

Deep Groove Ball Bearing 6203 20x52x15mm

This deep groove ball bearing is designed with deep, uninterrupted raceway grooves. It can handle radial and axial loads in both directions.



ADDITIONAL IMAGES



Overview



Precision-engineered deep groove ball bearing designed for smooth operation in demanding environments.

Deep Groove Ball Bearing 6203

The 6203 deep groove ball bearing is a versatile, non-separable component designed for high-performance applications. Featuring an arc groove raceway, it efficiently handles both radial and axial loads while maintaining low friction and high rotational speeds. Its robust construction ensures reliability in demanding environments, making it an ideal choice for electric motors, automotive systems, and industrial machinery.

Dimensions

Key Dimensions

20 mm

Bore Size

52 mm

Outside Diameter

15 mm

Width

Technical Specifications



High-frequency motor bearing with 2RS rubber seals for effective contaminant protection.

Design & Configuration

- Structure: Deep Groove
- Rows: Single-row
- Model Number: 6203

Available Seal Types

Open • Z • 2Z • RS • 2RS • RZ • 2RZ

Precision & Clearance

Category	Available Grades
Precision Rating	P0, P2, P3, P4, P5, P6
Internal Clearance	C1, C2, C3, C4

Performance & Materials



Robust construction ensures longevity and reliability in high-speed machinery.

Operating Metrics

- Lubrication: Oil, Grease
- Noise Level: Z1, Z2, Z3, Z4
- Vibration: V1, V2, V3, V4

Materials	Chrome Steel, Carbon Steel, Stainless Steel
Cage Material	Brass Cage, Nylon Cage, Steel Cage

Applications

Typical Applications	Automobiles, Motorcycles, Electric Motors, Home Electronics, Machine Tools, Agricultural Machinery, Construction Machinery
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