



PARAGONTM

IMPLANT COMPANY

SURGICAL GUIDE



GEN5TM

GEN5+TM





About This Guide

This surgical manual demonstrates the protocol for implantation of the GEN5 and GEN5+ dental implant system. The GEN5 and GEN5+ dental implant system is recommended for use by trained clinicians with prior training and experience placing dental implants. For additional information, please refer to the GEN5 and GEN5+ Instructions for Use at paragon-implant.com/IFU.

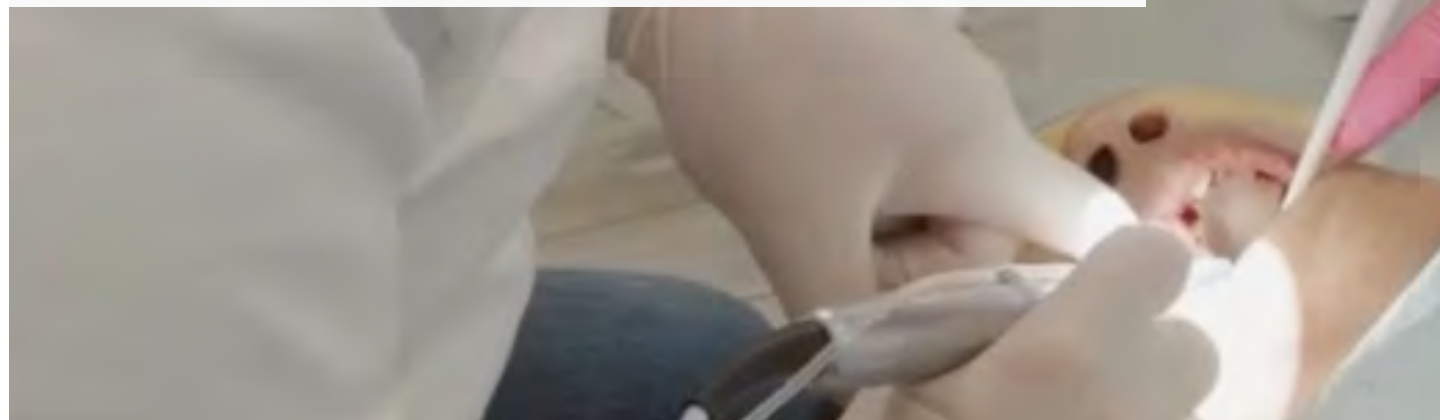


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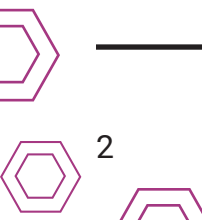
IMPLANT DESIGN AND SPECIFICATIONS

GEN5 and GEN5+ implants are two-piece implants for one-stage or two-stage surgical procedures. These implants are intended for use in partially or fully edentulous upper and lower jaws in support of single or multiple-unit restorations and terminal or intermediate support for fixed bridgework.

GEN5 and GEN5+ Implant Sizes:

<u>Body Diameters</u>	<u>Platform Diameters</u>	<u>Lengths</u>
3.7mm	3.5mm	7mm, 9mm, 11mm, 12.5mm, 14mm
4.2mm	3.5mm	7mm, 9mm, 11mm, 12.5mm, 14mm
4.7mm	4.5mm	7mm, 9mm, 11mm, 12.5mm, 14mm
5.2mm	4.5mm	7mm, 9mm, 11mm, 12.5mm, 14mm
5.7mm	4.5mm	7mm, 9mm, 11mm, 12.5mm, 14mm

Warning: SP3707 implants are not indicated for supracrestal placement because the reduced surface area for anchorage in the bone.



GEN5™



Industry Standard 45° lead-in Conical Connection (Niznick US Patent #4,960,381) maximizes wall thickness on narrow implants

Two Platform Diameters (3.5mmD & 4.5mmD) optimize emergence profile

1mm added to the standard lengths provides vertical flexibility for placement in uneven ridges and extraction sockets

3.5mm Platform



3.5mm Platform



4.5mm Platform



4.5mm Platform



4.5mm Platform



3.7mmD Implant



4.2mmD Implant



4.7mmD Implant



5.2mmD Implant



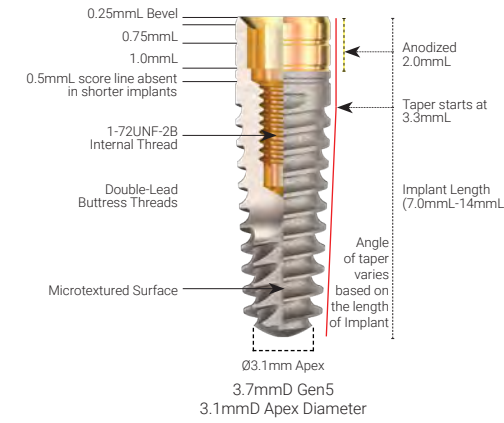
5.7mmD Implant



GEN5™ Packaging

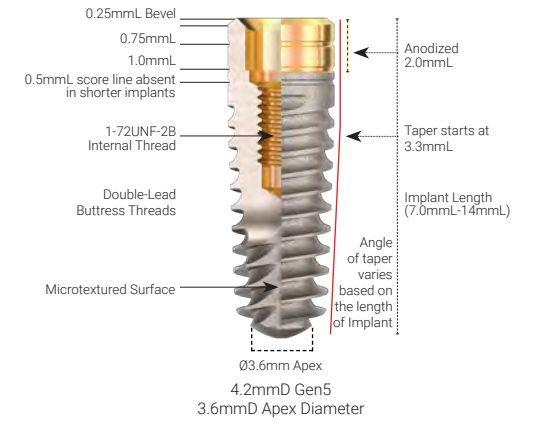


GEN5™ DIMENSIONS



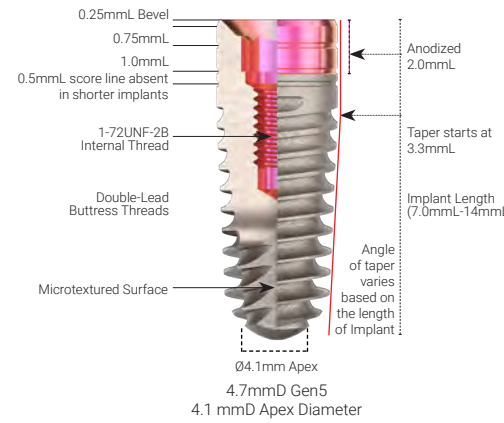
Ø3.5mm Implant Platform
Ø3.7mmD Body

3.5mmD Prosthetic Platform incorporates a standard 2.5mmD Internal Hex configuration having a depth of 1.9mmL from top of Implant Platform.



