

Storage and Shelf Life of Pre-Sterilized Products

50°C (122° F Max)

Cleaning and Sterilizing SS White Burs, Inc. Rotary Dental Instruments

The intention of these instructions is to provide guidelines for the sterilization of rotary dental instruments (burs, diamonds, files, etc.). Unless otherwise indicated, all instruments are supplied clean but not sterile. It is the user's responsibility to sterilize instruments before the first use and if applicable, before each additional use. Instruments indicated as non-sterile single use should be processed following these guidelines before the initial use only and then properly discarded.

Warnings:

Used rotary instruments, damaged sterile packaging and unintentional open packaging shall be considered contaminated. Follow appropriate pre-cautions by utilizing this recommended sterilization guideline. Also, personal protective equipment (PPE) including gloves, mask and eye protection should be worn. Further controls may be required if specific patient risk are present.

Cleaning:

Automatic Cleaning is the recommended method for pre-sterilization cleaning. Follow the machine manufacturer's recommended method while utilizing approved agents for the cleaning of rotary dental instruments. If there is an excessive delay between use and cleaning, manual cleaning may be required. In the case that automatic cleaning is not available, rotary dental instruments may be cleaned manually. Manually brush debris from instruments under running water with a wire brush and approved cleaning agent. PPE should be worn and care taken to avoid spreading contaminants during the brushing process. After cleaning, dry instruments with paper towel or dry heat not exceeding 140oC. Inspect and properly discard any instruments with signs of excessive wear, damage or corrosion.

Sterilization:

Saturated steam under pressure (autoclave) is the recommended method of sterilization for rotary dental instruments. The recommended cycle is 20 to 30 minutes at 121oC (250oF) at 15 to 30 psi. For faster processing a rapid cycle of 3 to 10 minutes at 135oC (275oF) at 25 to 30 psi is also acceptable. Operation of the autoclave should follow the manufacturer's recommended methods and materials.

Storage:

After sterilization, store instruments in a dry, clean, and ambient temperature environment.

Validation:

These processes have been validated on SS White Burs Inc. rotary dental instruments. Following these instructions along with the instructions of the equipment utilized remains the responsibility of the user. Proper steps should be taken to ensure all equipment is operating safely and properly in accordance with manufacturer's guidelines. Any deviation from these guidelines may require subsequent validation and monitoring for effectiveness and potential risks. Results are maintained by SS White Burs, Inc.

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