

Freedonia Focus Reports  
Global Collection



# Global Industrial Fasteners

January 2020



CLICK TO ORDER  
FULL REPORT

**BROCHURE**

CLICK TO ORDER  
FULL REPORT

[www.freedoniafocusreports.com](http://www.freedoniafocusreports.com)

# Table of Contents

---

<b>1. Highlights</b>	<b>3</b>
<b>2. Global Overview &amp; Forecasts</b>	<b>5</b>
Demand by Product	5
Externally Threaded	6
Internally Threaded	6
Nonthreaded	7
Application-Specific	7
Aerospace-Grade	7
Demand by Market	9
Motor Vehicles	10
Machinery	10
Other OEM Markets	11
Maintenance & Repair Operations	12
Construction	12
<b>3. Regional Segmentation &amp; Forecasts</b>	<b>14</b>
Regional Production Overview	14
Regional Demand Overview	16
North America	18
Western Europe	20
Asia/Pacific	22
Other Regions	24
Central & South America	25
Eastern Europe	25
Africa/Mideast	26
<b>4. Industry Structure</b>	<b>27</b>
Industry Characteristics	27
Market Share	28
Illinois Tool Works	29
Berkshire Hathaway	30
Stanley Black & Decker	30
<b>5. About This Report</b>	<b>31</b>
Scope	31
Sources	32
Industry Codes	32
Freedonia Methodology	33
Resources	35

# List of Tables & Figures

---

Figure 1   Global Industrial Fastener Market Outlook, 2018 – 2023	4
Figure 2   Global Industrial Fastener Demand by Product, 2008 – 2023 (US\$ bil)	5
Table 1   Global Industrial Fastener Demand by Product, 2008 – 2023 (US\$ mil)	5
Figure 3   Global Industrial Fastener Demand by Product, 2008 – 2023 (%)	8
Figure 4   Global Industrial Fastener Demand by Market, 2008 – 2023 (US\$ bil)	9
Table 2   Global Industrial Fastener Demand by Market, 2008 – 2023 (US\$ mil)	9
Figure 5   Global Industrial Fastener Demand by Market, 2008 – 2023 (%)	13
Figure 6   Global Industrial Fastener Production by Region, 2008 – 2023 (US\$ bil)	14
Table 3   Global Industrial Fastener Production by Region, 2008 – 2023 (US\$ mil)	14
Figure 7   Global Industrial Fastener Production by Region, 2008 – 2023 (%)	15
Figure 8   Global Industrial Fastener Demand by Region, 2008 – 2023 (US\$ bil)	16
Table 4   Global Industrial Fastener Demand by Region, 2008 – 2023 (US\$ mil)	16
Figure 9   Global Industrial Fastener Demand by Region, 2008 – 2023 (%)	17
Figure 10   North America: Industrial Fastener Demand by Product, 2008 – 2023 (US\$ bil)	18
Figure 11   North America: Industrial Fastener Demand by Market, 2008 – 2023 (US\$ bil)	18
Table 5   North America: Industrial Fastener Demand by Product & Market, 2008 – 2023 (US\$ mil)	19
Figure 12   Western Europe: Industrial Fastener Demand by Product, 2008 – 2023 (US\$ bil)	20
Figure 13   Western Europe: Industrial Fastener Demand by Market, 2008 – 2023 (US\$ bil)	20
Table 6   Western Europe: Industrial Fastener Demand by Product & Market, 2008 – 2023 (US\$ mil)	21
Figure 14   Asia/Pacific: Industrial Fastener Demand by Product, 2008 – 2023 (US\$ bil)	22
Figure 15   Asia/Pacific: Industrial Fastener Demand by Market, 2008 – 2023 (US\$ bil)	22
Table 7   Asia/Pacific: Industrial Fastener Demand by Product & Market, 2008 – 2023 (US\$ mil)	23
Figure 16   Other Regions: Industrial Fastener Demand by Region, 2008 – 2023 (US\$ bil)	24
Figure 17   Other Regions: Industrial Fastener Demand by Product, 2008 – 2023 (US\$ bil)	24
Table 8   Other Regions: Industrial Fastener Demand by Region & Product, 2008 – 2023 (US\$ mil)	26
Figure 18   Global Industrial Fastener Market Share by Company, 2018 (%)	28
Table 9   Leading Suppliers to the Global Industrial Fastener Market	29
Table 10   NAICS & SIC Codes Related to Industrial Fasteners	32
Table 11   NACE Codes Related to Industrial Fasteners	32
Table 12   HS Codes Related to Industrial Fasteners	33

# About This Report

---

## Scope

This report forecasts to 2023 global demand for industrial fasteners by product, market, and major world region in nominal US dollars at the manufacturer level. Product segments include:

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

Reported markets encompass:

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

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 2008, 2013, and 2018. Finally, global production is segmented by major world region and provided for 2008, 2013, 2018, and 2023.