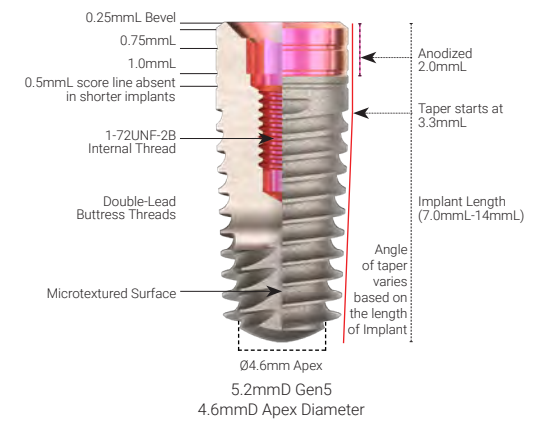
Ø3.5mm Implant Platform
Ø4.2mmD Body

4.2mmD Prosthetic Platform incorporates a standard 2.5mmD Internal Hex configuration having a depth of 1.9mmL from top of Implant Platform.



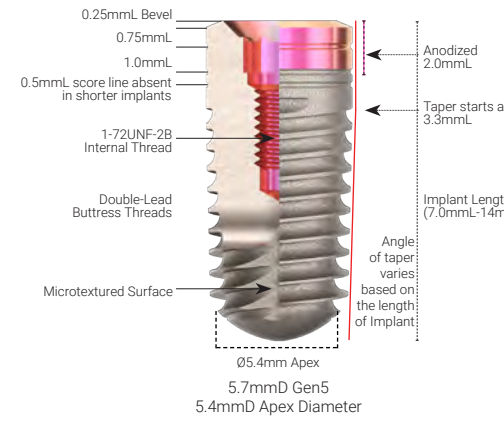
Ø4.5mm Implant Platform
Ø4.7mmD Body

4.5mmD Prosthetic Platform incorporates a standard 2.5mmD Internal Hex configuration having a depth of 1.9mmL from top of Implant Platform.



Ø4.5mm Implant Platform
Ø5.2mm Body

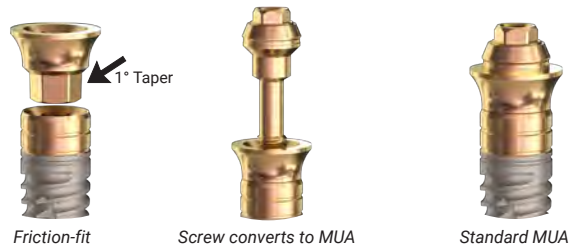
5.2mmD Prosthetic Platform incorporates a standard 2.5mmD Internal Hex configuration having a depth of 1.9mmL from top of Implant Platform.



Ø4.5mm Implant Platform
Ø5.7mm Body

5.7mmD Prosthetic Platform incorporates a standard 2.5mmD Internal Hex configuration having a depth of 1.9mmL from top of Implant Platform.

GEN5+™



Detachable 2mm friction-fit extender for 1-Stage Surgery, simplifies restorative procedures by elevating platform

Extender can be removed to allow prosthetic connection to the implant platform for esthetics if tissue recedes

Attachment of application-specific prosthetic screws converts platform to standard MUA or a variety of other abutment options

3.5mm Platform



3.5mm Platform



4.5mm Platform



4.5mm Platform



5.7mm Platform



3.7mmD Implant



4.2mmD Implant



4.7mmD Implant



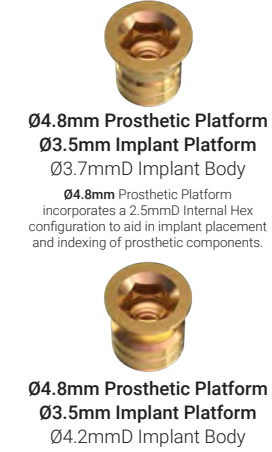
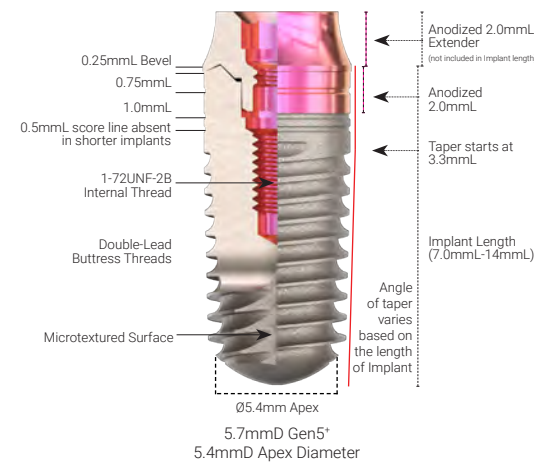
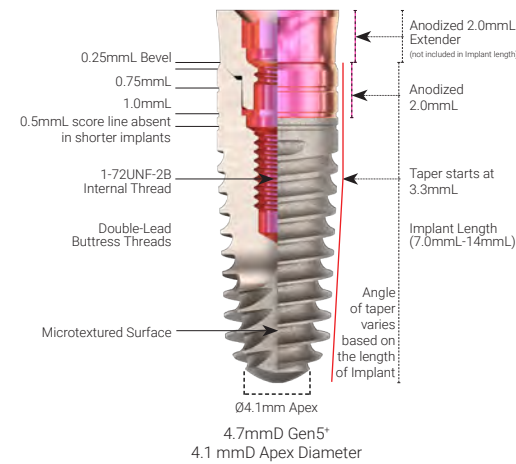
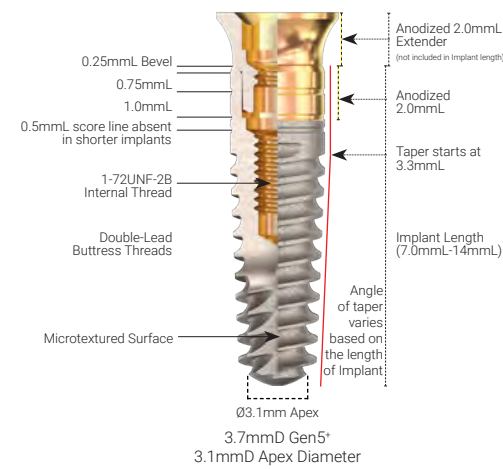
5.2mmD Implant



