



open tray technique using the direct pick-up coping

Use this technique to make a single or multiple-unit, implant-level impression for fabrication of a working model utilizing an open tray, direct pick-up method* when a narrow, regular, or wide emergence healing abutment was used. Choose the emergence that matches the emergence of the healing abutment that was used. The procedure creates a model that represents the exact position of the implant and the soft tissue profile.

* The direct pick-up impression may be made using a modified stock impression tray or a custom impression tray. Modify a stock impression tray by making holes in the occlusal surface of the tray in the same positions as the implants. See the [custom impression tray fabrication](#) module.



component options

- direct pick-up coping
- direct pick-up coping screw, long
- implant analog
- .050" (1.25mm) hex driver

1 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.



Note:

The emergence of a hexed impression coping should match the emergence of the healing abutment and the intended final abutment (narrow, regular or wide). If a custom cast abutment is planned, the emergence will be determined by the lab prescription.



Important:

Non-hexed direct pick-up copings may only be used for multiple-unit screw-retained restorations, i.e. bar overdentures, hybrids, and multiple-unit screw-retained bridge restorations.



Helpful Hint:

When placing impression copings on multiple implants, remove one healing abutment at a time, replacing it immediately with the impression coping. This reduces the likelihood of soft tissue collapsing onto the implant. Work from the posterior to the anterior.



Important:

When a Laser-Lok healing abutment is temporarily removed for impression making or other restorative procedures, keep the removed Laser-Lok healing abutment in sterile saline until reinserting into the site.





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2 Place the impression coping

Place the appropriate diameter direct pick-up coping (hexed or non-hexed) on the implant body and retain using the corresponding direct pick-up coping screw. Hand tighten. These screws feature a knurled top to aid in manual insertion, as well as an .050" (1.25mm) hex access hole for insertion using the hex driver.

Take a radiograph along the long axis of the implant to ensure that the impression coping is seated completely into the hex of the implant.



Note:

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



3 Make a full-arch impression

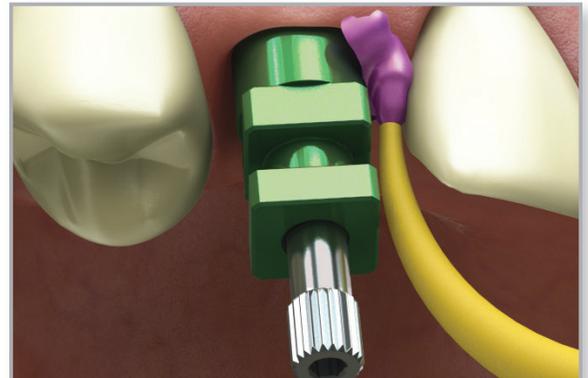
Try in the custom impression tray or modified stock tray to verify that the coping screw protrudes through the tray without interference.

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.



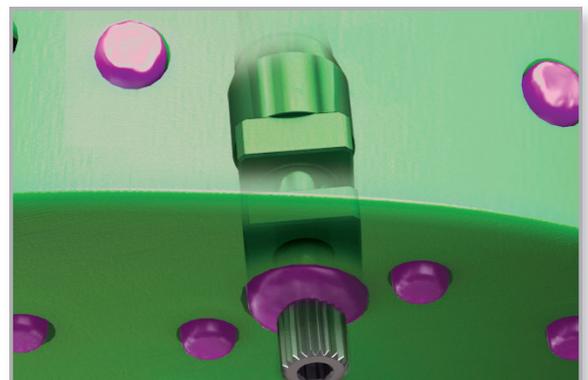
Important:

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, remove the coping screws by hand or using an .050" (1.25mm) hex driver, and remove the tray from the mouth. Verify the impression material is completely adapted around the pick-up copings. Replace the healing abutment immediately to prevent soft tissue collapse over the implant.





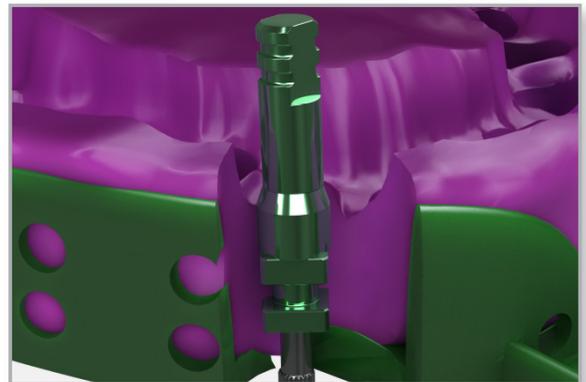
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send to lab

- impression with direct pick-up coping embedded in impression
- coping screw
- bite registration
- opposing model or impression
- implant analog
- prescription with lab instructions

5 Lab step - Assemble the analog

Attach the appropriate diameter implant analog to the direct pick-up coping in the impression and insert the long coping screw through the access hole in the impression tray. Hand tighten.



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.

