

Global Ball Screws Market Research Report 2026(Status and Outlook)

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Abstracts

A ball screw is a mechanical linear actuator that translates rotational motion to linear motion with little friction. A threaded shaft provides a helical raceway for ball bearings which act as a precision screw. As well as being able to apply or withstand high thrust loads, they can do so with minimum internal friction. They are made to close tolerances and are therefore suitable for use in situations in which high precision is necessary. Global key players of Ball Screws include THK, NSK, Hiwin, SKF, etc. The top four players hold a share over 47%. Asia-Pacific is the largest market, with a share about 61%, followed by Europe and North America, with share 23% and 15%, separately. In terms of product type, Internal Circulation Ballscrew is the largest segment, occupied for a share of 65%. In terms of application, Machine Tools and Injection Molding Machines is the largest, which has a share about 43 percent.

The global Ball Screws market size was estimated at USD 2090.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 6.10% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Ball Screws market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Ball Screws market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Ball Screws market.

Global Ball Screws Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

THK
NSK
Hiwin
SKF
Bosch Rexroth
Schaeffler
TBI MOTION
Tsubaki Nakashima
Kuroda
KSS
Nidec Sankyo
PMI

Yigong
Best Precision
ISSOKU
JTEKT Machine System
Altra Industrial Motion
Huazhu
Jiangsu Qijian Screw Rod
SBC
Qidong Haosen
TRCD
Hanjiang Machine Tool
OZAK
Donglai

Market Segmentation (by Type)

Internal Circulation Ballscrew
External Circulation Ballscrew

Market Segmentation (by Application)

Semiconductor and LCD Production Equipment
Machine Tools and Injection Molding Machines
Industrial Robot
Others

Geographic Segmentation

North America (USA, Canada, Mexico)
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance

Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Ball Screws Market
Overview of the regional outlook of the Ball Screws Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Ball Screws Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help

readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Ball Screws, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights,

product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of Ball Screws

1.2 Key Market Segments

1.2.1 Ball Screws Segment by Type

1.2.2 Ball Screws Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 BALL SCREWS MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Ball Screws Market Size (M USD) Estimates and Forecasts (2020-2035)

2.1.2 Global Ball Screws Sales Estimates and Forecasts (2020-2035)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 BALL SCREWS MARKET COMPETITIVE LANDSCAPE

3.1 Company Assessment Quadrant

3.2 Global Ball Screws Product Life Cycle

3.3 Global Ball Screws Sales by Manufacturers (2020-2025)

3.4 Global Ball Screws Revenue Market Share by Manufacturers (2020-2025)

3.5 Ball Screws Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Ball Screws Average Price by Manufacturers (2020-2025)

3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types

3.8 Ball Screws Market Competitive Situation and Trends

3.8.1 Ball Screws Market Concentration Rate

3.8.2 Global 5 and 10 Largest Ball Screws Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 BALL SCREWS INDUSTRY CHAIN ANALYSIS

- 4.1 Ball Screws Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF BALL SCREWS MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global Ball Screws Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to Ball Screws Market
- 5.7 ESG Ratings of Leading Companies

6 BALL SCREWS MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Ball Screws Sales Market Share by Type (2020-2025)
- 6.3 Global Ball Screws Market Size by Type (2020-2025)
- 6.4 Global Ball Screws Price by Type (2020-2025)

7 BALL SCREWS MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Ball Screws Market Sales by Application (2020-2025)
- 7.3 Global Ball Screws Market Size (M USD) by Application (2020-2025)
- 7.4 Global Ball Screws Sales Growth Rate by Application (2020-2025)

8 BALL SCREWS MARKET SALES BY REGION

8.1 Global Ball Screws Sales by Region

8.1.1 Global Ball Screws Sales by Region

8.1.2 Global Ball Screws Sales Market Share by Region

8.2 Global Ball Screws Market Size by Region

8.2.1 Global Ball Screws Market Size by Region

8.2.2 Global Ball Screws Market Size by Region

8.3 North America

8.3.1 North America Ball Screws Sales by Country

8.3.2 North America Ball Screws Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe Ball Screws Sales by Country

8.4.2 Europe Ball Screws Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Ball Screws Sales by Region

8.5.2 Asia Pacific Ball Screws Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America Ball Screws Sales by Country

8.6.2 South America Ball Screws Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Ball Screws Sales by Region

8.7.2 Middle East and Africa Ball Screws Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 BALL SCREWS MARKET PRODUCTION BY REGION