5.7mmD Implant



GEN5+™ DIMENSIONS



GEN5+ IMPLANT AND DIMENSIONS

GEN5+ IMPLANT AND DIMENSIONS

SURGICAL DRILLS AND DRILL SEQUENCE

DRILL STOPS AND DRILL STOP PLACEMENT

GEN5+ SURGICAL PROCEDURES

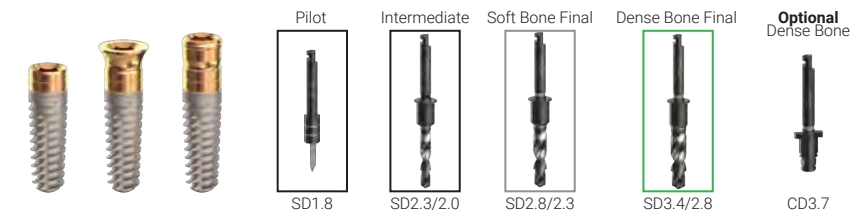
GEN5+ SURGICAL PROCEDURES

STEP DRILL DEPTH MARKINGS & BONE DRILL SEQUENCE

SURGICAL DRILLS & DRILL SEQUENCE

Code	Description	Price
SD1.8	Pilot Drill, Ø1.8mm, 7mmL	\$75.00
SD2.3	Step Drill 2.3/2.0, 7-14mmL, Long	\$75.00
SD2.8	Step Drill 2.8/2.3, 7-14mmL, Long	\$75.00
CD3.3	Crestal Drill, Ø3.3mm	\$75.00
SD3.4	Step Drill 3.4/2.8, 7-14mmL, Long	\$75.00
CD3.7	Crestal Drill, Ø3.7mm	\$75.00
SD3.8	Step Drill 3.8/3.4, 7-14mmL, Long	\$75.00
CD4.2	Crestal Drill, Ø4.2mm	\$75.00
SD4.4	Step Drill 4.4/3.8, 7-14mmL, Long	\$75.00
CD4.7	Crestal Drill, Ø4.7mm	\$75.00
SD4.8	Step Drill 4.8/4.4, 7-14mmL, Long	\$75.00
CD5.2	Crestal Drill, Ø5.2mm	\$75.00
SD5.1	Step Drill 5.1/4.8, 7-14mmL, Long	\$75.00
SD5.4	Step Drill 5.4/5.1, 7-14mmL, Long	\$75.00
CD5.7	Crestal Drill, Ø5.7mm	\$75.00

