

BST DETECTABLE BRUSHES

FOOD SAFE BRUSHES FEATURING DETECTABLE PBT BRISTLES



Product Specifications

BRN18* | Revised September 2018

Product Name: Part Metal Detectable Brushes & Broom Heads

Product Description: Our wide range of hygienic brushes and brooms feature fully detectable, specially formulated moulded-in bristles. The PBT bristle material has very low moisture absorption, high temperature resistance, good wear resistance and can be autoclaved. Stray bristles are designed to be detected by in line metal detection systems which are widely used throughout the food industry. By being detected, contaminated food can be automatically rejected, actively reducing foreign body contamination associated with regular brush bristles.

BST have a range of brushes, from small Tube Brushes ideal for cleaning tubes and bottles to Extra Long Utility Brushes ideal for cleaning large containers, buckets and machinery. We also have a selection of Broom Heads designed to fit easily and securely to our aluminium broom handles, which are supplied separately.

Product Code: BRN1*

Pack Size: 1

Handle Colour: Blue / White

Bristle Colour: Grey

Product Materials: Brush Handles: Non Detectable Polypropylene Plastic
Brush Bristles: Metal Detectable Polybutylene Terephthalate Plastic

Product Advantages:



- ✓ Detectable by conventional metal detection systems
- ✓ Highly visible bright blue body colour for easy visual identification
- ✓ Feature ergonomic grips & hangers



BS Teasdale & Son Ltd. Unit 7, Delta Court, Sky Business Park, Robin Hood Airport, Doncaster, South Yorkshire, DN9 3GN
Tel: 0845 643 0950 **Email:** sales@detectable-products.co.uk **Web:** www.detectable-products.co.uk

BST DETECTABLE BRUSHES

FOOD SAFE BRUSHES FEATURING DETECTABLE PBT BRISTLES


Brush Description	Pack Weight	Brush Dimensions	Bristles	Product Code
10mm Ø Tube Brush 	0.05kg	500mm x 10 Ø	Grey PBT Bristles 0.35 mm Ø	BRN182107250TB
20mm Ø Tube Brush 	0.05kg	500mm x 20 Ø	Grey PBT Bristles 0.35 mm Ø	BRN182107252TB
30mm Ø Tube Brush 	0.05kg	500mm x 30 Ø	Grey PBT Bristles 0.35 mm Ø	BRN182107254TB
40mm Ø Tube Brush 	0.05kg	500mm x 40 Ø	Grey PBT Bristles 0.35 mm Ø	BRN182107256TB



BS Teasdale & Son Ltd. Unit 7, Delta Court, Sky Business Park, Robin Hood Airport, Doncaster, South Yorkshire, DN9 3GN
Tel: 0845 643 0950 Email: sales@detectable-products.co.uk Web: www.detectable-products.co.uk

BST DETECTABLE BRUSHES

FOOD SAFE BRUSHES FEATURING DETECTABLE PBT BRISTLES

<p>50mm Ø Tube Brush</p> 	0.05kg	500mm x 50 Ø	Grey PBT Bristles 0.60 mm Ø	BRN182107258TB
<p>60mm Ø Tube Brush</p> 	0.05kg	500mm x 60 Ø	Grey PBT Bristles 0.60 mm Ø	BRN182107259TB
<p>Pastry Brushes</p> 	0.05kg	215mm x 30mm 215mm x 50mm 215mm x 70mm	Grey PBT Bristles 0.60 mm Ø	BRN18283030TW BRN18283050TW BRN18283070TW
<p>Corner Brush</p> 	0.15kg	300mm x 20mm	Grey PBT Bristles 0.60 mm Ø	BRN18210299TW



BS Teasdale & Son Ltd. Unit 7, Delta Court, Sky Business Park, Robin Hood Airport, Doncaster, South Yorkshire, DN9 3GN
Tel: 0845 643 0950 **Email:** sales@detectable-products.co.uk **Web:** www.detectable-products.co.uk

BST DETECTABLE BRUSHES

FOOD SAFE BRUSHES FEATURING DETECTABLE PBT BRISTLES

<p>Churn Brush</p> 	0.20kg	270mm x 50mm	Grey PBT Bristles 0.60 mm Ø	BRN18210548TB
			Grey PBT Bristles 0.35 mm Ø	BRN18210546TB
<p>Banister Brush</p> 	0.20kg	340mm x 35mm	Grey PBT Bristles 0.60 mm Ø	BRN18210255TB
	0.20kg	340mm x 35mm	Grey PBT Bristles 0.35 mm Ø	BRN18210252TB
<p>Long Utility Brush</p> 	0.20kg	400mm x 50mm	Grey PBT Bristles 0.35 mm Ø	BRN18210213TB
<p>Extra Long Utility Brush</p> 	0.45kg	770mm x 40mm	Grey PBT Bristles 0.60 mm Ø	BRN18219999TW



BS Teasdale & Son Ltd. Unit 7, Delta Court, Sky Business Park, Robin Hood Airport, Doncaster, South Yorkshire, DN9 3GN
Tel: 0845 643 0950 **Email:** sales@detectable-products.co.uk **Web:** www.detectable-products.co.uk

BST DETECTABLE BRUSHES

FOOD SAFE BRUSHES FEATURING DETECTABLE PBT BRISTLES

<p>Cutter Brush</p> 	0.20kg	510 x 100 mm	Grey PBT Bristles 0.60 mm Ø	BRN18250155TB
<p>Narrow Broom Head</p> 	0.30kg	230mm x 35mm	Purple PBT Bristles 0.60 mm Ø	BRN18240157TB
<p>Small Broom Head</p> 	0.45kg	300mm x 60mm	Purple PBT Bristles 0.60 mm Ø	BRN18243153TB
<p>Large Broom Head</p> 	0.55kg	400mm x 50mm	Purple PBT Bristles 0.35 mm Ø	BRN18215206TB
<p>Aluminium Broom Handle</p> 	0.60kg	1500mm x 32 Ø	Silver / Blue	BRN18050321TS



BS Teasdale & Son Ltd. Unit 7, Delta Court, Sky Business Park, Robin Hood Airport, Doncaster, South Yorkshire, DN9 3GN
Tel: 0845 643 0950 **Email:** sales@detectable-products.co.uk **Web:** www.detectable-products.co.uk

BST DETECTABLE BRUSHES

FOOD SAFE BRUSHES FEATURING DETECTABLE PBT BRISTLES

Food Contact Status

The PBT filaments used in our brushes are compliant with FDA regulation 21CFR 1077.1660 "Polytetramethylene Terephthalate", with the scope of application being "Filaments used for repeated use in contact with food". Brush handles are manufactured using food safe polypropylene plastic.

Metal Detectability

The bristles of our brushes are embedded with food safe ferrous content, giving them magnetic properties and making them detectable by conventional metal detection systems. Successful bristle detection is dependent on:

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

Detectability of the bristles were tested on a Mettler Toledo Safeline 'R Series' using a typical food industry machine calibration of 0,90mm Ferrous, 800 kHz frequency, Sensitivity 999, 0° Phase, without the influence of foodstuffs. The following single filament length is detectable.

Filament direction

<u>Ø</u>	<u>Longitudinal</u>	<u>Transverse</u>
0,35 mm	25 mm	50 mm
0,60 mm	10 mm	25 mm

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 recalibrated in order to reliably detect bristles. 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, BS Teasdale & Son Ltd, cannot guarantee favourable results and assume no liability in connection with the use of our products. © 2014 BS Teasdale & Son Ltd. All Content, Data & Images are owned by BS Teasdale & Son Ltd and are protected by international copyright law.

