



Instructions for Use: Tube Brushes

Brand Name of Product	Tube Brushes
Generic Name of Product	Tube Brushes, Reamer Brushes, Trumpet Valve Brush
Product Code Number(s)	4030, 4031, 52003-35, 4032, 4033, 4034, 4041-3, 4041-1, 4042-3, TR350109-3, TR350232-3, TR350233-3, BRS-12-4, TR350354-3, TR350429-3, TR150483-3, TR150221-3, TR360231-3, TR160617-3, TR52003-21-S, 10-1660, TR03020-3, 52003-21, 52003-21-S, 52003-23, 52003-25, 52003-27, 520321-12, 520321S-12, 520323-12, 520327-12, 520325-12, 520333-12, 520335-12, 4035, 4041, 4036, 4037, 4038, 4039, 10-1664, 10-1668, ICB-007-1, ICB-007-6, ICB-007-50, ICB-008-1, ICB-008-6, ICB-008-50, ICB-009-1, ICB-009-6, ICB-009-50, ICB-013-1, ICB-013-6, ICB-013-50, ICB-010-1, ICB-010-6, ICB-010-50, ICB-011-1, ICB-011-6, ICB-011-50, ICB-012-1, ICB-012-6, ICB-012-50, ICB-014-1, ICB-014-6, ICB-014-50, ICB-001-1, ICB-001-6, ICB-001-50, ICB-002-1, ICB-002-6, ICB-002-50, ICB-003-1, ICB-003-6, ICB-003-50, ICB-004-1, ICB-004-6, ICB-004-50, ICB-005-1, ICB-005-6, ICB-005-50, ICB-006-1, ICB-006-50, 86-0340-1206, 86-1234-0006, 86-0516-1212, 86-00004-0009, 86-02120-1234, RB300105, RB310306, RB310307, BRS-TV, 130-14, 130-38, BRK-SHVR. 3770-50, 3770, 00711610.
Purpose of Product	To assist in cleaning of the channels and lumens of cannulated items in conjunction with a suitable cleaning solution according to the manufacturer's IFU of that specific item.
Range of Applications for Product	Any cannulated item for which brushing of internal channels is a recommended step in the cleaning process by the item manufacturer's IFU.
Key Specifications of Product	<ul style="list-style-type: none"> ● Reusable ● Nylon bristles ● Stainless-steel twisted wire ● Variety of lengths and diameters

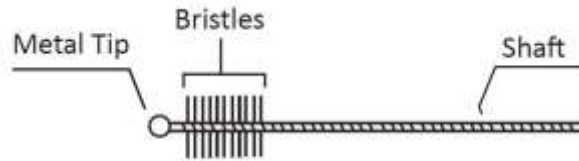
Shipping & Storage	
Shipping Conditions & Requirements	
Storage Conditions	
Packaging Contents	
Shelf Life	

Instructions for Using Product	
Description of Use(s)	
Preparation for Use	<ul style="list-style-type: none"> ● Cleaning any cannulated item requires the use of the proper size cleaning brush in accordance with manufacturers' IFUs. ● It is important to match the diameter size of the brush with the channel being cleaned. ● The Healthmark Brush Sizing Chart or similar type of tool may be used to select the proper diameter brush. ● It is also critical to select a brush that is longer than the channel to ensure that the entire channel receives cleaning action. ● Ensure the material composition of the brush bristles is suitable for the item to be cleaned. This should be in compliance with the manufacturer's IFU for the item. ● Brushes should be inspected prior to each use to be certain they are not worn, frayed or damaged. If discrepancies are noted, the brush should be discarded and not used. ● Brushes should also be inspected between uses for any residual organic soil that may cross-contaminate the next device cleaned. If there is visual soil, the brush should be cleaned in accordance with the method(s) described below.
Diagrams (drawings, pictures)	
Steps for Use of Product	<p>Consult the manufacturer's IFU for the item you are cleaning and follow the instructions closely.</p> <ul style="list-style-type: none"> ● Insert the cleaning brush into lumen using short strokes and a twisting motion (helical spinning of the brush) to help remove debris from the lumen. Feed the brush through the lumen until it emerges from the distal end of the lumen.

	<ul style="list-style-type: none"> It is important to make sure the brush is long enough to exit the lumen or channel completely when brushing so one can examine the bristles and clean them before being used again. While brushing, the brush should pass freely through the lumen. If significant resistance is encountered, stop advancing the brush and pull back – continuing to brush through the resistance might cause damage to the lumen. <p>See Brush Support White Paper click here:</p>
Interpretation of Results	
Contraindications of Test Results	
Documentation	
Special Warnings and Cautions	<ul style="list-style-type: none"> Tube style brushes are intended for use as cleaning tools only. They are not for use in patient care or aseptic techniques. Healthmark recommends that brushes are thoroughly cleaned during and between uses and disinfected at least daily, preferably between each use. See instructions for reprocessing below.
Disposal	Because tube brushes are used to clean patient-used items, it is recommended to dispose of them in the biohazard container with other contaminated items.

