

Global Automotive O - ring Industry Situation and Prospects Research report 2017

<https://marketpublishers.com/r/G0B70B47EBDEN.html>

Date: April 2017

Pages: 130

Price: US\$ 2,850.00 (Single User License)

ID: G0B70B47EBDEN

Abstracts

SUMMARY

The Global O - ring Industry Situation and Prospects Research report is a professional and in-depth study on the current state of the O - ring industry.

In 2016, the world economy expanded by just 2.2 per cent, the slowest rate of growth since the Great Recession of 2009. Underpinning the sluggish global economy are the feeble pace of global investment, dwindling world trade growth, flagO - ringg productivity growth and high levels of debt. World gross product is forecast to expand by 2.7 per cent in 2017 and 2.9 per cent in 2018, with this modest recovery more an indication of economic stabilization than a signal of a robust and sustained revival of global demand. Given the close O - rings between demand, investment, trade and productivity, the extended episode of weak global growth may prove self-perpetuating in the absence of concerted policy efforts to revive investment and foster a recovery in productivity. This would impede progress towards the Sustainable Development Goals (SDGs), particularly the goals of eradicating extreme poverty and creating decent work for all.

For the sake of making you deeply understand the O - ring industry and meeting you needs to the report contents, Global O - ring Industry Situation and Prospects Research report will stands on the report reader's perspective to provide you a deeply analysis report with the integrity of logic and the comprehensiveness of contents. We promise that we will provide to the report reader a professional and in-depth industry analysis no matter you are the industry insider?potential entrant or investor.

Firstly, the report provides a basic overview of the industry including definitions, classifications, applications and industry chain structure. The O - ring market analysis is

provided for the international market including development history, competitive landscape analysis, and major regions' development status.

Secondly, development policies and plans are discussed as well as manufacturing processes and cost structures. This report also states import/export, supply and consumption figures as well as cost, price, revenue and gross margin by regions (United States, EU, China, India and Japan), and other regions can be added.

Then, the report focuses on global major leading industry players with information such as company profiles, product picture and specification, capacity, production, price, cost, revenue and contact information. Upstream raw materials, equipment and downstream consumers analysis is also carried out. What's more, the O-ring industry development trends and marketing channels are analyzed.

Finally, the feasibility of new investment projects is assessed, and overall research conclusions are offered.

In a word, the report provides major statistics on the state of the industry and is a valuable source of guidance and direction for companies and individuals interested in the market.

Contents

1 INDUSTRY LIFE CYCLE ANALYSIS

- 1.1 Definition
- 1.2 Classification of O - ring
 - 1.2.1 Type
 - 1.2.2 Type
 - 1.2.3 Type
- 1.3 Application of O - ring
 - 1.3.1 Application
 - 1.3.2 Application
 - 1.3.3 Application
- 1.4 Market size 2012-2017
- 1.5 Market growth and demand growth rate
- 1.6 Product technical level
- 1.7 Profit marO - rings of O - ring industry

2 INDUSTRY MARKET STRUCTURE ANALYSIS

- 2.1 Supply & Consumption Analysis 2012-2017
 - 2.1.1 North America
 - 2.1.2 Europe
 - 2.1.3 Japan
 - 2.1.4 India
 - 2.1.5 China
 - 2.1.6 The rest of the world
- 2.2 Competitor comparison
 - 2.2.1 Major Manufacture market size analysis 2012-2017
 - 2.2.2 Major Manufacture Revenue analysis 2012-2017
 - 2.2.3 Major Manufacture price?cost and gross MarO - ring analysis 2012-2017
- 2.3 Price?cost and gross MarO - ring analysis
- 2.4 Industry concentration

3 INDUSTRY MARKET ENVIRONMENT ANALYSIS

- 3.1 Industry requirements for resources and technology
- 3.2 Industry technology development trend
- 3.3 The impact of national macro policy on Industry

