



**FGJ<sup>®</sup>**  
**福南轴承**  
Funan  
Bearing

**2020**  
产品型录  
PRODUCT CATALOG



# 目录

## Table Of Contents



---

|   |      |
|---|------|
| 前言 Foreword .....                                   | 1-14 |
| 轴承与座结合表 Bearing and housing combination table ..... | 1-14 |



# 企业精神

Entrepreneurial spirit ➤



团结 拼搏 诚信 创新

Unity  
Fight hard  
Integrity  
Innovation



# 关于我们

# About Us



福建福南轴承有限公司创建于1993年，是一家专业生产带座外球面球轴承，各种英制轴承及非标轴承的企业。公司占地面积十万平方米，380多名员工，拥有先进的轴承和轴承座自动生产线，年产铸件12000吨、轴承座800万件、轴承500万套。

公司下设三个分厂，轴承分厂：主要生产UC200系列、SA200系列、SB200系列、UEL200系列、UK200系列、SER200系列、CS200系列、UC300系列及各种带座外球面轴承系列。同时也开发生产其它英制及非标轴承。轴承座分厂：主要是各系列轴承座的机加工，轴承座的表面喷涂。铸造分厂：主要生产灰口铸铁和球墨铸铁P、F、FL、T、FC、PH、PA、HA、FB、FA、C各系列外球面轴承座、高压特种阀门。公司以设计优化，工艺先进，设备精良，测试手段完备，严格按ISO标准生产而著称！

公司生产的FGJ牌轴承产品质量可靠，综合性能稳定，广泛应用在：矿山、冶金、收割机、纺织机械和健身器材等领域。公司2019年通过ISO 9001: 2015质量管理体系认证。公司以品牌建设为方向、管理为基础、质量为本、持续改进的发展理念，不断追求更大的市场，更优的服务、更好的信誉和效益。目前公司正步入一个新的历史时期，面对激烈的市场竞争，新产品的开发也是公司长期的市场战略目标。我们将以一流的服务水平，便捷的供货方式，最优惠的价格竭诚为国内外新老客户提供优质品牌轴承！

Fujian Funan Bearing Co., Ltd. was founded in 1993. It is a professional manufacturer of outer spherical outside, various inch bearings and non-surface bearings. The company covers an area of 35,000 square meters, has more than 380 employees, has advanced automatic bearing production lines, and produces more than 7 million sets of bearings per year.

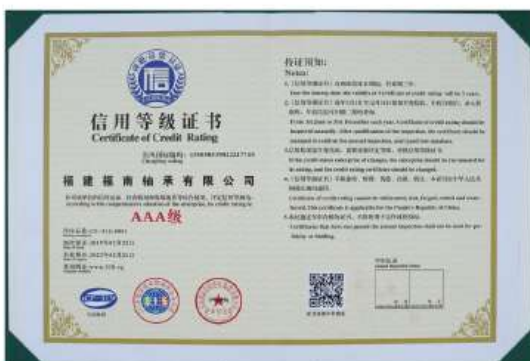
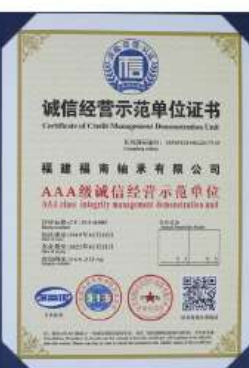
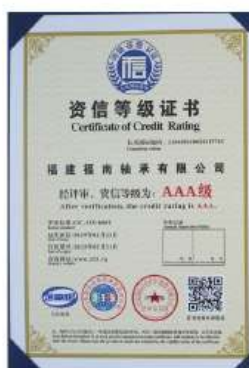
The company has two branch factories, bearing branch factories: mainly produce UC200 series, SA200 series, SB200 series, UEL200 series, UK200 series, SER200 series, CS200 series, UC300 series and various outer spherical bearing series with seat. It also develops and produces other inch and non-standard bearings. Foundry branch: mainly produces gray iron and ductile iron P, F, FL, T, FC, PH, PA, HA, FB, FA, C series of outer spherical bearing seats, high-pressure special valves. The company is known for its optimized design, advanced technology, sophisticated equipment, complete testing methods, and strict production according to ISO standards!

The FZB brand bearing products produced by the company are of reliable quality and stable comprehensive performance, and are widely used in the fields of mining, metallurgy, harvesters, textile machinery and fitness equipment. The company passed the ISO 9001: 2015 quality management system certification in 2008. The company adheres to the quality policy of "quality first, integrity eternal", and constantly pursues the largest market, the best service, the best reputation and good social benefits. At present, the company is entering a new historical period. In the face of fierce market competition, the development of new products is also the company's long-term market strategy goal. We will wholeheartedly provide high-quality brand bearings for new and old customers at home and abroad with first-class service level, convenient supply method and best price!





# 企业荣誉资质



# 细节决定成败



## Details Make A Difference

---

产品质量和服务是企业致胜的前提，客户对产品服务质量的的评价决定企业的生存和发展。所以我们十分注重确保产品质量。严格遵循“注重细节、精益求精、追求完美”的作业理念。

品质是企业生存和发展的灵魂。为不断追求一流的产品、提供一流的服务、创一流的经济效益，福南轴承每位员工都把“注重细节、精益求精、追求完美”的理念深深根植于心中，贯彻到每一项工作中。

企业要求每一位员工必须百分之百地按照标准化作业，照章做事：以细致严谨的工作态度对待每一项工作，不抱任何的侥幸心理：树立精品意识，力求完美，确保为顾客提供最完美的产品和最满意的服务！

Product quality and service are the prerequisites for an enterprise to win. Customers' evaluation of product and service quality determines the survival and development of the enterprise. So we pay great attention to ensuring product quality. Strictly follow the operation concept of "attention to details, strict operation, and pursuit of perfection".

Quality is the soul of enterprise survival and development. In order to continuously pursue first-class products, provide first-class services, and create first-class economic benefits, every employee of Funan Bearing deeply roots the concept of "attention to details, strict operation, and pursuit of perfection" in their hearts and implements them in every job.

The company requires that every employee must be 100% in accordance with standardized operations and do things in accordance with the rules: treat each job with a meticulous and rigorous work attitude, and do not have any fluke psychology: establish a sense of quality, strive for perfection, and ensure to provide customers with the most perfect products and the most satisfactory service!







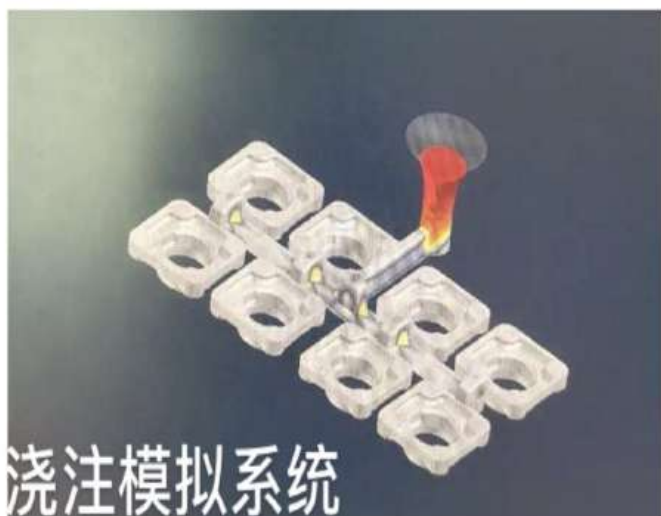
生产车间  
Production  
workshop





# 技术操作

## Technical operation





# 检验中心

## Physical and Chemical Inspection Center

企业拥有专业的技术人员，常年致力于带座外球面球轴承的开发与研究，丰富的制造经验和先进齐全的检测设备。从进料检验到批量生产各阶段，建立起了一套完善的检测系统。为基础研究和质量控制提供了可靠的试验数据。

The company has professional technical staff, and is dedicated to the development and research of mounted ball bearing units and spherical bearings all year round, with rich manufacturing experience and advanced and complete testing equipment. From each stage of incoming inspection to mass production, a complete testing system has been established. Provide reliable test data for basic research and quality control.





# 产品展示 与应用

## Products





# 办公环境

Office environment





# 客户来访

Customer visit





态度决定一切

细节决定成败

ATTITUDE DECIDES EVERYTHING

DETAILS MAKE

A DIFFERENCE

\*\*\*\*\*

南轴





# 为客户奉献美好和员工共享未来

Dedication To Customers And Sharing The Future With Employees

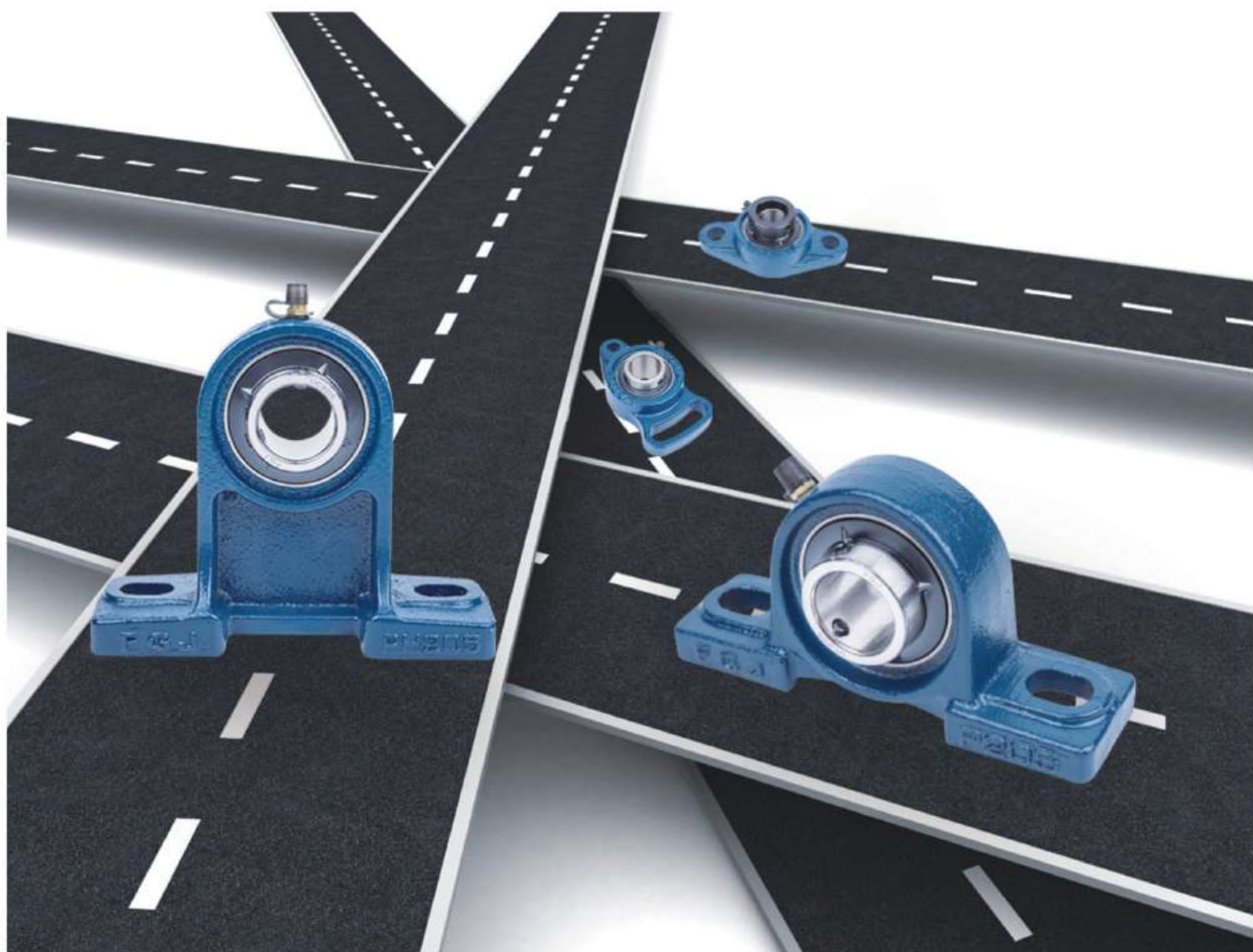


公司恪守以客户为中心的经营宗旨，努力提供最新、最优质的产品和最完善的服务，倡导“以人为本、品质第一、用户至上”的文化理念。致力打造卓越的品质，为客户创造应有的价值，为社会创造财富。

在“福南”我们提倡“团结、敬业、求实、创新、高效”，我们欣赏并尊重每一位员工的聪明才智和人格尊严，为每一位员工创造发挥才华的机会，使企业的发展与员工的成长齐驾并进。

The company abides by the customer-centric business tenet, strives to provide the latest and highest quality products and the most complete services, and advocates the cultural concept of "people-oriented, quality first, customer first". Committed to creating excellent quality, creating due value for customers, and creating wealth for society.























In "Funan", we advocate "unity, dedication, truth-seeking, innovation, and efficiency". We appreciate and respect the wisdom and personal dignity of each employee, create opportunities for each employee to display their talents, and enable the development of the company's growth goes hand in hand.





## 轴承与座结合表

Bearing and housing combination table

| 座<br>Housing  | 轴承<br>Bearing  | 带顶丝类型<br>Type with top wire  |  | 带偏心套类型<br>With eccentric sleeve type   |   | 带紧定套类型<br>With adapter sleeve type   | 其他类型<br>Other types  |
|---|----------------|--|--|--|---|--|--|
|   |                | <br>UC200 UC300 UCX00 | <br>SB200 | <br>HC200 HC300 | <br>SA200 | <br>UK200 UK300 |  <br>CSA200 CSB200 |
|    | P200<br>P300   | UCP200<br>UCP300   | SBP200G  | HCF200<br>HCF300   | SAP200G   | UKP200<br>UKP300   |  |
|    | F200<br>F300   | UCF200<br>UCF300   | SBF200G  | HCFL200<br>HCFL300   | SAF200G   | UKF200<br>UKF300   |  |
|    | FL200<br>FL300 | UCFL200<br>UCFL300   | SBFL200G   | HCT200<br>HCT300   | SAFL200G  | UKFL200<br>UKFL300   |  |
|    | T200<br>T300   | UCT200<br>UCT300   |  | HCFC200  |   | UKT200<br>UKT300   |  |
|   | FC200<br>FC300 | UCFC200  |  | HCPH200  |   | UKFC200  |  |
|  | PH200          | UCPH200  |  | HCPA200  |   | UKPH200  |  |
|  | PA200          | UCHA200  |  | HCHA200  |   | UKPA200  |  |
|  | HA200          | UCFA200  |  | HCFB200  |   | UKHA200  |  |
|  | FB200          | UCFB200  |  | HCFA200  |   | UKFB200  |  |
|  | FA200          | UCFA200  |  | HCC200   |   | UKFA200  |  |
|  | C200           | UCC200   |  |  |   | UKC200   |  |
|  | PP200          |  | SBPP200  |  | SAP200  |  |  |
|  | PF200          |  | SBPF200  |  | SAPF200   |  |  |
|  | PFL200         |  | SBPFL200   |  | SAPFL200  |  |  |
|  | PFT200         |  | SBPTF200   |  | SAPTF200  |  |  |



## 带立式座顶丝外球面球轴承构造

Structure of outer spherical ball bearing with vertical housing top wire



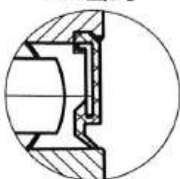

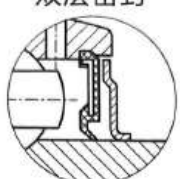

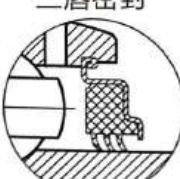
- 铸铁座：刚性整体结构，易安装。
- 宽内圈：利于用顶丝锁紧，刚性更好。
- 顶丝：内圈上两个120°夹角的顶丝，确保轴承容易与轴紧固。
- 挡圈：两边各有一件，将尘埃有效地阻挡在外。
- 接触式橡胶密封：安装在靠两边挡圈的内侧，保证润滑脂在滚动体与滚道间有效地润滑。
- 油嘴：从该处可注入新的润滑脂。
- 可调球面：当轴有不可避免的变形，或安装难保证同轴度时，可自动进行调节补偿。



## 结构特点

- 带座外球面球轴承由外球面球轴承和轴承座两大部份构成。轴承与座的配合面为球面，因此能自动调整补偿中心误差。
- 轴承按与轴的夹紧方式分类，通常有四类:带顶丝类;带偏心套类；圆锥孔带紧定套类;锁紧套类。
- 轴承座按材质分类，通常有两个大类:铸造座和冲压座。
- 外球面球轴承设计有各种不同的密封装置，可根据不同的工作环境来选用不同的密封结构，从而保证轴承的可靠性和较长的使用寿命。

## 密封结构

|   |   |
|---|---|
| <p>RS密封</p>    | <p>RS型橡胶密封用丁腈橡胶经硫化成形，利用橡胶的弹性固定在外圈密封槽内，可拆卸。橡胶内唇与内圈外径接触，具有耐磨、耐油及较好的机械稳定性。</p>                 |
| <p>防尘密封</p>   | <p>冲压成形的优质钢骨架，固定在外圈密封槽内，钢性接触，牢固可靠；骨架的内部粘有丁腈橡胶唇与内圈外径接触，防止尘、砂等杂物的侵入。</p>                      |
| <p>双层密封</p>  | <p>里面装有一个RS橡胶密封，固定在外圈密封槽内，外面再有一个甩尘的挡圈钢性固定在内圈的外径，这种迷宫式密封结构有效地防止尘埃的侵入和润滑脂的漏出。</p>             |
| <p>F密封</p>   | <p>充填橡胶片组合式密封圈，它由两件冲压成形的优质钢骨架和一片丁腈橡胶片组合在一起，牢固地安装在外圈槽内，因此，该密封不会因过量注脂而挤出，也不会因装配时的冲击振动而松动。</p> |
| <p>三唇密封</p>  | <p>该密封的优质钢骨架与外圈牢固地铆合在一起，密封的三条丁腈橡胶唇与内圈外径有较大的接触，能有效地防止水、尘埃、砂砾等杂物的侵入，适用于环境恶劣的场合。</p>           |



**带座外球面球轴承类型**

|   |   |
|---|---|
|    | <p>1.带铸造立式座</p> <p>UCP2,NAP2,UKP2+H,SBP2G,SAP2G<br/>UCP2M,NAP2M,UKP2M+H<br/>UCK2,NAPK2<br/>UCPX SALP2G,SBLP2G<br/>UCP3,NAP3,UKP3+H</p> <p>立式座有多种尺寸系列：P200、P200M、P300、PK200、PX00、LP200。<br/>它能与各种不同类型的外球面轴承组成不同的轴承单元。是一种应用最为广泛的带座外球面轴承。</p>  |
|    | <p>2.带铸造高中心立式座</p> <p>UCPH2,NAPH2,UKPH2+H</p> <p>这是一种加高了中心高的立式座。</p>  |
|   | <p>3.铸造窄立式座</p> <p>UCPA2,NAPA2,UKPA2+H<br/>UCPA2A<br/>UCPG2</p> <p>这种座结构非常紧凑，安装螺孔在底部，减少了安装空间。因市场需求不同，其系列有：PA200、PA200A、PG200。</p>   |
|  | <p>4.带铸造方形座</p> <p>UCF2,NAF2,UKF2+H,SAF2G<br/>UCFX,SBF2G,UCFU2,NAFU2,SAFU2G<br/>UCF3,NAF3,UKF3+H</p> <p>这是一种广泛用于机械设备中的带座轴承单元，有四孔安装，较为稳固；能与各种不同类型的外球面球轴承组成不同的轴承单元。<br/>尺寸系列有：F200、F300、FX00、FU200。</p> <p>带铸造凸台方形座<br/>它的底面有圆形凸台，与机械止口配合，用于中心位置要求较高的场合。</p> <p>UCFS3,NAFS3,UKFS3+H</p> |
|  | <p>5.带铸造凸台圆形座</p> <p>UCFC2,NAFC2,UKFC2+H</p> <p>底面带有装配定位凸台，可装在主机侧壁；<br/>用于对轴中心位置要求较高的场合。</p>  |
|  | <p>6.带铸造菱形座</p> <p>UCFL2,NAFL2,UCFLX,SAFL2G,UCFLU2,NAFLU2<br/>SAFLU2G,UKFL2+H,SBFL2G<br/>UCFL3,NAFL3,UKFL3+H</p> <p>该座具有两个安装孔，所需空间小，安装方便，使用广泛。<br/>尺寸系列有：FL200、FL300、FLU200、FLX00。</p>  |





|   |   |
|---|---|
|    | <p>7.带铸造轻菱形座、三角形座<br/>用于空间更小、结构更紧凑的场合。</p> <p>SALF2G,SBLF2G,SALFTC2G,SBLFTC2G<br/>SAFD2G,SBFD2G<br/>SAPFTD2, SBPFTD2,或SAPFTD2G,SBPFTD<br/>2GSAFCT2,SBFCT2,或SAFCT2G,SBFCT2G</p> <p>LF,LFTC,FD<br/>PFTD,FCT</p> <p>材质<br/>灰铸铁<br/>球墨铸铁</p> <p>安装孔形状<br/>圆孔<br/>方孔</p> |
|    | <p>8.带铸造悬挂式座</p> <p>UCFB2</p> <p>该轴承单元有三个安装孔，都位于轴心一侧，用于安装空间受限制，不能用其它普通轴承单元的情况。</p>  |
|   | <p>9.带铸造可调菱形座</p> <p>UCFA2</p> <p>该轴承单元有两个安装孔，其中一个为槽形孔，用于轴心位置需要调整的情况。</p>   |
|  | <p>10.带铸造滑块座</p> <p>UCT2, NAT2<br/>UCST2<br/>UCT3, NAT3</p> <p>该轴承单元可在固定的轨道上滑动，使轴的中心可改变。<br/>由于滑槽不同，有T200系列和ST200系列。</p>  |
|  | <p>11.带铸造环形座</p> <p>UCC2<br/>UCC3</p> <p>铸造环形座具有配合公差要求的外圆柱表面，用于非轴向定位支承，也可用于长轴的中间定位。</p>   |
|  | <p>12.带铸造悬吊式座</p> <p>UCHA2</p> <p>铸造悬吊式座安装在用管螺纹连接的输送机械。</p>   |



|   |   |
|---|---|
|    | <p>13.带冲压立式座</p> <p>SAPP2, SBPP2</p> <p>座用优质碳素结构钢板冲压而成，用于安装面与轴平行，中、低转速，轻载荷的情况，一般与SA200、SB200系列轴承组成单元。</p>   |
|    | <p>14.带冲压圆形座</p> <p>SAPF2, SBPF2</p> <p>座用优质碳素结构钢板冲压而成，用于安装面与轴垂直，中、低转速，轻载荷的情况，一般与SA200、SB200系列轴承组成单元。</p>   |
|  | <p>15.带冲压三角形座</p> <p>SADETn, SRPFT2</p> <p>座用优质碳素结构钢板冲压而成，用于空间受限制，中、低转速，轻载荷的情况，一般与SA200、SB200系列轴承组成单元。</p>  |
|  | <p>16.带冲压菱形座</p> <p>SAPFL2, SBPFL2</p> <p>座用优质碳素结构钢板冲压而成，两个安装孔，用于空间更小的场合。</p>   |
|  | <p>17.带冲压座农机用圆盘轴承</p> <p>ST491A, ST491B, DHU45R-209, ST209-1<math>\frac{1}{8}</math><br/> DHU55R-211, DHU40S-211, FD211-1<math>\frac{1}{2}</math><br/> ST211-1<math>\frac{3}{4}</math><br/> ST211-2<math>\frac{3}{16}</math></p> <p>座用优质碳素结构钢板冲压而成，轴承是装有三层密封的农机用圆盘轴承，用于环境恶劣的场合，该组件可通过油嘴注油再润滑。</p> |

## 带座外球面球轴承技术参数

Technical parameters of spherical ball bearing with housings

### 外球面球轴承

带有密封装置的外球面球轴承，其内部结构尺寸、钢球、保持架等与深沟球轴承相同。

#### 1.套圈和钢球的材质

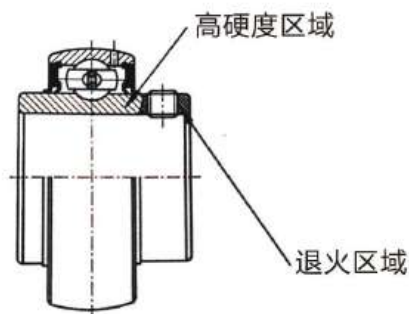
轴承套圈和钢球均用高碳铬轴承钢GCr15制造，其化学成分如表1。

表1 (%)

| C         | Cr        | Si        | Mn        | S      | P      |
|-----------|-----------|-----------|-----------|--------|--------|
| 0.95-1.05 | 1.30-1.65 | 0.15-0.35 | 0.20-0.40 | ≤0.020 | <0.027 |

轴承套圈的硬度为HRC59-64，钢球的硬度为HRC61-66，具有高的耐磨性和高的接触疲劳强度。

对于带顶丝类的外球面球轴承(UC200、UC300、RB200、UCX00、SB200、CSB200、ER200、SER200等系列)，内圈螺孔部位经特殊热处理，即：内圈经常规热处理后，再用专用的设备对螺孔周围区域进行感应退火，然后做消除应力处理。这样，沟道部位仍保持较高的硬度，螺孔周围的硬度下降了，保证顶丝在用较大力矩紧固时，螺孔不会因硬度太高而开裂。



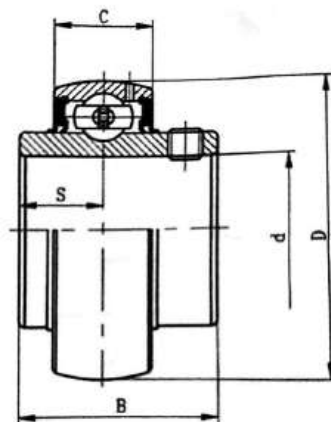
#### 1.1. 轴承公差

##### 1.1.1. 外圈公差

外圈的公差应符合表2

表2 外圈公差 (μm)

| D(mm) |     | △Dmp |     | Kea  |
|-------|-----|------|-----|------|
| >     | ≤   | 上偏差  | 下偏差 | max. |
| 30    | 50  | 0    | -11 | 20   |
| 50    | 80  | 0    | -13 | 25   |
| 80    | 120 | 0    | -15 | 35   |
| 120   | 150 | 0    | -18 | 40   |
| 150   | 180 | 0    | -25 | 45   |
| 180   | 250 | 0    | -30 | 50   |
| 250   | 315 | 0    | -35 | 60   |





注：(1)  $AD_{mp}$ =单一平面内平均外径偏差

(2)  $Kea$ =成套轴承外圈的径向跳动

(3)  $D$ =轴承公称外径

### 1.1.2. 内圈公差

#### 1) 圆柱孔内圈的公差

圆柱孔内圈的公差应符合表3

表3 圆柱孔内圈的公差 (μm)

| D (mm) |     | $\Delta D_{mp}$ |     | Kia  | $\Delta B_s$ |      |
|--------|-----|-----------------|-----|------|--------------|------|
| >      | ≤   | 上偏差             | 下偏差 | max. | 上偏差          | 下偏差  |
| 10     | 18  | +15             | 0   | 12   | 0            | -120 |
| 18     | 30  | +18             | 0   | 15   | 0            | -120 |
| 30     | 50  | +21             | 0   | 18   | 0            | -120 |
| 50     | 80  | +24             | 0   | 22   | 0            | -150 |
| 80     | 120 | +28             | 0   | 28   | 0            | -200 |
| 120    | 180 | +33             | 0   | 35   | 0            | -250 |

注：(1)  $d$ =轴承公称内孔直径

(2)  $Ad_{pm}$ =单一平面内平均内孔直径偏差

(3)  $Kia$ =成套轴承内圈的径向跳动

(4)  $\Delta B_s$ =内圈单-宽度偏差

#### 2) 圆锥孔内圈的公差

圆锥孔内圈的公差应符合表4

表4 圆锥孔内圈的公差 (μm)

| D (mm) |     | $\Delta D_{mp}$ |     | $\Delta D_{1mp}-D_{mp}$ |      |
|--------|-----|-----------------|-----|-------------------------|------|
| >      | ≤   | 上偏差             | 下偏差 | max.                    | min. |
| 18     | 30  | +33             | 0   | +21                     | 0    |
| 30     | 50  | +39             | 0   | +25                     | 0    |
| 50     | 80  | +46             | 0   | +30                     | 0    |
| 80     | 120 | +54             | 0   | +35                     | 0    |

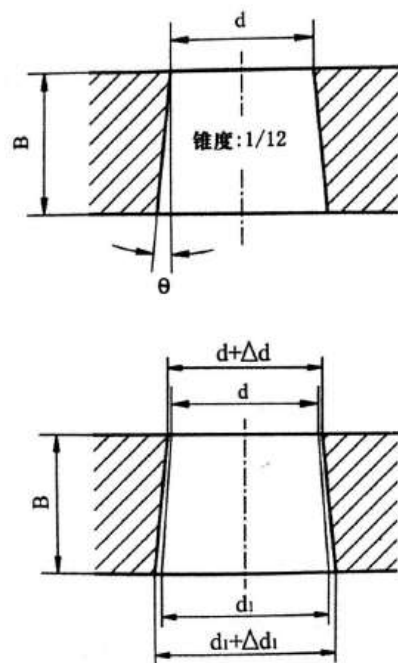
(1)  $d$ =轴承公称内孔直径

(2)  $d_1$ =基本圆锥孔在理论大端的基本直径

$d_1$ 可按以下公式得出

$$d_1 = d + 0.083333B$$

(3)  $B$ =内圈公称宽度



(4)  $\theta$ =公称圆锥角=2° 23' 9.4" =2.38594°

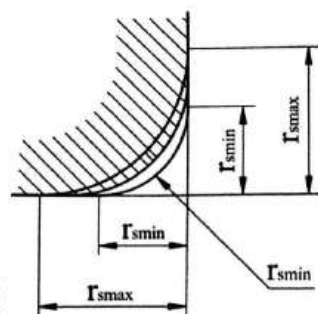
(5)  $\Delta d_{mp}$ =单一平面内平均内孔直径偏差 (指理论小端)

(6)  $Og-d_{mp}$ =基本圆锥孔在理论大端的平均内孔直径偏差

1.1.3.内圈的内孔倒角应符合表5

表5 倒角极限尺寸 (mm)

| 倒角尺寸<br>$r(\min)$ | 径向   | 轴向   | 轴的圆角半径<br>$r_s(\max.)$ |
|-------------------|------|------|------------------------|
|                   | max. | max. |                        |
| 1                 | 1.5  | 3    | $\leq 1$               |
| 1.5               | 2.3  | 4    | $\leq 1.5$             |
| 2                 | 3    | 4.5  | $\leq 2$               |
| 2.5               | 3.8  | 6    | $\leq 2$               |
| 3                 | 5    | 8    | $\leq 2.5$             |

