Insert Bearings
UY Series insert bearings-

Model	
1	UY 207 2S
2	UY 207 2S.SH
Dimensiones （mm）	
D	35
D	72
B	38.9
C	19
s	9.5
d_1	46.1
B_1	25.4
d_2	51.2
B_2	17.5
E	5.6
Gs	M10×1
sw	5
r1.2	1
r3.4	1
Capacity (kN)	
C	25.5
C0	15.3
Pu	0.655
Mass	
kg	0.31

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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