

# Global Piston Ring 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 Piston Ring market size was valued at US\$ 2911 million in 2025 and is forecast to a readjusted size of US\$ 3263 million by 2032 with a CAGR of 1.7% during review period.

The principal function of the piston rings is to form a seal between the combustion chamber and the crankcase of the engine. The goal is to prevent combustion gases from passing into the crankcase and oil from passing into the combustion chamber. During the compression and power strokes, the compression ring seals the combustion gases and prevents blow-by. Although blow-by is not completely eliminated it is kept to an acceptable limit. During the compression and exhaust strokes the cylinder walls are lubricated with oil by throw off from the connecting rod bearings. Excess oil is wiped off by the piston rings. Not only does the oil ring have the responsibility of wiping the excess oil off the cylinder walls, but the job is also shared by all of the rings, leaving a fine layer of oil on the wall to provide lubrication for the following ring. As rings wear, the ability to perform these functions is decreased resulting in oil consumption and blow-by. When this happens it is time for a new set of rings.

Global key players of Piston Ring include MAHLE, Tenneco, Riken Corporation, NPR, Anhui Ring New Group and TPR, etc. Top five players occupy for a share about 63%. Asia-Pacific is the largest market, with a share about 54%, followed by Europe and North America. In terms of product, Cast Iron Piston Ring is the largest segment, with a share over 78%. In terms of application, OEM is the largest market, with a share over 73%.

This report is a detailed and comprehensive analysis for global Piston Ring 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 Piston Ring market size and forecasts, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/Unit), 2021-2032

Global Piston Ring market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/Unit), 2021-2032

Global Piston Ring market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/Unit), 2021-2032

Global Piston Ring market shares of main players, shipments in revenue (\$ Million), sales quantity (M Units), and ASP (US\$/Unit), 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 Piston Ring

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 Piston Ring 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 MAHLE, Tenneco, Riken Corporation, NPR, Anhui Ring New Group, TPR, ASIMCO ShuangHuan, Shriram Pistons & Rings, Yoosung Enterprise, Feiyan Piston Ring, etc.

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

### **Market Segmentation**

Piston Ring 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

Cast Iron Piston Ring

Steel Piston Ring

Other

#### Market segment by Application

OEM

Aftermarket

#### Major players covered

MAHLE

Tenneco

Riken Corporation

NPR

Anhui Ring New Group

TPR

ASIMCO ShuangHuan

Shriram Pistons & Rings

Yoosung Enterprise

Feiyan Piston Ring

Hastings

Samkrig Pistons And Rings

Hua Min Nan Pei Group

IP Rings

Grant Piston Rings

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 Piston Ring product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Piston Ring 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 Piston Ring 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 Piston Ring.

Chapter 14 and 15, to describe Piston Ring sales channel, distributors, customers, research findings and conclusion.

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