+357 96 030922
info@marketpublishers.com

Automotive Steering Knuckle Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle Type (Passenger Cars, Commercial Vehicles), By Type (Alloy, Cast Iron, Others), By Sales Channel Type (OEM, Aftermarket), By Region & Competition, 2021-2031F

https://marketpublishers.com/r/A15FB02BE7A0EN.html
Date: January 2026
Pages: 180
Price: US$ 4,500.00 (Single User License)
ID: A15FB02BE7A0EN

Abstracts

The Global Automotive Steering Knuckle Market is projected to expand from USD 3.31 billion in 2025 to USD 4.96 billion by 2031, achieving a CAGR of 6.97%. Functioning as a vital suspension element, the steering knuckle serves as the pivot point linking the steering mechanism and suspension to the wheel hub, facilitating controlled wheel motion. Market progress is fueled by increasing global vehicle production and a strategic transition toward lightweight materials to boost fuel economy and support electric vehicle designs. According to the International Organization of Motor Vehicle Manufacturers (OICA), global motor vehicle production hit 92.5 million units in 2024, a volume that directly drives demand since every four-wheeled vehicle necessitates these structural parts for safe operation.

Despite this growth trajectory, market expansion faces a significant hurdle due to volatile raw material prices, specifically for steel and aluminum. The unstable costs of these critical metals can interrupt supply chains and squeeze manufacturer profit margins, making it challenging to sustain consistent pricing strategies within a competitive international environment.

Market Driver

The push to adopt lightweight materials to improve fuel efficiency and extend vehicle

+357 96 030922
info@marketpublishers.com

range is a major catalyst for the Global Automotive Steering Knuckle Market. Facing strict emissions regulations, automakers are moving away from heavy cast iron toward lighter options like aluminum and magnesium alloys, a shift that lowers unsprung mass to enhance handling and energy efficiency while prompting suppliers to upgrade casting technologies. This trend is evidenced by the Aluminum Association's April 2025 'Aluminum Situation' report, which noted a 3.4% rebound in North American aluminum demand in 2024, highlighting the material's growing importance in contemporary automotive architectures.

Simultaneously, the rise of electric vehicle (EV) production is altering the technical specifications for suspension systems. Because EVs carry heavy battery packs that increase overall weight, steering knuckles must be engineered with greater tensile strength and optimized geometries to maintain safety without adding unnecessary bulk, driving rapid innovation among manufacturers. The European Automobile Manufacturers' Association (ACEA) reported in October 2025 that battery-electric vehicles secured a 16.4% share of new EU registrations, while lightweighting specialist Nemak reported US$4.9 billion in 2024 revenue in their January 2025 annual report, illustrating the immense market value associated with these structural components.

Market Challenge

The volatility of raw material prices, particularly for aluminum and steel, stands as a significant obstacle to the Global Automotive Steering Knuckle Market's progress. Because steering knuckles are dense structural parts requiring substantial amounts of metal for safety, fluctuating base metal costs make it difficult to implement stable pricing strategies. Manufacturers are frequently forced to absorb these cost increases to preserve contracts with original equipment manufacturers (OEMs) that demand fixed pricing, a dynamic that reduces profit margins and diverts funds from capacity expansion, thereby stalling the financial momentum needed for growth.

This instability is highlighted by recent industry data regarding the primary feedstocks for these components. In October 2024, the World Steel Association forecast a 0.9% decline in global steel demand to 1,751 million tonnes for the year, a trend driven by high production costs and economic difficulties. Such fluctuations in the fundamental steel market create an unpredictable supply landscape for component producers; when elevated costs depress the raw material sector, supply chain fluidity is disrupted, hindering the financial stability steering knuckle manufacturers require to undertake significant expansion.

+357 96 030922
info@marketpublishers.com

Market Trends

The adoption of additive manufacturing for creating complex geometries and prototyping is transforming the development stages of the Global Automotive Steering Knuckle Market. This technological evolution enables engineers to circumvent traditional tooling limitations, facilitating the production of knuckles with intricate internal lattices and organic forms that optimize weight distribution while maintaining structural rigidity. By supporting rapid prototyping, additive manufacturing drastically reduces lead times, allowing suppliers to validate designs and transition to mass production more quickly than conventional casting methods permit; highlighting this shift, 3Dnatives reported in January 2025 that General Motors completed over 5,400 additive manufacturing projects in 2024, demonstrating the technology's growing role in accelerating innovation.

