

## **AS-568 O-Rings**



**Seals that fits your need**

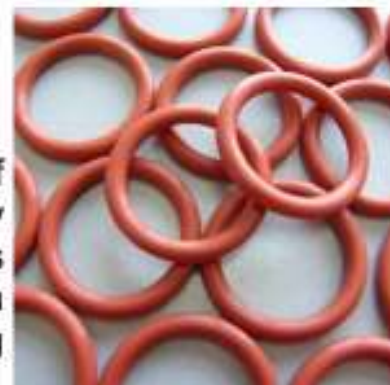
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Bonded Seals, Cords, O-Ring Kits

## Introduction

The Fitco O-ring is torus or endless round sealing rings of circular cross section, they are mainly used to seal stationary machine components. In static case ,against fluid & gaseous media. In certain conditions they can also be used as a dynamic sealing component for axial, rotating and oscillating movement.



Applications ranging from garden hose couplings to critical aerospace or refinery duties make it the world's most popular volume-produced seal.

## Product Advantage



Fitco O-Rings offer many benefits to design engineers and plant operators. They:

- Suit many static and dynamic duties.
- Occupy little space.
- Seal efficiently in both directions.
- Are compatible with most fluid media.
- Can work between -60°C and +220°C when made of elastomer according to material type.
- Can function at temperatures down to 200°C when made of PTFE.

## AS-568 Standard O-Rings

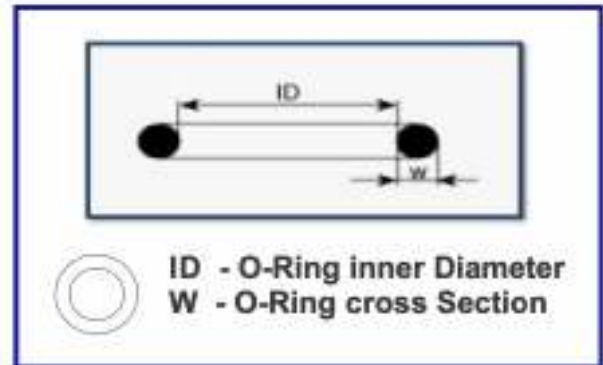
AS-568 O-Ring standard sizes are the most commonly used o-ring sizes in the world. Refer to our standard o-ring size chart to find USA AS568 o-ring dimensions.

The BS-1806 O-Ring size guide was issued by the British Standards Institution and lists all Imperial standard sizes. This standard includes all of the 5 main cross section groups in AS-568 plus several sizes that are "between" AS568 Sizes.

# Design & Installation **FITCO®**

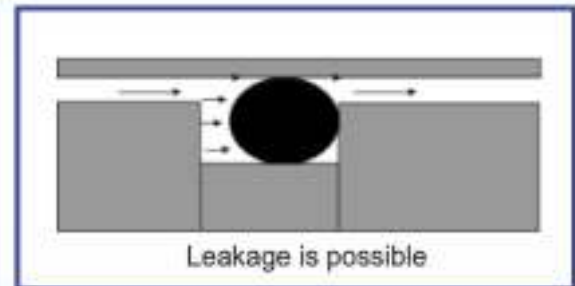
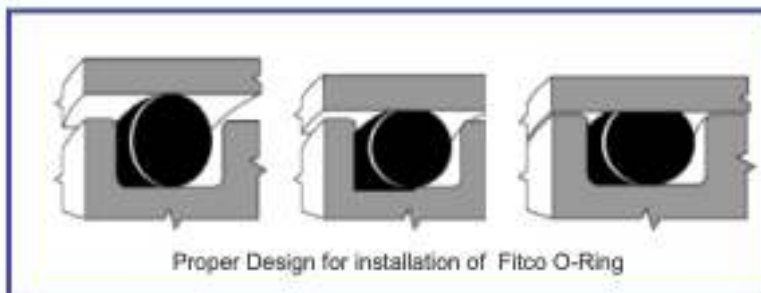
## Design

The Dimensions of the Fitco o-rings is defined by inside diameter and o ring thickness/Width. The inside diameter (ID) and the cross section diameter (W) is required along with elastomer material from which the o-ring is made as shown in figure below:

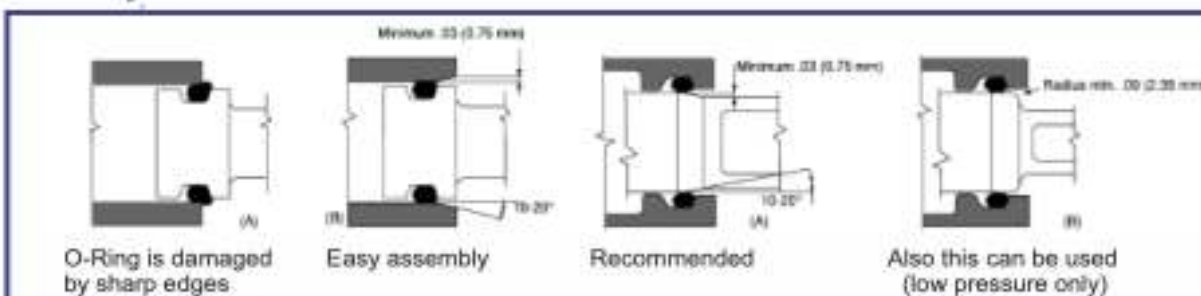


## Installation Guide

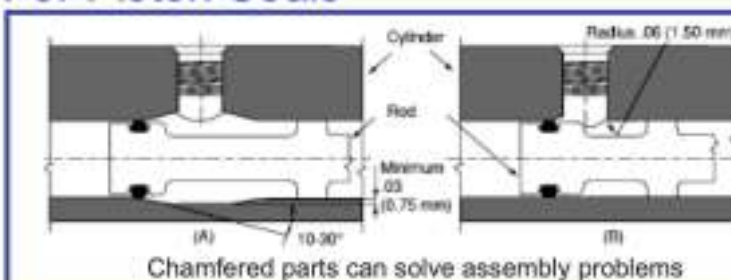
Fitco O-Rings are double acting sealing elements. The initial compression, which takes place in a radial or axial direction depends on the installation, gives the O-Ring its sealing capability.



## For Cylinders



## For Piston Seals



Compression of O-Rings recommended as per Applications :

- In Static Applications between 15-30%
- In vacuum applications more than 30%
- In dynamic applications between 8-16%

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## **Automotive Industry Applications**

The demands for the automotive industry are very typical and depend on the application (motor cooling or heating systems - fuel systems, etc). Fitco has some Special compounds.

## **Pharmaceutical, Analytical & Bio-technical Applications**

Sealing and technical components used in the Biotechnology industry are used in a wide range of applications. Laboratory and analytical equipment sealing products include gaskets and miniature components. Drug discovery and genetic research techniques often employ aggressive chemical environments that also demand ultra-high purity sealing components. Pharmaceutical applications range from drug discovery to development and full production of a wide range of chemical, biological and radiological products.

## **Chemical & Petrochemical Industry Applications**

Applications in the Chemical and Petrochemical Industry are sometimes critical. Next to the broad chemical resistance is also the low and high temperature resistance of great importance. Fitco has 20 years of experience in this field.

