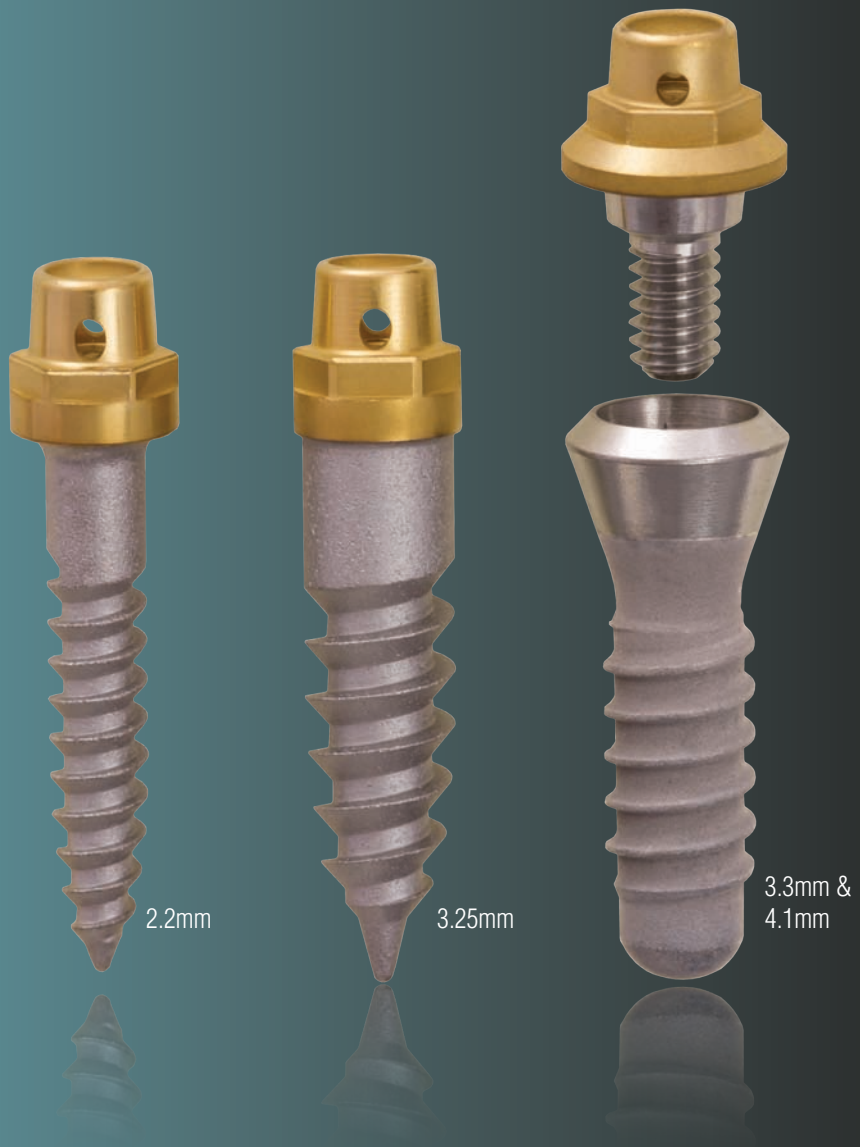


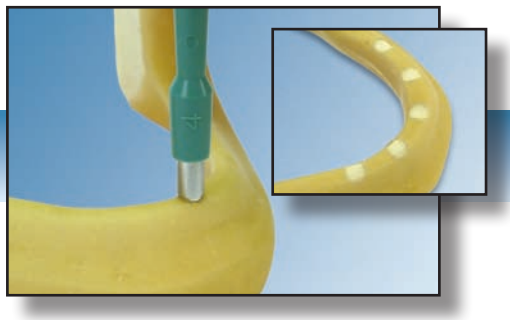
Sterngold® Implant System

Surgical & Prosthetic Procedure

Sterngold™

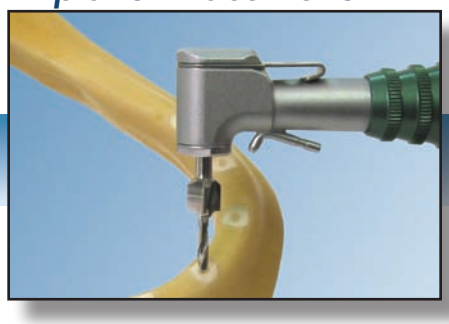
www.sterngold.com

2.2 mm ERA Implant® Placement



1 Clear the implant site by using a tissue punch, a minimal flap, or you may prepare directly through the tissue.

2 Use the Round Marking Bur or Starter Drill to make a shallow pilot hole in the bone.



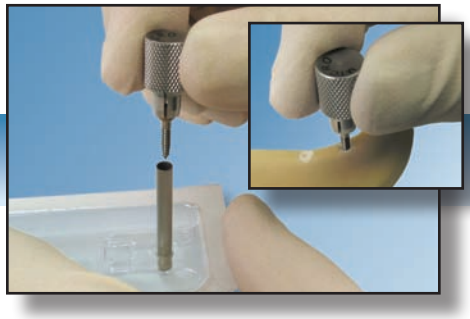
3 Choose the appropriate length Countersink/Drill, available in 10mm, 13mm, and 15mm lengths.

4 Prepare a pilot hole in the bone. The depth is about 3mm short of the actual length of the implant. The drill also makes a flat area on the surface of the bone.

5 When the bone is dense, extend the preparation to the full length of the implant using the 1.6mm drill. If extremely dense bone is encountered, the 2.2mm Bone Tap may be used.

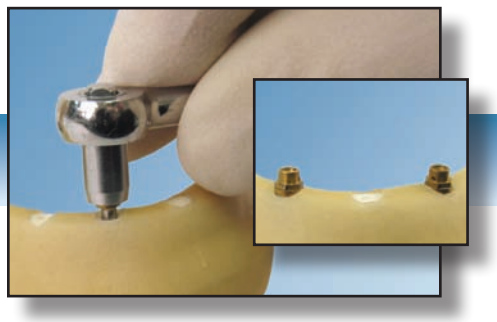