At the same time, a move toward high-vacuum die casting and precision forging is redefining mass production for these safety-critical parts. To meet the demands of electric drivetrains which require knuckles with minimal porosity and superior fatigue strength, manufacturers are replacing standard gravity casting with high-pressure, vacuum-assisted techniques that yield denser, near-net-shape components. Although this transition involves significant capital investment, it improves long-term efficiency by minimizing material waste and machining needs; reflecting this commitment, Automotive Manufacturing Solutions reported in November 2025 that Toyota invested US$912 million across five U.S. plants to upgrade component casting and vehicle production, signaling a strong industry trend toward advanced casting infrastructure.

Key Market Players

Magna International Inc.

ZF Friedrichshafen AG

Thyssenkrupp AG

AISIN CORPORATION

BorgWarner Inc.

Dana Incorporated

+357 96 030922
info@marketpublishers.com

JTEKT Corporation

Schaeffler AG

BENTELER International AG

Samvardhana Motherson International Limited

Report Scope

In this report, the Global Automotive Steering Knuckle Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Automotive Steering Knuckle Market, By Vehicle Type

Passenger Cars

Commercial Vehicles

Automotive Steering Knuckle Market, By Type

Alloy

Cast Iron

Others

Automotive Steering Knuckle Market, By Sales Channel Type

OEM

Aftermarket

Automotive Steering Knuckle Market, By Region

North America

+357 96 030922
info@marketpublishers.com

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

+357 96 030922
info@marketpublishers.com

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Automotive Steering Knuckle Market.

Available Customizations:

Global Automotive Steering Knuckle Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

1. PRODUCT OVERVIEW

1.1. Market Definition
1.2. Scope of the Market
  1.2.1. Markets Covered
  1.2.2. Years Considered for Study
  1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

2.1. Objective of the Study
2.2. Baseline Methodology
2.3. Key Industry Partners
2.4. Major Association and Secondary Sources
2.5. Forecasting Methodology
2.6. Data Triangulation & Validation
2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

3.1. Overview of the Market
3.2. Overview of Key Market Segmentations
3.3. Overview of Key Market Players
3.4. Overview of Key Regions/Countries
3.5. Overview of Market Drivers, Challenges, Trends

4. VOICE OF CUSTOMER

5. GLOBAL AUTOMOTIVE STEERING KNUCKLE MARKET OUTLOOK

5.1. Market Size & Forecast
  5.1.1. By Value
5.2. Market Share & Forecast
  5.2.1. By Vehicle Type (Passenger Cars, Commercial Vehicles)
  5.2.2. By Type (Alloy, Cast Iron, Others)
  5.2.3. By Sales Channel Type (OEM, Aftermarket)
  5.2.4. By Region

+357 96 030922
info@marketpublishers.com

5.2.5. By Company (2025)
5.3. Market Map

6. NORTH AMERICA AUTOMOTIVE STEERING KNUCKLE MARKET OUTLOOK

6.1. Market Size & Forecast
6.1.1. By Value
6.2. Market Share & Forecast
6.2.1. By Vehicle Type
6.2.2. By Type
6.2.3. By Sales Channel Type
6.2.4. By Country
6.3. North America: Country Analysis
6.3.1. United States Automotive Steering Knuckle Market Outlook
6.3.1.1. Market Size & Forecast
6.3.1.1.1. By Value
6.3.1.2. Market Share & Forecast
6.3.1.2.1. By Vehicle Type
6.3.1.2.2. By Type
6.3.1.2.3. By Sales Channel Type
6.3.2. Canada Automotive Steering Knuckle Market Outlook
6.3.2.1. Market Size & Forecast
6.3.2.1.1. By Value
6.3.2.2. Market Share & Forecast
6.3.2.2.1. By Vehicle Type
6.3.2.2.2. By Type
6.3.2.2.3. By Sales Channel Type
6.3.3. Mexico Automotive Steering Knuckle Market Outlook
6.3.3.1. Market Size & Forecast
6.3.3.1.1. By Value
6.3.3.2. Market Share & Forecast
6.3.3.2.1. By Vehicle Type
6.3.3.2.2. By Type
6.3.3.2.3. By Sales Channel Type