## **Food & Beverage Industry Applications**

One of the largest applications for specialty elastomers and plastics is in Food Processing and Beverage Equipment. These seals are required to resist the chemical and thermal environments present in the equipment, while not releasing any unwanted or unknown contaminants into the process. Many applications require the sealing materials to be 'capable of being cleaned and receiving effective bactericidal treatment while still maintaining physical properties'.

## **Oil & Gas Industry Applications**

Applications in the Oil & Gas Industry range from seals and components involved in exploration and drilling to high-pressure / high-temperature sealing components in down-hole wells. Extreme temperatures and pressures place great demands on elastomers for this industry. In addition, many chemicals either experienced in the reservoir, or used in the drilling, completion or intervention process can degrade many common elastomers.

## **Semiconductor Industry Applications**

Applications in the Semiconductor Industry range from seals and components for process equipment used in the fabrication of integrated circuits or semiconductors.

## **Potable Water Industry Applications**

Elastomers and plastics used in potable water treatment facilities as well as distribution and dispensing equipment may be subject to many demands. Chlorine has long been used in a disinfectant in water systems, but they can react and form toxic disinfectant byproducts (DBP). Ammonia is often added to reduce the DBP - which react to form chloramines which can be damaging to some elastomers.

## **Nitrile Butadiene Rubber (NBR)**

Hardness 70 Shore A & 90 Shore A ,Color: Black

Working Temperature Range: -40° C to+ 100° C

Nitrile Rubber is general purpose elastomer for Hydraulic and Pneumatic systems and used as seal energizer for low pressure applications such as pneumatic, it has excellent resistance to mineral oil, greases, water, hydro-carban fuels, compression set resistance and good elastic properties, it is not suitable to automotive brakes fluid.

## **Fluorinated Rubber FKM (Viton)**

Hardness 70 Shore A ,Color: Geryish Black/ Brown

Working Temperature Range: -30° C to+ 220° C

Viton Rubber is excellent resistance to mineral oils, hot water, steam, fuels, alcohol, hot oils, aliphatic and aromatic hydrocarbon, it has poor resistance to methanol, ketones & esters also exhibits excellent chemical resistance for use in harsh environments such as phosphate esters.

## **Silicon Rubber (VQM)**

Hardness 70 Shore A ,Color:Orange

Working Temperature Range: -60° C to+ 200° C

Silicon Rubber has great cold flexibility as well as high thermal resistance. It has excellent de-electric properties and very good resistance to attack by oxygen, ozone and sunlight. It has poor strength & tear resistance to mineral oils.

## **Ethylene Propylene Rubber (EPM /EPDM)**

Hardness 70 Shore A ,Color: Black

Working Temperature Range: -45° C to +150° C

EPDM has good resistance to ozone ageing and weathering, water and steam, Dilute acid, alkalies ketones, alcohol, fire retardent hydraulic fluids and hydraulic brakes fluids. This elastomer must not come in contact with mineral oils and greases.

## **Poly-chloroprene Rubber (CR)**

Hardness 70 Shore A ,Color: Black

Working Temperature Range: -20° C to+ 100° C

CR chief characteristics is flame retardancy, excellent ageing properties in ozone and weather environments along with resistance to abrasion and flex fatigue. It is good resistance to mineral oils with high aniline point, greases refrigerants and water.

## **Polyurethane (P.U)**

Hardness 80 Shore A ,Color: Blue

Working Temperature Range: -30° C to + 110° C

PU is premium polyurethane for superior sealing performance for use in general hydraulic applications (Not suitable for hot water), it has excellent mechanical properties such as high tensile strength, abrasion resistance, tear strength, and extrusion

# AS-568 Standard O-Rings sizes

# FITCO®

| O OR : RINGS  |                   |              |                    |                   |  |  |
|---------------|-------------------|--------------|--------------------|-------------------|--|--|
|               |                   |              |                    |                   |  |  |
| Fitco Ref no. | ID Inner Dia (MM) | W Width (MM) | Tolerance ID± (MM) | Tolerance W± (MM) |  |  |
| 001*          | 0.74              | 1.78         | 0.1                | 0.08              |  |  |
| 606*          | 1.78              | 1.78         | 0.13               | 0.08              |  |  |
| 607*          | 2.54              | 1.78         | 0.13               | 0.08              |  |  |
| 002*          | 1.07              | 1.78         | 0.1                | 0.08              |  |  |
| 003*          | 1.42              | 1.78         | 0.1                | 0.08              |  |  |
| 004*          | 1.78              | 1.78         | 0.13               | 0.08              |  |  |
| 005*          | 2.57              | 1.78         | 0.13               | 0.08              |  |  |
| 006*          | 2.9               | 1.78         | 0.13               | 0.08              |  |  |
| 801*          | 3.17              | 1.78         | 0.13               | 0.08              |  |  |
| 007*          | 3.69              | 1.78         | 0.13               | 0.08              |  |  |
| 008*          | 4.47              | 1.78         | 0.13               | 0.08              |  |  |
| 802*          | 4.76              | 1.78         | 0.13               | 0.08              |  |  |
| 009*          | 5.28              | 1.78         | 0.13               | 0.08              |  |  |
| 010*          | 6.07              | 1.78         | 0.13               | 0.08              |  |  |
| 803*          | 6.35              | 1.78         | 0.13               | 0.08              |  |  |
| 610           | 6.75              | 1.78         | 0.13               | 0.08              |  |  |
| 011*          | 7.66              | 1.78         | 0.13               | 0.08              |  |  |
| 804*          | 7.94              | 1.78         | 0.13               | 0.08              |  |  |
| 611*          | 8.73              | 1.78         | 0.13               | 0.08              |  |  |
| 012*          | 9.25              | 1.78         | 0.13               | 0.08              |  |  |
| 13            | 10.82             | 1.78         | 0.13               | 0.08              |  |  |
| 806           | 11.11             | 1.78         | 0.13               | 0.08              |  |  |
| 14            | 12.42             | 1.78         | 0.13               | 0.08              |  |  |
| 15            | 14                | 1.78         | 0.13               | 0.08              |  |  |
| 16            | 15.6              | 1.78         | 0.13               | 0.08              |  |  |
| 17            | 17.16             | 1.78         | 0.13               | 0.08              |  |  |
| 18            | 18.77             | 1.78         | 0.13               | 0.08              |  |  |
| 19            | 20.35             | 1.78         | 0.15               | 0.08              |  |  |
| 20            | 21.95             | 1.78         | 0.15               | 0.08              |  |  |
| 21            | 23.52             | 1.78         | 0.15               | 0.08              |  |  |
| 22            | 25.12             | 1.78         | 0.15               | 0.08              |  |  |
| 23            | 26.7              | 1.78         | 0.15               | 0.08              |  |  |
| 24            | 28.3              | 1.78         | 0.15               | 0.08              |  |  |
| 25            | 29.87             | 1.78         | 0.15               | 0.08              |  |  |
| 26            | 31.47             | 1.78         | 0.15               | 0.08              |  |  |
| 27            | 33.05             | 1.78         | 0.15               | 0.08              |  |  |
| 28            | 34.65             | 1.78         | 0.15               | 0.08              |  |  |