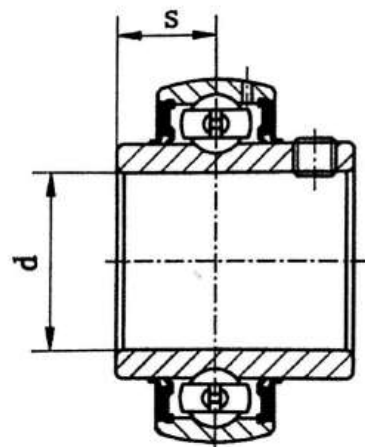


1.1.4.内圈基准端面到外球面中心距离 “S”的公差

内圈基准端面到外球面中心距离 “S” 的公差见表6

表6 (μm)

| 轴承公称内孔直径 $d(\text{mm})$ |        | 公差<br>$\Delta s$ |
|-------------------------|--------|------------------|
| $>$                     | $\leq$ |                  |
| --                      | 50     | $\pm 200$        |
| 50                      | 80     | $\pm 250$        |
| 80                      | 150    | $\pm 300$        |



1.2.径向游隙

外球面球轴承的径向游隙通常比深沟球轴承的径向游隙要大。圆柱孔外球面球轴承的径向游隙见表7；圆锥孔外球面球轴承的径向游隙见表8。

表7 圆柱孔的外球面球轴承径向游隙 (μm)

| 轴承公称内孔直径<br>$d(\text{mm})$ |        | 圆柱孔的径向游隙 |      |      |      |      |      |
|----------------------------|--------|----------|------|------|------|------|------|
|                            |        | C2       |      | 基本组  |      | C3   |      |
| $>$                        | $\leq$ | min.     | max. | max. | max. | min. | max. |
| 10                         | 18     | 3        | 18   | 10   | 25   | 18   | 33   |
| 18                         | 24     | 5        | 20   | 12   | 28   | 20   | 36   |
| 24                         | 30     | 5        | 20   | 12   | 28   | 23   | 41   |
| 30                         | 40     | 6        | 20   | 13   | 33   | 28   | 46   |
| 40                         | 50     | 6        | 23   | 14   | 36   | 30   | 51   |
| 50                         | 65     | 8        | 28   | 18   | 43   | 38   | 61   |
| 65                         | 80     | 10       | 30   | 20   | 51   | 46   | 71   |
| 80                         | 100    | 12       | 36   | 24   | 58   | 53   | 84   |
| 100                        | 120    | 15       | 41   | 28   | 66   | 61   | 97   |
| 120                        | 140    | 18       | 48   | 33   | 81   | 71   | 114  |



表8 圆锥孔的外球面轴承径向游隙 (μm)

| 轴承公称内孔直径<br>d(mm) |     | 圆锥孔的径向游隙 (UK200、UK300) |      |      |      |      |      |
|-------------------|-----|------------------------|------|------|------|------|------|
|                   |     | C2                     |      | 基本组  |      | C3   |      |
| >                 | ≤   | min.                   | max. | max. | max. | min. | max. |
| 10                | 18  | 10                     | 25   | 18   | 33   | 25   | 45   |
| 18                | 24  | 12                     | 28   | 20   | 36   | 28   | 48   |
| 24                | 30  | 12                     | 28   | 23   | 41   | 30   | 53   |
| 30                | 40  | 13                     | 33   | 28   | 46   | 40   | 64   |
| 40                | 50  | 14                     | 36   | 30   | 51   | 45   | 73   |
| 50                | 65  | 18                     | 43   | 38   | 61   | 55   | 90   |
| 65                | 80  | 20                     | 51   | 46   | 71   | 65   | 105  |
| 80                | 100 | 24                     | 58   | 53   | 84   | 75   | 120  |
| 100               | 120 | 28                     | 66   | 61   | 97   | 90   | 140  |
| 120               | 140 | 33                     | 81   | 71   | 114  | 105  | 160  |

注：当用有负荷量仪测量径向游隙时，径向游隙值必须加上一个修正值，修正值见表9

表9

| 公称内径直径<br>d(mm) |     | 测量负荷 | 径向游隙修正值<br>(μm) |     |    |
|-----------------|-----|------|-----------------|-----|----|
| >               | ≤   | (N)  | C2              | 基本组 | C3 |
| 10              | 18  | 25   | 4               | 4   | 5  |
| 18              | 30  | 50   | 5               | 5   | 6  |
| 30              | 50  | 50   | 4               | 4   | 5  |
| 50              | 80  | 100  | 6               | 7   | 7  |
| 80              | 100 | 150  | 8               | 8   | 9  |

## 2. 轴承座

### 2.1. 铸铁座的材质

铸铁座的材质牌号为: HT200(灰铸铁)，其机械性能见表10

表10

| 牌号    | 轴件的有效厚度<br>(mm) | 最小抗拉强度<br>$\sigma_{\min}$<br>(N/mm <sup>2</sup> ) |
|-------|-----------------|---|
| HT200 | > 2.5-10        | 220   |
|       | > 10-20         | 195   |
|       | > 20-30         | 170   |
|       | > 30-50         | 160   |

### 2.2. 铸造座的公差

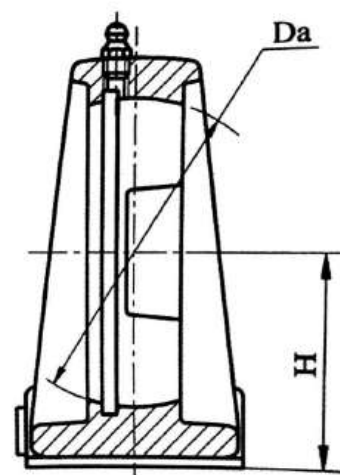
#### 2.2.1. 立式座中心高公差

立式座中心高公差见表11



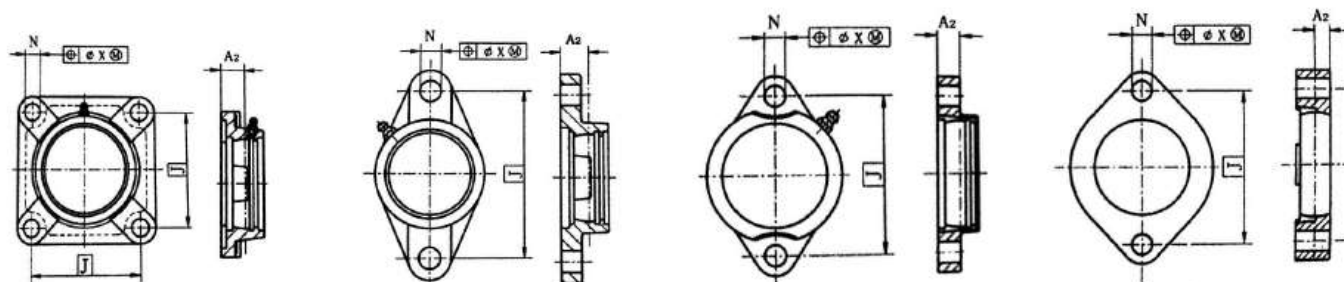
表6 (mm)

| 座的代号<br>P,PK,LP,PH,PA2A,PG |             | 公差<br>$\Delta H$ |
|----------------------------|-------------|------------------|
| P203-210,                  | P305-310    | $\pm 0.15$       |
| PK203-210,                 | PX05-X09    |                  |
| PA203-210,                 | LP201-208   |                  |
| PG204-208,                 | PA204A-210A |                  |
| PH203-210,                 |             | $\pm 0.20$       |
| P211-218,                  | PX10-X18    |                  |
| PK211-213,                 | P311-319    |                  |
| PH211-215,                 | PA211-213   |                  |
| Px20,                      | P320-328    | $\pm 0.30$       |



### 2.2.2. 方形、菱形座公差

方形、菱形座公差见表12



F FU FX

FL FLU FLX

LF

LFTC FD

表12 (mm)

| 座的代号  |       |         |         |     |      |     | 中心高公差 $\Delta A_2$ |        | 安装孔的位置度偏高 |
|-------|-------|---------|---------|-----|------|-----|--------------------|--------|-----------|
| F, FU | F, FL | FL, FLU | FX, FLX | LF  | LFTC | FD  | 上偏差                | 下偏差    | $X \leq$  |
| --    | --    | --      | --      | 203 | --   | --  | $\pm 0.5$          | $-0.5$ | 0.6       |
| 204   | --    | 204     | --      | 204 | 20   | 204 |                    |        |           |
| 205   | 305   | 205     | X05     | 205 | 25   | 205 |                    |        |           |
| 206   | 306   | 206     | X06     | 206 | 30   | 206 |                    |        |           |
| 207   | 307   | 207     | X07     | 207 | 35   | 207 | $\pm 0.5$          | $-0.5$ | 0.8       |
| 208   | 308   | 208     | X08     | --  | 40   | --  |                    |        |           |
| 209   | 309   | 209     | X09     | --  | --   | --  |                    |        |           |
| 210   | 310   | 210     | X10     | --  | --   | --  |                    |        |           |
| 211   | 311   | 211     | X11     |     |      |     | $\pm 0.8$          | $-0.8$ | 1.0       |
| 212   | 312   | 212     | X12     |     |      |     |                    |        |           |
| 213   | 313   | 213     | X13     |     |      |     |                    |        |           |
| 214   | 314   | 214     | X14     |     |      |     |                    |        |           |
| 215   | 315   | 215     | X15     |     |      |     |                    |        |           |
| 216   | 316   | 216     | X16     |     |      |     |                    |        |           |
| 217   | 317   | 217     | X17     |     |      |     |                    |        |           |
| 218   | 318   | 218     | X18     |     |      |     |                    |        |           |
| --    | 319   | 218     | X18     |     |      |     |                    |        |           |
|       | 320   | --      | --      |     |      |     |                    |        |           |
|       | 322   |         | X20     |     |      |     |                    |        |           |
|       | 324   |         |         |     |      |     |                    |        |           |
|       | 326   |         |         |     |      |     |                    |        |           |
|       | 328   |         |         |     |      |     |                    |        |           |



轻型菱形座，三角形座公差见表13

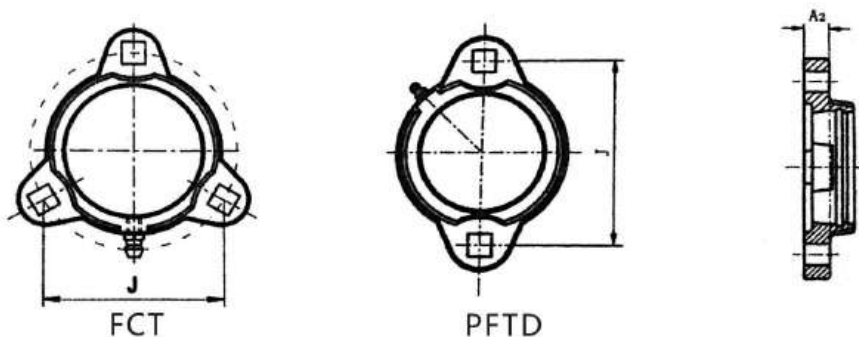


表13 (mm)

|             |         |                                      |                                    |
|-------------|---------|--------------------------------------|------------------------------------|
| PFTD (球墨铸铁) | 203-206 | $\pm 0.5 \geq \Delta A_2 \geq -0.50$ | $\pm 0.7 \geq \Delta J \geq -0.70$ |
| FCT (球墨铸铁)  | 207     | $\pm 0.5 \geq \Delta A_2 \geq -0.50$ | $\pm 0.8 \geq \Delta J \geq -0.80$ |

带凸台的方形、圆形座公差见表14

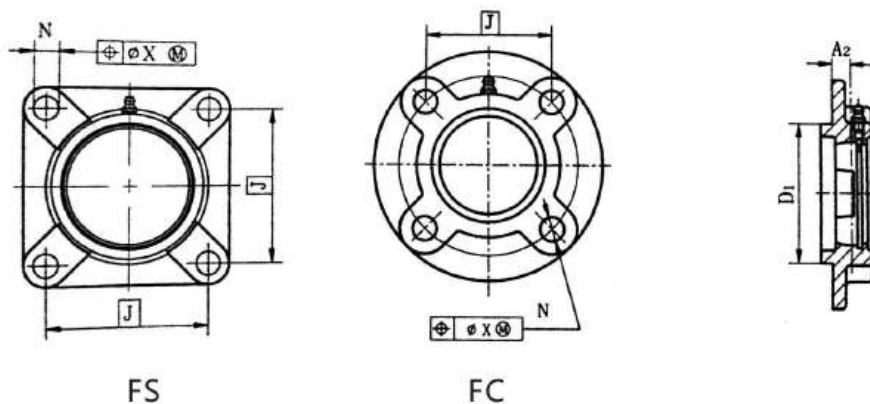


表14 (mm)

| 座的代号                       | 中心高公差<br>$\Delta A_z$ |       | 凸台直径公差<br>$\Delta D_1$ |        | 凸台径向跳动 | 安装孔的位置度偏高<br>X |
|----------------------------|-----------------------|-------|------------------------|--------|--------|----------------|
|                            | 上偏差                   | 下偏差   | 上偏差                    | 下偏差    | max    | max            |
| FC204-FC206<br>FS305       | $\pm 0.50$            | -0.50 | 0                      | -0.046 | 0.2    | 0.60           |
| FC207-FC210<br>FS306-FS308 |                       |       | 0                      | -0.054 |        | 0.80           |
| FC211-FC217<br>FS309-FS313 | $\pm 0.80$            | -0.80 | 0                      | -0.063 | 0.3    | 1.0            |
| FC218<br>FS314-FS318       |                       |       | 0                      | -0.072 |        |                |
| FS319                      |                       |       | 0                      | -0.081 | 0.4    |                |
| FS320-FS322                |                       |       | 0                      | -0.081 |        |                |
| FS324-FS328                |                       |       | 0                      | -0.089 |        |                |

轻型菱形座，三角形座公差见表13

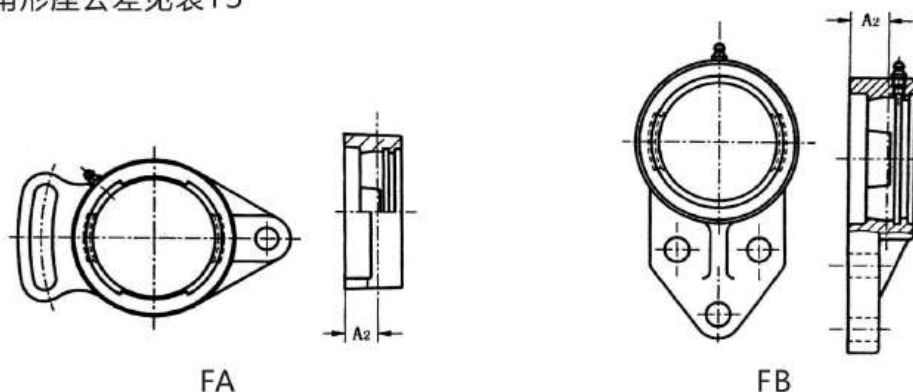


表15 (mm)

| 座的代号        |             | 中心高公差 $\Delta A_2$ |       |
|-------------|-------------|--------------------|-------|
|             |             | 上偏差                | 下偏差   |
| FA203-FA210 | FB203-FB210 | $\pm 0.50$         | -0.50 |
| FA211-FA213 | FB211-FB213 | $\pm 0.80$         | -0.80 |

### 2.2.3. 环形座公差

环形座公差见表16

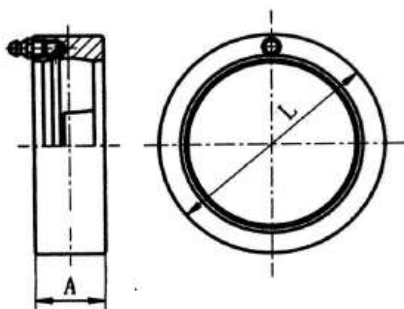


表16 (mm)

| 座的代号                   | 外径的公差 $\Delta L$         |     |                          |     | 外径的径向跳动 | 宽度公差<br>$\Delta A_2$ |      |
|------------------------|--------------------------|-----|--------------------------|-----|---------|----------------------|------|
|                        | C200系列 (H <sub>5</sub> ) |     | C300系列 (H <sub>6</sub> ) |     |         |                      |      |
|                        | 上偏差                      | 下偏差 | 上偏差                      | 下偏差 | max.    |                      |      |
| C203-C205              | 0                        | -30 | 0                        | --  | 200     | +200                 | -200 |
| C206-C210<br>C305-C308 | 0                        | -35 | 0                        | -35 | 200     | +200                 | -200 |
| C211-C213              | 0                        | -40 | 0                        | --  | 300     | +250                 | -250 |
| C309-C310              | --                       | --  | --                       | -40 | 200     | +200                 | -200 |
| C311-C314              | --                       | --  | --                       | -40 | 300     | +250                 | -250 |
| C315-C316              | --                       | --  | --                       | -46 | 300     | +250                 | -250 |

### 2.2.4. 滑块座公差

滑块座公差见表17



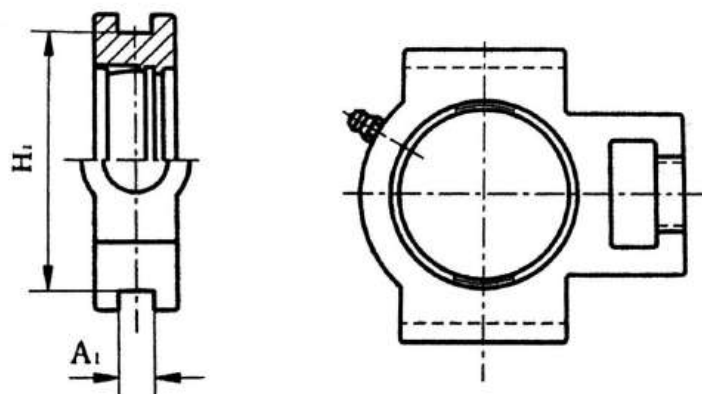


表17

(mm)

| 座的代号                   | $\Delta A_1$ |       | $\Delta H_1$ |       | 滑槽平行度误差 |
|------------------------|--------------|-------|--------------|-------|---------|
|                        | 上偏差          | 下偏差   | 上偏差          | 下偏差   | max.    |
| T203-T210<br>T305-T310 | +0.2         | 0     | 0            | -0.5  | 0.5     |
| T211-T218<br>T311-T318 | +0.3         | 0     | 0            | -0.8  | 0.6     |
| T319-T322              | +0.3         | 0     | 0            | -0.8  | 0.7     |
| T324-T328              | +0.3         | 0     | 0            | -0.8  | 0.8     |
| ST204-ST210            | +0.5         | -0.25 | +0.25        | -0.25 | 0.5     |
| ST211-ST212            | +1.0         | -0.25 | +0.4         | -0.4  | 0.6     |

## 2.3 冲压座

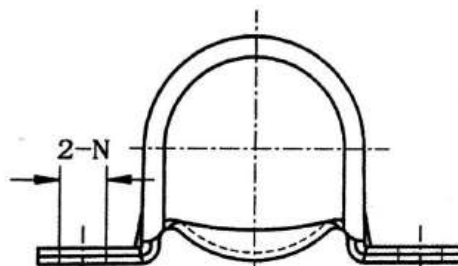
### 2.3.1. 冲压立式座公差

冲压立式座公差见表18

表18

(mm)

| 座的代号                                      | 安装孔直径公差<br>$\Delta N$ |       |
|---|-----------------------|-------|
|   | 上偏差                   | 下偏差   |
| PP203<br>PP204<br>PP205<br>PP206<br>PP207 | +0.25                 | -0.25 |



### 2.3.2. 冲压圆形、三角形、菱形座公差

冲压圆形、三角形、菱形座公差见表19

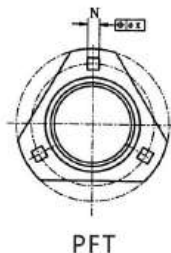
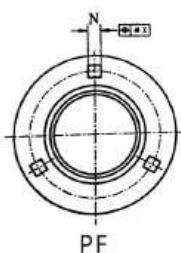


表19

(mm)

| 座的代号   | 安装孔尺寸公差 $\Delta A_2$ |       | 安装孔的位置度偏差<br>X |
|--|----------------------|-------|----------------|
|  | 上偏差                  | 下偏差   |                |
| PF203    PEL203<br>PFT203<br>PF204    PFL204<br>PFT204<br>PF205    PFL205<br>PFT205<br>PF206    PFL206<br>PFT206<br>PF207    PFL207<br>PFT207<br>PF208    PFL208<br>PFT208 | +0.25                | -0.25 | 0.4            |

3.轴承的选用

轴承尺寸的选择主要是根据轴承所承受的载荷，轴承的寿命及可靠性等要求进行。基本额定载荷是用来评定轴承承载能力的技术指标，基本额定载荷包含基本额定动载荷和基本额定静载荷。

表征轴承在旋转（转速 $n>10$ 转/分）时的承载能力为基本额定动载荷C，表征轴承在静止或缓慢旋转或振荡摆动（转速 $n\leq10$ 转/分）时的承载能力为基本额定静载荷Co。

外球面球轴承为向心球轴承类，主要承受径向力。因此，表征为径向基本额定动载荷Cr和径向基本额定静载荷Cor。

通常，寿命计算是选用滚动轴承的重要依据。寿命一般指轴承的疲劳寿命。当正确使用轴承时，即载荷适中，安装正确，润滑良好，轴承的破坏主要是交变接触应力引起滚动表面层的疲劳剥落，这种损坏形式是不可能完全避免的。但是各种机械用途不同，对轴承的要求也不同，在所规定的期间内要求轴承保持某种性能。而轴承工作一段时间后，噪声、振动增加，磨损造成精度下降，润滑脂老化等都将导致轴承失效，或不能满足该种机械的要求。这种失效前的寿命，分别成为噪声寿命、磨损寿命、润滑脂寿命。

除上述寿命外，轴承不能再使用原因还有烧结、断裂、裂纹、卡伤、密封失效等，这些应作为轴承故障，故障来源于选择轴承不当、机械设计不良、安装、使用、维护保养方面的错误，与轴承寿命应相区别。

3.1.基本额定载荷和寿命

径向基本额定动载荷Cr：指一套滚动轴承理论上所能承受的恒定的径向载荷，在该载荷作用下，轴承的基本额定寿命为一百万转。



寿命：单个滚动轴承的寿命，指轴承的一个套圈或钢球材料上出现第一个疲劳扩展迹象之前，轴承的一个套圈相对另一个套圈旋转的转速。

可靠度：指一组在相同条件下运转，近于相同的滚动轴承，期望达到或超过规定寿命的百分率，单个滚动轴承的可靠度为该轴承达到或超过规定寿命的概率。

基本额定寿命：对于单个滚动轴承或一组在相同条件下运转、近于相同的滚动轴承，其寿命是与90%的可靠度、当代常用材料和加工质量以及常规运转条件相关。

### 3.2.按基本额定动载荷选用轴承

#### 3.2.1.基本额定寿命

滚动轴承额定寿命的计算方法，在国家标准GB/T6391-2003（等同国际标准ISO281：1990）中有明确规定。向心球轴承的基本额定寿命计算公式：

$$L_{10} = \left( \frac{C_r}{P_r} \right)^3$$

$$\text{或 } \frac{C_r}{P_r} = L_{10}^{1/3}$$

其中： $L_{10}$ ：基本额定寿命(百万转)

$C_r$ ：径向基本额定动载荷

$P_r$ ：径向当量动载荷

径向当量动载荷 $P_r$ ：指一恒定的径向载荷，在该载荷作用下，滚动轴承具有与实际载荷条件下相同的寿命。

如果轴承在一个恒定的转速下工作，基本额定寿命可转换成小时数，其计算公式为：

$$L_{10h} = \frac{10^6}{60n} \left( \frac{C}{P} \right)^3$$

$$\text{or } L_{10h} = \frac{10^6}{60n} L_{10}$$

$$= \frac{1666}{n} \left( \frac{C}{P} \right)^3$$

其中： $L_{10h}$ =基本额定寿命（小时）

$n$ =轴承工作转速（转/分）

简易算法：假设需要500小时基本额定寿命：这里引入转速因数 $f_n$

$$f_n = \left( \frac{33 \frac{1}{3}}{n} \right)^{1/3}$$

$$f_h = \left( \frac{L_{10h}}{500} \right)^{1/3}$$

这样，公式简化为：

$$C = \left( \frac{f_h}{f_n} \right) P$$

$f_n$ 和 $f_h$ 值能根据工作转速和设定的寿命在图1中查出。再根据所需要的径向当量动载荷，就能算出径向基本额定动载荷，然后根据相应的Cr值就能确定选用什么尺寸的轴承了。

如果轴承是在变载荷和变速下工作，在确定轴承寿命时，则应用平均当量动载荷和平均转速来计算。平均当量动载荷一般按下式计算：

$$P_m = \sqrt[3]{\frac{1}{N} \int_0^N P^3 dN}$$

式中： $P_m$ =平均当量动载荷

$P$ =当量动载荷(函数式)

$N$ =载荷变动一个周期内的总转数

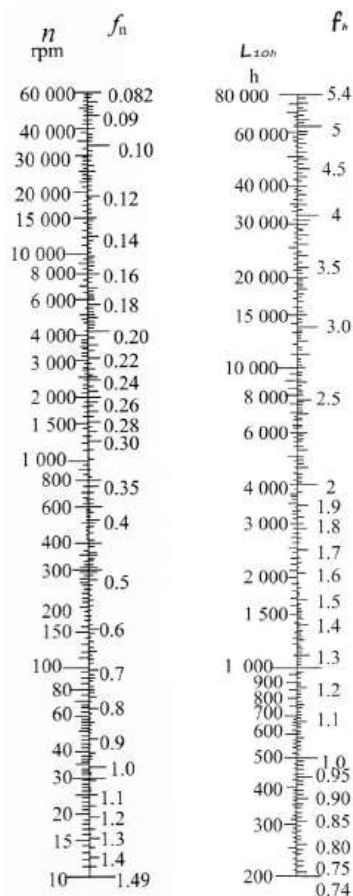


图1

### 3.2.2.轴承安全寿命的设定

当你选择轴承时，常常要根据相应的机械类型、工作环境和可靠性要求来设定一个适当的安全寿命，总的说来，这个设定的安全寿命就决定了机械与这相关的维护保养周期。

### 3.2.3.当量动载荷"P"的计算方法

轴承的基本额定动载荷是在假定的运转条件下确定的，即向心轴承仅受径向载荷。而实际应用场合常常同时承受径向载荷和轴向载荷，这样，在进行轴承寿命计算时，必须把实际载荷转换为额定动载荷条件相致的当量动载荷。当合成载荷的大小和方向恒定时，其当量动载荷的一般计算公式为：



$$P = XF_r + YF_a$$

其中：P=当量动载荷(N)

$F_r$ =径向载荷(N) =轴承实际载荷的径向分量(N)

$F_a$ =轴向载荷(N) =轴承实际载荷的轴向分量(N)

X=径向系数

Y=轴向系数

外球面球轴承的轴向载荷能力也与轴承与轴固紧方式有关：

带紧定螺钉或带偏心套固紧类的轴承，如果轴与轴承的配合较好且螺钉足够紧(见表29紧固力矩)，轴向载荷 $F_a$ 不能超过未被利用的允许径向载荷 $F_r$ 的20%。

如果是用紧定套锁紧的轴承，如果安装固紧正确，轴向载荷 $F_a$ 最大也只能是未被利用的允许径向载荷 $F_r$ 的15%~20%。

外球面球轴承的径向系数X和轴向系数Y，可从下表中查出(也可用插入法求得)

表20

| $\frac{F_a}{C_0}$ | $\frac{F_a}{F_r} \leq e$<br>P=F <sub>r</sub> |   | C2组游隙                 |     |      | 基本组游隙                 |      |      | C3组游隙                 |      |      |
|-------------------|--|---|-----------------------|-----|------|-----------------------|------|------|-----------------------|------|------|
|                   |  |   | $\frac{F_a}{F_r} > e$ |     | e    | $\frac{F_a}{F_r} > e$ |      | e    | $\frac{F_a}{F_r} > e$ |      | e    |
|                   | X  | Y | X                     | Y   |      | X                     | Y    |      | X                     | Y    |      |
| 0.025             | 1  | 0 | 0.56                  | 2.0 | 0.22 | 0.46                  | 1.75 | 0.31 | 0.44                  | 1.42 | 0.40 |
| 0.04              | 1  | 0 | 0.56                  | 1.8 | 0.24 | 0.46                  | 0.62 | 0.33 | 0.44                  | 1.36 | 0.42 |
| 0.07              | 1  | 0 | 0.56                  | 1.6 | 0.27 | 0.46                  | 1.46 | 0.36 | 0.44                  | 1.27 | 0.44 |
| 0.13              | 1  | 0 | 0.56                  | 1.4 | 0.31 | 0.46                  | 1.30 | 0.41 | 0.44                  | 1.16 | 0.48 |
| 0.25              | 1  | 0 | 0.56                  | 1.2 | 0.37 | 0.46                  | 1.14 | 0.46 | 0.44                  | 1.05 | 0.53 |

当轴承承受恒定力矩载荷时，当量动载荷可按以下公式计算：

$$P_m = f_m \cdot P$$

其中：P<sub>m</sub>=考虑力矩载荷的当量动载荷

$f_m$ =当力矩载荷较小时： $f_m=1.5$

当力矩载荷较大时： $f_m=2$

当轴承承受冲击载荷时，当量动载荷可按下式计算：

$$P_d = f_d \cdot P$$

其中： $P_a$ =考虑冲击载荷的当量动载荷 (N)

$f_d$ =冲击载荷因数；可按以下方法选取：

当无冲击载荷或轻微冲击载荷时：

$$f_d = 1 \sim 1.2$$

当有一定的冲击载荷时：

$$f_d = 1.2 \sim 1.8$$

### 3.3. 选用实例

某一轴承工作转速为1000r/m，仅承受一径向载荷 $F_r = 3000\text{N}$ ，要求基本额定寿命最少20000小时，选择轴承尺寸。

根据转速 $n = 1000\text{r/m}$ 能查出：

$$f_n = 0.322 \quad (\text{从图1中显示约近}0.32)$$

根据要求基本额定寿命20000小时（设定的安全寿命）能查出：

$$f_h = 3.42 \quad (\text{从图1中显示约近}0.34)$$

仅承受一径向载荷

$$P = F_r = 3000 \text{ (N)}$$

这样

$$\begin{aligned} C &= \left( \frac{f_h}{f_n} \right) P \\ &= \frac{3.42}{0.322} \times 3000 = 31863 \text{ (N)} \end{aligned}$$

