

CNZ CONNECT

WHERE PRECISION MEETS GROWTH

Edition 05 | January 2026

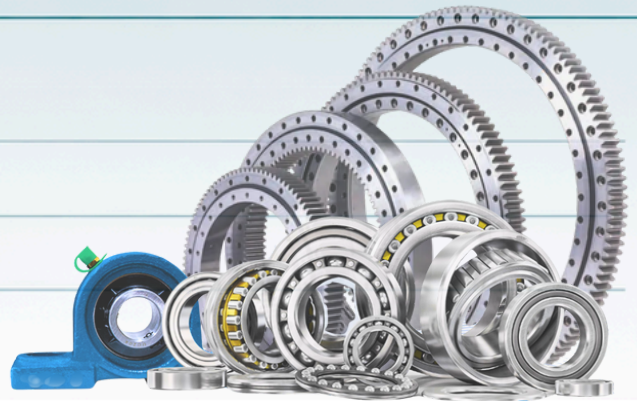
Global Bearing Market Trends: What's Changing?

From quiet corners of a machine to the centre of global growth.



Market Forecast (2024-2029):

- **\$118B → \$147B** Global Market Size
- **7.6% CAGR** India Growth
- **Wind Energy** ↓ **Electric Vehicles** ↓ **Robotics**
- **Industrial & Heavy Machinery**



Regional Trends

Asia-Pacific	Fastest Growth: India & China
Europe	Green Energy & EV Manufacturing
North America	Automation & Aerospace
Middle East & Africa	Infrastructure & Mining Expansion

What This Means for You:

- ✓ Stock EV & renewable-focused bearing solutions
- ✓ Adopt automation-ready components for modern applications
- ✓ CNZ Bearings aligns its portfolio with EV, renewable, and automation-led demand.

Bearings in the EV Revolution: What You Need to Know

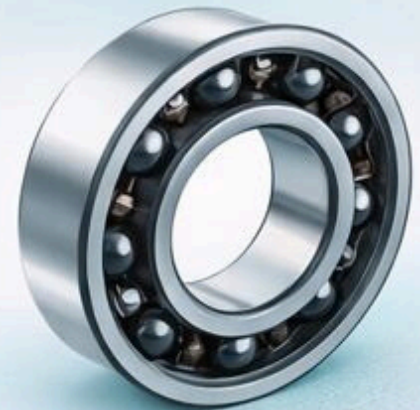
Quiet, efficient, and built for speed – just like the EVs they power.

As the electric vehicle (EV) market accelerates, bearings play a critical role in ensuring smooth, high-speed, and energy-efficient performance. Unlike traditional vehicles, EVs demand bearings that can handle higher RPMs, lower noise, and longer lifespans – all while being compact and lightweight.



Where Bearings Work in an EV

Component	Bearing Function
Electric Motor	High-speed, low-friction rotation
Gearbox/ Transmission	Handles torque and smooth gear engagement
Wheel Hubs	Supports weight and movement
Cooling Systems	Ensures fan/blower efficiency



Hybrid Ceramic Bearing used in EV drive motors

EV-Specific Bearing Features

- High-speed tolerance (often >20,000 RPM)
- Low noise and vibration for passenger comfort
- Ceramic or hybrid materials to handle high voltage and temperatures
- Grease life extension to match EV maintenance cycles

What This Means for You:

- ✓ Upgrade to high-performance, EV-specific bearings
- ✓ **CNZ Bearings** supports EV applications through informed sourcing and application-specific bearing selection.
- 🔌 Monitor for electrical pitting or lubrication failure due to high-speed usage

The future of mobility is electric – and bearings are at its core. Adapting now means staying relevant tomorrow. ⚡