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Global Collection

Bearings: Canada

November 2018



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About This Report

Scope

This report forecasts to 2022 bearing demand and shipments in nominal US dollars at the manufacturer level in Canada. Total demand is segmented by product in terms of:

- unmounted ball bearings
- unmounted roller bearings
- unmounted plain bearings
- mounted and combined ball/roller bearings and separately sold bearing parts (including balls, rollers, cages, cups, and rings)

Total demand is also segmented by market as follows:

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

To illustrate historical trends, total demand is provided in annual series from 2007 to 2017; shipments and the various segments are reported at five-year intervals for 2007, 2012, and 2017.

Excluded from the scope of this report are:

- adaptor and withdrawal sleeves
- flexure, fluid, magnetic, and other types of 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 example, cages manufactured by one company and balls made by another firm might be sold to a third enterprise, which uses these and other components fabricated internally to produce unmounted ball bearings. These bearings might then be sold to a fourth company, which uses them and housing purchased from a fifth firm to assemble mounted ball bearing units, which are then sold to end users. Each of the business transactions by these five enterprises is reported as a bearing product sale. As a result, final sales to bearing users are somewhat different in dollar terms than total bearing company product sales.

About This Report

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 2017.

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.

Sources

Bearings: Canada (FA70019) 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

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

Industry Codes

Table 6 | NAICS & SIC Codes Related to Bearings

NAICS/SCIAN 2007		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

About This Report

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 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

Automotive Aftermarket for Powertrain Components in North America

Automotive Lubricants Market in Canada

Gaskets & Seals Market in the US

Global Automotive Lubricants

Global Bus Market

Global Construction Machinery

Global Diesel Engines Market

Global Hybrid & Electric Vehicles

North America Automotive Aftermarket

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Fabricated Metal Products: United States

Global Light Vehicles

Hybrid & Electric Vehicles: Canada

Mining Equipment: Canada

Motorcycles: Canada

Repair Services: United States

Freedonia Custom Research

Trade Publications

BearingNEWS

Evolution

Machinery Lubrication

Machinery

Power Transmission Engineering

Processing

Agencies & Associations

American Bearing Manufacturers Association

Bearing Industry Code of Conduct

International Organization for Standardization

Power Transmission Distributors Association

Statistics Canada

United Nations Comtrade

World Bearing Association