| O OR : RINGS  |                   |              |                    |                   |  |  |
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|               |                   |              |                    |                   |  |  |
| Fitco Ref no. | ID Inner Dia (MM) | W Width (MM) | Tolerance ID± (MM) | Tolerance W± (MM) |  |  |
| 29            | 37.82             | 1.78         | 0.25               | 0.08              |  |  |
| 519           | 39.45             | 1.78         | 0.38               | 0.08              |  |  |
| 30            | 41                | 1.78         | 0.25               | 0.08              |  |  |
| 31            | 44.17             | 1.78         | 0.25               | 0.08              |  |  |
| 32            | 47.37             | 1.78         | 0.25               | 0.08              |  |  |
| 33            | 50.52             | 1.78         | 0.25               | 0.08              |  |  |
| 34            | 53.67             | 1.78         | 0.25               | 0.08              |  |  |
| 35            | 56.87             | 1.78         | 0.25               | 0.08              |  |  |
| 36            | 60.04             | 1.78         | 0.25               | 0.08              |  |  |
| 37            | 63.22             | 1.78         | 0.25               | 0.08              |  |  |
| 38            | 66.4              | 1.78         | 0.25               | 0.08              |  |  |
| 39            | 69.57             | 1.78         | 0.38               | 0.08              |  |  |
| 40            | 72.76             | 1.78         | 0.38               | 0.08              |  |  |
| 41            | 75.94             | 1.78         | 0.38               | 0.08              |  |  |
| 532           | 79                | 1.78         | 0.51               | 0.08              |  |  |
| 42            | 82.28             | 1.78         | 0.38               | 0.08              |  |  |
| 534           | 85.34             | 1.78         | 0.51               | 0.08              |  |  |
| 43            | 88.64             | 1.78         | 0.38               | 0.08              |  |  |
| 536           | 91.7              | 1.78         | 0.51               | 0.08              |  |  |
| 44            | 95                | 1.78         | 0.38               | 0.08              |  |  |
| 538           | 98.05             | 1.78         | 0.51               | 0.08              |  |  |
| 45            | 101.34            | 1.78         | 0.38               | 0.08              |  |  |
| 540           | 104.4             | 1.78         | 0.51               | 0.08              |  |  |
| 46            | 107.7             | 1.78         | 0.38               | 0.08              |  |  |
| 542           | 110.74            | 1.78         | 0.51               | 0.08              |  |  |
| 47            | 114               | 1.78         | 0.38               | 0.08              |  |  |
| 544           | 117.1             | 1.78         | 0.51               | 0.08              |  |  |
| 48            | 120.4             | 1.78         | 0.38               | 0.08              |  |  |
| 546           | 123.44            | 1.78         | 0.51               | 0.08              |  |  |
| 49            | 126.76            | 1.78         | 0.58               | 0.08              |  |  |
| 548           | 129.4             | 1.78         | 0.71               | 0.08              |  |  |
| 50            | 133.1             | 1.78         | 0.58               | 0.08              |  |  |
| 550           | 135.76            | 1.78         | 0.71               | 0.08              |  |  |
| 551           | 138.94            | 1.78         | 0.71               | 0.08              |  |  |
| 552           | 142.11            | 1.78         | 0.71               | 0.08              |  |  |
| 553           | 145.29            | 1.78         | 0.71               | 0.08              |  |  |

These are some of the profiles mentioned above, we also manufacture as per customer's designs and specifications.

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# AS-568 Standard O-Rings sizes **FITCO®**

| O OR : RINGS  |             |         |                    |                    |  |  |  |  |  |
|---------------|-------------|---------|--------------------|--------------------|--|--|--|--|--|
| Fitco Ref no. | ID InnerDia | W Width | Tolerance ID± (MM) | Tolerance W ± (MM) |  |  |  |  |  |
| 556           | 154.81      | 1.78    | 0.71               | 0.08               |  |  |  |  |  |
| 557           | 158         | 1.78    | 0.71               | 0.08               |  |  |  |  |  |
| 558           | 161.16      | 1.78    | 0.71               | 0.08               |  |  |  |  |  |
| 559           | 164.34      | 1.78    | 0.71               | 0.08               |  |  |  |  |  |
| 560           | 167.51      | 1.78    | 0.71               | 0.08               |  |  |  |  |  |
| 561           | 170.69      | 1.78    | 0.71               | 0.08               |  |  |  |  |  |
| 562           | 173.87      | 1.78    | 0.71               | 0.08               |  |  |  |  |  |
| 102*          | 1.24        | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 103*          | 2.06        | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 104*          | 2.84        | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 105*          | 3.63        | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 106*          | 4.42        | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 107*          | 5.23        | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 108*          | 6.02        | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 109*          | 7.6         | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 110*          | 9.19        | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 613*          | 9.92        | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 111*          | 10.78       | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 614*          | 11.91       | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 112*          | 12.37       | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 807*          | 12.7        | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 615*          | 13.1        | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 113*          | 13.95       | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 616*          | 15.08       | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 114*          | 15.54       | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 809*          | 15.88       | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 115*          | 17.13       | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 810*          | 17.46       | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 617*          | 17.86       | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 116*          | 18.72       | 2.62    | 0.13               | 0.08               |  |  |  |  |  |
| 117           | 20.29       | 2.62    | 0.15               | 0.08               |  |  |  |  |  |
| 812           | 20.64       | 2.62    | 0.15               | 0.08               |  |  |  |  |  |
| 118           | 21.9        | 2.62    | 0.15               | 0.08               |  |  |  |  |  |
| 813           | 22.23       | 2.62    | 0.15               | 0.08               |  |  |  |  |  |
| 119           | 23.47       | 2.62    | 0.15               | 0.08               |  |  |  |  |  |
| 814           | 23.81       | 2.62    | 0.15               | 0.08               |  |  |  |  |  |

| O OR : RINGS  |              |         |                    |                   |  |  |  |  |  |
|---------------|--------------|---------|--------------------|-------------------|--|--|--|--|--|
| Fitco Ref no. | ID Inner Dia | W Width | Tolerance ID± (MM) | Tolerance W± (MM) |  |  |  |  |  |
| 121           | 26.65        | 2.62    | 0.15               | 0.08              |  |  |  |  |  |
| 122           | 28.25        | 2.62    | 0.15               | 0.08              |  |  |  |  |  |
| 123           | 29.83        | 2.62    | 0.15               | 0.08              |  |  |  |  |  |
| 124           | 31.42        | 2.62    | 0.15               | 0.08              |  |  |  |  |  |
| 125           | 33           | 2.62    | 0.15               | 0.08              |  |  |  |  |  |
| 126           | 34.6         | 2.62    | 0.15               | 0.08              |  |  |  |  |  |
| 127           | 36.17        | 2.62    | 0.15               | 0.08              |  |  |  |  |  |
| 128           | 37.77        | 2.62    | 0.15               | 0.08              |  |  |  |  |  |
| 129           | 39.35        | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 130           | 40.95        | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 131           | 42.52        | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 132           | 44.12        | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 133           | 45.7         | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 134           | 47.3         | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 135           | 48.9         | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 136           | 50.47        | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 137           | 52.07        | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 138           | 53.65        | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 139           | 55.25        | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 140           | 56.82        | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 141           | 58.42        | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 142           | 60           | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 143           | 61.6         | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 144           | 63.17        | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 145           | 64.77        | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 146           | 66.35        | 2.62    | 0.25               | 0.08              |  |  |  |  |  |
| 147           | 67.95        | 2.62    | 0.38               | 0.08              |  |  |  |  |  |
| 148           | 69.52        | 2.62    | 0.38               | 0.08              |  |  |  |  |  |
| 149           | 71.12        | 2.62    | 0.38               | 0.08              |  |  |  |  |  |
| 150           | 72.7         | 2.62    | 0.38               | 0.08              |  |  |  |  |  |
| 640           | 74.3         | 2.62    | 0.38               | 0.08              |  |  |  |  |  |
| 151           | 75.88        | 2.62    | 0.38               | 0.08              |  |  |  |  |  |
| 641           | 77.5         | 2.62    | 0.38               | 0.08              |  |  |  |  |  |
| 642           | 80.6         | 2.62    | 0.38               | 0.08              |  |  |  |  |  |
| 152           | 82.22        | 2.62    | 0.38               | 0.08              |  |  |  |  |  |
| 643           | 83.8         | 2.62    | 0.38               | 0.08              |  |  |  |  |  |

