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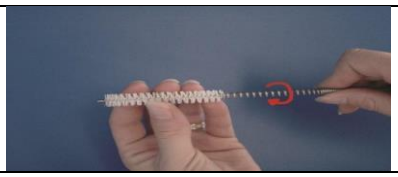
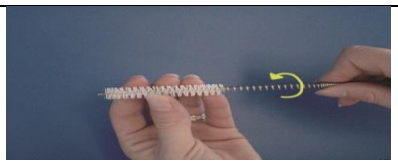
800-521-6224
www.hmark.com

Instructions for Use: LTA Internal Channel G-Flex Brushes

Brand Name of Product	LTA Internal Channel G-Flex Brushes
Generic Name of Product	Channel Brushes
Product Code Number(s)	6xx-25 SP, 6xx-50 SP, 610, 620, 635, 655, 680, 685, 690, 610-00, 620-00, 635-00, 655-00, 680-00, 685-00, 690-00
Intended Use	Intended for internal cleaning of laparoscopic or rigid endoscopy instruments with medium to large channels.
Range of Applications for Product	Medium to large channels.
Key Specifications of Product	• Bristle diameters correspond to standard inner channels • Available in a variety of sizes • Wands are reusable • Flexible wire made of Peek • Connection and spring 300 series stainless steel • Code laser engraved

Shipping & Storage	
Shipping Conditions & Requirements	
Storage Conditions	Store in a pouch that is the correct length.
Packaging Contents	
Shelf Life	The wand is recommended to be replaced yearly by the manufacturer.

Instructions for Using Product	
Description of Use(s)	Designed for internal cleaning.
Preparation for Use	• Cleaning any cannulated item, such as a suction tube, requires the use of the proper size cleaning brush in accordance with the cannulated item manufacturer's IFU. • It is important to match the diameter size of the brush you are using with the channel you are cleaning. • 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 the entire channel receives cleaning action. • It is also important to ensure the material composition of the brush bristles is suitable for the item to be cleaned. This should be in compliance with the cannulated item manufacturer's IFU. • 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 item cleaned. If there is visual soil, the brush should be cleaned in accordance with the method(s) described below.
Diagrams (drawings, pictures)	 Figure 1  Figure 2
Steps for Use of Product	• Consult the manufacturer's IFU for the item you are cleaning and follow those instructions closely. • Insert the cleaning brush by the brush end in the proximal aperture, pushing the shaft into the instrument channel using short strokes and a twisting motion (helical spinning of the brush) to help remove debris from the channel. Feed the brush through the channel until it reappears at the end. Pull the cleaning brush until the brush is completely withdrawn.

	● It is important to make sure the brush is long enough to exit the 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 channel. If significant resistance is encountered, stop advancing the brush and pull back - continuing to brush through the resistance might cause damage to the channel. See Brush Support White Paper click here: **Replacement of refills (2 months for 610 and 620 and 3 months for 630 to 690 under normal use):** ● **Unscrewing:** Keep the brush between the fingers of one hand, while rotating the rod anticlockwise on the other hand. (**Figure 1**) ● **Screwing**: Insert the brush into the spring by turning the rod in the direction of clockwise. Stop the screwing when the spring end is between 2 and 3 mm from the outer protection. (**Figure 2**)
Interpretation of Results	
Contraindications of Test Results	
Documentation	
Special Warnings and Cautions	● Tube style brushes are intended for use as cleaning tools only. They are not for use in patient care or aseptic techniques. ● When inserting in the channel, do not hold the brush at an angle that would cause it to bend. ● Not to be used for cleaning plastic and/or fragile materials such as silicone. ● Avoid brush compression during sterilization and storage. ● Always protect yourself from brush splatter and contamination. ● Clean between each use and disinfect at least daily, preferably between each use in order to limit the chance for cross-contamination. See instructions for reprocessing below.
Disposal	Because tube brushes are used to clean patient used cannulated items, it is recommended to dispose of them in the biohazard container with other contaminated devices.

Reprocessing Instructions	
Point of Use	
Preparation for Decontamination	1. Use external brush to sweep out debris that can be brushed out of the internal G-Flex brush. 2. Rinse gross contaminants from the brush in a deep sink and a spray apparatus, such as a shower gun. 3. Use the facility's cold water supply for this rinsing.
Disassembly Instructions	
Cleaning – Manual	● Brushes may be cleaned manually utilizing any instrument detergent that is appropriate for the types of soil the brush may come in contact with during the cleaning process (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.
Cleaning – Automated	● 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, to prevent brushes from blowing around the wash chamber during cleaning. A container, such as the brush cleaning tube from Healthmark, is a suitable solution. ● Products can be cleaned with alkaline, acidic and neutral detergents. ● For the final rinse, DI or RO water is recommended. ● Clean using the "instrument" cycle on the washer-disinfector
Disinfection	● The thermal disinfection stage of an automated washer is sufficient for disinfection of the cleaning brushes. ● Brushes may be disinfected with liquid chemical disinfectant in accordance with the disinfection manufacturers' IFUs. Be sure to check material compatibility information

	from the disinfectant manufacturer - should be compatible with nylon and with stainless steel.
Drying	
Maintenance, Inspection, and Testing	1. Inspect for frayed, worn down or damaged bristles. Also inspect for any damage or twisting in the wire shaft. If observed, the brush should be discarded in compliance with the disposal instructions described above. 2. 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. 3. Recommended maximum use life: o 2 months for 610 and 620 o 3 months for 630 to 690
Reassembly Instructions	
Packaging	
Sterilization	● Terminal sterilization of brushes is not normally necessary. However, these brushes are compatible with steam sterilization. ● For the brush part: maximum number of recommended sterilization cycles is 100 cycles. ● For the wand part: maximum number of recommended sterilization cycles is 600 cycles. ● If steam sterilizing, recommended cycles are: 132°C for 4 minutes or 135°C for 3 minutes. ● Maximum sterilization cycle time and temperature is 30 minutes at 135°C.
Storage	Avoid brush compression during sterilization and storage.
Additional Information	Follow all manufacturers' directions for proper usage and disposal of all cleaning agents and chemical disinfectants 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 healthmark@hmark.com hmark.com