

Impression Coping

Instructions for use



Description

Impression Coping are per-manufactured components which facilitate the transfer of an intra-oral location of an implant or abutment from the patient's jaw to the relative position in the dental laboratory, to support creation of an implant restoration in the dental laboratory.

Impression Coping are available for both pick up type and transfer type.

The apical part of the impression Coping is fixed to the implant or abutment connection with a screw. The coronal part of the impression coping is designed to retain the impression copings in the dental impression material.

Materials

Impression Coping with anodizing: titanium alloy 90%, 6% Al, 4% V according to ASTM F136.

Impression Coping: Stainless steel 316L according to ASTM A276.

Screws (for impression coping pick up and transfer): titanium alloy 90%, 6% Al, 4% V according to ASTM F136 and, Stainless steel 316L according to ASTM A276.

Intended Use

Intended for use to transfer the direction, position, or orientation of a dental implant to a working cast or model.

Indication for Use

Impression Coping Pick-up Type: Impression coping Pick up type are indicated to be connected directly to a dental implant or implant abutment to be used to transfer the location and orientation of the dental implant or the abutment from the patient's edentulous or partially edentulous jaw to a master cast in the dental laboratory, using an open tray impression technique.

Impression Coping Transfer Type: Impression coping Transfer type are indicated to be connected directly to a dental implant or implant abutment to be used to transfer the location and orientation of the dental implant or the abutment from the patient's edentulous or partially edentulous jaw to a master cast in the dental laboratory, using a closed impression technique.

Contraindications

Do not use in patients:

- Patients who are medically unfit for an oral surgical procedure.
- Patients who are allergic or hypersensitive to titanium alloy Ti-6Al-4V, stainless steel.
- Patients who have poor bone quality, drug or alcohol abuse, chronic high dose steroid therapy, anti-coagulant therapy, metabolic bone disease, radiotherapy treatment.

Cautions

Impression copings are intended to be used by dental health care professionals.

Impression copings are intended to be used in patients subject to dental implant treatment.

Non-observance of the product's indications for use and the surgical/handling procedure(s) may result in failure. Close cooperation between surgeon, restorative dentist and dental laboratory technician is essential for a successful implant treatment. It is strongly recommended that the impression copings are used only with compatible ARUM DENTISTRY instruments and components. Use of instruments and components that are not intended to be used in combination with the impression copings can lead to product failure, damage to tissue, or unsatisfactory esthetic results.

Sterilization

Impression Copings are delivered non-sterile. Prior to use, the impression copings must be cleaned and sterilized by the user.

※ How to sterilization

Method	Cycle	Temperature	Exposure Time	Drying Time
Steam	Gravity	121°C (250°F)	30 mins	30 mins

Standard for the autoclave: autoclave at 121°C, pressure of 1.5 for 30 minutes.

- 1) Supply power to the auto-clave.
- 2) Place the product in the autoclave.
- 3) Set the autoclave. (Temperature: 121°C, time: 30 minutes)
- 4) When finished, take out the product.



Use of non-sterile device may lead to infection of tissues or infectious diseases. Do not use device if the packaging has been damaged or previously opened.

Before surgery

All components, instruments and tooling used during the clinical or laboratory procedure must be maintained in good condition and care must be taken that instrumentation does not damage implants or other components.

During surgery

Because of the small sizes of the devices, care must be taken that they are not swallowed or aspirated by the patient. It is appropriate to use specific supporting tools to prevent aspiration of loose parts (e.g. a throat shield). Accurate impressions form the basis for the fabrication of well-fitting restorations. Insufficient accuracy during the impression procedure or instability of the impression copings within the impression can lead to poor-fitting restorations, loose screws, screw and/or implant fractures, and occlusal discrepancies.

※ Handling procedure

[Impression Coping Pick up]

- 1) Select the impression coping
- 2) Use an impression tray with openings cut into the tray at correct location.
- 3) Fill the impression tray with impression material and take the impression, make sure that the openings in the tray corresponds to the implant position.
- 4) Once the impression material has set use the appropriate driver and loosen the impression coping from the implant.

[Impression Coping Transfer]

- 1) Select the impression coping
- 2) Use an impression tray, there is no need to cut.
- 3) Fill the impression tray with impression material and take the impression, make sure that the openings in the tray corresponds to the implant position.
- 4) Once the impression material has set remove the impression from the patient's mouth.

Clinical benefits and side effects

Impression Coping is a component of treatment with a dental implant system. As a clinical benefit of treatment, patients can expect to have their missing teeth replaced and crowns restored.

Manufacturer Information



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Symbol Glossary

The following symbols may be present on the device labeling or in information accompanying the device. Refer to the device labeling or accompanying information for the applicable symbols.

	Catalog Number		Consult Instructions for Use
	Batch Code		Do Not re-use
	Date of Manufacture		Non-Sterile
	Legal Manufacturer		Use by prescription only