Insert Bearings
UE Series Insert Bearings-

Model	
1	UE 205 2S
2	UE 205 2S.SH
Dimensiones （mm）	
D	25
D	52
B	27.2
C	15
s	7.7
d_1	33.6
E	4.3
Gs	M6×0.75
sw	3
r1.2	0.6
r3.4	0.6
Load capacity (kN)	
C	14
C0	7.8
Pu	0.335
Mass	
kg	0.14

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 (±2° 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.

- 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 ±2°), 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℃ ~ +120℃
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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