

## Product Specifications

| Revised March 2015



**Product Name:** Vacuum Depanner Suction Cups (Metal Detectable)

**Product Description** Vacuum depanner belts with silicone suction cups are widely used throughout the baking industry as a fast and effective method of extracting bakery products from oven pans on a moving conveyor belt. The heat and speed of this process results in inevitable wear on silicone based suction cups. The metal detectable silicone suction cups are designed to reduce the risk of silicone fragments contaminating food products during the depanning process, the suction cups contain an evenly dispersed metal detectable additive, making the cup and its fragments detectable by correctly calibrated in line metal detection systems.

Their metal detectable properties and extensive food contact approvals make The metal detectable suction cups the ideal vacuum depanner suction cup. Our cups are available in a variety of styles to suit different applications, hard cups for bread loafs, soft cups for morning goods such as pastries, and extra wide soft cups for muffins.

The metal detectable suction cups are a cost effective solution for preventing contamination, cost far less than product wastage and definitely less than a damaged reputation due to a product recall.

- Product Advantages:**
- ✓ Detectable by conventional metal detection systems
  - ✓ Highly visible blue or terracotta colours for easy visual identification
  - ✓ Available in a variety of styles to suit different applications
  - ✓ FDA Approved Material
  - ✓ EU Approved Material
  - ✓ Heat resistant to 200°C

**Product Material(s):** Manufactured from food safe silicone rubber, with a non-hazardous metal detectable additive. This composite formulation is heat resistant to 200°C.

## PRODUKTINFORMATIONEN

### Specific Cup Details:

Product Description	Product Order Code	Plain/Ringed Round/Hex	Colour Availability	Product Dimensions	Product Image
<b>Soft Suction Cup</b> <i>Suitable for morning goods, pastries etc.</i>	8250005-R 8250005-B	Plain	Terracotta Light Blue	Diameter: 40mm Height: 40mm Hole Size: 14mm	
<b>Soft Suction Cup</b> <i>Suitable for morning goods, pastries etc.</i>		Plain	Terracotta	Diameter : 36mm Height: 36mm Hole Size: 14mm	
<b>Hard Suction Cup</b> <i>Suitable for bread products</i>	8250001-B	Ringed	Blue	Diameter: 40mm Height: 40mm Hole Size: 14mm	
<b>Hard Suction Cup</b> <i>Suitable for morning goods, pastries etc.</i>		Plain	Blue	Diameter : 40mm Height: 50mm Hole Size: 25mm	
<b>Hard Suction Cup</b> <i>Suitable for bread products</i>	8250006-B	Plain	Blue	Diameter: 40mm Height: 40mm Hole Size: 14mm	

## PRODUKTINFORMATIONEN

<b>Long Neck Hard Suction</b> <i>Suitable for bread products</i>	8250006-B	Ringed	Blue	Diameter : 40mm Height: 50mm Hole Size: 12mm	
<b>Small Soft Muffin Suction Cup</b> <i>Suitable for small muffins</i>		Plain	Terracotta	Diameter: 46mm Height: 33mm Hole Size: 17mm	
<b>Medium Soft Muffin Suction</b> <i>Suitable for medium muffins</i>		Plain	Terracotta	Diameter: 66mm Height: 44mm Hole Size: 17mm	
<b>Large Soft Muffin Suction Cup</b> <i>Suitable for large muffins</i>		Plain	Terracotta	Diameter: 80mm Height: 45mm Hole Size: 24mm	
<b>Single Round Retaining Clip</b>		Round Hole	Blue	Hole Size: 6.6mm Hole Size: 8.0mm Hole Size: 9.0mm Hole Size: 9.5mm (Depth: 7.5mm)	
<b>Single Hex Retaining Clip</b>		Hex Hole	Blue	Hole Size: 8.0mm Hole Size 9.0mm (Depth: 7.5mm)	

## PRODUKTINFORMATIONEN

<b>Double Hex Retaining Clip</b>		Hex Hole	Blue	Hole Size: 8.0mm Hole Size: 9.0mm (Depth: 17mm)	
<b>8.0mm Neck Long Round Retaining Clip</b>		Round Hole	Blue	Hole Size: 8.0mm Depth: 30mm	
<b>Blank Single Retaining Clip</b>		Blank	Blue	Blank Depth: 7.5mm	

## PRODUKTINFORMATIONEN

### Standards Compliance:

**FDA Section 21 : CFR 177.2600** - The silicone polymer, pigments and curative used in the manufacture of the bellows are suitable for food applications, and will meet the FDA Section 21 CFR 177.2600 covering "rubber articles intended for repeated use". A low percentage of non hazardous metal detectable additive is then fully mixed/interlocked to this base polymer to make it detectable.

**EC Regulation 1935/2004 & 2023/2006** - The suction cups also conform to certain EU Regulations that allow them to comply with the applicable requirements of Article 3, and Articles 15 and 17 of the Regulation (EC) 1935/2004 and the GMP requirements of Regulation EC 2023/2006.

**EU Directive 2002/72/EC** - This directive is titled "relating to plastics materials and articles intended to come into contact with foodstuffs", and in this Directive, the cups silicone compound is not classed as a plastic.

In the absence of an equivalent Directive for Silicones with or without additives, we declare that with regards to the Silicone suction cups with metal detectable additive, used in a repeat application, if there was a transfer of the metal detectable additive to the product, it would be so small as to be insignificant compared to that ingested naturally from other food sources.

### Detectability Information:

The silicone suction cups contain an evenly dispersed metal detectable additive, making them detectable by correctly calibrated metal detection systems.

Our range of detectable suction cups and retainer clips is continually developed, and has been sold successfully for approximately 27 years. The products have successfully helped prevent food product contamination. By fitting these detectable products to suction depanner belts indicates that the food manufacturer is acting diligently.

It should be noted however that all applications vary, as do the products being handled, and therefore Niebling cannot accept any liability for detection failure, for example due particularly to small parts or pieces of a suction cup not being detected.

### Standards Compliance

The detectable depanner belt retainer clips, although not used in direct contact with the food, are manufactured from plastic polymer grades intended for various food contact applications in the European Members States, and the U.S.A., and are compliant with EU Directive 2002/72/EC.

### Detectability

The detectable depanner belt retainer clips contain an evenly dispersed metal detectable additive, making them detectable by correctly calibrated metal detection systems.

Our range of detectable suction cups and retainer clips is continually developed, and has been sold successfully for approximately 27 years. The products have successfully helped prevent food product contamination. By fitting these detectable products to suction depanner belts indicates that the food manufacturer is acting diligently.

It should be noted however that all applications vary, as do the products being handled, and therefore Niebling cannot accept any liability for detection failure, for example due particularly to small parts or pieces of a suction cup not being detected. Niebling recommend that all our products be thoroughly tested on your metal detection systems by a trained and certified professional. It may the case that your equipment may need to be recalibrated in order to reliably detect this product. Such a professional should be available by contacting the manufacturer of your metal detection system.

---

### DISCLAIMER

The information provided in this product specification sheet is based on our experience and knowledge to date and we believe it to be true and reliable. This information is intended as a guide for your use of our products, the use of which is entirely at your own discretion and risk. We, Niebling Technische Bürsten GmbH cannot guarantee favourable results and assume no liability in connection with the use of our products.