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Power Transmission Components: United States

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About This Report

Scope

This report forecasts to 2023 US power transmission component demand and shipments in nominal US dollars at the manufacturer level. Total demand and shipments are segmented by product in terms of:

- motor vehicle transmissions and powertrain parts
- ball and roller bearings
- gears and gearboxes
- mechanical power transmission products

To illustrate historical trends, total demand; total shipments; the various segments; trade; and US firm, establishment, and employment data are provided in annual series from 2008 to 2018.

Excluded from the scope of this report are automotive engine bearings as well as flexure, fluid, and magnetic bearing products. Also excluded are related bearing hardware such as adaptor and withdrawal sleeves, locknuts and washers, lubricators, and retaining plates. In addition, certain types of power transmission components (e.g., ball, swivel, and universal joints) for use in aerospace equipment are excluded from the scope of this report, although bearings for aerospace equipment are included in the bearings segment. Re-exports of power transmission components are excluded from demand and trade figures.

Key macroeconomic indicators are also provided with quantified trends. 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

Power Transmission Components: United States (FF70010) represents the synthesis and analysis of data from various 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 9 | NAICS & SIC Codes Related to Power Transmission Components

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
332991	Ball and Roller Bearing Mfg	3562	Ball and Roller Bearings
333612	Speed Changer, Industrial High-Speed Drive, and Gear Mfg	3566	Speed Changers, Industrial High-Speed Drives and Gears
333613	Mechanical Power Transmission Equipment Mfg	3568	Mechanical Power Transmission Equipment, NEC
336350	Motor Vehicle Transmission and Power Train Parts Mfg	3714	Motor Vehicle Parts and Accessories

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.

About This Report

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

Freedonia Industry Studies

Automotive Aftermarket for Powertrain Components in North America

Global Bearings

Global Buses

Global Diesel Engines

Global Hybrid & Electric Vehicles

Global Tires

Freedonia Focus Reports

Civil Aircraft: United States

Electric Motors: United States

Electric Power Transmission & Distribution Equipment: United States

Fabricated Metal Products: United States

Global Light Vehicles

Global Medium- & Heavy-Duty Vehicles

Hoses & Belts: United States

Hybrid & Electric Vehicles: United States

Insulated Wire & Cable: United States

Manufacturing: United States

Medium- & Heavy-Duty Trucks & Buses: United States

Motorcycles: United States

Motor Vehicles: United States

Transport Equipment: United States

Freedonia Custom Research

Trade Publications

Automotive Industries

Automotive News

Bearing News

Design News

Drives & Controls

Gear Solutions

Gear Technology

Machine Design

Power Transmission Engineering

Power Transmission World

Agencies & Associations

American Bearing Manufacturers Association
American Gear Manufacturers Association
American National Standards Institute
Bearing Specialists Association
Mechanical Power Transmission Association
SAE International
The International Organization for Standardization
United States Department of Agriculture
United States Department of Commerce
 Bureau of Economic Analysis
 United States Census Bureau
United States Department of Transportation
 Federal Aviation Administration
 National Highway Traffic Safety Administration
United States Environmental Protection Agency
United States International Trade Commission
World Bearing Association