

ZrO₂ | **ZR-Diamonds**™



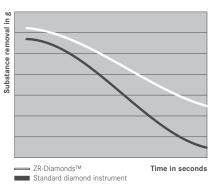
Specialized instruments for all-ceramic restorations.

Offering a combination of strength, durability, and outstanding esthetics, all-ceramics are a popular restorative choice for today's dentists who aim to provide healthy, attractive smiles to patients seeking cosmetically pleasing options for their restorative care. All-ceramics are, however, exceptionally difficult to manage and cut with conventional diamond instruments.

ZR-Diamonds™ were developed to meet these challenges, and they have been the premier choice for working with modern high-strength ceramics since their introduction into the dental marketplace. Unmatched in versatility and performance, ZR-Diamonds™ address these real, everyday challenges by providing superior results quickly and with minimal effort. Offered in a range of shapes and sizes, ZR-Diamonds™ provide an effective, efficient, and easy-to-use option for adjusting high-strength ceramic restorations.

Advantages:

- Permanently bonded, high-quality diamond particles
- Densely packed diamond layer
- Outstanding durability & extended service life
- Optimal material-reduction capacity
- Extensive range of shapes and sizes to meet all needs



Substance removal in relation to time

Application:

- Coarse grit Ideal for gross contouring
- Medium grit
 Minimally abrasive, especially suited for smaller adjustments
- Fine grit
 For creating optimal smooth surfaces

Application:

- 1. Slight adaptation of the ZrO₂ crown with the ZR862.FG.016.
- 2. Quick trepanation with the round special abrasive ZR6801.FG.010/014/023.
- 3a. For cutting adhesive bonded, all-ceramic crowns, we recommend Jackie™ (4ZRS). This instrument has to be applied at an angle of 45° to the crown.
- 3b. Particularly in the case of adhesively bonded all-ceramic restorations, the separation joint should also encompass the incisal edge or the axial wall, respectively the occlusal surface in the lateral tooth area.
- 3c. To remove the restoration, it has to be widened until it fractures. This can be performed with a lever or a Planert crown widening pliers (Aesculap USA).

To grind down residual fragments, we recommend our 4ZR.FG.012/014.

Recommendations for use:

- Optimal speed: Oopt. 160,000 rpm
- · Use the instruments in the red contra-angle, as the higher torque is advantageous for efficient work on ZrO₂ (compared to the torque of the conventional turbine).
- Use maximum spray coolant, especially during the trepanation procedure (min. 50 ml/min.).
- Apply low contact pressure (<2N).













OZR6801.FG.010

●○ **ZR6801**.FG.014

●○ **ZR6801**.FG.018

new OZR6801.FG.023

OZR6805.FG.018

●○ **ZR6807**.FG.016

●○ **ZR6856**.FG.025

●○ ZR6830L.FG.014

OZR6379.FG.014

OZR6379.FG.023

Fine Grit

●○ **ZR8881**.FGL.016

OZR8850.FG.016

Q ZR8863.FG.014

●○ **ZR8801L**.FGL.008

●○ **ZR8801L**.FGL.010

●○ **ZR8801L**.FGL.014

OZR8801L.FGL.018

OZR8379L.FGL.014

OZR8379L.FGL.023

Medium Grit

OZR850.FG.016

○○ ZR862.FG.016

○○ ZR863.FG.014

OZR379.FG.014

new O ZR379L.FGL.014

OZR6881.FG.012

●○ **ZR6881**.FG.016

OZR6390.FG.016

OZR6850.FG.016

> ZrO_a and lithium disilicate crown remover

> > O 4ZR.FG.012

O 4ZR.FG.014

new O 4ZRS.FG.016