

Global Carbon Steel Round Bars Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Carbon Steel Round Bars market size was valued at US\$ 100323 million in 2025 and is forecast to a readjusted size of US\$ 129580 million by 2032 with a CAGR of 3.7% during review period.

In 2025, global Carbon Steel Round Bar output reached about 130 million tons and global capacity of around 140 million tons. The average price is about USD 750 per ton, with gross margins near 15%. Carbon Steel Round Bars are solid cylindrical steel products manufactured from carbon steel with varying carbon content (typically low-, medium-, or high-carbon grades) and standardized diameters, offering a balance of strength, machinability, weldability, and cost-effectiveness for structural and engineering applications. They are widely used in construction, machinery, automotive components, industrial equipment, fasteners, shafts, forgings, and general fabrication. The supply chain begins with upstream raw materials, including iron ore, metallurgical coal (or scrap steel for electric arc furnace production), limestone, and alloying elements such as manganese and silicon. These materials are converted into molten steel through blast furnace-basic oxygen furnace (BF-BOF) or electric arc furnace (EAF) processes, followed by secondary refining, continuous casting into billets, and hot rolling or hot forging into round bars. Depending on end-use requirements, the bars may undergo heat treatment, peeling, turning, grinding, cold drawing, or surface finishing before quality inspection, testing, and certification. The finished products are then distributed through steel mills, service centers, stockholders, distributors, and processors to downstream industries including construction, automotive, industrial machinery, energy, agriculture, mining, shipbuilding, rail transportation, and general manufacturing.

The Carbon Steel Round Bars market is growing steadily due to increasing demand from infrastructure development, industrial manufacturing, and transportation sectors worldwide. Rising investments in residential and commercial construction, bridges, railways, and energy infrastructure continue to drive consumption of structural and reinforcement-grade round bars. Growth in automotive, heavy machinery, agricultural equipment, mining equipment, and industrial machinery manufacturing is supporting demand for high-strength and precision-machined round bars used in shafts, axles, fasteners, gears, and forged components. The expansion of renewable energy projects, including wind power, hydropower, and transmission infrastructure, is further boosting demand for carbon steel bar products. Additionally, increased adoption of electric arc furnace (EAF) steelmaking, greater use of recycled steel, improved rolling and heat-treatment technologies, and the development of higher-strength and cleaner steel grades are enhancing production efficiency and sustainability. Continued industrialization in emerging economies, expansion of steel processing and fabrication industries, and ongoing replacement and maintenance of aging infrastructure are expected to remain the primary long-term growth drivers for the global Carbon Steel Round Bars market.

This report is a detailed and comprehensive analysis for global Carbon Steel Round Bars market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Carbon Steel Round Bars market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Carbon Steel Round Bars market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Carbon Steel Round Bars market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Carbon Steel Round Bars market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Carbon Steel Round Bars

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Carbon Steel Round Bars market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Baowu Steel, ArcelorMittal, Ansteel Group, Nippon Steel, HBIS Group, Shagang Group, POSCO, Jianlong Group, Shougang Group, Tata Steel, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Carbon Steel Round Bars market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Hot Rolled Round Bars

Cold Drawn Round Bars

Market segment by Diameter

200 mm

Market segment by Carbon Content

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Carbon Steel Round Bars Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Hot Rolled Round Bars

1.3.3 Cold Drawn Round Bars

1.4 Market Analysis by Diameter

1.4.1 Overview: Global Carbon Steel Round Bars Consumption Value by Diameter: 2021 Versus 2025 Versus 2032

1.4.2 200 mm

1.5 Market Analysis by Carbon Content

1.5.1 Overview: Global Carbon Steel Round Bars Consumption Value by Carbon Content: 2021 Versus 2025 Versus 2032

1.5.2

List Of Tables

LIST OF TABLES

Table 1. Global Carbon Steel Round Bars Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Carbon Steel Round Bars Consumption Value by Diameter, (USD Million), 2021 & 2025 & 2032

Table 3. Global Carbon Steel Round Bars Consumption Value by Carbon Content, (USD Million), 2021 & 2025 & 2032

Table 4. Global Carbon Steel Round Bars Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Baowu Steel Basic Information, Manufacturing Base and Competitors

Table 6. Baowu Steel Major Business

Table 7. Baowu Steel Carbon Steel Round Bars Product and Services

Table 8. Baowu Steel Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Baowu Steel Recent Developments/Updates

Table 10. ArcelorMittal Basic Information, Manufacturing Base and Competitors

Table 11. ArcelorMittal Major Business

Table 12. ArcelorMittal Carbon Steel Round Bars Product and Services

Table 13. ArcelorMittal Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. ArcelorMittal Recent Developments/Updates

