | 7.15               |
| GIHO-K 80DO             | 80                 | 55 | 89.4           | 185            | 205            | 156            | 47             | 47             | 287.5          | 82                    | 90             | 64                    | M48×2.0              | 6  | 400                  | 585                     | 15.0               |
| GIHO-K 100DO            | 100                | 70 | 109.5          | 240            | 240            | 190            | 55             | 55             | 360            | 116                   | 110            | 86                    | M64×3.0              | 7  | 610                  | 865                     | 27.3               |

●若是左旋螺纹，轴承型号需加“L”，例如：GIHN-KL50 DO。

●带\*的型号均不能润滑

●For left-hand thread,suffix “L” is added to bearing number,e.g.GIHN-KL50 DO.

●Relubrication not possible for the sizes marked “\*”



## 用于液压部件的杆端关节轴承

### Rod ends for hydraulic components

杆端体带有左旋或右旋的内螺纹。

由向心关节轴承组成GE...ES或GE...ES 2RS

和杆端座体组成。

带锁紧口和紧定螺栓。

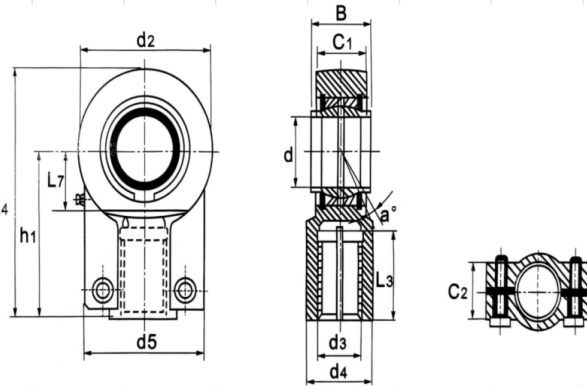
杆端座体带有润滑油孔或油杯。

The rod end body is equipped with left-hand or right-hand internal threads.

It consists of a radial spherical plain bearing (GE... or GE...ES 2RS) and a rod end housing.

It is provided with a locking notch and a set screw

The rod end housing is fitted with a lubrication h or grease nipple.



GK...CK

| 型号<br>Bearing<br>number | 尺寸mm<br>Dimensions |     |                |                      |                |                       |                |                |                |                       |                |                | 负荷KN<br>Load ratings |                | 重量<br>Weight<br>KG |
|-------------------------|--------------------|-----|----------------|----------------------|----------------|-----------------------|----------------|----------------|----------------|-----------------------|----------------|----------------|----------------------|----------------|--------------------|
|                         | d                  | B   | C <sub>1</sub> | d <sub>3</sub><br>6H | d <sub>4</sub> | L <sub>3</sub><br>min | d <sub>2</sub> | L <sub>4</sub> | h <sub>1</sub> | L <sub>7</sub><br>min | C <sub>2</sub> | d <sub>5</sub> | C                    | C <sub>0</sub> |                    |
| GK12 CK*                | 12                 | 12  | 11             | M12×1.25             | 16.5           | 17                    | 32             | 54             | 38             | 14                    | 11             | 32             | 10.8                 | 24.5           | 0.10               |
| GK16CK                  | 16                 | 16  | 14             | M14×1.5              | 21             | 19                    | 40             | 64             | 44             | 18                    | 14             | 40             | 17.6                 | 36.5           | 0.20               |
| GK20 CK                 | 20                 | 20  | 17             | M16×1.5              | 25             | 23                    | 47             | 77             | 52             | 22                    | 17             | 47             | 30.0                 | 48.0           | 0.40               |
| GK 25CK                 | 25                 | 25  | 22             | M20×1.5              | 30             | 29                    | 58             | 96             | 65             | 27                    | 19             | 54             | 48.0                 | 78             | 0.66               |
| GK32CK                  | 32                 | 32  | 28             | M27×2.0              | 38             | 37                    | 71             | 118.5          | 80             | 32                    | 22             | 66             | 67.0                 | 114            | 1.20               |
| GK40 CK                 | 40                 | 40  | 33             | M33×2.0              | 47             | 46                    | 90             | 146            | 97             | 41                    | 26             | 80             | 100                  | 204            | 2.10               |
| GK 50 CK                | 50                 | 50  | 41             | M42×2.0              | 58             | 57                    | 109            | 179.5          | 120            | 50                    | 32             | 96             | 156                  | 310            | 4.40               |
| GK63CK                  | 63                 | 63  | 53             | M48×2.0              | 70             | 64                    | 136            | 213            | 140            | 62                    | 38             | 114            | 255                  | 430            | 7.60               |
| GK 70 CK                | 70                 | 70  | 57             | M56×2.0              | 80             | 76                    | 155            | 245            | 160            | 70                    | 42             | 135            | 315                  | 540            | 9.50               |
| GK 80CK                 | 80                 | 80  | 66             | M64×3.0              | 90             | 86                    | 168            | 270            | 180            | 78                    | 48             | 148            | 400                  | 695            | 14.5               |
| GK 90 CK                | 90                 | 90  | 72             | M72×3.0              | 100            | 91                    | 185            | 296            | 195            | 85                    | 52             | 160            | 490                  | 750            | 17.0               |
| GK 100                  | 100                | 100 | 84             | M80×3.0              | 110            | 96                    | 210            | 322            | 210            | 98                    | 62             | 178            | 610                  | 1060           | 28.0               |
| GK                      | 110                | 110 | 88             | M90×3.0              | 125            | 106                   | 235            | 364            | 235            | 105                   | 62             | 190            | 655                  | 1200           | 32.0               |
| GK125                   | 125                | 125 | 102            | M100×3.0             | 135            | 113                   | 260            | 405            | 260            | 120                   | 72             | 200            | 950                  | 1430           | 43.0               |