3.4 Other influencing factors

4 COMPETITIVE PATTERN ANALYSIS

4.1 Industry competitive structure analysis by Region 2012-2017

4.2 Industry competitive structure analysis by Manufacture 2012-2017

4.3 Market barriers to entry analysis

4.4 Threat of substitutes

4.5 O - ring industry chain bargaining power analysis

4.6 Manufacturer stress analysis

4.6.1 Manufacturer concentration

4.6.2 The proportion of products in the manufacturer's products

4.6.3 Manufacturer profitability analysis

5 MAJOR MANUFACTURERS ANALYSIS

5.1 Company One

5.1.1 Company profile

5.1.2 Product introduction

5.1.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017

5.2 Company Two

5.2.1 Company profile

5.2.2 Product introduction

5.2.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017

5.3 Company Three

5.3.1 Company profile

5.3.2 Product introduction

5.3.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017

5.4 Company Four

5.4.1 Company profile

5.4.2 Product introduction

5.4.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017

5.5 Company Five

5.5.1 Company profile

5.5.2 Product introduction

5.5.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis
2012-2017

5.6 Company Six

5.6.1 Company profile

5.6.2 Product introduction

5.6.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis
2012-2017

5.7 Company Seven

5.7.1 Company profile

5.7.2 Product introduction

5.7.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis
2012-2017

5.8 Company Eight

5.8.1 Company profile

5.8.2 Product introduction

5.8.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis
2012-2017

5.9 Company Nine

5.9.1 Company profile

5.9.2 Product introduction

5.9.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis
2012-2017

5.10 Company Ten

5.10.1 Company profile

5.10.2 Product introduction

5.10.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis
2012-2017

5.11 Company

5.11.1 Company profile

5.11.2 Product introduction

5.11.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis
2012-2017

5.12 Company

5.12.1 Company profile

5.12.2 Product introduction

5.12.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis
2012-2017

5.13 Company

5.13.1 Company profile

- 5.13.2 Product introduction
- 5.13.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis
2012-2017
- 5.14 Company
 - 5.14.1 Company profile
 - 5.14.2 Product introduction
 - 5.14.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis
2012-2017
- 5.15 Company
 - 5.15.1 Company profile
 - 5.15.2 Product introduction
 - 5.15.3 Capacity, Production, price, revenue, cost and gross MarO - ring analysis
2012-2017
- 5.16 Company
- 5.17 Company
- 5.18 Company
- 5.19 Company
- 5.20 Company

6 PRODUCT DIFFERENTIATION ANALYSIS

- 6.1 Consumption survey analysis 2012-2017
- 6.2 Investigation and analysis of consumer groups
 - 6.2.1 Consumer group structure
 - 6.2.2 Characteristics of different consumer groups
 - 6.2.3 Downstream consumer market demand
- 6.3 Consumption regional market survey
- 6.4 Brand satisfaction survey
 - 6.4.1 Brand structure
 - 6.4.2 Brand regional differences analysis
 - 6.4.3 Brand satisfaction analysis

7 CHANNEL ANALYSIS (MARKETING MODEL AND IMPORT & EXPORT)

- 7.1 Sales channel analysis
- 7.2 Composition of consumption place
- 7.3 Import & Export market analysis 2012-2017
 - 7.3.1 Import & Export market structure
 - 7.3.2 Regional pattern of import & Export market