9.1 Global Production of Ball Screws by Region(2020-2025)

9.2 Global Ball Screws Revenue Market Share by Region (2020-2025)

9.3 Global Ball Screws Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Ball Screws Production

9.4.1 North America Ball Screws Production Growth Rate (2020-2025)

9.4.2 North America Ball Screws Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Ball Screws Production

9.5.1 Europe Ball Screws Production Growth Rate (2020-2025)

9.5.2 Europe Ball Screws Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Ball Screws Production (2020-2025)

9.6.1 Japan Ball Screws Production Growth Rate (2020-2025)

9.6.2 Japan Ball Screws Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Ball Screws Production (2020-2025)

9.7.1 China Ball Screws Production Growth Rate (2020-2025)

9.7.2 China Ball Screws Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 THK

10.1.1 THK Basic Information

10.1.2 THK Ball Screws Product Overview

10.1.3 THK Ball Screws Product Market Performance

10.1.4 THK Business Overview

10.1.5 THK SWOT Analysis

10.1.6 THK Recent Developments

10.2 NSK

10.2.1 NSK Basic Information

10.2.2 NSK Ball Screws Product Overview

10.2.3 NSK Ball Screws Product Market Performance

- 10.2.4 NSK Business Overview
- 10.2.5 NSK SWOT Analysis
- 10.2.6 NSK Recent Developments
- 10.3 Hiwin
 - 10.3.1 Hiwin Basic Information
 - 10.3.2 Hiwin Ball Screws Product Overview
 - 10.3.3 Hiwin Ball Screws Product Market Performance
 - 10.3.4 Hiwin Business Overview
 - 10.3.5 Hiwin SWOT Analysis
 - 10.3.6 Hiwin Recent Developments
- 10.4 SKF
 - 10.4.1 SKF Basic Information
 - 10.4.2 SKF Ball Screws Product Overview
 - 10.4.3 SKF Ball Screws Product Market Performance
 - 10.4.4 SKF Business Overview
 - 10.4.5 SKF Recent Developments
- 10.5 Bosch Rexroth
 - 10.5.1 Bosch Rexroth Basic Information
 - 10.5.2 Bosch Rexroth Ball Screws Product Overview
 - 10.5.3 Bosch Rexroth Ball Screws Product Market Performance
 - 10.5.4 Bosch Rexroth Business Overview
 - 10.5.5 Bosch Rexroth Recent Developments
- 10.6 Schaeffler
 - 10.6.1 Schaeffler Basic Information
 - 10.6.2 Schaeffler Ball Screws Product Overview
 - 10.6.3 Schaeffler Ball Screws Product Market Performance
 - 10.6.4 Schaeffler Business Overview
 - 10.6.5 Schaeffler Recent Developments
- 10.7 TBI MOTION
 - 10.7.1 TBI MOTION Basic Information
 - 10.7.2 TBI MOTION Ball Screws Product Overview
 - 10.7.3 TBI MOTION Ball Screws Product Market Performance
 - 10.7.4 TBI MOTION Business Overview
 - 10.7.5 TBI MOTION Recent Developments
- 10.8 Tsubaki Nakashima
 - 10.8.1 Tsubaki Nakashima Basic Information
 - 10.8.2 Tsubaki Nakashima Ball Screws Product Overview
 - 10.8.3 Tsubaki Nakashima Ball Screws Product Market Performance
 - 10.8.4 Tsubaki Nakashima Business Overview

