

## NEW Industry forecasts for 2012 & 2017

# World Bearings

**Study # 2383**
**August 2008**
**\$5700**

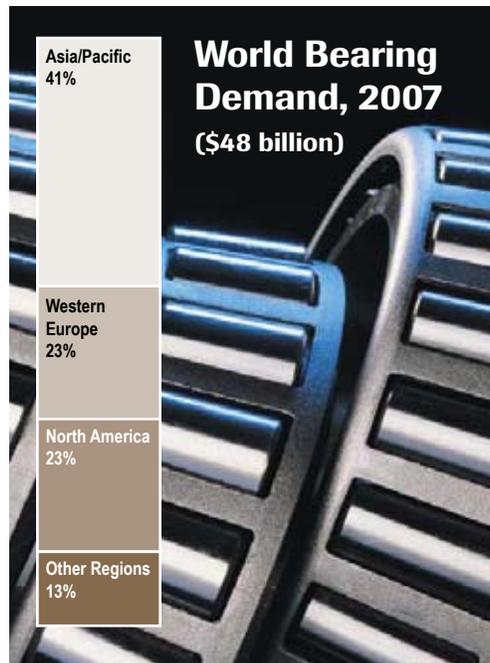
### Global demand to rise 6.4% annually through 2012

Global demand for ball, roller and plain bearings is forecast to climb 6.4 percent annually through 2012 to \$66.2 billion. Aftermarket sales gains will be limited by increases in average bearing life, reflecting the use of improved product designs, better-quality materials and better lubricants. However, growing demand for more expensive, better performing bearings will provide a counterbalance, supported in part by high energy prices, which are making highly efficient bearings a more attractive investment.

### Gains to occur in both developing, developed areas

Product demand in developing parts of Asia/Pacific, Eastern Europe, Africa/Mideast and Latin America will outpace sales in the US, Western Europe and Japan through 2012. Market advances in developing areas will be fueled by healthy economic growth, ongoing industrialization efforts and rising personal income levels, bolstering manufacturing output and fixed investment expenditures. In addition, higher living standards will help stimulate demand for automobiles and other bearing-containing durable goods, boosting both OEM and MRO bearing sales. China, India and Russia are expected to record some of the strongest gains, followed by lower-volume markets like Thailand, Indonesia, Malaysia and Romania.

Bearing demand in the US, Western Europe and Japan will rise as well. Advances will be spurred by largely favorable economic climates and higher



per capita income, resulting in increased manufacturing activity and consumer spending for durable goods. Although representing mature markets, these areas will remain the most intensive users of bearing products because of the advanced industrial and technological nature of their economies, as well as the large numbers of bearing-containing equipment in use -- supporting substantial aftermarket bearing demand.

### Unmounted roller bearings to be fastest growing type

Unmounted roller bearings will register the strongest market gains through 2012, driven by increased output of products such as construction and mining machinery, conveyors, machine tools and wind turbines. Demand for mounted and combined ball/roller bearings is also

expected to climb at an above-average rate, fueled by world economic and manufacturing sector growth, bolstering both OEM and MRO product demand. Sales of unmounted ball and plain bearings will expand at a somewhat slower pace, although suppliers will benefit from increased output of items like electrical and electronic equipment, motor vehicles and aerospace equipment.

### Aerospace equipment, electronics, medical devices among best prospects

Bearings used in non-automotive, non-industrial machinery settings will post the most robust sales gains through 2012, benefitting from the healthy outlook for a number of products included here, such as aerospace equipment, electronic devices and medical instruments. Growth in industrial machinery bearing demand is also expected to be healthy, stimulated by increases in global manufacturing activity, helping to spur associated fixed investment expenditures. Demand for bearings used in motor vehicle applications will rise at a slower rate, constrained by a shift in the product mix toward smaller cars and the greater longevity of newer bearing products.

### Study coverage

This new Freedonia industry study, *World Bearings*, is priced at \$5700. It presents historical demand data (1997, 2002, 2007) and forecasts for 2012 and 2017 by product, market, world region and for 29 countries. The study also considers market environment factors, evaluates market share and profiles leading competitors.

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# World Bearings

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Plain Bearings  
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All Other

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\* Tables for each region & country provide historical data (1997, 2002, 2007) as well as forecasts (2012, 2017) for the following:  
Bearing Supply & Demand  
Bearing Demand by Product & Market  
Pump Bearing by Country (chart)

### NORTH AMERICA

General  
Bearing Supply & Demand  
Bearing Outlook & Suppliers  
United States  
Canada  
Mexico

### WESTERN EUROPE

General  
Bearing Supply & Demand  
Bearing Outlook & Suppliers  
Germany  
France  
Italy  
United Kingdom  
Spain

Sweden  
Other Western Europe  
Belgium  
Netherlands  
Austria  
Switzerland  
All Other

### ASIA/PACIFIC

General  
Bearing Supply & Demand  
Bearing Outlook & Suppliers  
China  
Japan  
South Korea  
India  
Thailand  
Indonesia  
Taiwan  
Other Asia/Pacific  
Australia  
Malaysia  
All Other

### OTHER REGIONS

Latin America  
Brazil  
Other Latin America  
Argentina  
All Other  
Eastern Europe  
Russia  
Other Eastern Europe  
Poland  
Czech Republic  
Romania  
All Other  
Africa/Mideast  
Turkey  
South Africa  
Other Africa/Mideast

### INDUSTRY STRUCTURE

Industry Composition  
Market Share  
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Marketing & Distribution  
Cooperative Agreements  
Financial Requirements  
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- 2 Selected Cooperative Agreements
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### Company Profiles