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# AS-568 Standard O-Rings sizes

# FITCO®

| O OR : RINGS  |              |         |                    |                    |
|---------------|--------------|---------|--------------------|--------------------|
| Fitco Ref no. | ID Inner Dia | W Width | Tolerance ID± (MM) | Tolerance W ± (MM) |
| 154           | 94.93        | 2.62    | 0.38               | 0.08               |
| 155           | 101.28       | 2.62    | 0.38               | 0.08               |
| 156           | 107.63       | 2.62    | 0.38               | 0.08               |
| 157           | 113.98       | 2.62    | 0.38               | 0.08               |
| 158           | 120.33       | 2.62    | 0.38               | 0.08               |
| 159           | 126.67       | 2.62    | 0.38               | 0.08               |
| 160           | 133          | 2.62    | 0.58               | 0.08               |
| 161           | 139.38       | 2.62    | 0.58               | 0.08               |
| 162           | 145.73       | 2.62    | 0.58               | 0.08               |
| 163           | 152.07       | 2.62    | 0.58               | 0.08               |
| 164           | 158.43       | 2.62    | 0.58               | 0.08               |
| 165           | 164.78       | 2.62    | 0.58               | 0.08               |
| 166           | 171.13       | 2.62    | 0.58               | 0.08               |
| 167           | 177.48       | 2.62    | 0.58               | 0.08               |
| 168           | 183.83       | 2.62    | 0.76               | 0.08               |
| 169           | 190.18       | 2.62    | 0.76               | 0.08               |
| 170           | 196.53       | 2.62    | 0.76               | 0.08               |
| 171           | 202.88       | 2.62    | 0.76               | 0.08               |
| 172           | 209.23       | 2.62    | 0.76               | 0.08               |
| 173           | 215.58       | 2.62    | 0.76               | 0.08               |
| 174           | 221.93       | 2.62    | 0.76               | 0.08               |
| 175           | 228.28       | 2.62    | 0.76               | 0.08               |
| 176           | 234.63       | 2.62    | 0.76               | 0.08               |
| 177           | 240.98       | 2.62    | 0.76               | 0.08               |
| 178           | 247.33       | 2.62    | 0.76               | 0.08               |
| 201*          | 4.34         | 3.53    | 0.13               | 0.1                |
| 202*          | 5.94         | 3.53    | 0.13               | 0.1                |
| 203*          | 7.52         | 3.53    | 0.13               | 0.1                |
| 204*          | 9.12         | 3.53    | 0.13               | 0.1                |
| 205*          | 10.69        | 3.53    | 0.13               | 0.1                |
| 206*          | 12.29        | 3.53    | 0.13               | 0.1                |
| 207*          | 13.87        | 3.53    | 0.13               | 0.1                |
| 208*          | 15.47        | 3.53    | 0.13               | 0.1                |
| 209*          | 17.04        | 3.53    | 0.13               | 0.1                |
| 210*          | 18.64        | 3.53    | 0.15               | 0.1                |
| 211*          | 20.22        | 3.53    | 0.15               | 0.1                |

| O OR : RINGS  |              |         |                    |                   |
|---------------|--------------|---------|--------------------|-------------------|
| Fitco Ref no. | ID Inner Dia | W Width | Tolerance ID± (MM) | Tolerance W± (MM) |
| 213*          | 23.4         | 3.53    | 0.15               | 0.1               |
| 214*          | 25           | 3.53    | 0.15               | 0.1               |
| 618*          | 25.8         | 3.53    | 0.15               | 0.1               |
| 215*          | 26.57        | 3.53    | 0.15               | 0.1               |
| 216*          | 28.17        | 3.53    | 0.15               | 0.1               |
| 217*          | 29.75        | 3.53    | 0.15               | 0.1               |
| 218*          | 31.34        | 3.53    | 0.15               | 0.1               |
| 219*          | 32.93        | 3.53    | 0.15               | 0.1               |
| 220*          | 34.52        | 3.53    | 0.15               | 0.1               |
| 221*          | 36.1         | 3.53    | 0.15               | 0.1               |
| 222*          | 37.7         | 3.53    | 0.15               | 0.1               |
| 824*          | 39.7         | 3.53    | 0.25               | 0.1               |
| 223           | 40.87        | 3.53    | 0.25               | 0.1               |
| 825           | 41.28        | 3.53    | 0.25               | 0.1               |
| 826           | 42.86        | 3.53    | 0.25               | 0.1               |
| 224           | 44.05        | 3.53    | 0.25               | 0.1               |
| 827           | 44.45        | 3.53    | 0.25               | 0.1               |
| 828           | 46.04        | 3.53    | 0.25               | 0.1               |
| 225           | 47.23        | 3.53    | 0.25               | 0.1               |
| 829           | 47.62        | 3.53    | 0.25               | 0.1               |
| 830           | 49.2         | 3.53    | 0.25               | 0.1               |
| 226           | 50.4         | 3.53    | 0.25               | 0.1               |
| 831           | 50.8         | 3.53    | 0.25               | 0.1               |
| 832           | 52.4         | 3.53    | 0.25               | 0.1               |
| 227           | 53.57        | 3.53    | 0.25               | 0.1               |
| 833           | 53.97        | 3.53    | 0.25               | 0.1               |
| 834           | 55.56        | 3.53    | 0.25               | 0.1               |
| 228           | 56.75        | 3.53    | 0.25               | 0.1               |
| 835           | 57.15        | 3.53    | 0.25               | 0.1               |
| 836           | 58.74        | 3.53    | 0.25               | 0.1               |
| 229           | 59.92        | 3.53    | 0.25               | 0.1               |
| 837           | 60.32        | 3.53    | 0.25               | 0.1               |
| 838           | 61.9         | 3.53    | 0.25               | 0.1               |
| 230           | 63.1         | 3.53    | 0.25               | 0.1               |
| 839           | 63.5         | 3.53    | 0.25               | 0.1               |
| 840           | 65.1         | 3.53    | 0.25               | 0.1               |

These are some of the profiles mentioned above, we also manufacture as per customer's designs and specifications.