6 The cover on the outer blister is removed. The inner blister is dropped onto the sterile field.

7 Peel back the cover on inner blister, upright the tube holding the implant, and insert it into the round depression in the blister.



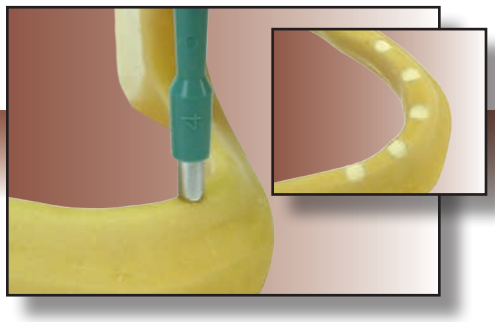
8 Press the Insertion Tool onto the hex area of the implant. Carry the implant to the site and begin to turn the implant into the bone. Tip the tool to one side to remove.

9 Seat the implant completely using the ERA® Driver in a surgical handpiece, maximum torque 55 Ncm, 15 – 20 rpm.

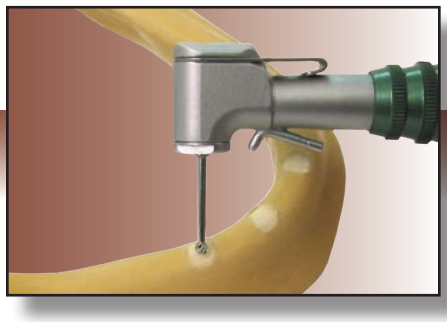


10 The ERA® Socket/ratchet wrench (or torque wrench) may also be used to slowly finish seating the implant by hand.

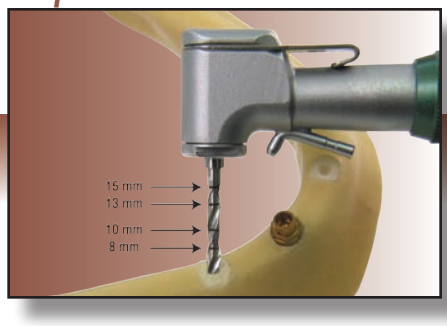
3.25 mm ERA Implant® Placement



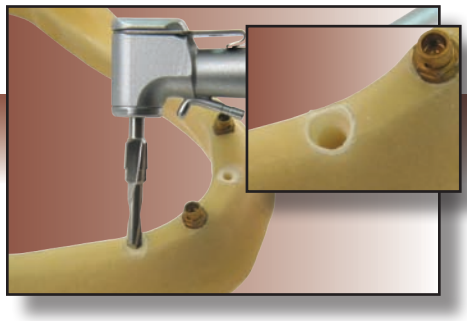
1 Clear the implant site by using a tissue punch, a minimal flap, or you may prepare directly through the tissue.



