

2231CDE4



Technical sheet of 2231CDE4

What are the Benefits of choosing 2231CDE4 bearings?

- **Extreme Heavy-Duty Capacity:** Highest rated load in its class, approximately 50% higher than the 222 series, designed for extreme heavy loads and harsh conditions.
- **Superior Durability:** Withstands extremely high bidirectional axial and radial impacts; its internal design is also exceptionally vibration-resistant, ensuring stable operation.
- **Self-Alignment Compensation:** Effectively compensates for shaft deflection or installation misalignment (typically allowing 1-2°) without affecting bearing life.
- **Robust Cage:** Standard one-piece precision brass cage provides excellent guidance and exceptional reliability and durability in harsh environments.

Type :	Spherical Roller Bearings	
Model :	2231CDE4	
Main demensions :	60 mm × 130 mm × 46 mm	Bore Dia × Outside Dia × Width Dia
M kg:	2.8	Mass
HS Code :	8482300000	Bearing customs code
d mm:	60	inner ring diameter
D mm:	130	Outer ring diameter
B(T) mm:	46	Overall Width

Detailed parameters and installation dimensions:

Part Number: 2231CD E4 NSK

Technical description (CD E4): CD=(CC-SKF)=Spherical Roller Bearing, Two-Piece Pressed Steel Cage With Guide Ring. E4=W33 (SKF)=Lubrication Groove And Three Holes In Bearing Outer Ring.

Bearing Type: Double row spherical roller bearings

Bearing Size (metric): Bore Dia. (d): 60 mm X Outer dia. (D): 130 mm X Width (B): 46 mm or Size: 60 mm * 130 mm * 46 mm

Original Equipment Manufacture(OEM NO.): 2231CD E4

Bore: C (Cylindrical Bore)

Lubrication designation: W33 (Lubrication Groove and Three Holes)

Seals Type: No Seal

Cage Design: S (Steel or Standard Cage)

Radial internal clearance: Cn (Normal Internal clearance)

Precision Rating: Standard class precision

Thermal Stability: No Thermal Stability - Temperatures up to 120°C

Vibrating screen special performance: No

What are the applications of the 2231CDE4 bearing?

- **Mining/Metallurgy/Cement:** Used in crushers and vibrating screens. Impact resistant, withstands extreme heavy loads, and adaptable to harsh environments.
- **Paper/Steel:** Used in rolling mills and roller conveyors. Automatic self-aligning compensation effectively addresses shaft deflection or misalignment.
- **Industrial Transmission:** Used in speed reducers and fans. Smooth operation, long service life, and withstands complex composite loads.

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