

## **Automotive Steering Knuckle Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 to 2034**

Market Report | 2024-11-26 | 175 pages | Global Market Insights

### **AVAILABLE LICENSES:**

- Single User \$4850.00
- Multi User \$6050.00
- Enterprise User \$8350.00

### **Report description:**

The Global Automotive Steering Knuckle Market was valued at USD 7 billion in 2024 and is projected to grow at 4.4% CAGR from 2025 to 2034. This market expansion is largely driven by the increasing adoption of electric vehicles (EVs) and the growing need for lightweight, energy-efficient automotive components. As automakers work to enhance fuel economy and meet stringent CO2 emission regulations, the demand for lightweight parts, such as steering knuckles, is rising across the automotive industry.

The shift towards EVs, particularly in regions like North America and Asia Pacific, is a key factor fueling this demand. With the push to make vehicles lighter, manufacturers are turning to materials such as aluminum to reduce weight. Lightweight components not only help lower energy consumption but also support sustainability goals and regulatory compliance. The trend towards using aluminum and other lightweight materials in steering knuckles is not limited to electric vehicles but, extends to the broader automotive sector as part of efforts to meet increasingly strict environmental standards.

The automotive steering knuckle market is segmented by vehicle type into passenger cars, commercial vehicles, and off-road vehicles. In 2024, passenger cars dominated the market, holding a share of 65%. This segment is expected to generate USD 6 billion by 2034, driven by the growing consumer preference for fuel-efficient and eco-friendly vehicles. As electric vehicles require lightweight parts to maximize battery life and range, the demand for lightweight steering knuckles in passenger cars is strong. Moreover, the rise of advanced driver-assistance systems (ADAS) and autonomous driving features is increasing the need for high-performance steering knuckles to support enhanced safety systems, such as collision detection and lane-keeping assist.

Based on material, the market is classified into steel, aluminum, cast iron, and other materials being the primary categories. Cast iron accounted for a 40% share in 2024. Known for its durability and cost-effectiveness, cast iron remains a popular choice for steering knuckles, particularly in commercial vehicles and high-performance applications. It provides the strength required for heavier vehicles while being easy to manufacture, making it an attractive option for mass production. Cast iron's widespread use is especially prominent in North America and Europe, where it is a standard material for a variety of vehicle types.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

Asia Pacific automotive steering knuckle market accounted for a 40% share in 2024. The region is seeing rapid growth in vehicle production and sales, driven by government incentives and infrastructure investments promoting the adoption of electric vehicles. This growth in production and sales is further driving the demand for steering knuckles, particularly in markets like China and India.