- 10.8.5 Tsubaki Nakashima Recent Developments
- 10.9 Kuroda
 - 10.9.1 Kuroda Basic Information
 - 10.9.2 Kuroda Ball Screws Product Overview
 - 10.9.3 Kuroda Ball Screws Product Market Performance
 - 10.9.4 Kuroda Business Overview
 - 10.9.5 Kuroda Recent Developments
- 10.10 KSS
 - 10.10.1 KSS Basic Information
 - 10.10.2 KSS Ball Screws Product Overview
 - 10.10.3 KSS Ball Screws Product Market Performance
 - 10.10.4 KSS Business Overview
 - 10.10.5 KSS Recent Developments
- 10.11 Nidec Sankyo
 - 10.11.1 Nidec Sankyo Basic Information
 - 10.11.2 Nidec Sankyo Ball Screws Product Overview
 - 10.11.3 Nidec Sankyo Ball Screws Product Market Performance
 - 10.11.4 Nidec Sankyo Business Overview
 - 10.11.5 Nidec Sankyo Recent Developments
- 10.12 PMI
 - 10.12.1 PMI Basic Information
 - 10.12.2 PMI Ball Screws Product Overview
 - 10.12.3 PMI Ball Screws Product Market Performance
 - 10.12.4 PMI Business Overview
 - 10.12.5 PMI Recent Developments
- 10.13 Yigong
 - 10.13.1 Yigong Basic Information
 - 10.13.2 Yigong Ball Screws Product Overview
 - 10.13.3 Yigong Ball Screws Product Market Performance
 - 10.13.4 Yigong Business Overview
 - 10.13.5 Yigong Recent Developments
- 10.14 Best Precision
 - 10.14.1 Best Precision Basic Information
 - 10.14.2 Best Precision Ball Screws Product Overview
 - 10.14.3 Best Precision Ball Screws Product Market Performance
 - 10.14.4 Best Precision Business Overview
 - 10.14.5 Best Precision Recent Developments
- 10.15 ISSOKU
 - 10.15.1 ISSOKU Basic Information

- 10.15.2 ISSOKU Ball Screws Product Overview
- 10.15.3 ISSOKU Ball Screws Product Market Performance
- 10.15.4 ISSOKU Business Overview
- 10.15.5 ISSOKU Recent Developments
- 10.16 JTEKT Machine System
 - 10.16.1 JTEKT Machine System Basic Information
 - 10.16.2 JTEKT Machine System Ball Screws Product Overview
 - 10.16.3 JTEKT Machine System Ball Screws Product Market Performance
 - 10.16.4 JTEKT Machine System Business Overview
 - 10.16.5 JTEKT Machine System Recent Developments
- 10.17 Altra Industrial Motion
 - 10.17.1 Altra Industrial Motion Basic Information
 - 10.17.2 Altra Industrial Motion Ball Screws Product Overview
 - 10.17.3 Altra Industrial Motion Ball Screws Product Market Performance
 - 10.17.4 Altra Industrial Motion Business Overview
 - 10.17.5 Altra Industrial Motion Recent Developments
- 10.18 Huazhu
 - 10.18.1 Huazhu Basic Information
 - 10.18.2 Huazhu Ball Screws Product Overview
 - 10.18.3 Huazhu Ball Screws Product Market Performance
 - 10.18.4 Huazhu Business Overview
 - 10.18.5 Huazhu Recent Developments
- 10.19 Jiangsu Qijian Screw Rod
 - 10.19.1 Jiangsu Qijian Screw Rod Basic Information
 - 10.19.2 Jiangsu Qijian Screw Rod Ball Screws Product Overview
 - 10.19.3 Jiangsu Qijian Screw Rod Ball Screws Product Market Performance
 - 10.19.4 Jiangsu Qijian Screw Rod Business Overview
 - 10.19.5 Jiangsu Qijian Screw Rod Recent Developments
- 10.20 SBC
 - 10.20.1 SBC Basic Information
 - 10.20.2 SBC Ball Screws Product Overview
 - 10.20.3 SBC Ball Screws Product Market Performance
 - 10.20.4 SBC Business Overview
 - 10.20.5 SBC Recent Developments
- 10.21 Qidong Haosen
 - 10.21.1 Qidong Haosen Basic Information
 - 10.21.2 Qidong Haosen Ball Screws Product Overview
 - 10.21.3 Qidong Haosen Ball Screws Product Market Performance
 - 10.21.4 Qidong Haosen Business Overview

- 10.21.5 Qidong Haosen Recent Developments
- 10.22 TRCD
 - 10.22.1 TRCD Basic Information
 - 10.22.2 TRCD Ball Screws Product Overview
 - 10.22.3 TRCD Ball Screws Product Market Performance
 - 10.22.4 TRCD Business Overview
 - 10.22.5 TRCD Recent Developments
- 10.23 Hanjiang Machine Tool
 - 10.23.1 Hanjiang Machine Tool Basic Information
 - 10.23.2 Hanjiang Machine Tool Ball Screws Product Overview
 - 10.23.3 Hanjiang Machine Tool Ball Screws Product Market Performance
 - 10.23.4 Hanjiang Machine Tool Business Overview
 - 10.23.5 Hanjiang Machine Tool Recent Developments
- 10.24 OZAK
 - 10.24.1 OZAK Basic Information
 - 10.24.2 OZAK Ball Screws Product Overview
 - 10.24.3 OZAK Ball Screws Product Market Performance
 - 10.24.4 OZAK Business Overview
 - 10.24.5 OZAK Recent Developments
- 10.25 Donglai
 - 10.25.1 Donglai Basic Information
 - 10.25.2 Donglai Ball Screws Product Overview
 - 10.25.3 Donglai Ball Screws Product Market Performance
 - 10.25.4 Donglai Business Overview
 - 10.25.5 Donglai Recent Developments