●若是左旋螺纹，轴承型号需加“L”，例如：GKL 12 CK

●带\*的型号均不能润滑

●For left-hand thread,suffix "L" is added to bearing number,e.g.GKL 12CK.

●Relubricationnot possible for the sizes marked "\*"



## 用于液压部件的杆端关节轴承

### Rod ends for hydraulic components

杆端体带有左旋或右旋的内螺纹。

由向心关节轴承组成GE...ES或GE...ES 2RS

和杆端座体组成。

带锁紧口和紧定螺栓。

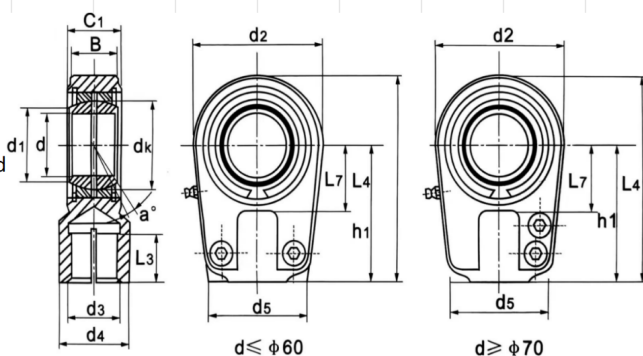
杆端座体带有润滑油孔或油杯。

The rod end body is equipped with left-hand or right-hand internal threads.

It consists of a radial spherical plain bearing (GE...ES or GE...ES 2RS) and a rod end housing.

It is provided with a locking notch and a set screw.

The rod end housing is fitted with a lubrication hole or grease nipple.



