

Important Instructions for Use

Please remember that the SS White® SmartBurs®II Instrument is especially designed to remove only decayed material after you have created access using another instrument.

The patented SS White® SmartBurs®II Instrument is designed not to cut or remove enamel, composite, amalgam or healthy dentin. The instrument dulls when it comes in contact with these harder substances. As a result it is designed to conserve healthy tooth structure, and protect against unintentional pulp exposures.

Important Steps When Using SmartBurs®II Instruments

- 1) Create direct access to decay using appropriate carbide burs; then switch to a SS White® SmartBurs®II Instrument to excavate carious dentin. Depending on the Class of cavity presented, enamel access can be made using SS White® Fissurotomy® burs, air abrasion systems, or other carbide bur shapes appropriate to the location and shape of the carious lesion.
- 2) Use your SS White® SmartBurs®II Instrument with your existing slow-speed handpiece. Use your slow-speed handpiece at 5,000 to 10,000 RPM to remove decayed dentin. Note: Using the SmartBurs®II at the lower end of this range (5,000) will extend the service life of the instrument.
- 3) Begin decay removal with a circular, light brush stroke. Start in the center and top of the carious lesion, working your way to the periphery. Return to the center and proceed down into the decay after top layers are removed, taking care to reduce contact with the axial walls.
- 4) When the SS White® SmartBurs®II Instrument contacts healthy dentin, you will tactilely sense a vibration, as the instrument is unable to cut healthy tissue. Note: Prolonged contact with enamel or restorations will rapidly degrade the SS White® SmartBurs®II Instrument's working end.
- 5) After repeated contact with healthy tissue, the polymer edges of the SS White® SmartBurs®II Instrument will roll and become deformed. You will feel tactile smoothness when the instrument is spent.
- 6) Verify caries removal with an explorer and/or caries dye*. If needed, use a fresh SS White® SmartBurs®II Instrument to remove any remaining decay and verify caries removal again.
- 7) When decay is completely removed, fill the cavity with a restorative of your choice. Dispose of the used SS White® SmartBurs®II Instrument.

* Caries dyes may be useful in assessing dentin decay removal. In general, brightly red stained dentin is highly softened and highly infected, and indicated for removal. Lighter pink staining dentin may be affected or healthy tissue and should be inspected with an explorer to assess the need for removal.

ASSESSING CARIES REMOVAL

Natural dentin staining within a carious lesion (tan, brown, black) may be healthy or caries affected dentin that does not need to be removed. Using your explorer in dentin is a generally accepted method to verify caries removal.

When working in deep carious lesions it is often difficult to detect the amount of remaining healthy dentin adjacent to the pulp and the risk of pulp exposure becomes a concern. SS White® SmartBurs®II instruments can help you protect against unintentional pulp exposure.

REORDER INFORMATION

| Description | SIZE | ORDER NO. | UNIT OF SALE |
|-------------------------|-------------------------|-----------|--|
| SmartBurs®II | RA #4 | 52004 | Pkg. of 10 |
| SmartBurs®II | RA #6 | 52006 | Pkg. of 10 |
| SmartBurs®II | RA #8 | 52008 | Pkg. of 10 |
| SmartBurs®II Combo Pack | RA #4 RA #6 RA #8 | 52010 | Pkg. of 25 5 Each RA #4 10 Each RA #6 10 Each RA #8 |

WARNINGS:

SS White® SmartBurs®II Instruments may not be appropriate for all patients under all circumstances, so professional judgment and discretion should be exercised at all times. SS White® SmartBurs®II Instruments should be used only by licensed dental professionals with appropriate levels of clinical experience and training. Caution and care should be utilized at all times. Treatment options and techniques outlined in this insert are suggestions only and may not be appropriate for all patients. Some patients may experience discomfort if anesthesia is not administered prior to treatment or if excess levels of force are applied during treatment. Vibration and other side effects may be reported by some patients and treatment results may vary. Dentists must apply appropriate levels of force when using SS White® SmartBurs®II Instruments. Excessive force can cause premature wear and tear to the instruments. Use your professional judgment.

DISCLAIMER OF WARRANTIES:

SS White® SmartBurs®II Instruments are provided without warranties of any kind, as-is and with all faults. SS White® Burs, Inc., its agents, affiliates and representatives ("SS White"), hereby disclaim all warranties, express or implied, regarding SS White® SmartBurs®II Instruments, including, without limitation, warranties of merchantability, non-infringement and fitness for a particular purpose.

LIMITATION OF LIABILITY

SS White® disclaims all liability and damages of any kind resulting from intentional or negligent conduct or otherwise that arise out of the use or misuse of any SS White® instruments or these instructions.

1. U.S. Patent Nos. 6,106,291 and 6,347,941