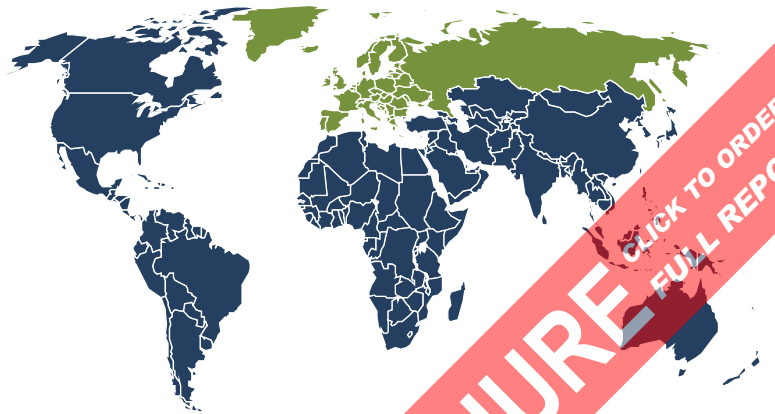




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# Bearings: Europe

May 2021



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# About This Report

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## Scope

This report forecasts to 2025 bearings demand and shipments in nominal US dollars at the manufacturer level in Europe. Total demand is segmented by product in terms of:

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

Total demand is also segmented by market as follows:

- machinery
- motor vehicles
- aerospace equipment
- motorcycles
- other markets such as appliances, bicycles, and boats

To illustrate historical trends, total demand is provided in annual series from 2010 to 2020; shipments and the various segments are reported at five-year intervals for 2010, 2015, and 2020.

Excluded from the scope of this report are adaptor and withdrawal sleeves; flexure, fluid, and magnetic bearings; lock nuts and washers; lubricators; and 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 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.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

For the purposes of this report, Europe encompasses the following countries:

## About This Report

**Table 6 | Countries in Western Europe**

Andorra	Germany*	Italy*	Portugal
Austria	Gibraltar	Jersey	Saint Pierre and Miquelon
Belgium	Greece	Liechtenstein	San Marino
Channel Islands	Greenland	Luxembourg	Spain*
Denmark	Guernsey	Malta	Sweden
Faeroe Islands	Iceland	Monaco	Switzerland
Finland	Ireland	Netherlands	United Kingdom*
France*	Isle of Man	Norway	Vatican City

Note: \*Major bearings markets.

Source: The Freedonia Group

**Table 7 | Countries in Eastern Europe**

Albania	Hungary	Romania
Belarus	Latvia	Russia*
Bosnia and Herzegovina	Lithuania	Serbia
Bulgaria	Macedonia	Slovakia
Croatia	Moldova	Slovenia
Czech Republic	Montenegro	Ukraine
Estonia	Poland	

Note: \*Major bearings market.

Source: The Freedonia Group

## Sources

*Bearings: Europe* (FE70019) is based on *Global Bearings*, 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 and non-governmental 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

## About This Report

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

## Industry Codes

**Table 8 | 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

**Table 9 | NACE Codes Related to Bearings**

NACE Code	Definition
28.15	Manufacture of bearings, gears, gearing and drive elements

Source: European Commission

## 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

## About This Report

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 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*

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*Adhesives & Sealants: United Kingdom*

*COVID-19 Market Impact Analysis*

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*Fabricated Metal Products: United States*

*Food Processing Machinery: Europe*

*Global Demographics*

*Global Light Vehicles*

*Global Macroeconomy*

*Global Medium- & Heavy-Duty Trucks & Buses*

*HVAC Equipment: United Kingdom*

*Industrial Fasteners: Europe*

*Motor Vehicles: Europe*

*Motorcycles: Europe*

*Power Transmission Components: United States*

*Transport Equipment: 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)

Eurostat

Federation of European Bearing Manufacturers' Associations (FEBMA)

International Monetary Fund

International Organization for Standardization (ISO)

Organisation for Economic Co-operation and Development

United Nations Comtrade

World Bank

World Bearing Association

World Customs Organization