

Insert Bearings

US Series insert bearings- 

Model US 310 2S

Размеры (мм)

d	50
D	110
B	27
d ₁	68.7
D ₁	92.6
E	7.7
r1.2	2

Capacity (kN)

C	61.8
C ₀	38
П _у	1.6

Mass

(кг)	0.95
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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 $\pm 2^\circ$), 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°C ~ +120°C
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 $\pm 2^\circ$ 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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