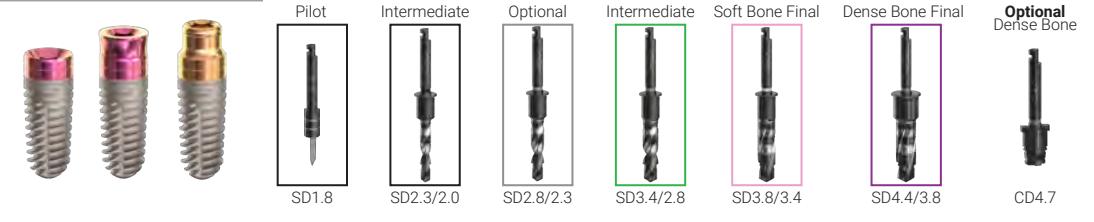
3.7mmD Implant



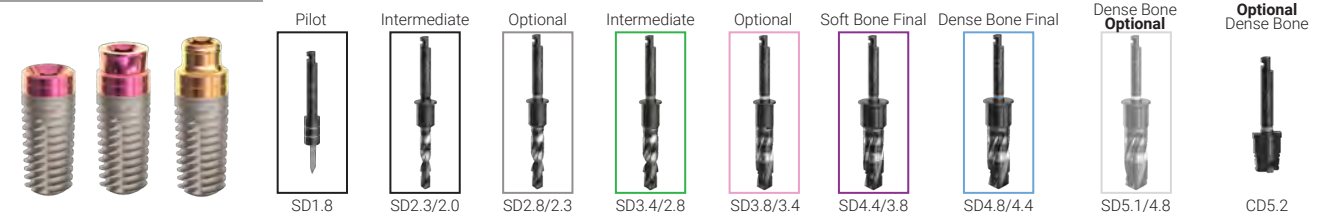
4.2mmD Implant



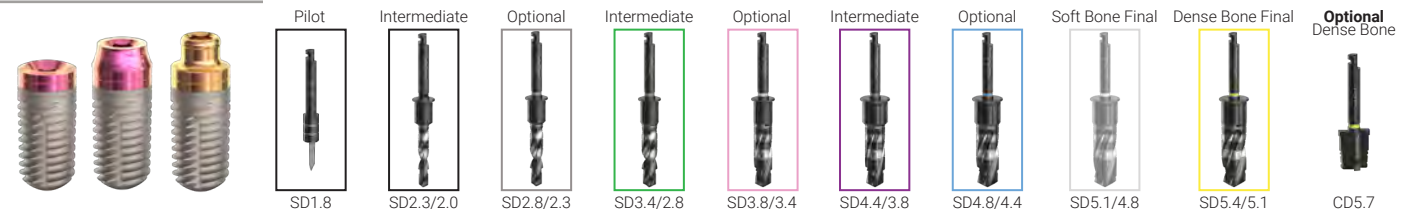
4.7mmD Implant



5.2mmD Implant



5.7mmD Implant



GEN5+ IMPLANT AND DIMENSIONS

GEN5+ IMPLANT AND DIMENSIONS

SURGICAL DRILLS AND DRILL SEQUENCE




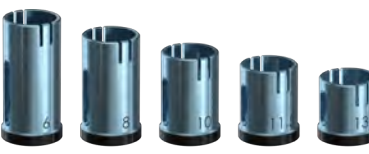
DRILL STOPS AND DRILL STOP PLACEMENT

GEN5 SURGICAL PROCEDURES

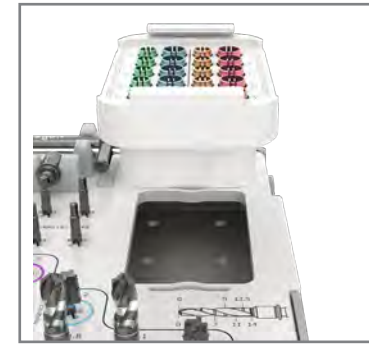
GEN5+ SURGICAL PROCEDURES

STEP DRILL DEPTH MARKINGS & BONE DRILL SEQUENCE

DRILL STOPS

ASC Tools	Code	Description	Price
Bone Level <= 3.8mmD	DSN-07	Drill Stop Narrow- 2.3 -3.8mmD for 7mmL Imp.	\$20.00
	DSN-09	Drill Stop Narrow- 2.3 -3.8mmD for 9mmL Imp.	\$20.00
DSN-07 - DSN-14	DSN-11	Drill Stop Narrow- 2.3 -3.8mmD for 11mmL Imp.	\$20.00
	DSN-12	Drill Stop Narrow- 2.3 -3.8mmD for 12.5mmL Imp.	\$20.00
	DSN-14	Drill Stop Narrow- 2.3 -3.8mmD for 14mmL Imp.	\$20.00
+1mm Level <= 3.8mmD	DSN-06L	Drill Stop Narrow- 2.3 -3.8mmD for 6mmL Imp.	\$20.00
	DSN-08L	Drill Stop Narrow- 2.3 -3.8mmD for 8mmL Imp.	\$20.00
DSN-06 - DSN-13	DSN-10L	Drill Stop Narrow- 2.3 -3.8mmD for 10mmL Imp.	\$20.00
	DSN-11L	Drill Stop Narrow- 2.3 -3.8mmD for 11.5mmL Imp.	\$20.00
	DSN-13L	Drill Stop Narrow- 2.3 -3.8mmD for 13mmL Imp.	\$20.00
Bone Level => 4.4mmD	DSR-07	Drill Stop Regular- 4.4-5.4mmD for 7mmL Imp.	\$20.00
	DSR-09	Drill Stop Regular- 4.4-5.4mmD or 9mmL Imp.	\$20.00
DSR-07 - DSR-14	DSR-11	Drill Stop Regular- 4.4-5.4mmD for 11mmL Imp.	\$20.00
	DSR-12	Drill Stop Regular- 4.4-5.4mmD for 12.5mmL Imp.	\$20.00
	DSR-14	Drill Stop Regular- 4.4-5.4mmD for 14mmL Imp.	\$20.00
+1mm Level => 4.4mmD	DSR-06L	Drill Stop Regular- 4.4-5.4mmD for 6mmL Imp.	\$20.00
	DSR-08L	Drill Stop Regular- 4.4-5.4mmD for 8mmL Imp.	\$20.00
DSR-06 - DSR-13	DSR-10L	Drill Stop Regular- 4.4-5.4mmD for 10mmL Imp.	\$20.00
	DSR-11L	Drill Stop Regular- 4.4-5.4mmD for 11.5mmL Imp.	\$20.00
	DSR-13L	Drill Stop Regular- 4.4-5.4mmD for 13mmL Imp.	\$20.00

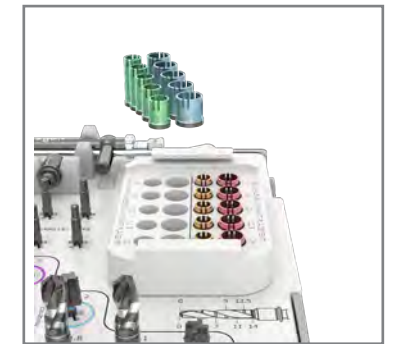
DRILL STOP SEQUENCE AND PLACEMENT



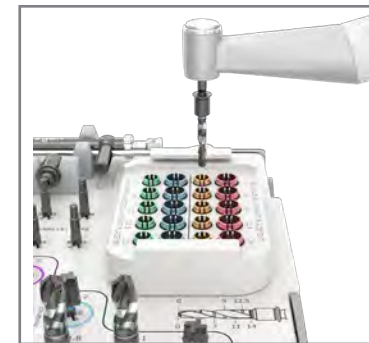
1. Drill Stop Kit is seated in the Surgical Kit



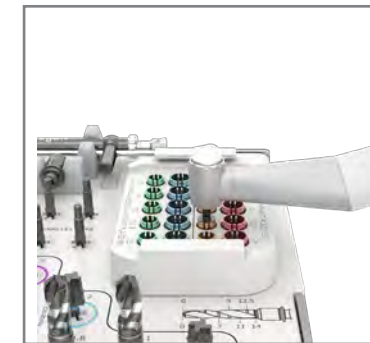
2. The Bone-level drill stops: gold stops are narrow, and pink stops are wide



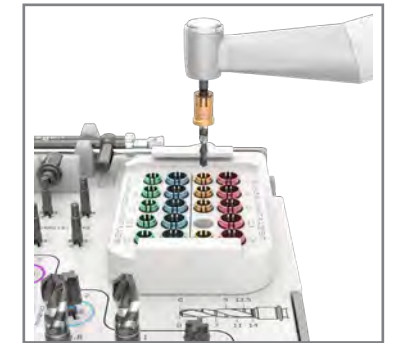
3. The 1mm supracrestal drill stops: green stops are narrow, and blue stops are regular (with black band on bottom)



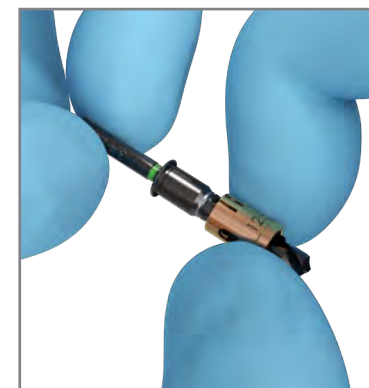
4. Handpiece with drill is shown floating above the Drill Stop kit



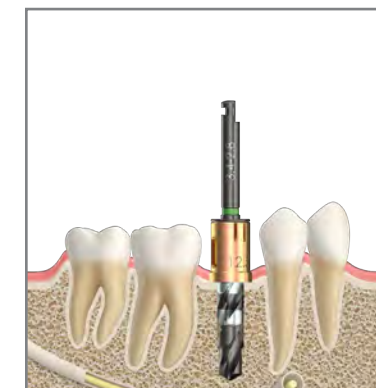
5. Drill is inserted into the selected drill stop.