用另一种简易方法计算轴承寿命，即图2查表法。

具体做法是：连接转速 $n$  (1000r/m) 的点和设定的基本额定寿命 $L_{10h}$  (20000小时) 的点，划一直线，直线约中间C/P值刻线的交点就是所求的C/P值，从图中看出：

$C/P = 10.6$ ，已知 $P = F_r = 3000$ ，这样该轴承所需的基本额定动载荷为：

$$\frac{C}{P} = 10.6$$

$$C = 10.6P$$

$$= 10.6 \times 3000 = 31800 \text{ (N)}$$

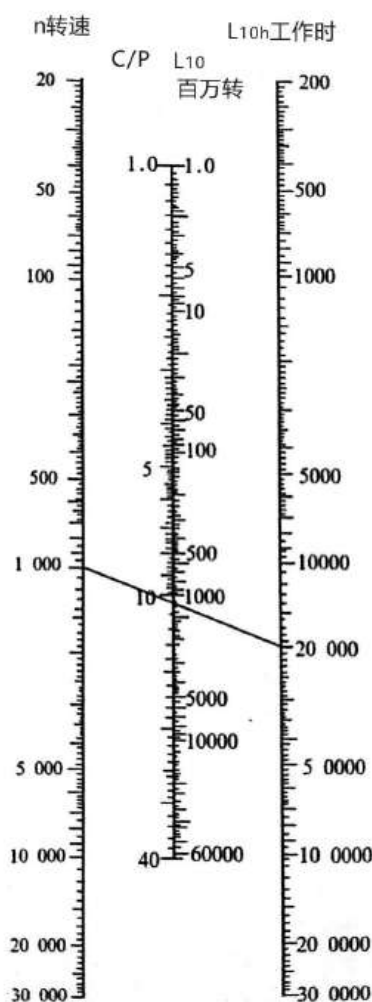


图2



然后，根据各种尺寸轴承的基本额定载荷值，就能确定应该选什么尺寸的轴承了。

### 3.4. 额定寿命的修正

通常采用基本额定寿命 $L_{10}$ 作为衡量轴承性能的准则就足以满足要求，该寿命是指90%可靠度下的寿命。

然而，对于某些应用场合，或许要求计算更高可靠度下的寿命，同时，对于许多应用场合，还希望更精确、更完善地考虑轴承质量和运转条件对寿命的影响，修正额定寿命 $L_{nm}$ 则满足了这一要求[n表示失效概率，(100-n)表示幸存概率（也表示可靠度）]。

寿命 $L_{nm}$ ，即(100-n)%可靠度、特殊轴承性能和特定运转条件下的修正基本额定寿命，可以按下式计算：

$$L_{nm} = a_1 a_{xyz} L_{10}$$

可靠度寿命修正系数 $a_1$ 的值列于表21。

表21 可靠度寿命修正系数 $a_1$

| 可靠度 | $L_{nm}$  | $A_1$ |
|-----|-----------|-------|
| 90  | $L_{10m}$ | 1     |
| 95  | $L_{5m}$  | 0.62  |
| 96  | $L_{4m}$  | 0.53  |
| 97  | $L_{3m}$  | 0.44  |
| 98  | $L_{2m}$  | 0.33  |
| 99  | $L_{1m}$  | 0.21  |

### 寿命修正系数 $a_{xyz}$

$a_{xyz}$ 包括以下影响因素：

- 材料（如洁净度、硬度、表面结构、疲劳极限、温度响应）；
- 润滑（如粘度、轴承转速、轴承尺寸、润滑剂类型、添加剂）；
- 环境（如污染程度、湿度）；
- 杂质颗粒（如硬度、尺寸、形状、材料）；
- 套圈中内应力（如制造过程生产的、安装后套圈过盈产生的内应力）；
- 安装（如装拆损伤、不同心）；
- 轴承载荷。



也就是说，以上任何因素的改变，都直接影响到轴承的寿命。在选用轴承时，应充分考虑各方面因素的影响，给出合适的系数，从而避免选用不当而达不到预期效果。

关于寿命计算方法，可参阅国家标准GB/T6391-2003

## 4. 润滑和工作温度

### 4.1. 润滑脂

带座外球面球轴承的轴承内，装填防锈润滑脂符合GB7324《锂基润滑脂》规定的2号工业锂基脂，其物理及化学性能参考表22。

表22

|              |   |                                   |
|--------------|---|-----------------------------------|
| 锥入度 (1/10mm) |   | 265~295                           |
| 滴点 (°C)      |   | ≥175                              |
| 机械杂质 (PC/cm) | 10-25μm<br>25-75μm<br>75-125μm<br>超过125μm | 不超过5000<br>不超过3000<br>不超过500<br>0 |

### 4.2. 工作温度

一般轴承温度不超过120°C（外圈测量温度为100°C），外球面球轴承持续工作温度在70°C以上时，必须考虑缩短再润滑周期，低温极限为不超过零下20°C。

如果要求轴承达到更高或更低的工作温度，请咨询我们以获得更多信息。

### 4.3. 再润滑周期

通常情况下，润滑脂寿命能满足轴承额定寿命的使用期。再润滑型轴承需定期加油脂以保证其长的寿命。

再润滑周期主要由轴承转速、工作温度以及周围环境所决定。再润滑周期可参考表23。

表23

| d·n值                   | 环境清洁度   | 轴承工作温度             |                      | 润滑周期               |
|------------------------|---------|--------------------|----------------------|--------------------|
|                        |         | °C                 | °F                   |                    |
| 40,000及以下              | 干净的     | -15~65<br>达到65~150 | +15~150<br>达到150~210 | 6至12个月<br>2至6个月    |
| 大于40,000~<br>70,000及以下 | 干净的     | -15~65<br>达到65~100 | +15~150<br>达到150~210 | 2至6个月<br>1个月       |
| 任何d·n值                 | 脏的      | 65及以下<br>大于65      | 150及以下<br>大于150      | 1星期至1个月<br>1天至2个星期 |
| 任何d·n值                 | 很脏的     | 任何温度下              | 任何温度下                | 1天至1个星期            |
| 任何d·n值                 | 暴露在水雾中的 | 任何温度下              | 任何温度下                | 每天                 |



补充润滑脂的加脂量参考表23-1。

表23-1

| 轴承代号                       | 润滑脂补充量(g) | 轴承代号                 | 润滑脂补充量(g) |
|----------------------------|-----------|----------------------|-----------|
| UC201S~203S, NA201S~203S   | 1.0       | UC305, NA305, UK305  | 4.1       |
| UC201~204, NA201~204       | 1.4       | UC306, NA306, UK306  | 5.5       |
| UC205, NA205, UK205        | 1.7       | UC307, NA307, UK307  | 7.8       |
| UC206, NA206, UK206, UCX05 | 2.9       | UC308, NA308, UK308  | 10.0      |
| UC207, NA207, UK207, UCX06 | 3.9       | UC309, NA309, UK309  | 14.7      |
| UC208, NA208, UK208, UCX07 | 5.0       | UC310, NA310, UK310  | 18.1      |
| UC209, NA209, UK209, UCX08 | 6.3       | UC311, NA311, UK311  | 23        |
| UC210, NA210, UK210, UCX09 | 6.9       | UC312, NA312, UK312  | 28        |
| UC211, NA211, UK211, UCX10 | 9.4       | UC313, NA313, UK313  | 36        |
| UC212, NA212, UK212, UCX11 | 12.6      | UC314, NA314, UK314  | 43        |
| UC213, NA213, UK213, UCX12 | 15.5      | UC315, NA315, UK315! | 53        |
| UC214, NA214, UK214, UCX13 | 19.3      | UC316, NA316, UK316  | 60        |
| UC215, NA215, UK215, UCX14 | 19.5      | UC317, NA317, UK317  | 72        |
| UC216, NA216, UK216, UCX15 | 26        | UC318, NA318, UK318  | 86        |
| UC217, NA217, UK217, UCX16 | 31        | UC319, NA319, UK319  | 105       |
| UC218, NA218, UK218, UCX17 | 40        | UC320, NA320, UK320  | 126       |
| UC220, NA220, UCX18        | 48        | UC322, UK322         | 178       |
| UCX20                      | 67        | UC324, UK324         | 227       |
|                            |           | UC326, UK326         | 278       |
|                            |           | UC328, UK328         | 342       |

注：1.FGJ轴承初期润滑脂的填充量占轴承内部有效空间容积的30~40%。建议润滑脂的补充量以初期的填充量为参考，即表中所列数值。

因为补充量过多，可能会导致轴承异常发热和润滑脂的泄露。

2.密封结构为三唇密封圈的轴承润滑脂补充量推荐表中数值的1.5倍。

3.轴承低速场合使用时，为提高轴承的防尘性能，润滑脂补充量可选择表中数值的2倍。

#### 4.4.油杯

福南公司可提供的油杯包括A型（直通）、B型（45°）以及C型（90°）三种类型。福南公司常规座所带油杯类型按表23-2所示。而表23-3列出的M6x1, M8x 1, 1/4-28UNF, 1/8-27NPT以及G1/8油杯不同类型尺寸与设计，以满足客户对油杯的特殊要求。

表23-2

| 座代号                              | 油杯类型及尺寸  |
|----------------------------------|----------|
| 203-210.305~307、X05~X09          | A型, M6x1 |
| P204M~P207M、C203~C216.C305~C316  |          |
| 211~220、308328.X10~X20、C317~C328 | A型, M8x1 |
| P208M~P214M                      | A型, G1/8 |

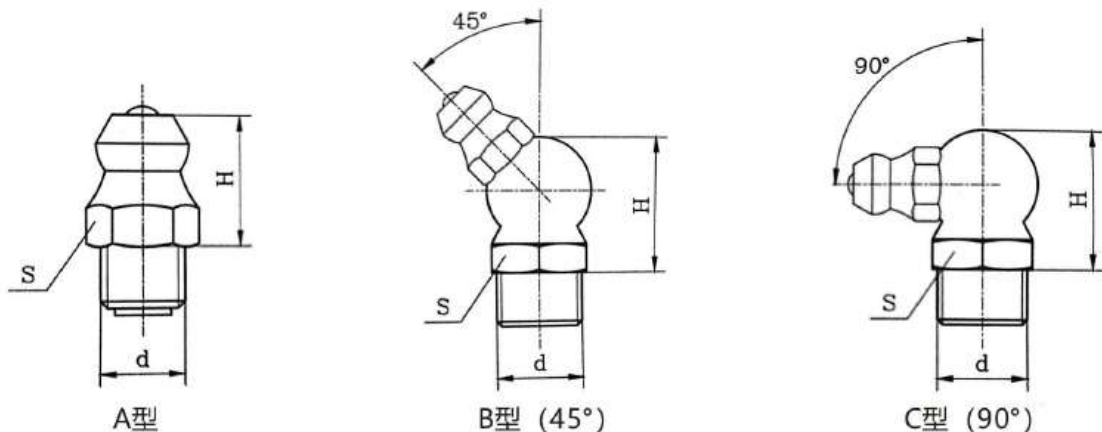


表23-3

各种类型油杯尺寸与设计

| 油杯类型     | D         | H(mm) | S(mm) |
|----------|-----------|-------|-------|
| A型       | M6X1      | 8.5   | 7     |
|          | M8X1      | 10.5  | 10    |
|          | 1/4-28UNF | 8.5   | 7     |
|          | 1/8-27NPT | 9.5   | 11    |
|          | G1/8      | 10.5  | 11    |
| B型 (45°) | M6X1      | 15    | 10    |
|          | M8X1      | 15    | 10    |
|          | 1/4-28UNF | 15    | 10    |
|          | 1/8-27NPT | 15    | 10    |
| C型 (90°) | M6X1      | 15    | 10    |
|          | M8X1      | 15    | 10    |
|          | 1/4-28UNF | 15    | 10    |
|          | 1/8-27NPT | 15    | 10    |



## 5. 极限转速

外球面球轴承的极限转速主要取决于轴承工作时产生的摩擦热大小，它与载荷情况，环境温度，润滑条件及寿命都有密切联系，而轴承与轴的良好配合也是实现高转速的保证。一般情况下，带顶丝类和带偏心套类外球面球轴承与轴采用间隙配合，轴的精度选用h7级公差；当载荷较轻、转速低时，轴的精度可选用h8或h9级公差；当高速、重载荷时，轴承与轴采用较紧的配合，轴的精度采用j7级公差。带紧定套类外球面球轴承与轴配合，轴的精度采用h9级公差，并保证IT5/2圆柱要求，表中用(h9/IT5)表示。

CS200-2RS系列外球面球轴承极限转速与深沟球轴承极限转速相当，其极限转速参考值如表24中所示。

表24 极限转速（参考值） (r/min)

| d<br>(mm) | 200系列      |      |      |      | 300系列      |      |      |     | CS200-2RS |
|-----------|------------|------|------|------|------------|------|------|-----|-----------|
|           | 轴的公差       |      |      |      | 轴的公差       |      |      |     |           |
|           | j7(h9/IT5) | h7   | h8   | h9   | j7(h9/IT5) | h7   | h8   | h9  |           |
| 12        | 6700       | 5300 | 3800 | 1400 | --         | --   | --   | --  | --        |
| 15        | 6700       | 5300 | 3800 | 1400 | --         | --   | --   | --  | 11000     |
| 17        | 6700       | 5300 | 3800 | 1400 | --         | --   | --   | --  | 10000     |
| 20        | 6000       | 4800 | 3400 | 1200 | --         | --   | --   | --  | 9000      |
| 25        | 5600       | 4000 | 3000 | 1000 | 5000       | 3600 | 2600 | 900 | 8000      |
| 30        | 4500       | 3400 | 2400 | 850  | 4300       | 3000 | 2200 | 800 | 6700      |
| 35        | 4000       | 3000 | 2000 | 750  | 3800       | 2800 | 2000 | 700 | 6000      |
| 40        | 3600       | 2600 | 1900 | 670  | 3400       | 2400 | 1700 | 630 | 5600      |
| 45        | 3200       | 2400 | 1700 | 600  | 3000       | 2200 | 1500 | 560 | 5000      |
| 50        | 3000       | 2200 | 1600 | 560  | 2600       | 2000 | 1400 | 500 | 4800      |
| 55        | 2600       | 2000 | 1400 | 500  | 2400       | 1800 | 1300 | 450 | --        |
| 60        | 2400       | 1800 | 1200 | 450  | 2200       | 1700 | 1100 | 430 | --        |
| 65        | 2200       | 1700 | 1100 | 430  | 2000       | 1500 | 1100 | 400 | --        |
| 70        | 2200       | 1600 | 1100 | 400  | 1900       | 1400 | 1000 | 360 | --        |
| 75        | 2000       | 1500 | 1000 | 380  | 1800       | 1300 | 900  | 340 | --        |
| 80        | 1900       | 1400 | 950  | 340  | 1700       | 1200 | 850  | 320 | --        |
| 85        | 1800       | 1300 | 900  | 320  | 1600       | 1100 | 800  | 300 | --        |
| 90        | 1700       | 1200 | 800  | 300  | 1500       | 1100 | 750  | 280 | --        |
| 95        | --         | --   | --   | --   | 1400       | 1000 | 700  | 260 | --        |
| 100       | --         | --   | --   | --   | 1300       | 950  | 670  | 240 | --        |
| 105       | --         | --   | --   | --   | 1200       | 900  | 630  | 220 | --        |
| 110       | --         | --   | --   | --   | 1200       | 800  | 600  | 200 | --        |
| 120       | --         | --   | --   | --   | 1100       | 750  | 530  | 190 | --        |
| 130       | --         | --   | --   | --   | 1000       | 670  | 480  | 180 | --        |
| 140       | --         | --   | --   | --   | 900        | 600  | 430  | 160 | --        |

注：h9/IT5一栏适用于带紧定套外球面球轴承，其余j7-h9各栏适用于带顶丝和偏心套外球面球轴承。

## 6. 轴的精度

在轴承内圈一端成120°的两处装有内六角螺钉，用以安装固定轴，正常工作状态下轴承与轴通常采用间隙配合，轴的尺寸精度按表25所示。

表25 用于圆柱孔轴承的轴的尺寸精度（间隙配合） (μm)

| 轴承 (mm) |     | 轴的尺寸偏差 |     |     |     |     |     |     |     |     |     |
|---------|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|         |     | 低速     |     | 中速  |     | 较高速 |     | 高速  |     |     |     |
|         |     | h9     |     | h8  |     | h7  |     | j6  |     | h6  |     |
| >       | ≤   | 上偏差    | 下偏差 | 上偏差 | 下偏差 | 上偏差 | 下偏差 | 上偏差 | 下偏差 | 上偏差 | 下偏差 |
| 10      | 18  | 0      | -43 | 0   | -27 | 0   | -18 | +8  | -3  | 0   | -11 |
| 18      | 30  | 0      | -52 | 0   | -33 | 0   | -21 | +9  | -4  | 0   | -13 |
| 30      | 50  | 0      | -62 | 0   | -39 | 0   | -25 | +11 | -5  | 0   | -16 |
| 50      | 80  | 0      | -74 | 0   | -46 | 0   | -30 | +12 | -7  | 0   | -19 |
| 80      | 120 | 0      | -87 | 0   | -54 | 0   | -35 | +13 | -9  | 0   | -22 |

但是，如果轴承需要高的转速，或须承受高的负荷，这时轴承与轴的配合应该采用过渡配合，轴的尺寸精度按表26所示。

表26 用于圆柱孔轴承的尺寸精度（过度配合） (μm)

| 轴承 (mm) |     | 轴的尺寸偏差 |     |     |     |     |     |     |     |
|---------|-----|--------|-----|-----|-----|-----|-----|-----|-----|
|         |     | 较高速    |     | 较重载 |     | 高速  |     | 重载  |     |
|         |     | m6     |     | m7  |     | n6  |     | h7  |     |
| >       | ≤   | 上偏差    | 下偏差 | 上偏差 | 下偏差 | 上偏差 | 下偏差 | 上偏差 | 下偏差 |
| 10      | 18  | +18    | +7  | +25 | +7  | +23 | +12 | +30 | +12 |
| 18      | 30  | +21    | +8  | +29 | +8  | +28 | +15 | +36 | +15 |
| 30      | 50  | +25    | +9  | +34 | +9  | +33 | +17 | +42 | +17 |
| 50      | 80  | +30    | +11 | +41 | +11 | +39 | +20 | +50 | +20 |
| 80      | 120 | +35    | +13 | +48 | +13 | +45 | +23 | +58 | +23 |

带有紧定套的轴承，轴承内孔为1:12的锥孔，这样轴承适合于作为长轴的中间支持。这时与之配合的轴的尺寸精度按表27所示。

表27 用于锥孔轴承的轴的尺寸精度 (μm)

| 轴承 (mm) |     | 轴的尺寸偏差 |      |     |      |
|---------|-----|--------|------|-----|------|
|         |     | 短轴     |      | 长轴  |      |
|         |     | h9     |      | h10 |      |
| >       | ≤   | 上偏差    | 下偏差  | 上偏差 | 下偏差  |
| 10      | 18  | 18     | -43  | 0   | -70  |
| 18      | 30  | 30     | -52  | 0   | -84  |
| 30      | 50  | 50     | -62  | 0   | -100 |
| 50      | 80  | 80     | -74  | 0   | -120 |
| 80      | 120 | 120    | -87  | 0   | -140 |
| 120     | 180 | 180    | -100 | 0   | -160 |



用于工业风扇、风机、的带座外球面球轴承，要求转速高。这时外球面球轴承与轴的配合要求较高，轴的精度一般选用h5或j5级公差。如表28所示。

表28 风机用轴承配合轴的尺寸精度

| 轴承 (mm) |     | 轴的尺寸偏差 |     |     |     |
|---------|-----|--------|-----|-----|-----|
|         |     | h5     |     | j5  |     |
| >       | ≤   | 上偏差    | 下偏差 | 上偏差 | 下偏差 |
| 18      | 30  | 0      | -9  | +5  | -4  |
| 30      | 50  | 0      | -11 | +6  | -5  |
| 50      | 80  | 0      | -13 | +6  | -7  |
| 80      | 100 | 0      | -15 | +6  | -9  |

## 7. 轴承安装与固定

### 7.1. 带顶丝轴承

这种轴承宽内圈的一端装有 120°角两个紧定螺钉，紧定螺钉把轴承内圈与轴固紧，安装时，要有足够的力矩才能保证轴承与轴的紧固，表29为推荐的紧定螺钉的紧定力矩。

表29 紧定螺钉的紧定力矩

| 轴承代号                   |             | 紧定螺钉<br>(公制) | 紧定力矩<br>N·m(最大) | 紧定螺钉<br>(英制) | 紧定力矩<br>lbf·in(最大) |
|------------------------|-------------|--------------|-----------------|--------------|--------------------|
| UC201~UC203            | SB201~SB203 | M5X0.8       | 3.9             | 10-32UNF     | 32                 |
| UC204~UC206UC305-UC306 | SB204-SB207 | M6X1         | 4.9             | 1/428UNF     | 43                 |
| UC207-UC209UC307       | SB208~SB211 | M8X1         | 8.0             | 5/16-24UNF   | 70.5               |
| UC210-UC212UC308-UC309 | SB212       | M10X1.25     | 16.8            | 3/8-24UNF    | 148                |
| UC213                  |             | M12X1.25     | 27.1            | 3/8-24UNF    | 148                |
| UC214-UC217UC310-UC314 |             | M12X1.25     | 27.1            | 7/16-20UNF   | 235                |
| UC218                  |             | M12X1.25     | 29.4            | 1/2-20UNF    | 260                |
| UC315~UC316            |             | M14X1.5      | 34.3            | 1/2-208NF    | 300                |
| UC317~UC319            |             | M16X1.5      | 54.2            | 5/8-18UNF    | 478                |
| UC320-UC324            |             | M18X1.5      | 58.0            | 5/8-18UNF    | 496                |
| UC326~UC328            |             | M20X1.5      | 78.0            |              |                    |

如果轴承工作在下列情况下：1)轴承有振动：2)轴承有相对移动：3)轴承的载荷较大或者转速较高，在轴上紧定螺钉的相应位置应开有紧定槽或窝。(如图3所示)

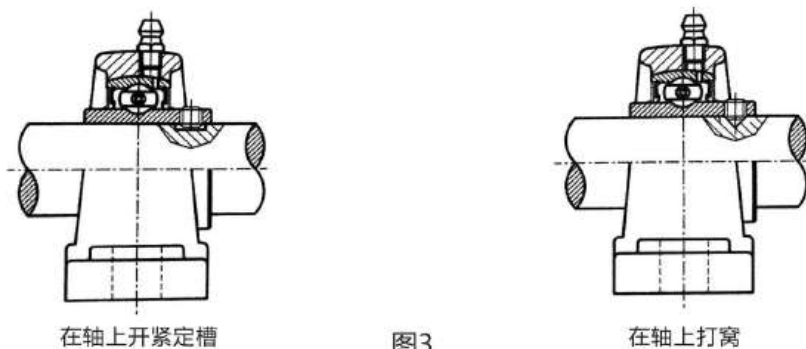


图3

## 7.2.带紧定套轴承

这种轴承的内孔有1:12的锥度。安装时，先把套放进轴承内孔，再嵌入防松垫片，然后装上螺母。安装轴时，先用手尽力拧紧螺母，再用扳手拧进2/5-3/5圈即可。螺母拧紧后，把防松片弯进防松槽内，否则，可能因螺母松动而引起轴与套筒间的相对滑动。如图4所示。

## 7.3.带偏心套轴承

这种轴承内圈加长端由一偏心凸台，偏心套一侧也有偏心凹槽，安装在轴上时，偏心凸台和偏心凹槽对好，先向轴旋转方向拧紧偏心套，再拧紧偏心套上的紧定螺钉。

## 7.4.轴承座的安装

带座轴承的正确安装顺序应该是:先安装座，再安装轴。原则上轴承座可以装在任何地方，但为了保证轴承的使用寿命，安装面必须平坦，牢固。

带立式座轴承及带法兰座轴承安装平面倾斜角度的要求，相对于轴的中心线不应超过 $\pm 2^\circ$ ，见图5。

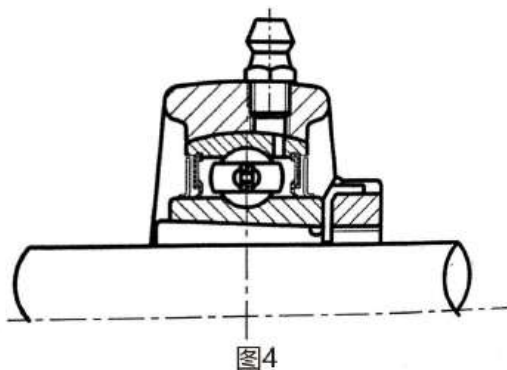


图4

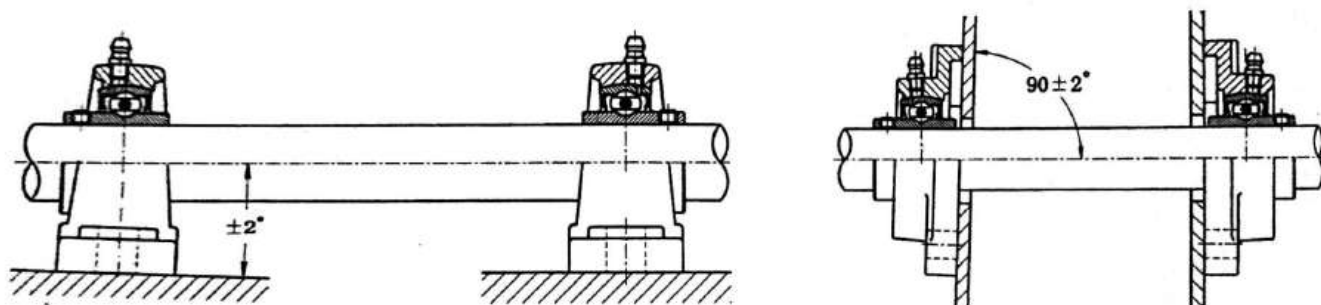


图5



## 7.5. 滑块座的安装

滑块座安装于两条平行导轨之间，通过调整螺栓来实现滑块座在导轨上移动，从而达到调整轴的中心距的目的。有关配合部分如图6所示。

滑块座安装尺寸及公差按表30表及31所示。

表30 (mm)

| 座代号  | $H'_{\pm 0.5}$ | $A'$ | $d$ | $D$ | $N$ |
|------|----------------|------|-----|-----|-----|
| T204 | 77             | 11   | 16  | 28  | 12  |
| T205 | 77             | 11   | 16  | 28  | 12  |
| T206 | 90             | 11   | 18  | 32  | 12  |
| T207 | 90             | 11   | 18  | 32  | 12  |
| T208 | 103            | 15   | 24  | 42  | 14  |
| T209 | 103            | 15   | 24  | 42  | 14  |
| T210 | 103            | 15   | 24  | 42  | 14  |
| T211 | 131            | 20   | 30  | 56  | 20  |
| T212 | 131            | 20   | 30  | 56  | 26  |
| T213 | 152            | 24   | 36  | 60  | 26  |
| T214 | 152            | 24   | 36  | 60  | 26  |
| T215 | 152            | 24   | 36  | 60  | 26  |
| T216 | 167            | 24   | 36  | 60  | 26  |
| T217 | 175            | 28   | 42  | 65  | 30  |

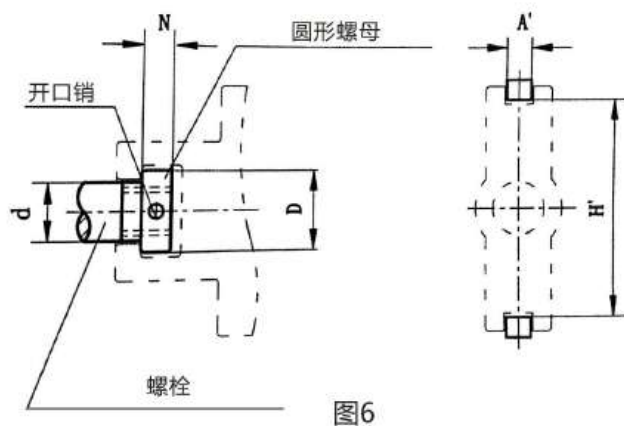


图6

表31 (mm)

| 座代号   | $H'_{\pm 0.5}$ | $A'$ | $d$ | $D$ | $N$ |
|-------|----------------|------|-----|-----|-----|
| ST204 | 77             | 12.5 | 16  | 28  | 12  |
| ST205 | 77             | 12.5 | 16  | 28  | 12  |
| ST206 | 90             | 12.5 | 18  | 32  | 12  |
| ST207 | 90             | 12.5 | 18  | 32  | 12  |
| ST208 | 103            | 16.5 | 24  | 42  | 12  |
| ST209 | 103            | 16.5 | 24  | 42  | 12  |
| ST210 | 103            | 16.5 | 24  | 42  | 12  |
| ST211 | 131            | 25   | 30  | 56  | 20  |
| ST212 | 131            | 25   | 30  | 56  | 26  |