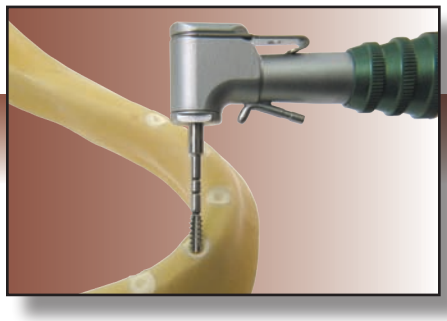
2 Use the Round Marking Bur or Starter Drill to make a shallow pilot hole in the bone.



3 Use the depth marking on the 1.6mm Drill to create a full depth pilot hole.



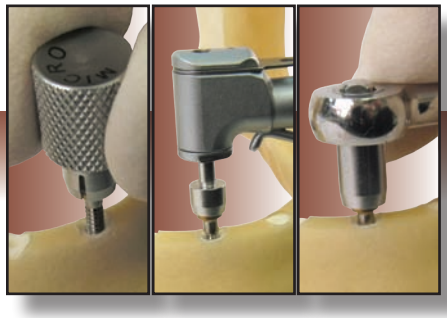
4 Expand the diameter of the osteotomy using the appropriate length 3.25mm Countersink/Drill. Continue until the laser etched line first touches the bone.



5 When the bone is dense, the 3.25mm Bone Tap may also be used to create threads in the bone.

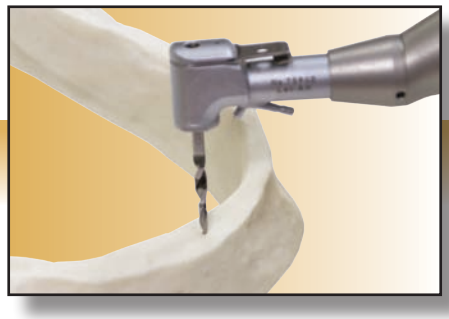
6 The cover on the outer blister is removed. The inner blister is dropped onto the sterile field.

7 Peel back the cover on inner blister, upright the tube holding the implant, and insert it into the round depression in the blister.

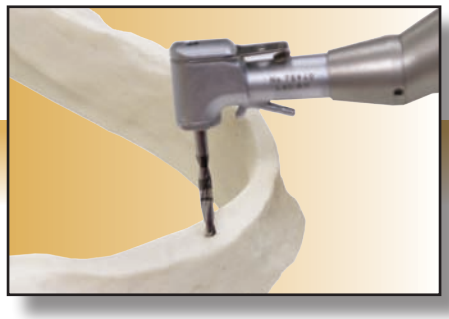


8 Use the same steps for inserting the implants into the bone as discussed in the 2.2mm ERA Implant® procedure.

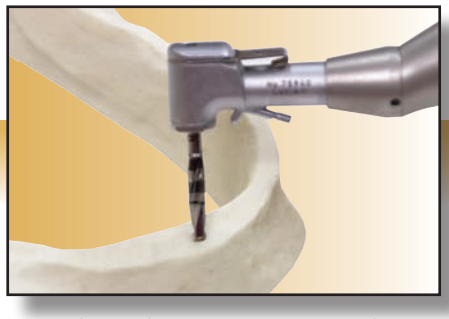
3.3 and 4.1mm Stern IC Placement



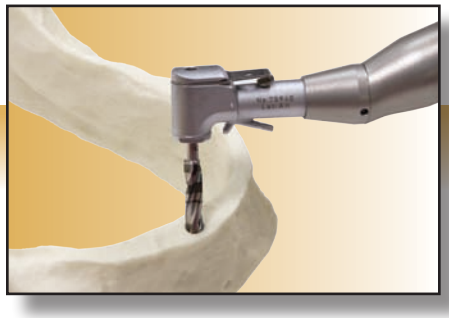
1 Penetrate the cortical bone using the Starter Drill to mark the site and to guide the subsequent drills.