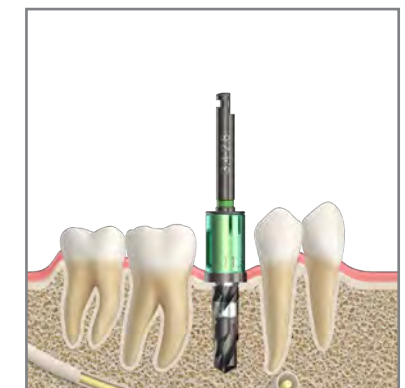
6. Handpiece lifted with the drill stop now attached to the drill.



Placing the drill stop on the drill



The Gold and Magenta Narrow Drill Stops create a socket depth equal to the overall length of the implant selected for placement 1mm supra-crestal



The Green and Blue Regular Drill Stops create a socket depth 1mm short of the overall length of the implant selected for placement 1mm supra-crestal

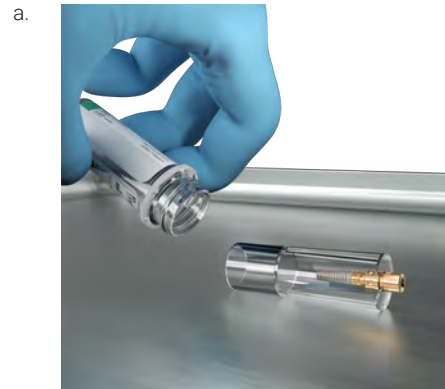
GEN5 SURGICAL PROCEDURE

Prepare Osteotomy

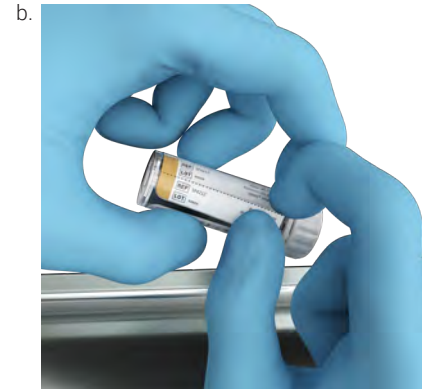


Prepare surgical site with sequential step drills

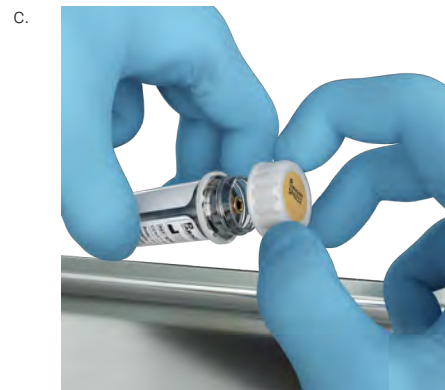
Implant Removal from Packaging



All Paragon Implants are supplied in gamma irradiated, sterile packaging



Each label has two tear-off labels for patient records



Color coded labels on top of the cap identify the diameter of the platform

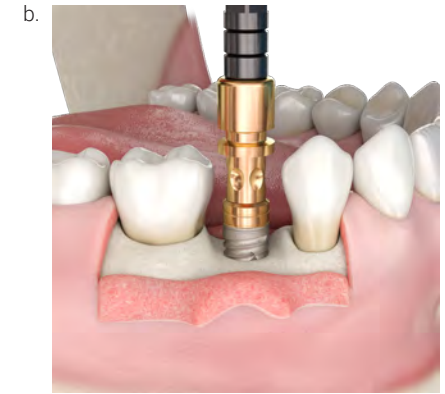


Drop implant assembly out of vial onto a sterile surface

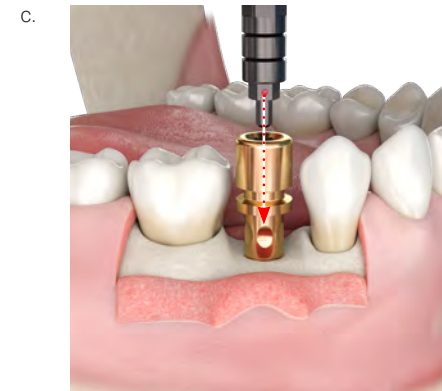
Implant Placement



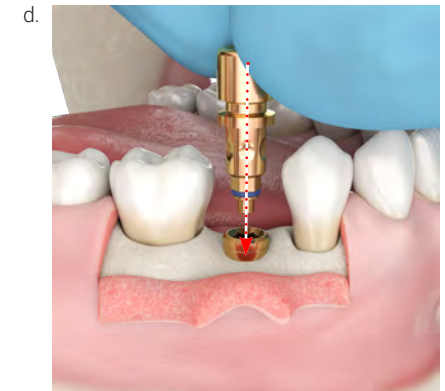
Engage internal hex feature of carrier with a hand or motor driven 2.5mmD driver



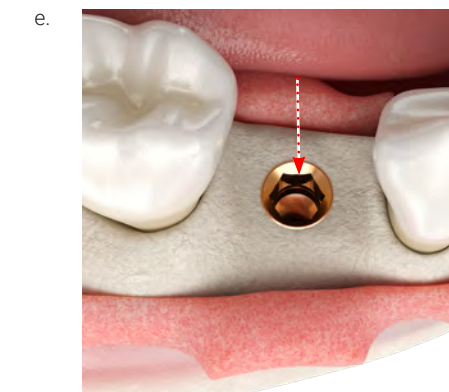
Align implant/carrier assembly with osteotomy for insertion



