

Instruction manual



English

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Intended use:

TTITANIT 5 and COCRONIT SUPERIOR are used for the fabrication of dental restorations. TTITANIT 5 and COCRONIT SUPERIOR are available as precast bridge blanks (BRIDGE-RODS) or as discs. BRIDGE-RODS are used for the fabrication of at maximum 4-unit metal constructions from TTITANIT 5 (wet processing) and COCRONIT SUPERIOR (dry processing).

TTITANIT 5 and COCRONIT SUPERIOR are suitable for all milling units which are able to process titanium and CoCr and which have the proper clamping device for the corresponding block or bridge-rod.

TTITANIT 5 is a non-precious metal alloys of Type 4 according to ISO 22674.

COCRONIT SUPERIOR is a non-precious metal alloy of Type 5 according to ISO 22674.




General information:


The information provided in this instruction manual must be passed on to any person using the products mentioned therein. The products must only be used by qualified personnel. The user is obliged to use the products in accordance with the present instruction manual and with appropriate hygiene measures and to verify on his/her own responsibility whether the products are suitable for the individual patient situation. The user will be held fully responsible for the appropriate and correct use of the products. Zirkonzahn assumes no liability for incorrect results in form of direct or indirect damages or any other damages that occur from the use and/or the processing of the products. Any claim for damages (including punitive damages), is limited to the commercial value of the Zirkonzahn products. Independently of this, the user is obliged to report all serious incidents that occur in connection with the products to the competent authority and to Zirkonzahn.

Contraindications:

Should intolerance to the product be suspected, use it only after an allergy screening test has been performed with issue of medical statement of non-allergic conditions.

Work steps:

- 1) Fix the metal blank in the clamping device. Tighten the screws of the clamping claws to a tightening torque of 3.8 Nm and check for tightness. Fix the Bridge-Rod in the cone and tighten the union nut with the spanner.
- 2) Mill metal disc or Bridge-Rod (use metal-specific processing parameters). TTITANIT 5 is to be processed wet, COCRONIT SUPERIOR is to be processed dry.
- 3) After milling, check the structure visually for material fractures or cracks. Only flawless structures may be used for dental restorations. In case of unsatisfactory results, milling burs need to be checked and, if necessary, replaced, the machine needs to be cleaned and recalibrated.
- 4) Separate the structure from the block. Use cross-toothed hard-metal milling burs that are suitable for the respective metal.
- 5) Proceed with the manual processing. Process the material with cross-toothed hard-metal milling burs that are suitable for the respective metal. In order to prevent the formation of blisters during veneering with ceramics, move the tools only in one direction over the surface.
- 6) Free object from dust or other residues.
- 7) Restorations can be veneered with commercial metal ceramics.
 Attention: Observe CTE value and follow instructions of the respective ceramics producers!
- 8) Use commercially available dental cements for insertion.
 Attention: Follow the instructions of the respective cement producer.
Minimum metal thickness: 0.4 mm.
 Warning: Metal dust is harmful to your health. When grinding and blasting use suitable air extraction system/ventilation at the workplace. We recommend to wear respiratory protection and safety goggles.


 For processing of TTITANIT 5 and COCRONIT SUPERIOR only original consumables (milling burs, milling emulsions etc.) and/or spare parts manufactured and sold by Zirkonzahn may be used. Otherwise, all claims for guarantee and compensation will be forfeited.

Technical data:

	COCRONIT SUPERIOR and BRIDGE-ROD COCRONIT SUPERIOR	TTITANIT 5 and BRIDGE-ROD TTITANIT 5
CTE (10-6/K)	14.1	9.7
Tensile Strength	1372 MPa	860 MPa
E-Modulus	240 GPa	114 GPa

Storage and stability:

Store in a dry place at room temperature. Do not expose to heavy shocks or vibrations. Blocks must not come into contact with liquids. Protect them from dirt. Avoid any exposure to humidity. Avoid the formation and deposition of dust. Ensure adequate ventilation.

 US Federal law restricts these products to sale by or on the order of a licensed practitioner in the dental sector.

Information:

Manufacturer: Zirkonzahn srl – Via An der Ahr 7 – 39030 Gais – Italy – www.zirkonzahn.com
Emergency Phone: +39 0474 066 660 (Mon. – Fri. 8 am – 6 pm)

N.B.: All medical devices and all products with open packaging are non-returnable.

Zirkonzahn®

TITANIT 5, COCRONIT SUPERIOR

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Legend

Explanation of symbols used



Catalogue number



Consult instructions for use



Batch code



Date of production



Manufacturer

Rx only

To be sold by or on the order of a licensed dentist