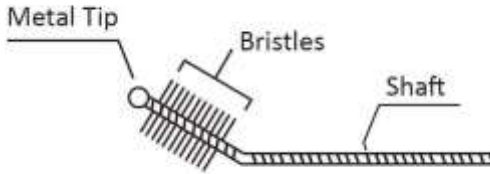
Reprocessing Instructions	
Point of Use	
Preparation for Decontamination	<ol style="list-style-type: none"> Rinse gross contaminants from the brush in a deep sink and with a spray apparatus. Use the facility’s cold-water supply for this rinsing.
Disassembly Instructions	
Cleaning – Manual	<ul style="list-style-type: none"> Brushes may be cleaned manually utilizing a high alkaline instrument detergent or an enzymatic detergent with the suitable enzymes for cleaning the types of soil the brush may come in contact with during use (i.e., protease, lipase, etc.). The IFU for the cleaning agent should be followed closely to ensure sufficient exposure time is allowed for the cleaning solution to work. It is recommended that agitation accompany the cleaning process to improve results. This is accomplished by swishing the brush and physically rubbing the bristle in the cleaning solution between gloved fingers.
Cleaning – Automated	<ul style="list-style-type: none"> Machine cleaning is recommended in a washer disinfector cleared by the FDA. Products should be positioned in the washer to allow maximum water penetration and drainage. No overlapping – partially covered items will not be washed properly Brushes should be secured in some way, such as the use of a wire or perforated tray that has a wire or perforated lid and bottom, to prevent brushes from blowing around in the wash chamber during cleaning. A container, such as the brush cleaning tube from Healthmark, is a suitable solution. Brushes can be cleaned with the facility’s approved cleaning solution used in the department’s washer disinfector. For the final rinse, critical water is recommended. The use the “instrument” cycle on the automated washer.
Disinfection	<ul style="list-style-type: none"> The thermal disinfection stage of an automated washer is sufficient for disinfection of the cleaning brushes. Brushes may be disinfected with liquid chemical disinfectants in accordance with the disinfection manufacturer’s IFUs. Be sure to check material compatibility information from the disinfectant manufacturer – should be compatible with nylon and stainless steel.
Drying	
Maintenance, Inspection and Testing	<ul style="list-style-type: none"> Inspect for wear, fraying, damaged bristles, and the twisted wire shaft. If observed, the brush should be discarded in compliance with the disposal instructions described above. Brushes should also be inspected between devices for any residual organic soil that might contaminate the next device cleaned. If there is visual soil, the brush should be cleaned in accordance with the method(s) described above. If bristles are missing in spots/locations from the original position, do not use. Another method of inspecting a brush is to compare the used brush to a non-used (new brush) and if they are different (bent shaft, missing bristles, etc.), do not use the brush and get a new brush to continue the cleaning process.

- Examples of normal brush and brush damage:



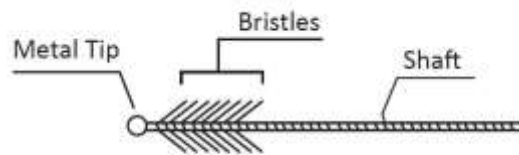
Normal Brush

Damaged brushes should not be used if your brush looks like the examples below, when compared to a new brush.



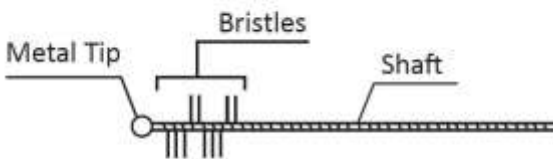
Damage to the shaft

If the shaft is bent in any way from the original position, do not use.



Fallen bristles

If bristles are fallen and not upright compared to the original position, do not use.



Loose or missing bristles

If bristles are missing in spots/location from the original position, do not use.

Reassembly Instructions

Packaging

Sterilization

- Recommended US cycles for steam sterilization: 132°C for 4 minutes, 135°C for 3 minutes.
- Maximum temperature and time: 135°C for 30 minutes.

Storage

Additional Information

Follow all manufacturers' directions for proper usage and disposal of all cleaning agents and chemical disinfectant agents.

Related Healthmark Products

Brush Cleaning Tools

Other Product Support Documents

ProSys™ Brochure, ProSys™ Price List

Reference Documents

Customer Service Contact

Healthmark Industries Company, Inc.
18600 Malyn Blvd.
Fraser, MI 48026
1-586-774-7600

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2021-01-01 Matt Smith