

Insert Bearings  
LE Series Insert  
bearings-



WUXI GUANGQIANG BEARING TRADE CO.,LTD



#### Model

|   |              |
|---|--------------|
| 1 | LE 311 2F    |
| 2 | LE 311 2F.SH |

#### Dimensions (mm)

|                |         |
|----------------|---------|
| d              | 55      |
| D              | 120     |
| B              | 66      |
| C              | 34      |
| s              | 25      |
| d <sub>1</sub> | 75.3    |
| E              | 8.5     |
| Gs             | M12×1.5 |
| sw             | 6       |
| r1.2           | 2       |
| r3.4           | 2       |

#### Capacity (kN)

|                |      |
|----------------|------|
| C              | 71.5 |
| C <sub>0</sub> | 45   |
| P <sub>u</sub> | 1.9  |

#### Mass

|    |      |
|----|------|
| kg | 2.07 |
|----|------|

## LE Series Single Eccentric Lock Insert Bearing LE204 LE205 LE206 LE207 LE208 Double Extended Wide Inner Ring Triple Lip Mud Seal Spherical Ball Bearing For Combine Harvester Construction Machinery

### LE Series Insert bearings Technical Parameter

| Parameter Item   | Standard Specification                                                                                                     |
|------------------|----------------------------------------------------------------------------------------------------------------------------|
| Full Model Range | LE201 ~ LE210 Metric; LE204-12 ~ LE208-24 Inch Bore<br>Cross Reference: YEL, AEL, UEL interchange bearing                  |
| Bearing Type     | Single Row Deep Groove Outer Spherical Insert Bearing, Double-Side Extended Wide Inner Ring + Single Eccentric Lock Collar |

| Parameter Item          | Standard Specification                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Core Structure          | Spherical outer ring ( $\pm 2^\circ$ self-aligning), symmetric extended inner ring on both ends, single eccentric locking collar, multi-lip heavy mud composite seal with steel flinger                                                                                                                                                                                                                                                             |
| Raw Material            | Vacuum degassed GCr15 chrome bearing steel, super-finished raceway & steel balls                                                                                                                                                                                                                                                                                                                                                                    |
| Locking Mechanism       | Single eccentric collar mounted on one extended shoulder, strong self-locking friction under unidirectional rotation, anti-slip under heavy field vibration                                                                                                                                                                                                                                                                                         |
| Seal Option             | Standard 3S triple-lip NBR heavy mud seal; 5-lip ultra heavy-duty seal customizable for extreme muddy farm 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 heavy production lines                                                                                                                                                                                                                                                                                                                                                                |
| Load Capacity           | Medium-heavy radial load, light bidirectional axial load                                                                                                                                                                                                                                                                                                                                                                                            |
| Limiting Rotation Speed | Grease lubrication: 3400 ~ 4900 r/min (size dependent)                                                                                                                                                                                                                                                                                                                                                                                              |
| Operating Temperature   | -30°C ~ +120°C                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Interchangeability      | 1:1 fully interchangeable with FYH YEL, NTN AEL, SNR UEL series eccentric 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           | Double-side extended wide inner ring provides larger contact area with eccentric collar; single eccentric design delivers stable anti-slip performance for single-direction rotation; triple-lip multi-stage seal blocks heavy mud, straw, sand and rainwater; self-aligning spherical outer ring offsets mounting misalignment; pre-filled long-life high-temperature grease with dual-side external grease nipples for full lubrication coverage. |

## LE Series Insert Bearings Features

- Symmetric double-side extended wide inner ring greatly increases contact area with eccentric collar, generating stronger locking friction than single-side extended UY series, effectively prevent inner ring slipping under violent farm vibration.
- Standard triple-lip 3S composite seal with outer steel flinger forms multi-layer barrier, blocks thick mud, crop straw, sand and splashing rainwater, far better dust/mud resistance than double-lip seal UY/UC series for harsh field environments.
- Dual-side external grease nipples on both extended shoulders, realize full raceway lubrication coverage during maintenance, avoid local dry friction and premature bearing fatigue failure after long-hour continuous operation.
- Single eccentric locking structure with lower cost than bidirectional UH double eccentric series, perfect cost-performance solution for equipment without frequent forward-reverse

rotation switching.

- Full interchangeable with imported YEL/AEL/UEL series standard dimensions; full hardness, noise and vibration inspection before delivery, seaworthy anti-rust export packaging for stable mass OEM supply for agricultural machinery manufacturers.

## 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: Looking for a reliable agricultural bearing supplier?**

Send your inquiry to get:

Fast quotation within 24 hours

Technical support from experienced engineers

Custom solution suggestions for your application

Competitive factory-direct pricing

Click Send Inquiry or contact us now to discuss your bearing requirements.

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