

## Insert Bearings

LN Series Insert bearings- 

Model LN 204 2F

Размеры (мм)

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

C0 6.55

П<sub>y</sub> 0.28

Mass

(кг) 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 BoreCross 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 |
| Raw Material     | Vacuum degassed GCr15 chrome bearing steel, super-finished raceway & G10 precision steel balls, standard stamped steel cage                                                                                                  |

## LN-Series-Insert-bearings

| Parameter Item          | Standard Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.

Wuxi Guangqiang Bearing Trade Co.,Ltd-Tel:86-510-82601571-  
Email:gq@gqbearing.com,shary@gqbearing.com-http://www.bearing-asia.com