

## Insert Bearings

UH Series Insert Bearings-



Model UH 209/40 2S.H.T

الأبعاد (مم)

|                |        |
|----------------|--------|
| د              | 40     |
| د              | 85     |
| D <sub>1</sub> | 65     |
| D <sub>2</sub> | 69     |
| ب              | 39     |
| B <sub>1</sub> | 23     |
| ج              | 21     |
| ل              | 10     |
| L <sub>1</sub> | 1      |
| L <sub>2</sub> | 1.25   |
| E              | —      |
| E <sub>1</sub> | 6.5    |
| M              | 40×1.5 |
| ص              | 3      |
| P <sub>1</sub> | 2      |

capacity (kN)

|    |       |
|----|-------|
| ج  | 33.2  |
| C0 | 21.6  |
| بو | 0.915 |

Mass

|      |       |
|------|-------|
| كلغ  | 0.643 |
| Fig. | 1     |

# 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) |

## UH-Series-Insert-Bearings

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