Insert Bearings
LE Series Insert bearings-

Model	
1	LE 309 2F
2	LE 309 2F.SH
Dimensiones （mm）	
D	45
D	100
B	57
C	29
s	22
d_1	62.1
E	7.1
Gs	M10×1
sw	5
r1.2	1.5
r3.4	1.5
Capacity (kN)	
C	52.7
C0	31.5
Pu	1.34
Mass	
kg	1.28

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 BoreCross 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
Core Structure	Spherical outer ring (±2° self-aligning), symmetric extended inner ring on both ends, single eccentric locking collar, multi-lip heavy mud composite seal with steel flinger

Parameter Item	Standard Specification
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℃ ~ +120℃
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 Feactures

- 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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