

# Global Carbon Steel Retaining Rings Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global Carbon Steel Retaining Rings market size will reach 3,942.57 Million USD in 2025 and is projected to reach 6,553.71 Million USD by 2032, with a CAGR of 7.53% (2025-2032). Notably, the China Carbon Steel Retaining Rings market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

Carbon steel retaining rings, also known as snap rings or circlips, are mechanical fasteners used to secure or retain components on shafts or inside bores. They are typically made from carbon steel due to its strength, durability, and cost-effectiveness. Carbon steel retaining rings come in various shapes and configurations, including external (shaft) and internal (bore) types. External retaining rings fit into grooves on the outside diameter of shafts, while internal retaining rings are installed inside bores. These rings function by applying radial pressure against the groove or bore, effectively preventing the component from axial movement. Carbon steel retaining rings are widely used in various industries, including automotive, machinery, and manufacturing, for applications such as retaining bearings, gears, pulleys, and other rotating components. They offer a secure and efficient method of retaining parts, allowing for easy assembly, disassembly, and maintenance of equipment and machinery.

The major global manufacturers of Carbon Steel Retaining Rings include Hugo Benzing, Barnes Group, Rotor Clip, Smalley, W?rth, Cirteq Limited, American Ring, OCHIAI Inc,

IWATA DENKO, Beneri, Star Circlips, Garlock, MW Industries, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Carbon Steel Retaining Rings. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Carbon Steel Retaining Rings market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Carbon Steel Retaining Rings market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Carbon Steel Retaining Rings industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Carbon Steel Retaining Rings Include:

Hugo Benzing

Barnes Group

Rotor Clip

Smalley

W?rth

Cirteq Limited

American Ring

OCHIAI Inc

IWATA DENKO

Beneri

Star Circlips

Garlock

MW Industries

Carbon Steel Retaining Rings Product Segment Include:

External Retaining Rings

Internal Retaining Rings

Carbon Steel Retaining Rings Product Application Include:

Automotive

Consumer Products

Energy

Industrial

Others

## **Chapter Scope**

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