

Global Aerospace Fasteners Market Size Study & Forecast, by Type (Rivets, Screws, and Bolts) by Material (Titanium, Aluminum) by Aircraft Type (Commercial Aircraft, Military Aircraft) and Regional Forecasts 2025-2035

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Abstracts

The Global Aerospace Fasteners Market is valued at approximately USD 8.44 billion in 2024 and is projected to grow at a CAGR of 6.47% over the forecast period 2025–2035. Aerospace fasteners, including rivets, screws, and bolts, play a critical role in ensuring structural integrity, safety, and reliability in aircraft. These components are indispensable in both commercial and military aviation, connecting airframe structures, securing engine components, and facilitating maintenance operations. Market growth is primarily driven by increasing air travel demand, rising aircraft production, and technological innovations in lightweight materials such as titanium and aluminum alloys, which enhance performance while reducing overall aircraft weight.

Rising global aircraft deliveries and fleet expansions have significantly accelerated the demand for aerospace fasteners. With commercial airlines upgrading existing fleets and military forces modernizing aircraft, the requirement for high-strength, corrosion-resistant fasteners has intensified. Advanced materials and precision manufacturing techniques are also enabling aerospace manufacturers to achieve superior durability and performance under extreme operating conditions. However, fluctuating raw material prices and supply chain disruptions could pose short-term challenges during the forecast period 2025–2035.

The detailed segments and sub-segments included in the report are:

By Type:

Rivets

Screws and Bolts

By Material:

Titanium

Aluminum

By Aircraft Type:

Commercial Aircraft

Military Aircraft

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

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Commercial aircraft applications are expected to dominate the aerospace fasteners market due to the consistently higher production volumes, fleet expansions, and

replacement requirements within civil aviation. The growth is further fueled by increasing passenger traffic, airline fleet modernization programs, and stringent regulatory compliance, which necessitate robust fastening solutions. Conversely, military aircraft, while lower in volume, demand specialized, high-performance fasteners capable of withstanding extreme environmental conditions, offering a lucrative opportunity for premium segment fasteners.

Titanium fasteners currently lead in revenue generation due to their high strength-to-weight ratio, corrosion resistance, and suitability for critical structural applications. These fasteners are extensively used in high-performance and military aircraft, whereas aluminum fasteners, being cost-effective and lightweight, continue to see widespread adoption in commercial aircraft applications. The market reflects a dual trend where titanium fasteners drive premium revenue growth while aluminum fasteners ensure broad market coverage.

North America holds the largest market share, driven by a mature aerospace industry, high aircraft production rates, and the presence of leading aerospace OEMs and suppliers. Europe shows steady growth supported by established manufacturing hubs and strong defense procurement programs. Asia Pacific is anticipated to be the fastest-growing region during 2025–2035, propelled by rapid industrialization, expansion of domestic airline fleets, and investments in both commercial and military aircraft production. Latin America and the Middle East & Africa are gradually increasing their adoption of advanced aerospace fasteners due to modernization initiatives and infrastructure development.

Major market players included in this report are:

Arconic Corporation

Alcoa Corporation

Stanley Black & Decker, Inc.

LISI Aerospace

Precision Castparts Corp.

Bulten AB

Avdel UK Ltd.

Bollhoff Group

PennEngineering

Alcoa Fastening Systems

Confast Inc.

Shenzhen Fastener Co., Ltd.

NHK Spring Co., Ltd.

Eaton Aerospace Fasteners

Kawasaki Heavy Industries

Global Aerospace Fasteners Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025-2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent to up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments and countries

in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. It also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the 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 the competitive structure of the market.

Demand side and supply side analysis of the market.

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