11 BALL SCREWS MARKET FORECAST BY REGION

- 11.1 Global Ball Screws Market Size Forecast
- 11.2 Global Ball Screws Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe Ball Screws Market Size Forecast by Country
 - 11.2.3 Asia Pacific Ball Screws Market Size Forecast by Region
 - 11.2.4 South America Ball Screws Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Sales of Ball Screws by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

- 12.1 Global Ball Screws Market Forecast by Type (2026-2035)

- 12.1.1 Global Forecasted Sales of Ball Screws by Type (2026-2035)
- 12.1.2 Global Ball Screws Market Size Forecast by Type (2026-2035)
- 12.1.3 Global Forecasted Price of Ball Screws by Type (2026-2035)
- 12.2 Global Ball Screws Market Forecast by Application (2026-2035)
 - 12.2.1 Global Ball Screws Sales (K Units) Forecast by Application
 - 12.2.2 Global Ball Screws Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type
Table 2. Introduction of the Application
Table 3. Global Ball Screws Market Size by Type (M USD)
Table 4. Global Ball Screws Market Size by Application
Table 5. Ball Screws Market Size Comparison by Region (M USD)
Table 6. Global Ball Screws Sales (K Units) by Manufacturers (2020-2025)
Table 7. Global Ball Screws Sales Market Share by Manufacturers (2020-2025)
Table 8. Global Ball Screws Revenue (M USD) by Manufacturers (2020-2025)
Table 9. Global Ball Screws Revenue Share by Manufacturers (2020-2025)
Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Ball Screws as of 2025)
Table 11. Global Market Ball Screws Average Price (USD/Unit) of Key Manufacturers (2020-2025)
Table 12. Manufacturers? Manufacturing Sites, Areas Served
Table 13. Manufacturers? Product Type
Table 14. Global Ball Screws Manufacturers Market Concentration Ratio (CR5 and HHI)
Table 15. Mergers & Acquisitions, Expansion Plans
Table 16. Market Overview of Key Raw Materials
Table 17. Midstream Market Analysis
Table 18. Downstream Customer Analysis
Table 19. Key Development Trends
Table 20. Driving Factors
Table 21. Ball Screws Market Challenges
Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026
Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027
Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026
Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries
Table 26. Global Ball Screws Sales by Type (K Units)
Table 27. Global Ball Screws Market Size by Type (M USD)
Table 28. Global Ball Screws Sales (K Units) by Type (2020-2025)
Table 29. Global Ball Screws Sales Market Share by Type (2020-2025)
Table 30. Global Ball Screws Market Size (M USD) by Type (2020-2025)
Table 31. Global Ball Screws Market Share by Type (2020-2025)
Table 32. Global Ball Screws Price (USD/Unit) by Type (2020-2025)