2 Penetrate the bone to the appropriate depth using the 2.2 mm Drill. Depth markings are on the drill. Irrigate to control temperature.



3 Enlarge the osteotomy using the 2.8 mm Drill. This is the final drilling step for placement of the 3.3 mm Stern IC.



4 If you are placing a 4.1 mm Stern IC, one additional drilling step is required. Enlarge the osteotomy using the 3.5 mm Drill.

5 The cover on the outer blister is removed. The inner blister is dropped onto the sterile field.

6 Peel back the cover on inner blister, upright the tube holding the implant, and insert it into the round depression in the blister.

7 Snap the IC driver onto the Implant Mount and transport the implant assembly to the site. Insert at 15 – 20 rpm, with torque not to exceed 55 Ncm. A torque wrench is recommended.

8 Remove the Implant Mount using the holding key.

9 A Stern IC Cover Screw may be used if this is to be a two-stage surgery. Tighten the cover screw with a .048" hex driver.

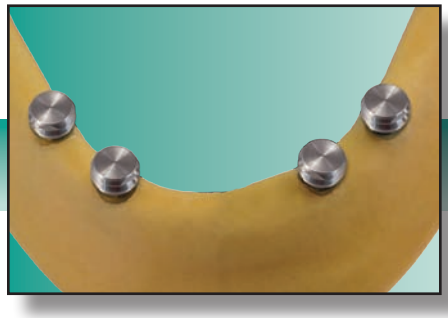
10 If this is to be a one-stage surgery, a Stern IC Healing Cap is placed and tightened using a .048" hex driver.

In Dense Bone

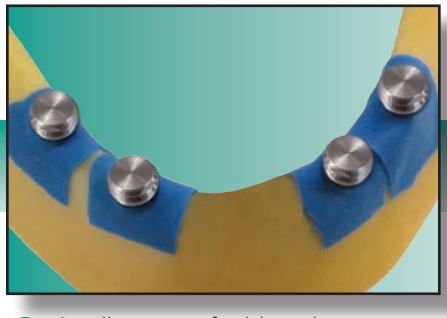
11 When placing the 3.3mm Stern IC in dense bone use the 3.3 mm Tap to create threads in the walls of the osteotomy. This will allow you to keep the torque below 55 Ncm. This Tap also contours the bone to accept the flaring shape of the implant.

12 The 4.1 mm Tap may be used to limit insertion force in dense bone when placing the 4.1mm Stern IC.

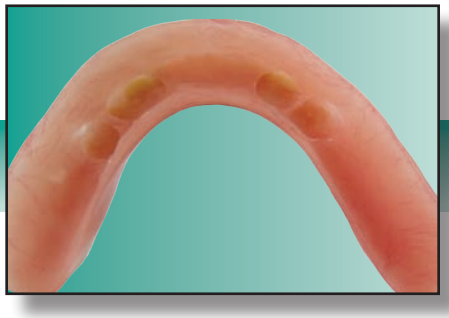
Removable Prosthetic Procedure



1 Snap an ERA Metal Jacket or Black Fabrication Male onto each female attachment.



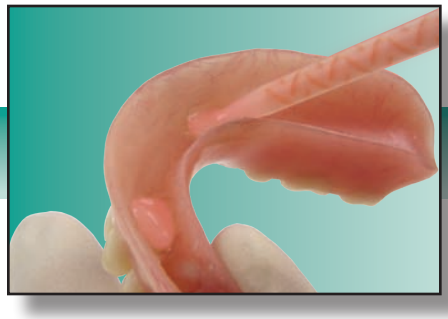
2 Small pieces of rubber dam are very effective at blocking out any exposed metal abutment surfaces.



