

# **Steel Rebar Market Forecasts to 2032 – Global Analysis By Product (Mild Steel Rebar, Deformed Steel Rebar, Carbon Steel Rebar, Stainless Steel Rebar, Galvanized Steel Rebar, Welded Wire Fabric (WWF) Rebar, And Other Products), Process, Material, Coating Type, End User and By Geography**

<https://marketpublishers.com/r/SA266AC8FC07EN.html>

Date: May 2025

Pages: 150

Price: US\$ 4,150.00 (Single User License)

ID: SA266AC8FC07EN

## **Abstracts**

According to Statistics MRC, the Global Steel Rebar Market is accounted for \$270.4 billion in 2025 and is expected to reach \$417.4 billion by 2032 growing at a CAGR of 6.4% during the forecast period. Steel Rebar (reinforcing bar) is a ribbed steel rod used to strengthen concrete structures, providing tensile resistance in construction. Essential for foundations, bridges, and high-rises, it prevents cracking under load. Rebar is typically made from carbon steel and coated for corrosion resistance in harsh environments. Its use ensures structural integrity, seismic resilience, and longevity in modern infrastructure, making it indispensable in civil engineering and large-scale development projects.

According to the U.S. Census Bureau, the growth of construction spending in the country is registering growth every year. For instance, on a year-over-year basis, U.S. construction spending rose by 6.4% in 2023.

Market Dynamics:

Driver:

Seismic reinforcement requirements

Increasing seismic activity and stricter building codes are driving demand for steel rebar in construction. Steel rebar enhances structural integrity in earthquake-prone regions. Government regulations mandating seismic reinforcement boost market growth. The rise in infrastructure projects, like bridges and dams, fuels rebar demand. Innovations in rebar design improve strength and corrosion resistance. The focus on disaster-resilient buildings supports market expansion. These requirements are propelling the steel rebar market forward.

Restraint:

Competition from alternative materials

Alternative materials, such as fiber-reinforced polymers and basalt rebar, compete with steel rebar in construction. These materials offer corrosion resistance and lighter weight, attracting cost-conscious projects. Advances in composite materials challenge steel rebar's market share. High maintenance costs for steel in corrosive environments deter adoption. Lack of awareness about steel rebar's durability limits growth. The shift toward sustainable materials in construction restricts scalability. This competition poses a challenge to market expansion.

Opportunity:

Prefabricated construction growth

The rise in prefabricated construction is creating demand for steel rebar in modular building systems. Prefabrication reduces construction time and costs, boosting rebar use. Government support for affordable housing drives prefabricated projects. Partnerships with prefab manufacturers foster product innovation. The trend toward sustainable construction enhances rebar's appeal in modular designs. The growing urban population supports market opportunities.

Threat:

Substitute materials

Substitute materials, like glass fiber and carbon fiber composites, threaten steel rebar's dominance in construction. These materials offer superior corrosion resistance, appealing to coastal and humid regions. Lower maintenance costs of substitutes attract budget-conscious projects. Advances in substitute material technologies improve

performance. Lack of standardized testing for new materials complicates adoption. The shift toward lightweight construction materials reduces reliance on steel.

#### Covid-19 Impact:

The COVID-19 pandemic halted construction activities, reducing demand for steel rebar. Supply chain disruptions delayed raw material deliveries, impacting production. However, the recovery of infrastructure projects boosted rebar demand. Labor shortages and logistics challenges hindered manufacturing. Rising steel prices during the crisis affected affordability. The pandemic highlighted the need for resilient infrastructure, driving recovery. Post-pandemic growth in construction is expected to fuel market expansion.

The mild steel rebar segment is expected to be the largest during the forecast period

The mild steel rebar segment is expected to account for the largest market share during the forecast period propelled by its cost-effectiveness and widespread use in residential construction. Mild steel offers sufficient strength for non-seismic applications, driving adoption. Advances in manufacturing ensure consistent quality and supply. The rise in affordable housing projects supports segment growth. Regulatory approvals for mild steel ensure market trust. The versatility of mild steel in various structures strengthens market share.

The electric arc furnace segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the electric arc furnace segment is predicted to witness the highest growth rate driven by its eco-friendly and efficient production of steel rebar. Electric arc furnaces reduce carbon emissions, aligning with sustainability goals. The rise in recycled steel use fuels segment expansion. Innovations in furnace technology improve energy efficiency. Partnerships with steel recyclers drive production scalability. The focus on green construction supports growth. The trend of circular economy practices propels this segment's expansion.

#### Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share owing to its massive construction sector in countries like China and India. High infrastructure investments drive rebar demand. Government support for urbanization

strengthens market growth. The presence of key steel manufacturers enhances regional dominance. Rising population fuels housing and infrastructure needs. The focus on seismic reinforcement supports adoption.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR fueled by strong demand for seismic-resistant infrastructure. The region's advanced construction ecosystem drives innovation in rebar production. Regulatory support for disaster-resilient buildings boosts adoption. The presence of leading steel firms fosters market growth. Growing awareness of sustainable construction supports expansion. Investments in infrastructure modernization drive product demand. The trend of prefabricated construction accelerates growth.

Key players in the market

Some of the key players in Steel Rebar Market include Acerinox S.A., ArcelorMittal, Commercial Metals Company, Daido Steel Co. Ltd., Gerdau S/A, HBIS Group, Jiangsu Shagang Group, JSW, NIPPON STEEL CORPORATION, NLMK, Nucor, POSCO HOLDINGS INC., SAIL, Steel Dynamics, Inc., and Tata Steel.

Key Developments:

In April 2025, ArcelorMittal commissioned its hydrogen-powered rebar mill in Spain, cutting CO<sub>2</sub> emissions by 90% while producing 500K tons/year of low-carbon reinforcement steel.

In March 2025, Nippon Steel launched corrosion-resistant epoxy-coated rebar with 100-year lifespan for seawalls, using nanotechnology to prevent saltwater degradation in coastal infrastructure.

In February 2025, Tata Steel deployed AI-based quality control systems at its Indian plants, reducing rebar diameter tolerances to  $\pm 0.2$ mm for high-rise seismic-safe construction.

Product Covered:

Mild Steel Rebar

Deformed Steel Rebar

Carbon Steel Rebar

Stainless Steel Rebar

Galvanized Steel Rebar

Welded Wire Fabric (WWF) Rebar

Other Products

#### Processes Covered:

Basic Oxygen Steelmaking

Electric Arc Furnace

#### Materials Covered:

Bar (Small)

Bar (Large)

Wire

Coil

Other Materials

#### Coating Types Covered:

Plain Carbon Steel Rebar

Galvanized Steel Rebar

## Epoxy Coated Steel Rebar

### End Users Covered:

Construction

Infrastructure

Oil & Gas

Manufacturing

Agriculture

Other End Users

### 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

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Product Analysis
- 3.7 End User Analysis
- 3.8 Emerging Markets
- 3.9 Impact of Covid-19

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

## **5 GLOBAL STEEL REBAR MARKET, BY PRODUCT**

- 5.1 Introduction
- 5.2 Mild Steel Rebar
- 5.3 Deformed Steel Rebar
- 5.4 Carbon Steel Rebar
- 5.5 Stainless Steel Rebar
- 5.6 Galvanized Steel Rebar
- 5.7 Welded Wire Fabric (WWF) Rebar
- 5.8 Other Products

## **6 GLOBAL STEEL REBAR MARKET, BY PROCESS**

- 6.1 Introduction
- 6.2 Basic Oxygen Steelmaking
- 6.3 Electric Arc Furnace

## **7 GLOBAL STEEL REBAR MARKET, BY MATERIAL**

- 7.1 Introduction
- 7.2 Bar (Small)
- 7.3 Bar (Large)
- 7.4 Wire
- 7.5 Coil
- 7.6 Other Materials

## **8 GLOBAL STEEL REBAR MARKET, BY COATING TYPE**

- 8.1 Introduction
- 8.2 Plain Carbon Steel Rebar
- 8.3 Galvanized Steel Rebar
- 8.4 Epoxy Coated Steel Rebar

## **9 GLOBAL STEEL REBAR MARKET, BY END USER**

- 9.1 Introduction
- 9.2 Construction
- 9.3 Infrastructure
- 9.4 Oil & Gas

- 9.5 Manufacturing
- 9.6 Agriculture
- 9.7 Other End Users

## **10 GLOBAL STEEL REBAR MARKET, BY GEOGRAPHY**

- 10.1 Introduction
- 10.2 North America
  - 10.2.1 US
  - 10.2.2 Canada
  - 10.2.3 Mexico
- 10.3 Europe
  - 10.3.1 Germany
  - 10.3.2 UK
  - 10.3.3 Italy
  - 10.3.4 France
  - 10.3.5 Spain
  - 10.3.6 Rest of Europe
- 10.4 Asia Pacific
  - 10.4.1 Japan
  - 10.4.2 China
  - 10.4.3 India
  - 10.4.4 Australia
  - 10.4.5 New Zealand
  - 10.4.6 South Korea
  - 10.4.7 Rest of Asia Pacific
- 10.5 South America
  - 10.5.1 Argentina
  - 10.5.2 Brazil
  - 10.5.3 Chile
  - 10.5.4 Rest of South America
- 10.6 Middle East & Africa
  - 10.6.1 Saudi Arabia
  - 10.6.2 UAE
  - 10.6.3 Qatar
  - 10.6.4 South Africa
  - 10.6.5 Rest of Middle East & Africa

