

## Insert Bearings

UK Series insert bearings- 

Model UK 211 2S

Dimensiones [mm]

d<sub>2</sub> 50

D 55

D 100

L —

B 21

C 21

d<sub>1</sub> 69.1D<sub>1</sub> 85.9

W —

Y —

E 7

capacity (kN)

C 43.5

C<sub>0</sub> 29P<sub>u</sub> 0.865

Mass

kg 0.59

# UK Series 1:12 Tapered Bore Insert Bearing UK205 UK206 UK207 Wide Inner Spherical Bearing With H Adapter Sleeve

## UK Series insert bearings Product Features

- 1:12 tapered inner bore design, install with H adapter sleeve, uniform circumferential extrusion force, no scratch or indentation on shaft surface, effectively protect transmission shafts.
- Wide inner ring structure increases contact area with adapter sleeve, improves overall load capacity and anti-loosening performance under long-term heavy vibration.
- Spherical outer ring self-aligning design allows  $\pm 2^\circ$  angular misalignment compensation, eliminates abnormal noise and premature raceway spalling caused by housing assembly deviation.
- Standard SL double composite lip seal with outer metal slinger, multi-stage barrier against

mud, crop dust and water splashing, suitable for harsh farm and construction working conditions.

- Pre-filled high-temperature lithium complex grease, equipped with external grease nipple for periodic supplementary lubrication; full hardness and noise inspection before shipment, stable mass production delivery.

## UK Series insert bearings Technical Parameter

| Parameter Item          | Standard Specification                                                                                                                                                                                                                                                                                                       |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Full Model Range        | UK201 ~ UK210 Metric; UK204-12 ~ UK208-24 Inch Bore                                                                                                                                                                                                                                                                          |
| Bearing Type            | Single Row Deep Groove Outer Spherical Insert Bearing, 1:12 Tapered Inner Bore                                                                                                                                                                                                                                               |
| Core Structure          | Spherical outer ring (self-aligning $\pm 2^\circ$ ), 1:12 tapered wide inner ring, double lip NBR composite seal with metal slinger                                                                                                                                                                                          |
| Raw Material            | Inner/Outer Ring: Vacuum degassed GCr15 chrome steel; Steel ball G10 grade; Stamped steel cage                                                                                                                                                                                                                               |
| Mounting Matching       | Matched H series adapter sleeve (H201~H210) for smooth shaft installation                                                                                                                                                                                                                                                    |
| Seal Option             | Standard SL double lip dust/mud seal; TJ heavy-duty multi-lip seal customizable for harsh sites                                                                                                                                                                                                                              |
| Internal Clearance      | CN standard clearance; C3 extra clearance for high-speed heavy vibration equipment                                                                                                                                                                                                                                           |
| Precision Grade         | P0 industrial standard; P6 high precision for food processing equipment                                                                                                                                                                                                                                                      |
| Load Capacity           | Medium heavy radial load, light bidirectional axial load                                                                                                                                                                                                                                                                     |
| Limiting Rotation Speed | Grease lubrication: 3600 ~ 5100 r/min (size dependent)                                                                                                                                                                                                                                                                       |
| Operating Temperature   | -30°C ~ +120°C                                                                                                                                                                                                                                                                                                               |
| Interchangeability      | Fully interchangeable with FYH, NTN, LDK UK series tapered bore insert bearings                                                                                                                                                                                                                                              |
| Matching Housings       | UCP pillow block, UCF 4-bolt flange, UCFL 2-bolt flange, UCT take-up housing                                                                                                                                                                                                                                                 |
| Certificates            | ISO9001, RoHS, REACH                                                                                                                                                                                                                                                                                                         |
| HS Code                 | 8482102000                                                                                                                                                                                                                                                                                                                   |
| Core Features           | 1:12 tapered inner bore with H adapter sleeve, no damage to shaft surface; wide inner ring improves load capacity; self-aligning spherical outer ring compensates mounting misalignment; double anti-dust seal adapts to farm muddy environment; pre-filled long-life grease with external grease nipple for re-lubrication. |

## FAQ

### Q1: Can you provide custom bearings?

Yes, we support OEM and custom production based on your drawings, samples, or technical requirements.

### **Q2: What is the delivery time?**

Standard models: 7-15 working days. Custom products: depending on specifications and order quantity.

### **Q3: Why Choose GQZ Bearing?**

**25+ years** experience in industrial bearing manufacturing and export

Exported to **50+ countries** worldwide with reliable logistics

Rich experience in OEM and custom bearing projects

**100% quality** inspection with precision CNC machining and strict heat treatment control

Fast response within **24 hours** for all inquiries

Stable supply capacity for long-term cooperation

We focus on quality, reliability, and long-term partnership with every customer.

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