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| O OR : RINGS  |                   |              |                    |                    |
|---------------|-------------------|--------------|--------------------|--------------------|
| Fitco Ref no. | ID Inner Dia (MM) | W Width (MM) | Tolerance ID± (MM) | Tolerance W ± (MM) |
| 841           | 66.67             | 3.53         | 0.38               | 0.1                |
| 842           | 68.26             | 3.53         | 0.38               | 0.1                |
| 232           | 69.44             | 3.53         | 0.38               | 0.1                |
| 843           | 69.85             | 3.53         | 0.38               | 0.1                |
| 844           | 71.44             | 3.53         | 0.38               | 0.1                |
| 233           | 72.62             | 3.53         | 0.38               | 0.1                |
| 845           | 73.02             | 3.53         | 0.38               | 0.1                |
| 846           | 74.6              | 3.53         | 0.38               | 0.1                |
| 234           | 75.8              | 3.53         | 0.38               | 0.1                |
| 235           | 78.97             | 3.53         | 0.38               | 0.1                |
| 236           | 82.14             | 3.53         | 0.38               | 0.1                |
| 237           | 85.32             | 3.53         | 0.38               | 0.1                |
| 238           | 88.5              | 3.53         | 0.38               | 0.1                |
| 239           | 91.67             | 3.53         | 0.38               | 0.1                |
| 240           | 94.84             | 3.53         | 0.38               | 0.1                |
| 241           | 98.02             | 3.53         | 0.38               | 0.1                |
| 242           | 101.2             | 3.53         | 0.38               | 0.1                |
| 243           | 104.37            | 3.53         | 0.38               | 0.1                |
| 244           | 107.54            | 3.53         | 0.38               | 0.1                |
| 245           | 110.72            | 3.53         | 0.38               | 0.1                |
| 246           | 113.9             | 3.53         | 0.38               | 0.1                |
| 247           | 117.07            | 3.53         | 0.38               | 0.1                |
| 248           | 120.24            | 3.53         | 0.38               | 0.1                |
| 249           | 123.42            | 3.53         | 0.38               | 0.1                |
| 250           | 126.6             | 3.53         | 0.38               | 0.1                |
| 251           | 129.77            | 3.53         | 0.58               | 0.1                |
| 252           | 132.94            | 3.53         | 0.58               | 0.1                |
| 253           | 136.12            | 3.53         | 0.58               | 0.1                |
| 254           | 139.3             | 3.53         | 0.58               | 0.1                |
| 255           | 142.47            | 3.53         | 0.58               | 0.1                |
| 256           | 145.65            | 3.53         | 0.58               | 0.1                |
| 257           | 148.82            | 3.53         | 0.58               | 0.1                |
| 258           | 152               | 3.53         | 0.58               | 0.1                |
| 259           | 158.35            | 3.53         | 0.58               | 0.1                |
| 260           | 164.7             | 3.53         | 0.58               | 0.1                |
| 261           | 171.05            | 3.53         | 0.58               | 0.1                |
| 262           | 175.4             | 3.53         | 0.58               | 0.1                |
| 263           | 183.75            | 3.53         | 0.76               | 0.1                |
| 264           | 190.1             | 3.53         | 0.76               | 0.1                |

| O OR : RINGS  |                   |              |                    |                   |
|---------------|-------------------|--------------|--------------------|-------------------|
| Fitco Ref no. | ID Inner Dia (MM) | W Width (MM) | Tolerance ID± (MM) | Tolerance W± (MM) |
| 265           | 196.45            | 3.53         | 0.76               | 0.1               |
| 266           | 202.8             | 3.53         | 0.76               | 0.1               |
| 267           | 209.15            | 3.53         | 0.76               | 0.1               |
| 268           | 215.5             | 3.53         | 0.76               | 0.1               |
| 269           | 221.85            | 3.53         | 0.76               | 0.1               |
| 270           | 228.2             | 3.53         | 0.76               | 0.1               |
| 271           | 234.55            | 3.53         | 0.76               | 0.1               |
| 272           | 240.9             | 3.53         | 0.76               | 0.1               |
| 273           | 247.25            | 3.53         | 0.76               | 0.1               |
| 274           | 253.6             | 3.53         | 0.76               | 0.1               |
| 275           | 266.3             | 3.53         | 0.76               | 0.1               |
| 276           | 279               | 3.53         | 0.76               | 0.1               |
| 277           | 291.7             | 3.53         | 0.76               | 0.1               |
| 278           | 304.4             | 3.53         | 0.76               | 0.1               |
| 279           | 329.8             | 3.53         | 0.76               | 0.1               |
| 280           | 355.2             | 3.53         | 0.76               | 0.1               |
| 281           | 380.6             | 3.53         | 0.76               | 0.1               |
| 282           | 405.26            | 3.53         | 1.14               | 0.1               |
| 283           | 430.66            | 3.53         | 1.14               | 0.1               |
| 284           | 456.06            | 3.53         | 1.14               | 0.1               |
| 309*          | 10.46             | 5.33         | 0.13               | 0.13              |
| 310*          | 12.07             | 5.33         | 0.13               | 0.13              |
| 311*          | 13.64             | 5.33         | 0.13               | 0.13              |
| 312*          | 15.24             | 5.33         | 0.13               | 0.13              |
| 313*          | 16.81             | 5.33         | 0.13               | 0.13              |
| 314*          | 18.42             | 5.33         | 0.13               | 0.13              |
| 315*          | 19.99             | 5.33         | 0.15               | 0.13              |
| 316*          | 21.59             | 5.33         | 0.15               | 0.13              |
| 317*          | 23.16             | 5.33         | 0.15               | 0.13              |
| 318*          | 24.77             | 5.33         | 0.15               | 0.13              |
| 319*          | 26.34             | 5.33         | 0.15               | 0.13              |
| 320*          | 27.94             | 5.33         | 0.15               | 0.13              |
| 321*          | 29.51             | 5.33         | 0.15               | 0.13              |
| 322*          | 31.12             | 5.33         | 0.15               | 0.13              |
| 323*          | 32.69             | 5.33         | 0.15               | 0.13              |
| 324*          | 34.29             | 5.33         | 0.15               | 0.13              |
| 325*          | 37.47             | 5.33         | 0.25               | 0.13              |
| 326*          | 40.65             | 5.33         | 0.25               | 0.13              |
| 327*          | 43.82             | 5.33         | 0.25               | 0.13              |

