

Dr. Turrini's Protocol for Prepping Veneers

This protocol was created to provide dental professionals with a streamlined protocol for effectively utilizing the Microcopy burs discussed in Dr. Turrini's "Modern Concepts in Indirect Anterior Adhesive Dentistry" webinar. This guide aims to enhance clinical efficiency, precision, and patient outcomes in dental procedures.

Introduction

Dr. Turrini is a world-renowned expert in aesthetic dentistry. He has chosen Microcopy's pre-sterilized burs as his burs of choice. Microcopy's NeoDiamond burs are precision tools designed to enhance the accuracy and efficiency of various dental procedures. Each bur type is tailored for specific applications, and understanding their unique functions is crucial for maximizing their benefits.

Overview of the Four Microcopy NeoDiamond Burs

1. NeoDiamond Bur 289-010M



- **Use:** Allows user to follow the inclination of the facial surface along with measuring and reviewing the final prep while maintaining the mesial distal contact and connecting prepped areas.
- **Application:** Creates grooves on mockups and tooth preps that allow the user to follow the inclination of the facial surface. This bur is also great at assisting in maintaining the mesial/distal contact and connecting the prepped area to the margin of the tooth. Can also be utilized to measure and review the final prep with a silicone model once all steps are completed. The prep should be ~50% complete after using this bur.

2. NeoDiamond Bur 165-010M



- **Use:** Allows user to connect grooves made with bur 289-010M, maintain correct inclination, measuring and reviewing the final prep.
- **Application:** Assist in connecting the grooves created with Bur 289-010M at the buccal margin and maintain the correct inclination of the tooth surface. This bur can also be utilized to measure and review the final prep with a silicone model. The prep should be ~80% complete at this stage.

3. NeoDiamond Bur 540-009F



- **Use:** Allows user to complete most finishing steps due to the fine tip.
- **Application:** Able to complete most finishing steps on Veneer and Crown Preps by allowing you to remove areas the user would like refined due to the fine tip on the bur. Works especially well with cleaning up the tooth margin after placing retraction cords.

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4. NeoDiamond Bur 250-011F

- **Use:** Allows user to properly finish the preparation in the longer axes, thanks to its low abrasivity.
- **Application:** By utilizing this bur on the tooth prep it helps to guarantee a smooth preparation. This works well on the longer axes of the prep that is being worked on due to the length of the bur.

Protocol for Utilization

Step 1: Preparation

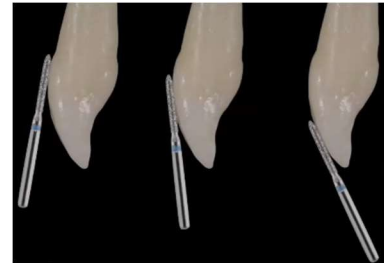
- **Selection:** Create and utilize the Veneer and Crown Prep Bur kit (Order code: MC VENEER KIT G&T) using the four Microcopy NeoDiamond burs (#289-010M, #165-010M, #540-011F and #250-011F).
- **Sterilization:** Use brand new burs to ensure a precise tooth preparation and to avoid any errors when sterilizing burs in the ultrasonic cleaner and autoclave.

Step 2: Procedure Implementation

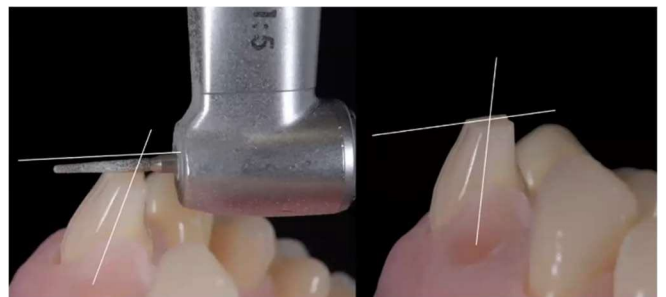
Bur 289-010M

- Use a high-speed handpiece.
- Apply light pressure, letting the bur's cutting action do the work.

- Create grooves on the prepped area while following the inclination of the tooth to avoid being trapped by a flat final design.



- Maintain and connect the prepped area with the mesial distal margin of the tooth while maintaining the correct inclination. Use the bur to prepare the incisal area and maintain the same rule of inclination of the tooth.
- Measure the incisal of the prepped tooth to ensure enough tooth structure has been removed.
- Should be ~50% complete with tooth prep at this stage.



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Bur 165-010M

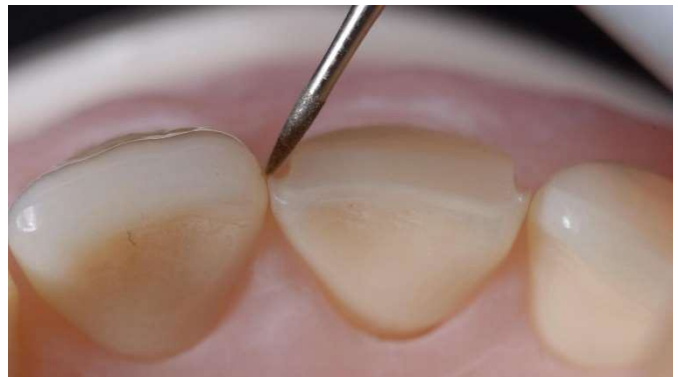
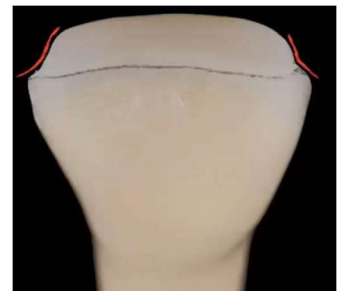
- Connect grooves created during Step 2 at the buccal margin of the prep while maintaining the correct inclination of the tooth.
- Should be ~80% complete with tooth prep at this stage.
- Using the same bur and keeping it aligned within the preparation, you can also gently open the contact areas without risking damage to adjacent teeth.



Bur 540-009F

- Start reducing areas around the prep that should be “sharpened”.
- Apply retraction cord to allow better access to clean tooth margin.
- Complete prep as normal from this step on.

Please note: Finishing and smoothing pointed areas is mandatory to obtain a good insertion path as well as an important reduction of ceramic fracture during try-in, cementation curing phases and after cementation.



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Bur 250-011F

- While utilizing this bur, the user can refine the previous preparations along the mesial and/or distal areas. This bur also allows you to increase the opening spaces if needed for an easier insertion path of veneers, all while keeping a conservative approach.



Conclusion: Incorporating Dr. Turrini's veneer preparation protocol using Microcopy's NeoDiamond burs empowers dental professionals to deliver consistent, high-quality results with greater efficiency and precision. By following each step and understanding the specific function of every bur, clinicians can optimize tooth preparation, preserve healthy structure, and enhance patient outcomes.

Final aspect of preparation with different angulation views.



3. Tips for Optimal Use

- Maintain Bur Sharpness: Microcopy advises to use a new NeoDiamond bur each time to ensure the highest efficiency and optimal clinical results.

** For further information or training, please refer to the detailed webinar available for free at <https://karma-dentistry.com/courses/modern-concepts-in-indirect-anterior-adhesive-dentistry/> or contact our support team. By adhering to this protocol, you will be equipped to use Microcopy burs effectively, thereby improving your dental practice's quality and efficiency. **