

Pick-up Impression Procedure (Open-Tray)

Technical bulletin from National Dentex
For more information, please call 800.678.4140

- If necessary, first verify the diameter of the prosthetic top of the implant and the flair of the healing abutment.
 - Remove the healing abutment with the proper sized driver and immediately place the pick-up impression coping.
 - Partially hand-screw the guide pin into the implant. Rotate the impression coping until you feel the hex engage, and then tighten the guide pin by hand until snug. Do not over tighten the guide pin.
- Mark the top of the guide pin with Pressure Indicating Paste (PIP). Rotate the impression tray (stock or custom) into place, and then touch the guide pin.
- Take a radiograph of the implant/impression coping junction. (The film should be positioned parallel to the long axis of the implant with the patient holding the film with hemostat.)
- From a developed radiograph, verify the seating of the impression coping, and then tighten the guide pin with the proper sized driver.
- While an assistant develops the radiograph:
 - Place holes in the impression tray with an acrylic bur. (Hole should be 5mm in diameter and in the direction of the path of insertion of the impression.)
 - Test the tray in the patient's mouth to verify position. (The screw should protrude through the tray.)
- An assistant should then paint the tray with adhesive, place wax over the hole, and allow it to dry.
- Syringe medium- or heavy-body impression material around the impression coping, and then fill the tray with the same material. **(Recommend vinyl polysiloxane or polyether impression materials)**
 - Seat the impression tray and allow the guide pin to protrude through wax on the tray. Once the impression tray is in place, have the assistant remove any wax over the guide pin and wipe it with a cotton swab.
- When impression material is set, loosen the guide pin with the proper sized driver.
 - Remove the impression tray . Now, the impression post(s) is picked-up in the tray.
 - Inspect the impression and place the healing abutment back on top the appropriate implant.
 - (If the impression is adequate then retrieve the impression coping from the impression tray and repeat.)
- Send the impression with guide pin and the radiograph to your local lab.

