

Global 45# Steel Piston Rod Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global 45# Steel Piston Rod market size was valued at US\$ 177 million in 2024 and is forecast to a readjusted size of USD 249 million by 2031 with a CAGR of 5.0% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

45 # steel is a high-quality carbon structural steel with low hardness and easy cutting processing. After quenching, its surface hardness can reach 45-52HRC. Moreover, it can also have good cutting performance and comprehensive mechanical properties such as high strength and toughness, making it one of the commonly used materials for shaft parts. 45 # steel piston rod is a piston rod made of 45 # steel, usually used in hydraulic, pneumatic and other mechanical systems that require high pressure and load. 45 # steel has good mechanical properties and is widely used in the manufacturing of various mechanical parts, including piston rods, shafts, gears, etc.

This report is a detailed and comprehensive analysis for global 45# Steel Piston Rod 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 45# Steel Piston Rod market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global 45# Steel Piston Rod market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global 45# Steel Piston Rod market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global 45# Steel Piston Rod market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

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 45# Steel Piston Rod

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 45# Steel Piston Rod 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 FOKCA, Jiangsu New Heyi Machinery, Wuxi Chenna Machinery, Changzhou Shengruihua Welding Equipment, Wuxi Baokai Machinery Manufacturing, Shandong Liaojie Metal Materials, Wuxi Longzhichen Machinery, Liaocheng Xince Steel Pipe, Wuxi Yiqing Hydraulic Machinery, etc. This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

45# Steel Piston Rod market is split by Type and by Application. For the period 2020-2031, 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

Diameter 0-50mm

Diameter 50-100mm

Diameter >100mm

Market segment by Application

Packaging Machinery

Textile Machinery

Printing and Dyeing Machinery

Die-Casting Machine

Injection Molding Machine

Others

Major players covered

FOKCA

Jiangsu New Heyi Machinery

Wuxi Chenna Machinery

Changzhou Shengruihua Welding Equipment

Wuxi Baokai Machinery Manufacturing

Shandong Liaojie Metal Materials

Wuxi Longzhichen Machinery

Liaocheng Xince Steel Pipe

Wuxi Yiqing Hydraulic Machinery

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe 45# Steel Piston Rod product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of 45# Steel Piston Rod, with price, sales quantity, revenue, and global market share of 45# Steel Piston Rod from 2020 to 2025.

Chapter 3, the 45# Steel Piston Rod competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the 45# Steel Piston Rod breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and 45# Steel Piston Rod market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of 45# Steel Piston Rod.

Chapter 14 and 15, to describe 45# Steel Piston Rod sales channel, distributors, customers, research findings and conclusion.

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