

# Global Automotive Differential Gear Market Size Study, by Channel (Aftermarket, OEM), by Vehicle Type (Passenger Cars, Commercial Vehicles), and Regional Forecasts 2022-2032

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## Abstracts

Global Automotive Differential Gear Market is valued at approximately USD 25.69 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 4.36% over the forecast period 2024-2032. An automotive differential gear is a crucial component in vehicles, allowing power from the engine to be transmitted to the driving wheels while enabling them to rotate at different speeds. This capability is essential for vehicles to navigate corners effectively, without causing wheel slippage. The market is influenced by the rising sales of SUVs, growing consumer preference for all-wheel drive (AWD) and front-wheel drive (FWD) vehicles, and increasing demand for luxury vehicles. These trends reflect shifting consumer preferences towards larger, more versatile vehicles with enhanced performance and comfort features.

The growing popularity of SUVs has significantly contributed to the market growth. In the 2021 fiscal year, SUVs accounted for about 45% of global vehicle sales, which is approximately 35 million units more than in 2020. The increased demand for SUVs is driven by factors such as the introduction of compact and mini-SUVs, decreased costs, improved comfort, and higher safety standards in new-generation SUVs. These vehicles require differential gears that ensure adequate power distribution to each wheel, enhancing their performance and safety. Consequently, manufacturers are focusing on developing advanced differential gears tailored to the specific requirements of different SUV models.

The development of hub motors is a notable trend propelling market growth. Hub motors are advanced solutions for powering electric vehicles (EVs). These motors are

directly installed in the vehicle wheels, eliminating the need for traditional power transmission components like gearboxes and differentials, thus reducing vehicle weight and enhancing efficiency. While hub motors are not yet widely adopted, several manufacturers, such as Protean Electric and GM, are working on their development. This innovation is expected to create significant growth opportunities for the automotive differential gear market in the coming years.

The market is facing challenges related to product recalls, which can hamper growth. For instance, Volkswagen AG recalled Atlas SUVs in the US and Canada in March 2022 due to issues with airbags, windows, brakes, and other components. Such recalls, often caused by excessive wear or malfunction of differential gears, lead to high repair costs and impact the financial stability of involved parties. Despite these challenges, the market is expected to grow, driven by advancements in technology and increasing demand for efficient and reliable differential gears.

The key regions considered for the global Automotive Differential Gear Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is a dominating region in the Automotive Differential Gear Market in terms of revenue. The market growth in the region is being attributed to factors including improved and stabilized socioeconomic conditions, particularly in countries like the United States and Canada. The large consumer base, increasing per capita income, and ease of availing auto financing services have fueled the demand for passenger and commercial vehicles. Additionally, the rising demand for e-commerce logistics, expansive construction sector, and expanding mining industry are major factors driving the demand for commercial vehicles in the region. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period fueled by rapid expansion of the automotive industry, particularly in countries like China and India. Increasing urbanization, rising disposable incomes, and a growing middle class are fueling demand for personal vehicles. Additionally, the region's focus on infrastructure development and industrialization is boosting the commercial vehicle segment, further driving the need for differential gears.

Major market players included in this report are:

American Axle and Manufacturing Holdings Inc.

AmTech International

Bharat Gears Ltd.

Circle Gear and Machine Company Inc.

Dana Inc.

Eaton Corp. Plc

FA.TA. Ricambi S.p.A.

Gear Motions Inc.

GKN Sinter Metals Engineering GmbH

Hitachi Ltd.

Linamar Corp.

Neapco Holdings LLC

NSK Ltd.

Perfect Gears Pvt. Ltd.

Polaris Inc.

The detailed segments and sub-segment of the market are explained below:

By Channel:

Aftermarket

OEM

By Vehicle Type:

Passenger Cars

Commercial Vehicles

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

ROE

Asia Pacific:

China

India

Japan

Australia

South Korea

RoAPAC

**Latin America:**

Brazil

Mexico

RoLA

**Middle East & Africa:**

Saudi Arabia

South Africa

RoMEA

**Years considered for the study are as follows:**

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

**Key Takeaways:**

Market Estimates &amp; Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

## Contents

### **CHAPTER 1. GLOBAL AUTOMOTIVE DIFFERENTIAL GEAR MARKET EXECUTIVE SUMMARY**

- 1.1. Global Automotive Differential Gear Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. By Channel
  - 1.3.2. By Vehicle Type
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