GK...NK

| 型号<br>Bearing<br>number | 尺寸mm<br>Dimensions |                      |                |                       |    |                |                |                       |                |                |                |                |                |        | 负荷KN<br>Load ratings |             | 重量<br>Weight<br>kg |
|-------------------------|--------------------|----------------------|----------------|-----------------------|----|----------------|----------------|-----------------------|----------------|----------------|----------------|----------------|----------------|--------|----------------------|-------------|--------------------|
|                         | d                  | d <sub>3</sub><br>6H | d <sub>4</sub> | L <sub>3</sub><br>min | B  | C <sub>1</sub> | d <sub>2</sub> | L <sub>7</sub><br>min | h <sub>1</sub> | L <sub>4</sub> | d <sub>5</sub> | d <sub>1</sub> | d <sub>k</sub> | a<br>≈ | 动dyn.<br>C           | 静stat<br>C0 |                    |
| GK20NK                  | 20                 | M16×1.5              | 25             | 17                    | 16 | 19             | 56             | 25                    | 50             | 80             | 46             | 24.2           | 29             | 9      | 30.0                 | 72.0        | 0.43               |
| GK25NK                  | 25                 | M16×1.5              | 25             | 17                    | 20 | 23             | 56             | 28                    | 50             | 80             | 46             | 29.3           | 35.5           | 7      | 48.0                 | 72.0        | 0.48               |
| GK30NK                  | 30                 | M22×1.5              | 32             | 23                    | 22 | 28             | 64             | 30                    | 60             | 94             | 50             | 34.2           | 40.7           | 6      | 62.0                 | 106         | 0.74               |
| GK35NK                  | 35                 | M28×1.5              | 40             | 29                    | 25 | 30             | 78             | 38                    | 70             | 112            | 66             | 39.8           | 47             | 6      | 80.0                 | 153         | 1.20               |
| GK40NK                  | 40                 | M35×1.5              | 49             | 36                    | 28 | 35             | 94             | 45                    | 85             | 135            | 76             | 45.0           | 53             | 7      | 100                  | 250         | 2.00               |
| GK50NK                  | 50                 | M45×1.5              | 61             | 46                    | 35 | 40             | 116            | 55                    | 105            | 168            | 90             | 55.9           | 66             | 6      | 156                  | 365         | 3.80               |
| GK60NK                  | 60                 | M58×1.5              | 75             | 59                    | 44 | 50             | 130            | 65                    | 130            | 200            | 120            | 66.8           | 80             | 6      | 245                  | 400         | 5.40               |
| GK70NK                  | 70                 | M65×1.5              | 86             | 66                    | 49 | 55             | 154            | 75                    | 150            | 237            | 130            | 77.9           | 92             | 6      | 315                  | 540         | 8.50               |
| GK80NK                  | 80                 | M80×2.0              | 105            | 81                    | 55 | 60             | 176            | 80                    | 170            | 265            | 160            | 89.4           | 105            | 6      | 400                  | 670         | 12.0               |
| GK90NK                  | 90                 | M100×2.0             | 124            | 101                   | 60 | 65             | 206            | 90                    | 210            | 323            | 180            | 98.1           | 115            | 5      | 490                  | 980         | 21.5               |
| GK100NK                 | 100                | M110×2.0             | 138            | 111                   | 70 | 70             | 230            | 105                   | 235            | 360            | 200            | 109.5          | 130            | 7      | 610                  | 1120        | 27.5               |
| GK110NK                 | 110                | M120×3.0             | 152            | 125                   | 70 | 80             | 265            | 115                   | 265            | 407.5          | 220            | 121.2          | 140            | 6      | 655                  | 1700        | 40.5               |
| GK120NK                 | 120                | M130×3.0             | 172            | 135                   | 85 | 90             | 340            | 140                   | 310            | 490            | 257            | 135.5          | 160            | 6      | 950                  | 2900        | 76.0               |

●若是左旋螺纹，轴承型号需加“L”，例如：GK30NK

●For left-hand thread,suffix "L" is added to bearing number,e.g.GK30NK.



## 用于液压部件的杆端关节轴承

### Rod ends for hydraulic components

杆端体带有左旋或右旋的内螺纹。

由向心关节轴承组成GE...ES或GE...ES 2RS

和杆端座体组成。

带锁紧口和紧定螺栓。

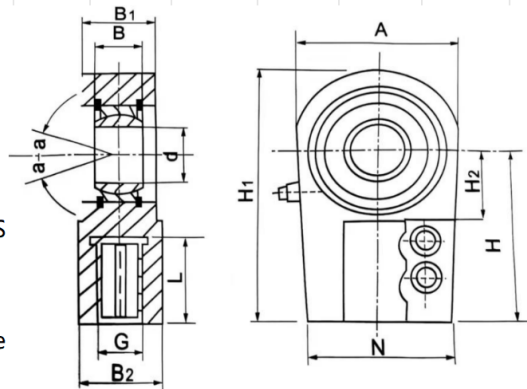
杆端座体带有润滑油孔或油杯。

The rod end body is equipped with left-hand or right-hand internal threads.

It consists of a radial spherical plain bearing (GE...ES or GE...ES 2RS) and a rod end housing.

It is provided with a locking notch and a set screw.

The rod end housing is fitted with a lubrication hole or grease nipple.