3 Prepare a recess in the denture over each Metal Jacket.

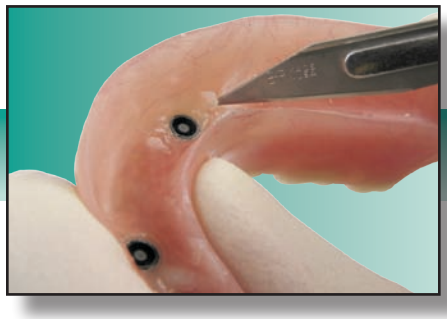
4 Use SternVantage® Varnish to prime the recesses over the Metal Jackets and light cure.

5 Add composite (EZ PickUp™) over the top and sides of the Metal Jackets.

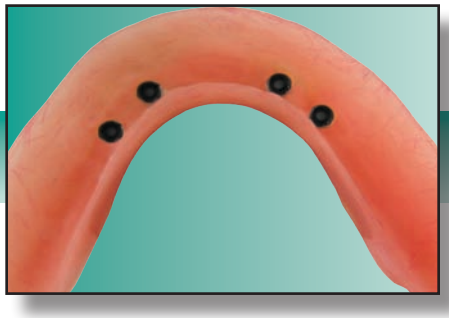


6 Place additional resin in the recesses of the overdenture.

7 Passively seat the overdenture, ensuring that the tissue is not displaced.

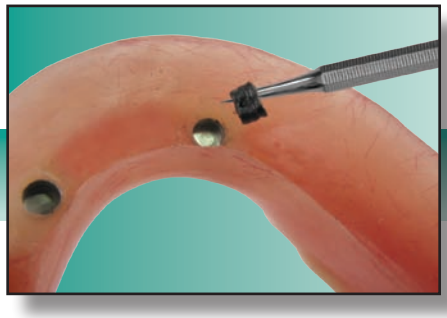


8 Fill any defects with resin. Excess EZ PickUp™ may be easily removed from the unvarnished areas.

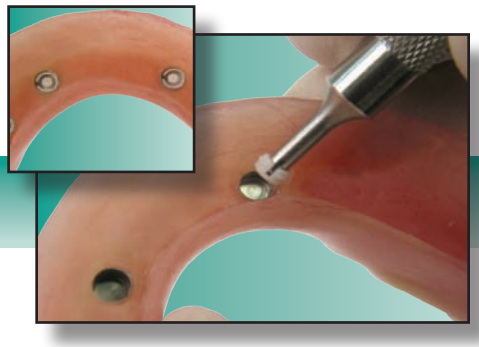


9 Replace the Black Fabrication Males with the White Final Males to activate the 0.4mm vertical resiliency of the ERA attachment.

10 Use the Micro ERA Core Cutter in a straight handpiece at medium speed to cut out the center button of the Black Male. Use no more than three short in-and-out cutting cycles.

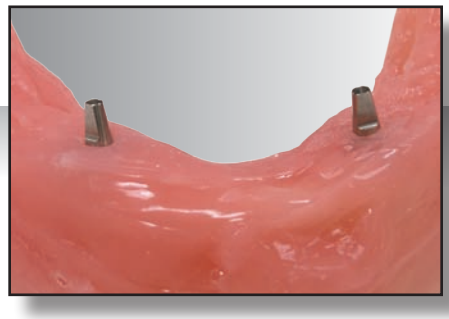


11 Collapse the remaining ring into the open space. The ERA Extraction Tool is recommended.



12 Place the White ERA Overdenture Males on the ERA Seating Tool and snap them into the Metal Jackets.

Stern IC Fixed Prosthetic Procedure



1 To restore the Stern IC with cement retained crowns or bridges, screw the appropriate height Solid Abutment (4 mm, 5.5 mm, or 7 mm) into each implant and…

2 …torque to 20 Ncm.

3 Snap the appropriate height Stern IC Impression Coping (4 mm, 5.5 mm, or 7 mm) onto each Solid Abutment and…

4 …pull them in an impression.

5 Insert the appropriate height analog (4 mm, 5.5 mm, or 7 mm) into each impression coping.

6 Pour the model.

7 Place a Stern IC Engaging Waxing Sleeve on any analog on which a single crown will be fabricated.

8 Use Stern IC Non-Engaging Waxing Sleeves for a bridge. The design of the waxing sleeves allows for an ideal space for cement.

