ADJUSTING BRUXZIR® RESTORATIONS

Crown World recommends using the BruxZir™ Adjustment & Polishing Kit for adjusting and polishing BruxZir® restorations. However, if you do not have this kit, follow these general guidelines when adjusting or seating BruxZir restorations.

General Adjustment Guidelines

Caution: Do not adjust crowns & bridges beyond the minimum thickness requirements that are necessary to maintain the full strength of the product.

Caution: Do not adjust bridge connector areas.

- For BruxZir Full-Strength, use a minimum thickness of 0.5 mm for anterior and posterior restorations.
- For BruxZir Esthetic, the minimum thickness required is 0.7 mm. Use fine-grit diamond burs with light pressure to avoid potential microfractures.
- If using the BruxZir Adjustment & Polishing Kit, please refer to its instruction for use (IFU).
- If you are using any other standard adjustment system or tools, please refer to their instructions.

General Polishing Guidelines

- If using the BruxZir Adjustment & Polishing Kit, please refer to its instruction (IFU).
- If you are using any other standard porcelain-polishing system, please refer to its instructions.

If you have questions,
please call our technical staff.

866-497-3699

CROWN WORLD DENTAL LAB

SEATING BRUXZIR® RESTORATIONS

General Seating Guidelines

BruxZir® restorations can be cemented with BruxZir™ Dual Cure Resin Cement, or any conventional luting cements, e.g., glass ionomer (GI), resin-modified glass ionomer (RMGI) such as RelyX™ Luting Plus (3M) and FujiCEM® 2 (GC America), or self-adhesive resin cements such as RelyX Unicem (3M) and Maxcem Elite™ (Kerr).

Retentive Tooth Preparation

(Minimum tooth prep height of 3 mm with minimal taper)

1. Try in BruxZir crown and make any necessary adjustments to proximal contacts and occlusion.
2. Clean internal surface of BruxZir restoration using one of the following methods:
   a. Sandblast with 50 micron aluminum oxide for BruxZir Full-Strength or 30 micron CoJet™ sand (3M) for BruxZir Esthetic at 2 bar/30 psi for 15 seconds. Rinse and dry.
   b. Apply zirconia cleaner, such as Ivoclean® (Ivoclar Vivadent) or ZirClean™ (Bisco), to internal surface for 20 seconds. Rinse and dry.
   c. Apply 1% sodium hypochlorite (NaClO) to internal surface for 20 seconds. Rinse and dry. ***Do NOT clean with phosphoric acid***

Mix and place BruxZir Dual Cure Resin Cement or luting cement of choice in crown, seat and proceed with cleanup based on manufacturer's instructions.

Non-retentive Tooth Preparation

(Minimum tooth prep height less than 3 mm with minimal taper)

3. Try BruxZir crown and make any necessary adjustments to proximal contacts and occlusion.
4. Clean internal surface of the BruxZir restoration using one of the following methods:
   a. Sandblast with 50 micron aluminum oxide for BruxZir Full-Strength or 30 micron CoJet sand (3M) for BruxZir Esthetic at 2 bar/30 psi for 15 seconds. Rinse and dry.
   b. Apply zirconia cleaner, such as Ivoclean (Ivoclar Vivadent) or ZirClean (Bisco), to internal surface for 20 seconds. Rinse and dry.
   c. Apply 1% sodium hypochlorite (NaClO) to internal surface for 20 seconds. Rinse and dry. ***Do NOT clean with phosphoric acid***
5. Place zirconia primer (such as Z-Prime™ Plus (Bisco) or Monobond Plus (Ivoclar Vivadent)) on internal surface of BruxZir restoration, and dry for 3-5 seconds with an air syringe. Allow to react for 60 seconds then dry with an air syringe.
6. Mix and place any recommended resin cement on the internal surface of the restoration, seat crown and proceed with cleanup based on manufacturer's instructions.

The BruxZir restoration seating instructions are recommended based on clinical experience.

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