Table 15. Ansteel Group Basic Information, Manufacturing Base and Competitors

Table 16. Ansteel Group Major Business

Table 17. Ansteel Group Carbon Steel Round Bars Product and Services

Table 18. Ansteel Group Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Ansteel Group Recent Developments/Updates

Table 20. Nippon Steel Basic Information, Manufacturing Base and Competitors

Table 21. Nippon Steel Major Business

Table 22. Nippon Steel Carbon Steel Round Bars Product and Services

Table 23. Nippon Steel Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Nippon Steel Recent Developments/Updates

Table 25. HBIS Group Basic Information, Manufacturing Base and Competitors

Table 26. HBIS Group Major Business

Table 27. HBIS Group Carbon Steel Round Bars Product and Services

Table 28. HBIS Group Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 29. HBIS Group Recent Developments/Updates
Table 30. Shagang Group Basic Information, Manufacturing Base and Competitors
Table 31. Shagang Group Major Business
Table 32. Shagang Group Carbon Steel Round Bars Product and Services
Table 33. Shagang Group Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 34. Shagang Group Recent Developments/Updates
Table 35. POSCO Basic Information, Manufacturing Base and Competitors
Table 36. POSCO Major Business
Table 37. POSCO Carbon Steel Round Bars Product and Services
Table 38. POSCO Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 39. POSCO Recent Developments/Updates
Table 40. Jianlong Group Basic Information, Manufacturing Base and Competitors
Table 41. Jianlong Group Major Business
Table 42. Jianlong Group Carbon Steel Round Bars Product and Services
Table 43. Jianlong Group Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 44. Jianlong Group Recent Developments/Updates
Table 45. Shougang Group Basic Information, Manufacturing Base and Competitors
Table 46. Shougang Group Major Business
Table 47. Shougang Group Carbon Steel Round Bars Product and Services
Table 48. Shougang Group Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 49. Shougang Group Recent Developments/Updates
Table 50. Tata Steel Basic Information, Manufacturing Base and Competitors
Table 51. Tata Steel Major Business
Table 52. Tata Steel Carbon Steel Round Bars Product and Services
Table 53. Tata Steel Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 54. Tata Steel Recent Developments/Updates
Table 55. JSW Steel Basic Information, Manufacturing Base and Competitors
Table 56. JSW Steel Major Business
Table 57. JSW Steel Carbon Steel Round Bars Product and Services
Table 58. JSW Steel Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 59. JSW Steel Recent Developments/Updates
Table 60. JFE Steel Basic Information, Manufacturing Base and Competitors
Table 61. JFE Steel Major Business
Table 62. JFE Steel Carbon Steel Round Bars Product and Services
Table 63. JFE Steel Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 64. JFE Steel Recent Developments/Updates
Table 65. Hunan Iron & Steel Basic Information, Manufacturing Base and Competitors
Table 66. Hunan Iron & Steel Major Business
Table 67. Hunan Iron & Steel Carbon Steel Round Bars Product and Services
Table 68. Hunan Iron & Steel Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 69. Hunan Iron & Steel Recent Developments/Updates
Table 70. Nucor Basic Information, Manufacturing Base and Competitors
Table 71. Nucor Major Business
Table 72. Nucor Carbon Steel Round Bars Product and Services
Table 73. Nucor Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 74. Nucor Recent Developments/Updates
Table 75. Hyundai Steel Basic Information, Manufacturing Base and Competitors
Table 76. Hyundai Steel Major Business
Table 77. Hyundai Steel Carbon Steel Round Bars Product and Services
Table 78. Hyundai Steel Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 79. Hyundai Steel Recent Developments/Updates
Table 80. Cleveland-Cliffs Basic Information, Manufacturing Base and Competitors
Table 81. Cleveland-Cliffs Major Business
Table 82. Cleveland-Cliffs Carbon Steel Round Bars Product and Services
Table 83. Cleveland-Cliffs Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 84. Cleveland-Cliffs Recent Developments/Updates
Table 85. Gerdau Basic Information, Manufacturing Base and Competitors
Table 86. Gerdau Major Business
Table 87. Gerdau Carbon Steel Round Bars Product and Services
Table 88. Gerdau Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 89. Gerdau Recent Developments/Updates
Table 90. SAIL Basic Information, Manufacturing Base and Competitors

