Insert Bearings
UH Series Insert Bearings-

Model	UH 209/40 2S.T
Dimensões (mm)	
d	40
D	85
D_1	65
D_2	69
B	39
B_1	23
C	21
eu	10
L_1	1
L_2	1.25
E	6.5
E_1	6.5
M	45×1.5
P	3
P_1	2
capacity (kN)	
C	33.2
C0	21.6
Pu	0.915
Mass	
kg	0.643
Fig.	2

UH Series Double Eccentric Lock Insert Bearing UH204 UH205 UH206 UH207 UH208 Wide Inner Ring Spherical Ball Bearing For Agricultural Construction Machinery

UH Series Insert Bearings Technical Parameter

Parameter Item	Standard Specification
Full Model Range	UH201 ~ UH210 Metric; UH204-12 ~ UH208-24 Inch Bore
Bearing Type	Single Row Deep Groove Outer Spherical Insert Bearing, Double Eccentric Lock Collars (Both Sides)

Parameter Item	Standard Specification
Core Structure	Spherical outer ring (self-aligning ±2°), extra-wide symmetric inner ring, dual-side eccentric locking collars, triple lip heavy-duty NBR seal with metal flinger
Raw Material	Inner/Outer Ring: Vacuum degassed GCr15 chrome steel; Ball: G10 high precision steel ball; Cage: Stamped steel cage
Locking Mechanism	Double eccentric collars on both sides of inner ring, dual rotation anti-loosening, bidirectional rotation lock
Seal System	Standard 3S triple composite lip seal + outer steel slinger; 5-lip heavy mud seal customizable for farm/construction 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 equipment
Load Capacity	Medium-heavy radial load, light bidirectional axial load
Limiting Rotation Speed	Grease lubrication: 3600 ~ 5000 r/min (size dependent)
Operating Temperature	-30℃ ~ +120℃
Interchangeability	Fully interchangeable with FYH, NTN, LDK UH series dual 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	Dual eccentric collars lock both rotation directions, anti-slip for forward/reverse frequent switching; extra-wide inner ring enhances shaft contact area & load capacity; triple lip seal blocks mud, sand, crop debris; self-aligning spherical outer ring compensates mounting deflection; pre-filled long-life high-temperature grease with external grease nipple for re-lubrication.

UH Series Insert Bearings Product Features

- Unique double eccentric collars on both ends of inner ring, perfectly lock forward and reverse rotation, completely solve slipping failure of single eccentric UEL bearings under frequent forward-reverse switching.

- Extra-wide symmetric inner ring greatly increases contact area with shaft, improves load bearing capacity and anti-wear performance compared to standard UC narrow inner ring bearings.

- Triple-layer composite 3S seal (NBR rubber + multi-lip + steel flinger), multi-stage barrier against mud, sand, crop powder and rainwater, longer service life in harsh field working conditions.

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

- Pre-filled long-life lithium complex high-temperature grease, built-in external zerk fitting for periodic re-lubrication; full hardness, noise & vibration inspection before shipment, stable mass production supply.

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: 5–10 working days. Custom products: depending on specifications and order quantity.

Q3: What is the difference between UH, UC, UEL and UE series insert bearings?

UH = Double eccentric collars (both sides, bidirectional anti-slip for forward/reverse rotation); UC = Single setscrew lock; UEL = Single eccentric collar (only one rotation direction); UE = Concentric split collar (360° uniform clamping). UH is the best choice for frequent forward-reverse switching equipment.

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