**GK...SK**



| 型号<br>Bearing<br>number | 尺寸mm<br>Dimensions |        |     |                |                |                |     |     |     |     |                | 负荷KN<br>Load ratings |                         | 重量<br>Weight<br>≈kg |
|-------------------------|--------------------|--------|-----|----------------|----------------|----------------|-----|-----|-----|-----|----------------|----------------------|-------------------------|---------------------|
|                         | D                  | G      | B   | B <sub>1</sub> | B <sub>2</sub> | h <sub>2</sub> | L   | A   | N   | H   | H <sub>1</sub> | 动dyn<br>C            | 静stat<br>C <sub>0</sub> |                     |
| GK20 SK                 | 20                 | M18×2  | 16  | 23             | 28             | 25             | 30  | 56  | 48  | 65  | 95             | 48                   | 82                      | 0.42                |
| GK 25SK                 | 25                 | M18×2  | 20  | 23             | 28             | 25             | 30  | 56  | 48  | 65  | 95             | 63                   | 82                      | 0.57                |
| GK 30 SK                | 30                 | M24×2  | 22  | 28             | 34             | 30             | 35  | 64  | 54  | 75  | 109            | 82.7                 | 122                     | 0.91                |
| GK35 SK                 | 35                 | M30×2  | 25  | 30             | 44             | 40             | 45  | 78  | 66  | 90  | 132            | 107                  | 177                     | 1.9                 |
| GK40 SK                 | 40                 | M39×3  | 28  | 35             | 55             | 45             | 55  | 94  | 78  | 105 | 155            | 135                  | 287                     | 3.0                 |
| GK 50 SK                | 50                 | M50×3  | 35  | 40             | 70             | 55             | 75  | 116 | 90  | 135 | 198            | 210                  | 422                     | 4.9                 |
| GK60 SK                 | 60                 | M64×3  | 44  | 50             | 87             | 65             | 95  | 130 | 118 | 170 | 240            | 234                  | 522                     | 7.5                 |
| GK 70 SK                | 70                 | M80×3  | 49  | 55             | 105            | 75             | 110 | 154 | 130 | 195 | 278            | 431                  | 707                     | 11.5                |
| GK 80 Sk                | 80                 | M90×3  | 55  | 60             | 125            | 80             | 120 | 176 | 158 | 210 | 305            | 554                  | 870                     | 16.5                |
| GK90 SK                 | 90                 | M100×3 | 60  | 65             | 150            | 90             | 140 | 206 | 162 | 250 | 365            | 671                  | 1284                    | 35.5                |
| GK 100 SK               | 100                | M110×4 | 70  | 70             | 170            | 105            | 150 | 230 | 172 | 275 | 400            | 842                  | 1460                    | 43.5                |
| GK 110 SK               | 110                | M120×4 | 70  | 80             | 180            | 115            | 160 | 264 | 194 | 300 | 442            | 910                  | 2024                    | 60.5                |
| GK 120 SK               | 120                | M150×4 | 85  | 90             | 210            | 140            | 190 | 334 | 224 | 360 | 540            | 1336                 | 2970                    | 96.5                |
| GK 140 SK               | 140                | M160×4 | 90  | 110            | 230            | 185            | 200 | 380 | 252 | 420 | 620            | 1665                 | 3500                    | 138                 |
| GK160 Sk                | 160                | M180×4 | 105 | 110            | 260            | 200            | 220 | 480 | 290 | 460 | 710            | 1935                 | 4302                    | 209                 |

●也可以制造-2RS 型结构，例如：GK50 SK 2RS

●带\*的型号均不能润滑。

●sealed design also available, e.g. GK50 SK 2RS

●Relubrication not possible for the sizes marked “\*”

若是左旋螺纹，轴承型号需加 “L” 例如：

GKL50SK或GKL50SK-2RS



## 用于液压部件的杆端关节轴承

### Rod ends for hydraulic components

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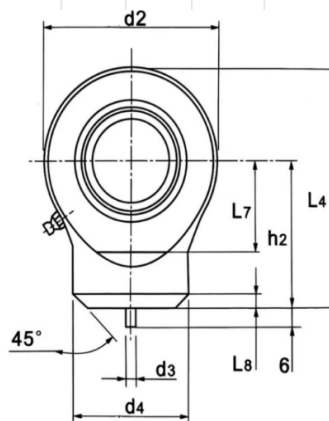
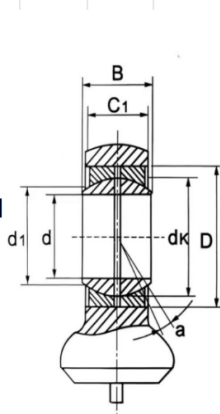
带锁紧口和紧定螺栓。

杆端座体带有润滑油孔或油杯。

The rod end body is equipped with left-hand or right-hand internal threads.

