

Insert Bearings

UE Series Insert Bearings-



Model

|   |              |
|---|--------------|
| 1 | UE 203 2S    |
| 2 | UE 203 2S.SH |

Dimensões [mm]

|                |         |
|----------------|---------|
| d              | 17      |
| D              | 40      |
| B              | 22.1    |
| C              | 12      |
| s              | 6.2     |
| d <sub>1</sub> | 24.2    |
| E              | 3.6     |
| Gs             | M6×0.75 |
| sw             | 3       |
| r1.2           | 0.3     |
| r3.4           | 0.6     |

Load capacity (kN)

|    |      |
|----|------|
| C  | 9.56 |
| C0 | 4.75 |
| Pu | 0.2  |

Mass

|    |      |
|----|------|
| kg | 0.07 |
|----|------|

# **UE Series Concentric Lock Insert Bearing** **UE204 UE205 UE206 UE207 UE208 Wide** **Inner Ring Spherical Ball Bearing** **Agricultural Machinery Bearing**

## **UE Series Insert Bearings Product Features**

- Unique concentric split locking collar: 360° uniform clamping force, no sharp set screw indentation on shafts, effectively prevent bearing slipping under heavy vibration of agricultural equipment.
- Spherical outer ring self-aligning design ( $\pm 2^\circ$  offset compensation), eliminates abnormal noise and premature failure caused by housing mounting deviation.
- Widened inner ring greatly increases contact area with shaft, improves load bearing capacity and anti-slip performance compared to standard UC setscrew bearings.

## UE-Series-Insert-Bearings

- Double-layer SL composite seal (NBR rubber + metal slinger), blocks mud, crop debris, dust and water splashing, ideal for harsh farm working conditions.
- Full pre-filled long-life high-temperature grease, built-in external grease nipple for periodic re-lubrication; full noise & hardness inspection before shipment, stable mass production supply.

| Parameter Item          | Standard Specification                                                                                                                                                                                                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Full Model Range        | UE201 ~ UE210 Metric; UE204-12 ~ UE208-24 Inch Bore                                                                                                                                                                                                                                          |
| Bearing Type            | Single Row Deep Groove Outer Spherical Insert Bearing, Concentric Split Collar Locking                                                                                                                                                                                                       |
| Core Structure          | Spherical outer ring (self-aligning $\pm 2^\circ$ ), widened inner ring, concentric split locking collar, double lip NBR seal                                                                                                                                                                |
| Standard Material       | Inner/Outer Ring: GCr15 Vacuum Degassed Chrome Steel; Ball: G10 Grade Chrome Steel; Cage: Stamped Steel                                                                                                                                                                                      |
| Locking Mechanism       | Concentric split collar (full circumferential clamping, uniform shaft grip, no shaft damage)                                                                                                                                                                                                 |
| Seal Option             | Standard SL double lip rubber seal + outer metal slinger; TJ heavy dust/mud seal customizable                                                                                                                                                                                                |
| Internal Clearance      | CN standard clearance; C3 extra clearance for high-speed agricultural machinery                                                                                                                                                                                                              |
| Precision Grade         | P0 standard industrial grade; P6 high precision for food processing equipment                                                                                                                                                                                                                |
| Standard Load Grade     | Medium-duty radial & light bidirectional axial load                                                                                                                                                                                                                                          |
| Limiting Rotation Speed | Grease lubrication: 3800 ~ 5200 r/min (depends on size)                                                                                                                                                                                                                                      |
| Operating Temperature   | -30°C ~ +120°C                                                                                                                                                                                                                                                                               |
| Interchangeability      | 1:1 interchangeable with LDK, FYH, NTN UE series concentric lock insert bearings                                                                                                                                                                                                             |
| Matching Housings       | UCP (pillow block), UCF (4-bolt flange), UCFL (2-bolt flange), UCT (take-up)                                                                                                                                                                                                                 |
| Certificates            | ISO9001, RoHS                                                                                                                                                                                                                                                                                |
| Core Features           | Concentric split collar evenly locks shaft without scratching; spherical outer ring compensates mounting misalignment; widened inner ring increases contact area; double anti-dust seal adapts to farm muddy environment; pre-filled long-life lithium complex grease, maintenance-friendly. |

## FAQ

### Q1: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.

**Q2: Can you provide custom bearings?**

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

**Q3: What is the delivery time?**

Standard models: 5-10 working days. Custom products: depending on specifications and order quantity.

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