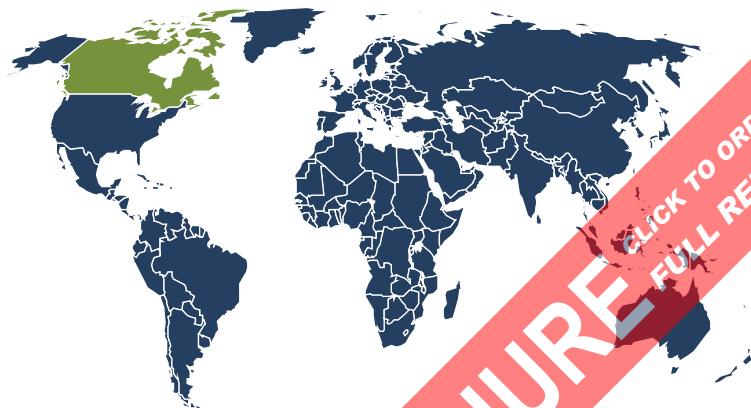




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# Industrial Fasteners: Canada

January 2020



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# About This Report

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## Scope

This report forecasts to 2023 industrial fastener demand and production in nominal US dollars at the manufacturer level in Canada. Total demand is segmented by product in terms of:

- externally threaded
- internally threaded
- nonthreaded
- application-specific
- aerospace-grade

Total demand is also segmented by market as follows:

- motor vehicles
- machinery
- other original equipment manufacturing (OEM) markets such as fabricated metal products, and aerospace, electronic, and electrical equipment
- maintenance and repair operations
- construction

To illustrate historical trends, total demand is provided in annual series from 2008 to 2018; production and the various segments are reported at five-year intervals for 2008, 2013, and 2018.

This report analyzes the supply of and demand for industrial mechanical fasteners. Excluded from the scope of this report are:

- nails, brads, spikes, tacks, and related items
- adhesives and other joining/bonding products
- nonindustrial type products like buttons, paper clips, and zippers

For the purposes of this report, the term “aerospace-grade” refers to a category of high-performance industrial fasteners manufactured to the specifications of aerospace/defense companies and agencies. End-use applications for these fasteners, however, are not confined to the aircraft/aerospace industries; they can also include construction, high-performance automobiles, industrial machinery, and various other settings where the capabilities of such fasteners are warranted.

## About This Report

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

*Industrial Fasteners: Canada* (FA70011) is based on *Global Industrial Fasteners*, 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 Industrial Fasteners

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
332722	Bolt, nut, screw, rivet, and washer mfg	3452	Bolts, nuts, rivets, and washers

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

## About This Report

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 Industrial Fasteners*

### Freedonia Industry Studies

*Behind the Wall Plumbing*

*Global Adhesives & Sealants*

*Global Agricultural Equipment*

*Global Bearings*

*Global Buses*

*Global Commercial Refrigeration Equipment*

*Global Construction Machinery*

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