It consists of a radial spherical plain bearing (GE...ES or GE...ES 2RS) and a rod end housing.

It is provided with a locking notch and a set



**GK...DO**



| 型号<br>Bearing<br>number | 尺寸Dimensions |                |    |                |                |                |       |                |                       |                |                |                |     |        | 负荷KN<br>Load ratings |             | 重 量<br>Weight<br>kg |
|-------------------------|--------------|----------------|----|----------------|----------------|----------------|-------|----------------|-----------------------|----------------|----------------|----------------|-----|--------|----------------------|-------------|---------------------|
|                         | d            | d <sub>1</sub> | B  | C <sub>1</sub> | d <sub>k</sub> | d <sub>2</sub> | L4    | h <sub>2</sub> | L <sub>7</sub><br>min | L <sub>8</sub> | d <sub>3</sub> | d <sub>4</sub> | D   | α<br>≈ | 动dyn.<br>C           | 静stat<br>Co |                     |
| GK10 DO*                | 10           | 13.2           | 9  | 7              | 16             | 29             | 38.5  | 24             | 15                    | 1.5            | 3              | 15             | 19  | 12     | 8.15                 | 15.6        | 0.041               |
| GK 12 DO*               | 12           | 15.0           | 10 | 8              | 18             | 34             | 44    | 27             | 18                    | 1.5            | 3              | 17.5           | 22  | 11     | 10.8                 | 21.6        | 0.066               |
| GK 15DO                 | 15           | 18.4           | 12 | 10             | 22             | 40             | 51    | 31             | 20                    | 2.0            | 4              | 21             | 26  | 8      | 17.0                 | 32.0        | 0.12                |
| GK17 DO                 | 17           | 20.7           | 14 | 11             | 25             | 46             | 58    | 35             | 23                    | 2.0            | 4              | 24             | 30  | 10     | 21.2                 | 40.0        | 0.19                |
| GK 20 DO                | 20           | 24.2           | 16 | 13             | 29             | 53             | 64.5  | 38             | 27.5                  | 2.0            | 4              | 27.5           | 35  | 9      | 30.0                 | 54.0        | 0.23                |
| GK25 DO                 | 25           | 29.3           | 20 | 17             | 35.5           | 64             | 77    | 45             | 33                    | 3.0            | 4              | 33.5           | 42  | 7      | 48.0                 | 72.0        | 0.43                |
| GK 30 DO                | 30           | 34.2           | 22 | 19             | 40.7           | 73             | 87.5  | 51             | 37.5                  | 3.0            | 4              | 40             | 47  | 6      | 62.0                 | 95.0        | 0.64                |
| GK 35 DO                | 35           | 39.8           | 25 | 21             | 47             | 82             | 102   | 61             | 43                    | 3.0            | 4              | 47             | 55  | 6      | 80.0                 | 125         | 0.96                |
| GK40 DO                 | 40           | 45.0           | 28 | 23             | 53             | 92             | 115   | 69             | 48                    | 4.0            | 4              | 52             | 62  | 7      | 100                  | 156         | 1.30                |
| GK45 DO                 | 45           | 50.8           | 32 | 27             | 60             | 102            | 128   | 77             | 52                    | 4.0            | 6              | 58             | 68  | 7      | 127                  | 208         | 1.80                |
| GK50 DO                 | 50           | 55.9           | 35 | 30             | 66             | 112            | 144   | 88             | 59                    | 4.0            | 6              | 62             | 75  | 6      | 156                  | 250         | 2.50                |
| GK60 DO                 | 60           | 66.8           | 44 | 38             | 80             | 135            | 167.5 | 100            | 72.5                  | 4.0            | 6              | 70             | 90  | 6      | 245                  | 390         | 3.90                |
| GK70 DO                 | 70           | 77.9           | 49 | 42             | 92             | 160            | 195   | 115            | 86                    | 5.0            | 6              | 80             | 105 | 6      | 315                  | 510         | 6.60                |
| GK80 DO                 | 80           | 89.4           | 55 | 47             | 105            | 180            | 231   | 141            | 98                    | 5.0            | 6              | 95             | 120 | 6      | 400                  | 620         | 8.70                |

●也可以制造2RS 型结构, 例如: GK50 DO-2RS

●带\*的型号均不能润滑

●Sealed design also available, e.g. GK50 DO-2RS

●Relubrication not possible for the sizes marked "\*" .



