



## Open tray impression taking

The open tray, also known as the direct pick-up method, is used to make a single or multiple-unit, implant-level impression for fabrication of a working model. In this method, the impression post is attached to the dental implant, and it is important that the coping screw be longer than the impression post when making the impression.



### Note:

The coping screw is equipped with a predetermined breaking point. If space limitations are encountered, it can be shortened by 3.0 mm by breaking it off with the hex driver. Ensure to shorten the coping screw extra-orally only.



### component options

- Conical impression post, open tray (including coping screw)
- Conical lab analog
- .050" (1.25mm) hex driver

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### Remove the healing abutment

Remove the healing abutment using an .050" (1.25mm) hex driver. Confirm that the implant's prosthetic platform is free of any bone debris or soft tissue.



### Helpful Hint:

When placing impression posts on multiple implants, remove one healing abutment at a time, replacing it immediately with the impression post. This reduces the likelihood of soft tissue collapse onto the implant. It is recommended to work from posterior to anterior.





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### 2 Place the conical impression post

Place the conical impression post on the implant and gently tighten the coping screw to retain the impression post. The conical impression post is rotation-symmetrical and does not require any specific orientation. Carefully rotate the conical impression post in the implant until the cams engage with the grooves of the implant. Hand tighten to secure the coping.

Take a radiograph along the long axis of the implant to ensure that the impression post is seated completely on the shoulder of the implant (flat-to-flat seat).



**Note:**

The X-ray tube must be positioned perpendicular to the implant prosthetic platform.



### 3 Make a full-arch impression

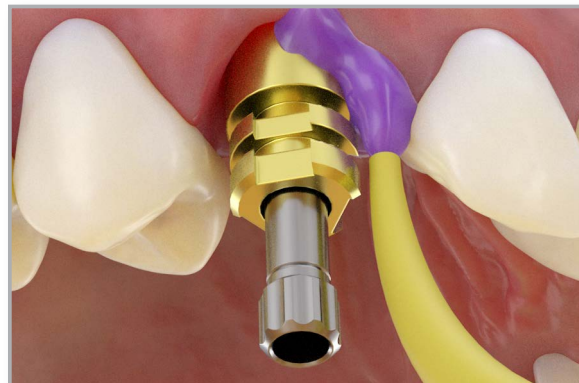
Try the custom impression tray or modified stock tray to verify that the coping screw protruding from the perforations are not interfering with the tray.

Syringe a medium or heavy body elastomeric impression material around the coping body, leaving the screw exposed. Load the tray with impression material and make the impression.



**Important:**

Before the material sets, use your finger to wipe the impression material from the top of the screw so it is exposed for access.



### 4 Remove the coping screw and impression

After the impression material has set, loosen the coping screws by hand or by using the 0.50 hex driver, pull the coping screw back and then lift off the tray from the mouth. Verify the impression material is completely adapted around the pick-up copings.

Place the healing abutment immediately to prevent soft tissue collapse.





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### send to lab

- Impression with the embedded conical impression posts and the coping screws
- Bite registration
- Prescription with lab instructions

#### 5 Lab step - Assemble the analog

Attach the appropriate conical lab analog to the conical impression post and secure retention by hand-tightening the coping screw using the .050 hex driver.



#### 6 Lab step - Make a soft tissue model

Verify the coping and analog assembly are properly connected. Apply lubricant where the soft tissue replica material is to be applied. Syringe a soft tissue replica material around the analog.



#### 7 Lab step - Fabricate the stone model

Fabricate a working model in minimal expansion, high hardness die stone. Articulate according to normal laboratory procedures.

