



BST Detectable Suction Cups |



The BST Detectable Suction Cups

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. BST metal detectable silicone suction cups are designed to be detected should they come into accidental contact with the food. BST 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 BST 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.

BST 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.

BST Suction Cup Advantages

- ✓ Detectable by in-line metal detection systems
- ✓ Highly visible blue or terracotta colours for easy visual identification
- ✓ Wide operating temperature range (upto 200°C)
- ✓ Available in a variety of styles to suit different applications
- ✓ FDA and EU Approved Material
- ✓ Can be used as part of HACCP and BRC procedures
- ✓ Displays due diligence in the prevention of foreign body contamination

Image	Product Description	Product Code	Dimensions
	Soft Suction Cup 40mm Terracotta Colour Plain Rim (25 Shore A)	21404T	Diameter: 40mm Height: 40mm
	Light Blue Colour Plain Rim (25 Shore A) Suitable for morning goods, pastries etc.	21404B	Hole Size: 14mm
	Soft Suction Cup 40mm with 25mm Bore Hole Terracotta Colour Plain Rim (25 Shore A) Suitable for morning goods, pastries etc.	18487SR	Diameter: 40mm Height: 40mm Hole Size: 25mm
	Soft Suction Cup 36mm Terracotta Colour Plain Rim (25 Shore A) Suitable for morning goods, pastries etc.	11615R	Diameter: 36mm Height: 36mm Hole Size: 14mm
	Soft Suction Cup 40mm with Long Neck Terracotta Colour Plain Rim (25 Shore A) Suitable for bread products.	21693SR	Diameter: 40mm Height: 70mm Hole Size: 14.5mm and 25mm
	Hard Suction Cup 40mm Blue Colour Ringed Rim (35 Shore A) Suitable for bread products.	06008B	Diameter: 40mm Height: 40mm Hole Size: 14mm
	Hard Suction Cup 40mm Blue Colour Plain Rim (35 Shore A) Suitable for bread products.	18741S	Diameter: 40mm Height: 40mm Hole Size: 14mm

Image	Product Description	Product Code	Dimensions
	<p>Hard Suction Cup 40mm Blue Colour Plain Rim (35 Shore A)</p> <p>Suitable for bread products</p>	18487SB	<p>Diameter: 40mm</p> <p>Height: 50mm</p> <p>Hole Size: 25mm</p>
	<p>Hard Suction Cup 40mm with Long Neck Blue Colour Ringed Rim (35 Shore A)</p> <p>Suitable for bread products</p>	10579B	<p>Diameter: 40mm</p> <p>Height: 50mm</p> <p>Hole Size: 12mm</p>

Product and Packaging Information

Pack Size	100	Material	Food Safe Silicone
Pack Weight	0.01kg	Detectability	Metal Detectable
Colour	B, LB, T	Country Of Origin	China
Temperature Range	Upto 200°C	Commodity Code	40169997

Safety Certificates / Approvals

FDA Approved	EU Compliant	BRCGS Compliant	ISO 9001:2015
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Product Materials

Manufactured from food safe silicone rubber, with a non-hazardous metal detectable additive. This composite formulation is heat resistant to 200°C.

Cleaning Information

BST silicone suction cups have a good resistance to water and immersion for several days and would give a volume change of less than 1%. Temperatures up to 100 °C should present no problems with loss of strength or hardness, although steam will cause a quicker degradation than immersion in water.

Food Contact Status (EU)

We declare that the Silicone Rubber bellows use polymers, additives and manufacturing processes that allow them to comply with the Regulation (EC) No. 1935/2004 and the GMP requirements of (EC) No. 2023/2006.

Food Contact Status (FDA)

We declare that the Silicone Rubber bellows that contain a metallic additive for detectability meets the requirements of the FDA Regulation section 21 CFR 177.2600 covering "Rubber Articles intended for repeated use in contact with aqueous and fatty foods", by meeting the extraction limits after testing accordingly by refluxing in distilled water and n-hexane.

Reach

These products are compliant to the latest SHVC Candidate List.

Our suppliers along with the assistance of the compound suppliers review the REACH status of the ingredients used to manufacture our compounds. This is carried out by obtaining the up to date status of the REACH 'SVHC' list through a weekly ECHA news letter to our Technical Department.

If a new SVHC substance appears on the list and it is in our compounds, we will immediately inform the customers affected and agree a plan of action. Trials to find a suitable replacement will commence, and when successful, new parts will be supplied to the customers for their approval before any permanent manufacturing changes take place.

RoHS

All Compounds used comply with the European Directive 2011/65/EU and its amendments (restriction of Lead, Mercury, Cadmium, Chrome, PBB and PBDE). All Compounds used comply with the European Delegated Directive 2015/863 which officially adds the following 4 new substances and maximum concentration values in homogeneous materials to Annex 11 of Ro HS Directive 2011/65/EU and its amendments (restriction of DEHP, BBP, DBP and DIBP).

Metal Detectability

BST 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 being 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 production line depanner belts the manufacturer is showing due diligence in the prevention of foreign body contamination.

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

Metal detectability performance will vary based on, but not limited to the following factors:

- Calibration Levels
- Product Type (E.g. Wet, Dry, Frozen, Liquid)
- Aperture Dimensions
- Orientation

Orientation is a highly influential factor for the metal detectability of a contaminant that is non spherical, i.e. it will be easier to detect the contaminant when passing in one orientation compared to another - this is known as the orientation effect.

For this reason BST recommend that all our products be thoroughly tested on your metal detection systems by a trained and certified professional. It may be the case that your equipment needs to be re-calibrated in order to reliably detect this product. Such a professional should be available by contacting the manufacturer of your metal detection system.

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, BS Teasdale & Son Ltd, cannot guarantee favourable results and assume no liability in connection with the use of our products. © 2023 BS Teasdale & Son Ltd. All Content, Data & Images are owned by BS Teasdale & Son Ltd and are protected by international copyright law.