## 用于液压部件的杆端关节轴承

### Rod ends for hydraulic components

杆端体带有左旋或右旋的内螺纹。

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和杆端座体组成。

带锁紧口和紧定螺栓。

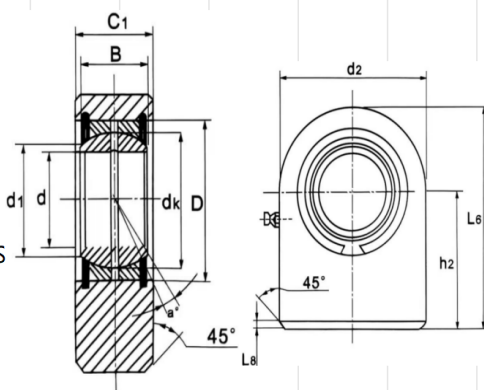
杆端座体带有润滑油孔或油杯。

The rod end body is equipped with left-hand or right-hand internal threads.

It consists of a radial spherical plain bearing (GE...ES or GE...ES 2RS) and a rod end housing.

It is provided with a locking notch and a set screw.

Rod end housing is fitted with a lubrication hole or grease nipple.



GF...DO

| 型 号<br>Bearing<br>number | 尺寸mm<br>Dimensions |                |    |                |                |                |                |                |     |                | 负荷KN<br>Load ratings |                         | 重 量<br>Weight<br>kg |
|--------------------------|--------------------|----------------|----|----------------|----------------|----------------|----------------|----------------|-----|----------------|----------------------|-------------------------|---------------------|
|                          | d                  | C <sub>1</sub> | B  | d <sub>2</sub> | L <sub>6</sub> | h <sub>2</sub> | d <sub>k</sub> | d <sub>1</sub> | D   | L <sub>8</sub> | 动dyn.<br>C           | 静stat<br>C <sub>0</sub> |                     |
| GF20 DO                  | 20                 | 19             | 16 | 50             | 63             | 38             | 29             | 24.2           | 35  | 2              | 30.0                 | 67.0                    | 0.35                |
| GF 25 DO                 | 25                 | 23             | 20 | 55             | 72.5           | 45             | 35.5           | 29.3           | 42  | 2              | 48.0                 | 69.5                    | 0.53                |
| GF 30 DO                 | 30                 | 28             | 22 | 65             | 83.5           | 51             | 40.7           | 34.2           | 47  | 2              | 62.0                 | 118                     | 0.87                |
| GF35 DO                  | 35                 | 30             | 25 | 83             | 102.5          | 61             | 47             | 39.8           | 55  | 2              | 80.0                 | 196                     | 1.50                |
| GF40 DO                  | 40                 | 35             | 28 | 100            | 119            | 69             | 53             | 45.0           | 62  | 3              | 100                  | 300                     | 2.40                |
| GF 45 DO                 | 45                 | 40             | 32 | 110            | 132            | 77             | 60             | 50.8           | 68  | 3              | 127                  | 380                     | 3.40                |
| GF 50 DO                 | 50                 | 40             | 35 | 123            | 149.5          | 88             | 66             | 55.9           | 75  | 3              | 156                  | 440                     | 4.40                |
| GF 60DO                  | 60                 | 50             | 44 | 140            | 170            | 100            | 80             | 66.8           | 90  | 4              | 245                  | 570                     | 7.10                |
| GF 70 DO                 | 70                 | 55             | 49 | 164            | 197            | 115            | 92             | 77.9           | 105 | 4              | 315                  | 695                     | 10.5                |
| GF80 DO                  | 80                 | 60             | 55 | 180            | 231            | 141            | 105            | 89.4           | 120 | 4              | 400                  | 780                     | 15.0                |
| GF90 DO                  | 90                 | 65             | 60 | 226            | 263            | 150            | 115            | 98.1           | 130 | 4              | 490                  | 1340                    | 23.5                |
| GF 100 DO                | 100                | 70             | 70 | 250            | 295            | 170            | 130            | 109.5          | 150 | 4              | 610                  | 1500                    | 31.5                |
| GF 110 DO                | 110                | 80             | 70 | 295            | 332.5          | 185            | 140            | 121.2          | 160 | 4              | 655                  | 2160                    | 48.5                |
| GF 120DO                 | 120                | 90             | 85 | 360            | 390            | 210            | 160            | 135.5          | 180 | 4              | 950                  | 3250                    | 79.0                |