PRODUCTS

Sterngold® Implant Surgical Kit
#905161

Aseptico AEU 6000 70V
Implant Surgery Unit W/AE-70V footswitch
#915237

Hi-Torq Wrench
#905090

Tap Kit
This kit includes bone taps for 2.2, 3.25, 3.3 and 4.1 mm implants

ERA Implant® 2.2mm
(acid etched)
Available Diameter:
2.2mm
Available Lengths:
10, 13, 15mm
Available Cuff Heights:
2 & 3mm

ERA® Micro Overdenture Prosthetic Kit
#811911

ERA Implant® 3.25mm
(acid etched)
Available Diameter:
3.25mm
Available Lengths:
10, 13, 15mm
Available Cuff Heights:
2 & 3mm

EZ PickUp™, Tips & Varnish
Tissue-colored, automixing, self-curing attachment processing material. 1 syringe @ 15 grams, 15 Tips and 5ml Varnish
#220237

Stern IC: Internal Connection Implant Fixture
(acid etched)
Available Diameter:
3.3 and 4.1mm
Available Lengths:
10, 12, 14mm
Available Cuff Heights:
1.8mm

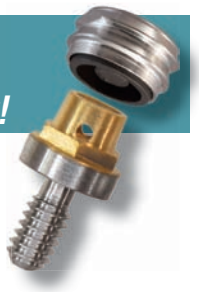
QuickLine™
This long-term soft relining material can be directly applied from its auto-mixing cartridge.
#220180

ERA® Implant Abutments
Manufactured for the Sterngold, and most popular implants. Varying cuff heights. Also available for angle correction.

Implant Components
Implant Analogs and Implant Impression Copings for the Sterngold, and most popular implant systems.

ERA® Implant Abutment

The smallest prosthetic head and the only with true vertical resiliency!



- ERA® Abutments are manufactured for most popular screw and cylinder implants.
- Components and product numbers vary with the implant type.
- Varying cuff heights are available, depending on implant platform and range from 0.5 mm to 6.5 mm.
- Five angles to accommodate divergent implants: 0˚ (straight), 5˚, 11˚, 17˚, 23˚ and 30˚.
- Refer to the ERA® ordering information on this page for compatibility and for ease in ordering, reference the group letter.
- Implant Analogs are available for different platforms. Visit ***www.sterngold.com*** or call **800-243-9942** for product availablity.

Call **800-243-9942** for assistance in ordering or go online to ***www.sterngold.com*** for an interactive ERA Implant Abutment Selection Chart. For most current and updated availability visit: ***www.sterngold.com/Sterngold/Implants/ERA_Select.aspx***

ERA® Implant Abutments fit the following implants:

