

Asia-Pacific Electric Vehicle Bearings Market: Focus on Application, Product, and Country-wise Analysis - Analysis and Forecast, 2024-2034

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Abstracts

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This report will be delivered in 7-10 working days. Introduction to Asia-Pacific Electric Vehicle Bearings Market

The Asia-Pacific electric vehicle (EV) bearings market is projected to reach \$16.58 billion by 2034 from \$5.06 billion in 2024, growing at a CAGR of 12.6% during the forecast period 2024-2034. Electric vehicle (EV) bearings are specialized parts made to satisfy the special requirements of EVs, such as higher speeds, increased load capacities, and enhanced durability under different torque conditions. These bearings are essential for reducing friction and enhancing the functionality of wheels, gearboxes, and electric motors, guaranteeing seamless and effective operation.

Continuous innovation in bearing technology is required due to the new stress profiles and operating conditions brought about by the switch from internal combustion engines to electric motors. Increasing investments in advanced manufacturing, government incentives for EV adoption, and the growing emphasis on sustainable transportation are driving the demand for high-performance, energy-efficient EV bearings in APAC.

Prominent APAC automakers and suppliers are making significant investments in specialized bearing solutions to improve EV longevity, dependability, and efficiency. Therefore, EV bearing technology is becoming a key area of growth and innovation in the APAC automotive supply chain, supporting the region's transition toward electrified mobility and a low-carbon future.

Market Introduction

The growing electric vehicle (EV) industry, government programs encouraging electric mobility, and developments in bearing technology are all contributing to the market's explosive growth in Asia. High-performance, long-lasting, and energy-efficient EV bearings are becoming more and more necessary as the area switches from internal combustion engines to electric motors. These specialty bearings are essential for lowering friction, increasing efficiency, and guaranteeing the seamless operation of wheels, gearboxes, and electric motors.

Load capacity, heat resistance, and durability are being improved by the growing use of high-speed, low-friction bearings as well as advancements in ceramic and hybrid bearing materials. The demand for lightweight parts to improve vehicle performance and battery efficiency is also driving market growth. Predictive maintenance using real-time monitoring and smart bearing integration is also gaining traction, reducing operational costs and improving reliability.

Leading APAC automotive manufacturers and suppliers are investing heavily in next-generation bearing solutions to meet rising demand. The market is being strengthened by the localization of supply chains, the growth of EV manufacturing facilities, and higher R&D expenditures. The market for EV bearings is still a crucial component of the automotive ecosystem in Asia Pacific as the region continues its shift to more environmentally friendly and electric modes of transportation.

Market Segmentation

Segmentation 1: by Propulsion

Battery Electric Vehicle (BEV)

Hybrid Electric Vehicle (HEV)

Plug-In Hybrid Electric Vehicle (PHEV)

Segmentation 2: by Application

Gearbox/Transmission

Motor

E-Axle

Wheel

Others

Segmentation 3: by Vehicle

Passenger Vehicle

Commercial Vehicle

Segmentation 4: by Sales Channel

OEM

Aftermarket

Segmentation 5: by Product

Roller Bearing

Ball Bearing

Segmentation 6: by Material

Steel

Ceramic

Polymer

Other

Segmentation 7: by Region

Asia-Pacific - China, India, Japan, South Korea, and Rest-of-Asia-Pacific

How can this report add value to an organization?

Product/Innovation Strategy: The product segment helps the reader understand the different types of products and applications for Asia-Pacific electric vehicle bearings. Moreover, the study provides the reader with a detailed understanding of the electric vehicle bearings market by application on the basis of propulsion (battery electric vehicle (BEV), hybrid electric vehicle (HEV), and plug-in hybrid electric vehicle (PHEV)), on the basis of application (gearbox/transmission, motor, e-axle, wheel, and other), on the basis of vehicle (passenger vehicle and commercial vehicle), on the basis of sales channel (OEM and aftermarket), product on the basis of product (roller bearing and ball bearing), and material (steel, ceramic, polymer, and other).

Growth/Marketing Strategy: The Asia-Pacific electric vehicle (EV) bearings market has seen major development by key players operating in the market, such as business expansion, partnership, collaboration, and joint venture. The favored strategy for the companies has been partnerships and contracts to strengthen their position in the electric vehicle (EV) bearings market.