## **Table of Contents:**

### Report Content

#### Chapter 1 Methodology & Scope

##### 1.1 Research design

###### 1.1.1 Research approach

###### 1.1.2 Data collection methods

##### 1.2 Base estimates & calculations

###### 1.2.1 Base year calculation

###### 1.2.2 Key trends for market estimation

##### 1.3 Forecast model

##### 1.4 Primary research and validation

###### 1.4.1 Primary sources

###### 1.4.2 Data mining sources

##### 1.5 Market scope & definition

#### Chapter 2 Executive Summary

##### 2.1 Industry 360 synopsis, 2021 - 2034

#### Chapter 3 Industry Insights

##### 3.1 Industry ecosystem analysis

###### 3.1.1 Raw material supplier

###### 3.1.2 Component suppliers

###### 3.1.3 Manufacturers

###### 3.1.4 Aftermarket providers

###### 3.1.5 End users

##### 3.2 Supplier landscape

##### 3.3 Profit margin analysis

##### 3.4 Technology & innovation landscape

##### 3.5 Patent analysis

##### 3.6 Key news & initiatives

##### 3.7 Regulatory landscape

##### 3.8 Impact forces

###### 3.8.1 Growth drivers

###### 3.8.1.1 Growing demand for lightweight materials to meet fuel efficiency and emissions standards

###### 3.8.1.2 Increased EV production requiring specialized steering knuckles

###### 3.8.1.3 Advancements in vehicle safety and autonomy boosting steering knuckle needs

###### 3.8.1.4 Growing vehicle fleets and aging cars driving aftermarket demand

###### 3.8.2 Industry pitfalls & challenges

###### 3.8.2.1 Raw material price volatility and supply chain disruptions

###### 3.8.2.2 Technological complexities

##### 3.9 Growth potential analysis

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 3.10 Porter's analysis
- 3.11 PESTEL analysis
- Chapter 4 Competitive Landscape, 2024
  - 4.1 Introduction
  - 4.2 Company market share analysis
  - 4.3 Competitive positioning matrix
  - 4.4 Strategic outlook matrix
- Chapter 5 Market Estimates & Forecast, By Vehicle, 2021 - 2034 (\$Bn, Units)
  - 5.1 Key trends
  - 5.2 Passenger cars
    - 5.2.1 Sedans
    - 5.2.2 Hatchbacks
    - 5.2.3 SUVs
    - 5.2.4 Others
  - 5.3 Commercial vehicles
    - 5.3.1 Light Commercial Vehicles (LCVs)
    - 5.3.2 Heavy Commercial Vehicles (HCVs)
  - 5.4 Off-road vehicles
    - 5.4.1 Construction equipment
    - 5.4.2 Mining equipment
- Chapter 6 Market Estimates & Forecast, By Vehicle, 2021 - 2034 (\$Bn, Units)
  - 6.1 Key trends
  - 6.2 Cast iron
  - 6.3 Steel
  - 6.4 Aluminum
  - 6.5 Others
- Chapter 7 Market Estimates & Forecast, By Material, 2021 - 2034 (\$Bn, Units)
  - 7.1 Key trends
  - 7.2 Casting
  - 7.3 Forging
  - 7.4 Machining
  - 7.5 Others
- Chapter 8 Market Estimates & Forecast, By Application, 2021 - 2034 (\$Bn, Units)
  - 8.1 Key trends
  - 8.2 Front steering knuckle
  - 8.3 Rear steering knuckle
- Chapter 9 Market Estimates & Forecast, By Sales Channel, 2021 - 2034 (\$Bn, Units)
  - 9.1 Key trends
  - 9.2 OEM
  - 9.3 Aftermarket
- Chapter 10 Market Estimates & Forecast, By Region, 2021 - 2034 (\$Bn, Units)
  - 10.1 Key trends
  - 10.2 North America
    - 10.2.1 U.S.
    - 10.2.2 Canada
  - 10.3 Europe
    - 10.3.1 UK

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 10.3.2 Germany
- 10.3.3 France
- 10.3.4 Italy
- 10.3.5 Spain
- 10.3.6 Russia
- 10.3.7 Nordics
- 10.4 Asia Pacific
  - 10.4.1 China
  - 10.4.2 India
  - 10.4.3 Japan
  - 10.4.4 Australia
  - 10.4.5 South Korea
  - 10.4.6 Southeast Asia
- 10.5 Latin America
  - 10.5.1 Brazil
  - 10.5.2 Mexico
  - 10.5.3 Argentina
- 10.6 MEA
  - 10.6.1 UAE
  - 10.6.2 South Africa
  - 10.6.3 Saudi Arabia

## Chapter 11 Company Profiles

- 11.1 American Axle & Manufacturing
- 11.2 Benteler
- 11.3 Bharat Forge
- 11.4 Bosch
- 11.5 Continental
- 11.6 Dana Incorporated
- 11.7 GKN Automotive
- 11.8 Hitachi Astemo
- 11.9 Hyundai Mobis
- 11.10 KYB Corporation
- 11.11 Linamar
- 11.12 Magna International
- 11.13 Mando Corporation
- 11.14 MAT Foundry
- 11.15 Nexteer Automotive
- 11.16 SMW Automotive
- 11.17 Superior Industries
- 11.18 Teksid
- 11.19 Thyssenkrupp
- 11.20 ZF Friedrichshafen

□

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## Automotive Steering Knuckle Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 to 2034

Market Report | 2024-11-26 | 175 pages | Global Market Insights

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

### ORDER FORM:

Select license	License	Price
	Single User	\$4850.00
	Multi User	\$6050.00
	Enterprise User	\$8350.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ \*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-12"/>
		Signature	

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)  
[www.scotts-international.com](http://www.scotts-international.com)