Instructions for Use Champions® Zircon ICA Caps

The item numbers can be found in the current catalog.

Please Note:

It is essential to read the Instructions for Use prior to the application of the Champions® zircon ICA Cap system.

In order to prevent accidental swallowing or aspirating, use the ICA Abutments and Caps only extra-orally in the laboratory.

Product Description:

The ICA Abutment (bonding base), made from titanium grade 5, and the corresponding customized zircon dioxide ICA Caps allow the laboratory to manufacture a cost-efficient, individual, and customized abutment rapidly.

The ICA Abutment (bonding base), which is hereinafter referred to as ICA Abutment, is equipped with grooves. In this way, the ICA Cap can be customized and adjusted on the model according to the tooth position.

The ICA Caps are available in different gingival heights and angle degrees. After checking the gingival margin, adjusting the ICA Cap length and making further individual adjustments with a hydraulic turbine, the ICA Cap can be bonded. Then, you can continue your preparation on the ICA Cap.

Indication / Purpose:

ICA Caps are ZrO_2 (zircon dioxide) Caps. The customized abutment consists of an ICA Cap and an ICA Abutment. The ICA Caps are used to support crowns or bridges and are bonded or cemented on the ICA Abutments.

Contraindications / Restrictions of Use:

None

Side Effects:

None

Complications:

None

Shelf Life:

It is not necessary to indicate the expiry date. ICA Caps are single-use products (non-sterile).

The reuse of single-use products can pose a risk of infection for the patients and dentists.

Storage

The product is to be stored in its original package in a dry place at room temperature. Unsafe storage can cause product failure and serious damage to the material.

Prosthodontics:

1. Screw the ICA Abutment on the Champions® (R)Evolution Laboratory Analog in the model.
2. Select the ICA Cap from the product range. Adjust it to the ICA Abutment. Check the height of the gingival margin. Polishing can be performed with a hydraulic turbine (e. g. Champions-Implants Hydraulic Turbine CHT-4).
3. Unscrew the ICA Abutment from the model and prepare it to glue the ICA Caps. Screw the ICA Abutment on a Champions® (R)Evolution Laboratory Analog.
4. Cover the gingival shoulder of the ICA Abutment with synthetic material or sticky wax (protection from sand blasting). Set the ICA Bonding Aid in the screw cavity of the ICA Abutment. During the bonding process, the ICA Bonding Aid protects the ICA Abutment screw from excess glue.
5. Gently blast inside the ICA Cap at about 1-1.5 bar with 50 µm aluminium oxide. Alternatively, you can also blast with CoJet (3M Espe) or with Rocatec Soft. Then, degrease inside the ICA Cap (e.g. Aceton).
6. Blast and degrease the ICA Abutment with aluminium oxide at 2.5 bar.

   Do not touch the parts with your fingers anymore.

7. Condition the ICA Abutment with a Metal Primer (e.g. Alloy Primer {Kuraray} / Metal Primer {GV}) or silanize using the Rocatec procedure. For Multilink Implant, a luting composite, the parts that are to be glued are conditioned with the "Monobond Plus" bonding agent, which is part of the system. **Do not touch the parts with your fingers anymore.**
8. Mix the glue according to instructions of the manufacturer (e.g. Panavia SA of Kuraray).

   Advice: *Preheat the glue. Scientific studies have shown that cements and composites that are preheated at 50°C reach a higher degree of polymerization than those that are used at room temperature. After using the glue, store it in the refrigerator.*

   Apply the glue mixture evenly on the ICA Abutment and inside the ICA Caps without causing air bubbles (probe, brush, small spatula).
9. Set the ICA Cap onto the ICA Abutment and fix it with pressure. After about 30 seconds (Panavia SA of Kuraray is cured in the anaerobic area), only expose external excess glue surfaces (e.g. Alpha device/Espe) until the glue is thickened and cured. Then, you can remove excess glue.

   Depending on the layer thickness, the final polymerization is performed in a corresponding polymerization device for 3-5 minutes.
10. After the glue has cured, remove excess glue with rotating instruments.

    The ready-made customized abutment (ICA Abutment with ICA Cap) remains screwed with the Laboratory Analog to protect the interface until the final finish.
11. If necessary, the ICA Cap can be customized. Then, the final prosthodontic restoration can be made using the CAD/CAM procedure.

Advice:

- The ICA Abutments and ICA Caps must be stored closed in a dry place. The blister package may only be opened directly before use.
- The manufacturer reserves the right to amend the product design, the components or the package, to revise the Instructions for Use as well as prices and delivery terms.

  Liability is limited to the replacement of the defective product.
- Further claims of any kind are excluded.
- Disposal: dispose of and decontaminate waste in conformity with the local, regional, or national regulations.

Manufacturer in the EU:

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Symbols:


Manufacturer


Use by


Keep dry


Consult instructions for use


Do not reuse

Batch code

Catalog number

Zircon dioxide

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