7.3.3 Consumption value and Growth rate statistics

8 INDUSTRY CHAIN AND MANUFACTURING COST ANALYSIS

8.1 Upstream Major Raw Materials Suppliers Analysis of O - ring

8.1 Major Raw Materials Suppliers with Contact Information Analysis of O - ring

8.1.2 Major Raw Materials Suppliers with Supply Volume Analysis of O - ring by Regions

8.2 Upstream Major Equipment Suppliers Analysis of O - ring

8.2.1 Major Equipment Suppliers with Contact Information Analysis of O - ring

8.2.2 Major Equipment Suppliers with Product Pictures Analysis of O - ring by Regions

8.3 Downstream Major Consumers Analysis of O - ring

8.3.1 Major Consumers with Contact Information Analysis of O - ring

8.3.2 Major Consumers with Consumption Volume Analysis of O - ring by Regions

8.4 Supply Chain Relationship Analysis of O - ring

8.5 Raw Material Suppliers and Price Analysis of O - ring

8.6 Labor Cost Analysis of O - ring

8.7 Manufacturing Cost Structure Analysis of O - ring

8.8 Other Costs Analysis of O - ring

8.9 Manufacturing Cost Structure Analysis of O - ring

8.10 Manufacturing Process Analysis of O - ring

9 INDUSTRY DEVELOPMENT TREND ANALYSIS

9.1 Supply & Consumption Analysis 2017-2021

9.1.1 North America

9.1.2 Europe

9.1.3 Japan

9.1.4 India

9.1.5 China

9.1.6 The rest of the world

10 STRATEGIC ANALYSIS

11 CONCLUSION

12 APPENDIX

Author List

Disclosure Section
Research Methodology
Data Source
China Disclaimer

List Of Tables

LIST OF TABLES AND FIGURES

Figure Picture of O - ring

Table Type of O - ring

Figure Global Production Market Share of O - ring by Type in 2016

Figure O - ring Product Picture and Specifications of Type 1

Figure Global market size and Growth rate of Type 1 in 2012-2017

Figure O - ring Product Picture and Specifications of Type 2

Figure Global market size and Growth rate of Type 2 in 2012-2017

Figure O - ring Product Picture and Specifications of Type 3

Figure Global market size and Growth rate of Type 3 in 2012-2017

Table Applications of O - ring

Figure Global Consumption Volume Market Share of O - ring by Applications in 2016

Figure Application 1 Examples

Table Major Consumers of Application 1

Figure Application 2 Examples

Table Major Consumers of Application 2

Figure Application 3 Examples

Table Major Consumers of Application 3

Figure Global Production and Growth rate of O - ring in 2012-2017

Figure Global Production of O - ring by Region in 2012-2017

Figure Global Production Growth rate and demand Growth rate of O - ring in 2012-2017

Figure Global O - ring Industry gross MarO - ring level 2012-2017

Table Global O - ring Industry Gross MarO - ring level by Region 2012-2017

Figure Global O - ring Major Manufacturers gross MarO - ring in 2016

Figure Global O - ring Industry Supply & Consumption comparative analysis 2012-2017

Table Global Supply Market size of O - ring in 2012-2017

Figure Global Supply market share by Region in 2016

Table Global Consumption Market size of O - ring in 2012-2017

Figure Global Consumption market share in 2016 11

Figure North America O - ring Industry market size by type 2012-2017

Table North America Supply market analysis 2012-2017

Figure North America Supply market Growth rate analysis 2012-2017

Table North America Consumption market analysis 2012-2017

Figure North America Supply & Consumption market share Competitive analysis 2012-2017

Figure Europe O - ring Industry market size by type 2012-2017

Table Europe Supply market analysis 2012-2017
Figure Europe Supply market Growth rate analysis 2012-2017
Table Europe Consumption market analysis 2012-2017
Figure Europe Supply & Consumption market share Competitive analysis 2012-2017
Figure Japan O - ring Industry market size by type 2012-2017
Table Japan Supply market analysis 2012-2017
Figure Japan Supply market Growth rate analysis 2012-2017
Table Japan Consumption market analysis 2012-2017
Figure Japan Supply & Consumption market share Competitive analysis 2012-2017
Figure India O - ring Industry market size by type 2012-2017
Table India Supply market analysis 2012-2017
Figure India Supply market Growth rate analysis 2012-2017
Table India Consumption market analysis 2012-2017
Figure India Supply & Consumption market share Competitive analysis 2012-2017
Figure China O - ring Industry market size by type 2012-2017
Table China Supply market analysis 2012-2017
Figure China Supply market Growth rate analysis 2012-2017
Table China Consumption market analysis 2012-2017
Figure China Supply & Consumption market share Competitive analysis 2012-2017
Figure the rest of the world O - ring Industry market size by type 2012-2017
Table the rest of the world Supply market analysis 2012-2017
Figure the rest of the world Supply market Growth rate analysis 2012-2017
Table the rest of the world Consumption market analysis 2012-2017
Figure the rest of the world Supply & Consumption market share Competitive analysis 2012-2017
Table Major Manufacture Capacity market size analysis 2012-2017
Figure Major Manufacture Capacity market share in 2016
Table Major Manufacture Production market size analysis 2012-2017
Figure Major Manufacture Production share in 2016
Table Major Manufacture Revenue market size analysis 2012-2017
Figure Major Manufacture Revenue share in 2016
Table Major Manufacture price Competitive analysis 2012-2017
Figure Major Manufacture price Competitive analysis 2016
Table Major Manufacture cost Competitive analysis 2012-2017
Figure Major Manufacture cost Competitive analysis 2016
Table Major Manufacture gross MarO - ring Competitive analysis 2012-2017
Figure Major Manufacture gross MarO - ring Competitive analysis 2016
Table Price Comparison of O - ring by Regions 2012-2017 (USD/Unit)
Table Price of Different O - ring Product Types (USD/Unit)

