

Closed Tray Direct Snap-On Impression Technique

The snap-on procedure is best described as a hybrid between the two techniques shown previously. In this closed tray procedure, the direct transfer coping “snaps-on” to the top of the implant abutment in the mouth. Once the impression has set, the coping becomes embedded in the impression and is pulled off of the implant abutment when the set impression is removed from the mouth. Once outside of the mouth, the implant analog is connected to the transfer coping prior to pouring the stone model.

Recommended material:
Imprint™ 3 VPS Impression
Material

Or

Impregum™ Penta™ Soft
Polyether Impression Material

Implant Impression Tips

Common causes for retakes:

Distorted impression: To prevent, stabilize the tray while material is setting

Voids and bubbles: Use enough material and keep tip submerged in extruded material

(Snap-on technique) Coping-tray contact: Try-in the tray prior to making impressions and ensure proper size



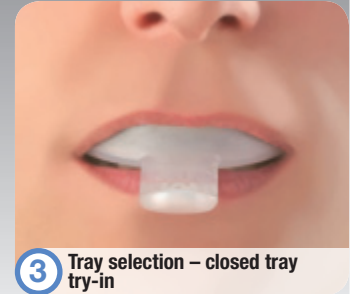
1 Removal of healing abutment

- Remove healing abutment
- Confirm prosthetic platform is free of bone debris or soft tissue



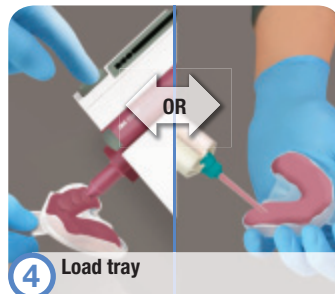
2 Placement of transfer coping

- Seat the abutment and secure it – using the method recommended by the implant manufacturer
- Attach the snap-on transfer coping assembly (see completed assembly in step 5)



3 Tray selection – closed tray try-in

- Try-in the tray
- Ensure there is appropriate clearance for entire arch
- Evaluate tray-coping fit, ensuring there is no impingement/interference



4 Load tray

- Load the tray material after using proper bleeding technique
- Keep the mix tip submerged in the tray material to prevent voids
- Do not under-fill the tray



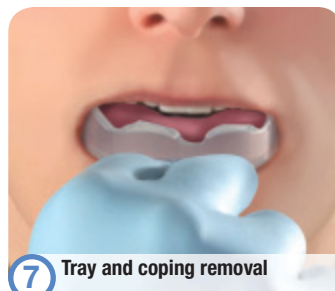
5 Syringe around coping

- While loading tray, syringe the wash material around the coping, and ensure continuous flow around the entire coping
- Keep the mix tip submerged in the wash material at all times to avoid trapping air bubbles



6 Tray seating and immobilization

- Insert the loaded tray straight and evenly into mouth – avoid rotation
- Don't let patient bite down on tray
- Immobilize the tray using passive pressure
- Follow the recommended setting time in the mouth – using a timer



7 Tray and coping removal

- Once impression material has set, remove tray from mouth carefully, with snap-on coping embedded in the set impression
- Depending on the implant system used, either
 - A) Replace healing abutment immediately to prevent soft tissue collapse, OR
 - B) Create the appropriate temporary restoration to protect the abutment
- Assemble coping with implant analog



8 Evaluate final impression with coping inserted (indexed)

- Rinse impression before inspection
- Evaluate the impression for correct transfer and common impression errors (see side bar on this page)
- Dry and disinfect impression before shipping



9 Bite registration

- Apply a layer of 3M™ ESPE™ Imprint™ Bite Material with a thickness of approximately 5mm occlusal-incisally to the entire lower arch
- Have patient bite into proper occlusion
- Disinfect prior to shipping
- Make an impression of the opposing arch and submit it with case