

# Global Positioning Steel Ball 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 Positioning Steel Ball market size was valued at US\$ 129 million in 2025 and is forecast to a readjusted size of US\$ 170 million by 2032 with a CAGR of 4.0% during review period.

In 2025, global sales of Positioning Steel Ball reached approximately 200–230 million pcs, with an average market price of about USD 0.55–0.65 pc, an annual production capacity of roughly 240–280 million pcs, and an industry-average gross margin of approximately 25%.

Positioning Steel Balls are compact spring-loaded mechanical standard components used to provide repeatable positioning, indexing, detent, retaining, latching, ejection and light holding functions in machinery and fixtures. A typical ball plunger consists of a threaded or press-fit housing, an internal spring, and a movable ball at the tip. The ball may be made from bearing steel, stainless steel, ceramic or engineering plastic such as POM, while the body can be made from carbon steel, stainless steel, brass or polymer. When an external load is applied, the ball retracts into the housing against the spring force; once the load is removed, the spring pushes the ball back to its original position. This simple mechanism enables controlled end force, temporary locating, indexing of sliding mechanisms, detent feel, workpiece holding, push-off and ejection functions. This study focuses on industrial-grade ball plungers and spring loaded ball plunger assemblies used in machine building, jigs and fixtures, automation equipment, molds and dies, medical devices, food and chemical processing equipment, electronics and precision mechanisms.

This report is a detailed and comprehensive analysis for global Positioning Steel Ball

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 Positioning Steel Ball market size and forecasts, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pc), 2021-2032

Global Positioning Steel Ball market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pc), 2021-2032

Global Positioning Steel Ball market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pc), 2021-2032

Global Positioning Steel Ball market shares of main players, shipments in revenue (\$ Million), sales quantity (K Pcs), and ASP (US\$/Pc), 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 Positioning Steel Ball

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 Positioning Steel Ball 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 MISUMI Group, Otto Ganter, KIPP, Halder, norelem, NBK, IMAO, Carr Lane, TE-CO, Jergens, etc.

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

## Market Segmentation

Positioning Steel Ball 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

Light Spring Force

Standard Spring Force

Heavy Spring Force

### Market segment by Material

Carbon Steel

Stainless Steel

Brass

Plastic

### Market segment by Application

Medical

Food

Chemical

Others

Major players covered

MISUMI Group

Otto Ganter

KIPP

Halder

norelem

NBK

IMAO

Carr Lane

TE-CO

Jergens

Vlier

S&W Manufacturing

WDS Components

Guangzhou Sata

OneMonroe

Morton Machine Works

Rencol

Fixtureworks

Boneham & Turner

Blohm

HASCO

Special Springs

Sankyo Oilless

PECO Germany

Veichu Precision

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 Positioning Steel Ball product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Positioning Steel Ball, with price, sales quantity, revenue, and global market share of Positioning Steel Ball from 2021 to 2026.

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

Chapter 4, the Positioning Steel Ball breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Positioning Steel Ball market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Positioning Steel Ball.

Chapter 14 and 15, to describe Positioning Steel Ball sales channel, distributors, customers, research findings and conclusion.

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