## 8.不同转速及Cr/Pr比值下轴承额定寿命预算

表32

| L <sub>10h</sub><br>(小时) | C <sub>r</sub> /P <sub>r</sub> 当转速n= (r/min) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                          | 50   | 100  | 200  | 300  | 500  | 750  | 900  | 1000 | 1500 | 1800 | 2000 | 2500 | 3000 | 4000 | 5000 | 6000 |
| 500                      | 1.14   | 1.45 | 1.82 | 2.08 | 2.47 | 2.82 | 3.00 | 3.11 | 3.56 | 3.78 | 3.91 | 4.22 | 4.48 | 4.93 | 5.32 | 4.93 |
| 1000                     | 1.44   | 1.82 | 2.29 | 2.62 | 3.11 | 3.56 | 3.78 | 3.91 | 4.48 | 4.76 | 4.93 | 5.31 | 5.65 | 6.21 | 6.70 | 7.11 |
| 1500                     | 1.65   | 2.08 | 2.62 | 3.00 | 3.56 | 4.08 | 4.31 | 4.48 | 5.13 | 5.45 | 5.65 | 6.10 | 6.46 | 7.11 | 7.65 | 8.15 |
| 2000                     | 1.82   | 2.29 | 2.88 | 3.30 | 3.91 | 4.48 | 4.76 | 4.93 | 5.64 | 6.00 | 6.21 | 6.69 | 7.11 | 7.81 | 8.43 | 8.96 |
| 3000                     | 2.08   | 2.62 | 3.30 | 3.78 | 4.48 | 5.31 | 5.42 | 5.65 | 6.46 | 6.85 | 7.11 | 7.66 | 8.14 | 8.96 | 9.65 | 10.3 |
| 5000                     | 2.47   | 3.11 | 3.91 | 4.48 | 5.32 | 6.08 | 6.46 | 6.70 | 7.66 | 8.14 | 8.43 | 9.09 | 9.65 | 10.6 | 11.5 | 12.2 |
| 7500                     | 2.82   | 3.56 | 4.48 | 5.13 | 6.06 | 6.96 | 7.37 | 7.66 | 8.77 | 9.32 | 9.65 | 10.4 | 11.1 | 12.2 | 13.1 | 13.9 |
| 10000                    | 3.11   | 3.91 | 4.93 | 5.65 | 6.70 | 7.66 | 8.14 | 8.43 | 9.65 | 10.3 | 10.6 | 11.4 | 12.2 | 13.4 | 14.5 | 15.3 |
| 15000                    | 3.56   | 4.48 | 5.65 | 6.46 | 7.66 | 8.77 | 9.28 | 9.65 | 11.1 | 11.7 | 12.2 | 13.1 | 13.9 | 15.3 | 16.5 | 17.5 |
| 20000                    | 3.91   | 4.93 | 6.21 | 7.11 | 8.43 | 9.65 | 10.3 | 10.6 | 12.2 | 12.9 | 13.4 | 14.4 | 15.3 | 16.8 | 18.2 | 19.3 |
| 30000                    | 4.48   | 5.65 | 7.11 | 8.14 | 9.65 | 11.1 | 11.7 | 12.2 | 13.9 | 14.8 | 15.3 | 16.5 | 17.5 | 19.3 | 20.8 | 22.1 |
| 40000                    | 4.93   | 6.21 | 7.81 | 8.96 | 10.6 | 12.2 | 12.9 | 13.4 | 15.3 | 16.3 | 16.8 | 18.2 | 19.3 | 21.2 | 22.9 | 24.3 |
| 60000                    | 5.65   | 7.11 | 8.96 | 10.3 | 12.2 | 13.9 | 14.8 | 15.3 | 17.5 | 18.6 | 19.3 | 20.8 | 22.1 | 24.3 | 26.2 | 27.8 |
| 80000                    | 6.21   | 7.81 | 9.83 | 11.3 | 13.4 | 15.3 | 16.3 | 16.8 | 19.3 | 20.5 | 21.2 | 22.9 | 24.3 | 26.7 | 28.8 | 30.7 |

例：

在稳定径向载荷Fr=3250N，转速为1500r/min条件下，对UC212轴承额定寿命预算：

=3250NX1.2=3900N（当没有冲击载荷或冲击载荷较小时，冲击载荷因数Fo=1~1.2）。

使用表32，从相应转速r/min-栏查到最接近Cr/Pr值，易获得轴承大概的额定寿命。47800所以得Cr/Pr=3900=

12.256

所以得  $C_r/P_r = \frac{47800}{3900} = 12.256$

在转速n= 1500r/min-栏中，查到12.2最接近Cr/Pr值，它对应的20000小时即为UC212轴承在已知条件下大概的额定寿命。轴承的实际寿命还需要考虑额定寿命修正系数a1和axyz予以修正（见3.4.）。

### 8.1.轴承座

#### 8.2.轴承座的材质

铸造座的材质为HT200（灰铸造）和QT450-10（球墨铸铁），球墨铸铁座仅限于PFTD2系列和FCT2系列；

冲压座的材质为08或10冷轧钢板。

### 8.3.铸造座的公差

#### 8.3.1.铸造座球孔公差

铸造座球孔公差见表32-2

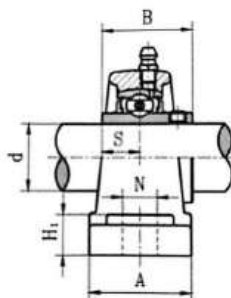
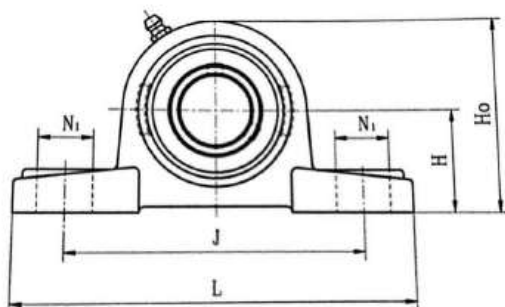
表32-2

内球面直径公差

(μm)

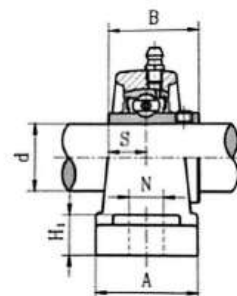
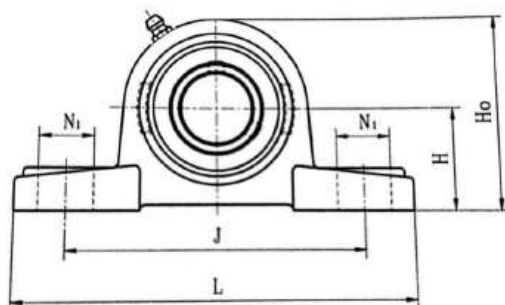
| 公称球面直径(mm)<br>Nominal spherical<br>diameter (mm) |     | H7  |    | J7  |     | K7  |     |
|--|-----|-----|----|-----|-----|-----|-----|
|  |     | Dam |    | Dam |     | Dam |     |
| 超过   | 剩   | 上差  | 下差 | 上差  | 下差  | 上差  | 下差  |
| 30   | 50  | +25 | 0  | +14 | -11 | +7  | -18 |
| 50   | 80  | +30 | 0  | +18 | -12 | +9  | -21 |
| 80   | 120 | +35 | 0  | +22 | -13 | +10 | -25 |
| 120  | 180 | +40 | 0  | +26 | -14 | +12 | -28 |
| 180  | 250 | +46 | 0  | +30 | -16 | +13 | -33 |
| 250  | 315 | +52 | 0  | +36 | -16 | +16 | -36 |





## UCP200 Series

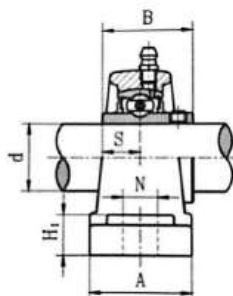
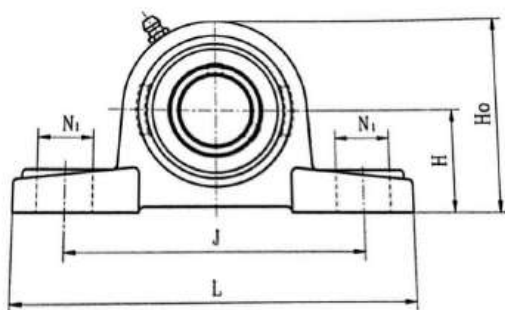
| 带座轴承<br>代号<br>Unit No.               | 轴径 shaft<br>d |      | 基本尺寸<br>Dimensions(mm) |     |     |    |    |    |    |     |      |      | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |
|--------------------------------------|---------------|------|------------------------|-----|-----|----|----|----|----|-----|------|------|-------------------------|----------------------|
|                                      | (in.)         | (mm) | H                      | L   | J   | A  | N  | N1 | H1 | H0  | B    | S    |                         |                      |
| UCWP201<br>201-8                     | 1/2           | 12   | 30.2                   | 124 | 94  | 32 | 13 | 19 | 14 | 57  | 27.4 | 11.5 | M10                     | 0.66                 |
| UCWP202<br>202-10                    | 5/8           | 15   | 30.2                   | 124 | 94  | 32 | 13 | 19 | 14 | 57  | 27.4 | 11.5 | M10                     | 0.66                 |
| UCWP203<br>203-11                    | 11/16         | 17   | 30.2                   | 124 | 94  | 32 | 13 | 19 | 14 | 57  | 27.4 | 11.5 | M10                     | 0.66                 |
| UCP204-12<br>204                     | 3/4           | 20   | 33.3                   | 127 | 95  | 38 | 13 | 19 | 14 | 62  | 31   | 12.7 | M10                     | 0.7                  |
| UCP205-14<br>205-15<br>205           | 7/8           | 25   | 36.5                   | 140 | 105 | 38 | 13 | 19 | 15 | 71  | 34   | 14.3 | M10                     | 0.76                 |
| UCP206-18<br>206                     | 1-1/8         | 30   | 42.9                   | 163 | 121 | 46 | 17 | 21 | 17 | 82  | 38.1 | 15.9 | M12                     | 1.25                 |
| UCP207-20<br>207-21<br>207-22<br>207 | 1-1/4         | 35   | 47.6                   | 167 | 127 | 47 | 17 | 21 | 18 | 92  | 42.9 | 17.5 | M12                     | 1.55                 |
| UCP208-24<br>208-25<br>208           | 1-1/2         | 40   | 49.2                   | 178 | 136 | 50 | 17 | 21 | 18 | 98  | 49.2 | 19   | M12                     | 1.9                  |
| UCP209-26<br>209-27<br>209-28<br>209 | 1-5/8         | 45   | 54                     | 190 | 146 | 54 | 17 | 21 | 21 | 105 | 49.2 | 19   | M12                     | 2.2                  |
| UCP210-30<br>210-31<br>210           | 1-7/8         | 50   | 57.2                   | 206 | 159 | 60 | 20 | 23 | 21 | 113 | 51.6 | 19   | M16                     | 2.75                 |
| UCP211-32<br>211-34<br>211           | 2             | 55   | 63.5                   | 217 | 171 | 59 | 20 | 25 | 24 | 124 | 55.6 | 22.2 | M16                     | 3.3                  |
| UCP212-36<br>212                     | 2-1/8         | 60   | 69.8                   | 239 | 183 | 69 | 20 | 24 | 26 | 135 | 65.1 | 25.4 | M16                     | 4.7                  |
| UCP213-40<br>213                     | 2-3/8         | 65   | 76.2                   | 263 | 202 | 68 | 25 | 30 | 27 | 147 | 65.1 | 25.4 | M20                     | 5.6                  |
| UCP214-44<br>214                     | 2-1/2         | 70   | 79.4                   | 266 | 208 | 69 | 25 | 31 | 28 | 155 | 74.6 | 30.2 | M20                     | 6.6                  |
| UCP215<br>215-48                     | 2-3/4         | 75   | 82.6                   | 273 | 217 | 73 | 25 | 29 | 28 | 162 | 77.8 | 33.3 | M20                     | 7.3                  |
| UCP216<br>216                        | 3             | 80   | 88.9                   | 290 | 231 | 76 | 25 | 30 | 32 | 174 | 82.6 | 33.3 | M20                     | 9                    |
| UCP217-52<br>217                     | 3-1/4         | 85   | 95.2                   | 312 | 247 | 83 | 25 | 28 | 34 | 187 | 85.7 | 34.1 | M20                     | 10.8                 |
| UCP218-56<br>218                     | 3-1/2         | 90   | 101.6                  | 326 | 262 | 87 | 25 | 32 | 35 | 198 | 96   | 39.7 | M22                     | 13                   |



## UCP300 Series

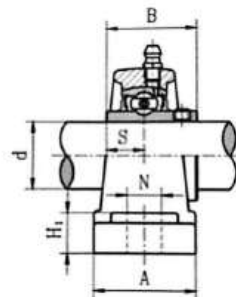
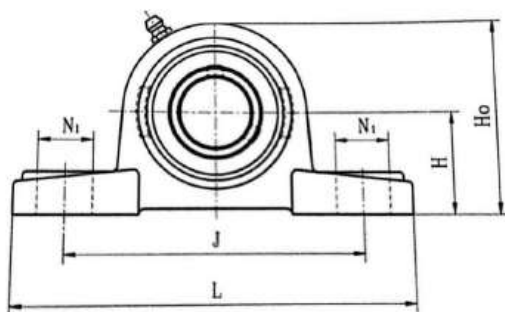
| 带座轴承<br>代号<br>Unit No. | 轴径 shaft<br>d<br>(in.) (mm) |     | 基本尺寸<br>Dimensions (mm) |     |     |     |    |    |    |     |     |    | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |
|------------------------|-----------------------------|-----|-------------------------|-----|-----|-----|----|----|----|-----|-----|----|-------------------------|----------------------|
|                        |                             |     | H                       | L   | J   | A   | N  | N1 | H1 | H0  | B   | S  |                         |                      |
| UCP305-14              | 7/8                         |     | 45                      | 175 | 132 | 45  | 17 | 21 | 16 | 83  | 38  | 15 | M14                     | 1.4                  |
| 305-15                 | 15/16                       |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| 305                    |                             | 25  |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| 305-16                 | 1                           |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP306-18              | 1-1/8                       |     | 50                      | 180 | 140 | 50  | 17 | 21 | 19 | 95  | 43  | 17 | M14                     | 1.8                  |
| 306                    |                             | 30  |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| 306-19                 | 1-3/16                      |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP307-20              | 1-1/4                       |     | 56                      | 210 | 160 | 56  | 17 | 25 | 21 | 106 | 48  | 19 | M14                     | 2.8                  |
| 307-21                 | 1-5/16                      |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| 307-22                 | 1-3/8                       |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| 307                    |                             | 35  |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP308-24              | 1-1/2                       |     | 60                      | 220 | 170 | 60  | 17 | 27 | 24 | 114 | 52  | 19 | M14                     | 3.08                 |
| 308-25                 | 1-9/16                      |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| 308                    |                             | 40  |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP309-26              | 1-5/8                       |     | 67                      | 245 | 191 | 67  | 20 | 30 | 25 | 127 | 57  | 22 | M16                     | 4.10                 |
| 309-27                 | 1-11/16                     |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| 309-28                 | 1-3/4                       |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| 309                    |                             | 45  |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP310-30              | 1-7/8                       |     | 75                      | 275 | 215 | 75  | 21 | 35 | 29 | 143 | 61  | 22 | M16                     | 6.0                  |
| 310-31                 | 1-15/16                     |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| 310                    |                             | 50  |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP311-32              | 2                           |     | 80                      | 310 | 236 | 80  | 21 | 38 | 30 | 153 | 66  | 25 | M16                     | 7.4                  |
| 311-34                 | 2-1/8                       |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| 311                    |                             | 55  |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| 311-35                 | 2-3/16                      |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP312-36              | 2-1/4                       |     | 85                      | 332 | 256 | 85  | 25 | 38 | 32 | 165 | 71  | 26 | M20                     | 9.4                  |
| 312                    |                             | 60  |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| 312-38                 | 2-3/8                       |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| 312-39                 | 2-7/16                      |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP313-40              | 2-1/2                       |     | 90                      | 341 | 260 | 90  | 25 | 39 | 35 | 176 | 75  | 30 | M20                     | 10.0                 |
| 313                    |                             | 65  |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP314-44              | 2-3/4                       |     | 95                      | 362 | 280 | 90  | 27 | 40 | 37 | 187 | 78  | 33 | M22                     | 12.0                 |
| 314                    |                             | 70  |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP315                 |                             | 75  | 100                     | 380 | 290 | 100 | 27 | 40 | 38 | 198 | 82  | 32 | M22                     | 14.0                 |
| 315-48                 | 3                           |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP316                 |                             | 80  | 106                     | 402 | 302 | 110 | 28 | 40 | 41 | 211 | 86  | 34 | M22                     | 18.0                 |
| UCP317-52              | 3-1/4                       |     | 112                     | 422 | 321 | 110 | 33 | 45 | 40 | 220 | 96  | 40 | M27                     | 20.0                 |
| 317                    |                             | 85  |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP318-56              | 3-1/2                       |     | 118                     | 430 | 330 | 110 | 33 | 45 | 45 | 235 | 96  | 40 | M27                     | 24.0                 |
| 318                    |                             | 90  |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP319                 | 3-3/4                       | 95  | 125                     | 470 | 360 | 120 | 36 | 45 | 45 | 250 | 103 | 41 | M30                     |                      |
| 319-60                 |                             |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP320                 | 4                           | 100 | 140                     | 492 | 380 | 120 | 36 | 50 | 50 | 275 | 108 | 42 | M30                     |                      |
| 320-64                 |                             |     |                         |     |     |     |    |    |    |     |     |    |                         |                      |
| UCP321                 |                             | 105 | 140                     | 489 | 380 | 120 | 36 | 50 | 50 | 279 | 112 | 44 | M30                     |                      |
| UCP322                 |                             | 110 | 150                     | 520 | 400 | 140 | 40 | 55 | 55 | 300 | 117 | 46 | M33                     |                      |
| UCP324                 |                             | 120 | 160                     | 570 | 450 | 140 | 40 | 55 | 65 | 320 | 126 | 51 | M33                     |                      |
| UCP326                 |                             | 130 | 180                     | 600 | 480 | 140 | 40 | 55 | 75 | 355 | 135 | 54 | M33                     |                      |
| UCP328                 |                             | 140 | 200                     | 620 | 500 | 140 | 40 | 55 | 75 | 390 | 145 | 59 | M33                     |                      |





## UCP实心座 Series

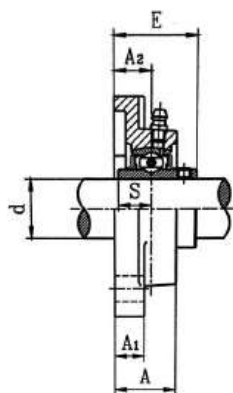
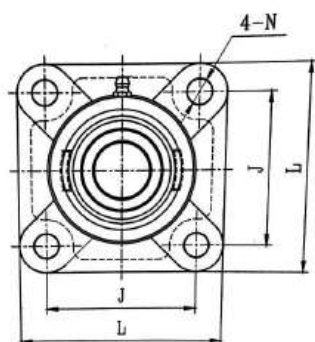
| 带座轴承<br>代号<br>Unit No.                         | 轴径 shaft<br>d                            |      | 基本尺寸<br>Dimensions(mm) |     |     |    |    |    |    |     |      |      | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |
|--|--|------|------------------------|-----|-----|----|----|----|----|-----|------|------|-------------------------|----------------------|
|  | (in.)                                    | (mm) | H                      | L   | J   | A  | N  | N1 | H1 | H0  | B    | S    |                         |                      |
| UCWP201<br>201-8                               | 1/2                                      | 12   | 30.2                   | 124 | 94  | 32 | 13 | 19 | 14 | 57  | 27.4 | 11.5 | M10                     | 0.66                 |
| UCWP202<br>202-10                              | 5/8                                      | 15   | 30.2                   | 124 | 94  | 32 | 13 | 19 | 14 | 57  | 27.4 | 11.5 | M10                     | 0.66                 |
| UCWP203<br>203-11                              | 11/16                                    | 17   | 30.2                   | 124 | 94  | 32 | 13 | 19 | 14 | 57  | 27.4 | 11.5 | M10                     | 0.66                 |
| UCP204-12<br>204                               | 3/4                                      | 20   | 33.3                   | 127 | 95  | 38 | 13 | 19 | 14 | 65  | 31   | 12.7 | M10                     | 0.7                  |
| UCP205-14<br>205-15<br>205<br>205-16           | 7/8<br>15/16<br>1<br>1                   | 25   | 36.5                   | 140 | 105 | 38 | 13 | 19 | 15 | 70  | 34   | 14.3 | M10                     | 0.76                 |
| UCP206-18<br>206<br>206-19<br>206-20           | 1-1/8<br>30<br>1-3/16<br>1-1/4           | 30   | 42.9                   | 165 | 121 | 48 | 17 | 21 | 18 | 83  | 38.1 | 15.9 | M12                     | 1.25                 |
| UCP207-20<br>207-21<br>207-22<br>207<br>207-23 | 1-1/4<br>1-5/16<br>1-3/8<br>35<br>1-7/16 | 35   | 47.6                   | 167 | 127 | 48 | 17 | 21 | 19 | 93  | 42.9 | 17.5 | M12                     | 1.55                 |
| UCP208-24<br>208-25<br>208                     | 1-1/2<br>1-9/16<br>40                    | 40   | 49.2                   | 184 | 136 | 54 | 17 | 21 | 19 | 98  | 49.2 | 19   | M12                     | 1.9                  |
| UCP209-26<br>209-27<br>209-28<br>209           | 1-5/8<br>1-11/16<br>1-3/4<br>45          | 45   | 54                     | 190 | 146 | 55 | 17 | 21 | 21 | 107 | 49.2 | 19   | M12                     | 2.2                  |
| UCP210-30<br>210-31<br>210                     | 1-7/8<br>1-15/16<br>50                   | 50   | 57.2                   | 205 | 159 | 59 | 20 | 23 | 22 | 112 | 51.6 | 19   | M16                     | 2.75                 |
| UCP211-32<br>211-34<br>211<br>211-35           | 2<br>2-1/8<br>55<br>2-3/16               | 55   | 63.5                   | 220 | 171 | 60 | 20 | 25 | 24 | 124 | 55.6 | 22.2 | M16                     | 3.3                  |
| UCP212-36<br>212<br>212-38<br>212-39           | 2-1/4<br>60<br>2-3/8<br>2-7/16           | 60   | 69.8                   | 241 | 184 | 71 | 20 | 25 | 27 | 137 | 65.1 | 25.4 | M16                     | 4.7                  |
| UCP213-40<br>213                               | 2-1/2<br>65                              | 65   | 76.2                   | 265 | 203 | 68 | 25 | 30 | 28 | 150 | 65.1 | 25.4 | M20                     | 5.6                  |
| UCP214-44<br>214                               | 2-3/4<br>70<br>75                        | 75   | 79.4                   | 266 | 210 | 73 | 25 | 31 | 28 | 156 | 74.6 | 30.2 | M20                     | 6.6                  |
| UCP215<br>215-48                               | 3<br>80                                  | 80   | 82.6                   | 275 | 217 | 73 | 25 | 30 | 29 | 163 | 77.8 | 33.3 | M20                     | 7.3                  |
| UCP216<br>216-52<br>217                        | 3-1/4<br>85                              | 85   | 88.9                   | 290 | 231 | 76 | 25 | 30 | 32 | 174 | 82.6 | 33.3 | M20                     | 9                    |
| UCP217-52<br>217                               | 3-1/4<br>85                              | 85   | 95.2                   | 312 | 247 | 83 | 25 | 28 | 34 | 186 | 85.7 | 34.1 | M20                     | 10.8                 |
| UCP218-56<br>218                               | 3-1/2<br>90                              | 90   | 101.6                  | 326 | 262 | 87 | 27 | 32 | 35 | 198 | 96   | 39.7 | M22                     | 13                   |



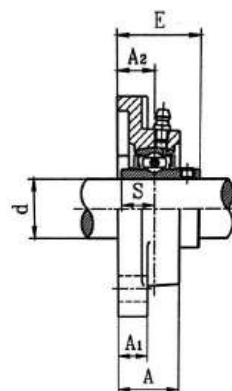
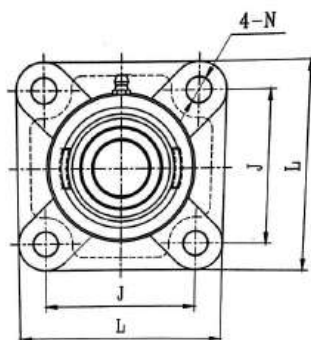
UCP重板座 Series

| 带座轴承<br>代号<br>Unit No. | 基本尺寸<br>Dimensions(mm) |     |    |      |    |    |    |     |
|------------------------|------------------------|-----|----|------|----|----|----|-----|
|                        | L                      | J   | A  | H    | H1 | N  | N1 | W   |
| UCP204                 | 127                    | 95  | 38 | 33.3 | 15 | 13 | 19 | 64  |
| UCP205                 | 140                    | 105 | 38 | 36.5 | 15 | 13 | 19 | 73  |
| UCP206                 | 165                    | 121 | 48 | 42.9 | 18 | 17 | 21 | 82  |
| UCP207                 | 166                    | 127 | 48 | 47.6 | 18 | 17 | 21 | 93  |
| UCP208                 | 183                    | 136 | 54 | 49.2 | 18 | 17 | 21 | 99  |
| UCP209                 | 190                    | 146 | 54 | 54   | 21 | 17 | 21 | 105 |
| UCP210                 | 206                    | 159 | 61 | 57.2 | 22 | 20 | 25 | 112 |
| UCP211                 | 219                    | 171 | 58 | 63.5 | 24 | 20 | 25 | 125 |
| UCP212                 | 241                    | 184 | 70 | 69.8 | 27 | 20 | 25 | 140 |
| UCP213                 | 264                    | 203 | 70 | 76.2 | 27 | 25 | 28 | 150 |
| UCP214                 | 267                    | 210 | 73 | 79.4 | 27 | 25 | 29 | 156 |
| UCP215                 | 274                    | 217 | 75 | 82.6 | 28 | 25 | 30 | 162 |




**UCF200 Series**

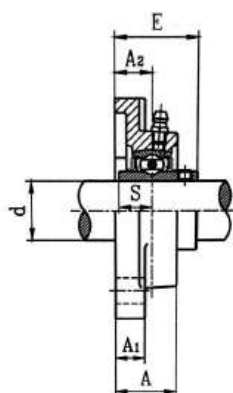
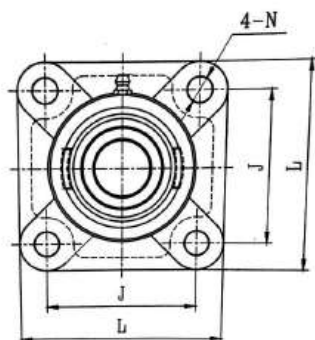
| 带座轴承<br>代号<br>Unit No.                         | 轴径 shaft<br>d<br>(in.) (mm)              |    | 基本尺寸<br>Dimensions (mm) |     |    |    |      |    |      |      | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |
|--|--|----|-------------------------|-----|----|----|------|----|------|------|-------------------------|----------------------|
|  |  |    | L                       | J   | A2 | A1 | A    | N  | E    | S    |                         |                      |
| UCWF201<br>201-8                               | 1/2                                      | 12 | 76                      | 54  | 15 | 11 | 25.5 | 12 | 27.4 | 11.5 | M10                     | 0.61                 |
| UCWF202<br>202-10                              | 5/8                                      | 15 | 76                      | 54  | 15 | 11 | 25.5 | 12 | 27.4 | 11.5 | M10                     | 0.61                 |
| UCWF203<br>203-11                              | 11/16                                    | 17 | 76                      | 54  | 15 | 11 | 25.5 | 12 | 27.4 | 11.5 | M10                     | 0.61                 |
| UCF204-12<br>204                               | 3/4                                      | 20 | 86                      | 64  | 15 | 11 | 25.5 | 12 | 31   | 12.7 | M10                     | 0.61                 |
| UCF205-14<br>205-15<br>205<br>205-16           | 7/8<br>15/16<br>1                        | 25 | 95                      | 70  | 16 | 13 | 27   | 12 | 34.1 | 14.3 | M10                     | 0.8                  |
| UCF206-18<br>206<br>206-19<br>206-20           | 1-1/8<br>30<br>1-3/16<br>1-1/4           | 30 | 108                     | 83  | 18 | 13 | 31   | 12 | 38.1 | 15.9 | M10                     | 1.0                  |
| UCF207-20<br>207-21<br>207-22<br>207<br>207-23 | 1-1/4<br>1-5/16<br>1-3/8<br>35<br>1-7/16 | 35 | 117                     | 92  | 19 | 15 | 34   | 14 | 42.9 | 17.5 | M12                     | 1.4                  |
| UCF208-24<br>208-25<br>208                     | 1-1/2<br>1-9/16<br>40                    | 40 | 130                     | 102 | 21 | 15 | 36   | 16 | 49.2 | 19   | M14                     | 1.8                  |
| UCF209-26<br>209-27<br>209-28<br>209           | 1-5/8<br>1-11/16<br>1-3/4<br>45          | 45 | 137                     | 105 | 22 | 16 | 38   | 16 | 49.2 | 19   | M14                     | 2.2                  |
| UCF210-30<br>210-31<br>210                     | 1-7/8<br>1-15/16<br>50                   | 50 | 143                     | 111 | 22 | 16 | 40   | 16 | 51.6 | 19   | M14                     | 2.4                  |
| UCF211-32<br>211-34<br>211<br>211-35           | 2<br>2-1/8<br>55<br>2-3/16               | 55 | 162                     | 130 | 25 | 18 | 43   | 19 | 55.6 | 22.2 | M16                     | 3.5                  |
| UCF212-36<br>212<br>212-38<br>212-39           | 2-1/4<br>60<br>2-3/8<br>2-7/16           | 60 | 175                     | 143 | 29 | 18 | 48   | 19 | 65.1 | 25.4 | M16                     | 4.2                  |
| UCF213-40<br>213                               | 2-1/2<br>65                              | 65 | 187                     | 149 | 30 | 22 | 50   | 19 | 65.1 | 25.4 | M16                     | 5.3                  |
| UCF214-44<br>214                               | 2-3/4<br>70                              | 70 | 193                     | 152 | 31 | 22 | 54   | 19 | 74.6 | 30.2 | M16                     | 5.9                  |
| UCF215-47<br>215<br>215-48                     | 2-15/16<br>75<br>3                       | 75 | 200                     | 159 | 34 | 22 | 56   | 19 | 77.8 | 33.3 | M16                     | 6.3                  |
| UCF216   | 80                                       | 80 | 208                     | 165 | 34 | 22 | 58   | 23 | 82.6 | 33.3 | M20                     | 7.3                  |
| UCF217-52<br>217                               | 3-1/4<br>85                              | 85 | 220                     | 175 | 36 | 24 | 63   | 23 | 85.7 | 34.1 | M20                     | 8.9                  |
| UCF218-56<br>218                               | 3-1/2<br>90                              | 90 | 235                     | 187 | 40 | 25 | 68   | 23 | 96   | 39.7 | M20                     | 11.6                 |



