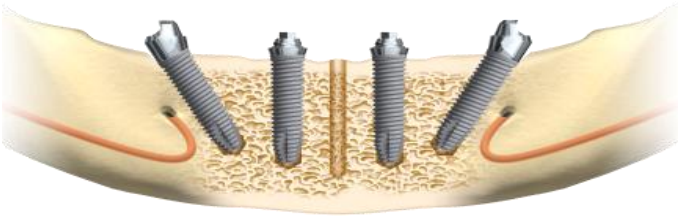
Perfection is not optional!

ABSOLUTE DENTAL LAB

Fixed Hybrid Implant Dentures

All-On-4

Techniques and Protocols



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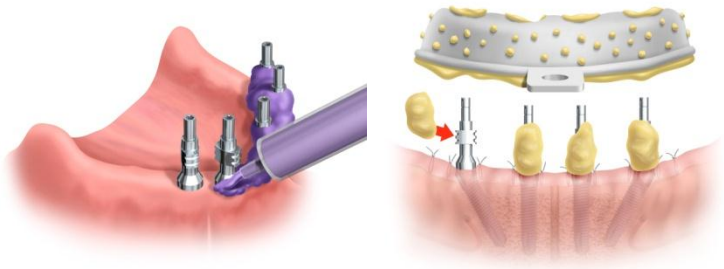
Open Tray Technique – Multi-Unit Abutments

1. Unscrew white healing caps or the current temporary prosthesis using the Unigrip screwdriver and torque wrench if needed.

2. Place the open tray impression copings onto the multi unit abutments using the Unigrip screwdriver.

3. Using a custom tray (optional) or perforated plastic full arch tray, remove the top of the tray to allow the guide screw of the impressing copings to protrude without any interference.

4. Inject a medium body or highly viscous heavy body impression material around the entire body of the impression coping. After loading the tray completely with impression material, seat the tray over the impression copings. Make sure that the guide screws of the copings extend fully through the previously made opening(s).



__It is very important to wipe away any excess impression material from the top of each guide screw during its initial set so they can be visible and easily accessed for impression removal.__

5. Completely unscrew each guide screw and remove from the impression coping. At this time, the impression copings are no longer engaged to the abutments and the tray may be removed from the mouth.

6. Send to Absolute Dental Services for processing.

If you have any questions on this or any other Implant procedure, please contact Conrad or the team at Absolute Dental for step-by-step assistance. We also offer in-office "Lunch and Learn" meetings and will gladly schedule one for you and your team!

Which Components Do You Need?

Nobel Biocare reference numbers:
Multi-Unit impression copings (open tray) – #29089

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Fixed Hybrid Implant Denture Case Flow

Appt. #1: **Full arch impression with open tray impression copings**

- The Lab will then fabricate a soft tissue model with a traditional occlusal wax bite rim.
- Optional: Request an impression verification matrix to check impression accuracy.

Appt. #2: **Traditional Bite Registration using wax rim. Check impression accuracy using acrylic verification matrix.**

- The Lab will mount casts and set selected teeth for traditional tooth try-in.

Appt. #3: **Try-in of tooth set up for esthetics and bite verification**.

- The Lab will fabricate a Titanium Procera Implant Bar designed into the parameters set by the approved denture.

Appt. #4: **Framework try-in of Procera titanium bar.**

- Optional: Clinician can request transfer of teeth onto Titanium bar for final tooth and framework try-in at same appointment.

Appt. #5: **Definitive bar and tooth try-in, (if tooth try-in was not requested at Appt. #4)**

- Lab will final process case for delivery

Appt. #6: **Final Delivery – Final prosthesis is delivered and screws are torqued to 15 Ncm using a Nobel Biocare torque wrench.**

Delivery

1. Remove current temporary denture or white healing caps
2. Place final prosthesis and torque screws to only **15 Ncm**

Treatment planning

General considerations

- Ability to achieve primary implant stability (35-45 Ncm insertion torque) and no severe parafunctions.
- To diminish the cantilever, tilt the posterior implants to a maximum of 45°.
- For tilted posterior implants, plan the distal screw access holes to be located at the occlusal face of the 1st molar, 2nd pre-molar, or 1st pre-molar.
- The All-on-4™ treatment does not require a wider opening of the mouth than a normal straight position of the implants due to the angulation of the posterior implants.

Indicated for:

- Totally edentulous maxilla: min. bone 5mm width and 10mm height from canine to canine.
- Totally edentulous mandible: min. bone 5mm width and 8mm height between the mental foramina.