●也可以制造-2RS型结构，例如：GF70 DO 2RS

●sealed design also available, e.g. GF70 DO-2RS



## 用于液压部件的杆端关节轴承

### Rod ends for hydraulic components

杆端座体带有可焊接的基座

由向心关节轴承GE...LO和杆端座体组成

杆端座体带有润滑油孔或油杯

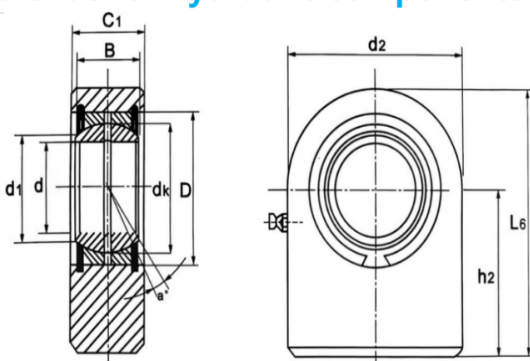
Rod end housing with weldable base

It is made up of a radial spherical plain bearing

GE...LO and Rod end housing

Rod end housing with a lubricating hole OR

grease nipple



| 型号<br>Part<br>number | 尺寸mm<br>Dimensions |     |                |                |                |                |                |        | 负荷KN<br>Load Ratings |                          | 重量kg<br>Weight |
|----------------------|--------------------|-----|----------------|----------------|----------------|----------------|----------------|--------|----------------------|--------------------------|----------------|
|                      | d                  | B   | d <sub>1</sub> | h <sub>2</sub> | d <sub>2</sub> | C <sub>1</sub> | L <sub>6</sub> | α<br>≈ | 动dyn.<br>C           | 静stat.<br>C <sub>0</sub> |                |
| GF20LO               | 20                 | 20  | 25             | 38             | 50             | 19             | 63             | 4      | 30                   | 74                       | 0.36           |
| GF25LO               | 25                 | 25  | 30.5           | 45             | 55             | 23             | 72.5           | 4      | 48                   | 95                       | 0.54           |
| GF32LO               | 32                 | 32  | 38             | 65             | 70             | 27             | 100            | 4      | 62.5                 | 168                      | 1.12           |
| GF40LO               | 40                 | 40  | 46             | 69             | 100            | 35             | 119            | 4      | 100                  | 268                      | 2.50           |
| GF50LO               | 50                 | 50  | 57             | 88             | 123            | 40             | 149.5          | 4      | 156                  | 362                      | 4.60           |
| GF63LO               | 63                 | 63  | 71.5           | 107            | 145            | 50             | 179.5          | 4      | 248                  | 570                      | 9.30           |
| GF70LO               | 70                 | 70  | 79             | 115            | 164            | 55             | 197            | 4      | 315                  | 800                      | 11.25          |
| GF80LO               | 80                 | 80  | 91             | 141            | 180            | 60             | 231            | 4      | 400                  | 874                      | 15.75          |
| GF90LO               | 90                 | 90  | 99             | 150            | 226            | 65             | 263            | 4      | 490                  | 1045                     | 24.00          |
| GF100LO              | 100                | 100 | 113            | 170            | 250            | 70             | 295            | 4      | 610                  | 1330                     | 33.95          |
| GF110LO              | 110                | 110 | 124            | 185            | 295            | 80             | 332.5          | 4      | 655                  | 1490                     | 49.00          |

-也可制造-2RS 型结构, 例如: GF 70HO 2RS。

-Sealed design also available,e.g.GF 70 HO 2RS.