



Surgical Placement of the SIMPLI Two Piece Implant

Needed: SIMPLI Implants; SIMPLI Instrument Kit;
Surgical Delivery System;
32:1 Reduction Handpiece

Expose the alveolar bone using whatever technique you feel comfortable with (periosteal flap. extraction, slit, cookie cutter, etc.). These techniques will be described later under soft tissue penetration.

* All Twist Drills are marked with concentric rings to correspond to the length of the 8, 10, 13 and 15mm implants.

Preparing the Osteotomy Site

1. Using the 1.5 mm Twist Drill, penetrate the dense cortical bone on the crest of the ridge to a depth of 8-10 mm.
2. Insert the narrow end of the paralleling pin into the pilot hole and check for proper angulation both bucco-lingually and mesiodistally.
3. Using the first paralleling pin as a guide for parallelism and angulation, drill the remainder of the pilot holes, leaving a paralleling pin in each hole as it is finished.
4. Check all the paralleling pins for proper angulation prior to proceeding to the intermediate drill step.
5. Using the 2.5 mm Twist Drill, enlarge the previous drill hole to a depth equivalent to the length of the proposed implant plus 1.0 mm using copious amounts of external irrigation.
6. Insert the 2.0 mm Depth Gauge into the osteotomy site to check for depth and angulation of the hole.
7. You are now ready to place the 3.0 mm SIMPLI implant.
8. Attach the 32:1 reduction hand-piece to the Physiodispenser and set the hand piece speed to 30 – 40 RPM.
9. Insert the SIMPLI slotted driver for contra-angle driver into the 32:1 reduction hand piece.
10. Have the circulating nurse remove the outer packaging from the inner vial and pour out the sterile inner vial onto the sterile tray.
11. REMOVE THE LABEL FROM THE OUTER PACKAGING AND STICK IN PATIENTS CHART.
12. Carefully loosen the plastic cap from the sterile inner vial. The healing collar will be attached to the cap.
13. Without touching the implant with your GLOVED fingers, insert the SIMPLI slotted driver for contra-angle driver firmly into the slot in the top of the implant. The driver should grip the implant tight enough to transfer it to the prepared osteotomy site.
14. Transfer the implant/driver/hand-piece to the mouth and insert the tapered end of the implant into the osteotomy site.
15. Slowly thread the implant into the site while pressing apically until the top of the implant fixture portion is slightly below the crest of the bony ridge.
16. If excess resistance to the implant is met, reverse the handpiece and remove the implant.
17. Go to the next larger size drill and repeat the process until the top of the implant is flush with the mucosa.
18. Remove the healing collar from the plastic cap and thread it into the implant until finger tight.
19. Reposition & suture the flap if needed.

