

Deep Groove Ball Bearing 6209-2RS

This deep groove ball bearing is designed for high radial loads and moderate axial loads. The 2RS designation indicates 2 rubber seals for protection against contaminants and lubricant retention.



Product Overview

Versatile Deep Groove Performance

The 6209-2RS deep groove ball bearing is a robust and reliable component engineered for high-speed operation and versatility. Featuring deep raceway grooves, it is optimized to handle primary radial loads while also accommodating moderate axial loads in both directions. With integrated rubber seals, this bearing offers superior protection against contaminants, ensuring long-lasting performance in demanding environments like electric motors, pumps, and gearboxes.

Physical Specifications

Dimensions

45 mm Inner Diameter	85 mm Outer Diameter	19 mm Width
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Weight	0.408 kg
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Technical Details

Seal Type

2RS • Rubber Sealed

Material	Chrome Steel (GCR15) or High-Carbon Steel (GCR11)
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Rings and Balls Hardness	59 – 63 HRC
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Performance Standards

Accuracy Class

- P0
- P6
- ABEC-1
- ABEC-3

Available Clearances	C2, C0, C3, C4, C5
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Vibration Levels	V1, V2, V3
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Compliance

Certifications	ISO9001:2000, SONCAP
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