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| O OR : RINGS  |                   |              |                    |                    |
|---------------|-------------------|--------------|--------------------|--------------------|
| Fitco Ref no. | ID Inner Dia (MM) | W Width (MM) | Tolerance ID± (MM) | Tolerance W ± (MM) |
| 328*          | 47                | 5.33         | 0.25               | 0.13               |
| 329*          | 50.16             | 5.33         | 0.25               | 0.13               |
| 330*          | 53.34             | 5.33         | 0.25               | 0.13               |
| 331*          | 56.52             | 5.33         | 0.25               | 0.13               |
| 332*          | 59.7              | 5.33         | 0.25               | 0.13               |
| 333*          | 62.87             | 5.33         | 0.25               | 0.13               |
| 334*          | 66.04             | 5.33         | 0.25               | 0.13               |
| 335*          | 69.22             | 5.33         | 0.38               | 0.13               |
| 336*          | 72.4              | 5.33         | 0.38               | 0.13               |
| 619*          | 74.63             | 5.33         | 0.38               | 0.13               |
| 337*          | 75.57             | 5.33         | 0.38               | 0.13               |
| 338*          | 78.74             | 5.33         | 0.38               | 0.13               |
| 620*          | 79.77             | 5.33         | 0.38               | 0.13               |
| 339*          | 81.92             | 5.33         | 0.38               | 0.13               |
| 340*          | 85.1              | 5.33         | 0.38               | 0.13               |
| 341*          | 88.27             | 5.33         | 0.38               | 0.13               |
| 621*          | 89.69             | 5.33         | 0.38               | 0.13               |
| 342*          | 91.44             | 5.33         | 0.38               | 0.13               |
| 343*          | 94.62             | 5.33         | 0.38               | 0.13               |
| 344*          | 97.8              | 5.33         | 0.38               | 0.13               |
| 622*          | 100               | 5.33         | 0.38               | 0.13               |
| 345*          | 100.97            | 5.33         | 0.38               | 0.13               |
| 346*          | 104.14            | 5.33         | 0.38               | 0.13               |
| 347*          | 107.32            | 5.33         | 0.38               | 0.13               |
| 623*          | 109.54            | 5.33         | 0.38               | 0.13               |
| 348*          | 110.5             | 5.33         | 0.38               | 0.13               |
| 349*          | 113.67            | 5.33         | 0.38               | 0.13               |
| 350           | 116.84            | 5.33         | 0.38               | 0.13               |
| 860           | 117.48            | 5.33         | 0.38               | 0.13               |
| 351           | 120.02            | 5.33         | 0.38               | 0.13               |
| 861           | 120.65            | 5.33         | 0.38               | 0.13               |
| 352           | 123.2             | 5.33         | 0.38               | 0.13               |
| 862           | 123.83            | 5.33         | 0.38               | 0.13               |
| 353           | 126.37            | 5.33         | 0.38               | 0.13               |
| 863           | 127               | 5.33         | 0.58               | 0.13               |
| 354           | 129.54            | 5.33         | 0.58               | 0.13               |
| 864           | 130.18            | 5.33         | 0.58               | 0.13               |
| 355           | 132.72            | 5.33         | 0.58               | 0.13               |

| O OR : RINGS  |                   |              |                    |                   |
|---------------|-------------------|--------------|--------------------|-------------------|
| Fitco Ref no. | ID Inner Dia (MM) | W Width (MM) | Tolerance ID± (MM) | Tolerance W± (MM) |
| 866           | 136.53            | 5.33         | 0.58               | 0.13              |
| 357           | 139.07            | 5.33         | 0.58               | 0.13              |
| 867           | 139.7             | 5.33         | 0.58               | 0.13              |
| 358           | 142.24            | 5.33         | 0.58               | 0.13              |
| 868           | 142.88            | 5.33         | 0.58               | 0.13              |
| 359           | 145.42            | 5.33         | 0.58               | 0.13              |
| 869           | 146.05            | 5.33         | 0.58               | 0.13              |
| 360           | 148.6             | 5.33         | 0.58               | 0.13              |
| 870           | 149.23            | 5.33         | 0.58               | 0.13              |
| 361           | 151.77            | 5.33         | 0.58               | 0.13              |
| 644           | 155               | 5.33         | 0.58               | 0.13              |
| 362           | 158.12            | 5.33         | 0.58               | 0.13              |
| 645           | 161.3             | 5.33         | 0.58               | 0.13              |
| 363           | 164.47            | 5.33         | 0.58               | 0.13              |
| 646           | 167.7             | 5.33         | 0.58               | 0.13              |
| 364           | 170.82            | 5.33         | 0.58               | 0.13              |
| 647           | 174               | 5.33         | 0.58               | 0.13              |
| 365           | 177.17            | 5.33         | 0.58               | 0.13              |
| 366           | 183.52            | 5.33         | 0.76               | 0.13              |
| 367           | 189.87            | 5.33         | 0.76               | 0.13              |
| 368           | 196.22            | 5.33         | 0.76               | 0.13              |
| 369           | 202.57            | 5.33         | 0.76               | 0.13              |
| 370           | 208.92            | 5.33         | 0.76               | 0.13              |
| 371           | 215.27            | 5.33         | 0.76               | 0.13              |
| 372           | 221.62            | 5.33         | 0.76               | 0.13              |
| 373           | 227.97            | 5.33         | 0.76               | 0.13              |
| 374           | 234.32            | 5.33         | 0.76               | 0.13              |
| 375           | 240.67            | 5.33         | 0.76               | 0.13              |
| 376           | 247.02            | 5.33         | 0.76               | 0.13              |
| 377           | 253.37            | 5.33         | 0.76               | 0.13              |
| 378           | 266.07            | 5.33         | 0.76               | 0.13              |
| 379           | 278.77            | 5.33         | 0.76               | 0.13              |
| 380           | 291.47            | 5.33         | 0.76               | 0.13              |
| 381           | 304.17            | 5.33         | 0.76               | 0.13              |
| 382           | 329.57            | 5.33         | 0.76               | 0.13              |
| 383           | 354.97            | 5.33         | 0.76               | 0.13              |
| 384           | 380.37            | 5.33         | 0.76               | 0.13              |
| 385           | 405.26            | 5.33         | 1.14               | 0.13              |

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# AS-568 Standard O-Rings sizes

# FITCO®

| O OR : RINGS  |                   |              |                    |                    |
|---------------|-------------------|--------------|--------------------|--------------------|
| Fitco Ref no. | ID Inner Dia (MM) | W Width (MM) | Tolerance ID± (MM) | Tolerance W ± (MM) |
| 388           | 481.46            | 5.33         | 1.14               | 0.13               |
| 389           | 506.86            | 5.33         | 1.14               | 0.13               |
| 390           | 532.26            | 5.33         | 1.14               | 0.13               |
| 391           | 557.66            | 5.33         | 1.14               | 0.13               |
| 392           | 582.68            | 5.33         | 1.52               | 0.13               |
| 393           | 608.08            | 5.33         | 1.52               | 0.13               |
| 394           | 633.48            | 5.33         | 1.52               | 0.13               |
| 395           | 658.88            | 5.33         | 1.52               | 0.13               |
| 425*          | 113.67            | 6.99         | 0.38               | 0.15               |
| 624*          | 114.7             | 6.99         | 0.38               | 0.15               |
| 426*          | 116.84            | 6.99         | 0.38               | 0.15               |
| 427*          | 120.02            | 6.99         | 0.38               | 0.15               |
| 428*          | 123.2             | 6.99         | 0.38               | 0.15               |
| 625*          | 124.6             | 6.99         | 0.38               | 0.15               |
| 429*          | 126.37            | 6.99         | 0.38               | 0.15               |
| 430*          | 129.54            | 6.99         | 0.58               | 0.15               |
| 431*          | 132.72            | 6.99         | 0.58               | 0.15               |
| 626*          | 134.5             | 6.99         | 0.58               | 0.15               |
| 432*          | 135.9             | 6.99         | 0.58               | 0.15               |
| 433*          | 139.07            | 6.99         | 0.58               | 0.15               |
| 434*          | 142.24            | 6.99         | 0.58               | 0.15               |
| 435*          | 145.42            | 6.99         | 0.58               | 0.15               |
| 436*          | 148.6             | 6.99         | 0.58               | 0.15               |
| 437*          | 151.77            | 6.99         | 0.58               | 0.15               |
| 872*          | 155.6             | 6.99         | 0.58               | 0.15               |
| 438*          | 158.12            | 6.99         | 0.58               | 0.15               |
| 627*          | 159.5             | 6.99         | 0.58               | 0.15               |
| 874*          | 161.9             | 6.99         | 0.58               | 0.15               |
| 439*          | 164.47            | 6.99         | 0.58               | 0.15               |
| 628*          | 166.7             | 6.99         | 0.58               | 0.15               |
| 876*          | 168.3             | 6.99         | 0.58               | 0.15               |
| 440*          | 170.82            | 6.99         | 0.58               | 0.15               |
| 878*          | 174.6             | 6.99         | 0.58               | 0.15               |
| 441*          | 177.17            | 6.99         | 0.58               | 0.15               |
| 880*          | 181               | 6.99         | 0.76               | 0.15               |
| 442*          | 183.52            | 6.99         | 0.76               | 0.15               |
| 882*          | 187.3             | 6.99         | 0.76               | 0.15               |
| 443*          | 189.87            | 6.99         | 0.76               | 0.15               |
| 884*          | 193.7             | 6.99         | 0.76               | 0.15               |
| 444*          | 196.22            | 6.99         | 0.76               | 0.15               |
| 886*          |                   |              |                    | 0.15               |

