

## Insert Bearings

UY Series insert bearings- 

## Model

1 UY 211 2S

2 UY 211 2S.SH

## Dimensões [mm]

d 55

D 100

B 48.4

C 25

s 12.5

d<sub>1</sub> 69.1B<sub>1</sub> 32.5 d<sub>2</sub> 76.2 B<sub>2</sub> 20.6

E 7

Gs M10×1

sw 5

r1.2 1

r3.4 2

## Capacity (kN)

C 43.6

C<sub>0</sub> 29

Pu 1.25

## Mass

kg 0.98

# 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 |

## UY-Series-insert-bearings

| Parameter Item          | Standard Specification                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Core Structure          | Spherical outer ring (self-aligning $\pm 2^\circ$ ), 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°C ~ +120°C                                                                                                                                                                                                                                                                                                                                                                                |
| 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  $\pm 2^\circ$  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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