External dimples on the carrier are indexed to the carrier's hex driver



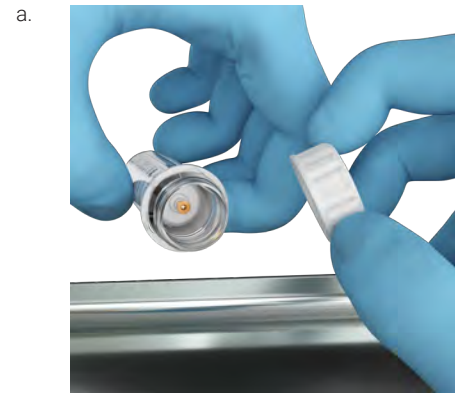
Insert implant level with crest



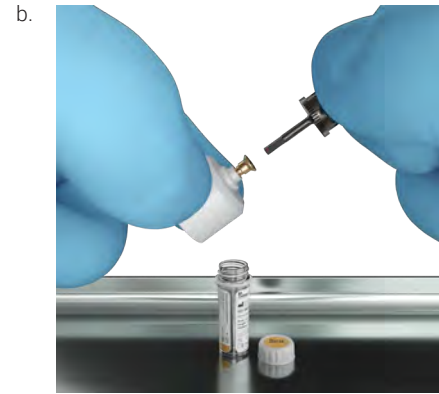
The internal hex of the implant should be indexed with a flat on the labial/lingual

GEN5+ SURGICAL PROCEDURE

Implant Closure



a. Select cover screw, healing collar, temporary or final abutment



b. Use friction-fit 1.25mmD hex tool to remove the Cover Screw or Healing Collar



1. Attach the Cover Screw to implant

Two-stage Healing



2. For a 2-stage surgical procedure, suture soft tissue over the Cover Screw



1. Attach the Healing Abutment to implant

One-stage Healing



2. For a 1-stage surgical procedure, suture soft tissue around the Healing Abutment

Prepare Osteotomy

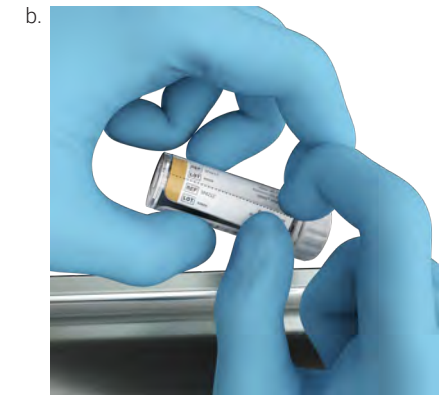


Prepare surgical site with sequential step drills

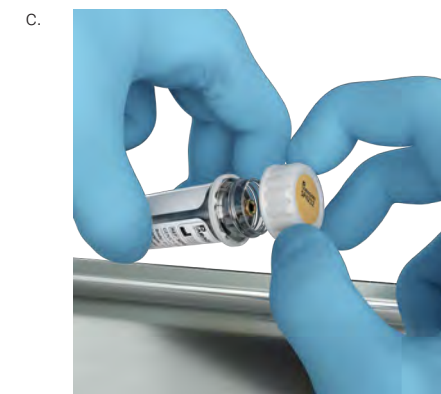
Implant Removal from Packaging



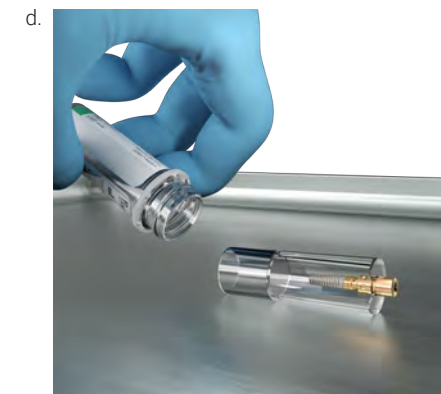
a. All Paragon Implants are supplied in gamma irradiated, sterile packaging



b. Each label has two tear-off labels for patient records

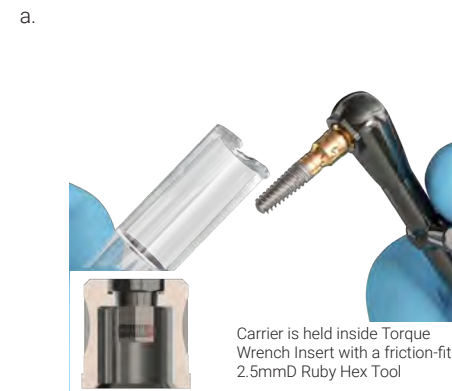


c. Color coded labels on top of the cap identify the diameter of the platform

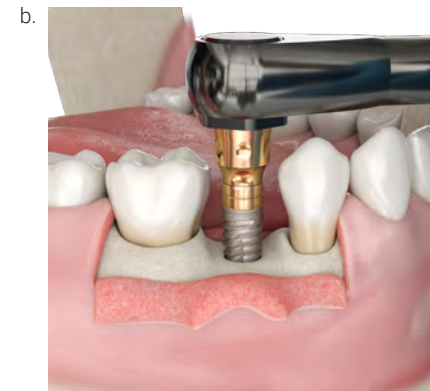


d. Drop implant assembly out of vial onto a sterile surface

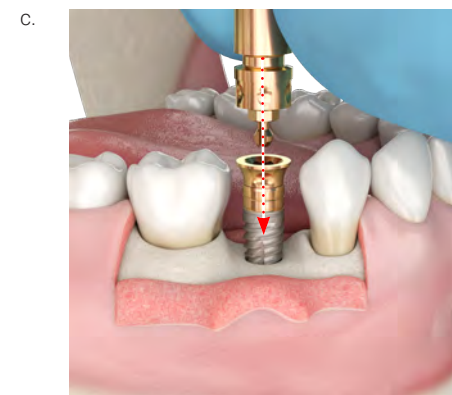
Implant Placement



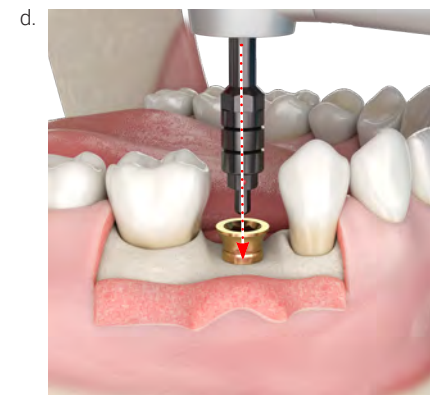
The carrier, together with the pre-attached implant, is removed from the inner vial



