

High Translucency Zirconia Crowns & Bridges Technical Tips



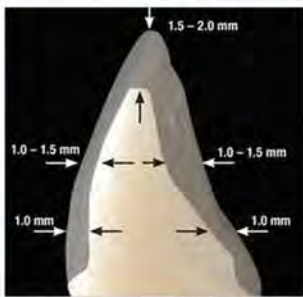
Preparation Information

Minimum wall thickness indicated below are recommended values. The decision on material indication in relation to proper tooth preparation is the responsibility of the dentist. HT-FCZ requires chamfer margin preps.

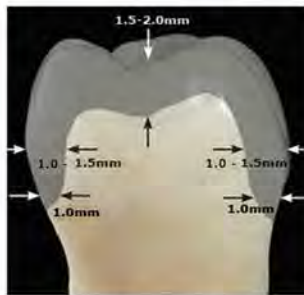
Indications

HT-FCZ Zirconia is recommended for inlays, onlays, full contour crowns and 3-unit bridges.

Recommended minimum wall thickness



Recommended Preparation For Anterior Teeth



Recommended Preparation For Posterior Teeth

Bridge connectors

Anterior bridge with 1 pontic = 7mm²

Anterior bridge with 2 pontics = 9mm²

Posterior bridge with 1 pontic = 9mm²

Shade Recommendation

Use Vita classic shade guide for accuracy and shade selection. Including a stump shade is necessary when using high translucency zirconia. If using the 3D Master shade guide, be aware the following shades are difficult to achieve. 3M1, 4M1, 5M1, 5M2 and 5M3.

Contraindications

HT-FCZ crowns and bridges are not recommended for bevel, feather edge or shoulder margins.

Finishing and Adjusting

low speed of approximately 8,000 rpm's

- ✓ Diamond burs
- ✓ Green-Stones,
- ✓ Diamond impregnated rubber wheels
- ✓ Dialite wheels
- ✓ Diamond impregnated smooth green stones
- ✓ ZR FG diamonds

Cutting OFF the crowns

Use a low-cost, fine-grit diamond instrument at high speed. Using a very light sawing motion and high water spray, make typical vertical slots in the crown's external surfaces extending vertically from the gingival margin of the preparation to the occlusal surface, and continue over the occlusal surface to the opposite gingival margin.

If high speed FG diamonds are necessary, then use proper water irrigation to prevent the framework from overheating resulting in damage to the framework.

Need more help?

Please call one of our friendly technical reps at

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