

# **Global Instrumented Bearing Market by product type (Ball bearings, Plain bearings, Roller bearings, others), by End User (Automotive, aerospace equipment, power transition equipment, construction machinery, farm and garden machinery, oilfield machinery, others), Industry trends, Estimation & Forecast, 2016 – 2024**

<https://marketpublishers.com/r/G729AD6F879EN.html>

Date: August 2017

Pages: 125

Price: US\$ 4,379.00 (Single User License)

ID: G729AD6F879EN

## **Abstracts**

Global Instrumented Bearing Market by product type (Ball bearings, Plain bearings, Roller bearings, others), by End User (Automotive, aerospace equipment, power transition equipment, construction machinery, farm and garden machinery, oilfield machinery, others), Industry trends, Estimation & Forecast, 2016 – 2024

The global instrumented bearing market was valued at \$92.7 billion in 2016 and is projected to reach \$164.84 billion by 2024, growing at a CAGR of 7.6% during the forecast period of 2017-2024. The ball bearing segment generated the highest revenue share, accounting for more around 50% of in the global instrumented bearing market in 2016.

A machine component which restricts the relative motion to the required motion in order to reduce the friction generated between moving parts is called as a bearing. Bearing acts as an extremely enabled and precise element which enables the machinery to move at higher speeds and bear high loads with optimum efficiency and without any difficulty. In order to obtain better machine control, some instrumentation is installed in the bearings. This instrumentation may include thermocouples, temperature detectors and position sensors. The information retrieved from these sensors can be used for a wide application vertical including anti-lock braking system, tire pressure monitoring and

various other industrial sectors.

## MARKET DYNAMICS

The instrumented bearing market is majorly driven by a constant increase in the demand for instrumented bearings from the aerospace and defense industries. In nearly every industry, numerous mechanical operations require bearings as a vital component because they directly affect the processing efficiency and saves energy as well. Moreover, the growth of the market is also hiked by the increase in applications of instrumented ball bearings in varied components of motor engines, railway coaches, consumer electronics, automotive wheels, hard drives and others. However, increasing fake and forged products and reduction in after sales market can curtail the growth of instrumented bearing market. Emerging technological advancements are witnessed to bring future opportunities for the growth of the market.

## MARKET SEGMENTATION

The instrumented bearing market is segmented on the basis of product type, end user, and geography. By product type, the market is segmented into ball bearings, plain bearings, roller bearings and others. By end user, the market is segmented as automotive, aerospace equipment, power transition equipment, construction machinery, farm and garden machinery, oil field machinery and other machinery. Geographically, the market is segmented as North America, Europe, Asia Pacific and Rest of World. Ball bearing market generated the highest revenue in 2016 and is expected to grow at a CAGR of 7.4% during the forecast period.

Some major market players are SKF Group, Schaeffler Group, The Timken Company, NTN Corporation, JTEKT Corporation, NSK Ltd., and others. Top six players in the industry accounted for more than 80% of the market in 2016.

## GLOBAL INSTRUMENTED BEARING MARKET SEGMENTATION

By product type

Ball bearings

Plain bearings

Roller bearings

Others

## By End User

Automotive

Aerospace equipment

Power transition equipment

Construction machinery

Farm and garden machinery

Oilfield machinery

Other machinery

## By Geography

North America

Europe

Asia-Pacific

Rest of World

## KEY MARKET PLAYERS

SKF Group

Schaeffler Group

The Timken Company

NTN Corporation

JTEKT Corporation

NSK Ltd

Others

## Contents

### CHAPTER 1. INTRODUCTION

- 1.1. Research Methodology
  - 1.1.1. Secondary research
  - 1.1.2. Primary research
  - 1.1.3. ERC data triangulation method
- 1.2. Report Overview

### CHAPTER 2. MARKET OVERVIEW

- 2.1. Value chain analysis
- 2.2. Porter's five forces model
- 2.3. Market share analysis
- 2.4. investment opportunities
- 2.5. Strategic attempts
- 2.6. MARKET DETERMINANTS
  - 2.6.1. Key impacting factors
  - 2.6.2. DRIVERS
    - 2.6.2.1. Increasing demand in defense and aerospace industry
    - 2.6.2.2. Rise in adoption of bearings in heavy machinery
    - 2.6.2.3. Growing vehicle production
  - 2.6.3. RESTRAINTS
    - 2.6.3.1. Growing availability of counterfeit products
    - 2.6.3.2. Rise in price of steel
  - 2.6.4. OPPORTUNITIES
    - 2.6.4.1. Expansion in production of motor vehicle

### CHAPTER 3. GLOBAL INSTRUMENTED BEARING MARKET BY PRODUCT

- 3.1. introduction
- 3.2. global instrumented bearing market revenue by product, 2016-2024
- 3.3. BALL BEARING
  - 3.3.1. Current trends
  - 3.3.2. Growth & opportunities
  - 3.3.3. Global ball bearing market revenue by region, 2016-2024
- 3.4. PLAIN BEARING
  - 3.4.1. Current trends