This report analyzes the global 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-

## About This Report

performance automobiles, industrial machinery, and various other settings where the capabilities of such fasteners are warranted.

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 Industrial Fasteners* (FW70011) 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 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 10 | NAICS & SIC Codes Related to Industrial Fasteners

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

Source: US Census Bureau

Table 11 | NACE Codes Related to Industrial Fasteners

NACE Code	Definition
25.94	Manufacture of fastener and screw machine products

Source: European Commission

## About This Report

**Table 12 | HS Codes Related to Industrial Fasteners**

HS Code	Definition
7318.11	Coach screws, threaded, of iron or steel
7318.12	Wood screws other than coach screws, threaded, of iron or steel
7318.13	Screw hook and screw rings, threaded, of iron or steel
7318.14	Self-tapping screws, threaded, of iron or steel
7318.15	Threaded screws and bolts nesoi, with or without their nuts or washers, of iron or steel
7318.16	Nuts, threaded, of iron or steel
7318.19	Threaded articles of iron or steel nesoi
7318.21	Spring washers and other lock washers, of iron or steel
7318.22	Washers, other than lock washers, of iron or steel
7318.23	Rivets of iron or steel
7318.24	Cotters and cotter pins, of iron or steel
7318.29	Nonthreaded articles (fasteners) nesoi, of iron or steel
7415.21	Washers, including spring washers, of copper
7415.29	Rivets, cotters, cotter pins and similar articles of copper (not threaded), nesoi
7415.33	Threaded screws, bolts, and nuts of copper or iron or steel with heads of copper
7415.39	Threaded fasteners nesoi, of copper
7616.10	Nails, tacks, staples (other than in strips), screws, bolts, nuts, screw hooks, rivets and similar articles, of aluminum
8308.20	Tubular or bifurcated rivets, of base metal

Source: United Nations Statistics Division

## 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.

## About This Report

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.

## Copyright & Licensing

The full report is protected by copyright laws of the United States of America and international treaties. The entire contents of the publication are copyrighted by The Freedonia Group.

## 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*

*Global Diesel Engines*

*Global HVAC Equipment*

*Global Industrial Rubber Products*

*Global Industrial Valves*

*Global Machine Tools*

*Global Mining Equipment*

*Global Pumps Market*

*Global Rubber Conveyor Belts*

*Global Thermoplastic Elastomers*

*Plumbing Fittings Market in the US*

*Plumbing Fixtures Market in the US*

*Windows & Doors*

### Freedonia Focus Reports

*Civil Aircraft: United States*

*Computers & Peripherals: United States*

*Construction: United States*

*Electronic Components: United States*

*Global Light Vehicles*

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

*Hardware: United States*

*Manufacturing: United States*

*Paper Industry Machinery: United States*

*Small Kitchen Appliances: United States*

*Thermoplastic Resins: United States*

*Window & Door Components: United States*

### Freedonia Custom Research



### Trade Publications

*Aerospace & Design Technology*

*American Fastener Journal*

*Assembly*

*Design News*

*Fastener Technology International*

### Agencies & Associations

Bank of Japan

Bureau of Foreign Trade (Taiwan)

European Fastener Distributor Association

Eurostat

Federal Statistical Office (Germany)

Industrial Fasteners Institute

Instituto Brasileiro de Geografia e Estatística

Instituto Nacional de Estadística y Geografía (Mexico)

Korean Statistical Information Service

Ministry of Economy, Trade, and Industry (Japan)

National Bureau of Statistics of China

National Fastener Distributors Association

National Institute of Statistics and Economic Studies (France)

Office for National Statistics (United Kingdom)

Office of the Economic Adviser (India)

Statistics Canada

Turkish Statistical Institute

United Nations Comtrade

United States Census Bureau

United States International Trade Commission