

## DIRECT ABUTMENT

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*"Prince Felipe Award  
For Technological  
Innovation"*



# DIRECT ABUTMENT

**BTI** presents the new Direct Abutment which provides simplification for the prosthetic phase and allows immediate loading in single unit restorations, avoiding the need for modifications in the lab.

The kit includes all of the necessary components to complete the manufacturing process for the final prosthesis.



## The kit includes:

- Abutment
- Impression coping
- Lab analog
- Healing cap
- Non rotational castable cap
- Gold screw

# COMPONENTS



## DIRECT ABUTMENT

One piece Ti abutment which screws directly to the implant using a gold screw at 35 Ncm. The 4.1 mm emergence profile is designed to adapt to Universal, Universal Plus and Wide implants. The abutment is available with a 3 and 4 mm prosthetic height and 1, 2, 3 and 4 mm gingival height, for better gingival adaptation.



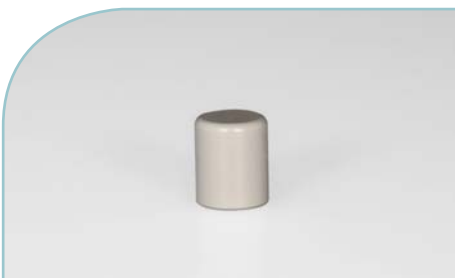
## IMPRESSION COPING

Allows rapid and simple impression taking directly from the abutment, thanks to the snap-on coping fitting to the abutment. It has a non-rotational flat side to ensure a precise transfer procedure.



## LABORATORY ANALOG

For the lab model, it is used to reproduce the position and the height of the abutment in the mouth. It is available in two prosthetic heights: 3 and 4 mm.



## HEALING CAP

Press-fit component to protect the abutment during tissue healing, while manufacturing the prosthesis in the laboratory.



## NON ROTATIONAL CASTABLE CAP

Plastic component used to manufacture the prosthesis following the conventional melting process. The flat side works as a non-rotational component for single unit prosthesis.

# INDICATIONS AND ADVANTAGES

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- ❑ Easy and rapid rehabilitation option.
- ❑ Single unit cemented prosthesis from molar to canine.
- ❑ Simplifies the manufacturing of provisionals in immediate loading cases for single unit prosthesis
- ❑ Occlusal height is adjusted by selecting the proper abutment height.
- ❑ No need for micromilling modifications in the lab.
- ❑ Allows direct impression taking from the abutment.
- ❑ Conventional techniques and processes in the laboratory.



# SEQUENCE OF USE

## DIRECT ABUTMENT



1. Place the implant in the mouth of the patient.



2. Connect the abutment directly to the implant.



3. Fix the abutment using a gold screw at 35 Ncm with the prosthetic multi-torque wrench.



4. Place the snap-on transfer on the abutment.



5. Take the impression with an individual closed tray.



6. Fill-in tray with the impression material. Picture at left depicts the use of polyether (Impregum) for the impression.



7. Impression taking of the abutment position using the snap-on transfer.



8. Transfer is removed together with impression material inside the tray.



9. Fix the abutment analog to the snap-on transfer, send to lab for preparation of the model, including the position, angulation and height of the abutment.



10. Place healing cap on the abutment, aligning the flat side in order to prevent rotations. It is also possible to use a provisional cement to increase the retention.



11. Model with the abutment analog placed.



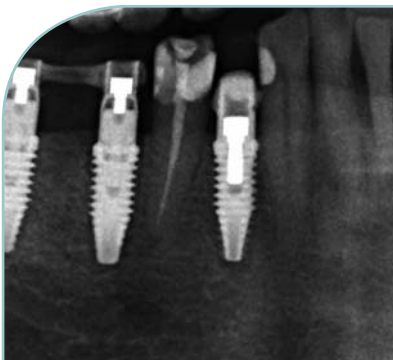
12. Place the castable cap on the analog to manufacture the prosthetic crown according to conventional lab procedures. Non rotational component for single unit prosthesis, black color.



13. Place the single unit crown in the mouth of the patient.

## CLINICAL CASE

Single unit restoration of a first premolar in the mandible.



OPT of the abutment placed in the mouth



4 mm abutment



Abutment with healing cap



Provisional prosthesis

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