

Global Electric Vehicle Bearing Market to Reach US\$ 64.73 Billion by 2032, Registering a Remarkable CAGR of 32.14%

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[/EINPresswire.com/](https://www.einpresswire.com/) -- The global [Electric Vehicle Bearing Market](https://www.astuteanalytica.com/sample/electric-vehicle-bearing-market) is poised for unprecedented growth, with its valuation surging from US 0.00$ US 0.00$ to an impressive US 64.73$ billion by 2032, driven by a robust compound annual growth rate (CAGR) of 32.14% during the forecast period from 2024 to 2032.

For more information, please contact:

<https://www.astuteanalytica.com/request-sample/electric-vehicle-bearing-market>



The rapid adoption of electric vehicles worldwide, propelled by stringent environmental regulations, government incentives, and advancements in EV technology, has significantly boosted the demand for specialized bearings tailored to the unique requirements of electric drivetrains. EV bearings play a pivotal role in enhancing vehicle efficiency, reducing friction, and ensuring durability in high-speed, high-temperature operating conditions.

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The automotive industry is currently experiencing a significant transformation with the increasing adoption of electric vehicles (EVs). As these vehicles gain traction in the EV-bearing market, it becomes essential to understand the intricacies of their components, especially when contrasting them with their internal combustion engine (ICE) counterparts. Electric vehicle bearings are subjected to a temperature range that's approximately 20% higher than what traditional ICE bearings encounter. This increased temperature gradient is largely attributed to their close proximity to the electric motor and the high-speed rotations they undergo. Consequently, this necessitates a deviation in material composition and the type of lubrication used. When it comes to speed and load dynamics, a significant 85% of EVs operate at higher

RPMs compared to traditional vehicles. This operational characteristic demands bearings that are adept at managing increased speeds and axial loads.

Our research indicates that when traditional bearings are deployed in an EV setting, they exhibit a 30% decline in their expected lifespan. This reduction can be attributed to the distinctive operational stresses that EVs impose on these components. Material composition is another domain witnessing a shift in the global EV bearing market. A substantial 70% of EV manufacturers are now gravitating towards ceramic hybrid bearings. Their preference stems from these bearings' superior ability to endure higher temperatures and their enhanced resistance to electrical arcing.

Apart from this, electric vehicles inherently have a quieter operational profile compared to ICE vehicles. This difference has set consumer expectations, with a whopping 90% anticipating a more silent ride from EVs. This expectation underscores the need for low-noise bearings in electric vehicles. Additionally, lubrication practices for EVs diverge from those of traditional vehicles. The greases that have been standard for ICE bearings don't cut EVs. A staggering 95% of EV manufacturers are now advocating the use of specialty lubricants to thwart premature wear and tear.

For more information on the electric vehicle bearing market, visit our website:

<https://www.astuteanalytica.com/industry-report/electric-vehicle-bearing-market>

Key players in the electric vehicle bearing market include:

- AB SKF
- C&U Group Co., Ltd.
- Fersa Bearings S.A.
- ILJIN Co., Ltd.
- JTEKT Corporation
- Nachi-Fujikoshi Corp.
- NBC Bearings (NEI Ltd.)
- NMB Technologies Corporation
- NRB Bearings Limited
- NSK Ltd.
- NTN Corporation
- Schaeffler Technologies AG & Co. KG
- The Timken Company
- Zhejiang XCC Group Co., Ltd.
- Other prominent players

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Battery Electric Vehicle (BEV)
Plug-In Hybrid Electric Vehicle (PHEV)
Hybrid Electric Vehicle (HEV)

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Roller Bearing
Tapered Roller Bearing
Needle Roller Bearing
Cylindrical Roller Bearing
Other
Ball Bearing
Deep Groove Ball Bearing
Angular Contact Bearing
Self-Aligning Ball Bearing
Other
Composite Bearing
Others

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Steel
Ceramic
Polymer
Other

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OEMs
Aftermarket

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Passenger Vehicle
Commercial Vehicle

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Gearbox/Transmission
Motor
E-Axle
Wheel

Others

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North America

The US

Canada

Mexico

Europe

Western Europe

The UK

Germany

France

Italy

Spain

Rest of Western Europe

Eastern Europe

Poland

Russia

Rest of Eastern Europe

Asia Pacific

China

India

Japan

South Korea

Australia & New Zealand

ASEAN

Rest of Asia Pacific

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of MEA

South America

Argentina

Brazil

Rest of South America

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