## This study can help you:

- Determine your market & sales potential
- Learn more about industry competitors
- Assess new products & technologies
- Identify firms to merge with or acquire
- Complement your research & planning
- Gather data for presentations
- Confirm your own internal data
- Make better business decisions

### NORTH AMERICA

#### Mexico: Bearing Outlook & Suppliers

Demand for ball, roller and plain bearing products in Mexico is projected to reach \$1.5 billion in 2012, well above the 2007 level. Suppliers will benefit from the increased demand as industrialization efforts continue. Demand for industrial machinery and other durable goods will be restrained somewhat by the weak market base for bearings used in OEM applications. Gains will be restrained somewhat by the weak market funding as economic conditions

**SAMPLE PAGE**  
Explanations that support each table's data and forecasts

Shipments of bearings from plants in Mexico are forecast to increase 5.3 percent annually through 2012 to \$310 million, moderating from the 2002-2007 period and lagging demand. Advances will be spurred by additional investment in Mexican manufacturing facilities by foreign multinationals. In June 2008, for example, SKF announced plans to add two production lines at its Puebla bearing factory. Nevertheless, Mexico will continue to be dependent on external suppliers for much of its product needs, preventing industry output from rising at a faster rate. As a result, the country's already large trade deficit in bearings will widen further through 2012.

Foreign firms such as Danaher, Federal-Mogul, Kaydon, MAHLE International, RBC Bearings and SKF account for most Mexican bearing production, although smaller locally based concerns like Repuestos Para Maquinaria Industrial also make bearing products. In June 2008, MAHLE International expanded the size of its Mexican manufacturing operations with the acquisition of Clemex Mexico, a producer of ball bearings.

**COMPANY PROFILES**  
Profiles for 38 global industry competitors such as JTEKT, NSK, NTN, Schaeffler, SKF and Timken

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### ASIA/PACIFIC

TABLE VI-16

TAIWAN BEARING DEMAND BY PRODUCT & MARKET  
(million dollars)

Item	1997	2002	2007	2012	2017
Asia/Pacific Bearing Demand % Taiwan					
Taiwan Bearing Demand					
By Product:					
Ball Bearings					
Roller Bearings					
Plain Bearings					
Other Bearings & Bearing Parts					
By Market:					
Motor Vehicles					
Industrial Machinery					
Other					
Aerospace Equipment					
All Other					

**SAMPLE TABLE**  
Historical data for 1997, 2002 and 2007 as well as Freedonia forecasts for 2012 and 2017; data illustrated with the aid of 98 tables and charts

Source: The Freedonia Group, Inc.

#### Other Asia/Pacific

The remainder of the Asia/Pacific region consists of a variety of countries, ranging from the centrally planned socialist nations of Laos, North Korea and Vietnam (certain of which have introduced various degrees of market incentives into their respective economies in recent years, Laos and Vietnam in particular) to emerging market economies like Malaysia and the Philippines to the developing countries of Afghanistan, Bangladesh, Bhutan, Burma, Cambodia, Maldives, Mongolia, Nepal, Pakistan, Papua New Guinea, Sri Lanka and the numerous small island nations in the Pacific Ocean. Also included in the subregion are

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## Freedonia's methods involve:

- Establishing consistent economic and market forecasts
- Using input/output ratios, flow charts and other economic methods to quantify data
- Employing in-house analysts who meet stringent quality standards
- Interviewing key industry participants, experts and end users
- Researching a proprietary database that includes trade publications, government reports and corporate literature

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This study analyzes the global industrial fastener industry. It presents historical demand data for the years 1997, 2002 and 2007 and forecasts for 2012 and 2017 by product (e.g., externally threaded, internally threaded, nonthreaded, application-specific, aerospace-grade), market (e.g., motor vehicles, electrical and electronic equipment, industrial machinery, fabricated metal products), world region and major country. The study also considers market environment factors, evaluates company market share and profiles major producers.

#2374.....09/2008.....\$5700

## World Material Handling Products

This study analyzes the world material handling product industry. It presents historical demand data for 1997, 2002 and 2007 and forecasts for 2012 and 2017 by product (e.g., industrial trucks and lifts; conveying equipment; hoists, cranes and monorails; automated storage and retrieval systems; software and services); market (e.g., durable goods manufacturers, nondurable goods manufacturers); world region and major country. The study also considers market environment factors, evaluates market share and profiles industry players.

#2392.....08/2008.....\$5700

## Industrial Rubber Products

US demand for industrial rubber products will reach \$18.6 billion in 2012, buoyed by accelerating motor vehicle production and strong growth in the aerospace industry. Mechanical rubber goods will remain the largest segment, while other miscellaneous industrial products such as geomembranes will grow the fastest. This study analyzes the US industrial rubber product industry, with forecasts for 2012 and 2017 by product and market. It also evaluates company market share and profiles leading competitors.

#2361.....05/2008.....\$4600

## Bearings in China

Demand for bearings in China will grow 13.8% yearly through 2011 based on rapid gains in durable goods production, especially motor vehicles and industrial machinery. Commodity bearings such as deep groove ball and tapered roller types will remain the top exports. Unmounted roller bearings will grow the fastest. This study analyzes the ¥65.5 billion Chinese bearings industry, with forecasts for 2011 and 2016 by product, market and region. It also evaluates company market share and profiles leading competitors.

#2281.....01/2008.....\$5100

## Bearings

Ball, roller and plain bearing demand in the US will reach \$10.4 billion in 2011. Growth will be driven by largely favorable market conditions and by a shift toward more expensive, better performing products. Unmounted plain bearings will grow the fastest while aerospace, automotive and engine/turbine manufacturing will lead gains by market. This study analyzes the US bearing industry, with forecasts for 2011 and 2016 presented by product and market. It also details company market share and profiles major players.

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### World Bearings

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