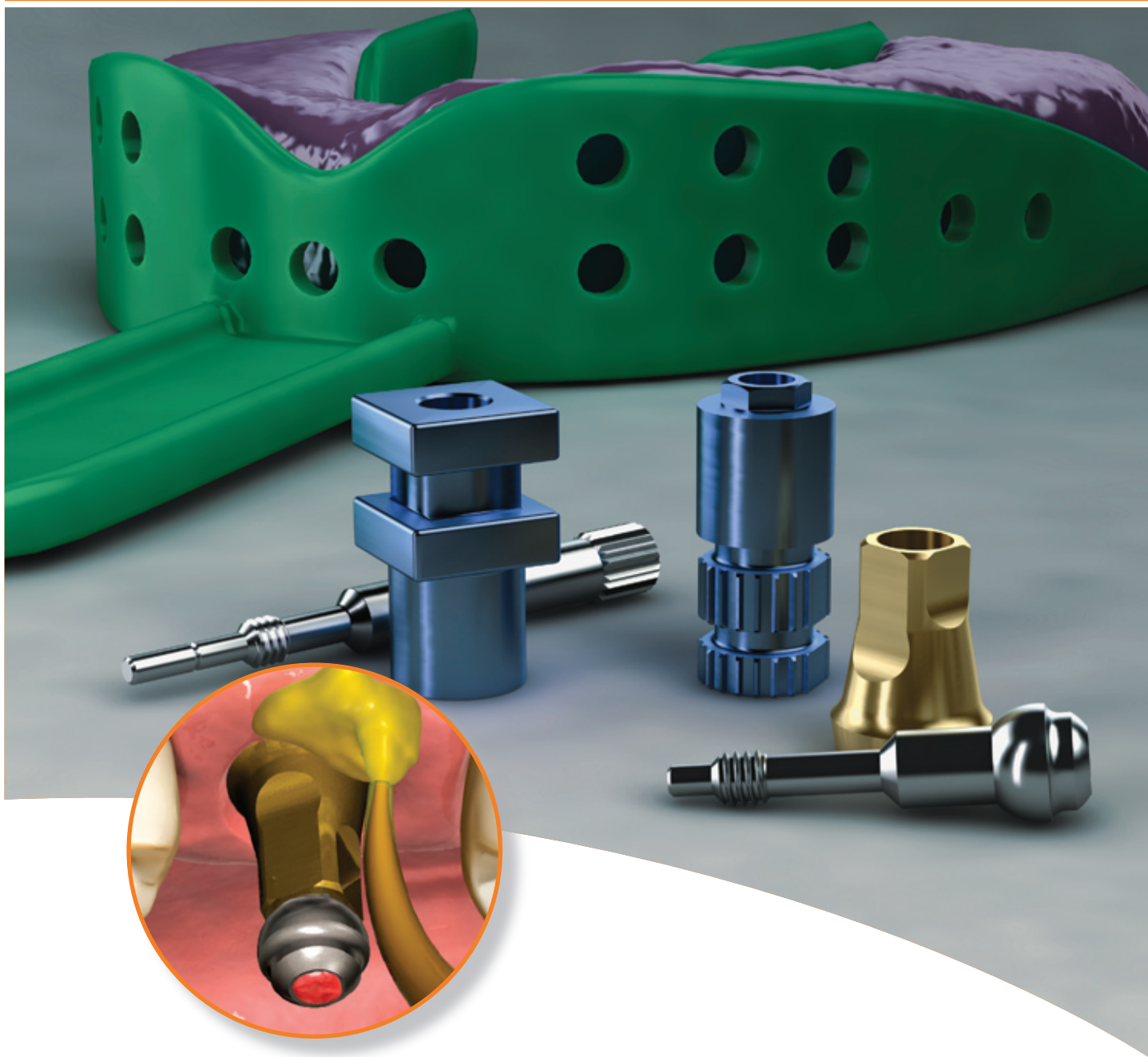
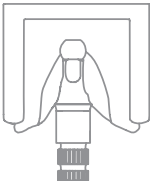


