



# DICHTOMATIK METAL DETECTABLE PRODUCTS

For the food & beverage or pharmaceutical industries, there are extremely strict regulations involving the purity of the products. With such an influence on ensuring quality, it is paramount that you have a reliable sealing solution.

## THE PROBLEM

When seals are subjected to excessive use in demanding applications damage can occur that could cause the seal to shear and end up in the product no matter the quality of the seal. With traditional seals it can be difficult to catch the impurities in the products before they ship, resulting in the possibility of recalls and consumer mistrust.

## THE SOLUTION

Our metal-detectable seals are designed specifically to solve this problem. In the event of the seal failing, you will immediately be notified of the issue by metal detectors on your line. This prevents tainted products from ever being shipped out and allows your team to shut down the line quickly to find the issue reducing the amount of waste your line creates.

## HOW IT WORKS

Metal-detectable seals are created by adding metallic fillers to the sealing material itself. Adding this makes it possible to detect by utilizing metal detectors that are already commonly used to find foreign materials entering the product.

## ADVANTAGES

- Easy detection of lost elastomeric fragments
- Prevents product recalls due to contamination
- Available in several materials and sizes
- Provides peace of mind
- Ensures your reputation for producing quality safe products

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.

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## SEAL MATERIALS

| MATERIAL | COLOR  |
|----------|--------|
| FKM      | BLUE   |
| EPDM     | YELLOW |
| NBR      | GREEN  |
| SILICONE | ORANGE |

## METAL DETECTABLE PORTFOLIO

- O-rings
- Sanitary Gaskets

## COMMON INDUSTRIES

- Beverage bottling
- Breweries, Distilleries & Wineries
- Dairy
- Food manufacturing and packaging
- Pharmaceutical
- Produce & Meatpacking

## DIMENSIONS

The currently available dimensions can be found on our website [australiashop.fst.com](http://australiashop.fst.com).



# DICHTOMATIK METAL DETECTABLE O-RINGS

Metal-detectable O-rings are like a traditional elastomer seal with adding metallic fillers that allow metal detectors to quickly identify and find contaminated products. When any seal is subjected to excessive use or continuous use in demanding application damage can occur causing the seal to degrade increasing the risk of fragments of the elastomer ending up in the product being manufactured.

## WHERE THEY ARE USED

The food & beverage or pharmaceutical industries have extremely strict regulations regarding the purity of the products. Due to this everything that can meet the product including seals must meet these standards. Metal-detectable O-rings are tools that help manufacturers meet these standards and ensure if a seal degrades no fragments make it into a product that reaches customers preventing expensive recalls.

## HOW THEY WORK

Metal-detectable O-rings can be made from several standard sealing materials and adding metallic fillers into the seal. These metallic fillers can be detected by metal detectors or X-Ray machines that are already commonly used in food and beverage or pharmaceutical manufacturing facilities today. Being easy to identify allows manufacturers to have peace of mind knowing if a seal failure would happen, they will be notified allowing them to locate the issue immediately reducing waste and ensuring only the highest quality products make it to their customers.

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## O-RING MATERIALS

| MATERIAL | COLOR  |
|----------|--------|
| FKM      | BLUE   |
| EPDM     | YELLOW |
| NBR      | GREEN  |
| SILICONE | ORANGE |

## ADVANTAGES

- Easy detection of lost elastomeric fragments
- Prevents product recalls due to contamination
- Available in several materials and sizes
- Provides peace of mind
- Ensures your reputation for producing quality safe products

## COMMON INDUSTRIES

- Beverage bottling
- Breweries, Distilleries & Wineries
- Dairy
- Food manufacturing and packaging
- Pharmaceutical
- Produce & Meatpacking



# METAL DETECTABLE SANITARY GASKETS

Metal-detectable sanitary gaskets are like a traditional elastomer seal with adding metallic fillers that allow metal detectors to quickly identify and find contaminated products. When any seal is subjected to excessive use or continuous use in demanding application damage can occur causing the seal to degrade increasing the risk of fragments of the elastomer ending up in the product being manufactured.

## HOW THEY WORK

Metal-detectable sanitary gaskets can be made from several standard sealing materials and adding metallic fillers into the seal. These metallic fillers can be detected by metal detectors or X-Ray machines that are already commonly used in food and beverage or pharmaceutical manufacturing facilities today. Being easy to identify allows manufacturers to have peace of mind knowing if a seal failure would happen, they will be notified allowing them to locate the issue immediately reducing waste and ensuring only the highest quality products make it to their customers.

## PROFILES

- CS1 - Flanged Lip
- CS2 - Mini Tri-clamp
- CS3 - No Lip

## COMMON INDUSTRIES

- Beverage bottling
- Breweries, Distilleries & Wineries
- Dairy
- Food manufacturing and packaging
- Pharmaceutical
- Produce & Meatpacking

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## GASKET MATERIALS

| MATERIAL | COLOR  |
|----------|--------|
| FKM      | BLUE   |
| EPDM     | YELLOW |
| NBR      | GREEN  |
| SILICONE | ORANGE |

## ADVANTAGES

- Easy detection of lost elastomeric fragments
- Prevents product recalls due to contamination
- Available in several materials and sizes
- Provides peace of mind
- Ensures your reputation for producing quality safe products

## DIMENSIONS

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