| O OR : RINGS  |                   |              |                    |                   |
|---------------|-------------------|--------------|--------------------|-------------------|
| Fitco Ref no. | ID Inner Dia (MM) | W Width (MM) | Tolerance ID± (MM) | Tolerance W± (MM) |
| 674*          | 208.92            | 6.99         | 0.76               | 0.15              |
| 446           | 215.27            | 6.99         | 0.76               | 0.15              |
| 676           | 221.62            | 6.99         | 0.76               | 0.15              |
| 447           | 227.97            | 6.99         | 0.76               | 0.15              |
| 678           | 234.32            | 6.99         | 0.76               | 0.15              |
| 448           | 240.67            | 6.99         | 0.76               | 0.15              |
| 680           | 247               | 6.99         | 0.76               | 0.15              |
| 449           | 253.57            | 6.99         | 0.76               | 0.15              |
| 682           | 259.7             | 6.99         | 0.76               | 0.15              |
| 450           | 266.07            | 6.99         | 0.76               | 0.15              |
| 684           | 272.4             | 6.99         | 0.76               | 0.15              |
| 451           | 278.77            | 6.99         | 0.76               | 0.15              |
| 686           | 285.1             | 6.99         | 0.76               | 0.15              |
| 452           | 291.47            | 6.99         | 0.76               | 0.15              |
| 688           | 297.8             | 6.99         | 0.76               | 0.15              |
| 453           | 304.17            | 6.99         | 0.76               | 0.15              |
| 648           | 310.5             | 6.99         | 0.76               | 0.15              |
| 454           | 316.87            | 6.99         | 0.76               | 0.15              |
| 649           | 323.2             | 6.99         | 0.76               | 0.15              |
| 455           | 329.57            | 6.99         | 0.76               | 0.15              |
| 650           | 335.9             | 6.99         | 0.76               | 0.15              |
| 456           | 342.27            | 6.99         | 0.76               | 0.15              |
| 457           | 354.97            | 6.99         | 0.76               | 0.15              |
| 458           | 367.67            | 6.99         | 0.76               | 0.15              |
| 459           | 380.37            | 6.99         | 0.76               | 0.15              |
| 460           | 393.07            | 6.99         | 0.76               | 0.15              |
| 461           | 405.26            | 6.99         | 1.14               | 0.15              |
| 462           | 417.96            | 6.99         | 1.14               | 0.15              |
| 463           | 430.66            | 6.99         | 1.14               | 0.15              |
| 464           | 443.36            | 6.99         | 1.14               | 0.15              |
| 465           | 456.06            | 6.99         | 1.14               | 0.15              |
| 466           | 468.76            | 6.99         | 1.14               | 0.15              |
| 467           | 481.46            | 6.99         | 1.14               | 0.15              |
| 468           | 494.16            | 6.99         | 1.14               | 0.15              |
| 469           | 506.86            | 6.99         | 1.14               | 0.15              |
| 470           | 532.26            | 6.99         | 1.14               | 0.15              |
| 471           | 557.66            | 6.99         | 1.14               | 0.15              |
| 472           | 582.68            | 6.99         | 1.52               | 0.15              |
| 473           | 608.08            | 6.99         | 1.52               | 0.15              |
| 474           | 633.48            | 6.99         | 1.52               | 0.15              |
| 475           | 658.88            | 6.99         | 1.52               | 0.15              |

These are some of the profiles mentioned above, we also manufacture as per customer's designs and specifications.

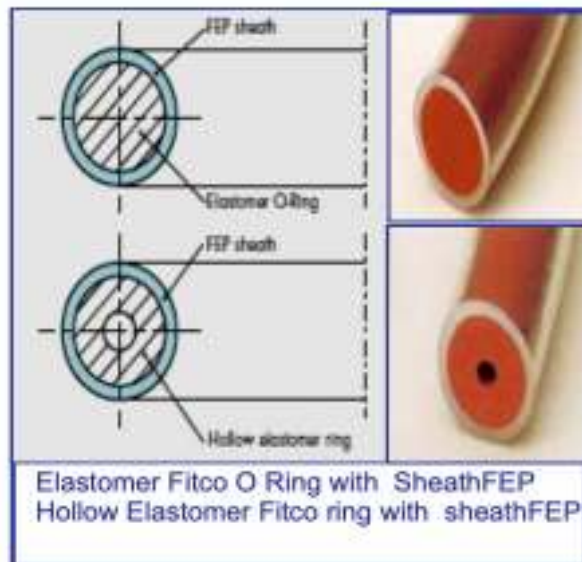
To order or get further details Email: [fitco@fitcorings.com](mailto:fitco@fitcorings.com) or visit us [www.fitcorings.com](http://www.fitcorings.com)

## FEP Encapsulated O-Rings

# FITCO®

Fitco O-Rings consist of an elastomer inner ring and a seamless FDA sheath which surrounds the elastomer rings, they are made with viton and silicon elastomers. Viton elastomer gives optimum compression set characteristics and Silicon is FEP compliant.

FEPFEP is a co-polymer of hexafluoropropylene. encapsulated Fitco O-Rings are used wherever the chemical resistance of normal elastomer O Rings are not sufficient. The required elasticity is provided by the elastomer ring, the chemical resistance by the seamless FEP Sheath.



## Advantages

- Temperature range from -60 C to +200 C
- Can be used with food stuffs, pharmaceutical and medicine products.
- Chemical resistance to most liquids, with exception of liquid alkaline metals and fluorine compounds.
- Adequate elastic behaviour for improved sealability
- Safe and can be sterilised
- No Adhesion or stick-slip effect, low friction

## Applications

These O-Rings are used in various industries like petrochemicals, chemicals processing, oil extraction, medical technology, food process, water, sewage, pharmaceutical, paint, automotive etc.

