

# Global Positioning Steel Ball Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Positioning Steel Ball market size is expected to reach \$ 170 million by 2032, rising at a market growth of 4.0% CAGR during the forecast period (2026-2032).

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 studies the global Positioning Steel Ball production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Positioning Steel Ball and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Positioning Steel Ball that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Positioning Steel Ball total production and demand, 2021-2032, (K Pcs)

Global Positioning Steel Ball total production value, 2021-2032, (USD Million)

Global Positioning Steel Ball production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs), (based on production site)

Global Positioning Steel Ball consumption by region & country, CAGR, 2021-2032 & (K Pcs)

U.S. VS China: Positioning Steel Ball domestic production, consumption, key domestic manufacturers and share

Global Positioning Steel Ball production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Pcs)

Global Positioning Steel Ball production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

Global Positioning Steel Ball production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

This report profiles key players in the global Positioning Steel Ball market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Positioning Steel Ball market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Pcs) and average price (US\$/Pc) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by

year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global Positioning Steel Ball Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Positioning Steel Ball Market, Segmentation by Type:

Light Spring Force

Standard Spring Force

Heavy Spring Force

#### Global Positioning Steel Ball Market, Segmentation by Material:

Carbon Steel

Stainless Steel

Brass

Plastic

Global Positioning Steel Ball Market, Segmentation by Application:

Medical

Food

Chemical

Others

Companies Profiled:

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

#### Key Questions Answered:

1. How big is the global Positioning Steel Ball market?
2. What is the demand of the global Positioning Steel Ball market?
3. What is the year over year growth of the global Positioning Steel Ball market?
4. What is the production and production value of the global Positioning Steel Ball market?
5. Who are the key producers in the global Positioning Steel Ball market?
6. What are the growth factors driving the market demand?

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