Insert Bearings
UY Series insert bearings-

| Model | |
|---|---|
| 1 | UY 204 2S |
| 2 | UY 204 2S.SH |
| Dimensiones （mm） | |
| D | 20 |
| D | 47 |
| B | 31 |
| C | 14 |
| s | 7.5 |
| $d_1$ | 28.2 |
| $B_1$ | 21.5 |
| $d_2$ | 33 |
| $B_2$ | 13.5 |
| E | 4.3 |
| Gs | M6×0.75 |
| sw | 3 |
| r1.2 | 0.6 |
| r3.4 | 0.6 |
| Capacity (kN) | |
| C | 12.7 |
| C0 | 6.55 |
| Pu | 0.28 |
| Mass | |
| kg | 0.11 |

# UY Series Single Eccentric Lock Insert Bearing UY205 UY206 UY207 One-Side Extended Inner Spherical Bearing SA AEL Interchange

## UY Series Insert Bearings Technical Parameter

| Parameter Item | Standard Specification |
|---|---|
| Full Model Range | UY201 ~ UY210 Metric; UY204-12 ~ UY208-24 Inch Bore |
| Bearing Type | Single Row Deep Groove Outer Spherical Insert Bearing, Single Eccentric Lock Collar, One-Side Extended Wide Inner Ring |

| Parameter Item | Standard Specification |
|---|---|
| Core Structure | Spherical outer ring (self-aligning ±2°), inner ring extended on one end, single eccentric locking collar, double-lip NBR composite seal with metal slinger |
| Raw Material | Inner/Outer Ring: Vacuum degassed GCr15 chrome steel; G10 precision steel ball; stamped steel cage |
| Locking Mechanism | Single eccentric collar mounted on extended inner ring, tight lock for unidirectional rotation, anti-slip under medium vibration |
| Seal Option | Standard SL double-lip dust/mud seal; TJ triple-lip heavy-duty seal customizable for harsh farm sites |
| Internal Clearance | CN standard clearance; C3 extra clearance for high-speed medium vibration equipment |
| Precision Grade | P0 industrial standard; P6 high precision for food processing equipment |
| Load Capacity | Medium heavy radial load, light bidirectional axial load |
| Limiting Rotation Speed | Grease lubrication: 3600 ~ 5100 r/min (size dependent) |
| Operating Temperature | -30℃ ~ +120℃ |
| Interchangeability | Fully interchangeable with FYH SA, NTN AEL, SNR ES series eccentric lock insert bearings |
| Matching Housings | UCP pillow block, UCF 4-bolt flange, UCFL 2-bolt flange, UCT take-up housing |
| Certificates | ISO9001, RoHS |
| HS Code | 8482102000 |
| Core Features | One-side extended wide inner ring for eccentric collar installation; single eccentric collar provides strong anti-slip force for single-direction rotation; spherical outer ring compensates mounting misalignment; double anti-dust seal adapts to farm muddy environment; pre-filled long-life grease with external grease nipple for re-lubrication; simple structure with cost advantage. |

# UY Series Insert Bearings Product Features

- One-side extended wide inner ring design, matched with single eccentric locking collar, generates strong self-locking friction during single-direction rotation, effectively preventing inner ring slipping under medium farm vibration.

- Simple eccentric locking structure with fewer accessories, lower production cost than double eccentric UH or concentric UE series, excellent cost performance for single rotation equipment.

- Spherical outer ring self-aligning design allows ±2° angular misalignment compensation, eliminates abnormal noise and premature raceway spalling caused by housing assembly deviation.

- Standard SL double composite lip seal with outer metal slinger, multi-stage barrier against mud, crop dust and water splashing, suitable for medium-harsh farm working conditions.

# 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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