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# World Bearings

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Industry Study with Forecasts for **2016 & 2021**

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Study #2903 | July 2012 | \$6300 | 452 pages

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**The Freedonia Group**

767 Beta Drive

Cleveland, OH • 44143-2326 • USA

Toll Free US Tel: 800.927.5900 or +1 440.684.9600

Fax: +1 440.646.0484

E-mail: [info@freedoniagroup.com](mailto:info@freedoniagroup.com)

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

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*Unmounted ball and roller bearings will account for nearly three-quarters of total world bearings sales, with the market for these products reaching more than \$71 billion.*

## Global demand to rise 7.8% yearly through 2016

Global demand for bearings is projected to grow 7.8 percent annually to \$96 billion in 2016. Unmounted ball and roller bearings will account for nearly three-quarters of total sales, with the market for these products reaching more than \$71 billion. Sales of unmounted plain bearings will rise to \$12 billion in 2016, while aggregate demand for mounted bearings, bearing parts, and combination-type bearings will be nearly \$13 billion. In mature bearing markets (such as Western Europe, Japan, and the US), growth in demand for bearings will be driven by rebounding motor vehicle production and a healthy fixed investment environment. In nations where the bearing market is still developing, sales will rise on rapidly increasing durable goods manufacturing output and the improving ability of the average consumer to purchase items such as appliances and motor vehicles, thereby boosting bearing demand from manufacturers of these goods and in the aftermarket.

## Asia/Pacific region to post fastest market gains

The Asia/Pacific region will post the fastest gains of any region between 2011 and 2016 -- climbing an average of 10 percent per year to \$54 billion in bearing sales and accounting for more than half of the world total. Demand in China will rise fastest among the major markets in the region. Bearing sales in the country

## World Bearing Demand, 2011 (\$65.9 billion)



are expected to increase nearly 13 percent annually, stimulated by rapidly expanding motor vehicle and machinery production, combined with a strong aftermarket in industrial equipment and motor vehicle repair. In 2016, bearing sales to customers in China will account for one-third of the world total, and by 2021 the market will exceed those in North America and Western Europe combined.

## Demand in largest mature markets to accelerate

Demand for bearings in Japan, the nations of Western Europe, and the US -- the largest mature markets -- will expand faster than it did during the

2006-2011 period. In most of these countries, manufacturing activity -- especially motor vehicle output -- plummeted between 2007 and 2009, before strengthening in 2010 and 2011. Bearing demand followed the same pattern, falling between 2007 and 2009 before turning upward in 2010 and 2011. As manufacturing output continues to recover, gains in bearing demand will be well above those posted during the 2001-2011 period, due partially to the modest levels of sales in 2011. Growing needs for industrial products and a variety of durable goods in the developing world will aid in the rapid acceleration of bearing sales to original equipment manufacturers operating in Japan, North America, and Western Europe.

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## Sample Text, Table & Chart

### ASIA/PACIFIC

Shipments of bearings from facilities in China are projected to expand by 1.5 billion in 2016. The national surplus is expected to be maintained from its 2011 level. Large increases in demand are being equivalent to two times the primary domestic consumption. Demanders of bearings remain one of the lowest in the world. Demanders of bearings continue to be an important part of the nation by foreign investment in the nation by foreign firms (such as SKF, which has a new bearing plant built near Dalian began operations in September 2011) is designed to capture the advantages and growing market available in China. A healthy market will also provide significant motivation for continued growth.

Domestic manufacturers are also targeting high end bearings. Many Chinese producers are expected to work to boost the value of their output, although such changes will be slow. Since foreign firms have already developed the technology needed for high end bearings, a common strategy involves partnering with Chinese producers to gain access to existing bearing technology. For instance, NSK purchased a ten percent stake in a local manufacturer, Gongzhuling Bearing, in June 2012. NSK is working to double its share of the Chinese market, and so will transfer some of its high-technology bearing production to Gongzhuling Bearing. Several firms based in China are making massive investments in research and development (R&D) in an effort to catch up to US and Japanese producers.