Table 91. SAIL Major Business
Table 92. SAIL Carbon Steel Round Bars Product and Services
Table 93. SAIL Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 94. SAIL Recent Developments/Updates
Table 95. Severstal Basic Information, Manufacturing Base and Competitors
Table 96. Severstal Major Business
Table 97. Severstal Carbon Steel Round Bars Product and Services
Table 98. Severstal Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 99. Severstal Recent Developments/Updates
Table 100. Novolipetsk Steel Basic Information, Manufacturing Base and Competitors
Table 101. Novolipetsk Steel Major Business
Table 102. Novolipetsk Steel Carbon Steel Round Bars Product and Services
Table 103. Novolipetsk Steel Carbon Steel Round Bars Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 104. Novolipetsk Steel Recent Developments/Updates
Table 105. Global Carbon Steel Round Bars Sales Quantity by Manufacturer (2021-2026) & (Kilotons)
Table 106. Global Carbon Steel Round Bars Revenue by Manufacturer (2021-2026) & (USD Million)
Table 107. Global Carbon Steel Round Bars Average Price by Manufacturer (2021-2026) & (US\$/Ton)
Table 108. Market Position of Manufacturers in Carbon Steel Round Bars, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025
Table 109. Head Office and Carbon Steel Round Bars Production Site of Key Manufacturer
Table 110. Carbon Steel Round Bars Market: Company Product Type Footprint
Table 111. Carbon Steel Round Bars Market: Company Product Application Footprint
Table 112. Carbon Steel Round Bars New Market Entrants and Barriers to Market Entry
Table 113. Carbon Steel Round Bars Mergers, Acquisition, Agreements, and Collaborations
Table 114. Global Carbon Steel Round Bars Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR
Table 115. Global Carbon Steel Round Bars Sales Quantity by Region (2021-2026) & (Kilotons)
Table 116. Global Carbon Steel Round Bars Sales Quantity by Region (2027-2032) & (Kilotons)

Table 117. Global Carbon Steel Round Bars Consumption Value by Region
(2021-2026) & (USD Million)

Table 118. Global Carbon Steel Round Bars Consumption Value by Region
(2027-2032) & (USD Million)

Table 119. Global Carbon Steel Round Bars Average Price by Region (2021-2026) &
(US\$/Ton)

Table 120. Global Carbon Steel Round Bars Average Price by Region (2027-2032) &
(US\$/Ton)

Table 121. Global Carbon Steel Round Bars Sales Quantity by Type (2021-2026) &
(Kilotons)

Table 122. Global Carbon Steel Round Bars Sales Quantity by Type (2027-2032) &
(Kilotons)

Table 123. Global Carbon Steel Round Bars Consumption Value by Type (2021-2026)
& (USD Million)

Table 124. Global Carbon Steel Round Bars Consumption Value by Type (2027-2032)
& (USD Million)

Table 125. Global Carbon Steel Round Bars Average Price by Type (2021-2026) &
(US\$/Ton)

Table 126. Global Carbon Steel Round Bars Average Price by Type (2027-2032) &
(US\$/Ton)

Table 127. Global Carbon Steel Round Bars Sales Quantity by Application (2021-2026)
& (Kilotons)

Table 128. Global Carbon Steel Round Bars Sales Quantity by Application (2027-2032)
& (Kilotons)

Table 129. Global Carbon Steel Round Bars Consumption Value by Application
(2021-2026) & (USD Million)

Table 130. Global Carbon Steel Round Bars Consumption Value by Application
(2027-2032) & (USD Million)

Table 131. Global Carbon Steel Round Bars Average Price by Application (2021-2026)
& (US\$/Ton)

Table 132. Global Carbon Steel Round Bars Average Price by Application (2027-2032)
& (US\$/Ton)

Table 133. North America Carbon Steel Round Bars Sales Quantity by Type
(2021-2026) & (Kilotons)

Table 134. North America Carbon Steel Round Bars Sales Quantity by Type
(2027-2032) & (Kilotons)

Table 135. North America Carbon Steel Round Bars Sales Quantity by Application
(2021-2026) & (Kilotons)

Table 136. North America Carbon Steel Round Bars Sales Quantity by Application

(2027-2032) & (Kilotons)

Table 137. North America Carbon Steel Round Bars Sales Quantity by Country
(2021-2026) & (Kilotons)

Table 138. North America Carbon Steel Round Bars Sales Quantity by Country
(2027-2032) & (Kilotons)

Table 139. North America Carbon Steel Round Bars Consumption Value by Country
(2021-2026) & (USD Million)

Table 140. North America Carbon Steel Round Bars Consumption Value by Country
(2027-2032) & (USD Million)

Table 141. Europe Carbon Steel Round Bars Sales Quantity by Type (2021-2026) &
(Kilotons)

Table 142. Europe Carbon Steel Round Bars Sales Quantity by Type (2027-2032) &
(Kilotons)

Table 143. Europe Carbon Steel Round Bars Sales Quantity by Application (2021-2026)
& (Kilotons)

