Insert Bearings
US Series insert bearings-

Model	US 211 2S
Dimensões (mm)	
d	55
D	100
B	21
d_1	69.1
D_1	85.9
E	7
r1.2	1.5
Capacity (kN)	
C	43.5
C_0	29
Pu	0.865
Mass	
kg	0.6

US Series Set Screw Insert Bearing US205 US206 US207 Narrow Inner Spherical Ball Bearing SNR NTN Interchange

US Series insert bearings

Parameter Item	Standard Specification
Full Model Range	US201 ~ US210 Metric; US204-12 ~ US208-24 Inch Bore
Bearing Type	Single Row Deep Groove Outer Spherical Insert Bearing, Single M6 Set Screw Lock, Narrow Standard Inner Ring
Core Structure	Spherical outer ring (self-aligning ±2°), narrow standard inner ring, single 120° opposite M6 socket set screw locking, single lip NBR rubber seal with metal slinger
Raw Material	Inner/Outer Ring: Vacuum degassed GCr15 chrome steel; G10 precision steel ball; stamped steel cage
Locking Mechanism	Single dual opposite M6 set screws, simple shaft clamping for light & medium vibration equipment
Seal Option	Standard single lip SL seal; double lip TJ seal customizable for dusty workshop
Internal Clearance	CN standard clearance; C3 extra clearance for high-speed light-duty equipment
Precision Grade	P0 standard industrial grade; P6 high precision for food packaging machinery
Load Capacity	Light-medium radial load, tiny bidirectional axial load

Parameter Item	Standard Specification
Limiting Rotation Speed	Grease lubrication: 3800 ~ 5300 r/min (size dependent)
Operating Temperature	-30℃ ~ +120℃
Interchangeability	Fully interchangeable with SNR, NTN, FYH US series set screw 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	84821020000
Core Features	Compact narrow inner ring saves axial installation space; simple dual set screw locking for quick assembly; spherical outer ring compensates mounting misalignment; lightweight low-friction design for light-load conveyors; pre-filled long-life lithium grease with external grease nipple for re-lubrication.

US Series insert bearings Product Features

- Narrow standard inner ring structure, smaller axial width than UC/UE wide inner series, perfectly fits compact narrow housing design to reduce overall equipment volume.
- Dual opposite M6 socket set screws at 120°, uniform clamping force, quick installation and disassembly without special tools, suitable for low & medium vibration forward-reverse rotation equipment.
- Spherical outer ring self-aligning design allows ±2° angular misalignment compensation, eliminates abnormal noise and premature raceway spalling caused by frame assembly deviation.
- Standard single lip composite seal with outer metal slinger, blocks dry dust and light water splashing, lightweight low rolling resistance reduces motor power consumption for long continuous operation.
- Pre-filled long-life high-temperature lithium complex grease, equipped with external grease nipple for supplementary lubrication; full hardness & noise inspection before shipment, stable mass production delivery.

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: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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