### **CHAPTER 2. GLOBAL AUTOMOTIVE DIFFERENTIAL GEAR MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
  - 2.3.3. Supply Side Analysis
    - 2.3.3.1. Availability
    - 2.3.3.2. Infrastructure
    - 2.3.3.3. Regulatory Environment
    - 2.3.3.4. Market Competition
    - 2.3.3.5. Economic Viability (Consumer's Perspective)
  - 2.3.4. Demand Side Analysis
    - 2.3.4.1. Regulatory frameworks
    - 2.3.4.2. Technological Advancements
    - 2.3.4.3. Environmental Considerations
    - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

### **CHAPTER 3. GLOBAL AUTOMOTIVE DIFFERENTIAL GEAR MARKET DYNAMICS**

- 3.1. Market Drivers
  - 3.1.1. Increasing Sales of SUVs
  - 3.1.2. Consumer Preference for AWD and FWD Vehicles
  - 3.1.3. Rising Demand for Luxury Vehicles
- 3.2. Market Challenges
  - 3.2.1. Product Recalls
  - 3.2.2. High R&D Costs
- 3.3. Market Opportunities
  - 3.3.1. Development of Hub Motors
  - 3.3.2. Technological Advancements

## **CHAPTER 4. GLOBAL AUTOMOTIVE DIFFERENTIAL GEAR MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model
  - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
  - 4.2.5. Environmental
  - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL AUTOMOTIVE DIFFERENTIAL GEAR MARKET SIZE & FORECASTS BY CHANNEL 2022-2032**

- 5.1. Segment Dashboard



## 5.2. Global Automotive Differential Gear Market: Channel Revenue Trend Analysis, 2022 & 2032 (USD Billion)

- 5.2.1. Aftermarket
- 5.2.2. OEM

## **CHAPTER 6. GLOBAL AUTOMOTIVE DIFFERENTIAL GEAR MARKET SIZE & FORECASTS BY VEHICLE TYPE 2022-2032**

### 6.1. Segment Dashboard

## 6.2. Global Automotive Differential Gear Market: Vehicle Type Revenue Trend Analysis, 2022 & 2032 (USD Billion)

- 6.2.1. Passenger Cars
- 6.2.2. Commercial Vehicles

## **CHAPTER 7. GLOBAL AUTOMOTIVE DIFFERENTIAL GEAR MARKET SIZE & FORECASTS BY REGION 2022-2032**

### 7.1. North America Automotive Differential Gear Market

- 7.1.1. U.S. Automotive Differential Gear Market
  - 7.1.1.1. Channel breakdown size & forecasts, 2022-2032
  - 7.1.1.2. Vehicle Type breakdown size & forecasts, 2022-2032
- 7.1.2. Canada Automotive Differential Gear Market

### 7.2. Europe Automotive Differential Gear Market

- 7.2.1. U.K. Automotive Differential Gear Market
- 7.2.2. Germany Automotive Differential Gear Market
- 7.2.3. France Automotive Differential Gear Market
- 7.2.4. Spain Automotive Differential Gear Market
- 7.2.5. Italy Automotive Differential Gear Market
- 7.2.6. Rest of Europe Automotive Differential Gear Market

### 7.3. Asia-Pacific Automotive Differential Gear Market

- 7.3.1. China Automotive Differential Gear Market
- 7.3.2. India Automotive Differential Gear Market
- 7.3.3. Japan Automotive Differential Gear Market
- 7.3.4. Australia Automotive Differential Gear Market
- 7.3.5. South Korea Automotive Differential Gear Market
- 7.3.6. Rest of Asia Pacific Automotive Differential Gear Market

### 7.4. Latin America Automotive Differential Gear Market

- 7.4.1. Brazil Automotive Differential Gear Market
- 7.4.2. Mexico Automotive Differential Gear Market