## UCF300 Series

| 带座轴承<br>代号<br>Unit No. | 轴径 shaft<br>d | 基本尺寸<br>Dimensions(mm) |     |    |    |     |    |     |    | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |
|------------------------|---------------|------------------------|-----|----|----|-----|----|-----|----|-------------------------|----------------------|
|                        | (in.) (mm)    | L                      | J   | A2 | A1 | A   | N  | E   | S  |                         |                      |
| UCF305-14              | 7/8           | 110                    | 80  | 16 | 13 | 29  | 16 | 38  | 15 | M14                     | 1.2                  |
| 305-15                 | 15/16         |                        |     |    |    |     |    |     |    |                         |                      |
| 305                    | 25            |                        |     |    |    |     |    |     |    |                         |                      |
| 305-16                 | 1             |                        |     |    |    |     |    |     |    |                         |                      |
| UCF306-18              | 1-1/8         | 125                    | 95  | 18 | 15 | 32  | 16 | 43  | 17 | M14                     | 1.8                  |
| 306                    | 30            |                        |     |    |    |     |    |     |    |                         |                      |
| 306-19                 | 1-3/16        |                        |     |    |    |     |    |     |    |                         |                      |
| UCF307-20              | 1-1/4         | 135                    | 100 | 20 | 16 | 36  | 19 | 48  | 19 | M16                     | 2.2                  |
| 307-21                 | 1-5/16        |                        |     |    |    |     |    |     |    |                         |                      |
| 307-22                 | 1-3/8         |                        |     |    |    |     |    |     |    |                         |                      |
| 307                    | 35            |                        |     |    |    |     |    |     |    |                         |                      |
| UCF308-24              | 1-1/2         | 150                    | 112 | 23 | 17 | 40  | 19 | 52  | 19 | M16                     | 2.9                  |
| 308-25                 | 1-9/16        |                        |     |    |    |     |    |     |    |                         |                      |
| 308                    | 40            |                        |     |    |    |     |    |     |    |                         |                      |
| UCF309-26              | 1-5/8         | 160                    | 125 | 25 | 18 | 44  | 19 | 57  | 22 | M16                     | 3.5                  |
| 309-27                 | 1-11/16       |                        |     |    |    |     |    |     |    |                         |                      |
| 309-28                 | 1-3/4         |                        |     |    |    |     |    |     |    |                         |                      |
| 309                    | 45            |                        |     |    |    |     |    |     |    |                         |                      |
| UCF310-30              | 1-7/8         | 175                    | 132 | 28 | 19 | 48  | 23 | 61  | 22 | M20                     | 4.8                  |
| 310-31                 | 1-15/16       |                        |     |    |    |     |    |     |    |                         |                      |
| 310                    | 50            |                        |     |    |    |     |    |     |    |                         |                      |
| UCF311-32              | 2             | 185                    | 140 | 30 | 20 | 52  | 23 | 66  | 25 | M20                     | 5.6                  |
| 311-34                 | 2-1/8         |                        |     |    |    |     |    |     |    |                         |                      |
| 311                    | 55            |                        |     |    |    |     |    |     |    |                         |                      |
| 311-35                 | 2-3/16        |                        |     |    |    |     |    |     |    |                         |                      |
| UCF312-36              | 2-1/4         | 195                    | 150 | 33 | 22 | 56  | 23 | 71  | 26 | M20                     | 6.7                  |
| 312                    | 60            |                        |     |    |    |     |    |     |    |                         |                      |
| 312-38                 | 2-3/8         |                        |     |    |    |     |    |     |    |                         |                      |
| 312-39                 | 2-7/16        |                        |     |    |    |     |    |     |    |                         |                      |
| UCF313-40              | 2-1/2         | 208                    | 166 | 33 | 22 | 58  | 23 | 75  | 30 | M20                     | 7.8                  |
| 313                    | 65            |                        |     |    |    |     |    |     |    |                         |                      |
| UCF314-44              | 2-3/4         | 226                    | 178 | 36 | 25 | 61  | 25 | 78  | 33 | M22                     | 10.1                 |
| 314                    | 70            |                        |     |    |    |     |    |     |    |                         |                      |
| UCF315                 | 75            | 236                    | 184 | 39 | 25 | 66  | 25 | 82  | 32 | M22                     | 11.1                 |
| 315-48                 | 3             |                        |     |    |    |     |    |     |    |                         |                      |
| UCF316                 | 80            | 250                    | 196 | 38 | 27 | 68  | 31 | 86  | 34 | M27                     | 12.8                 |
| UCF317-52              | 3-1/4         | 260                    | 204 | 44 | 27 | 74  | 31 | 96  | 40 | M27                     | 15.4                 |
| 317                    | 85            |                        |     |    |    |     |    |     |    |                         |                      |
| UCF318-56              | 3-1/2         | 280                    | 216 | 44 | 30 | 76  | 35 | 96  | 40 | M30                     | 19.0                 |
| 318                    | 90            |                        |     |    |    |     |    |     |    |                         |                      |
| UCF319                 | 95            | 290                    | 228 | 59 | 30 | 94  | 35 | 103 | 41 | M30                     | 20.7                 |
| 319-60                 | 3-3/4         |                        |     |    |    |     |    |     |    |                         |                      |
| UCF320                 | 100           | 310                    | 242 | 59 | 32 | 96  | 38 | 108 | 42 | M33                     | 24.8                 |
| 320-64                 | 4             |                        |     |    |    |     |    |     |    |                         |                      |
| UCF321                 | 105           | 310                    | 242 | 59 | 32 | 96  | 38 | 112 | 44 | M33                     | 25.6                 |
| UCF322                 | 110           | 340                    | 266 | 60 | 35 | 98  | 41 | 117 | 46 | M30                     | 34.7                 |
| UCF324                 | 120           | 370                    | 290 | 65 | 40 | 110 | 41 | 126 | 51 | M36                     |                      |
| UCF326                 | 130           | 410                    | 320 | 65 | 45 | 115 | 41 | 135 | 54 | M36                     |                      |
| UCF328                 | 140           | 450                    | 350 | 75 | 55 | 125 | 41 | 145 | 59 | M36                     |                      |



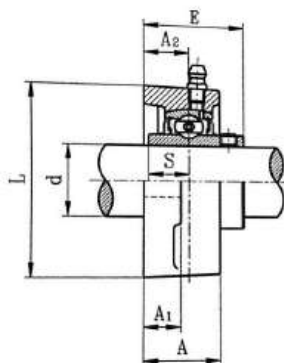
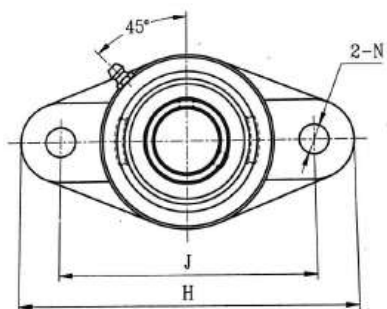

**UCF重板座 Series**

| 带座轴承<br>代号<br>Unit No.               | 轴径 shaft<br>d                   | 基本尺寸<br>Dimensions(mm) |     |    |    |      |    |      |      | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |
|--------------------------------------|---------------------------------|------------------------|-----|----|----|------|----|------|------|-------------------------|----------------------|
|                                      | (in.)(mm)                       | L                      | J   | A2 | A1 | A    | N  | E    | S    |                         |                      |
| UCWF201<br>201-8                     | 1/2                             | 76                     | 54  | 15 | 11 | 25.5 | 12 | 27.4 | 11.5 | M10                     | 0.61                 |
| UCWF202<br>202-10                    | 5/8                             | 76                     | 54  | 15 | 11 | 25.5 | 12 | 27.4 | 11.5 | M10                     | 0.61                 |
| UCWF203<br>203-11                    | 11/16                           | 76                     | 54  | 15 | 11 | 25.5 | 12 | 27.4 | 11.5 | M10                     | 0.61                 |
| UCF204-12<br>204                     | 3/4                             | 86                     | 64  | 15 | 12 | 25.5 | 12 | 31   | 12.7 | M10                     | 0.61                 |
| UCF205-14<br>205-15<br>205           | 7/8<br>15/16<br>25              | 95                     | 70  | 16 | 15 | 27   | 12 | 34.1 | 14.3 | M10                     | 0.8                  |
| UCF205-16<br>205-16                  | 1                               |                        |     |    |    |      |    |      |      |                         |                      |
| UCF206-18<br>206                     | 1-1/8                           | 108                    | 83  | 18 | 14 | 31   | 12 | 38.1 | 15.9 | M10                     | 1.0                  |
| UCF206-19<br>206-20                  | 1-3/16<br>1-1/4                 |                        |     |    |    |      |    |      |      |                         |                      |
| UCF207-20<br>207-21<br>207-22<br>207 | 1-1/4<br>1-5/16<br>1-3/8<br>35  | 117                    | 92  | 19 | 17 | 34   | 14 | 42.9 | 17.5 | M12                     | 1.4                  |
| UCF207-23<br>207-23                  | 1-7/16                          |                        |     |    |    |      |    |      |      |                         |                      |
| UCF208-24<br>208-25<br>208           | 1-1/2<br>1-9/16<br>40           | 130                    | 102 | 21 | 17 | 36   | 16 | 49.2 | 19   | M14                     | 1.8                  |
| UCF209-26<br>209-27<br>209-28<br>209 | 1-5/8<br>1-11/16<br>1-3/4<br>45 | 137                    | 105 | 22 | 19 | 38   | 16 | 49.2 | 19   | M14                     | 2.2                  |
| UCF210-30<br>210-31<br>210           | 1-7/8<br>1-15/16<br>50          | 143                    | 111 | 22 | 18 | 40   | 16 | 51.6 | 19   | M14                     | 2.4                  |
| UCF211-32<br>211-34<br>211           | 2<br>2-1/8<br>55                | 162                    | 130 | 25 | 20 | 43   | 19 | 55.6 | 22.2 | M16                     | 3.5                  |
| UCF211-35<br>211-35                  | 2-3/16                          |                        |     |    |    |      |    |      |      |                         |                      |
| UCF212-36<br>212<br>212-38<br>212-39 | 2-1/4<br>60<br>2-3/8<br>2-7/16  | 175                    | 143 | 29 | 20 | 48   | 19 | 65.1 | 25.4 | M16                     | 4.2                  |
| UCF213-40<br>213                     | 2-1/2<br>65                     | 187                    | 149 | 30 | 23 | 50   | 19 | 65.1 | 25.4 | M16                     | 5.3                  |
| UCF214-44<br>214                     | 2-3/4<br>70                     | 193                    | 152 | 31 | 22 | 54   | 19 | 74.6 | 30.2 | M16                     | 5.9                  |
| UCF215-47<br>215<br>215-48           | 2-15/16<br>75<br>3              | 200                    | 159 | 34 | 22 | 56   | 19 | 77.8 | 33.3 | M16                     | 6.3                  |
| UCF216<br>216                        | 80                              | 208                    | 165 | 34 | 22 | 58   | 23 | 82.6 | 33.3 | M20                     | 7.3                  |
| UCF217-52<br>217                     | 3-1/4<br>85                     | 220                    | 175 | 36 | 24 | 63   | 23 | 85.7 | 34.1 | M20                     | 8.9                  |
| UCF218-56<br>218                     | 3-1/2<br>90                     | 235                    | 187 | 40 | 25 | 68   | 23 | 96   | 39.7 | M20                     | 11.6                 |

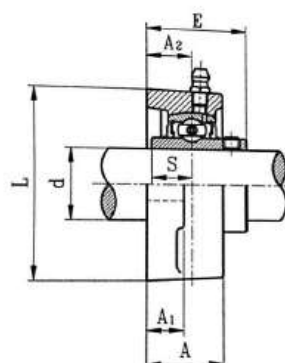
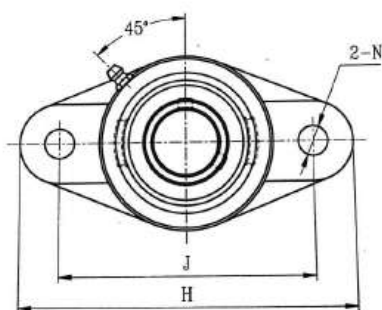
# FGJ<sup>®</sup> 福南轴承






**UCFL200 Series**

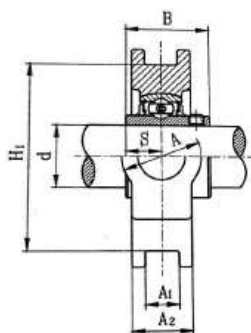
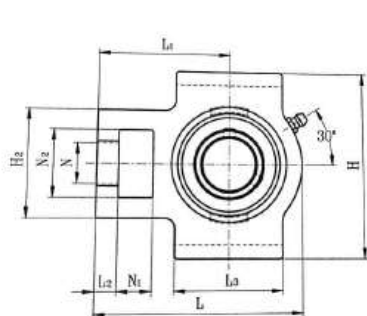
| 带座轴承<br>代号<br>Unit No.                          | 轴径 shaft |  | 基本尺寸<br>Dimensions(mm) |      |    |    |      |      |     |      | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |      |
|---|----------|--|------------------------|------|----|----|------|------|-----|------|-------------------------|----------------------|------|
|   | d        |  | H                      | J    | A2 | A1 | A    | N    | L   | E    |                         |                      | S    |
|   | (in.)    | (mm)                                     |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCWFL201<br>201-8                               |          | 12                                       | 99                     | 76.5 | 15 | 11 | 25.5 | 11.5 | 57  | 30.9 | 11.5                    | M10                  | 0.37 |
|   | 1/2      |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCWFL202<br>202-10                              |          | 15                                       |                        |      |    |    |      |      |     |      |                         |                      |      |
|   | 5/8      |  | 99                     | 76.5 | 15 | 11 | 25.5 | 11.5 | 57  | 30.9 | 11.5                    | M10                  | 0.37 |
| UCWFL203<br>203-11                              |          | 17                                       |                        |      |    |    |      |      |     |      |                         |                      |      |
|   | 11/16    |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL204-12<br>204                               |          | 3/4                                      | 113                    | 90   | 15 | 11 | 25.5 | 12   | 60  | 33.3 | 12.7                    | M10                  | 0.45 |
|   |          | 20                                       |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL205-14<br>205-15<br>205<br>205-16           |          | 7/8<br>15/16<br>25<br>1                  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  | 130                    | 99   | 16 | 13 | 27   | 16   | 68  | 35.7 | 14.3                    | M14                  | 0.66 |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL206-18<br>206<br>206-19<br>206-20           |          | 1-1/8<br>30<br>1-3/16<br>1-1/4           | 148                    | 117  | 18 | 13 | 31   | 16   | 80  | 40.2 | 15.9                    | M14                  | 0.86 |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL207-20<br>207-21<br>207-22<br>207<br>207-23 |          | 1-1/4<br>1-5/16<br>1-3/8<br>35<br>1-7/16 | 161                    | 130  | 19 | 15 | 34   | 16   | 90  | 44.1 | 17.5                    | M14                  | 1.15 |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL208-24<br>208-25<br>208                     |          | 1-1/2<br>1-9/16<br>40                    | 175                    | 144  | 21 | 15 | 36   | 16   | 100 | 51.2 | 19                      | M14                  | 1.46 |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL209-26<br>209-27<br>209-28<br>209           |          | 1-5/8<br>1-11/16<br>1-3/4<br>45          | 188                    | 148  | 22 | 16 | 38   | 19   | 108 | 52.2 | 19                      | M16                  | 1.85 |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL210-30<br>210-31<br>210<br>210-32           |          | 1-7/8<br>1-15/16<br>50<br>2              | 197                    | 157  | 22 | 16 | 40   | 19   | 115 | 54.6 | 19                      | M16                  | 1.96 |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL211-32<br>211-34<br>211<br>211-35           |          | 2<br>2-1/8<br>55<br>2-3/16               | 224                    | 184  | 25 | 18 | 43   | 19   | 130 | 28.4 | 22.2                    | M16                  | 2.9  |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL212-36<br>212<br>212-38<br>212-39           |          | 2-1/4<br>60<br>2-3/8<br>2-7/16           | 250                    | 202  | 29 | 18 | 48   | 23   | 140 | 68.7 | 25.4                    | M20                  | 3.7  |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL213-40<br>213                               |          | 2-1/2<br>65                              | 258                    | 210  | 30 | 22 | 50   | 23   | 155 | 69.7 | 25.4                    | M20                  | 4.76 |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL214-44<br>214                               |          | 2-3/4<br>70                              | 265                    | 216  | 31 | 22 | 54   | 23   | 160 | 75.4 | 30.2                    | M20                  | 5.3  |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL215-47<br>215<br>215-48                     |          | 2-15/16<br>75<br>3                       | 275                    | 225  | 34 | 22 | 56   | 23   | 165 | 78.5 | 33.3                    | M20                  | 5.85 |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL216<br>216                                  |          | 80                                       | 290                    | 233  | 34 | 22 | 58   | 25   | 180 | 83.3 | 33.3                    | M22                  | 7    |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL217-52<br>217                               |          | 3-1/4<br>85                              | 305                    | 248  | 36 | 24 | 63   | 25   | 190 | 87.6 | 34.1                    | M22                  | 9.8  |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
| UCFL218-56<br>218                               |          | 3-1/2<br>90                              | 320                    | 265  | 40 | 24 | 68   | 25   | 205 | 96.3 | 39.7                    | M22                  | 12.4 |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |
|   |          |  |                        |      |    |    |      |      |     |      |                         |                      |      |



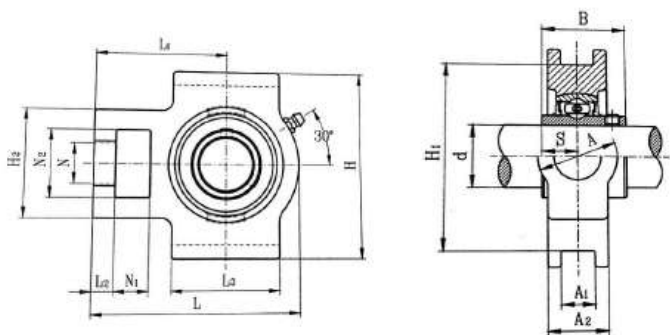
### UCFL300 Series

| 带座轴承<br>代号<br>Unit No.                | 轴径 shaft                        |                | 基本尺寸<br>Dimensions(mm) |     |    |    |     |    |     |     | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |      |     |     |    |    |    |    |     |    |    |     |      |
|---------------------------------------|---------------------------------|----------------|------------------------|-----|----|----|-----|----|-----|-----|-------------------------|----------------------|------|-----|-----|----|----|----|----|-----|----|----|-----|------|
|                                       | d                               |                | H                      | J   | A2 | A1 | A   | N  | L   | E   |                         |                      | S    |     |     |    |    |    |    |     |    |    |     |      |
|                                       | (in.)                           | (mm)           |                        |     |    |    |     |    |     |     |                         |                      |      |     |     |    |    |    |    |     |    |    |     |      |
| UCFL305-14<br>305-15<br>305<br>305-16 | 7/8<br>15/16<br><br>1           | <br>25<br><br> | 150                    | 113 | 16 | 13 | 29  | 19 | 80  | 38  | 15                      | M16                  | 1.10 |     |     |    |    |    |    |     |    |    |     |      |
| UCFL306-18<br>306<br>306-19           | 1-1/8<br><br>1-3/16             | <br>30<br>     |                        |     |    |    |     |    |     |     |                         |                      |      |     |     |    |    |    |    |     |    |    |     |      |
| UCFL307-20<br>307-21<br>307-22<br>307 | 1-1/4<br>1-5/16<br>1-3/8<br>35  | <br><br><br>   |                        |     |    |    |     |    |     |     |                         |                      |      |     |     |    |    |    |    |     |    |    |     |      |
| UCFL308-24<br>308-25<br>308           | 1-1/2<br>1-9/16<br>40           | <br><br>       |                        |     |    |    |     |    |     |     |                         |                      |      |     |     |    |    |    |    |     |    |    |     |      |
| UCFL309-26<br>309-27<br>309-28<br>309 | 1-5/8<br>1-11/16<br>1-3/4<br>45 | <br><br><br>   | 230                    | 177 | 25 | 18 | 44  | 25 | 125 | 57  | 22                      | M22                  | 3.63 |     |     |    |    |    |    |     |    |    |     |      |
| UCFL310-30<br>310-31<br>310           | 1-7/8<br>1-15/16<br>50          | <br><br>       |                        |     |    |    |     |    |     |     |                         |                      |      |     |     |    |    |    |    |     |    |    |     |      |
| UCFL311-32<br>311-34<br>311<br>311-35 | 2<br>2-1/8<br><br>2-3/16        | <br>55<br><br> |                        |     |    |    |     |    |     |     |                         |                      |      | 250 | 198 | 30 | 20 | 52 | 25 | 150 | 66 | 25 | M22 | 5.30 |
| UCFL312-36<br>312<br>312-38<br>312-39 | 2-1/4<br><br>2-3/8<br>2-7/16    | <br>60<br><br> |                        |     |    |    |     |    |     |     |                         |                      |      |     |     |    |    |    |    |     |    |    |     |      |
| UCFL313-40<br>313                     | 2-1/2<br>65                     | <br>           | 293                    | 240 | 33 | 25 | 58  | 31 | 175 | 75  | 30                      | M27                  | 8.20 |     |     |    |    |    |    |     |    |    |     |      |
| UCFL314-44<br>314                     | 2-3/4<br>70                     | <br>           |                        |     |    |    |     |    |     |     |                         |                      |      |     |     |    |    |    |    |     |    |    |     |      |
| UCFL315<br>315-48                     | 75<br>3                         | <br>           | 320                    | 260 | 39 | 30 | 66  | 35 | 195 | 82  | 32                      | M30                  | 11.0 |     |     |    |    |    |    |     |    |    |     |      |
| UCFL316                               | 80                              |                |                        |     |    |    |     |    |     |     |                         |                      |      | 355 | 285 | 38 | 32 | 68 | 38 | 210 | 86 | 34 | M33 | 14.3 |
| UCFL317                               | 85                              |                | 370                    | 300 | 44 | 32 | 74  | 38 | 220 | 96  | 40                      | M33                  | 16.2 |     |     |    |    |    |    |     |    |    |     |      |
| UCFL318                               | 90                              |                | 385                    | 315 | 44 | 36 | 76  | 38 | 235 | 96  | 40                      | M33                  | 19.2 |     |     |    |    |    |    |     |    |    |     |      |
| UCFL319                               | 95                              |                | 405                    | 330 | 59 | 40 | 94  | 41 | 250 | 103 | 41                      | M36                  | 21.8 |     |     |    |    |    |    |     |    |    |     |      |
| UCFL320                               | 100                             |                | 440                    | 360 | 59 | 40 | 94  | 44 | 270 | 108 | 42                      | M39                  | 26.5 |     |     |    |    |    |    |     |    |    |     |      |
| UCFL321                               | 105                             |                | 440                    | 360 | 59 | 40 | 94  | 44 | 270 | 112 | 44                      | M39                  |      |     |     |    |    |    |    |     |    |    |     |      |
| UCFL322                               | 110                             |                | 470                    | 390 | 60 | 42 | 96  | 44 | 300 | 117 | 46                      | M39                  |      |     |     |    |    |    |    |     |    |    |     |      |
| UCFL324                               | 120                             |                | 520                    | 430 | 65 | 48 | 110 | 47 | 330 | 126 | 51                      | M42                  |      |     |     |    |    |    |    |     |    |    |     |      |
| UCFL326                               | 130                             |                | 550                    | 460 | 65 | 50 | 115 | 47 | 360 | 135 | 54                      | M42                  |      |     |     |    |    |    |    |     |    |    |     |      |
| UCFL328                               | 140                             |                | 600                    | 500 | 75 | 60 | 125 | 51 | 400 | 145 | 59                      | M42                  |      |     |     |    |    |    |    |     |    |    |     |      |




**UCT200 Series**

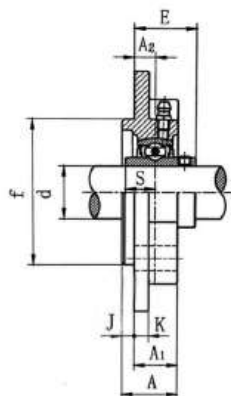
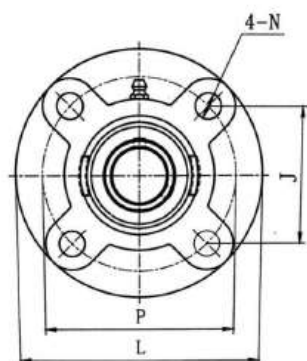
| 带座轴承<br>代号<br>Unit No.                         | 轴径 shaft<br>d                            | 基本尺寸<br>Dimensions(mm) |    |     |    |    |     |    |     |     |     |    |    |     |      |      | 重量<br>weight<br>(kg) |
|--|--|------------------------|----|-----|----|----|-----|----|-----|-----|-----|----|----|-----|------|------|----------------------|
|  | (in.)(mm)                                | N1                     | L2 | H2  | N2 | N  | L3  | A1 | H1  | H   | L   | A  | A2 | L1  | B    | S    |                      |
| UCWT201<br>201-8                               | 12<br>1/2                                | 12                     | 9  | 46  | 27 | 18 | 46  | 12 | 52  | 62  | 79  | 29 | 21 | 50  | 27.4 | 11.5 | 0.72                 |
| UCWT202<br>202-10                              | 15<br>5/8                                | 12                     | 9  | 46  | 27 | 18 | 46  | 12 | 52  | 62  | 79  | 29 | 21 | 50  | 27.4 | 11.5 | 0.72                 |
| UCWT203<br>203-11                              | 17<br>11/16                              | 12                     | 9  | 46  | 32 | 18 | 46  | 12 | 52  | 62  | 79  | 29 | 21 | 50  | 27.4 | 11.5 | 0.72                 |
| UCT204-12<br>204                               | 20<br>3/4                                | 16                     | 10 | 51  | 32 | 19 | 51  | 12 | 76  | 89  | 94  | 82 | 21 | 61  | 31   | 12.7 | 0.72                 |
| UCT205-14<br>205-15<br>205<br>205-16           | 25<br>7/8<br>15/16<br>1                  | 16                     | 10 | 51  | 32 | 19 | 51  | 12 | 76  | 89  | 97  | 32 | 25 | 62  | 34.1 | 14.3 | 0.8                  |
| UCT206-18<br>206<br>206-19<br>206-20           | 30<br>1-1/8<br>1-3/16<br>1-1/4           | 16                     | 10 | 56  | 37 | 22 | 57  | 12 | 89  | 102 | 113 | 37 | 27 | 70  | 38.1 | 15.9 | 1.26                 |
| UCT207-20<br>207-21<br>207-22<br>207<br>207-23 | 35<br>1-1/4<br>1-5/16<br>1-3/8<br>1-7/16 | 16                     | 13 | 64  | 37 | 22 | 64  | 12 | 89  | 102 | 128 | 37 | 28 | 78  | 42.9 | 17.5 | 1.68                 |
| UCT208-24<br>208-25<br>208                     | 40<br>1-1/2<br>1-9/16                    | 19                     | 16 | 83  | 49 | 29 | 83  | 16 | 102 | 114 | 144 | 49 | 32 | 88  | 49.2 | 19   | 2.28                 |
| UCT209-26<br>209-27<br>209-28<br>209           | 45<br>1-5/8<br>1-11/16<br>1-3/4          | 19                     | 16 | 83  | 49 | 29 | 83  | 16 | 102 | 117 | 144 | 49 | 35 | 87  | 49.2 | 19   | 2.52                 |
| UCT210-30<br>210-31<br>210                     | 50<br>1-7/8<br>1-15/16                   | 19                     | 16 | 83  | 49 | 29 | 86  | 16 | 102 | 117 | 149 | 49 | 37 | 90  | 51.6 | 19   | 2.75                 |
| UCT211-32<br>211-34<br>211<br>211-35           | 55<br>2<br>2-1/8<br>2-3/16               | 25                     | 19 | 102 | 64 | 35 | 95  | 22 | 130 | 146 | 171 | 64 | 36 | 106 | 55.6 | 22.2 | 4.1                  |
| UCT212-36<br>212<br>212-38<br>212-39           | 60<br>2-1/4<br>2-3/8<br>2-7/16           | 32                     | 19 | 102 | 64 | 35 | 102 | 22 | 130 | 146 | 194 | 64 | 40 | 119 | 65.1 | 25.4 | 4.9                  |
| UCT213-40<br>213                               | 65<br>2-1/2                              | 32                     | 21 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 224 | 70 | 40 | 137 | 65.1 | 25.4 | 6.7                  |
| UCT214-44<br>214                               | 70<br>2-3/4                              | 32                     | 21 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 224 | 70 | 42 | 137 | 74.6 | 30.2 | 6.9                  |
| UCT215<br>215-48                               | 75<br>3                                  | 32                     | 21 | 111 | 70 | 41 | 121 | 26 | 151 | 167 | 232 | 70 | 43 | 140 | 77.8 | 33.3 | 7.4                  |
| UCT216<br>217                                  | 80<br>3-1/4                              | 32                     | 21 | 111 | 70 | 41 | 121 | 26 | 165 | 184 | 235 | 70 | 50 | 140 | 82.6 | 33.3 | 8.1                  |
| UCT217-52<br>217                               | 85<br>3-1/2                              | 38                     | 29 | 124 | 73 | 48 | 157 | 30 | 173 | 198 | 260 | 73 | 53 | 162 | 85.7 | 34.1 | 1.1                  |
| UCT218-56<br>218                               | 90                                       | 40                     | 30 | 130 | 80 | 48 | 140 | 30 | 190 | 215 | 275 | 80 | 56 | 170 |      |      |                      |



