

Jota

 **swiss dentistry**



JOTA Kit 1441

ZIR Gloss Chairside Kit

For perfect zirconium
oxide restorations - using
just one set!



The JOTA ZIR Gloss Chairside Kit

Perfect high-lustre for zirconium oxide restorations

Zirconium oxide is becoming rapidly popular due to its high strength, biocompatibility and aesthetic benefits, in particular with highly translucent variations. The use of monolithic zirconium oxide is also continually increasing, especially in molar applications.

The high strength of this material, however, also puts the rotary instruments to the test. Particularly zirconium oxide, which is inclined to form micro-cracks when prepared incorrectly, requires specifically tailored instruments.

Preparation must be completed without local heat builds and should produce highly aesthetic results with optimal cost-effectiveness. Another important issue is the abrasion of the antagonist because of a rough occlusal surface of the zirconium oxide restoration. A well polished surface shows a much smoother surface compared to a glazed one and has therefore clear advantages regarding the antagonist friendliness.

With the **JOTA ZIR Gloss Chairside Kit** for Preparation and Polishing we are providing a precisely coordinated system, which delivers rotary instruments for all working steps. The specifically developed two-stage diamond polisher range based on the new JOTA Swivel technology is completed by the proven JOTA diamond instruments with optimized diamond grits for efficient cutting performance and durability. The new JOTA Swivel ZIR Gloss polishers create a perfect high glossy surface and are ideal for polishing the occlusal areas. They show huge advantages compared to the classical flame shaped polishers regarding efficiency and durability.

- › Special diamond grit for high performance and durability
- › Easy adjustment of contact points
- › After an adjustment with only two steps to high gloss
- › A perfect smooth and antagonist-friendly occlusal surface enabled by the new JOTA Swivel polishers



Step by Step Guide

The instructions for a perfect result

Step 1



Trimming the connection points

- › The connection point of the support bar or sprue is trimmed by using the **Glaze Prep GP662**. No water cooling required! Otherwise the restoration has to be dried before sintering.



GP662.RA.035

25'000 min⁻¹

Step 2



Smoothing the surface

- › For surface smoothing and elimination of possible faults (e.g. errors caused by the trimming process) use the **Glaze Prep 662**. Thinning of margins after the sintering process and adjusting contact points are done with same instrument.



GP662.RA.035

25'000 min⁻¹

Step 3



Preparing the occlusal surfaces

- › If required, the occlusion and the occlusal contact points be adjusted by using the **Diamond Z833F**. The Diamond is also interdentally used with multi-unit restorations.



Z833F.FG.023

160'000 min⁻¹

Step 4



Adjustments for perfect fit

- › For adjustments after the sintering process like margin thinning or small corrections for a perfect fit the **Diamond Z850F** is used.



Z850F.FG.018

160'000 min⁻¹

Step 5



Pre-polishing the surface and occlusion

- › The new JOTA **Swivel Polisher ZIR9863M** is perfect for pre-polishing the surface especially the occlusion. After small adjustments the Swivel is ideal to recover the initial surface gloss and smoothness.



ZIR9863M.RA.140

10'000 - 12'000 min⁻¹

Step 6



High-lustre polish of the surface

- › The surface is finally precisely polished to a high-lustre using the **Swivel ZIR9863F**. High-lustre polishing supports the zirconium oxide with added stability and reduces the abrasion of the antagonist.



ZIR9863F.RA.140

10'000 - 12'000 min⁻¹

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