Table 33. Global Ball Screws Sales (K Units) by Application
Table 34. Global Ball Screws Market Size by Application
Table 35. Global Ball Screws Sales by Application (2020-2025) & (K Units)
Table 36. Global Ball Screws Sales Market Share by Application (2020-2025)
Table 37. Global Ball Screws Market Size by Application (2020-2025) & (M USD)
Table 38. Global Ball Screws Market Share by Application (2020-2025)
Table 39. Global Ball Screws Sales Growth Rate by Application (2020-2025)
Table 40. Global Ball Screws Sales by Region (2020-2025) & (K Units)
Table 41. Global Ball Screws Sales Market Share by Region (2020-2025)
Table 42. Global Ball Screws Market Size by Region (2020-2025) & (M USD)
Table 43. Global Ball Screws Market Size by Region (2020-2025)
Table 44. North America Ball Screws Sales by Country (2020-2025) & (K Units)
Table 45. North America Ball Screws Market Size by Country (2020-2025) & (M USD)
Table 46. Europe Ball Screws Sales by Country (2020-2025) & (K Units)
Table 47. Europe Ball Screws Market Size by Country (2020-2025) & (M USD)
Table 48. Asia Pacific Ball Screws Sales by Region (2020-2025) & (K Units)
Table 49. Asia Pacific Ball Screws Market Size by Region (2020-2025) & (M USD)
Table 50. South America Ball Screws Sales by Country (2020-2025) & (K Units)
Table 51. South America Ball Screws Market Size by Country (2020-2025) & (M USD)
Table 52. Middle East and Africa Ball Screws Sales by Region (2020-2025) & (K Units)
Table 53. Middle East and Africa Ball Screws Market Size by Region (2020-2025) & (M USD)
Table 54. Global Ball Screws Production (K Units) by Region(2020-2025)
Table 55. Global Ball Screws Revenue (US\$ Million) by Region (2020-2025)
Table 56. Global Ball Screws Revenue Market Share by Region (2020-2025)
Table 57. Global Ball Screws Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 58. North America Ball Screws Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 59. Europe Ball Screws Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 60. Japan Ball Screws Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 61. China Ball Screws Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 62. THK Basic Information
Table 63. THK Ball Screws Product Overview
Table 64. THK Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 65. THK Business Overview

Table 66. THK SWOT Analysis

Table 67. THK Recent Developments

Table 68. NSK Basic Information

Table 69. NSK Ball Screws Product Overview

Table 70. NSK Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 71. NSK Business Overview

Table 72. NSK SWOT Analysis

Table 73. NSK Recent Developments

Table 74. Hiwin Basic Information

Table 75. Hiwin Ball Screws Product Overview

Table 76. Hiwin Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 77. Hiwin Business Overview

Table 78. Hiwin SWOT Analysis

Table 79. Hiwin Recent Developments

Table 80. SKF Basic Information

Table 81. SKF Ball Screws Product Overview

Table 82. SKF Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 83. SKF Business Overview

Table 84. SKF Recent Developments

Table 85. Bosch Rexroth Basic Information

Table 86. Bosch Rexroth Ball Screws Product Overview

Table 87. Bosch Rexroth Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 88. Bosch Rexroth Business Overview

Table 89. Bosch Rexroth Recent Developments

Table 90. Schaeffler Basic Information

Table 91. Schaeffler Ball Screws Product Overview

Table 92. Schaeffler Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 93. Schaeffler Business Overview

Table 94. Schaeffler Recent Developments

Table 95. TBI MOTION Basic Information

Table 96. TBI MOTION Ball Screws Product Overview

Table 97. TBI MOTION Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 98. TBI MOTION Business Overview
Table 99. TBI MOTION Recent Developments
Table 100. Tsubaki Nakashima Basic Information
Table 101. Tsubaki Nakashima Ball Screws Product Overview
Table 102. Tsubaki Nakashima Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 103. Tsubaki Nakashima Business Overview
Table 104. Tsubaki Nakashima Recent Developments
Table 105. Kuroda Basic Information
Table 106. Kuroda Ball Screws Product Overview
Table 107. Kuroda Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 108. Kuroda Business Overview
Table 109. Kuroda Recent Developments
Table 110. KSS Basic Information
Table 111. KSS Ball Screws Product Overview
Table 112. KSS Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 113. KSS Business Overview
Table 114. KSS Recent Developments
Table 115. Nidec Sankyo Basic Information
Table 116. Nidec Sankyo Ball Screws Product Overview
Table 117. Nidec Sankyo Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 118. Nidec Sankyo Business Overview
Table 119. Nidec Sankyo Recent Developments
Table 120. PMI Basic Information
Table 121. PMI Ball Screws Product Overview
Table 122. PMI Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 123. PMI Business Overview
Table 124. PMI Recent Developments
Table 125. Yigong Basic Information
Table 126. Yigong Ball Screws Product Overview
Table 127. Yigong Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 128. Yigong Business Overview
Table 129. Yigong Recent Developments
Table 130. Best Precision Basic Information