7. EUROPE AUTOMOTIVE STEERING KNUCKLE MARKET OUTLOOK

7.1. Market Size & Forecast
7.1.1. By Value

+357 96 030922
info@marketpublishers.com

7.2. Market Share & Forecast
7.2.1. By Vehicle Type
7.2.2. By Type
7.2.3. By Sales Channel Type
7.2.4. By Country
7.3. Europe: Country Analysis
7.3.1. Germany Automotive Steering Knuckle Market Outlook
7.3.1.1. Market Size & Forecast
7.3.1.1.1. By Value
7.3.1.2. Market Share & Forecast
7.3.1.2.1. By Vehicle Type
7.3.1.2.2. By Type
7.3.1.2.3. By Sales Channel Type
7.3.2. France Automotive Steering Knuckle Market Outlook
7.3.2.1. Market Size & Forecast
7.3.2.1.1. By Value
7.3.2.2. Market Share & Forecast
7.3.2.2.1. By Vehicle Type
7.3.2.2.2. By Type
7.3.2.2.3. By Sales Channel Type
7.3.3. United Kingdom Automotive Steering Knuckle Market Outlook
7.3.3.1. Market Size & Forecast
7.3.3.1.1. By Value
7.3.3.2. Market Share & Forecast
7.3.3.2.1. By Vehicle Type
7.3.3.2.2. By Type
7.3.3.2.3. By Sales Channel Type
7.3.4. Italy Automotive Steering Knuckle Market Outlook
7.3.4.1. Market Size & Forecast
7.3.4.1.1. By Value
7.3.4.2. Market Share & Forecast
7.3.4.2.1. By Vehicle Type
7.3.4.2.2. By Type
7.3.4.2.3. By Sales Channel Type
7.3.5. Spain Automotive Steering Knuckle Market Outlook
7.3.5.1. Market Size & Forecast
7.3.5.1.1. By Value
7.3.5.2. Market Share & Forecast
7.3.5.2.1. By Vehicle Type

+357 96 030922
info@marketpublishers.com

7.3.5.2.2. By Type
7.3.5.2.3. By Sales Channel Type

8. ASIA PACIFIC AUTOMOTIVE STEERING KNUCKLE MARKET OUTLOOK

8.1. Market Size & Forecast
8.1.1. By Value
8.2. Market Share & Forecast
8.2.1. By Vehicle Type
8.2.2. By Type
8.2.3. By Sales Channel Type
8.2.4. By Country
8.3. Asia Pacific: Country Analysis
8.3.1. China Automotive Steering Knuckle Market Outlook
8.3.1.1. Market Size & Forecast
8.3.1.1.1. By Value
8.3.1.2. Market Share & Forecast
8.3.1.2.1. By Vehicle Type
8.3.1.2.2. By Type
8.3.1.2.3. By Sales Channel Type
8.3.2. India Automotive Steering Knuckle Market Outlook
8.3.2.1. Market Size & Forecast
8.3.2.1.1. By Value
8.3.2.2. Market Share & Forecast
8.3.2.2.1. By Vehicle Type
8.3.2.2.2. By Type
8.3.2.2.3. By Sales Channel Type
8.3.3. Japan Automotive Steering Knuckle Market Outlook
8.3.3.1. Market Size & Forecast
8.3.3.1.1. By Value
8.3.3.2. Market Share & Forecast
8.3.3.2.1. By Vehicle Type
8.3.3.2.2. By Type
8.3.3.2.3. By Sales Channel Type
8.3.4. South Korea Automotive Steering Knuckle Market Outlook
8.3.4.1. Market Size & Forecast
8.3.4.1.1. By Value
8.3.4.2. Market Share & Forecast
8.3.4.2.1. By Vehicle Type

+357 96 030922
info@marketpublishers.com

8.3.4.2.2. By Type
8.3.4.2.3. By Sales Channel Type
8.3.5. Australia Automotive Steering Knuckle Market Outlook
8.3.5.1. Market Size & Forecast
8.3.5.1.1. By Value
8.3.5.2. Market Share & Forecast
8.3.5.2.1. By Vehicle Type
8.3.5.2.2. By Type
8.3.5.2.3. By Sales Channel Type