Competitive Strategy: Key players in the Asia-Pacific electric vehicle bearings market analyzed and profiled in the study involve major companies offering electric vehicle bearings designed for various applications. Additionally, comprehensive competitive strategies such as partnerships, agreements, and collaborations will aid the reader in understanding the untapped revenue pockets in the market.

Key Market Players and Competition Synopsis

The companies profiled for the electric vehicle bearings market have been selected based on thorough secondary research, which includes analyzing company coverage, product portfolio, market penetration, and insights gathered from primary experts.

Some of the prominent companies in this market are:

NSK Ltd.

NTN Corporation

JTEKT Corporation

NEI Ltd.

NRB Bearings

ILJIN co., Ltd.

C&U Company Limited

NACHI-FUJIKOSHI CORP

Contents

Executive Summary
Scope and Definition

1 MARKETS

- 1.1 Trends: Current and Future Impact Assessment
 - 1.1.1 Low-Friction Electric Vehicle Bearings
 - 1.1.2 High-Speed Bearings
 - 1.1.3 Hybrid Bearings for Electric Pitting Prevention
 - 1.1.4 Low-Friction Lubricants
- 1.2 Technology Roadmap
- 1.3 Supply Chain Overview
 - 1.3.1 Supply Chain and Identifying Risks within the Supply Chain
 - 1.3.2 Value Chain Analysis
 - 1.3.3 Market Map
- 1.4 Ecosystem/Ongoing Programs
 - 1.4.1 Consortiums and Associations
 - 1.4.2 Government Programs and Initiatives (Electric Vehicles)
- 1.5 Comparative Analysis of Bearing Material Selection
 - 1.5.1 Pricing Analysis
 - 1.5.2 OEM Preference
- 1.6 Market Dynamics Overview
 - 1.6.1 Business Drivers
 - 1.6.1.1 Increasing Adoption of Electric Vehicles
 - 1.6.1.2 Technological Advancements in Bearing Material and Design
 - 1.6.1.3 Rising Investment in EV Infrastructure
 - 1.6.2 Business Challenges
 - 1.6.2.1 High Cost of Advanced Materials
 - 1.6.2.2 Technological Complexity and Manufacturing Challenges
 - 1.6.2.3 Dependence on EV Market Growth
 - 1.6.3 Business Opportunities
 - 1.6.3.1 Expansion into Commercial and Industrial EV Segments
 - 1.6.3.2 Integration of Smart Technologies

