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Global Collection



Global Bearings

May 2021



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Table of Contents

1. Highlights	3
2. Global Overview & Forecasts	5
Demand by Product	5
Ball Bearings	6
Roller Bearings	7
Plain Bearings	8
Mounted & Combination Bearings	8
Bearing Parts	9
Demand by Market	11
Machinery	12
Motor Vehicles	13
Motorcycles	13
Aerospace Equipment	14
Other Markets	14
3. Regional Segmentation & Forecasts	16
Regional Production Overview	16
Regional Demand Overview	18
North America	20
Western Europe	22
Asia/Pacific	24
Other Regions	26
Central & South America	27
Eastern Europe	27
Africa/Mideast	28
4. Industry Structure	29
Industry Characteristics	29
Market Share	30
SKF	31
Schaeffler	32
NSK	33
5. About This Report	34
Scope	34
Sources	35
Industry Codes	35
Freedonia Methodology	36
Resources	38

List of Tables & Figures

Figure 1 Global Bearings Market Outlook, 2020 – 2025	4
Figure 2 Global Bearing Demand by Product, 2010 – 2025 (US\$ bil)	5
Table 1 Global Bearing Demand by Product, 2010 – 2025 (US\$ mil)	5
Figure 3 Global Bearing Demand by Product, 2010 – 2025 (%)	10
Figure 4 Global Bearing Demand by Market, 2010 – 2025 (US\$ bil)	11
Table 2 Global Bearing Demand by Market, 2010 – 2025 (US\$ mil)	11
Figure 5 Global Bearing Demand by Market, 2010 – 2025 (%)	15
Figure 6 Global Bearing Production by Region, 2010 – 2025 (US\$ bil)	16
Table 3 Global Bearing Production by Region, 2010 – 2025 (US\$ mil)	16
Figure 7 Global Bearing Production by Region, 2010 – 2025 (%)	17
Figure 8 Global Bearing Demand by Region, 2010 – 2025 (US\$ bil)	18
Table 4 Global Bearing Demand by Region, 2010 – 2025 (US\$ mil)	18
Figure 9 Global Bearing Demand by Region, 2010 – 2025 (%)	19
Figure 10 North America: Bearing Demand by Product, 2010 – 2025 (US\$ bil)	20
Figure 11 North America: Bearing Demand by Market, 2010 – 2025 (US\$ bil)	20
Table 5 North America: Bearing Demand by Product & Market, 2010 – 2025 (US\$ mil)	21
Figure 12 Western Europe: Bearing Demand by Product, 2010 – 2025 (US\$ bil)	22
Figure 13 Western Europe: Bearing Demand by Market, 2010 – 2025 (US\$ bil)	22
Table 6 Western Europe: Bearing Demand by Product & Market, 2010 – 2025 (US\$ mil)	23
Figure 14 Asia/Pacific: Bearing Demand by Product, 2010 – 2025 (US\$ bil)	24
Figure 15 Asia/Pacific: Bearing Demand by Market, 2010 – 2025 (US\$ bil)	24
Table 7 Asia/Pacific: Bearing Demand by Product & Market, 2010 – 2025 (US\$ mil)	25
Figure 16 Other Regions: Bearing Demand by Region, 2010 – 2025 (US\$ bil)	26
Figure 17 Other Regions: Bearing Demand by Product, 2010 – 2025 (US\$ bil)	26
Table 8 Other Regions: Bearing Demand by Region & Product, 2010 – 2025 (US\$ mil)	28
Figure 18 Global Bearing Market Share by Company, 2020 (%)	30
Table 9 Leading Suppliers to the Global Bearing Market	31
Table 10 HS Codes Related to Bearings	35
Table 11 NAICS & SIC Codes Related to Bearings	36

About This Report

Scope

This report forecasts to 2025 global demand for bearings by product, market, and major world region in nominal US dollars at the manufacturer level. Product segments include:

- ball bearings
- roller bearings
- plain bearings
- mounted and combination bearings
- bearing parts

Reported markets encompass:

- machinery
- motor vehicles
- motorcycles
- aerospace equipment
- other markets such as medical equipment and railway equipment

Major world regions include North America, Western Europe, Asia/Pacific, and all other regions.

To illustrate historical trends, world, product, market, and regional demand (including product and market segments) are provided for 2010, 2015, and 2020. Finally, global production is segmented by major world region and provided for 2010, 2015, 2020, and 2025.

Excluded from the scope of this report are:

- adaptor and withdrawal sleeves
- flexure, fluid, and magnetic bearings
- lock nuts and washers
- lubricators
- retaining plates

Whenever possible, efforts were made to prevent bearing sales from being counted more than once in the numbers presented here, although it is difficult to do because of the structure of the bearing industry.

For any given historical year, US dollar amounts are obtained from values expressed in the applicable local currency. These local currency values are converted to US dollars at the

About This Report

average annual exchange rate for that year. For forecast years, the US dollar amounts assume the same annual exchange rate as that prevailing in 2020.

Other various topics, including profiles of pertinent leading companies, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Global Bearings (FW70019) is based on a [comprehensive industry study](#) published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 10 | HS Codes Related to Bearings

HS Code	Definition
8482.10	Ball bearings
8482.20	Tapered roller bearings, including cone and tapered roller assemblies
8482.30	Spherical roller bearings
8482.40	Needle roller bearings
8482.50	Cylindrical roller bearings
8482.80	Other ball or roller bearings, including combined ball/roller bearings
8482.91	Balls, needles, and rollers for bearings
8482.99	Parts of bearings
8483.20	Housed bearing, incorporating ball or roller bearings
8483.30	Bearing housings; plain shaft bearings

Source: United Nations Statistics Division

About This Report

Table 11 | NAICS & SIC Codes Related to Bearings

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
332991	Ball and roller bearing manufacturing	3562	Ball and roller bearings
333613	Mechanical power transmission equipment manufacturing	3568	Mechanical Power transmission equipment, Nec

Source: US Census Bureau

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and

About This Report

ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

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Resources

The Freedonia Group

Global Bearings

Freedonia Industry Studies

Commercial Refrigeration Equipment

Gaskets & Seals

Global Agricultural Equipment

Global Buses

Global Construction Machinery

Global Diesel Engines

Global Forestry Equipment

Global Industrial Fasteners

Global Lubricants

Global Mining Equipment

Global Motor Vehicle Outlook 2020

Global Motorcycles

Global Off-Road Equipment Technology 2021

HVAC Equipment

Industrial Fasteners

Power Lawn & Garden Equipment

Freedonia Focus Reports

Fabricated Metal Products: United States

Lubricants: China

Lubricants: United States

Motor Vehicles: Europe

Power Transmission Components: United States

Freedonia Custom Research

Trade Publications

BearingNEWS

Evolution

Machinery Lubrication

Machinery Magazine

Power Transmission Engineering

Processing Magazine

Agencies & Associations

American Bearing Manufacturers Association (ABMA)

Brazilian Institute of Economics

China Bearing Industry Association (CBIA)

Eurostat

Federation of European Bearing Manufacturers' Associations (FEBMA)

International Monetary Fund

International Organization for Standardization (ISO)

Japan Bearing Industry Association (JBIA)

Ministry of Economy, Trade and Industry – Japan

National Institute of Statistics and Geography – Mexico

Organisation for Economic Co-operation and Development

Statistics Canada

Statistics Korea

United Nations Comtrade

United States Census Bureau

United States International Trade Commission

World Bearing Association

World Customs Organization