

Insert Bearings

LN Series Insert bearings-



Model LN 207 2F

Dimensões [mm]

d 35

D 72

B 37.7

C 19

d₁ 46.1

N 8

R 7

E 5.6

Load capacity (kN)

C 25.5

C₀ 15.3P_u 0.655

Mass

kg 0.49

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

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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.

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