Figure Cost Comparison of O - ring by Regions 2012-2017 (USD/Unit)
Figure Gross MarO - ring Comparison of O - ring by Regions 2012-2017 (USD/Unit)
Table Market barriers to entry analysis?Top 5?
Table Competitive analysis of substitutes
Table O - ring Industry chain bargaining power analysis
Figure Major Manufacture Production Market share in 2016
Table the proportion of products in the manufacturer's products
Table Major Manufacture Revenue comparative analysis 2012-2017
Table Major Manufacture Gross MarO - ring comparative analysis 2012-2017
Table Company One Basic Information, Manufacturing Base, Sales Area and Its Competitors
Figure Company One O - ring product picture 38
Table Company One O - ring Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017
Figure Company One O - ring market size & Growth rate analysis 2012-2017
Figure Company One O - ring market share analysis 2012-2017
Table Company Two Basic Information, Manufacturing Base, Sales Area and Its Competitors
Figure Company Two O - ring product picture
Table Company Two O - ring Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017
Figure Company Two O - ring market size & Growth rate analysis 2012-2017
Figure Company Two O - ring market share analysis 2012-2017
Table Company Three Basic Information, Manufacturing Base, Sales Area and Its Competitors
Figure Company Three O - ring product picture
Table Company Three O - ring Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017
Figure Company Three O - ring market size & Growth rate analysis 2012-2017
Figure Company Three O - ring market share analysis 2012-2017
Table Company Four Basic Information, Manufacturing Base, Sales Area and Its Competitors
Figure Company Four O - ring product picture
Table Company Four O - ring Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017
Figure Company Four O - ring market size & Growth rate analysis 2012-2017
Figure Company Four O - ring market share analysis 2012-2017
Table Company Five Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Company Five O - ring product picture

Table Company Five O - ring Capacity, Production, price, revenue, cost and gross

MarO - ring analysis 2012-2017

Figure Company Five O - ring market size & Growth rate analysis 2012-2017

Figure Company Five O - ring market share analysis 2012-2017

Table Company Six Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Company Six O - ring product picture

Table Company Six O - ring Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017

Figure Company Six O - ring market size & Growth rate analysis 2012-2017

Figure Company Six O - ring market share analysis 2012-2017

Table Company Seven Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Company Seven O - ring product picture

Table Company Seven O - ring Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017

Figure Company Seven O - ring market size & Growth rate analysis 2012-2017

Figure Company Seven O - ring market share analysis 2012-2017

Table Company Eight Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Company Eight O - ring product picture

Table Company Eight O - ring Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017

Figure Company Eight O - ring market size & Growth rate analysis 2012-2017

Figure Company Eight O - ring market share analysis 2012-2017

Table Company Nine Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Company Nine O - ring product picture

Table Company Nine O - ring Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017

Figure Company Nine O - ring market size & Growth rate analysis 2012-2017

Figure Company Nine O - ring market share analysis 2012-2017

Table Company Ten Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Company Ten O - ring product picture

Table Company Ten O - ring Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017

Figure Company Ten O - ring market size & Growth rate analysis 2012-2017

Figure Company Ten O - ring market share analysis 2012-2017

Table Company 11 Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Company 11 O - ring product picture

Table Company 11 O - ring Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017

Figure Company 11 O - ring market size & Growth rate analysis 2012-2017

Figure Company 11 O - ring market share analysis 2012-2017

Table Company 12 Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Company 12 O - ring product picture

Table Company 12 O - ring Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017

Figure Company 12 O - ring market size & Growth rate analysis 2012-2017

Figure Company 12 O - ring market share analysis 2012-2017

Table Company 13 Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Company 13 O - ring product picture

Table Company 13 O - ring Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017

Figure Company 13 O - ring market size & Growth rate analysis 2012-2017

Figure Company 13 O - ring market share analysis 2012-2017

Table Company 14 Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Company 14 O - ring product picture

Table Company 14 O - ring Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017

Figure Company 14 O - ring market size & Growth rate analysis 2012-2017

Figure Company 14 O - ring market share analysis 2012-2017

Table Company 15 Basic Information, Manufacturing Base, Sales Area and Its Competitors

Figure Company 15 O - ring product picture

Table Company 15 O - ring Capacity, Production, price, revenue, cost and gross MarO - ring analysis 2012-2017

