Insert Bearings
UK Series insert bearings-

WUXI GUANGQIANG BEARING TRADE CO.,LTD

Model	UK 209 2S
Dimensions (mm)	
d_2	40
d	45
D	85
L	—
B	19
C	19
d_1	56.6
D_1	72.6
W	—
Y	—
E	6.1
capacity (kN)	
C	32.5
C_0	20.4
Pu	0.64
Mass	
kg	0.39

UK Series 1:12 Tapered Bore Insert Bearing UK205 UK206 UK207 Wide Inner Spherical Bearing With H Adapter Sleeve

UK Series insert bearings Product Features

- 1:12 tapered inner bore design, install with H adapter sleeve, uniform circumferential extrusion force, no scratch or indentation on shaft surface, effectively protect transmission shafts.
- Wide inner ring structure increases contact area with adapter sleeve, improves overall load capacity and anti-loosening performance under long-term heavy vibration.
- 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 harsh farm and construction working conditions.

- Pre-filled high-temperature lithium complex grease, equipped with external grease nipple for periodic supplementary lubrication; full hardness and noise inspection before shipment, stable mass production delivery.

UK Series insert bearings Technical Parameter

Parameter Item	Standard Specification
Full Model Range	UK201 ~ UK210 Metric; UK204-12 ~ UK208-24 Inch Bore
Bearing Type	Single Row Deep Groove Outer Spherical Insert Bearing, 1:12 Tapered Inner Bore
Core Structure	Spherical outer ring (self-aligning ±2°), 1:12 tapered wide inner ring, double lip NBR composite seal with metal slinger
Raw Material	Inner/Outer Ring: Vacuum degassed GCr15 chrome steel; Steel ball G10 grade; Stamped steel cage
Mounting Matching	Matched H series adapter sleeve (H201~H210) for smooth shaft installation
Seal Option	Standard SL double lip dust/mud seal; TJ heavy-duty multi-lip seal customizable for harsh 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 ~ 5100 r/min (size dependent)
Operating Temperature	-30℃ ~ +120℃
Interchangeability	Fully interchangeable with FYH, NTN, LDK UK series tapered bore 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	1:12 tapered inner bore with H adapter sleeve, no damage to shaft surface; wide inner ring improves load capacity; self-aligning 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.

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: Why Choose GQZ Bearing?

25+ years experience in industrial bearing manufacturing and export

Exported to **50+ countries** worldwide with reliable logistics

Rich experience in OEM and custom bearing projects

100% quality inspection with precision CNC machining and strict heat treatment control

Fast response within **24 hours** for all inquiries

Stable supply capacity for long-term cooperation

We focus on quality, reliability, and long-term partnership with every customer.

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