3.4.2. Growth & opportunities

3.4.3. Global plain bearing market revenue by region, 2016-2024

### 3.5 ROLLER BEARING

3.5.1. Current trends

3.5.2. Growth & opportunities

3.5.3. Global roller bearing market revenue by region, 2016-2024

### 3.6. OTHERS

3.6.1. Current trends

3.6.2. Growth & opportunities

3.6.3. Global other market revenue by region, 2016-2024

## CHAPTER 4. GLOBAL INSTRUMENTED BEARING MARKET BY END USER

4.1. Introduction

4.2. Global instrumented bearing market revenue by end user, 2016-2024

### 4.3. AUTOMOTIVE

4.3.1. Current trends

4.3.2. Growth & opportunities

4.3.3. Global Automotive Bearing market revenue by region, 2016-2024

### 4.4. AEROSPACE EQUIPMENT

4.4.1. Current trends

4.4.2. Growth & opportunities

4.4.3. Global Aerospace equipment bearing market revenue by region, 2016-2024

### 4.5. POWER TRANSITION EQUIPMENT

4.5.1. Current trends

4.5.2. Growth & opportunities

4.5.3. Global Power transition equipment bearing market revenue by region, 2016-2024

### 4.6. CONSTRUCTION MACHINERY

4.6.1. Current trends

4.6.2. Growth & opportunities

4.6.3. Global Construction machinery bearing market revenue by region, 2016-2024

### 4.7. FARM & GARDEN MACHINERY

4.7.1. Current trends

4.7.2. Growth & opportunities

4.7.3. Global Farm & garden machinery bearing market revenue by region, 2016-2024

### 4.8. OILFIELD MACHINERY

4.8.1. Current trends

4.8.2. Growth & opportunities

- 4.8.3. Global oilfield machinery bearing market revenue by region, 2016-2024
- 4.9. OTHER MACHINERY
  - 4.9.1. Current trends
  - 4.9.2. Growth & opportunities
  - 4.9.3. Global Other machinery bearing market revenue by region, 2016-2024

## **CHAPTER 5. GLOBAL INSTRUMENTED BEARING MARKET BY GEOGRAPHY**

- 5.1. Introduction
- 5.2. Global instrumented bearing market revenue by geography, 2016-2024
- 5.3. NORTH AMERICA
  - 5.3.1. Current trends trends
  - 5.3.2. Growth & opportunities
  - 5.3.3. North America instrumented bearing market revenue by type, 2016-2024
  - 5.3.4. North America instrumented bearing market revenue by end user, 2016-2024
- 5.4. EUROPE
  - 5.4.1. Current trends
  - 5.4.2. Growth & opportunities
  - 5.4.3. Europe instrumented bearing market revenue by type, 2016-2024
  - 5.4.4. Europe instrumented bearing market revenue by end user, 2016-2024
- 5.5. ASIA PACIFIC
  - 5.5.1. Current trends
  - 5.5.2. Growth & opportunities
  - 5.5.3. APAC instrumented bearing market revenue by type, 2016-2024
  - 5.5.4. APAC instrumented bearing market revenue by end user, 2016-2024
- 5.6. REST OF THE WORLD
  - 5.6.1. Current trends
  - 5.6.2. Growth & opportunities
  - 5.6.3. ROW instrumented bearing market revenue by type, 2016-2024
  - 5.6.4. ROW instrumented bearing market revenue by end user, 2016-2024

## **CHAPTER 6. COMPANY PROFILES**

- 6.1. FEDERAL MOGHUL HOLDINGS CORPORATION
  - 6.1.1. Company overview
  - 6.1.2. Company snapshot
  - 6.1.3. Business overview
  - 6.1.4. Strategic attempts
- 6.2. C & U GROUP

- 6.2.1. Company overview
- 6.2.2. Company snapshot
- 6.2.3. Business overview
- 6.2.4. Strategic attempts
- 6.3. SKF AB.
  - 6.3.1. Company overview
  - 6.3.2. Company snapshot
  - 6.3.3. Business overview
  - 6.3.4. Strategic attempts
- 6.4. SCHAEFFLER GROUP
  - 6.4.1. Company overview
  - 6.4.2. Company snapshot
  - 6.4.3. Business overview
  - 6.4.4. Strategic attempts
- 6.5. NSK LIMITED
  - 6.5.1. Company overview
  - 6.5.2. Company snapshot
  - 6.5.3. Business overview
  - 6.5.4. Strategic attempts
- 6.6. JTEKT CORPORATION
  - 6.6.1. Company overview
  - 6.6.2. Company snapshot
  - 6.6.3. Business overview
  - 6.6.4. Strategic attempts
- 6.7. NKE AUSTRIA GMBH
  - 6.7.1. Company overview
  - 6.7.2. Company snapshot
  - 6.7.3. Business overview
  - 6.7.4. Strategic attempts
- 6.8. TIMKEN COMPANY
  - 6.8.1. Company overview
  - 6.8.2. Company snapshot
  - 6.8.3. Business overview
  - 6.8.4. Strategic attempts
- 6.9. NTN CORPORATION
  - 6.9.1. Company overview
  - 6.9.2. Company snapshot
  - 6.9.3. Business overview
  - 6.9.4. Strategic attempts



## 6.10. THK COMPANY

6.10.1. Company overview

6.10.2. Company snapshot

6.10.3. Business overview

6.10.4. Strategic attempts

## I would like to order

Product name: Global Instrumented Bearing Market by product type (Ball bearings, Plain bearings, Roller bearings, others), by End User (Automotive, aerospace equipment, power transition equipment, construction machinery, farm and garden machinery, oilfield machinery, others), Industry trends, Estimation & Forecast, 2016 – 2024

Product link: <https://marketpublishers.com/r/G729AD6F879EN.html>

Price: US\$ 4,379.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G729AD6F879EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970