Although there has been significant investment by many international bearing manufacturers, the majority of production in China is dominated by mid-sized domestic bearing manufacturers specializing in commodity-grade bearings. Roughly 2,000 firms make bearings. Major locally-based producers include C&U Group, Gongzhuling

163

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**SAMPLE  
TEXT**

TABLE VI-3

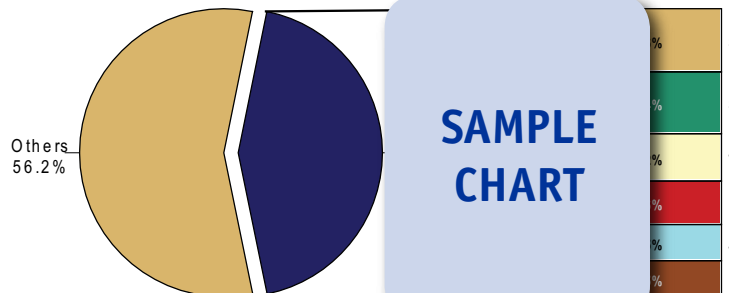
### CHINA: BEARING SUPPLY & DEMAND (million dollars)

Item	2001	2006	2011	2016	2021
Population (mil persons)	1.2	1.3	1.4	1.5	1.6
per capita GDP	1,000	2,000	3,000	4,000	5,000
Gross Domestic Product (bil 2010\$)	10,000	20,000	30,000	40,000	50,000
% fixed investment	30	35	40	45	50
Gross Fixed Investment (bil 2010\$)	3,000	7,000	12,000	18,000	25,000
Manufacturing Value Added (bil 2010\$)	10,000	20,000	30,000	40,000	50,000
\$ bearings/capita	0.0001	0.0002	0.0003	0.0004	0.0005
\$ bearings/000\$ GFI	0.0001	0.0002	0.0003	0.0004	0.0005
\$ bearings/000\$ MVA	0.0001	0.0002	0.0003	0.0004	0.0005
Motor Vehicle Production (000)	1,000	2,000	3,000	4,000	5,000
Bearing Demand	100,000	200,000	300,000	400,000	500,000
net exports	0	0	0	0	0
Bearing Shipments	100,000	200,000	300,000	400,000	500,000
% China	100	100	100	100	100
Asia/Pacific Bearing Shipments	100,000	200,000	300,000	400,000	500,000

**SAMPLE  
TABLE**

CHART VIII-1

### WORLD BEARING MARKET SHARE BY COMPANY (\$66 billion, 2011)



**SAMPLE  
CHART**

## Sample Profile, Table & Forecast

**TABLE VI-4**  
**CHINA: BEARING DEMAND BY PRODUCT & MARKET**  
 (million dollars)

Item	2001	2006	2011	2016	2021
Asia/Pacific Bearing Demand	9,000	11,000	13,000	15,000	17,000
% China	10	12	14	16	18
China Bearing Demand	900	1,320	1,820	2,400	3,060
By Product:					
Ball Bearings	450	660	910	1,200	1,530
Roller Bearings	300	440	606	800	1,020
Plain Bearings	150	220	303	400	510
Other Bearings & Bearing Parts	150	220	303	400	510
By Market:					
Motor Vehicles	150	220	303	400	510
Machinery	150	220	303	400	510
Other	150	220	303	400	510
Aerospace Equipment	150	220	303	400	510
All Other	150	220	303	400	510

**SAMPLE  
PROFILE**

### COMPANY PROFILES

#### Danaher Corporation

2200 Pennsylvania Avenue Northwest, Suite 800W  
 Washington, DC 20037  
 202-828-  
 http://w

Sales: \$  
 Employ

Key Pro

Danaher Corporation is a professional, medical, industrial, and consumer products. The Company operates in five segments: Dental, Test and Measurement, Environmental, Life Sciences and Diagnostics, and Industrial Technologies.

