Insert Bearings
LS Series Insert bearings-

WUXI GUANGQIANG BEARING TRADE CO.,LTD

Model	LS 208 2F
Dimensions (mm)	
d	40
D	80
B	33.9
C	21
d_1	51.8
E	6.1
Load capacity (kN)	
C	30.7
C0	19
Pu	0.8
Mass	
kg	0.43

LS Series Single Eccentric Lock Insert Bearing LS204 LS205 LS206 LS207 LS208 Single Extended Wide Inner Ring Double Lip Seal Spherical Ball Bearing For Unidirectional Agricultural Conveyor Machinery

LS Series Insert Bearings Technical Parameter

Parameter Item	Standard Specification
Full Model Range	LS201 ~ LS210 Metric; LS204-12 ~ LS208-24 Inch BoreCross Reference: UY, SA single eccentric insert bearing
Bearing Type	Single Row Deep Groove Outer Spherical Insert Bearing, single-side extended wide inner ring + single eccentric locking collar
Core Structure	Spherical convex outer ring (±2° self-aligning compensation), one-side extended inner shoulder, single eccentric anti-slip collar, standard SL double-lip NBR composite seal with steel anti-dust flinger
Raw Material	Vacuum degassed GCr15 chrome bearing steel, super-finished raceway & G10 precision steel balls, standard stamped steel cage

Parameter Item	Standard Specification
Locking Mechanism	Single eccentric collar mounted on single extended shoulder, generates stable self-locking friction under unidirectional rotation, anti-slip under medium farm vibration
Seal Option	Standard SL double-lip dust & light mud seal; TJ triple-lip heavy mud seal customizable for extreme muddy farm sites
Internal Clearance	CN standard clearance; C3 extra clearance for high-speed continuous vibration equipment
Precision Grade	P0 industrial standard; P6 high precision for food processing production lines
Load Capacity	Medium radial load, light bidirectional axial load
Limiting Rotation Speed	Grease lubrication: 3600 ~ 5100 r/min (size dependent)
Operating Temperature	-30℃ ~ +120℃
Interchangeability	1:1 fully interchangeable with FYH SA, NTN UY series single 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	Single-side extended inner ring simplified structure lowers cost; single eccentric collar delivers reliable anti-slip performance for single-direction rotation; double-lip multi-stage seal blocks dust, crop debris and light rain splash; self-aligning spherical outer ring offsets mounting misalignment; pre-filled long-life high-temperature grease with single external grease nipple for regular re-lubrication; universal size fully compatible with standard cast iron bearing housings.

LS Series Insert Bearings Feactrues

- Single-side extended inner ring simplified structure reduces raw material cost, excellent cost-performance solution for general unidirectional rotation equipment without ultra-heavy mud pollution.
- Single eccentric locking collar forms stable friction locking during forward rotation, effectively prevent inner ring slipping under medium field vibration, better anti-slip effect than UC set screw bearings without shaft indentation damage.
- Standard SL double-lip composite seal with outer steel flinger forms double-layer barrier, fully block dry crop dust, light mud and splashing rainwater, satisfy most indoor & semi-outdoor farm working conditions.
- Single external grease nipple design simplifies lubrication maintenance, evenly distribute lubricant to internal rolling elements, extend service life for 24-hour continuous low-medium speed conveying operation.

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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