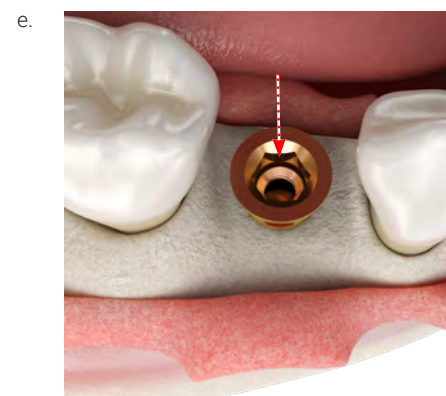
Align implant/carrier assembly with osteotomy for insertion



Stabilize implant within the osteotomy. Remove carrier from Extender

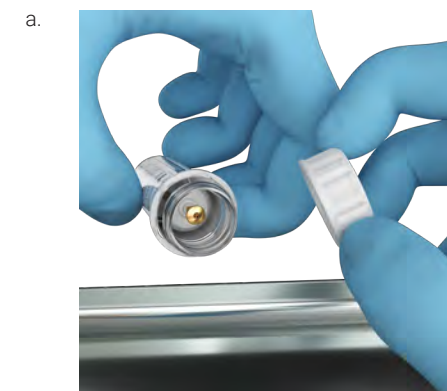


The flats of the 2.5mmD Hex Tool aid in the alignment of the Extender and Implant

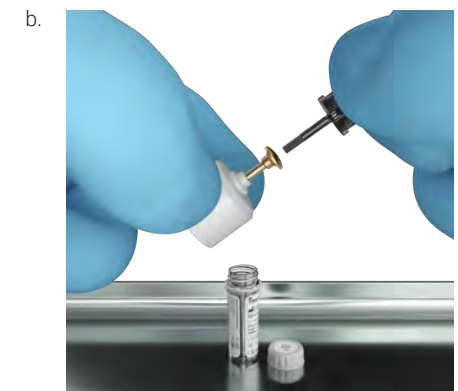


The internal hex of the implant should be indexed with a flat on the labial/lingual

Implant Healing



Select appropriate height cover screw for tissue level and drop on surgical tray



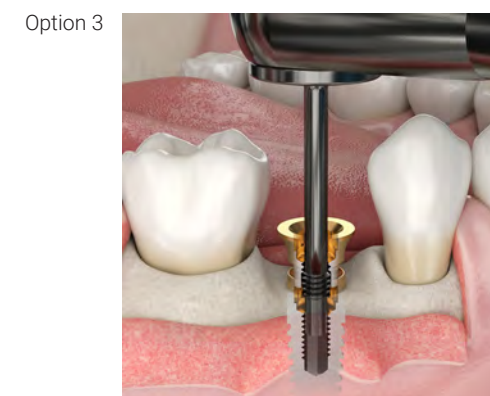
Remove the Cover Screw from the mount using the friction-fit 1.25mmD hex tool



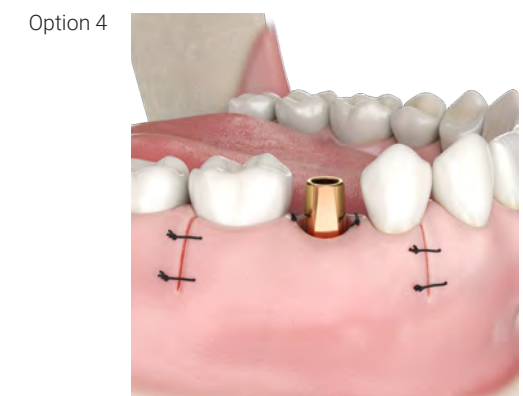
For a 1-stage surgical procedure, suture around the cover screw