## UCT300 Series

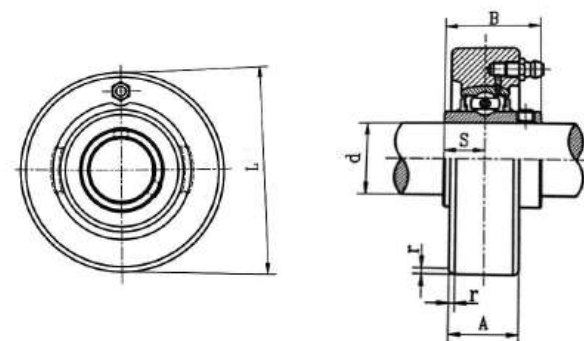
| 带座轴承<br>代号<br>Unit No. | 轴径 shaft<br>d | 基本尺寸<br>Dimensions(mm) |    |     |     |    |     |    |     |     |     |     |     |     |     |    | 重量<br>weight<br>(kg) |
|------------------------|---------------|------------------------|----|-----|-----|----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|----------------------|
|                        | (in.)(mm)     | N1                     | L2 | H2  | N2  | N  | L3  | A1 | H1  | H   | L   | A   | A2  | L1  | B   | S  |                      |
| UCT305-14              | 7/8           | 16                     | 12 | 62  | 36  | 26 | 65  | 12 | 80  | 89  | 122 | 36  | 26  | 76  | 38  | 15 | 1.41                 |
| 305-15                 | 15/16         |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| 305                    | 25            |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| 305-16                 | 1             |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT306-18              | 1-1/8         | 18                     | 14 | 70  | 41  | 28 | 74  | 16 | 90  | 100 | 137 | 41  | 28  | 85  | 43  | 17 | 1.85                 |
| 306                    | 30            |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT306-19              | 1-3/16        | 20                     | 15 | 75  | 45  | 30 | 80  | 16 | 100 | 110 | 150 | 45  | 32  | 94  | 48  | 19 | 2.45                 |
| 307-20                 | 1-1/4         |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| 307-21                 | 1-5/16        |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| 307-22                 | 1-3/8         |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| 307                    | 35            |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT308-24              | 1-1/2         | 22                     | 17 | 83  | 50  | 32 | 89  | 18 | 112 | 124 | 162 | 50  | 34  | 100 | 52  | 19 | 3.09                 |
| 308-25                 | 1-9/16        |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| 308                    | 40            |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT309-26              | 1-5/8         | 24                     | 18 | 90  | 55  | 34 | 97  | 18 | 125 | 138 | 178 | 55  | 38  | 110 | 57  | 22 | 4.08                 |
| 309-27                 | 1-11/16       |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| 309-28                 | 1-3/4         |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| 309                    | 45            |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT310-30              | 1-7/8         | 27                     | 20 | 98  | 61  | 37 | 106 | 20 | 140 | 151 | 191 | 61  | 40  | 117 | 61  | 22 | 5.25                 |
| 310-31                 | 1-15/16       |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| 310                    | 50            |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT311-32              | 2             | 29                     | 21 | 105 | 66  | 39 | 115 | 22 | 150 | 163 | 207 | 66  | 44  | 127 | 66  | 25 | 6.41                 |
| 311-34                 | 2-1/8         |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| 311                    | 55            |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| 311-35                 | 2-3/16        |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT312-36              | 2-1/4         | 31                     | 25 | 113 | 71  | 41 | 123 | 22 | 160 | 178 | 220 | 71  | 46  | 135 | 71  | 26 | 7.61                 |
| 312                    | 60            |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| 312-38                 | 2-3/8         |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| 312-39                 | 2-7/16        |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT313-40              | 2-1/2         | 32                     | 25 | 116 | 70  | 43 | 134 | 26 | 170 | 190 | 238 | 80  | 50  | 146 | 75  | 30 | 9.22                 |
| 313                    | 65            |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT314-44              | 2-3/4         | 36                     | 25 | 130 | 85  | 46 | 140 | 26 | 180 | 202 | 252 | 90  | 52  | 155 | 78  | 33 | 11.4                 |
| 314                    | 70            |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT315                 | 75            | 36                     | 25 | 132 | 85  | 46 | 150 | 26 | 192 | 216 | 262 | 90  | 55  | 160 | 82  | 32 | 12.9                 |
| 315-48                 | 3             | 42                     | 28 | 150 | 98  | 53 | 160 | 30 | 204 | 230 | 282 | 102 | 60  | 174 | 86  | 34 | 15.65                |
| UCT316                 | 80            | 42                     | 30 | 152 | 98  | 53 | 170 | 32 | 214 | 240 | 298 | 102 | 64  | 183 | 96  | 40 | 19.34                |
| UCT317-52              | 3-1/4         | 42                     | 30 | 152 | 98  | 53 | 170 | 32 | 214 | 240 | 298 | 102 | 64  | 183 | 96  | 40 | 19.34                |
| 317                    | 85            |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT318-56              | 3-1/2         | 46                     | 32 | 160 | 106 | 57 | 175 | 32 | 228 | 255 | 312 | 110 | 66  | 192 | 96  | 40 | 21.25                |
| 318                    | 90            |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT319                 | 3-3/4         | 46                     | 33 | 165 | 116 | 57 | 180 | 35 | 240 | 270 | 322 | 110 | 72  | 197 | 103 | 41 | 24.4                 |
| 319-60                 | 95            |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT320                 | 100           | 48                     | 32 | 175 | 115 | 59 | 200 | 35 | 260 | 290 | 345 | 120 | 75  | 210 | 108 | 42 | 30.6                 |
| 320-64                 | 4             | 48                     | 32 | 175 | 115 | 59 | 200 | 35 | 260 | 290 | 345 | 120 | 75  | 210 | 112 | 44 |                      |
| UCT321                 | 105           |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT322                 | 110           |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT324                 | 120           |                        |    |     |     |    |     |    |     |     |     |     |     |     |     |    |                      |
| UCT326                 | 130           | 65                     | 45 | 220 | 150 | 75 | 240 | 50 | 350 | 385 | 465 | 150 | 100 | 285 | 135 | 54 |                      |
| UCT328                 | 140           | 70                     | 50 | 230 | 160 | 80 | 255 | 50 | 380 | 415 | 515 | 155 | 100 | 315 | 145 | 59 |                      |





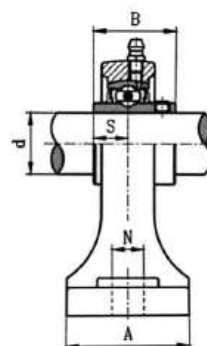
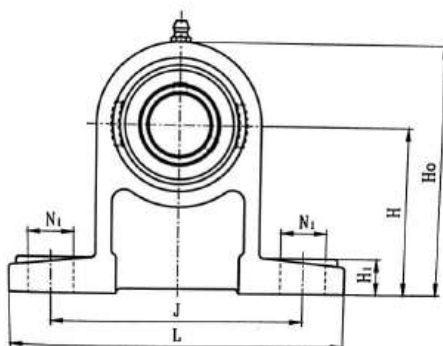
## UCFC200 Series

| 带座轴承<br>代号<br>Unit No. | 轴径 shaft<br>d(mm) | 基本尺寸<br>Dimensions(mm) |     |       |    |    |      |    |    |      |     |      |      |      | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |
|------------------------|-------------------|------------------------|-----|-------|----|----|------|----|----|------|-----|------|------|------|-------------------------|----------------------|
|                        |                   | L                      | P   | J     | A2 | N  | A    | j  | k  | A1   | f   | E    | Bi   | S    |                         |                      |
| UCWFC201               | 12                | 90                     | 70  | 49.5  | 9  | 10 | 23.5 | 4  | 7  | 19.5 | 55  | 28.3 | 27.4 | 11.5 | 8                       | 0.64                 |
| UCWFC202               | 15                | 90                     | 70  | 49.5  | 9  | 10 | 23.5 | 4  | 7  | 19.5 | 55  | 28.3 | 27.4 | 11.5 | 8                       | 0.60                 |
| UCWFC203               | 17                | 90                     | 70  | 49.5  | 9  | 10 | 23.5 | 4  | 7  | 19.5 | 55  | 28.3 | 27.4 | 11.5 | 8                       | 0.58                 |
| UCFC204                | 20                | 100                    | 78  | 55.1  | 10 | 12 | 25.5 | 5  | 7  | 20.5 | 62  | 28.3 | 31   | 12.7 | 10                      | 0.75                 |
| UCFC205                | 25                | 115                    | 90  | 63.6  | 10 | 12 | 27   | 6  | 7  | 21   | 70  | 28.7 | 34.1 | 14.3 | 10                      | 1                    |
| UCFC206                | 30                | 125                    | 100 | 70.7  | 10 | 12 | 31   | 8  | 8  | 23   | 80  | 32.2 | 38.1 | 15.9 | 10                      | 1.3                  |
| UCFC207                | 35                | 135                    | 110 | 77.8  | 11 | 14 | 34   | 8  | 9  | 26   | 90  | 36.4 | 42.9 | 17.5 | 12                      | 1.75                 |
| UCFC208                | 40                | 145                    | 120 | 84.8  | 11 | 14 | 36   | 10 | 9  | 26   | 100 | 41.2 | 49.2 | 19   | 12                      | 2                    |
| UCFC209                | 45                | 160                    | 132 | 93.3  | 10 | 16 | 38   | 12 | 14 | 26   | 105 | 40.2 | 49.2 | 19   | 14                      | 2.5                  |
| UCFC210                | 50                | 165                    | 138 | 97.6  | 10 | 16 | 40   | 12 | 14 | 28   | 110 | 42.6 | 51.6 | 19   | 14                      | 2.95                 |
| UCFC211                | 55                | 185                    | 150 | 106.1 | 13 | 19 | 43   | 12 | 15 | 31   | 125 | 46.4 | 55.6 | 22.2 | 16                      | 4                    |
| UCFC212                | 60                | 195                    | 160 | 113.1 | 17 | 19 | 48   | 12 | 15 | 36   | 135 | 56.7 | 65.1 | 25.4 | 16                      | 4.9                  |
| UCFC213                | 65                | 205                    | 170 | 120.2 | 16 | 19 | 50   | 14 | 15 | 36   | 145 | 56.7 | 65.1 | 25.4 | 16                      | 5.35                 |
| UCFC214                | 70                | 215                    | 177 | 125.1 | 17 | 19 | 54   | 14 | 18 | 40   | 150 | 61.4 | 74.6 | 30.2 | 16                      | 6.9                  |
| UCFC215                | 75                | 220                    | 184 | 130.1 | 18 | 19 | 56   | 16 | 18 | 40   | 160 | 62.5 | 77.8 | 33.3 | 16                      | 7.5                  |
| UCFC216                | 80                | 240                    | 200 | 141.4 | 18 | 23 | 58   | 16 | 18 | 42   | 170 | 67.3 | 82.6 | 33.3 | 20                      | 8.7                  |
| UCFC217                | 85                | 250                    | 208 | 147.1 | 18 | 23 | 63   | 18 | 20 | 45   | 180 | 69.6 | 85.7 | 34.1 | 20                      | 10.3                 |
| UCFC218                | 90                | 265                    | 220 | 155.5 | 22 | 23 | 68   | 18 | 20 | 50   | 190 | 78.3 | 96.0 | 39.7 | 20                      | 13.5                 |



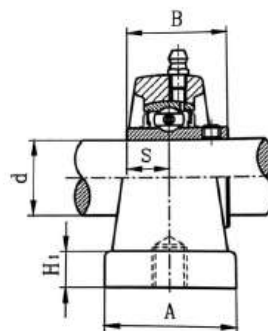
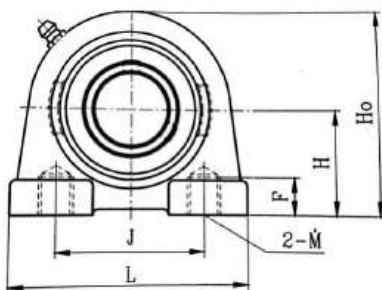
## UCC200 Series

| 带座轴承<br>代号<br>Unit No. | 轴径 shaft<br>d(mm) | 基本尺寸<br>Dimensions(mm) |    |      |      |     | 重量<br>weight<br>(kg) |
|------------------------|-------------------|------------------------|----|------|------|-----|----------------------|
|                        |                   | L                      | A  | B    | S    | r   |                      |
| UCWC201                | 12                | 67                     | 20 | 27.4 | 11.5 | 1.5 | 0.56                 |
| UCWC202                | 15                | 67                     | 20 | 27.4 | 11.5 | 1.5 | 0.52                 |
| UCWC203                | 17                | 67                     | 20 | 27.4 | 11.5 | 1.5 | 0.51                 |
| UCC204                 | 20                | 72                     | 20 | 31.0 | 12.7 | 1.5 | 0.49                 |
| UCC205                 | 25                | 80                     | 22 | 34   | 14.3 | 1.5 | 0.65                 |
| UCC206                 | 30                | 85                     | 27 | 38.1 | 15.9 | 1.5 | 0.82                 |
| UCC207                 | 35                | 90                     | 28 | 42.9 | 17.5 | 1.5 | 0.93                 |
| UCC208                 | 40                | 100                    | 30 | 49.2 | 19.0 | 1.5 | 1.25                 |
| UCC209                 | 45                | 110                    | 31 | 49.2 | 19.0 | 2   | 1.53                 |
| UCC210                 | 50                | 120                    | 33 | 51.6 | 19.0 | 2   | 1.93                 |
| UCC211                 | 55                | 125                    | 35 | 55.6 | 22.2 | 2   | 2.14                 |
| UCC212                 | 60                | 130                    | 38 | 65.1 | 25.4 | 2   | 2.52                 |
| UCC213                 | 65                | 140                    | 40 | 65.1 | 25.4 | 2   | 2.97                 |



UCPH200 Series

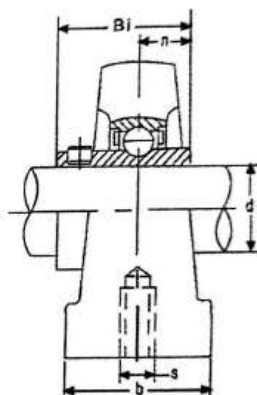
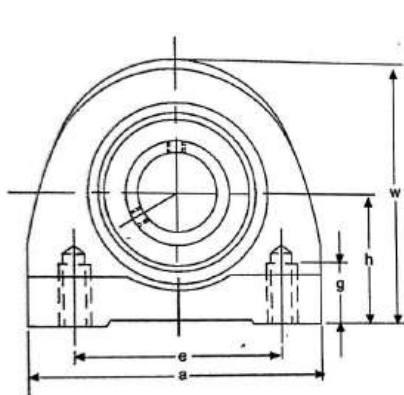
| 带座轴承<br>代号<br>Unit No. | 轴径 shaft<br>d(mm) | 基本尺寸<br>Dimensions(mm) |     |     |    |    |    |    |     |       |      | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |
|------------------------|-------------------|------------------------|-----|-----|----|----|----|----|-----|-------|------|-------------------------|----------------------|
|                        |                   | H                      | L   | J   | A  | N  | N1 | H1 | HO  | B     | S    |                         |                      |
| UCPH202                | 15                | 70                     | 127 | 95  | 40 | 13 | 19 | 15 | 100 | 27.4  | 11.5 | 10                      | 0.96                 |
| UCPH203                | 17                | 70                     | 127 | 95  | 40 | 13 | 19 | 15 | 100 | 27.4  | 11.5 | 10                      | 0.96                 |
| UCPH204                | 20                | 70                     | 127 | 95  | 40 | 13 | 19 | 17 | 101 | 31    | 12.7 | 10                      | 0.96                 |
| UCPH205                | 25                | 80                     | 140 | 105 | 50 | 13 | 19 | 17 | 114 | 34.11 | 14.3 | 10                      | 1.20                 |
| UCPH206                | 30                | 90                     | 165 | 121 | 50 | 17 | 21 | 17 | 128 | 38.1  | 15.9 | 14                      | 1.60                 |
| UCPH207                | 35                | 95                     | 165 | 127 | 60 | 17 | 21 | 18 | 140 | 42.9  | 17.5 | 14                      | 2.00                 |
| UCPH208                | 40                | 100                    | 178 | 137 | 70 | 17 | 21 | 19 | 149 | 49.2  | 19.0 | 14                      | 2.70                 |
| UCPH209                | 45                | 105                    | 190 | 146 | 70 | 17 | 21 | 21 | 159 | 49.2  | 19.0 | 14                      | 3.00                 |
| UCPH210                | 50                | 110                    | 204 | 159 | 70 | 20 | 23 | 22 | 165 | 51.6  | 19.0 | 16                      | 3.50                 |
| UCPH211                | 55                | 120                    | 219 | 171 | 75 | 20 | 23 | 25 | 181 | 55.6  | 22.2 | 16                      | 5.47                 |
| UCPH212                | 60                | 130                    | 235 | 186 | 85 | 20 | 25 | 24 | 197 | 65.1  | 25.4 | 16                      | 6.31                 |



UCWA200 Series

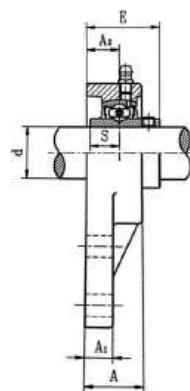
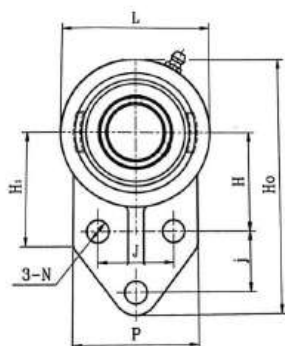
| 带座轴承<br>代号<br>Unit No. | 轴径 shaft<br>d(mm) | 基本尺寸<br>Dimensions(mm) |     |     |    |    |    |     |      |      | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |
|------------------------|-------------------|------------------------|-----|-----|----|----|----|-----|------|------|-------------------------|----------------------|
|                        |                   | H                      | L   | J   | A  | F  | H1 | HO  | B    | S    |                         |                      |
| UCWPA201               | 12                | 30.2                   | 70  | 48  | 36 | 12 | 11 | 57  | 27.4 | 11.5 | M8                      | 0.67                 |
| UCWPA202               | 15                | 30.2                   | 70  | 48  | 36 | 12 | 11 | 57  | 27.4 | 11.5 | M8                      | 0.63                 |
| UCWPA203               | 17                | 30.2                   | 70  | 48  | 36 | 13 | 11 | 57  | 27.4 | 11.5 | M8                      | 0.62                 |
| UCPA204                | 20                | 30.2                   | 76  | 52  | 38 | 13 | 12 | 62  | 31.0 | 12.7 | M10                     | 0.60                 |
| UCPA205                | 25                | 36.5                   | 84  | 56  | 38 | 15 | 14 | 72  | 34.1 | 14.3 | M10                     | 0.81                 |
| UCPA206                | 30                | 42.9                   | 94  | 66  | 50 | 18 | 13 | 84  | 38.1 | 15.9 | M14                     | 1.20                 |
| UCPA207                | 35                | 47.6                   | 110 | 80  | 48 | 20 | 13 | 95  | 42.9 | 17.5 | M14                     | 1.70                 |
| UCPA208                | 40                | 49.2                   | 116 | 84  | 60 | 20 | 13 | 100 | 49.2 | 19.0 | M14                     | 1.90                 |
| UCPA209                | 45                | 54.2                   | 120 | 90  | 61 | 25 | 14 | 108 | 49.2 | 19.0 | M14                     | 2.20                 |
| UCPA210                | 50                | 57.2                   | 132 | 94  | 65 | 25 | 15 | 116 | 51.6 | 19.0 | M16                     | 2.60                 |
| UCPA211                | 55                | 63.5                   | 140 | 104 | 67 | 25 | 15 | 125 | 55.6 | 22.2 | M16                     | 3.00                 |
| UCPA212                | 60                | 69.9                   | 151 | 114 | 68 | 25 | 16 | 138 | 65.1 | 25.4 | M16                     | 4.24                 |
| UCPA213                | 65                | 76.2                   | 162 | 124 | 70 | 25 | 16 | 155 | 65.1 | 25.4 | M16                     | 6.23                 |





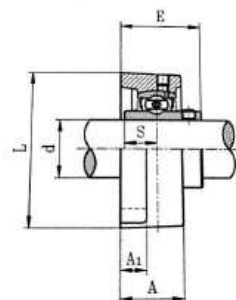
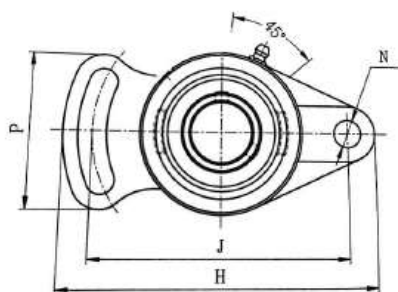
## UCPW200 Series

| 带座轴承<br>代号<br>Unit No. | 轴径 shaft<br>d(mm) | 基本尺寸<br>Dimensions(mm) |     |       |    |    |     |      |      | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |
|------------------------|-------------------|------------------------|-----|-------|----|----|-----|------|------|-------------------------|----------------------|
|                        |                   | h                      | a   | e     | b  | g  | w   | Bi   | n    |                         |                      |
| UCPW201                | 12                | 33.3                   | 65  | 50.8  | 32 | 13 | 64  | 31   | 12.7 | M8                      | 0.8                  |
| UCPW202                | 15                | 33.3                   | 65  | 50.8  | 32 | 13 | 64  | 31   | 12.7 | M8                      | 0.79                 |
| UCPW203                | 17                | 33.3                   | 65  | 50.8  | 32 | 13 | 64  | 31   | 12.7 | M8                      | 0.77                 |
| UCPW204                | 20                | 33.3                   | 65  | 50.8  | 32 | 13 | 64  | 31   | 12.7 | M8                      | 0.76                 |
| UCPW205                | 25                | 36.5                   | 70  | 50.8  | 36 | 13 | 70  | 34   | 14.3 | M10                     | 0.91                 |
| UCPW206                | 30                | 42.9                   | 98  | 76.2  | 38 | 16 | 82  | 38.1 | 15.9 | M10                     | 1.42                 |
| UCPW207                | 35                | 47.6                   | 103 | 82.6  | 45 | 19 | 93  | 42.9 | 17.5 | M10                     | 1.91                 |
| UCPW208                | 40                | 49.2                   | 116 | 88.9  | 47 | 19 | 99  | 49.2 | 19   | M12                     | 2.28                 |
| UCPW209                | 45                | 53.9                   | 120 | 95.3  | 48 | 19 | 107 | 49.2 | 19   | M12                     | 2.61                 |
| UCPW210                | 50                | 57.2                   | 135 | 101.6 | 54 | 22 | 115 | 51.6 | 19   | M16                     | 3.28                 |



### UCFB200 Series

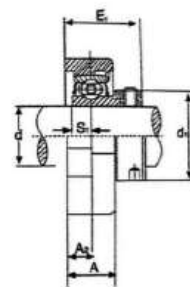
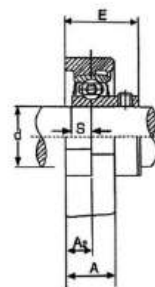
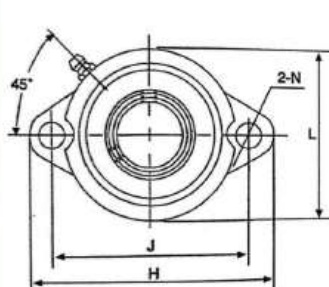
| 带座轴承<br>代号<br>Unit No. | 轴径 shaft<br>d(mm) | 基本尺寸<br>Dimensions(mm) |    |    |    |    |    |      |    |    |     |    |      |      |      | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |
|------------------------|-------------------|------------------------|----|----|----|----|----|------|----|----|-----|----|------|------|------|-------------------------|----------------------|
|                        |                   | HO                     | H  | J  | j  | A2 | A1 | A    | H1 | N  | L   | P  | E    | Bi   | S    |                         |                      |
| UCWFB201               | 12                | 110                    | 42 | 32 | 27 | 13 | 13 | 25.5 | 52 | 10 | 62  | 52 | 33.3 | 27.4 | 11.5 | M8                      | 0.62                 |
| UCWFB202               | 15                | 110                    | 42 | 32 | 27 | 13 | 13 | 25.5 | 52 | 10 | 62  | 52 | 33.3 | 27.4 | 11.5 | M8                      | 0.58                 |
| UCWFB203               | 17                | 110                    | 42 | 32 | 27 | 13 | 13 | 25.5 | 52 | 10 | 62  | 52 | 33.3 | 27.4 | 11.5 | M8                      | 0.57                 |
| UCFB204                | 20                | 110                    | 42 | 32 | 27 | 15 | 13 | 25.5 | 52 | 10 | 62  | 52 | 33.3 | 31.0 | 12.7 | M8                      | 0.62                 |
| UCFB205                | 25                | 116                    | 45 | 34 | 27 | 16 | 13 | 27.0 | 52 | 10 | 68  | 56 | 35.7 | 34.1 | 14.3 | M8                      | 0.69                 |
| UCFB206                | 30                | 130                    | 50 | 40 | 29 | 18 | 13 | 31.0 | 55 | 10 | 78  | 65 | 40.2 | 38.1 | 15.9 | M8                      | 0.93                 |
| UCFB207                | 35                | 144                    | 55 | 46 | 32 | 19 | 15 | 34.0 | 62 | 10 | 90  | 70 | 44.4 | 42.9 | 17.5 | M8                      | 1.30                 |
| UCFB208                | 40                | 164                    | 60 | 50 | 41 | 21 | 16 | 36.0 | 72 | 12 | 100 | 78 | 51.2 | 49.2 | 19.0 | M10                     | 1.80                 |
| UCFB209                | 45                | 174                    | 65 | 54 | 43 | 22 | 18 | 38.0 | 76 | 12 | 106 | 80 | 52.2 | 49.2 | 19.0 | M10                     | 2.00                 |
| UCFB210                | 50                | 184                    | 68 | 58 | 46 | 22 | 18 | 40.0 | 82 | 12 | 112 | 86 | 54.6 | 51.6 | 19.0 | M10                     | 2.30                 |



### UCFA200 Series

| 带座轴承<br>代号<br>Unit No. | 轴径 shaft<br>d(mm) | 基本尺寸<br>Dimensions(mm) |     |    |    |      |    |    |    |     |     |      |      |      | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |
|------------------------|-------------------|------------------------|-----|----|----|------|----|----|----|-----|-----|------|------|------|-------------------------|----------------------|
|                        |                   | H                      | J   | A2 | A1 | A    | N  | S1 | S2 | L   | P   | E    | Bi   | S    |                         |                      |
| UCWFA201               | 12                | 98                     | 78  | 15 | 11 | 25.5 | 10 | 10 | 40 | 60  | 54  | 33.3 | 27.4 | 11.5 | M8                      | 0.53                 |
| UCWFA202               | 15                | 98                     | 78  | 15 | 11 | 25.5 | 10 | 10 | 40 | 60  | 54  | 33.3 | 27.4 | 11.5 | M8                      | 0.49                 |
| UCWFA203               | 17                | 98                     | 78  | 15 | 11 | 25.5 | 10 | 10 | 40 | 60  | 54  | 33.3 | 27.4 | 11.5 | M8                      | 0.48                 |
| UCFA204                | 20                | 95                     | 78  | 15 | 12 | 25.5 | 10 | 10 | 40 | 60  | 54  | 33.3 | 31.0 | 12.7 | M8                      | 0.46                 |
| UCFA205                | 25                | 125                    | 98  | 16 | 14 | 27.0 | 12 | 13 | 51 | 68  | 65  | 35.7 | 34.1 | 14.3 | M10                     | 0.69                 |
| UCFA206                | 30                | 144                    | 117 | 18 | 14 | 31.0 | 12 | 13 | 58 | 80  | 72  | 40.2 | 38.1 | 15.9 | M10                     | 1.00                 |
| UCFA207                | 35                | 161                    | 130 | 19 | 16 | 34.0 | 15 | 15 | 66 | 90  | 82  | 44.4 | 42.9 | 17.5 | M12                     | 1.50                 |
| UCFA208                | 40                | 175                    | 144 | 21 | 16 | 36.0 | 15 | 15 | 71 | 100 | 87  | 51.2 | 49.2 | 19.0 | M12                     | 1.80                 |
| UCFA209                | 45                | 181                    | 148 | 22 | 18 | 38.0 | 15 | 15 | 72 | 108 | 90  | 52.2 | 49.2 | 19.0 | M14                     | 2.10                 |
| UCFA210                | 50                | 190                    | 157 | 22 | 18 | 40.0 | 15 | 15 | 76 | 115 | 94  | 54.6 | 51.6 | 19.0 | M14                     | 2.30                 |
| UCFA211                | 55                | 219                    | 184 | 25 | 20 | 43.0 | 16 | 17 | 86 | 130 | 104 | 58.4 | 55.6 | 22.2 | M14                     | 3.60                 |



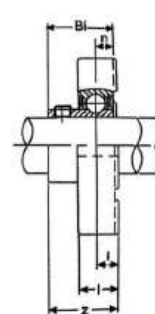
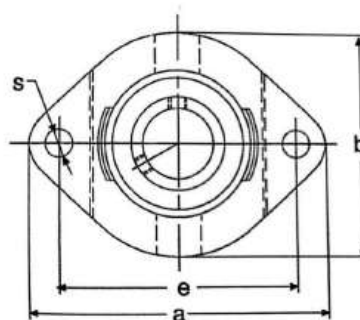


SBLF

SALF

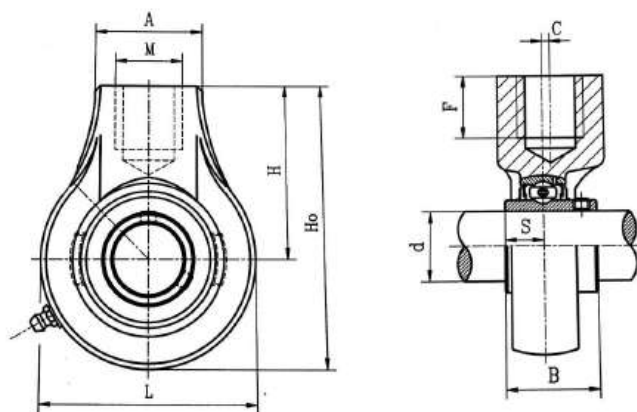
SBLF200, SALF200 Series

| 带座轴承<br>代号<br>Unit No. |     | 基本尺寸<br>Dimensions(mm) |     |      |    |                |      |    |     |                |      |      |                | 螺栓<br>bolt site<br>(mm) | 轴承代号<br>Bearing No. |     | 座代号<br>Housing No. |      | 重量<br>weight<br>(kg) |      |
|------------------------|-----|------------------------|-----|------|----|----------------|------|----|-----|----------------|------|------|----------------|-------------------------|---------------------|-----|--------------------|------|----------------------|------|
|                        |     | d                      | H   | J    | L  | A <sub>2</sub> | A    | N  | S   | S <sub>1</sub> | E    | E1   | d <sub>1</sub> |                         |                     |     |                    |      | SBLF                 | SALF |
| SBLF<br>SALF           | 201 | 12                     | 81  | 63.5 | 56 | 9.5            | 18.0 | 8  | 6.0 | 6.5            | 25.5 | 32.0 | 28.6           | M6                      | SB<br>SA            | 201 | LF203              | 0.27 | 0.28                 |      |
|                        | 202 | 15                     | 81  | 63.5 | 56 | 9.5            | 18.0 | 8  | 6.0 | 6.5            | 25.5 | 32.0 | 28.6           | M6                      |                     | 202 | LF203              | 0.25 | 0.28                 |      |
|                        | 203 | 17                     | 81  | 63.5 | 56 | 9.5            | 18.0 | 8  | 6.0 | 6.5            | 25.5 | 32.0 | 28.6           | M6                      |                     | 203 | LF203              | 0.25 | 0.28                 |      |
|                        | 204 | 20                     | 90  | 71.5 | 61 | 11.0           | 20.0 | 10 | 7.0 | 7.0            | 29.0 | 33.5 | 33.3           | M8                      |                     | 204 | LF204              | 0.33 | 0.33                 |      |
|                        | 205 | 25                     | 95  | 76.0 | 64 | 11.0           | 20.0 | 10 | 7.5 | 7.5            | 30.5 | 34.0 | 38.1           | M8                      |                     | 205 | LF205              | 0.38 | 0.42                 |      |
|                        | 206 | 30                     | 113 | 90.5 | 79 | 12.0           | 22.5 | 12 | 8.0 | 8.0            | 34.0 | 37.9 | 44.5           | M10                     |                     | 206 | LF206              | 0.56 | 0.60                 |      |
|                        | 207 | 35                     | 122 | 100  | 89 | 13.0           | 24.0 | 12 | 8.5 | 8.5            | 36.5 | 41.0 | 55.6           | M10                     |                     | 207 | LF207              | 0.80 | 0.85                 |      |