Figure Company 15 O - ring market size & Growth rate analysis 2012-2017

Figure Company 15 O - ring market share analysis 2012-2017

Figure O - ring Consumption volume Survey analysis by Region 2012-2017

Table marketing model analysis

Table O - ring Consumption volume market share analysis by region 2012-2017

Table Regional O - ring Import & Export comparative analysis 2012-2017
Table North America O - ring Production, Consumption, Import & Export (2012-2017)
Table Europe O - ring Production, Consumption, Import & Export (2012-2017)
Table Japan O - ring Production, Consumption, Import & Export (2012-2017)
Table India O - ring Production, Consumption, Import & Export (2012-2017)
Table China O - ring Production, Consumption, Import & Export (2012-2017)
Table the rest of the world O - ring Production, Consumption, Import & Export (2012-2017)
Figure North America O - ring Consumption value and Growth rate 2012-2017
Figure Europe O - ring Consumption value and Growth rate 2012-2017
Figure Japan O - ring Consumption value and Growth rate 2012-2017
Figure India O - ring Consumption value and Growth rate 2012-2017
Figure China O - ring Consumption value and Growth rate 2012-2017
Figure the rest of world O - ring Consumption value and Growth rate 2012-2017
Table Major Raw Materials Suppliers with Contact Information of O - ring
Table Major Raw Materials Suppliers with Supply Volume of O - ring by Regions
Table Major Equipment Suppliers with Contact Information of O - ring
Table Major Equipment Suppliers with Product Pictures of O - ring by Regions
Table Major Consumers with Contact Information of O - ring
Table Major Consumers with Consumption Volume of O - ring by Regions
Figure Supply Chain Relationship Analysis of O - ring
Table Major Raw Materials Analysis of O - ring
Figure 2012-2017 Price Analysis (USD/MT) of AAA
Figure 2012-2017 Price Analysis (USD/MT) of BBB
Figure 2012-2017 Price Analysis (USD/MT) of CCC
Figure 2012-2017 Price Analysis (USD/MT) of DDD
Figure 2015 APAC Overview of Average Monthly Labor Cost
Figure 2015 Americas Overview of Average Monthly Labor Cost
Figure 2015 EMEA Overview of Average Monthly Labor Cost
Figure 2012-2017 USA Employment Cost Index (ECI)
Figure 2010-2014 China Average Wage of Worker and Growth Rate (CNY/a)
Table Annual Depreciation Rate of Equipment in 2012-2017
Table Manufacturing Cost Structure Analysis of O - ring in 2015
Figure Manufacturing Process Analysis of O - ring
Figure World O - ring Industry development trend analysis 2017-2021
Table World O - ring Industry market Forecast analysis 2017-2021
Table Region Consumption market share of O - ring 2017-2021
Figure North America O - ring Industry market size by type 2017-2021
Table North America Supply market analysis 2017-2021

Figure North America Supply market Growth rate analysis 2017-2021
Table North America Consumption market analysis 2017-2021
Figure North America Supply & Consumption market share Competitive analysis 2017-2021
Figure Europe O - ring Industry market size by type 2017-2021
Table Europe Supply market analysis 2017-2021
Figure Europe Supply market Growth rate analysis 2017-2021
Table Europe Consumption market analysis 2017-2021
Figure Europe Supply & Consumption market share Competitive analysis 2017-2021
Figure Japan O - ring Industry market size by type 2017-2021
Table Japan Supply market analysis 2017-2021
Figure Japan Supply market Growth rate analysis 2017-2021
Table Japan Consumption market analysis 2017-2021
Figure Japan Supply & Consumption market share Competitive analysis 2017-2021
Figure India O - ring Industry market size by type 2017-2021
Table India Supply market analysis 2017-2021
Figure India Supply market Growth rate analysis 2017-2021
Table India Consumption market analysis 2017-2021
Figure India Supply & Consumption market share Competitive analysis 2017-2021
Figure China O - ring Industry market size by type 2017-2021
Table China Supply market analysis 2017-2021
Figure China Supply market Growth rate analysis 2017-2021
Table China Consumption market analysis 2017-2021
Figure China Supply & Consumption market share Competitive analysis 2017-2021
Figure the rest of the world O - ring Industry market size by type 2017-2021
Table the rest of the world Supply market analysis 2017-2021
Figure the rest of the world Supply market Growth rate analysis 2017-2021
Table the rest of the world Consumption market analysis 2017-2021
Figure the rest of the world Supply & Consumption market share Competitive analysis 2017-2021
Table New Project SWOT Analysis of O - ring

I would like to order

Product name: Global Automotive O - ring Industry Situation and Prospects Research report 2017

Product link: <https://marketpublishers.com/r/G0B70B47EBDEN.html>

Price: US\$ 2,850.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G0B70B47EBDEN.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