Table 131. Best Precision Ball Screws Product Overview
Table 132. Best Precision Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 133. Best Precision Business Overview
Table 134. Best Precision Recent Developments
Table 135. ISSOKU Basic Information
Table 136. ISSOKU Ball Screws Product Overview
Table 137. ISSOKU Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 138. ISSOKU Business Overview
Table 139. ISSOKU Recent Developments
Table 140. JTEKT Machine System Basic Information
Table 141. JTEKT Machine System Ball Screws Product Overview
Table 142. JTEKT Machine System Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 143. JTEKT Machine System Business Overview
Table 144. JTEKT Machine System Recent Developments
Table 145. Altra Industrial Motion Basic Information
Table 146. Altra Industrial Motion Ball Screws Product Overview
Table 147. Altra Industrial Motion Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 148. Altra Industrial Motion Business Overview
Table 149. Altra Industrial Motion Recent Developments
Table 150. Huazhu Basic Information
Table 151. Huazhu Ball Screws Product Overview
Table 152. Huazhu Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 153. Huazhu Business Overview
Table 154. Huazhu Recent Developments
Table 155. Jiangsu Qijian Screw Rod Basic Information
Table 156. Jiangsu Qijian Screw Rod Ball Screws Product Overview
Table 157. Jiangsu Qijian Screw Rod Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 158. Jiangsu Qijian Screw Rod Business Overview
Table 159. Jiangsu Qijian Screw Rod Recent Developments
Table 160. SBC Basic Information
Table 161. SBC Ball Screws Product Overview
Table 162. SBC Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 163. SBC Business Overview
Table 164. SBC Recent Developments
Table 165. Qidong Haosen Basic Information
Table 166. Qidong Haosen Ball Screws Product Overview
Table 167. Qidong Haosen Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 168. Qidong Haosen Business Overview
Table 169. Qidong Haosen Recent Developments
Table 170. TRCD Basic Information
Table 171. TRCD Ball Screws Product Overview
Table 172. TRCD Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 173. TRCD Business Overview
Table 174. TRCD Recent Developments
Table 175. Hanjiang Machine Tool Basic Information
Table 176. Hanjiang Machine Tool Ball Screws Product Overview
Table 177. Hanjiang Machine Tool Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 178. Hanjiang Machine Tool Business Overview
Table 179. Hanjiang Machine Tool Recent Developments
Table 180. OZAK Basic Information
Table 181. OZAK Ball Screws Product Overview
Table 182. OZAK Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 183. OZAK Business Overview
Table 184. OZAK Recent Developments
Table 185. Donglai Basic Information
Table 186. Donglai Ball Screws Product Overview
Table 187. Donglai Ball Screws Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 188. Donglai Business Overview
Table 189. Donglai Recent Developments
Table 190. Global Ball Screws Sales Forecast by Region (2026-2035) & (K Units)
Table 191. Global Ball Screws Market Size Forecast by Region (2026-2035) & (M USD)
Table 192. North America Ball Screws Sales Forecast by Country (2026-2035) & (K Units)
Table 193. North America Ball Screws Market Size Forecast by Country (2026-2035) & (M USD)
Table 194. Europe Ball Screws Sales Forecast by Country (2026-2035) & (K Units)

Table 195. Europe Ball Screws Market Size Forecast by Country (2026-2035) & (M USD)

Table 196. Asia Pacific Ball Screws Sales Forecast by Region (2026-2035) & (K Units)

Table 197. Asia Pacific Ball Screws Market Size Forecast by Region (2026-2035) & (M USD)

Table 198. South America Ball Screws Sales Forecast by Country (2026-2035) & (K Units)

Table 199. South America Ball Screws Market Size Forecast by Country (2026-2035) & (M USD)

Table 200. Middle East and Africa Ball Screws Sales Forecast by Country (2026-2035) & (Units)

Table 201. Middle East and Africa Ball Screws Market Size Forecast by Country (2026-2035) & (M USD)

Table 202. Global Ball Screws Sales Forecast by Type (2026-2035) & (K Units)

Table 203. Global Ball Screws Market Size Forecast by Type (2026-2035) & (M USD)

Table 204. Global Ball Screws Price Forecast by Type (2026-2035) & (USD/Unit)

Table 205. Global Ball Screws Sales (K Units) Forecast by Application (2026-2035)