SIZE	MANUFACTURER	GROUP
Sterngold-ImplaMed®		
3.3	Hex Cylinder	A
3.3	NP Self-tapping Hex Screw	W
3.3	NP Acid Etched	W
4.0	Hex Cylinder	A
3.75	Standard Hex Screw	A
3.75	Self-tapping Hex Screw	A
3.75	Self-tapping "SST" Hex Screw	A
4.0	Standard Hex Screw	A
4.0	Self-tapping Hex Screw	A
4.0	Self-tapping "SST"Hex Screw	A
5.0	RP "SST" Hex Screw	A
3.75	RP Acid Etched	A
4.0	RP Acid Etched	A
5.0	RP Acid Etched	A
5.0	WP Self-tapping Hex Screw	M
6.0	WP Self-tapping Hex Screw	M
3.3	Stern IC (4.8 head)	S
4.1	Stern IC (4.8 head)	S
Nobel Biocare Brånemark System®		
3.3	NP Nobel Speedy™ Groovy (ext.hex)	W
3.3	Fixture	A
3.3	NP Mk II	W
3.3	NP Mk III	W
3.75	Fixture	A
4.0	Fixture	A
5.0	Fixture (Old Version)	A
3.75	MkII, Self-tapping Fixture	A
4.0	MkII, Self-tapping Fixture	A
5.0	MkII, Self-tapping Fixture	M
5.0	MkIV, Self-tapping Fixture	M
5.5	MkII, Self-tapping Fixture	M
Nobel Biocare (Steri-Oss®)		
3.8	HL Cylinder	A
3.8	HL Threaded	A
4.5	HL Threaded	A
3.8	Cylindrical	D
3.8	Threaded	D
4.0	Steri-Oss	D
3.5	Replace® Select (NP) (Tri-channel)	Z
4.3	Replace® Select (Tri-channel)	T
4.0	NobelReplace® Straight (RP) (Tri-channel)	T
3.5	NobelReplace® (Tri-channel)	Z
4.3	NobelReplace® (Tri-channel)	T
5.0	NobelReplace™ (WP) (Tri-channel)	AN
3.5	NobelReplace™ (Conical (CC))	AY
4.3	NobelReplace™ (RP) (Conical (CC))	AP
5.0	NobelReplace™ (RP) (Conical (CC))	AP
3.5	Nobel Active (NP) (Conical (CC))	AY
4.3	Nobel Active (RP) (Conical (CC))	AP
5.0	Nobel Active (RP) (Conical (CC))	AP
Interpore IMZ™		
3.3	Hex Cylinder	A
3.75	Self-tapping Threaded	A
4.0	Hex Cylinder	A
4.0	Self-tapping Threaded	A
4.25	Hex Cylinder	A
3.3	Cylinder	G
4.0	Cylinder	F
4.25	Cylinder	F
Straumann		
3.3	ITI TE™ (4.8 head)	S
3.3	ITI Std. & Std. Plus (4.8 head)	S
4.1	ITI TE™ (4.8 head)	S
4.1	ITI Std. & Std. Plus (4.8 head)	S
4.8	ITI Std. & Std. Plus (4.8 head)	S
4.1	Regular CrossFit (Bone Level)	BD
3.3	Narrow CrossFit (Bone Level)	BE
Henry Schein®		
4.3	Camlog	AH
"O" Company		
3.25	Anti Rotational	E
4.0	Anti Rotational	D
Astra Tech		
3.5/4.0	Aqua	AK
4.5/5.0	Lilac	AJ
3.5 S	OsseoSpeed™ TX	AK
4.0 S	OsseoSpeed™ TX	AK
4.5	OsseoSpeed™ TX	AJ
5.0	OsseoSpeed™ TX	AJ
5.0 S	OsseoSpeed™ TX	AJ
BioHorizons®		
3.5	Internal	B
4.0	Internal	C
4.5	Internal	C
3.5	Single Stage	B
4.5	Single Stage	C
4.0	External Hex (Maestro)	A
Osstem		
3.5	US II, II Plus	W
4.1	US II, III, II Plus, III Plus	A
	SI II, III (4.8 head)	S
3i Implant Innovations®		
3.25	External Hex Miniplant®	A
3.25	ICE™ Miniplant®	A
3.25	OSSEOTITE® Miniplant®	A
3.25	Internal Hex Miniplant®	E
3.3	Cylinder Miniplant®	A
3.3	External Hex Cylinder	A
3.75	ICE™ Self-tapping	A
3.75	OSSEOTITE®	A
3.75	Self-tapping Threaded	A
3.75	Standard Threaded	A
4.0	External Hex Cylinder	A
4.0	ICE™ Self-tapping	A
4.0	OSSEOTITE®	A
4.0	OSSEOTITE® Certain™	X
4.0	OSSEOTITE® NT Certain™	X
4.0	OSSEOTITE® CERTAIN PREVAIL	X
4.0	Standard Threaded	A
4.25	External Hex Cylinder	A