9. MIDDLE EAST & AFRICA AUTOMOTIVE STEERING KNUCKLE MARKET OUTLOOK

9.1. Market Size & Forecast
9.1.1. By Value
9.2. Market Share & Forecast
9.2.1. By Vehicle Type
9.2.2. By Type
9.2.3. By Sales Channel Type
9.2.4. By Country
9.3. Middle East & Africa: Country Analysis
9.3.1. Saudi Arabia Automotive Steering Knuckle Market Outlook
9.3.1.1. Market Size & Forecast
9.3.1.1.1. By Value
9.3.1.2. Market Share & Forecast
9.3.1.2.1. By Vehicle Type
9.3.1.2.2. By Type
9.3.1.2.3. By Sales Channel Type
9.3.2. UAE Automotive Steering Knuckle Market Outlook
9.3.2.1. Market Size & Forecast
9.3.2.1.1. By Value
9.3.2.2. Market Share & Forecast
9.3.2.2.1. By Vehicle Type
9.3.2.2.2. By Type
9.3.2.2.3. By Sales Channel Type
9.3.3. South Africa Automotive Steering Knuckle Market Outlook
9.3.3.1. Market Size & Forecast
9.3.3.1.1. By Value
9.3.3.2. Market Share & Forecast

+357 96 030922
info@marketpublishers.com

9.3.3.2.1. By Vehicle Type
9.3.3.2.2. By Type
9.3.3.2.3. By Sales Channel Type

10. SOUTH AMERICA AUTOMOTIVE STEERING KNUCKLE MARKET OUTLOOK

10.1. Market Size & Forecast
10.1.1. By Value
10.2. Market Share & Forecast
10.2.1. By Vehicle Type
10.2.2. By Type
10.2.3. By Sales Channel Type
10.2.4. By Country
10.3. South America: Country Analysis
10.3.1. Brazil Automotive Steering Knuckle Market Outlook
10.3.1.1. Market Size & Forecast
10.3.1.1.1. By Value
10.3.1.2. Market Share & Forecast
10.3.1.2.1. By Vehicle Type
10.3.1.2.2. By Type
10.3.1.2.3. By Sales Channel Type
10.3.2. Colombia Automotive Steering Knuckle Market Outlook
10.3.2.1. Market Size & Forecast
10.3.2.1.1. By Value
10.3.2.2. Market Share & Forecast
10.3.2.2.1. By Vehicle Type
10.3.2.2.2. By Type
10.3.2.2.3. By Sales Channel Type
10.3.3. Argentina Automotive Steering Knuckle Market Outlook
10.3.3.1. Market Size & Forecast
10.3.3.1.1. By Value
10.3.3.2. Market Share & Forecast
10.3.3.2.1. By Vehicle Type
10.3.3.2.2. By Type
10.3.3.2.3. By Sales Channel Type

11. MARKET DYNAMICS

11.1. Drivers

+357 96 030922
info@marketpublishers.com

11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

12.1. Merger & Acquisition (If Any)
12.2. Product Launches (If Any)
12.3. Recent Developments

13. GLOBAL AUTOMOTIVE STEERING KNUCKLE MARKET: SWOT ANALYSIS

14. PORTER'S FIVE FORCES ANALYSIS

14.1. Competition in the Industry
14.2. Potential of New Entrants
14.3. Power of Suppliers
14.4. Power of Customers
14.5. Threat of Substitute Products

15. COMPETITIVE LANDSCAPE

15.1. Magna International Inc.
  15.1.1. Business Overview
  15.1.2. Products & Services
  15.1.3. Recent Developments
  15.1.4. Key Personnel
  15.1.5. SWOT Analysis
15.2. ZF Friedrichshafen AG
15.3. Thyssenkrupp AG
15.4. AISIN CORPORATION
15.5. BorgWarner Inc.
15.6. Dana Incorporated
15.7. JTEKT Corporation
15.8. Schaeffler AG
15.9. BENTELER International AG
15.10. Samvardhana Motherson International Limited

16. STRATEGIC RECOMMENDATIONS

17. ABOUT US & DISCLAIMER

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Automotive Steering Knuckle Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle Type (Passenger Cars, Commercial Vehicles), By Type (Alloy, Cast Iron, Others), By Sales Channel Type (OEM, Aftermarket), By Region & Competition, 2021-2031F

Product link: https://marketpublishers.com/r/A15FB02BE7A0EN.html

Price: US$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/A15FB02BE7A0EN.html