Table 206. Global Ball Screws Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Ball Screws
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Ball Screws Market Size (M USD), 2025-2035
- Figure 5. Global Ball Screws Market Size (M USD) (2020-2035)
- Figure 6. Global Ball Screws Sales (K Units) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Ball Screws Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Ball Screws Product Life Cycle
- Figure 13. Ball Screws Sales Share by Manufacturers in 2025
- Figure 14. Global Ball Screws Revenue Share by Manufacturers in 2025
- Figure 15. Ball Screws Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Ball Screws Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Ball Screws Revenue in 2025
- Figure 18. Industry Chain Map of Ball Screws
- Figure 19. Global Ball Screws Market PEST Analysis
- Figure 20. Global Ball Screws Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Ball Screws Market Share by Type
- Figure 27. Sales Market Share of Ball Screws by Type (2020-2025)
- Figure 28. Sales Market Share of Ball Screws by Type in 2025
- Figure 29. Market Share of Ball Screws by Type (2020-2025)
- Figure 30. Market Share of Ball Screws by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global Ball Screws Market Share by Application
- Figure 33. Global Ball Screws Sales Market Share by Application (2020-2025)

- Figure 34. Global Ball Screws Sales Market Share by Application in 2025
- Figure 35. Global Ball Screws Market Share by Application (2020-2025)
- Figure 36. Global Ball Screws Market Share by Application in 2025
- Figure 37. Global Ball Screws Sales Growth Rate by Application (2020-2025)
- Figure 38. Global Ball Screws Sales Market Share by Region (2020-2025)
- Figure 39. Global Ball Screws Market Size by Region (2020-2025)
- Figure 40. North America Ball Screws Sales and Growth Rate (2020-2025) & (K Units)
- Figure 41. North America Ball Screws Sales and Growth Rate (2020-2025) & (K Units)
- Figure 42. North America Ball Screws Sales Market Share by Country in 2024
- Figure 43. North America Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America Ball Screws Market Size by Country in 2024
- Figure 45. U.S. Ball Screws Sales and Growth Rate (2020-2025) & (K Units)
- Figure 46. U.S. Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada Ball Screws Sales (K Units) and Growth Rate (2020-2025)
- Figure 48. Canada Ball Screws Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico Ball Screws Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico Ball Screws Market Size (Units) and Growth Rate (2020-2025)
- Figure 51. Europe Ball Screws Sales and Growth Rate (2020-2025) & (K Units)
- Figure 52. Europe Ball Screws Sales Market Share by Country in 2024
- Figure 53. Europe Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 54. Europe Ball Screws Market Size by Country in 2024
- Figure 55. Germany Ball Screws Sales and Growth Rate (2020-2025) & (K Units)
- Figure 56. Germany Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 57. France Ball Screws Sales and Growth Rate (2020-2025) & (K Units)
- Figure 58. France Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 59. U.K. Ball Screws Sales and Growth Rate (2020-2025) & (K Units)
- Figure 60. U.K. Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 61. Italy Ball Screws Sales and Growth Rate (2020-2025) & (K Units)
- Figure 62. Italy Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 63. Spain Ball Screws Sales and Growth Rate (2020-2025) & (K Units)
- Figure 64. Spain Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 65. Asia Pacific Ball Screws Sales and Growth Rate (K Units)
- Figure 66. Asia Pacific Ball Screws Sales Market Share by Region in 2024
- Figure 67. Asia Pacific Ball Screws Market Size by Region in 2024
- Figure 68. China Ball Screws Sales and Growth Rate (2020-2025) & (K Units)
- Figure 69. China Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 70. Japan Ball Screws Sales and Growth Rate (2020-2025) & (K Units)
- Figure 71. Japan Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Ball Screws Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Ball Screws Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Ball Screws Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Ball Screws Sales and Growth Rate (K Units)

Figure 79. South America Ball Screws Sales Market Share by Country in 2024

Figure 80. South America Ball Screws Market Size and Growth Rate (M USD)

Figure 81. South America Ball Screws Market Size by Country in 2024

Figure 82. Brazil Ball Screws Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Ball Screws Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Ball Screws Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Ball Screws Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Ball Screws Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Ball Screws Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Ball Screws Market Size by Region in 2024

Figure 92. Saudi Arabia Ball Screws Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Ball Screws Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Ball Screws Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Ball Screws Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Ball Screws Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Ball Screws Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Ball Screws Production Market Share by Region (2020-2025)

Figure 103. North America Ball Screws Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Ball Screws Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Ball Screws Production (K Units) Growth Rate (2020-2025)

Figure 106. China Ball Screws Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Ball Screws Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global Ball Screws Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Ball Screws Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Ball Screws Market Share Forecast by Type (2026-2035)

Figure 111. Global Ball Screws Sales Forecast by Application (2026-2035)

Figure 112. Global Ball Screws Market Share Forecast by Application (2026-2035)

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