## **11 KEY DEVELOPMENTS**

- 11.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 11.2 Acquisitions & Mergers
- 11.3 New Product Launch
- 11.4 Expansions
- 11.5 Other Key Strategies

## **12 COMPANY PROFILING**

- 12.1 Acerinox S.A
- 12.2 ArcelorMittal
- 12.3 Commercial Metals Company
- 12.4 Daido Steel Co Ltd
- 12.5 Gerdau S/A
- 12.6 HBIS Group
- 12.7 Jiangsu Shagang Group
- 12.8 JSW
- 12.9 NIPPON STEEL CORPORATION
- 12.10 NLMK
- 12.11 Nucor
- 12.12 POSCO HOLDINGS INC.
- 12.13 SAIL
- 12.14 Steel Dynamics, Inc
- 12.15 Tata Steel

## List Of Tables

### LIST OF TABLES

- 1 Global Steel Rebar Market Outlook, By Region (2024-2032) (\$MN)
- 2 Global Steel Rebar Market Outlook, By Product (2024-2032) (\$MN)
- 3 Global Steel Rebar Market Outlook, By Mild Steel Rebar (2024-2032) (\$MN)
- 4 Global Steel Rebar Market Outlook, By Deformed Steel Rebar (2024-2032) (\$MN)
- 5 Global Steel Rebar Market Outlook, By Carbon Steel Rebar (2024-2032) (\$MN)
- 6 Global Steel Rebar Market Outlook, By Stainless Steel Rebar (2024-2032) (\$MN)
- 7 Global Steel Rebar Market Outlook, By Galvanized Steel Rebar (2024-2032) (\$MN)
- 8 Global Steel Rebar Market Outlook, By Welded Wire Fabric (WWF) Rebar (2024-2032) (\$MN)
- 9 Global Steel Rebar Market Outlook, By Other Products (2024-2032) (\$MN)
- 10 Global Steel Rebar Market Outlook, By Process (2024-2032) (\$MN)
- 11 Global Steel Rebar Market Outlook, By Basic Oxygen Steelmaking (2024-2032) (\$MN)
- 12 Global Steel Rebar Market Outlook, By Electric Arc Furnace (2024-2032) (\$MN)
- 13 Global Steel Rebar Market Outlook, By Material (2024-2032) (\$MN)
- 14 Global Steel Rebar Market Outlook, By Bar (Small) (2024-2032) (\$MN)
- 15 Global Steel Rebar Market Outlook, By Bar (Large) (2024-2032) (\$MN)
- 16 Global Steel Rebar Market Outlook, By Wire (2024-2032) (\$MN)
- 17 Global Steel Rebar Market Outlook, By Coil (2024-2032) (\$MN)
- 18 Global Steel Rebar Market Outlook, By Other Materials (2024-2032) (\$MN)
- 19 Global Steel Rebar Market Outlook, By Coating Type (2024-2032) (\$MN)
- 20 Global Steel Rebar Market Outlook, By Plain Carbon Steel Rebar (2024-2032) (\$MN)
- 21 Global Steel Rebar Market Outlook, By Galvanized Steel Rebar (2024-2032) (\$MN)
- 22 Global Steel Rebar Market Outlook, By Epoxy Coated Steel Rebar (2024-2032) (\$MN)
- 23 Global Steel Rebar Market Outlook, By End User (2024-2032) (\$MN)
- 24 Global Steel Rebar Market Outlook, By Construction (2024-2032) (\$MN)
- 25 Global Steel Rebar Market Outlook, By Infrastructure (2024-2032) (\$MN)
- 26 Global Steel Rebar Market Outlook, By Oil & Gas (2024-2032) (\$MN)
- 27 Global Steel Rebar Market Outlook, By Manufacturing (2024-2032) (\$MN)
- 28 Global Steel Rebar Market Outlook, By Agriculture (2024-2032) (\$MN)
- 29 Global Steel Rebar Market Outlook, By Other End Users (2024-2032) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East &

Africa Regions are also represented in the same manner as above.



## I would like to order

Product name: Steel Rebar Market Forecasts to 2032 – Global Analysis By Product (Mild Steel Rebar, Deformed Steel Rebar, Carbon Steel Rebar, Stainless Steel Rebar, Galvanized Steel Rebar, Welded Wire Fabric (WWF) Rebar, And Other Products), Process, Material, Coating Type, End User and By Geography

Product link: <https://marketpublishers.com/r/SA266AC8FC07EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/SA266AC8FC07EN.html>