2 REGIONS

2.1 Regional Summary

2.2 Asia-Pacific

2.2.1 Markets

2.2.1.1 Regional Overview

2.2.1.2 Key Market Participants

2.2.1.3 Driving Factors for Market Growth

2.2.1.4 Factors Challenging the Market

2.2.1.5 Analyst View

2.2.2 Application

2.2.3 Product

2.2.4 Asia-Pacific Electric Vehicle Bearings Market (by Country)

2.2.4.1 China

2.2.4.1.1 Application

2.2.4.1.2 Product

2.2.4.2 India

2.2.4.2.1 Application

2.2.4.2.2 Product

2.2.4.3 Japan

2.2.4.3.1 Application

2.2.4.3.2 Product

2.2.4.4 South Korea

2.2.4.4.1 Application

2.2.4.4.2 Product

2.2.4.5 Rest-of-Asia-Pacific

2.2.4.5.1 Application

2.2.4.5.2 Product

3 MARKETS - COMPETITIVE BENCHMARKING & COMPANY PROFILES

3.1 Next Frontiers

3.1.1 NSK Ltd.

3.1.1.1 Overview

3.1.1.2 Top Products/Product Portfolio

3.1.1.3 Top Competitors

3.1.1.4 Target Customers

3.1.1.5 Key Personnel

3.1.1.6 Analyst View

3.1.1.7 Market Share, 2023

3.1.2 NTN Corporation

3.1.2.1 Overview

- 3.1.2.2 Top Products/Product Portfolio
- 3.1.2.3 Top Competitors
- 3.1.2.4 Target Customers
- 3.1.2.5 Key Personnel
- 3.1.2.6 Analyst View
- 3.1.2.7 Market Share, 2023
- 3.1.3 JTEKT Corporation
 - 3.1.3.1 Overview
 - 3.1.3.2 Top Products/Product Portfolio
 - 3.1.3.3 Top Competitors
 - 3.1.3.4 Target Customers
 - 3.1.3.5 Key Personnel
 - 3.1.3.6 Analyst View
 - 3.1.3.7 Market Share, 2023
- 3.1.4 NEI Ltd.
 - 3.1.4.1 Overview
 - 3.1.4.2 Top Products/Product Portfolio
 - 3.1.4.3 Top Competitors
 - 3.1.4.4 Target Customers
 - 3.1.4.5 Key Personnel
 - 3.1.4.6 Analyst View
 - 3.1.4.7 Market Share, 2023
- 3.1.5 NRB Bearings
 - 3.1.5.1 Overview
 - 3.1.5.2 Top Products/Product Portfolio
 - 3.1.5.3 Top Competitors
 - 3.1.5.4 Target Customers
 - 3.1.5.5 Key Personnel
 - 3.1.5.6 Analyst View
 - 3.1.5.7 Market Share, 2023
- 3.1.6 ILJIN co., Ltd.
 - 3.1.6.1 Overview
 - 3.1.6.2 Top Products/Product Portfolio
 - 3.1.6.3 Top Competitors
 - 3.1.6.4 Target Customers
 - 3.1.6.5 Key Personnel
 - 3.1.6.6 Analyst View
 - 3.1.6.7 Market Share, 2023
- 3.1.7 C&U Company Limited

- 3.1.7.1 Overview
- 3.1.7.2 Top Products/Product Portfolio
- 3.1.7.3 Top Competitors
- 3.1.7.4 Target Customers
- 3.1.7.5 Key Personnel
- 3.1.7.6 Analyst View
- 3.1.7.7 Market Share, 2023
- 3.1.8 NACHI-FUJIKOSHI CORP
 - 3.1.8.1 Overview
 - 3.1.8.2 Top Products/Product Portfolio
 - 3.1.8.3 Top Competitors
 - 3.1.8.4 Target Customers
 - 3.1.8.5 Key Personnel
 - 3.1.8.6 Analyst View
 - 3.1.8.7 Market Share, 2023

4 RESEARCH METHODOLOGY

- 4.1 Data Sources
 - 4.1.1 Primary Data Sources
 - 4.1.2 Secondary Data Sources
 - 4.1.3 Data Triangulation
- 4.2 Market Estimation and Forecast

List Of Figures

LIST OF FIGURES

Figure 1: Electric Vehicle Bearings Market (by Region), 2023, 2026, and 2034

Figure 2: Asia-Pacific Electric Vehicle Bearings Market (by Application), 2023, 2026, and 2034

Figure 3: Asia-Pacific Electric Vehicle Bearings Market (by Propulsion Type), 2023, 2026, and 2034

Figure 4: Asia-Pacific Electric Vehicle Bearings Market (by Vehicle Type), 2023, 2026, and 2034

Figure 5: Asia-Pacific Electric Vehicle Bearings Market (by Sales Channel), 2023, 2026, and 2034

Figure 6: Asia-Pacific Electric Vehicle Bearings Market (by Product), 2023, 2026, and 2034

Figure 7: Asia-Pacific Electric Vehicle Bearings Market (by Material), 2023, 2026, and 2034

Figure 8: Electric Vehicle Bearings Market, Recent Developments

Figure 9: Impact Analysis of Market Navigating Factors, 2023-2034

Figure 10: China Electric Vehicle Bearings Market, \$Million, 2023-2034

Figure 11: India Electric Vehicle Bearings Market, \$Million, 2023-2034

Figure 12: Japan Electric Vehicle Bearings Market, \$Million, 2023-2034

Figure 13: South Korea Electric Vehicle Bearings Market, \$Million, 2023-2034

Figure 14: Rest-of-Asia-Pacific Electric Vehicle Bearings Market, \$Million, 2023-2034