- 7.4.3. Rest of Latin America Automotive Differential Gear Market
- 7.5. Middle East & Africa Automotive Differential Gear Market
  - 7.5.1. Saudi Arabia Automotive Differential Gear Market
  - 7.5.2. South Africa Automotive Differential Gear Market
  - 7.5.3. Rest of Middle East & Africa Automotive Differential Gear Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Key Company SWOT Analysis
  - 8.1.1. Company
  - 8.1.2. Company
  - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
  - 8.3.1. American Axle and Manufacturing Holdings Inc.
    - 8.3.1.1. Key Information
    - 8.3.1.2. Overview
    - 8.3.1.3. Financial (Subject to Data Availability)
    - 8.3.1.4. Product Summary
    - 8.3.1.5. Market Strategies
  - 8.3.2. AmTech International
  - 8.3.3. Bharat Gears Ltd.
  - 8.3.4. Circle Gear and Machine Company Inc.
  - 8.3.5. Dana Inc.
  - 8.3.6. Eaton Corp. Plc
  - 8.3.7. FA.TA. Ricambi S.p.A.
  - 8.3.8. Gear Motions Inc.
  - 8.3.9. GKN Sinter Metals Engineering GmbH
  - 8.3.10. Hitachi Ltd.
  - 8.3.11. Linamar Corp.
  - 8.3.12. Neapco Holdings LLC
  - 8.3.13. NSK Ltd.
  - 8.3.14. Perfect Gears Pvt. Ltd.
  - 8.3.15. Polaris Inc.

## **CHAPTER 9. RESEARCH PROCESS**

- 9.1. Research Process
  - 9.1.1. Data Mining

- 9.1.2. Analysis
- 9.1.3. Market Estimation
- 9.1.4. Validation
- 9.1.5. Publishing
- 9.2. Research Attributes

## List Of Tables

### LIST OF TABLES

- TABLE 1. Global Automotive Differential Gear market, report scope
- TABLE 2. Global Automotive Differential Gear market estimates & forecasts by Region 2022-2032 (USD Billion)
- TABLE 3. Global Automotive Differential Gear market estimates & forecasts by Channel 2022-2032 (USD Billion)
- TABLE 4. Global Automotive Differential Gear market estimates & forecasts by Vehicle Type 2022-2032 (USD Billion)
- TABLE 5. Global Automotive Differential Gear market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 6. Global Automotive Differential Gear market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 7. Global Automotive Differential Gear market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 8. Global Automotive Differential Gear market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 9. Global Automotive Differential Gear market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 10. Global Automotive Differential Gear market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 11. Global Automotive Differential Gear market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 12. Global Automotive Differential Gear market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 13. Global Automotive Differential Gear market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 14. Global Automotive Differential Gear market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 15. U.S. Automotive Differential Gear market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 16. U.S. Automotive Differential Gear market estimates & forecasts by segment 2022-2032 (USD Billion)
- TABLE 17. U.S. Automotive Differential Gear market estimates & forecasts by segment 2022-2032 (USD Billion)
- TABLE 18. Canada Automotive Differential Gear market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 19. Canada Automotive Differential Gear market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 20. Canada Automotive Differential Gear market estimates & forecasts by segment 2022-2032 (USD Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Automotive Differential Gear market, research methodology
- FIG 2. Global Automotive Differential Gear market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods.
- FIG 4. Global Automotive Differential Gear market, key trends 2023
- FIG 5. Global Automotive Differential Gear market, growth prospects 2022-2032
- FIG 6. Global Automotive Differential Gear market, porters 5 force model
- FIG 7. Global Automotive Differential Gear market, PESTEL analysis
- FIG 8. Global Automotive Differential Gear market, value chain analysis
- FIG 9. Global Automotive Differential Gear market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Global Automotive Differential Gear market by segment, 2022 & 2032 (USD Billion)
- FIG 11. Global Automotive Differential Gear market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Global Automotive Differential Gear market by segment, 2022 & 2032 (USD Billion)
- FIG 13. Global Automotive Differential Gear market by segment, 2022 & 2032 (USD Billion)
- FIG 14. Global Automotive Differential Gear market, regional snapshot 2022 & 2032
- FIG 15. North America Automotive Differential Gear market 2022 & 2032 (USD Billion)
- FIG 16. Europe Automotive Differential Gear market 2022 & 2032 (USD Billion)
- FIG 17. Asia pacific Automotive Differential Gear market 2022 & 2032 (USD Billion)
- FIG 18. Latin America Automotive Differential Gear market 2022 & 2032 (USD Billion)
- FIG 19. Middle East & Africa Automotive Differential Gear market 2022 & 2032 (USD Billion)
- FIG 20. Global Automotive Differential Gear market, company market share analysis (2023)

.....

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