

BST Detectable Heat Resistant Loop Tags | LT*



The BST Detectable Heat Resistant Loop Tags

BST metal detectable loop tags are designed to address foreign body contamination concerns associated with regular paper traceability tags used in food processing environments.

These metal detectable loop tags contain a 7 micron thick layer of aluminium foil designed to trigger metal detection systems, even when the tag is shredded into small pieces. BST testing concluded that even a

10x10mm piece of our tag material was sufficient to trigger a metal detection alarm and rejection process.

These tags are heat resistant to 250°C of dry oven heat and are available in two standard sizes with 8 standard colours. Our in-house bespoke printing service means that not just high volume users benefit from bespoke printing, please contact our sales team for a full consultation and quotation.

BST Loop Tag Advantages

- ✓ Detectable by in-line metal detection systems
- ✓ Available in 8 bold colours for easy visual identification
- ✓ Wide operating temperature range (-20° to 250°C)
- ✓ Tear Resistant and Self Locking
- ✓ EU Approved and German Recommendation XXXVI
- ✓ Bespoke printing service available
- ✓ Can be used as part of HACCP and BRC procedures
- ✓ Displays due diligence in the prevention of foreign body contamination

The BST Large Pre-printed Loop Tags

These large loop tags come on a roll of 500 and are available in eight colours. They are metal detectable, heat resistant, tear resistant and pre-printed as shown below.



Product and Packaging Information

Product Code	LTLSP*	Dimensions	48mm x 279.4mm
Pack Size	500 Tags Per Roll	Material	240gsm Uncoated Paper
Pack Weight	1.15kg	Thickness	230µm
Colours (Both sides)	B,R,G,Y,W,K,OR,PN,P	Outdoor Use	Not Recommended
Print	Pre-printed One Side	Detectability	Metal Detectable
Temperature Range	250°C	Country Of Origin	Britain
Tear Resistant	Yes	Commodity Code	48070080

Safety Certificates / Approvals

EU Compliant	BRC Compliant	ISO 9001:2015	Made In Britain
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The BST Large Blank Loop Tags

These large loop tags come on a roll of 500 and are available in eight colours. They are metal detectable, heat resistant and tear resistant. These tags can be written on using our BST permanent markers or they can be bespoke printed using our in-house thermal ribbon printer. As well as bespoke printed fields to suit your needs we can also print company names, websites, logos, barcodes and sequential numbering.



Product and Packaging Information

Product Code	LTLNP*	Dimensions	48mm x 279.4mm
Pack Size	500 Tags Per Roll	Material	240gsm Uncoated Paper
Pack Weight	1.15kg	Thickness	230µm
Colours (Both sides)	B,R,G,Y,W,K,OR,PN,P	Outdoor Use	Not Recommended
Print	Supplied Blank	Detectability	Metal Detectable
Temperature Range	250°C	Country Of Origin	Britain
Tear Resistant	Yes	Commodity Code	48070080

Safety Certificates / Approvals

EU Compliant	BRC Compliant	ISO 9001:2015	Made In Britain
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The BST Small Blank Loop Tags

These small loop tags come on a roll of 500 and are available in eight colours. They are metal detectable, heat resistant and tear resistant. These tags can be written on using our BST permanent markers or they can be bespoke printed using our in-house thermal ribbon printer. As well as bespoke printed fields to suit your needs we can also print company names, websites, logos, barcodes and sequential numbering.



Product and Packaging Information

Product Code	LTSNP*	Dimensions	25mm x 190.5mm
Pack Size	500 Tags Per Roll	Material	240gsm Uncoated Paper
Pack Weight	0.45kg	Thickness	230µm
Colours (Both sides)	B,R,G,Y,W,K,OR,PN,P	Outdoor Use	Not Recommended
Print	Supplied Blank	Detectability	Metal Detectable
Temperature Range	250°C	Country Of Origin	Britain
Tear Resistant	Yes	Commodity Code	48070080

Safety Certificates / Approvals

EU Compliant	BRC Compliant	ISO 9001:2015	Made In Britain
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Product Materials

A tear resistant, heat resistant, metal detectable tag. At approximately 230 microns the face materials are matt uncoated paper, the reverse side is also matt uncoated paper. A foil and PET film layer for is sandwiched between for metal detectability, strength and heat resistance.

First Outer Face: Subcomponent-1 - Fresh Fibre Paper
Intermediate Layer Subcomponent - 2 - Laminating Adhesive
Intermediate Layer Subcomponent - 3 - PET Film
Layer Subcomponent - 2 - Laminating Adhesive
Intermediate Layer Subcomponent - 4 - Aluminium Film
Intermediate Layer Subcomponent - 2 - Laminating Adhesive
Second Outer Face: Subcomponent - 1 - Fresh Fibre Paper

Typical Applications

Bakery batch identification & other traceability applications.

Food Contact Status (EU)

According to our suppliers, the detectable paper/film/paper compound used to manufacture BST Metal Detectable Loop Tags is in compliance with the rules of the Regulation (EC) No 1935/2004 of the European Parliament and Council of 27th October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC, Official Journal of the European Union L 338/4 of 13/11/2004, modified by app no 5.17 of the regulation (EC) No 596/2009 of 18th June 2009, Official Journal of the European Union L 188 of 18 July 2009, article 3. The product is also in compliance with Commission Regulation (EU) No 10/2011 of 14th January 2011 on plastic materials and articles

intended to come into contact with food, Official Journal of the European Union L 21/1 of 15th January 2011, last amendment by Commission Regulation (EU) No 2015/174 of 5th February 2015, Official Journal of the European Union L 30/2 of 6th February 2015. All changes and amendments in regulation to (EU) 10/2011 up to (EU) 1245/2020 were considered during the preparation of this declaration.

The plastic material components will comply with all applicable limits, including certain primary aromatic amines, metals and substances with unknown toxicological properties. These Metal Detectable Loop Tags may be used safely in contact with dry, non-fatty foodstuffs.

German Food Contact Approval

The product is also approved according to German Recommendation XXXVI for the health-related evaluation of materials and objects for the contact with foodstuffs in the frame of the Foodstuffs and Animal Feed Code, 34th memorandum, Bundesgesundheitsblatt 10, 14 (1967), including the 219th memorandum, Bundesgesundheitsblatt 58, 1195-1197 (2015), state of 1st July 2015.

BST declare that our Detectable Heat Resistant Loop Tags are suitable for use within the food industry, but without intentional or prolonged contact to foodstuff.

Metal Detectability

BST metal detectable loop tags contain a 7µ aluminium layer to provide metal detectability. As such, your inspection systems should be capable of detecting aluminium contaminants. These loop tags are not considered to be compatible when used in conjunction with aluminium trays / other aluminium food packaging. 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.

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