FEP encapsulated o-rings are used for the sealing of valve spindles and also as a secondary seal for mechanical seals.

Fitco FEP O-Rings are generally used for static applications, they are also used for slow switching and rotary movements. For chemical process industry we provide

## O-Ring Cords-Bonded Seals

# FITCO®

### O-Ring Cords

FITCO O-Ring Cord is an O-Ring Profile available in running lengths & in various cord diameters. We manufacture a large selection of cord in metric and inch cross sections by metre to any length .

The cord can be profile cut to required angle & both ends joints with the help of an adhesive to form a circular ring. Fitco O-Ring Cords form a very useful substitute to sudden break down Jobs & helps in saving time to get expensive assemblies executed, instead of waiting for an endless O-Ring ordered or to be procured.

Material: Viton (EPDM/EPM), Ethylen-propylene (CR), Neoprene (NBR) ,Nitrile (VMQ), Silicone(FKM)



### Bonded Seals

Bonded seals also known as dowty seals has external metal ring with internal elastomer sealing lip with zinc chrome plated on metal.



It is used for static applications in mechanical engineering for threaded fittings ,flange connections etc . Bonded Seals enhances secure self-reinforced sealing and is suitable for high pressures.

#### Bonded Seal :BS



| Nominal Dia<br>BSP sizes | ID<br>size mm | OD<br>size mm | Metal<br>thickness | Thickness |
|--------------------------|---------------|---------------|--------------------|-----------|
| 1/8"                     | 10.24         | 15.88         | 2                  | 3         |
| 1/4"                     | 13.64         | 20.57         | 2                  | 3         |
| 3/8"                     | 17.15         | 23.80         | 2                  | 3         |
| 1/2"                     | 21.41         | 28.58         | 2                  | 3.6       |
| 5/8"                     | 23.40         | 31.80         | 2                  | 3.6       |
| 3/4"                     | 26.92         | 34.93         | 2                  | 3.6       |
| 7/8"                     | 30.00         | 38.50         | 2                  | 3.6       |
| 1"                       | 33.76         | 42.80         | 3                  | 4.2       |
| 1-1/4"                   | 42.80         | 52.38         | 3                  | 4.2       |
| 1 1/2"                   | 48.31         | 58.60         | 3                  | 4.2       |
| 1-3/4"                   | 54.76         | 69.85         | 3                  | 4.2       |
| 2"                       | 60.45         | 73.03         | 3                  | 4.2       |
| 2-1/4"                   | 66.55         | 79.50         | 3                  | 4.2       |
| 2-1/2"                   | 75.60         | 90.17         | 3                  | 4.2       |

## O-Ring Kits

Fitco O-Ring Kit is industry standard with the most often used AS-568 Standard O-Ring sizes and Metric sizes.

**Material :** Nitrile (NBR) with 70 Shore A Hardness

### O-Ring Kit Metric sizes

| ID size mm | W size mm | Qty no. | ID size mm | W size mm | Qty no. |
|------------|-----------|---------|------------|-----------|---------|
| 3          | 2         | 20      | 22         | 2.5       | 14      |
| 5          | 2         | 20      | 22         | 3.5       | 10      |
| 6          | 2         | 18      | 23         | 3.5       | 10      |
| 8          | 2         | 18      | 25         | 3.5       | 10      |
| 10         | 2         | 18      | 27         | 3.5       | 10      |
| 10         | 2.5       | 14      | 28         | 3.5       | 10      |
| 12         | 2.5       | 14      | 30         | 3.5       | 10      |
| 13         | 2         | 18      | 31         | 3.5       | 10      |
| 14         | 2.5       | 14      | 32         | 3.5       | 10      |
| 15         | 2.5       | 14      | 34         | 3.5       | 10      |
| 16         | 2.5       | 14      | 36         | 3.5       | 10      |
| 18         | 2.5       | 14      | 38         | 3.5       | 10      |
| 18         | 3.5       | 10      | 41         | 3.5       | 10      |
| 20         | 2.5       | 14      | 44         | 3.5       | 10      |
| 20         | 3.5       | 10      | 46         | 3.5       | 10      |
|            | 2.5       | 14      |            | 3.5       | 10      |



### O-Ring Kit AS568 sizes

| ID size mm | W size mm | Qty no. | ID size mm | W size mm | Qty no. |
|------------|-----------|---------|------------|-----------|---------|
| 2.9        | 1.78      | 20      | 20.2       | 3.53      | 10      |
| 3.68       | 1.78      | 20      | 21.8       | 3.53      | 10      |
| 4.47       | 1.78      | 20      | 23.3       | 3.53      | 10      |
| 5.29       | 1.78      | 20      | 24.9       | 3.53      | 10      |
| 6.07       | 1.78      | 20      | 26.5       | 3.53      | 10      |
| 7.65       | 1.78      | 20      | 28.1       | 3.53      | 10      |
| 9.25       | 1.78      | 20      | 29.7       | 3.53      | 10      |
| 9.19       | 2.62      | 13      | 31.3       | 3.53      | 10      |
| 10.7       | 2.62      | 13      | 32.9       | 3.53      | 10      |
| 12.3       | 2.62      | 13      | 34.5       | 3.53      | 10      |
| 13.9       | 2.62      | 13      | 36.0       | 3.53      | 10      |
| 15.5       | 2.62      | 13      | 37.6       | 3.53      | 10      |
| 17.1       | 2.62      | 13      | 37.4       | 5.33      | 7       |
| 18.7       | 2.62      | 13      | 40.6       | 5.33      | 7       |
| 18.6       | 3.53      | 10      | 43.8       | 5.33      | 7       |

## Shelf Life of Elastomers

The shelf life of seals depends to a large extent on the polymer type.

EPDM - 8 years

PTFE unlimited

CRNBR, - 6 years

FKMVMQ, - 10 years

AUTFE, /P, Thermoplastics - 4 years

Extension of the shelf life is possible by a checkup after the above periods.

Seals are often stored for longer time periods, wrong storage conditions may change the the physical properties of elastomers ,like hardening, softening, crack initiation, breakage or other degradation they can become unusable.

Material deterioration is due to certain factors such as deformation, high temperatures, contact with oxygen, ozone, light, humidity or other media.

An ISO 9001 Registered Company

**FITCO®**

# Fitco Orings Pvt Ltd

## Our Locations

### Mumbai:

- 403, Roha Orion, 16th Road,  
Bandra (West), Mumbai 400050, India

Tel : +91-22-26050727, 26050737, 26485772  
Email : [fitco@fitcorings.com](mailto:fitco@fitcorings.com)

### Mohali :

- S.C.F. 39, Phase V,  
Sector-59,  
S.A.S. Nagar, Mohali -160059

Tel : +91-172-2271588 , 2265811  
Email : [orings@fitcorings.com](mailto:orings@fitcorings.com)



Visit us : [www.fitcorings.com](http://www.fitcorings.com)

To order or get further details Email: [fitco@fitcorings.com](mailto:fitco@fitcorings.com) or visit us [www.fitcorings.com](http://www.fitcorings.com)