# BioHorizons External Impression Technique Guide



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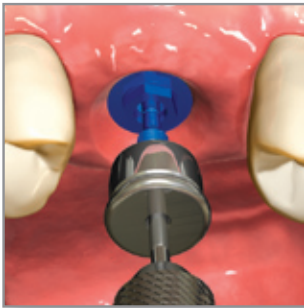




# INDIRECT TRANSFER WITH THE 3INONE ABUTMENT / BALL-TOP SCREW

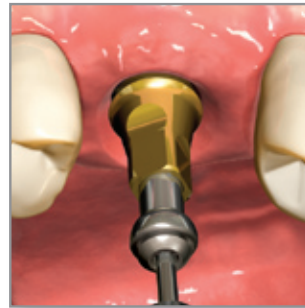
**Procedure Objective:** Make an impression for fabrication of a working cast utilizing a closed-tray, indirect transfer method when a flared emergence Healing Abutment was used. The procedure creates a cast that represents the exact position of the implant as well as the orientation of the external hex.

## 1. Remove Healing Abutment



Remove the flared emergence Healing Abutment with the .050" (1.25mm) Hex Driver. Confirm that the implant's prosthetic platform is free of bone debris or soft tissue.

## 2. Place Transfer Coping

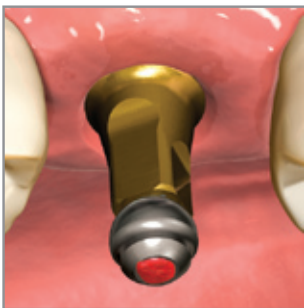


Seat the 3inOne Abutment and secure it with a Ball-top Screw (hand-tighten).

If practical, orient the long flat side of the abutment to the facial for easier indexing.

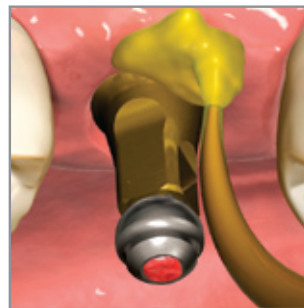
Radiographically verify correct seating of the abutment.

## 3. Block out hex hole



Block out the hex-hole on top of the Ball-top Screw with a material of choice.

## 4. Make full-arch impression



Syringe a light-body elastomeric impression material around the coping assembly. Record the full arch impression using the closed tray loaded with heavier body impression material.

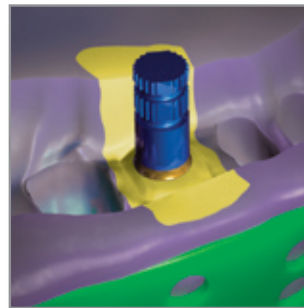
Remove the coping assembly after the tray has been removed. Replace the Healing Abutment immediately to prevent soft tissue collapse.

## 5. Assemble coping and analog



Use the Ball-top Screw to assemble the 3inOne Abutment with the corresponding Implant Analog.

## 6. Index coping into impression



Insert the coping assembly into the corresponding location in the impression, ensuring that the long flat of the abutment aligns with the corresponding indice within the impression.

Send the impression, coping/analog assembly, abutment screw, bite registration and opposing model to the lab.

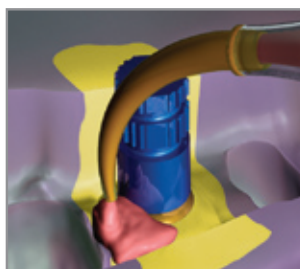
## Lab Steps



### Send to Lab

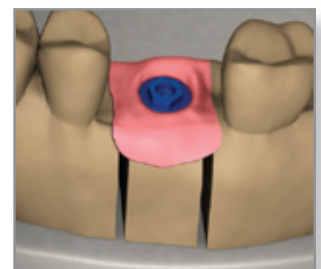
- Impression
- 3inOne/Ball-top Screw combo
- Abutment Screw (comes with 3inOne)
- Implant Analog
- Bite Registration
- Opposing model or impression
- Shade selection

## 7. Create soft tissue model

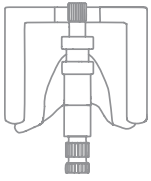


A soft tissue replica material is recommended around the analog. Verify analog seating and apply lubricant where soft tissue replica material is to be applied.