	TG OSSEOTITE® (4.8 Platform)	S
5.0	OSSEOTITE® Certain™	X
5.0	OSSEOTITE® NT Certain™	X
5.0	OSSEOTITE® CERTAIN PREVAIL	X
Zimmer (Paragon, Centerpulse)		
3.5	Bio-Vent® X™	A
3.75	Swede-Vent™ Conical Neck CST	A
3.75	Swede-Vent™ Standard	A
4.0	Swede-Vent™ Standard	A
4.0	Bio-Vent® X™	A
3.25	Micro-Vent® (3.5 head)	B
3.3	Screw-Vent® (3.5 head)	B
3.5	Bio-Vent® (3.5 head)	B
3.7	Screw-Vent® (3.5 head)	B
3.75	Screw-Vent® (3.5 head)	B
4.3	Core-Vent® (3.5 head)	B
4.25	Micro-Vent® (4.5 head)	C
4.5	Bio-Vent® (4.5 head)	C
4.7	Screw-Vent® (4.5 head)	C
5.3	Core-Vent® (4.5 head)	C
3.7	Tapered Swiss Plus™ (4.8 platform)	S
4.8	Tapered Swiss Plus™	S
4.1	Straight Swiss Plus™	S
4.8	Straight Swiss Plus™	S
3.7	Advent (4.5 platform)	AX
4.7	Advent (4.5 platform)	AX
Zimmer (Calcitek®, Centerpulse)		
3.25	Integral®	E
3.25	Omniloc®	E
3.75	ThreadLoc™	A
4.0	Integral®	D
4.0	Omniloc®	H
3.25	Spline®	J
3.75	Spline®	K
4.0	Spline®	K
Keystone (Lifecore)		
3.75	Restore® Self-tapping Screw	A
4.0	Restore® Self-tapping Screw	A
3.75	Restore® External Hex Screw	A
4.0	Restore® External Hex Screw	A
4.0	Restore® External Hex Cylinder	A
4.2	Sustain® External Hex Cylinder	A
3.75	Sustain® External Hex Screw	A
4.0	Sustain® External Hex Screw	A
4.2	Sustain® External Hex MC Cylinder	A
4.0	Sustain® Internal Bevel	D
3.3	Stage-1™	S
4.0	Stage-1™	S
4.1	PrimaConnex®	AL
IMTEC Corporation®		
3.3	Universal Flare Cylinder	A
3.75	Universal Self-tapping	A
3.75	Universal Self-tapping Coated	A
4.0	Spike Cylinder	A
4.0	Universal Cylinder	A
Minimatic/Stryker		
3.3	External Hex Cylinder	A
3.75	External Hex Screw	A
4.0	External Hex Cylinder	A
4.0	External Hex Screw	A
4.75	External Hex Screw	A
5.0	External Hex Cylinder	A
OIC		
3.0	Osteo Standard ST	A
3.25	Osteo Standard ST	A
3.75	Osteo Standard ST	A
INNOVA		
4.1	ENDOPORE® Ext. Connection	A
4.0	ENTEGRA™ Ext. Connection	A
Bud		
3.25	Bud Screwvent	A
3.75	Bud Screwvent	A
Biolok International		
4.5	Silhouette Screw	A
4.0	Micro-Lok Screw	A
4.0	Micro-Lok Cylinder	A
3.75	Micro-Lok Screw	A
3.3	Micro-Lok Cylinder	A
Implant Direct		
3.5	Legacy	B
4.5	Legacy	C
3.5	RePlant ™	Z
4.3	RePlant™	T
3.7	ScrewPlant	B
4.7	ScrewPlant	C
Dentsply		
3.5	Ankylos	AE
4.5	Ankylos	AE
5.5	Ankylos	AE
3.8	FRIALIT® Plus	AC
3.8	XiVe® Plus	AC
3.8	XiVe® TG Plus	AC
4.5	FRIALIT® Plus	AD
4.5	XiVE® Plus	AD
4.5	XiVE® TG Plus	AD
MIS		
3.3	Internal Hex**	B
3.75	Internal Hex**	B
4.20	Internal Hex **	B
5.0	Internal Hex **	C
** these can be either the Biocom or Seven Implants		
GC Corporation		
3.0	Setio	AM
3.8	Setio	AQ
4.4	Setio	AR
5.0	Setio	AS
3.8	Genesio	AG
4.4	Genesio	AT
5.0	Genesio	AT
Southern Implants		
3.5	Tri-Nex	Z
4.3	Tri-Nex	T
5.0	Tri-Nex	AN
4.0	Oct (4.8 Head)	S
5.0	Oct (4.8 Head)	S
3.75	External Hex RP	A
4.0	External Hex RP	A
5.0	External Hex RP	A
6.0	External Hex RP	A

ERA Micro or Standard Head
ERA Micro Head only
ERA Standard Head only

Sterngold™