SBFW200, SBFD200 Series

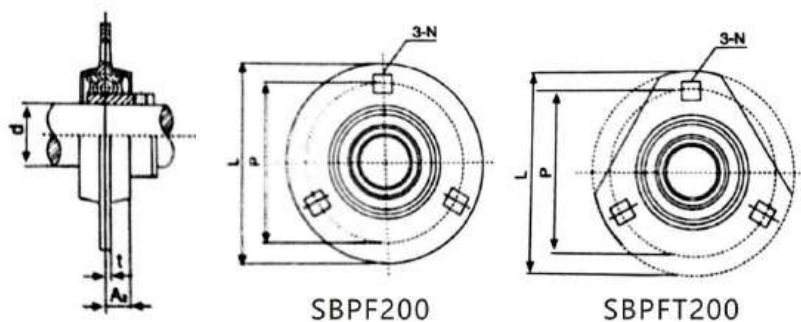
| 带座轴承<br>代号<br>Unit No. | 轴径 shaft<br>d(mm) | 基本尺寸<br>Dimensions(mm) |      |      |      |      |      |      |    |     | 螺栓<br>bolt site<br>(mm) | 重量<br>weight<br>(kg) |
|------------------------|-------------------|------------------------|------|------|------|------|------|------|----|-----|-------------------------|----------------------|
|                        |                   | a                      | e    | i    | l    | s    | b    | z    | Bi | n   |                         |                      |
| SBFW201<br>SBFD201     | 12                | 81                     | 63.5 | 8.5  | 15   | 7    | 58.7 | 24.5 | 22 | 6   | M6                      | 0.28                 |
| SBFW202<br>SBFD202     | 15                | 81                     | 63.5 | 8.5  | 15   | 7    | 58.7 | 24.5 | 22 | 6   | M6                      | 0.27                 |
| SBFW203<br>SBFD203     | 17                | 81                     | 63.5 | 8.5  | 15   | 7    | 58.7 | 24.5 | 22 | 6   | M6                      | 0.26                 |
| SBFW204<br>SBFD204     | 20                | 90.5                   | 71.4 | 9.5  | 17   | 9    | 66.5 | 27.5 | 25 | 7   | M8                      | 0.37                 |
| SBFW205<br>SBFD205     | 25                | 97                     | 76.2 | 9.5  | 17.5 | 9    | 7.1  | 29   | 27 | 7.5 | M8                      | 0.44                 |
| SBFW206<br>SBFD206     | 30                | 112.5                  | 90.5 | 11.5 | 20.5 | 11.5 | 84   | 32.5 | 30 | 8   | M10                     | 0.7                  |
| SBFW207<br>SBFD207     | 35                | 126                    | 100  | 12.5 | 22   | 11.5 | 94   | 38   | 32 | 8.5 | M10                     | 0.91                 |
| SBFW208<br>SBFD208     | 40                | 148                    | 119  | 14.5 | 25   | 13.5 | 1    | 43.5 | 34 | 9   | M12                     | 1.2                  |



### UCHA200 Series

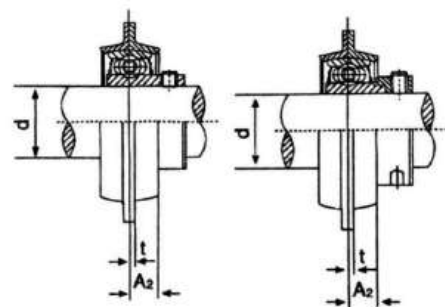
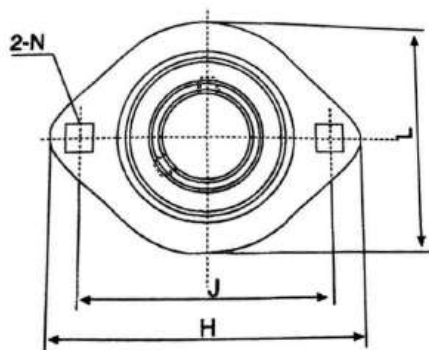
| 带座轴承<br>代号<br>Unit No. | 轴径 shaft<br>d(mm) | 基本尺寸<br>Dimensions(mm) |     |     |       |    |      |      |     |    | 重量<br>weight<br>(kg) |
|------------------------|-------------------|------------------------|-----|-----|-------|----|------|------|-----|----|----------------------|
|                        |                   | L                      | HO  | H   | M(in) | F  | Bi   | S    | C   | B  |                      |
| UCHA204                | 20                | 64                     | 96  | 64  | G3/4  | 19 | 31   | 12.7 | 0   | 21 | 0.70                 |
| UCHA205                | 25                | 70                     | 103 | 64  | G3/4  | 19 | 34   | 14.3 | 0   | 24 | 0.74                 |
| UCHA206                | 30                | 78                     | 103 | 64  | G3/4  | 19 | 38.1 | 15.9 | 0   | 28 | 0.91                 |
| UCHA207                | 35                | 92                     | 116 | 70  | G3/4  | 19 | 42.9 | 17.5 | 0   | 30 | 1.19                 |
| UCHA208                | 40                | 96                     | 121 | 73  | G3/4  | 19 | 49.2 | 19.0 | 2   | 33 | 1.36                 |
| UCHA209                | 45                | 108                    | 136 | 82  | G1    | 21 | 49.2 | 19.0 | 4   | 35 | 1.78                 |
| UCHA210                | 50                | 118                    | 142 | 83  | G1    | 21 | 51.6 | 19.0 | 5   | 37 | 1.93                 |
| UCHA211                | 55                | 126                    | 150 | 87  | G5/4  | 25 | 55.6 | 22.2 | 7   | 38 | 3.50                 |
| UCHA212                | 60                | 142                    | 173 | 102 | G5/4  | 28 | 65.1 | 25.4 | 9   | 42 | 3.90                 |
| UCHA213                | 65                | 166                    | 200 | 117 | G5/4  | 32 | 65.1 | 25.4 | 9.5 | 44 |                      |





PF200, PFT200 Series

| 座代号<br>Housing No. |     | 外形尺寸<br>Dimensions(mm) |     |       |                |     |      | 螺栓<br>bolt site<br>(mm) | 轴承代号<br>Bearing No. |     | 重量<br>weight<br>(kg) |  |
|--------------------|-----|------------------------|-----|-------|----------------|-----|------|-------------------------|---------------------|-----|----------------------|--|
|                    |     | d                      | L   | P     | A <sub>2</sub> | t   | N    |                         |                     |     |                      |  |
| PF<br>PFT          | 201 | 12                     | 81  | 63.5  | 7              | 2   | 7    | 1/4                     | SA<br>SB            | 201 | 0.14                 |  |
|                    | 202 | 15                     | 81  | 63.5  | 7              | 2   | 7    | 1/4                     |                     | 202 | 0.14                 |  |
|                    | 203 | 17                     | 81  | 63.5  | 7              | 2   | 7    | 1/4                     |                     | 203 | 0.14                 |  |
|                    | 204 | 20                     | 90  | 71    | 8              | 2   | 9    | 5/16                    |                     | 204 | 0.14                 |  |
|                    | 205 | 25                     | 95  | 76    | 9              | 2   | 9    | 5/16                    |                     | 205 | 0.17                 |  |
|                    | 206 | 30                     | 113 | 90    | 9              | 2.5 | 11   | 3/8                     |                     | 206 | 0.20                 |  |
|                    | 207 | 35                     | 122 | 100   | 10             | 2.5 | 11   | 3/8                     |                     | 207 | 0.30                 |  |
|                    | 208 | 40                     | 148 | 119   | 11.5           | 3.5 | 13.5 | 1/2                     |                     | 208 | 0.34                 |  |
|                    | 209 | 45                     | 150 | 120.5 | 11.5           | 3.5 | 13.5 | 1/2                     |                     | 209 | 0.64                 |  |
|                    | 210 | 50                     | 157 | 127   | 12.5           | 4   | 13.5 | 1/2                     |                     | 210 |                      |  |
|                    | 211 | 55                     | 168 | 138   | 13             | 4   | 13.5 | 1/2                     |                     | 211 |                      |  |
|                    | 212 | 60                     | 177 | 148   | 14             | 4   | 13.5 | 1/2                     |                     | 212 |                      |  |

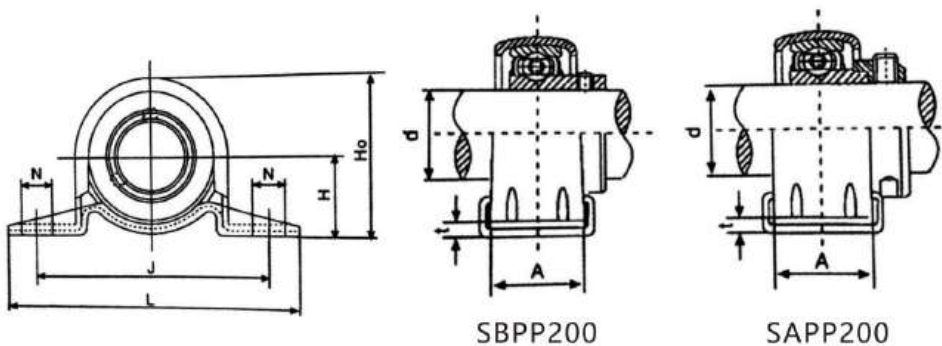


SBPFL200

SAPFT200

PFL200 Series

| 座代号<br>Housing<br>No. | 外形尺寸<br>Dimensions(mm) |     |      |                |     |      |     | 螺栓<br>bolt site<br>(mm) | 轴承代号<br>Bearing No. |     | 重量<br>weight<br>(kg) |
|-----------------------|------------------------|-----|------|----------------|-----|------|-----|-------------------------|---------------------|-----|----------------------|
|                       | d                      | H   | J    | A <sub>2</sub> | L   | N    | t   |                         |                     |     |                      |
| PFL201                | 12                     | 81  | 63.5 | 7              | 59  | 7    | 2   | 1/4                     | SB<br>SA            | 201 | 0.09                 |
| PFL202                | 15                     | 81  | 63.5 | 7              | 59  | 7    | 2   | 1/4                     |                     | 202 | 0.09                 |
| PFL203                | 17                     | 81  | 63.5 | 7              | 59  | 7    | 2   | 1/4                     |                     | 203 | 0.09                 |
| PFL204                | 20                     | 90  | 71.5 | 9              | 67  | 9    | 2   | 5/16                    |                     | 204 | 0.10                 |
| PFL205                | 25                     | 95  | 76.0 | 9              | 71  | 9    | 2   | 5/16                    |                     | 205 | 0.12                 |
| PFL206                | 30                     | 113 | 90.5 | 11             | 84  | 11   | 2.5 | 3/8                     |                     | 206 | 0.18                 |
| PFL207                | 35                     | 122 | 100  | 11             | 94  | 11   | 2.5 | 3/8                     |                     | 207 | 0.2                  |
| PFL208                | 40                     | 148 | 119  | 13.5           | 106 | 13.5 | 3.5 | 1/2                     |                     | 208 | 0.25                 |



PP200 Series

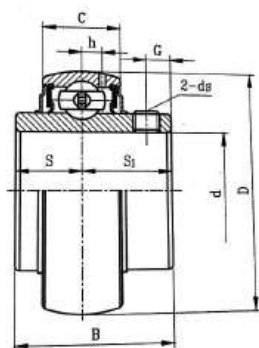
| 座代号<br>Housing<br>No. | 外形尺寸<br>Dimensions(mm) |      |     |     |                |      |     |      | 螺栓<br>bolt site<br>(mm) | 轴承代号<br>Bearing No. |     | 重量<br>weight<br>(kg) |
|-----------------------|------------------------|------|-----|-----|----------------|------|-----|------|-------------------------|---------------------|-----|----------------------|
|                       | d                      | H    | J   | L   | A <sub>2</sub> | N    | t   | Ho   |                         |                     |     |                      |
| PP201                 | 12                     | 22.2 | 68  | 86  | 14             | 9.5  | 2.4 | 43.8 | M8                      | SB<br>SA            | 201 | 0.06                 |
| PP202                 | 15                     | 22.2 | 68  | 86  | 14             | 9.5  | 2.4 | 43.8 | M8                      |                     | 202 | 0.06                 |
| PP203                 | 17                     | 22.2 | 68  | 86  | 14             | 9.5  | 2.4 | 43.8 | M8                      |                     | 203 | 0.06                 |
| PP204                 | 20                     | 25.4 | 76  | 98  | 18.2           | 9.5  | 3   | 50.2 | M8                      |                     | 204 | 0.1                  |
| PP205                 | 25                     | 28.6 | 86  | 108 | 19.2           | 11.5 | 4.0 | 56.5 | M10                     |                     | 205 | 0.13                 |
| PP206                 | 30                     | 33.3 | 95  | 117 | 21.8           | 11.5 | 4.0 | 66.1 | M10                     |                     | 206 | 0.17                 |
| PP207                 | 35                     | 39.7 | 106 | 129 | 23             | 11.5 | 5   | 78.0 | M10                     |                     | 207 | 0.2                  |
| PP208                 | 40                     | 43.7 | 120 | 148 | 24.5           | 12   | 5   | 86.5 | M10                     |                     | 208 | 0.3                  |
| PP209                 | 45                     | 46.8 | 128 | 156 | 31.5           | 13   | 6   | 93.5 | M10                     |                     | 209 | 0.4                  |



带有丁睛橡胶圈的冲压座的图片

Self-Aligning Type: Bearing insert is encased in nonconductive, oil-resistant rubber liner which corrects misalignment up to 2° While reducing noise and vibration. Housings are pressed cold-rolled steel with rust-proof plated finish; base mount is two-piece and flange mount is one piece.



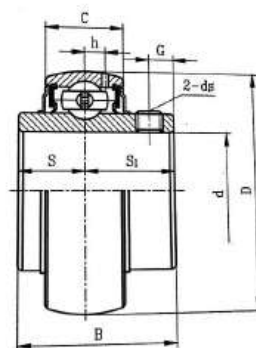


UC200



## UC200 Series

| 轴承代号<br>Bearing No. | 轴径shaft |      | 外形尺寸<br>Dimensions(mm) |      |    |      |      |     |          | 额定动负荷<br>Basic dynamic<br>Load ratings<br>(KN) |       | 额定静负荷<br>Basic static<br>Load ratings<br>(KN) |      | 重量<br>weight<br>(kg) |
|---------------------|---------|------|------------------------|------|----|------|------|-----|----------|--|-------|---|------|----------------------|
|                     | d       |      | D                      | B    | C  | S    | S1   | G   | ds       |  |       |   |      |                      |
|                     | (in.)   | (mm) |                        |      |    |      |      |     | (mm)     | in.UNF   |       |   |      |                      |
| UCW201              |         | 12   | 40                     | 27.4 | 14 | 11.5 | 15.9 | 4.5 | M5x0.8   |  | 7.36  | 4.79  | 0.12 |                      |
| UCW201-8            | 1/2     |      |                        |      |    |      |      |     |          | 1/4-28   |       |   |      |                      |
| UCW202              |         | 15   |                        |      |    |      |      |     | M5x0.8   |  |       |   |      |                      |
| UCW202-9            | 9/16    |      | 40                     | 27.4 | 14 | 11.5 | 15.9 | 4.5 |          | 1/4-28   | 7.36  | 4.79  | 0.11 |                      |
| UCW202-10           | 5/8     |      |                        |      |    |      |      |     |          | 1/4-28   |       |   |      |                      |
| UCW203              |         | 17   |                        |      |    |      |      |     | M5x0.8   |  |       |   |      |                      |
| UCW203-11           | 11/16   |      | 40                     | 27.4 | 14 | 11.5 | 15.9 | 4.5 |          | 1/4-28   | 7.36  | 4.79  | 0.10 |                      |
| UC201               |         | 12   | 47                     | 31   | 16 | 12.7 | 18.3 | 5   | M6x1     |  | 9.88  | 6.65  | 0.21 |                      |
| UC201-8             | 1/2     |      |                        |      |    |      |      |     |          | 1/4-28   |       |   |      |                      |
| UC202               |         |      |                        |      |    |      |      |     |          |  |       |   |      |                      |
| UC202-9             | 9/16    | 15   | 47                     | 31   | 16 | 12.7 | 18.3 | 5   | M6x1     | 1/4-28   | 9.88  | 6.65  | 0.19 |                      |
| UC202-10            | 5/8     |      |                        |      |    |      |      |     |          | 1/4-28   |       |   |      |                      |
| UC203               |         | 17   |                        |      |    |      |      |     | M6x1     |  |       |   |      |                      |
| UC203-11            | 11/16   |      | 47                     | 31   | 16 | 12.7 | 18.3 | 5   |          | 1/4-28   | 9.88  | 6.65  | 0.19 |                      |
| UC204               |         | 20   |                        |      |    |      |      |     |          |  |       |   | 0.17 |                      |
| UC204-12            | 3/4     |      | 47                     | 31   | 16 | 12.7 | 18.3 | 5   | M6x1     | 1/4-28   | 9.88  | 6.65  | 0.18 |                      |
| UC205               |         | 25   |                        |      |    |      |      |     |          |  | 7.36  | 4.79  | 0.19 |                      |
| UC205-14            | 7/8     |      | 52                     | 34.1 | 17 | 14.3 | 19.8 | 5   | M6x1     | 1/4-28   | 10.78 | 9.93  | 0.22 |                      |
| UC205-15            | 15/16   |      |                        |      |    |      |      |     |          |  |       |   | 0.20 |                      |
| UC205-16            | 1       |      |                        |      |    |      |      |     |          |  |       |   | 0.19 |                      |
| UC206               |         | 30   |                        |      |    |      |      |     |          |  |       |   | 0.31 |                      |
| UC206-17            | 1-11/16 |      |                        |      |    |      |      |     |          |  |       |   |      |                      |
| UC206-18            | 1-1/8   |      | 62                     | 38.1 | 19 | 15.9 | 22.2 | 5   | M6x1     | 1/4-28   | 14.97 | 11.31   | 0.34 |                      |
| UC206-19            | 1-3/16  |      |                        |      |    |      |      |     |          |  |       |   | 0.32 |                      |
| UC206-20            | 1-1/4   |      |                        |      |    |      |      |     |          |  |       |   | 0.30 |                      |
| UC207               |         | 35   |                        |      |    |      |      |     |          |  |       |   | 0.46 |                      |
| UC207-20            | 1-1/4   |      | 72                     | 42.9 | 20 | 17.5 | 25.4 | 7   | M8x1     | 5/16-24  | 19.75 | 15.30   | 0.52 |                      |
| UC207-21            | 15/16   |      |                        |      |    |      |      |     |          |  |       |   |      |                      |
| UC207-22            | 1-3/8   |      |                        |      |    |      |      |     |          |  |       |   | 0.48 |                      |
| UC207-23            | 1-7/16  |      |                        |      |    |      |      |     |          |  |       |   | 0.46 |                      |
| UC208               |         | 40   |                        |      |    |      |      |     |          |  |       |   | 0.63 |                      |
| UC208-24            | 1-1/2   |      | 80                     | 49.2 | 21 | 19.0 | 30.2 | 8   | M8x1     | 5/16-24  | 25.09 | 19.84   | 0.68 |                      |
| UC208-25            | 1-9/16  |      |                        |      |    |      |      |     |          |  |       |   | 0.64 |                      |
| UC209               |         | 45   |                        |      |    |      |      |     |          |  |       |   | 0.68 |                      |
| UC209-26            | 1-5/8   |      | 85                     | 49.2 | 22 | 19.0 | 30.2 | 8   | M8x1     | 5/16-24  | 25.14 | 20.46   | 0.78 |                      |
| UC209-27            | 1-11/16 |      |                        |      |    |      |      |     |          |  |       |   | 0.74 |                      |
| UC209-28            | 1-3/4   |      |                        |      |    |      |      |     |          |  |       |   | 0.70 |                      |
| UC210               |         | 50   |                        |      |    |      |      |     |          |  |       |   | 0.78 |                      |
| UC210-30            | 1-7/8   |      | 90                     | 51.6 | 24 | 19.0 | 32.6 | 10  | M8x1     | 3/8-24   | 26.98 | 23.18   | 0.85 |                      |
| UC210-31            | 1-15/16 |      |                        |      |    |      |      |     |          |  |       |   | 0.80 |                      |
| UC211               |         | 55   |                        |      |    |      |      |     |          |  |       |   | 1.07 |                      |
| UC211-32            | 2       |      | 100                    | 55.6 | 25 | 22.2 | 33.4 | 10  | M8x1     | 3/8-24   | 33.37 |   | 1.22 |                      |
| UC211-34            | 2-1/8   |      |                        |      |    |      |      |     |          |  |       | 29.22   | 1.10 |                      |
| UC211-35            | 2-3/16  |      |                        |      |    |      |      |     |          |  |       |   | 1.05 |                      |
| UC212               |         | 60   |                        |      |    |      |      |     |          |  |       |   | 1.51 |                      |
| UC212-36            | 2-1/4   |      | 110                    | 65.1 | 27 | 25.4 | 39.7 | 10  | M10x1.25 | 3/8-24   | 36.74 | 32.93   | 1.65 |                      |
| UC212-38            | 2-3/8   |      |                        |      |    |      |      |     |          |  |       |   |      |                      |
| UC212-39            | 2-7/16  |      |                        |      |    |      |      |     |          |  |       |   |      |                      |
| UC213               |         | 65   |                        |      |    |      |      |     |          |  |       |   | 1.42 |                      |
| UC213-39            | 2-7/16  |      | 120                    | 65.1 | 28 | 25.4 | 39.7 | 10  | M10x1.25 | 3/8-24   | 44.01 | 40  | 1.86 |                      |
| UC213-40            | 2-1/2   |      |                        |      |    |      |      |     |          |  |       |   | 1.96 |                      |
| UC214               |         | 70   |                        |      |    |      |      |     |          |  |       |   | 1.94 |                      |
| UC214-43            | 2-11/16 |      | 125                    | 74.6 | 33 | 30.2 | 44.4 | 12  | M12x1.5  | 7/16-20  | 46.79 | 45.03   | 2.05 |                      |
| UC214-44            | 2-3/4   |      |                        |      |    |      |      |     | M12x1.25 |  |       |   | 2.04 |                      |
| UC215               |         | 75   |                        |      |    |      |      |     |          |  |       |   | 2.06 |                      |
| UC215-47            | 2-15/16 |      | 130                    | 77.8 | 34 | 33.3 | 44.5 | 12  | M12x1.5  | 7/16-20  | 50.85 | 49.30   | 2.21 |                      |
| UC215-48            | 3       |      |                        |      |    |      |      |     |          |  |       |   | 2.30 |                      |
| UC216               |         | 80   | 140                    | 82.6 | 35 | 33.3 | 49.3 | 12  | M12x1.25 | 7/16-20  | 55.04 | 53.31   | 2.13 |                      |
| UC217               |         | 85   |                        |      |    |      |      |     |          |  |       |   | 2.79 |                      |
| UC217-52            | 3-1/4   |      | 150                    | 85.7 | 36 | 34.1 | 51.6 | 12  | M12x1.5  | 7/16-20  | 63.98 | 63.89   | 3.38 |                      |
| UC218               |         | 90   |                        |      |    |      |      |     |          |  |       |   | 3.59 |                      |
| UC218-56            | 3-1/2   |      | 160                    | 96   | 37 | 39.7 | 56.3 | 12  | M12x1.5  | 1/2-20   | 73.83 | 70.76   | 4.46 |                      |
|                     |         |      |                        |      |    |      |      |     |          |  |       |   | 4.56 |                      |

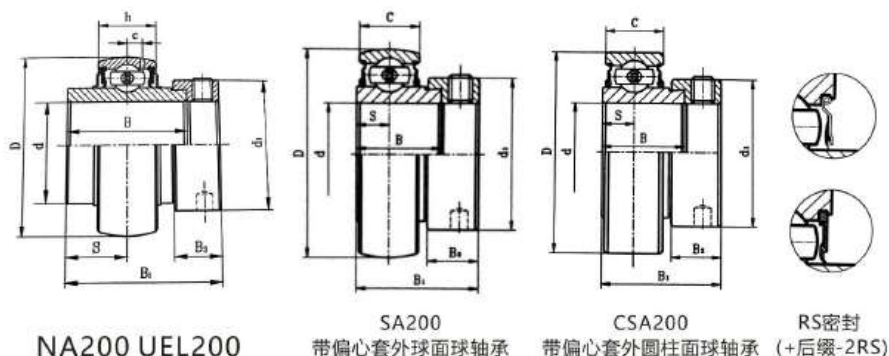


UC300

## UC300 Series

| 轴承代号<br>Bearing No.                 | 轴径shaft                             |                    | 外形尺寸<br>Dimensions(mm) |     |    |    |    |    | Basic Load Rating Kg |              | 重量<br>weight<br>(kg) |              |     |     |    |    |    |    |         |       |       |       |     |     |    |    |    |    |         |       |       |       |
|-------------------------------------|-------------------------------------|--------------------|------------------------|-----|----|----|----|----|----------------------|--------------|----------------------|--------------|-----|-----|----|----|----|----|---------|-------|-------|-------|-----|-----|----|----|----|----|---------|-------|-------|-------|
|                                     | d                                   |                    | D                      | B   | C  | S  | S1 | G  | ds                   | Dynamic<br>C |                      | Statin<br>Co |     |     |    |    |    |    |         |       |       |       |     |     |    |    |    |    |         |       |       |       |
|                                     | (in.)                               | (mm)               |                        |     |    |    |    |    |                      |              |                      |              |     |     |    |    |    |    |         |       |       |       |     |     |    |    |    |    |         |       |       |       |
| UC305-14<br>305-15<br>305<br>305-16 | 7/8<br>15/16<br><br>1               | <br><br>25<br><br> | 62                     | 38  | 20 | 15 | 23 | 6  | M6X1                 | 2170         | 1090                 | 0.44         |     |     |    |    |    |    |         |       |       |       |     |     |    |    |    |    |         |       |       |       |
| UC306-18<br>306<br>306-19           | 1-1/8<br><br>1-3/16                 | <br>30<br><br>     |                        |     |    |    |    |    |                      |              |                      |              | 72  | 43  | 23 | 17 | 26 | 6  | M6X1    | 2730  | 1420  | 0.56  |     |     |    |    |    |    |         |       |       |       |
| UC307-20<br>307-21<br>307-22<br>307 | 1-1/4<br>1-5/16<br>1-3/8<br><br>35  | <br><br><br><br>   |                        |     |    |    |    |    |                      |              |                      |              |     |     |    |    |    |    |         |       |       |       | 80  | 48  | 25 | 19 | 29 | 8  | M8X1    | 3400  | 1820  | 0.71  |
| UC308-24<br>308-25<br>308           | 1-1/2<br>1-9/16<br><br>40           | <br><br><br>       |                        |     |    |    |    |    |                      |              |                      |              |     |     |    |    |    |    |         |       |       |       |     |     |    |    |    |    |         |       |       |       |
| UC309-26<br>309-27<br>309-28<br>309 | 1-5/8<br>1-11/16<br>1-3/4<br><br>45 | <br><br><br><br>   | 100                    | 57  | 29 | 22 | 35 | 10 | M10X1.25             | 5250         | 3050                 | 1.28         |     |     |    |    |    |    |         |       |       |       |     |     |    |    |    |    |         |       |       |       |
| UC310-30<br>310-31<br>310           | 1-7/8<br>1-15/16<br><br>50          | <br><br><br>       |                        |     |    |    |    |    |                      |              |                      |              | 110 | 61  | 32 | 22 | 39 | 12 | M12X1.5 | 6300  | 3650  | 1.65  |     |     |    |    |    |    |         |       |       |       |
| UC311-32<br>311-34<br>311<br>311-35 | 2<br>2-1/8<br><br>55<br>2-3/16      | <br><br><br><br>   |                        |     |    |    |    |    |                      |              |                      |              |     |     |    |    |    |    |         |       |       |       | 120 | 66  | 34 | 25 | 41 | 12 | M12X1.5 | 7300  | 4250  | 2.07  |
| UC312-36<br>312<br>312-38<br>312-39 | 2-1/4<br><br>60<br>2-3/8<br>2-7/16  | <br><br><br><br>   |                        |     |    |    |    |    |                      |              |                      |              |     |     |    |    |    |    |         |       |       |       |     |     |    |    |    |    |         |       |       |       |
| UC313-40<br>313                     | 2-1/2<br><br>65                     | <br><br>           | 140                    | 75  | 39 | 30 | 45 | 12 | M12X1.5              | 9450         | 5650                 | 3.15         |     |     |    |    |    |    |         |       |       |       |     |     |    |    |    |    |         |       |       |       |
| UC314-44<br>314                     | 2-3/4<br><br>70                     | <br><br>           |                        |     |    |    |    |    |                      |              |                      |              | 150 | 78  | 41 | 33 | 45 | 12 | M12X1.5 | 10600 | 6450  | 3.83  |     |     |    |    |    |    |         |       |       |       |
| UC315<br>315-48                     | <br>3<br><br>75                     | <br><br><br>       |                        |     |    |    |    |    |                      |              |                      |              |     |     |    |    |    |    |         |       |       |       | 160 | 82  | 43 | 32 | 50 | 14 | M14X1.5 | 11600 | 7200  | 4.59  |
| UC316                               | 80                                  |                    |                        |     |    |    |    |    |                      |              |                      |              |     |     |    |    |    |    |         |       |       |       |     |     |    |    |    |    |         |       |       |       |
| UC317-52<br>317                     | 3-1/4<br><br>85                     | <br><br>           | 180                    | 96  | 47 | 40 | 56 | 16 | M16X1.5              | 13500        | 9100                 | 6.58         |     |     |    |    |    |    |         |       |       |       |     |     |    |    |    |    |         |       |       |       |
| UC318-56<br>318                     | 3-1/2<br><br>90                     | <br><br>           |                        |     |    |    |    |    |                      |              |                      |              | 190 | 96  | 49 | 40 | 56 | 16 | M16X1.5 | 14600 | 10100 | 7.34  |     |     |    |    |    |    |         |       |       |       |
| UC319<br>319-60                     | <br>3-3/4<br><br>95                 | <br><br><br>       |                        |     |    |    |    |    |                      |              |                      |              |     |     |    |    |    |    |         |       |       |       | 200 | 103 | 51 | 41 | 62 | 16 | M16X1.5 | 15600 | 11100 | 8.70  |
| UC320<br>320-64                     | <br>4<br><br>100                    | <br><br><br>       |                        |     |    |    |    |    |                      |              |                      |              |     |     |    |    |    |    |         |       |       |       |     |     |    |    |    |    |         |       |       |       |
| UC321                               | 105                                 |                    | 225                    | 112 | 56 | 44 | 68 | 18 | M18X1.5              | 18700        | 14500                | 12.20        |     |     |    |    |    |    |         |       |       |       |     |     |    |    |    |    |         |       |       |       |
| UC322                               | 110                                 |                    |                        |     |    |    |    |    |                      |              |                      |              | 240 | 117 | 60 | 46 | 71 | 18 | M18X1.5 | 20900 | 17000 | 14.30 |     |     |    |    |    |    |         |       |       |       |
| UC324                               | 120                                 |                    |                        |     |    |    |    |    |                      |              |                      |              |     |     |    |    |    |    |         |       |       |       | 260 | 126 | 64 | 51 | 75 | 18 | M18X1.5 | 21100 | 17000 | 18.50 |
| UC326                               | 130                                 |                    |                        |     |    |    |    |    |                      |              |                      |              |     |     |    |    |    |    |         |       |       |       |     |     |    |    |    |    |         |       |       |       |
| UC328                               | 140                                 |                    | 300                    | 145 | 73 | 59 | 86 | 20 | M20X1.5              | 26000        | 22400                | 28.50        |     |     |    |    |    |    |         |       |       |       |     |     |    |    |    |    |         |       |       |       |



