

Automotive Security Fasteners Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product Type (Threaded Fasteners, Non-Threaded Fasteners), By Material Type (Plastic, Metal), By Application (Interior, Exterior, Electronics, Powertrain, Chassis, Wire Harnessing), By Region & Competition, 2020-2030F

<https://marketpublishers.com/r/A36014AB0018EN.html>

Date: June 2025

Pages: 183

Price: US\$ 4,500.00 (Single User License)

ID: A36014AB0018EN

Abstracts

Market Overview

Global Automotive Security Fasteners Market was valued at USD 30.2 Billion in 2024 and is projected to reach USD 46.12 Billion by 2030, growing at a CAGR of 4.43% during the forecast period. The rapid advancement of the automotive industry—driven by the growth of electric vehicles and the adoption of cutting-edge technologies—is significantly influencing the demand for specialized security fasteners. Electric vehicles require fasteners capable of securing battery assemblies and electronic components in high-voltage environments, necessitating precise engineering and material innovation. Concurrently, the automotive sector is transitioning toward lightweight materials like aluminum and composites to improve fuel efficiency and meet emissions standards. This shift demands corrosion-resistant, high-strength fasteners compatible with these modern materials. Additionally, the incorporation of smart technologies into vehicle design is driving the need for innovative fastening solutions that align with the safety, reliability, and real-time monitoring capabilities of connected vehicles. These combined developments are reshaping the security fasteners market, spurring continuous product innovation.

Key Market Drivers

Growth of Electric Mobility

The increasing adoption of electric vehicles globally is reshaping automotive design, especially regarding component safety and durability. Electric powertrains demand fastening solutions that securely mount battery systems and safeguard high-voltage components. These fasteners must endure vibration, temperature variation, and provide effective electrical insulation. As automakers shift towards sustainable mobility, the demand for specialized fasteners that uphold safety and structural integrity in EV architectures continues to rise. Manufacturers are investing in engineering robust fastening solutions that support the performance and reliability needs of next-generation electric vehicles.

Key Market Challenges

Volatility in Raw Material Prices

Fluctuating prices of essential raw materials such as stainless steel, aluminum, and engineered plastics pose a challenge for the automotive security fasteners market. These materials are vital for manufacturing high-performance fasteners, and their unpredictable cost dynamics can significantly impact production budgets and contract pricing strategies. Companies are required to adapt procurement models while ensuring consistent product quality and timely delivery. This volatility complicates long-term planning and puts pressure on maintaining competitiveness in a market driven by cost-efficiency and performance consistency.

Key Market Trends

Adoption of Smart Fasteners

The growing demand for vehicle connectivity and real-time diagnostics is driving the adoption of smart fasteners embedded with sensors. These fasteners monitor critical parameters such as torque, temperature, and vibration, enabling predictive maintenance and enhancing overall vehicle safety. Smart fasteners are particularly valuable in connected vehicles, where they support condition-based monitoring and data-driven performance analytics. Their role in reducing unexpected mechanical failures and improving system reliability makes them an integral part of the evolving automotive ecosystem, especially in safety-critical applications.

Key Market Players

Bossard Holding AG

Stanley Black & Decker, Inc.

KAMAX Holding GmbH & Co. KG

LISI Group

Illinois Tool Works Inc.

Sundram Fasteners Limited

Bulten AB

The Würth Group

Yazaki Corporation

Gestamp Automoci?n, S.A.

Report Scope:

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

Automotive Security Fasteners Market, By Product Type:

Threaded Fasteners

Non-Threaded Fasteners

Automotive Security Fasteners Market, By Material Type:

Plastic

Metal

Automotive Security Fasteners Market, By Application:

Interior

Exterior

Electronics

Powertrain

Chassis

Wire Harnessing

Automotive Security Fasteners Market, By Region:

North America

United States

Canada

Mexico

Europe & CIS

Germany

France

U.K.

Spain

Italy

Asia-Pacific

China

Japan

India

South Korea

Middle East & Africa

South Africa

Saudi Arabia

UAE

Turkey

South America

Brazil

Argentina

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the Global Automotive Security Fasteners Market.

Available Customizations:

Global Automotive Security Fasteners Market report with the given market data, TechSci Research offers customizations according to the company's specific needs.

Automotive Security Fasteners Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segment...

The following customization options are available for the report:

Company Information

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

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