Figure 15: Strategic Initiatives, 2020-2024

Figure 16: Share of Strategic Initiatives, 2020-2024

Figure 17: Data Triangulation

Figure 18: Top-Down and Bottom-Up Approach

Figure 19: Assumptions and Limitations

List of Tables

Table 1: Market Snapshot

Table 2: Electric Vehicle Bearings Market, Opportunities

Table 3: Electric Vehicle Bearings Market (by Region), \$Million, 2023-2034

Table 4: Electric Vehicle Bearings Market (by Region), Million Units, 2023-2034

Table 5: Asia-Pacific Electric Vehicle Bearings Market (by Application), \$Million, 2023-2034

Table 6: Asia-Pacific Electric Vehicle Bearings Market (by Application), Million Units, 2023-2034

Table 7: Asia-Pacific Electric Vehicle Bearings Market (by Propulsion), \$Million,

2023-2034

Table 8: Asia-Pacific Electric Vehicle Bearings Market (by Propulsion), Million Units, 2023-2034

Table 9: Asia-Pacific Electric Vehicle Bearings Market (by Vehicle), \$Million, 2023-2034

Table 10: Asia-Pacific Electric Vehicle Bearings Market (by Vehicle), Million Units, 2023-2034

Table 11: Asia-Pacific Electric Vehicle Bearings Market (by Sales Channel), \$Million, 2023-2034

Table 12: Asia-Pacific Electric Vehicle Bearings Market (by Sales Channel), \$Million, 2023-2034

Table 13: Asia-Pacific Electric Vehicle Bearings Market (by Product), \$Million, 2023-2034

Table 14: Asia-Pacific Electric Vehicle Bearings Market (by Product), Million Units, 2023-2034

Table 15: Asia-Pacific Electric Vehicle Bearings Market (by Material), \$Million, 2023-2034

Table 16: Asia-Pacific Electric Vehicle Bearings Market (by Material), Million Units, 2023-2034

Table 17: China Electric Vehicle Bearings Market (by Application), \$Million, 2023-2034

Table 18: China Electric Vehicle Bearings Market (by Application), Million Units, 2023-2034

Table 19: China Electric Vehicle Bearings Market (by Propulsion), \$Million, 2023-2034

Table 20: China Electric Vehicle Bearings Market (by Propulsion), Million Units, 2023-2034

Table 21: China Electric Vehicle Bearings Market (by Vehicle), \$Million, 2023-2034

Table 22: China Electric Vehicle Bearings Market (by Vehicle), Million Units, 2023-2034

Table 23: China Electric Vehicle Bearings Market (by Sales Channel), \$Million, 2023-2034

Table 24: China Electric Vehicle Bearings Market (by Sales Channel), \$Million, 2023-2034

Table 25: China Electric Vehicle Bearings Market (by Product), \$Million, 2023-2034

Table 26: China Electric Vehicle Bearings Market (by Product), Million Units, 2023-2034

Table 27: China Electric Vehicle Bearings Market (by Material), \$Million, 2023-2034

Table 28: China Electric Vehicle Bearings Market (by Material), Million Units, 2023-2034

Table 29: India Electric Vehicle Bearings Market (by Application), \$Million, 2023-2034

Table 30: India Electric Vehicle Bearings Market (by Application), Million Units, 2023-2034

Table 31: India Electric Vehicle Bearings Market (by Propulsion), \$Million, 2023-2034

Table 32: India Electric Vehicle Bearings Market (by Propulsion), Million Units,

2023-2034

Table 33: India Electric Vehicle Bearings Market (by Vehicle), \$Million, 2023-2034

Table 34: India Electric Vehicle Bearings Market (by Vehicle), Million Units, 2023-2034

Table 35: India Electric Vehicle Bearings Market (by Sales Channel), \$Million,
2023-2034

Table 36: India Electric Vehicle Bearings Market (by Sales Channel), \$Million,
2023-2034

Table 37: India Electric Vehicle Bearings Market (by Product), \$Million, 2023-2034

Table 38: India Electric Vehicle Bearings Market (by Product), Million Units, 2023-2034

Table 39: India Electric Vehicle Bearings Market (by Material), \$Million, 2023-2034