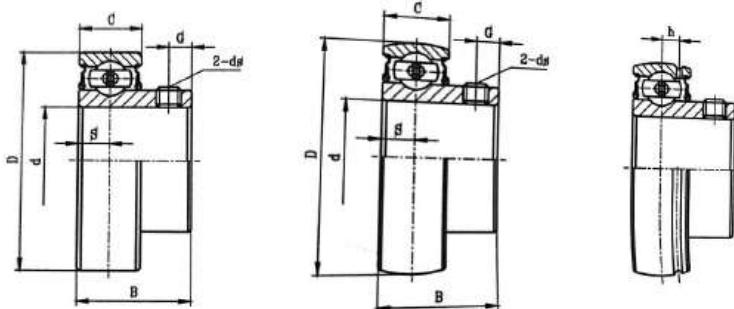
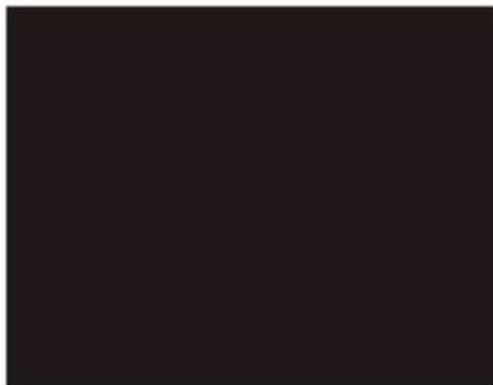


### NA200 Series

| 轴承代号<br>Bearing No. | 轴径shaft | 外形尺寸<br>Dimensions(mm) |    |      |      |       |      |      |      |            | 额定动负荷<br>Basic dynamic<br>Load ratings<br>(KN) | 额定静负荷<br>Basic static<br>Load ratings<br>(KN) | 重量<br>weight<br>(kg) |
|---------------------|---------|------------------------|----|------|------|-------|------|------|------|------------|--|---|----------------------|
|                     | d       | D                      | Be | L    | Bi   | n     | d1   | H    | G    | ds         |  |   |                      |
|                     | (mm)    |                        |    |      |      |       |      |      |      | (mm) (in.) |  |   |                      |
| NA204               | 20      | 47                     | 16 | 43.6 | 34.2 | 17.1  | 33.3 | 13.5 | 5    | M6X1       | 9.88   | 6.65  | 0.21                 |
| NA205               | 25      | 52                     | 17 | 44.4 | 34.8 | 17.5  | 38.1 | 13.5 | 5    | M6X1       | 10.78  | 9.93  | 0.25                 |
| NA206               | 30      | 62                     | 19 | 48.4 | 36.5 | 18.3  | 44.5 | 15.9 | 5    | M6X1       | 14.97  | 11.31   | 0.39                 |
| NA207               | 35      | 72                     | 20 | 51.2 | 37.6 | 18.8  | 55.0 | 17.5 | 6.5  | M8X1       | 19.75  | 15.30   | 0.60                 |
| NA208               | 40      | 80                     | 21 | 56.4 | 42.8 | 21.4  | 60.3 | 18.3 | 6.5  | M8X1       | 25.09  | 19.84   | 0.77                 |
| NA209               | 45      | 85                     | 22 | 56.4 | 42.8 | 21.4  | 63.5 | 18.3 | 6.50 | M8X1       | 25.14  | 20.46   | 0.84                 |
| NA210               | 50      | 90                     | 24 | 62.7 | 49.2 | 24.6  | 69.9 | 18.3 | 6.50 | M8X1       | 26.98  | 23.18   | 1.02                 |
| NA211               | 55      | 100                    | 25 | 71.4 | 55.5 | 27.80 | 76.2 | 20.7 | 8.00 | M10X1.25   | 33.37  | 29.22   | 1.37                 |
| NA212               | 60      | 110                    | 27 | 77.8 | 61.9 | 31.00 | 84.1 | 22.3 | 8.00 | M10X1.25   | 36.74  | 32.93   | 1.85                 |

### SA200 Series

| 轴承代号<br>Bearing No. | 轴径shaft |      | 外形尺寸<br>Dimensions(mm)/(in) |              |                |                |               |               |                | 基本额定载荷<br>Basic load rating(N) |           | 重量<br>weight<br>(kg) |            |
|---------------------|---------|------|-----------------------------|--------------|----------------|----------------|---------------|---------------|----------------|--------------------------------|-----------|----------------------|------------|
|                     | d       |      | D                           | C            | B              | B1             | S             | h             | B3             | d1                             | 动载荷<br>Cr |                      | 静载荷<br>Cor |
|                     | (in.)   | (mm) |                             |              |                |                |               |               |                |                                |           |                      |            |
| SA201               |         | 12   | 40<br>1.5748                | 12<br>0.4724 | 19.1<br>0.7520 | 28.6<br>1.1260 | 6.5<br>0.2559 | 3.6<br>0.1417 | 13.5<br>0.5315 | 27.2<br>1.0709                 | 9550      | 4780                 | 0.13       |
| 201-8               | 1/2     |      |                             |              |                |                |               |               |                |                                |           |                      | 0.13       |
| 202                 |         | 15   |                             |              |                |                |               |               |                |                                |           |                      | 0.12       |
| 202-10              | 5/8     |      |                             |              |                |                |               |               |                |                                |           |                      | 0.11       |
| 203                 |         | 17   |                             |              |                |                |               |               |                |                                |           |                      | 0.10       |
| 203-11              | 11/16   |      |                             |              |                |                |               |               |                |                                |           |                      | 0.10       |
| SA204-12            | 3/4     |      | 47<br>1.8504                | 14<br>0.5512 | 21.4<br>0.8425 | 30.9<br>1.2165 | 7.5<br>0.2953 | 4<br>0.1575   | 13.5<br>0.5315 | 32.4<br>1.2756                 | 12800     | 6650                 | 0.17       |
| 204                 |         | 20   |                             |              |                |                |               |               |                |                                |           |                      | 0.16       |
| SA205-14            | 7/8     |      | 52<br>2.0472                | 15<br>0.5906 | 21.4<br>0.8425 | 30.9<br>1.2165 | 7.5<br>0.2953 | 4.3<br>0.1693 | 13.5<br>0.5315 | 37.4<br>1.4724                 | 14000     | 7880                 | 0.21       |
| 205-15              | 15/16   |      |                             |              |                |                |               |               |                |                                |           |                      | 0.20       |
| 205                 |         | 25   |                             |              |                |                |               |               |                |                                |           |                      | 0.19       |
| 205-16              | 1       |      |                             |              |                |                |               |               |                |                                |           |                      | 0.19       |
| SA206-18            | 1-1/8   |      | 62<br>2.4409                | 16<br>0.6299 | 23.8<br>0.9370 | 35.7<br>1.4055 | 9<br>0.3543   | 5<br>0.1969   | 15.9<br>0.6290 | 44.1<br>1.7362                 | 19500     | 11200                | 0.32       |
| 206                 |         | 30   |                             |              |                |                |               |               |                |                                |           |                      | 0.30       |
| 206-19              | 1-3/16  |      |                             |              |                |                |               |               |                |                                |           |                      | 0.30       |
| 206-20              | 1-1/4   |      |                             |              |                |                |               |               |                |                                |           |                      | 0.28       |
| SA207-20            | 1-1/4   |      | 72<br>2.8346                | 17<br>0.6693 | 25.4<br>1.0000 | 38.9<br>1.5315 | 9.5<br>0.3740 | 5.7<br>0.2244 | 17.5<br>0.6890 | 51.1<br>2.0118                 | 25700     | 15200                | 0.51       |
| 207-21              | 1-5/16  |      |                             |              |                |                |               |               |                |                                |           |                      | 0.48       |
| 207-22              | 1-3/8   |      |                             |              |                |                |               |               |                |                                |           |                      | 0.45       |
| 207                 |         | 35   |                             |              |                |                |               |               |                |                                |           |                      | 0.45       |
| 207-23              | 1-7/16  |      |                             |              |                |                |               |               |                |                                |           |                      | 0.43       |
| SA208-24            | 1-1/2   |      | 80<br>3.1496                | 18<br>0.7087 | 30.2<br>1.1890 | 43.7<br>1.7205 | 11<br>0.4331  | 6.2<br>0.2441 | 18.3<br>0.7205 | 58<br>2.2835                   | 29600     | 18200                | 0.65       |
| 208-25              | 1-9/16  |      |                             |              |                |                |               |               |                |                                |           |                      | 0.62       |
| 208                 |         | 40   |                             |              |                |                |               |               |                |                                |           |                      | 0.61       |
| SA209-26            | 1-5/8   |      | 85<br>3.3465                | 19<br>0.7480 | 30.2<br>1.890  | 43.7<br>1.7205 | 11<br>0.4331  | 6.5<br>0.2559 | 18.3<br>0.7205 | 63.5<br>2.5000                 | 31850     | 20800                | 0.75       |
| 209-27              | 1-11/16 |      |                             |              |                |                |               |               |                |                                |           |                      | 0.71       |
| 209-28              | 1-3/4   |      |                             |              |                |                |               |               |                |                                |           |                      | 0.67       |
| 209                 |         | 45   |                             |              |                |                |               |               |                |                                |           |                      | 0.66       |
| SA210-30            | 1-7/8   |      | 90<br>3.5433                | 20<br>0.7874 | 30.2<br>1.890  | 43.7<br>1.7205 | 11<br>0.4331  | 6.5<br>0.2559 | 18.3<br>0.7205 | 67.2<br>2.6457                 | 35100     | 23200                | 0.76       |
| 210-31              | 1-15/16 |      |                             |              |                |                |               |               |                |                                |           |                      | 0.72       |
| 210                 |         | 50   |                             |              |                |                |               |               |                |                                |           |                      | 0.70       |
| SA211-32            | 2       |      | 100<br>3.9370               | 24<br>0.9449 | 32.5<br>1.2756 | 48.4<br>1.9055 | 12<br>0.4724  | 7.2<br>0.2835 | 20.7<br>0.8150 | 74.5<br>2.9331                 | 43550     | 29200                | 1.17       |
| 211-34              | 2-1/8   |      |                             |              |                |                |               |               |                |                                |           |                      | 1.07       |
| 211                 |         | 55   |                             |              |                |                |               |               |                |                                |           |                      | 1.04       |
| 211-35              | 2-3/16  |      |                             |              |                |                |               |               |                |                                |           |                      | 1.02       |
| SA212-36            | 2-1/4   |      | 110<br>4.3307               | 24<br>0.9449 | 33.4<br>1.3150 | 49.3<br>1.9409 | 12<br>0.4724  | 8<br>0.3150   | 22.3<br>0.8780 | 8<br>0.3150                    | 47800     | 32800                | 1.36       |
| 212                 |         | 60   |                             |              |                |                |               |               |                |                                |           |                      | 1.26       |
| 212-38              | 2-3/8   |      |                             |              |                |                |               |               |                |                                |           |                      | 1.25       |
| 212-39              | 2-7/16  |      |                             |              |                |                |               |               |                |                                |           |                      | 1.19       |



### SB200、CSB200 Series

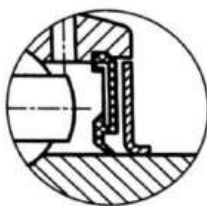
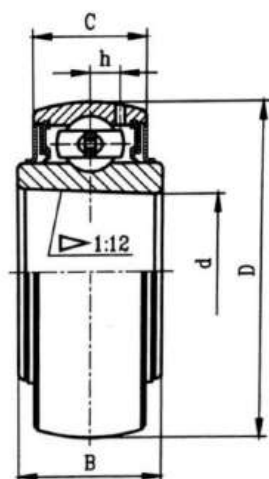
| 轴承代号<br>Bearing No. | 轴径shaft |      | 外形尺寸<br>Dimensions(mm) |    |    |     |      |     |        | 额定动负荷<br>Basic dynamic<br>Load ratings<br>(KN) | 额定静负荷<br>Basic static<br>Load ratings<br>(KN) | 重量<br>weight<br>(kg) |        |
|---------------------|---------|------|------------------------|----|----|-----|------|-----|--------|--|---|----------------------|--------|
|                     | d       |      | D                      | Bi | Be | n   | m    | G   | ds     |  |   |                      |        |
|                     | (in.)   | (mm) |                        |    |    |     |      |     | (mm)   |  |   |                      | in.UNF |
| SB<br>CSB203        |         | 17   | 40                     | 22 | 12 | 6.0 | 16.0 | 4.5 | M5x0.8 |  | 7.36  | 4.79                 | 0.07   |
| SB<br>CSB204        |         | 20   | 47                     | 25 | 14 | 7.0 | 18.0 | 5.0 | M6x1   | 1/4-28   | 9.88  | 6.65                 | 0.12   |
| 204-12              | 3/4     |      |                        |    |    |     |      |     |        |  |   |                      | 0.13   |
| SB<br>CSB205        |         | 25   | 52                     | 27 | 15 | 7.5 | 19.5 | 5.0 | M6x1   | 1/4-28   | 10.78   | 9.93                 | 0.16   |
| 205-14              | 7/8     |      |                        |    |    |     |      |     |        |  |   |                      |        |
| 205-15              | 15/16   |      |                        |    |    |     |      |     |        |  |   |                      |        |
| 205-16              | 1       |      |                        |    |    |     |      |     |        |  |   |                      |        |
| SB<br>CSB206        |         | 30   | 62                     | 30 | 16 | 8.0 | 22.0 | 6.0 | M6x1   | 1/4-28   | 14.97   | 11.31                | 0.25   |
| 206-18              | 1-1/16  |      |                        |    |    |     |      |     |        |  |   |                      |        |
| 206-19              | 1-3/16  |      |                        |    |    |     |      |     |        |  |   |                      |        |
| 206-20              | 1-1/4   |      |                        |    |    |     |      |     |        |  |   |                      |        |
| SB<br>CSB207        |         | 35   | 72                     | 32 | 17 | 8.5 | 23.5 | 7.0 | M6x1   | 1/4-28   | 19.75   | 15.30                | 0.38   |
| 207-20              | 1-1/4   |      |                        |    |    |     |      |     |        |  |   |                      |        |
| 207-22              | 1-3/8   |      |                        |    |    |     |      |     |        |  |   |                      |        |
| 207-23              | 1-7/16  |      |                        |    |    |     |      |     |        |  |   |                      |        |
| SB<br>CSB208        |         | 40   | 80                     | 34 | 18 | 9.0 | 25.0 | 8.0 | M8x1   | 5/16-24  | 25.09   | 19.84                | 0.58   |
| 208-24              | 1-1/2   |      |                        |    |    |     |      |     |        |  |   |                      |        |
| 208-25              | 1-9/16  |      |                        |    |    |     |      |     |        |  |   |                      |        |



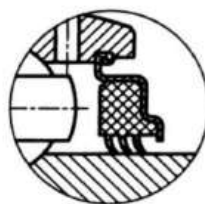
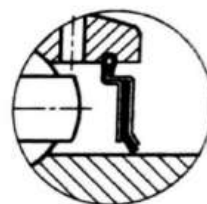
### UD200 Series

| 轴承代号<br>Bearing No. | 外形尺寸<br>Dimensions(mm) |    |    |      |     | 额定动负荷<br>Basic dynamic<br>Load ratings<br>(kN) | 额定静负荷<br>Basic static<br>Load ratings<br>(kN) | 重量<br>weight<br>(kg) |
|---------------------|------------------------|----|----|------|-----|--|---|----------------------|
|                     | d                      | D  | B  | S    | r   |  |   |                      |
| UD203               | 17                     | 40 | 12 | 6.0  | 1.0 | 7.36   | 4.79  | 0.06                 |
| UD204               | 20                     | 47 | 14 | 7.0  | 1.5 | 9.88   | 6.65  | 0.10                 |
| UD205               | 25                     | 52 | 15 | 7.5  | 1.5 | 10.78  | 9.93  | 0.12                 |
| UD206               | 30                     | 62 | 16 | 8.0  | 1.5 | 14.97  | 11.31   | 0.19                 |
| UD207               | 35                     | 72 | 17 | 8.5  | 2.0 | 19.75  | 15.30   | 0.27                 |
| UD208               | 40                     | 80 | 18 | 9.0  | 2.0 | 25.09  | 19.84   | 0.37                 |
| UD209               | 45                     | 85 | 19 | 9.5  | 2.0 | 25.14  | 20.46   | 0.42                 |
| UD210               | 50                     | 90 | 20 | 10.0 | 2.0 | 26.98  | 23.18   | 0.47                 |



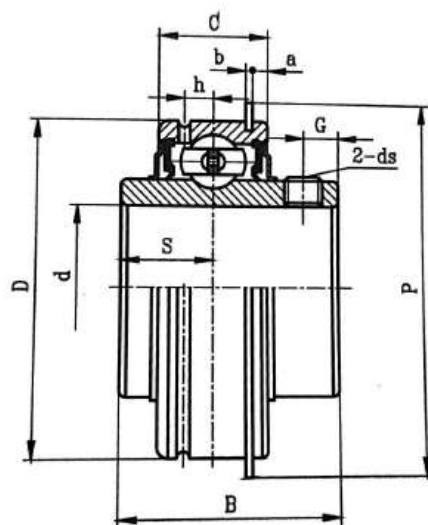
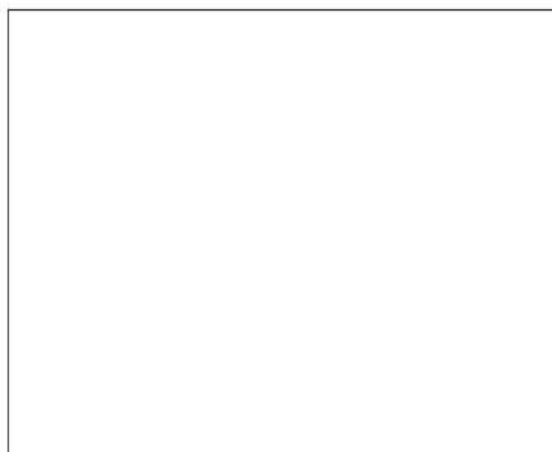


双层密封


 三唇密封  
(+后缀R3)

 F密封  
(+后缀F)

**UK2 Series**

| 轴承代号<br>Bearing No. | 外形尺寸<br>Dimensions(mm)/(in) |               |              |              |                | 基本额定载荷<br>Basic load rating(N) |                        | 重量<br>weight<br>(kg) |
|---------------------|-----------------------------|---------------|--------------|--------------|----------------|--------------------------------|------------------------|----------------------|
|                     | d                           | D             | B            | C            | h              | 动载荷<br>C <sub>r</sub>          | 静载荷<br>C <sub>0r</sub> |                      |
| UK205               | 25<br>0.9843                | 52<br>2.0472  | 21<br>0.8268 | 17<br>0.6693 | 4.3<br>0.1693  | 14000                          | 7880                   | 0.15                 |
| UK206               | 30<br>1.1811                | 62<br>2.4409  | 25<br>0.9843 | 19<br>0.7480 | 5<br>0.1969    | 19500                          | 11200                  | 0.25                 |
| UK207               | 35<br>1.3780                | 72<br>2.8346  | 27<br>1.0630 | 20<br>0.7874 | 5.8<br>0.2283  | 25700                          | 15200                  | 0.36                 |
| UK208               | 40<br>1.5748                | 80<br>3.1496  | 29<br>1.1417 | 21<br>0.8268 | 6.3<br>0.2480  | 29600                          | 18200                  | 0.47                 |
| UK209               | 45<br>1.7717                | 85<br>3.3465  | 30<br>1.1811 | 22<br>0.8661 | 6.8<br>0.2677  | 31850                          | 20800                  | 0.51                 |
| UK210               | 50<br>1.9685                | 90<br>3.5433  | 31<br>1.2205 | 24<br>0.9449 | 6.5<br>0.2559  | 35100                          | 23200                  | 0.57                 |
| UK211               | 55<br>2.1654                | 100<br>3.9370 | 33<br>1.2992 | 25<br>0.9843 | 7.2<br>0.2835  | 43550                          | 29200                  | 0.78                 |
| UK212               | 60<br>2.3622                | 110<br>4.3307 | 36<br>1.4173 | 27<br>1.0630 | 8.2<br>0.3228  | 47800                          | 32800                  | 1.03                 |
| UK213               | 65<br>2.5591                | 120<br>4.7244 | 36<br>1.4173 | 28<br>1.1024 | 8<br>0.3150    | 57200                          | 40000                  | 1.29                 |
| UK215               | 75<br>2.9528                | 130<br>5.1181 | 41<br>1.6142 | 34<br>1.3385 | 9<br>0.3543    | 66000                          | 49500                  | 1.52                 |
| UK216               | 80<br>3.1496                | 140<br>5.5118 | 44<br>1.7323 | 35<br>1.3780 | 10.3<br>0.4055 | 71500                          | 54200                  | 1.90                 |
| UK217               | 85<br>3.3465                | 150<br>5.9055 | 44<br>1.7323 | 36<br>1.4173 | 11<br>0.4331   | 83200                          | 63800                  | 2.33                 |
| UK218               | 90<br>3.5433                | 160<br>6.2992 | 48<br>1.8898 | 37<br>1.4567 | 12<br>0.4724   | 95900                          | 71500                  | 2.77                 |



## SER200 Series

| 轴承代号<br>Bearing No. | 外形尺寸<br>Dimensions(mm) |        |         |        |       |        |       |          |       |       |    |       |             |       |       | Basic Load rating Kg |                          | 重量<br>weight<br>(kg) |
|---------------------|------------------------|--------|---------|--------|-------|--------|-------|----------|-------|-------|----|-------|-------------|-------|-------|----------------------|--------------------------|----------------------|
|                     | d                      | D      | Bi      | Be     | n     | m      | G     | ds       | o     | W     | an | T     | Y<br>(Max.) | X     | S     | Dynamic<br>C         | Static<br>C <sub>0</sub> |                      |
| SER201              | 12                     | 47     | 31      | 15.9   | 10.3  | 20.7   | 4.5   | M6x1     | 3.8   | 29    |    | 1.07  | 52.7        | 16.15 | 41    | 1310                 | 630                      | 0.27                 |
| SER201-8            | 1/2                    | 1.8504 |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER202              | 15                     | 47     | 31      | 15.9   | 10.3  | 20.7   | 4.5   | M6x1     | 3.8   | 29    |    | 1.07  | 52.7        | 16.15 | 41    | 1310                 | 630                      | 0.25                 |
| SER202-9            | 9/16                   |        |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER202-10           | 5/8                    | 1.8504 | 1-7/32  | 5/8    | 13/32 | 13/16  | 0.177 | 1/4-28   | 0.150 | 1.142 |    | 0.042 | 2.075       | 0.636 | 1.614 | 2890                 | 1390                     | 0.55                 |
| SER203              | 17                     | 47     | 31      | 15.9   | 10.3  | 20.7   | 4.5   | M6x1     | 3.8   | 29    |    | 1.07  | 52.7        | 16.15 | 41    | 1310                 | 630                      | 0.23                 |
| SER203-11           | 11/16                  | 1.8504 |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER204              | 20                     | 47     | 31      | 15.9   | 10.3  | 20.7   | 4.5   | M6x1     | 3.8   | 29    |    | 1.07  | 52.7        | 16.15 | 41    | 1310                 | 630                      | 0.22                 |
| SER204-12           | 3/4                    | 1.8504 |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER205              | 25                     | 52     | 34.9    | 19     | 13.1  | 21.8   | 5     | M6X1     | 5.2   | 34    |    | 1.07  | 57.9        | 15.75 | 46    | 1430                 | 710                      | 0.28                 |
| SER205-14           | 7/8                    |        |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER205-15           | 15/16                  | 2.0472 | 1-3/8   | 3/4    | 33/64 | 55/64  | 0.197 | 1/4-28   | 13/64 | 1.339 |    | 0.042 | 2.280       | 0.620 | 1.811 | 3150                 | 1560                     | 0.62                 |
| SER205-16           | 1                      |        |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER206              | 30                     | 62     | 38.1    | 22.2   | 15.9  | 22.2   | 5     | M6X1     | 5.6   | 40.5  |    | 1.65  | 67.7        | 15.93 | 54.3  | 2000                 | 1020                     | 0.38                 |
| SER206-17           | 1-11/16                |        |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER206-18           | 1-1/8                  | 2.4409 | 1-1/2   | 7/8    | 5/8   | 7/8    | 0.197 | 1/4-28   | 7/32  | 1.594 |    | 0.065 | 2.665       | 0.628 | 2.138 | 4410                 | 2250                     | 0.84                 |
| SER206-19           | 1-3/16                 |        |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER207              | 35                     | 72     | 42.9    | 23.8   | 17.5  | 25.4   | 6     | M8X1.0   | 5.6   | 48    |    | 1.65  | 78.6        | 18.32 | 63.5  | 2640                 | 1400                     | 0.56                 |
| SER207-20           | 1-1/4                  |        |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER207-21           | 1-5/16                 | 2.8346 | 1-11/16 | 15/16  | 11/16 | 1      | 0.236 | 5/16-24  | 7/32  | 1.890 |    | 0.065 | 3.095       | 0.721 | 2.500 | 5820                 | 3090                     | 1.23                 |
| SER207-22           | 1-3/8                  |        |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER207-23           | 1-7/16                 |        |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER208              | 40                     | 80     | 49.2    | 27.8   | 19    | 30.2   | 8     | M8X1.0   | 6.4   | 53    |    | 1.65  | 86.6        | 21.1  | 69.3  | 2990                 | 1600                     | 0.87                 |
| SER208-24           | 1-1/2                  |        |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER208-25           | 1-9/16                 | 3.1496 | 1-15/16 | 1-3/32 | 3/4   | 1-3/16 | 0.315 | 5/16-24  | 1/4   | 2.087 |    | 0.065 | 3.410       | 0.831 | 2.728 | 6590                 | 3530                     | 1.92                 |
| SER209              | 45                     | 85     |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER209-26           | 1-5/8                  |        | 1-15/16 | 1-3/32 | 3/4   | 1-3/16 | 0.315 | 5/16-24  | 1/4   | 2.256 |    | 0.065 | 3.606       | 0.831 | 2.925 | 7390                 | 3990                     | 2.09                 |
| SER209-27           | 1-11/16                | 3.3465 |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER209-28           | 1-3/4                  |        |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER210              | 50                     | 90     | 51.6    | 28.6   | 19    | 32.6   | 9     | M10X1.25 | 7.5   | 63    |    | 2.41  | 96.5        | 23.84 | 79.7  | 3600                 | 2010                     | 1.03                 |
| SER210-30           | 1-5/8                  |        |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER210-31           | 1-15/16                | 3.5433 | 1-15/16 | 1-1/8  | 3/4   | 1-9/32 | 0.354 | 3/8-24   | 19/64 | 2.480 |    | 0.095 | 3.799       | 0.939 | 3.138 | 7940                 | 4430                     | 2.27                 |
| SER211              | 55                     | 100    |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER211-32           | 2                      |        | 2-3/16  | 1-3/16 | 7/8   | 1-5/16 | 0.354 | 3/8-24   | 19/64 | 2.756 |    | 0.095 | 4.193       | 0.939 | 3.571 | 9700                 | 5620                     | 2.67                 |
| SER211-34           | 2-1/8                  | 3.9370 |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER211-35           | 2-3/16                 |        |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER212              | 60                     | 110    | 65.1    | 31.8   | 25.4  | 33.4   | 10    | M10X1.25 | 7.5   | 77    |    | 2.41  | 116.6       | 29.4  | 100   | 5350                 | 3150                     | 1.68                 |
| SER212-36           | 2-1/4                  |        |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |
| SER212-38           | 2-3/8                  | 4.3307 | 2-9/16  | 1-1/4  | 1     | 1-9/16 | 0.394 | 3/8-24   | 19/64 | 3.031 |    | 0.095 | 4.591       | 1.158 | 3.937 | 11800                | 6940                     | 3.70                 |
| SER212-39           | 2-7/16                 |        |         |        |       |        |       |          |       |       |    |       |             |       |       |                      |                          |                      |

## 平底实心轴承座系列

Flat bottom solid Bearing Housings series



## 台版轴承座系列

Taiwan Bearing Housings Series



## 非标轴承座系列

Non-standard Bearing Housings series





重要提示：

图册上所有内容仅供参考，颜色、尺寸如有差异，请以实物为主。  
本公司保留本图册中所有内容的解释权。如有变更，恕不另行通知。

# FGJ<sup>®</sup> 福南轴承



福建福南轴承有限公司

FUJIAN FUNAN BEARING CO., LTD.



地址：中国福建省南安市溪美莲塘星塔工业区

Address: Xingta industrial zone, Liantang Ximei, Nan'an Fujian



China: 362300



电话：86-595-86319380 86312897



传真：86-595-86310897



E-mail: [caijue888@126.com](mailto:caijue888@126.com)



Export E-mail: [fgjbearings@vip.163.com](mailto:fgjbearings@vip.163.com)



Website: [Http: //www.fzbbearing.com](http://www.fzbbearing.com)