## 8. Fabricate working cast



Fabricate a working cast. Articulate according to standard laboratory procedures.



## DIRECT PICK-UP

**Procedure Objective:** Make an impression for fabrication of a working cast utilizing an open-tray, direct pick-up method. The procedure creates a cast that represents the exact position of the implant. Hex orientation may be registered (single-unit) or bypassed (multiple-units) depending on the coping selected.

### 1. Remove Healing Abutment



Remove the Healing Abutment with the .050" (1.25mm) Hex Driver. Confirm that the implant prosthetic platform is free of bone debris or soft tissue.

### 2. Place Pick-up Coping

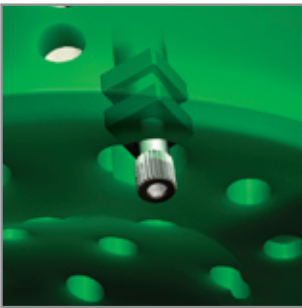


Place the appropriate diameter Direct Pick-up Coping (either hexed or non-hexed) on the implant body and retain with the corresponding coping screw (hand-tighten).

These screws feature a knurled top to aid in manual insertion, as well as a .050" (1.25mm) hex access hole for insertion with the Hex Driver.

Radiographically verify correct seating of the coping.

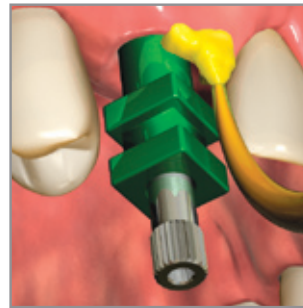
### 3. Verify screw/tray clearance



A stock impression tray may be modified for this procedure, or a custom tray may be fabricated using a tray material of choice. A window is cut out of the tray to allow clearance for the coping screw.

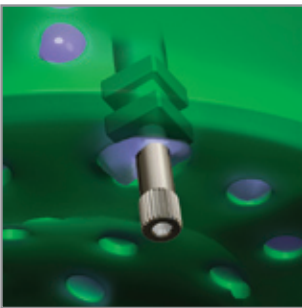
Try in the impression tray to verify that the coping screw protrudes through it without interference.

### 4. Make full-arch impression



Syringe a light-body elastomeric impression material around the coping assembly. Record the full arch impression with the tray loaded with heavier body impression material.

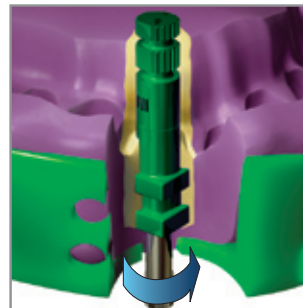
### 5. Remove impression tray from mouth



After the impression material has set, first remove the coping screw, and then remove the tray from the mouth. Verify that the impression material is completely adapted around the pick-up copings.

Replace the Healing Abutment immediately to prevent soft tissue collapse.

### 6. Attach analog to Pick-up Coping



Assemble the appropriate diameter Implant Analog to the Direct Pick-up Coping with the coping screw.

Send the impression/coping assembly, bite registration and opposing model to the lab.

## Lab Steps



### Send to Lab

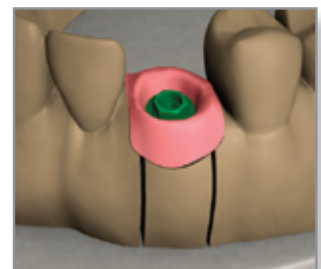
- Impression with coping inside
- Coping Screw
- Implant Analog
- Abutment and Screw (if selected)
- Bite Registration
- Opposing model or impression
- Shade selection

### 7. Create soft tissue model



A soft tissue replica material is recommended around the analog. Verify analog seating and apply lubricant where soft tissue replica material is to be applied.

### 8. Fabricate working cast



Fabricate a working cast. Articulate according to standard laboratory procedures.

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