Table 40: India Electric Vehicle Bearings Market (by Material), Million Units, 2023-2034

Table 41: Japan Electric Vehicle Bearings Market (by Application), \$Million, 2023-2034

Table 42: Japan Electric Vehicle Bearings Market (by Application), Million Units,
2023-2034

Table 43: Japan Electric Vehicle Bearings Market (by Propulsion), \$Million, 2023-2034

Table 44: Japan Electric Vehicle Bearings Market (by Propulsion), Million Units,
2023-2034

Table 45: Japan Electric Vehicle Bearings Market (by Vehicle), \$Million, 2023-2034

Table 46: Japan Electric Vehicle Bearings Market (by Vehicle), Million Units, 2023-2034

Table 47: Japan Electric Vehicle Bearings Market (by Sales Channel), \$Million,
2023-2034

Table 48: Japan Electric Vehicle Bearings Market (by Sales Channel), Million Units,
2023-2034

Table 49: Japan Electric Vehicle Bearings Market (by Product), \$Million, 2023-2034

Table 50: Japan Electric Vehicle Bearings Market (by Product), Million Units, 2023-2034

Table 51: Japan Electric Vehicle Bearings Market (by Material), \$Million, 2023-2034

Table 52: Japan Electric Vehicle Bearings Market (by Material), \$Million, 2023-2034

Table 53: South Korea Electric Vehicle Bearings Market (by Application), \$Million,
2023-2034

Table 54: South Korea Electric Vehicle Bearings Market (by Application), Million Units,
2023-2034

Table 55: South Korea Electric Vehicle Bearings Market (by Propulsion), \$Million,
2023-2034

Table 56: South Korea Electric Vehicle Bearings Market (by Propulsion), Million Units,
2023-2034

Table 57: South Korea Electric Vehicle Bearings Market (by Vehicle), \$Million,
2023-2034

Table 58: South Korea Electric Vehicle Bearings Market (by Vehicle), Million Units,
2023-2034

Table 59: South Korea Electric Vehicle Bearings Market (by Sales Channel), \$Million, 2023-2034

Table 60: South Korea Electric Vehicle Bearings Market (by Sales Channel), \$Million, 2023-2034

Table 61: South Korea Electric Vehicle Bearings Market (by Product), \$Million, 2023-2034

Table 62: South Korea Electric Vehicle Bearings Market (by Product), Million Units, 2023-2034

Table 63: South Korea Electric Vehicle Bearings Market (by Material), \$Million, 2023-2034

Table 64: South Korea Electric Vehicle Bearings Market (by Material), \$Million, 2023-2034

Table 65: Rest-of-Asia-Pacific Electric Vehicle Bearings Market (by Application), \$Million, 2023-2034

Table 66: Rest-of-Asia-Pacific Electric Vehicle Bearings Market (by Application), Million Units, 2023-2034

Table 67: Rest-of-Asia-Pacific Electric Vehicle Bearings Market (by Propulsion), \$Million, 2023-2034

Table 68: Rest-of-Asia-Pacific Electric Vehicle Bearings Market (by Propulsion), Million Units, 2023-2034

Table 69: Rest-of-Asia-Pacific Electric Vehicle Bearings Market (by Vehicle), \$Million, 2023-2034

Table 70: Rest-of-Asia-Pacific Electric Vehicle Bearings Market (by Vehicle), Million Units, 2023-2034

Table 71: Rest-of-Asia-Pacific Electric Vehicle Bearings Market (by Sales Channel), \$Million, 2023-2034

Table 72: Rest-of-Asia-Pacific Electric Vehicle Bearings Market (by Sales Channel), Million Units, 2023-2034

Table 73: Rest-of-Asia-Pacific Electric Vehicle Bearings Market (by Product), \$Million, 2023-2034

Table 74: Rest-of-Asia-Pacific Electric Vehicle Bearings Market (by Product), Million Units, 2023-2034

Table 75: Rest-of-Asia-Pacific Electric Vehicle Bearings Market (by Material), \$Million, 2023-2034

Table 76: Rest-of-Asia-Pacific Electric Vehicle Bearings Market (by Material), \$Million, 2023-2034

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