

## Formulations

### BruxZir<sup>®</sup> SOLID ZIRCONIA **Milling Blanks**

BruxZir Solid Zirconia Milling Blanks are used for the production of conventional and implant-retained crowns, bridges, and full-arch prostheses. Using the highest quality zirconia powder reprocessed to further reduce particle size, BruxZir Solid Zirconia Milling Blanks produce a final restoration that exhibits maximum strength, translucent pearlescence, and excellent shade-matching when combined with official BruxZir Coloring Liquids keyed to the 16 VITA Classical shades. Each BruxZir Milling Blank is shaped through a unique patent-pending process to one of several styles designed to fit many popular milling systems.

### BruxZir<sup>™</sup> SHADED

BruxZir Shaded Zirconia Milling Blanks are pre-shaded to provide homogenous color throughout the entire milling blank. Available in four base shade classifications designed to cover all 16 VITA Classical shades through simple staining and glazing techniques, BruxZir Shaded Zirconia transmits the warm colors of the mouth better than dipped zirconia restorations, delivering increased translucency, esthetics, and shade penetration to every crown or bridge restoration.

### BruxZir<sup>™</sup>16 SHADED

BruxZir Shaded 16 Milling Blanks are a series of 16 pre-shaded zirconia blanks that match all of the VITA Classical shades, with no color-dipping or staining required. This glaze-and-go system ensures complete and consistent shade penetration.

### NEW BruxZir<sup>®</sup> ANTERIOR — SOLID ZIRCONIA —

The newest evolution in the BruxZir zirconia product line, BruxZir Anterior Milling Blanks are uniquely formulated to satisfy the functional and esthetic requirements of anterior and premolar restorations. Available in white plus five base shade classifications designed to cover all 16 VITA Classical shades through simple staining and glazing techniques, BruxZir Anterior delivers color and translucency similar to natural dentition while still exhibiting an average flexural strength of 625-675 MPa.

BruxZir Type	Manufacturing Style	Flexural Strength	Shades Available	Processing	Recommended For
<b>BruxZir<sup>®</sup></b> SOLID ZIRCONIA	Colloidal	1150-1250 MPa Average	White	Coloring Liquid	Crowns, bridges, and full-contour zirconia crowns and bridges.
<b>BruxZir<sup>™</sup></b> SHADED	Colloidal	1100-1200 MPa Average	Base Shades	Stain and Glaze	Full-contour zirconia and zirconia-based substructures for crowns and bridges.
<b>BruxZir<sup>16</sup></b> SHADED	Pressed	1000-1100 MPa Average	16 VITA Shades	Mono-chromatic, Glaze and Go	Full-contour zirconia and zirconia-based substructures for crowns and bridges (restorations).
<b>BruxZir<sup>®</sup></b> ANTERIOR — SOLID ZIRCONIA —	Pressed	625-675 MPa Average	Base Shades + White	Stain and Glaze	Highly esthetic full-contour zirconia dental restorations.

## Block Styles

### Standard (OSZ)



#### Mill Compatibility:

- BruxZir Mill
- Haas Mill
- Intelitek Mill
- Prismatic CZ Mill
- Roeders RXDx Mill

#### Characteristics:

For use in Intelitek and Haas milling machines, Standard-style BruxZir Milling Blanks are 98.5 mm in diameter and manufactured with straight edges for all 12 mm and 15 mm sizes. For 20 mm blanks and above, the additional thickness beyond the 15 mm is machined at a 93.5 mm diameter with a 2.5 mm step around the blank's circumference.

### Zeno (Z)



#### Mill Compatibility:

- BruxZir Mill
- i-core Mill
- Origin Mill
- Roland Mill
- VHF CAM Mill
- Wieland Mill

#### Characteristics:

For use in Wieland/Zeno, i-core, and Origin milling machines, each Zeno-style BruxZir Milling Blank is machined at 98.5 mm in diameter for 10 mm of thickness. Thickness size beyond this 10 mm band encircling the blank is milled at a 94 mm diameter, creating a 2 mm step around the blank's circumference both above and below the band.

### Digital Dental (D)



#### Mill Compatibility:

- Digital Dental Mill

#### Characteristics:

For use in the Digital Dental Mill, Digital-Dental-style BruxZir Milling Blanks are machined at 99.5 mm in diameter of solid zirconia with a 6 mm keyed plastic ring around the circumference of the disc (total diameter 105.5 mm).

### Roeders (R)



#### Mill Compatibility:

- Roeders RXDx Mill

#### Characteristics:

For use in Roeders RXDx milling machines, Roeder-style BruxZir Milling Blanks are straight-edge discs manufactured with a 98.5 mm diameter.