The Company is active in the world bearing industry through the Industrial Technologies segment, which had 2011 sales of \$3.1 billion. The segment manufactures linear and bushing bearings, among other products, via its Motion division, which markets its products to the industrial automation and packaging markets.

Danaher's bearings are primarily produced by the Motion division's Thomson Industries Incorporated subsidiary (Radford, Virginia), part of Danaher Specialty Products (Elizabethtown, North Carolina). Thomson Industries' products, which are suited to such demanding applications as high vibration environments or harsh weather, are sold under the THOMSON, MICRON, DELTRAN, and CLEVELAND brand names. THOMSON products include linear bearings in a range of inch and metric linear types in nine series. For example, the SUPER SMART BALL BUSHING bearings series are self-aligning, high load capacity types. These are available with optional features, including

"Sales of bearings in China are projected to advance 13 percent per annum to \$32.1 billion in 2016, slower than the 2006-2011 pace but still above the regional average. Continued strong growth in gross fixed investment will provide a general boost to the bearing market as firms from around the world invest in manufacturing capacity in the nation, boosting both OEM and MRO bearing needs. Rising per capita incomes will increase the market for motor vehicles, motorcycles, and appliances, all of which require large numbers of bearings in their manufacture and maintenance."  
 --Section VI, pg. 162



**OTHER STUDIES**

**World Industrial Fasteners**

Global sales of industrial fasteners are expected to climb 5.2 percent per year to \$82.9 billion in 2016. Standard externally threaded fasteners will remain the dominant product segment and will post the largest value gains. The Asia/Pacific region will record the fastest demand gains, driven by India and China. This study analyzes the \$64 billion world industrial fastener industry, with forecasts for 2016 and 2021 by product, market, world region and for 27 major countries. The study also evaluates company market share and profiles industry participants.  
 #2915 ..... September 2012..... \$6300

**World Material Handling Products**

Global demand for material handling products is forecast to climb 4.0 percent annually through 2016 to \$123.6 billion. Opportunities will be best for sales of advanced equipment such as automated conveyors and automated guided vehicles. Among national markets, India and China will see the fastest gains. This study analyzes the \$101.4 billion global material handling product industry, with forecasts for 2016 and 2021 by product, market, world region and for 24 major countries. This study also evaluates company market share and profiles industry participants.  
 #2919 ..... August 2012..... \$6300

**Packaging Machinery in China**

Demand for packaging machinery in China will increase 7.5 percent annually to 40 billion yuan in 2016. Filling and form/fill/seal equipment will remain the largest segment, while labeling and coding equipment will continue as the fastest growing. The medical, pharmaceutical and personal care market will lead gains. This study analyzes the 27.8 billion yuan packaging machinery industry in China, with forecasts for 2016 and 2021 by product, market and geographic region. The study also evaluates company market share and profiles industry participants.  
 #2918 ..... July 2012..... \$5400

**World Industrial Rubber Products**

The global market for industrial rubber products is projected to increase 5.8 percent per year to \$140 billion in 2016. The Asia/Pacific region -- the largest market -- is also forecast to post the best annual growth, led by China. The motor vehicle market will grow the fastest while industrial equipment remains the largest market. This study analyzes the \$105.5 billion world industrial rubber product industry, with forecasts for 2016 and 2021 by market, product, world region and for 27 countries. The study also evaluates company market shares and profiles industry players.  
 #2888 ..... May 2012..... \$6100

**Gaskets & Seals**

US demand for gaskets and seals is forecast to increase 4.6 percent per annum to \$9.6 billion in 2016. Compression packings, body seals and expanded graphite gaskets will register the strongest growth. The growing use of better-performing, higher-priced gaskets and seals will help drive value gains. The marine and rail segment will post the fastest market advances. This study analyzes the \$7.6 billion US gasket and seal industry, with forecasts for 2016 and 2021 by type and market. The study also evaluates company market share and profiles industry players.  
 #2884 ..... May 2012..... \$4900

**About The Freedonia Group**

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