Table 144. Europe Carbon Steel Round Bars Sales Quantity by Application (2027-2032)
& (Kilotons)

Table 145. Europe Carbon Steel Round Bars Sales Quantity by Country (2021-2026) &
(Kilotons)

Table 146. Europe Carbon Steel Round Bars Sales Quantity by Country (2027-2032) &
(Kilotons)

Table 147. Europe Carbon Steel Round Bars Consumption Value by Country
(2021-2026) & (USD Million)

Table 148. Europe Carbon Steel Round Bars Consumption Value by Country
(2027-2032) & (USD Million)

Table 149. Asia-Pacific Carbon Steel Round Bars Sales Quantity by Type (2021-2026)
& (Kilotons)

Table 150. Asia-Pacific Carbon Steel Round Bars Sales Quantity by Type (2027-2032)
& (Kilotons)

Table 151. Asia-Pacific Carbon Steel Round Bars Sales Quantity by Application
(2021-2026) & (Kilotons)

Table 152. Asia-Pacific Carbon Steel Round Bars Sales Quantity by Application
(2027-2032) & (Kilotons)

Table 153. Asia-Pacific Carbon Steel Round Bars Sales Quantity by Region
(2021-2026) & (Kilotons)

Table 154. Asia-Pacific Carbon Steel Round Bars Sales Quantity by Region
(2027-2032) & (Kilotons)

Table 155. Asia-Pacific Carbon Steel Round Bars Consumption Value by Region
(2021-2026) & (USD Million)

Table 156. Asia-Pacific Carbon Steel Round Bars Consumption Value by Region
(2027-2032) & (USD Million)

Table 157. South America Carbon Steel Round Bars Sales Quantity by Type
(2021-2026) & (Kilotons)

Table 158. South America Carbon Steel Round Bars Sales Quantity by Type
(2027-2032) & (Kilotons)

Table 159. South America Carbon Steel Round Bars Sales Quantity by Application
(2021-2026) & (Kilotons)

Table 160. South America Carbon Steel Round Bars Sales Quantity by Application
(2027-2032) & (Kilotons)

Table 161. South America Carbon Steel Round Bars Sales Quantity by Country
(2021-2026) & (Kilotons)

Table 162. South America Carbon Steel Round Bars Sales Quantity by Country
(2027-2032) & (Kilotons)

Table 163. South America Carbon Steel Round Bars Consumption Value by Country
(2021-2026) & (USD Million)

Table 164. South America Carbon Steel Round Bars Consumption Value by Country
(2027-2032) & (USD Million)

Table 165. Middle East & Africa Carbon Steel Round Bars Sales Quantity by Type
(2021-2026) & (Kilotons)

Table 166. Middle East & Africa Carbon Steel Round Bars Sales Quantity by Type
(2027-2032) & (Kilotons)

Table 167. Middle East & Africa Carbon Steel Round Bars Sales Quantity by Application
(2021-2026) & (Kilotons)

Table 168. Middle East & Africa Carbon Steel Round Bars Sales Quantity by Application
(2027-2032) & (Kilotons)

Table 169. Middle East & Africa Carbon Steel Round Bars Sales Quantity by Country
(2021-2026) & (Kilotons)

Table 170. Middle East & Africa Carbon Steel Round Bars Sales Quantity by Country
(2027-2032) & (Kilotons)

Table 171. Middle East & Africa Carbon Steel Round Bars Consumption Value by
Country (2021-2026) & (USD Million)

Table 172. Middle East & Africa Carbon Steel Round Bars Consumption Value by
Country (2027-2032) & (USD Million)

Table 173. Carbon Steel Round Bars Raw Material

Table 174. Key Manufacturers of Carbon Steel Round Bars Raw Materials

Table 175. Carbon Steel Round Bars Typical Distributors

Table 176. Carbon Steel Round Bars Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Carbon Steel Round Bars Picture

Figure 2. Global Carbon Steel Round Bars Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Carbon Steel Round Bars Revenue Market Share by Type in 2025

Figure 4. Hot Rolled Round Bars Examples

Figure 5. Cold Drawn Round Bars Examples

Figure 6. Global Carbon Steel Round Bars Revenue by Diameter, (USD Million), 2021 & 2025 & 2032

Figure 7. Global Carbon Steel Round Bars Revenue Market Share by Diameter in 2025

Figure 8. 200 mm Examples

Figure 12. Global Carbon Steel Round Bars Revenue by Carbon Content, (USD Million), 2021 & 2025 & 2032

Figure 13. Global Carbon Steel Round Bars Revenue Market Share by Carbon Content in 2025

Figure 14.

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