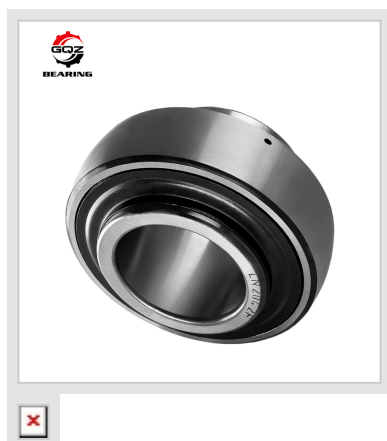


Insert Bearings  
LN Series Insert  
bearings-



WUXI GUANGQIANG BEARING TRADE CO.,LTD



|                    |           |
|--------------------|-----------|
| Model              | LN 204 2F |
| Dimensions (mm)    |           |
| d                  | 20        |
| D                  | 47        |
| B                  | 34.1      |
| C                  | 14        |
| d <sub>1</sub>     | 28.2      |
| N                  | 7         |
| R                  | 7         |
| E                  | 4.3       |
| Load capacity (kN) |           |
| C                  | 12.7      |
| C <sub>0</sub>     | 6.55      |
| P <sub>u</sub>     | 0.28      |
| Mass               |           |
| kg                 | 0.16      |

# LN Series Single Eccentric Lock Insert Bearing LN204 LN205 LN206 LN207 LN208 Double Extended Wide Inner Ring Triple Lip Mud Seal Spherical Ball Bearing For Combine Harvester Construction Conveyor Machinery

## LN Series Insert Bearings Technical Parameter

| Parameter Item   | Standard Specification                                                                                                                                                                                                       |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Full Model Range | LN201 ~ LN210 Metric; LN204-12 ~ LN208-24 Inch Bore<br>Cross Reference: LE, YEL, AEL, UEL interchange bearing                                                                                                                |
| Bearing Type     | Single Row Deep Groove Outer Spherical Insert Bearing, symmetric double-side extended wide inner ring + single eccentric locking collar                                                                                      |
| Core Structure   | Spherical convex outer ring ( $\pm 2^\circ$ self-aligning compensation), dual extended inner shoulders, single eccentric lock collar, 3S triple-lip NBR composite seal with steel anti-mud flinger, dual-side grease nipples |

## LN-Series-Insert-bearings

| Parameter Item          | Standard Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Raw Material            | Vacuum degassed GCr15 chrome bearing steel, super-finished raceway & G10 precision steel balls, standard stamped steel cage                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locking Mechanism       | Single eccentric collar mounted on one extended shoulder, large contact area with inner ring, strong anti-slip friction under unidirectional heavy vibration                                                                                                                                                                                                                                                                                                                                                                                    |
| Seal Option             | Standard 3S triple-lip heavy mud seal; 5-lip ultra heavy-duty seal customizable for extreme muddy farm & construction sites                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Internal Clearance      | CN standard clearance; C3 extra clearance for high-speed continuous vibration equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Precision Grade         | P0 industrial standard; P6 high precision for heavy food 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, LE series eccentric insert bearings                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Matching Housings       | UCP pillow block, UCF 4-bolt square flange, UCFL 2-bolt oval flange, UCT take-up cast iron housing                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Certificates            | ISO9001, RoHS, REACH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HS Code                 | 8482102000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Core Features           | Double-side extended wide inner ring provides larger contact surface for eccentric collar to prevent slipping under violent field vibration; triple multi-layer lip seal effectively blocks thick mud, crop straw, sand and rain splash; dual-side grease nipples achieve full raceway lubrication for long-hour continuous operation; cost-effective single eccentric design for unidirectional rotation without frequent forward-reverse switching; spherical outer ring offsets mounting misalignment to reduce rolling element edge stress. |

## LN 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 eliminate inner ring slipping failure under violent harvester vibration.
- Standard triple-lip 3S composite seal with outer steel flinger forms multi-layer barrier, far superior dust & mud isolation performance than double-lip seal UC/UY series, suitable for harsh outdoor farm and construction muddy environments.
- Dual-side external grease nipples on both extended shoulders, evenly distribute lubricant to all rolling elements, avoid local dry friction and premature raceway spalling after all-day continuous harvesting work.
- Single eccentric locking structure with lower cost than bidirectional UH double eccentric

series, excellent cost-performance solution for equipment without frequent forward-reverse rotation switching.

## 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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