Attach straight abutment for cemented restoration



Remove the extender using the retrieval tool

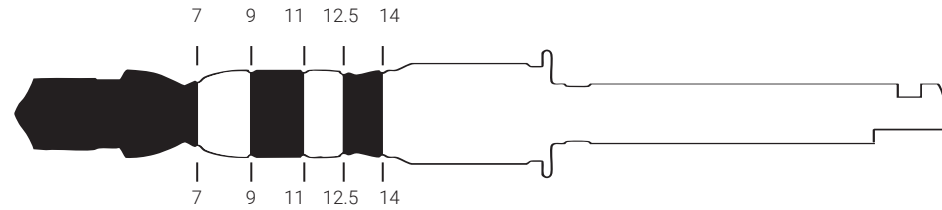


Attach straight abutment to implant for cemented restoration

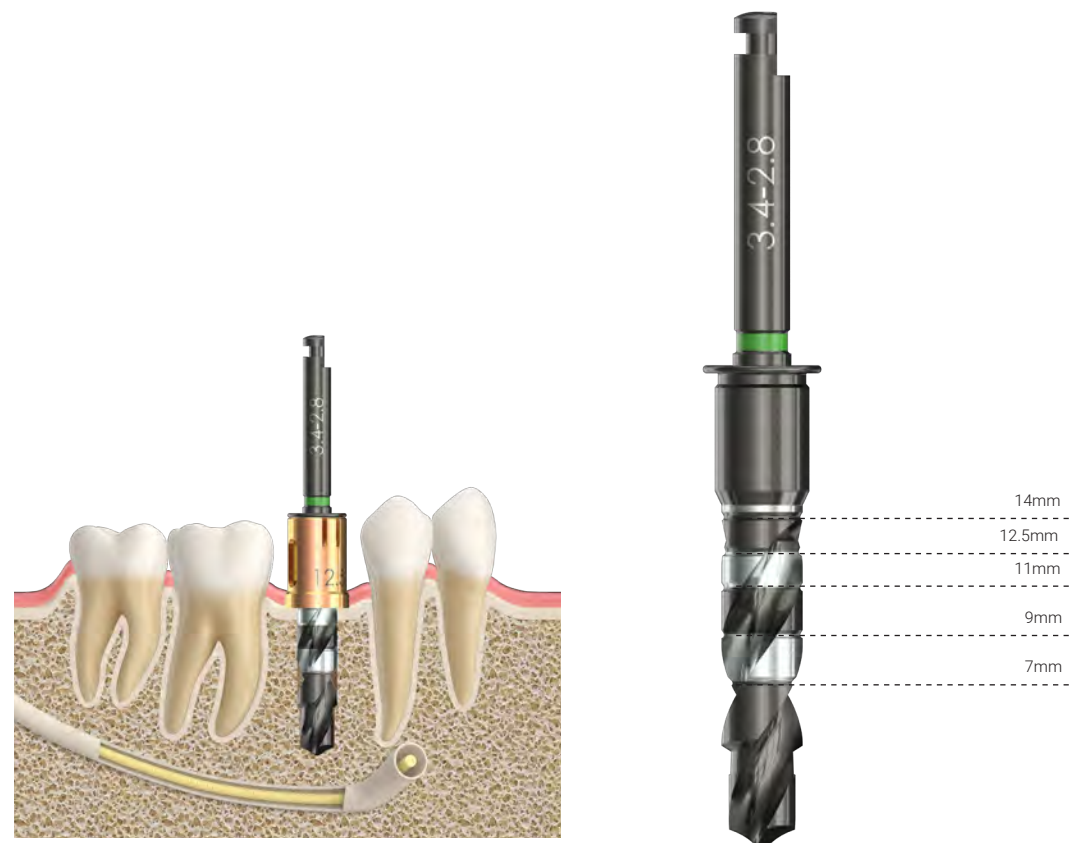
STEP DRILL DEPTH MARKINGS & CRESTAL BONE DRILLS (OPTIONAL)

You can easily verify the depth marking line on DLC drills by aligning the point of the drill with the ruler on the surgical kit.

If you are familiar with the prior generation drills, be sure to note the difference in line markings on the DLC drills.

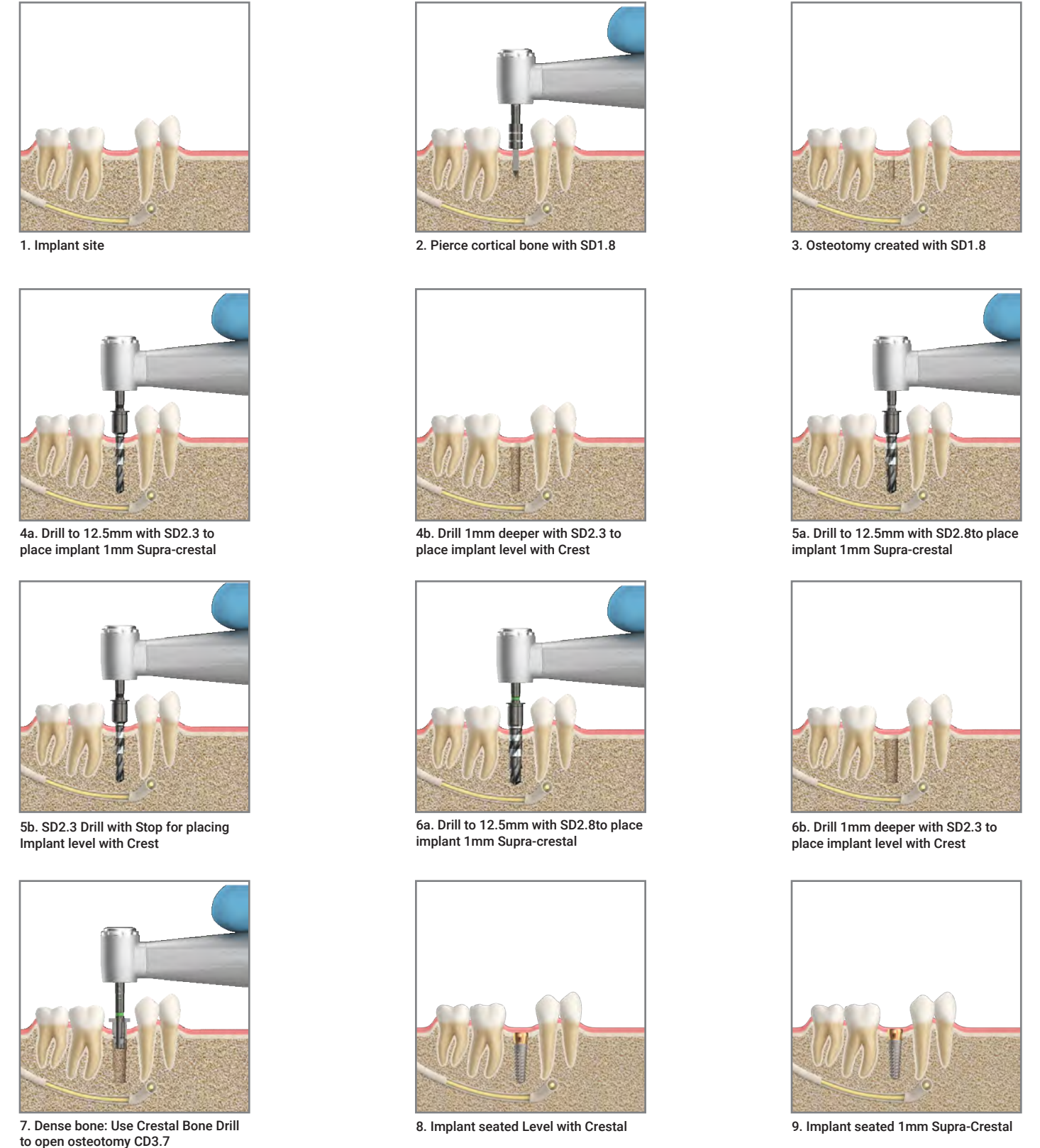


Use constant and profuse irrigation. During drilling, use an in-and-out motion. Move the drill up without stopping handpiece motor which allows the irrigation to flush away bone debris.



The Drill Stops provide the Implantologist control of what depth they prepare the osteotomy to, by providing a physical stop that fits over each drill.

BONE DRILL SEQUENCE





Manufacturing

27030 Malibu Hills Road
Calabasas, CA 91301
818.475.4675

Distribution and Customer Service

8840 W.Russell Road Ste.205
Las Vegas, NV 89148
702.726.7271