

# **Special Trailer Tire Market Forecasts to 2030 – Global Analysis By Trailer Type (Low Boy, Flatbed, Dry Van, Refrigerated and Tanker), Tire Type, Tread Design, Tire Size, Material, Load Capacity, Application and By Geography**

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## **Abstracts**

According to Statistics MRC, the Global Special Trailer Tire Market is accounted for \$4.8 billion in 2025 and is expected to reach \$8.02 billion by 2032 growing at a CAGR of 7.5% during the forecast period. Special trailer tires (ST tires) are purpose-built tires designed exclusively for use on trailers, including boat trailers, utility trailers, recreational vehicle (RV) trailers, and travel trailers. Unlike passenger car or light truck tires, special trailer tires are engineered to handle heavy load capacities, offering enhanced sidewall strength to withstand the lateral stress exerted during towing. They provide superior stability, reduced rolling resistance, and improved durability for safe and efficient trailer operation. Constructed with stiffer materials, these tires resist swaying and overheating, especially during long hauls.

According to the Rubber Manufacturers Association, retreaded tires can reduce tire waste by 50%, offering environmental and economic benefits.

Market Dynamics:

Driver:

Technological advancements in tire manufacturing

Technological advancements in tire manufacturing are significantly propelling the growth of the special trailer tire market. Innovations such as enhanced tread designs,

reinforced sidewalls, and heat-resistant compounds are improving tire performance and durability. The introduction of smart tire technologies, including sensors for monitoring tire pressure and temperature, is further enhancing operational efficiency. Increasing demand for high-performance trailers used in logistics and recreation is encouraging tire manufacturers to invest heavily in R&D. Consequently, technological innovation remains a key driving force shaping the market landscape.

#### Restraint:

##### Limited lifespan under heavy loads

The limited lifespan of special trailer tires under heavy load conditions is a major concern for end-users. Constant exposure to heavy towing stresses accelerates tire wear and increases the frequency of replacements. Despite improvements in material technology, many special trailer tires still struggle with sidewall fatigue and tread separation under maximum loads. In regions with rough terrains and extreme weather, the problem of shortened tire life becomes even more pronounced. As a result, durability issues act as a critical restraint hampering the full market potential.

#### Opportunity:

##### Development of eco-friendly tires

The growing emphasis on sustainability has created strong opportunities for the development of eco-friendly special trailer tires. Manufacturers are increasingly focusing on using bio-based materials and low rolling resistance technologies to reduce carbon emissions. The demand for recyclable and energy-efficient tires is gaining traction among environmentally conscious consumers. Additionally, regulations promoting green transportation practices are encouraging OEMs and aftermarket players to innovate eco-friendly tire solutions. Partnerships between tire manufacturers and trailer OEMs for sustainable product development are further boosting market prospects.

#### Threat:

##### Economic slowdowns impacting freight demand

Economic downturns and freight sector slowdowns pose a significant threat to the special trailer tire market. Reduced transportation activity directly impacts the demand for trailers and their related components, including tires. During periods of economic

uncertainty, businesses and individuals are less likely to invest in new trailers or replace existing tires. The aftermarket demand also tends to decline as users extend the service life of existing tires. Fluctuations in disposable income and rising inflation can further curb consumer spending on recreational trailers.

#### Covid-19 Impact:

The COVID-19 pandemic initially disrupted the special trailer tire market through supply chain breakdowns and decreased trailer usage. Lockdowns led to a sharp decline in freight movement and recreational activities, thereby reducing tire replacement rates. There was also a notable rise in demand for personal trailers and RVs as travel preferences shifted toward road trips. Manufacturers responded by strengthening local supply chains and accelerating digital sales channels. Post-pandemic, the market has witnessed renewed momentum driven by changing consumer mobility trends.

The low boy segment is expected to be the largest during the forecast period

The low boy segment is expected to account for the largest market share during the forecast period, driven by its critical role in transporting heavy equipment and machinery. Their ability to handle oversized loads efficiently has made low boy trailers highly preferred across construction and industrial sectors. As infrastructure projects grow worldwide, the demand for specialized tires for low boy trailers is simultaneously increasing. Tire manufacturers are developing more durable and load-resistant tires specifically tailored for this trailer type. The need for higher stability and safety during transport has reinforced the dominance of the low boy segment. Hence, this segment will continue leading the market in volume and value terms.

The radial segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the radial segment is predicted to witness the highest growth rate due to its superior performance characteristics. Radial tires offer better heat dissipation, longer tread life, and improved fuel efficiency compared to bias-ply tires. These benefits have made them increasingly popular among commercial fleets and recreational trailer owners alike. The rising awareness regarding lifecycle costs and performance optimization is encouraging the shift toward radial tire adoption. Manufacturers are introducing advanced radial models specifically designed to endure trailer-specific stress conditions.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share due to rapid industrialization and expansion of logistics networks across China, India, and Southeast Asia are key growth drivers. Increased investments in infrastructure and transportation projects are boosting trailer production and tire demand. Furthermore, rising recreational activities, including caravan tourism, are creating additional demand for trailer tires. Competitive pricing strategies and the presence of leading manufacturers further strengthen the region's leadership.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, driven by a strong culture of RV ownership, recreational travel, and a well-established logistics industry. Increased adoption of premium trailer tires, coupled with consumer preference for high-performance products, supports market expansion. Moreover, regulatory standards around trailer safety are pushing demand for higher-quality, durable tires. The penetration of advanced radial tires is also gaining momentum across the U.S. and Canada. Thus, North America will emerge as the fastest-growing region in the global market landscape.

Key players in the market

Some of the key players in Special Trailer Tire Market include Michelin, Bridgestone, Titan International, Pirelli, Trelleborg, AGT, BKT, Mitas, Sumitomo, Nokian, Harvest King, J.K. Tyre, Carlisle, Specialty Tires and Delta.

Key Developments:

In March 2025, Titan International unveiled the Goodyear Farm Utility Trailer Tire, optimized for mixed-surface agricultural trailers, with 25% greater puncture resistance for enhanced durability.

In March 2025, Trelleborg released the TM1500 Trailer Pro, a high-load-capacity tire for heavy-duty agricultural trailers, featuring a reinforced sidewall for 30% better stability under load.

In January 2025, Michelin launched the X Line Energy T2, a next-generation trailer tire designed for long-haul trailers, offering 15% improved fuel efficiency and enhanced tread life for heavy-duty applications.

**Trailer Types Covered:**

Low Boy

Flatbed

Dry Van

Refrigerated

Tanker

**Tire Types Covered:**

Radial

Bias

**Tread Designs Covered:**

Highway Tread

All-Terrain Tread

Mud &amp; Snow Tread

Specialized Tread Patterns

**Tire Sizes Covered:**

Up To 18T.5 Inches

18.6 – 22.5 Inches

More Than 22.5 Inches

**Materials Covered:**

Rubber Compound

Reinforcing Material

Other Materials

**Load Capacities Covered:**

Light-Duty Tires

Medium-Duty Tires

Heavy-Duty Tires

**Applications Covered:**

Utility Trailers

Recreational Trailers

Commercial Trailers

Boat Trailers

Horse Trailers

Other Applications

**Regions Covered:**

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

#### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

#### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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