



# BONE GRAFTING & REGENERATIVE PRODUCTS CATALOG

2021





# BE A HERO AT YOUR OFFICE BY SAVING TIME AND MONEY WITH **REPLENISH**



**REPLENISH**

**Our REPLENISH program allows you to set up scheduled deliveries for the products your practice uses on a regular basis. Ensure that your practice never runs out of essential items that keep your office running smoothly.**

**The ACE Replenish Program is as easy as 1-2-3**

- 1** SHOP from hundreds of eligible Replenish products
- 2** CHOOSE your delivery frequency, every week, every month, you're in control
- 3** SAVE an additional 3% on all Replenish eligible products

### **Easy to Manage**

Review, revise or skip orders at your convenience through your online account page. There, you can manage your Replenish items, change the quantities, change the frequency or update products. Prior to each delivery, we will send you an email showing the products that will be shipped. Put the Replenish program to work for you today and see how easy it is to save time and money.





## alloOss® Allograft Particulate, Block and Putty

alloOss® Allograft is offered in particulate, block and putty. alloOss is a safe, predictable and effective solution for providing a scaffolding for cell ingrowth and promoting the growth of new bone.

### alloOss® is recommended for:

- Extraction socket preservation
- Ridge and sinus augmentation
- Periodontal defects
- Sinus elevation
- Grafting for implant placement
- Composite sinus grafting

### Natural Allograft Bone

alloOss® mineralized Allograft Particulates and Blocks preserves natural collagen and minerals with the bony structure of allograft. The existence of these natural minerals and collagen facilitate remodeling of the host bone suitable for implantation. alloOss Allograft Putty combines demineralized bone with cancellous bone and an organic based carrier. alloOss products are designed to promote new bone formation.

### Safe and Effective

The complete line of alloOss products have been processed and sterilized to the highest standards set forth by the American Association of Tissue Banks (AATB®) and the U.S. Food and Drug Administration (FDA) regulations. alloOss allograft is obtained and processed in conjunction with AATB accredited tissue banks.

### Tissue Processing

Tissues are processed in accordance with AATB standards and FDA regulations, as well as our own stringent processes, policies and procedures. Operating to these standards allows ACE to provide you with one of the purest, predictable and proven allografts available today.



### Functional Quality Comparison: Cancellous and Cortical

Particulate Qualities	Cancellous	Cortical
Osteoconductive Function	★ ★ ★	★ ★
Space Maintenance	★ ★	★ ★ ★
Density	★ ★	★ ★ ★
Volume Enhancement	★ ★	★ ★ ★

## Cleansing Process for alloOss® Bone



**Phase 1:**  
Stringent screening procedures for donor selection.



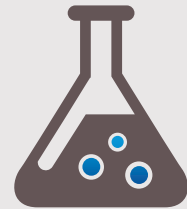
**Phase 2:**  
Initial physical inspection and debridement to eliminate substandard tissue and aseptic placement in canisters, reducing risk of tissue contamination. Tissue is processed via minimal manipulation in cGTP conditions in ISO 5 (Class 100) clean rooms using procedures and screening criteria that meets the requirements of the AATB.



**Phase 3:**  
Cleansing reaches deep within the tissues with a process that sustains consistency. The process, which uses mechanical energy and rotation, is customized based on specific tissue type and weight. Microbiological testing is performed before and after processing to ensure safety of the final product.



**Phase 4:**  
Low dose low temperature irradiation provides the tissue with a Sterility Assurance Level (SAL) of 10-6 without compromising the mechanical integrity of the allograft tissue.



**Phase 5:**  
Full water immersion extraction, as opposed to batch swab, is taken for increased accuracy of microbial presence reading.

AATB® is a registered service mark of the American Association of Tissue Banks.

# alloOss®



alloOss®  
Natural Blend  
Mineralized  
Cortico/Cancellous  
Particulate Syringe

## alloOss® Mineralized Allograft Particulate

alloOss® Allograft Particulates offer the structural strength required to maintain space and volume during the remodeling phase. Used alone or as a composite graft, alloOss Particulates are an effective alternative to intraoral graft harvesting.

- Provides scaffold for cell ingrowth
- Remodels completely
- Predictable Guided Bone Regeneration
- Stabilizes implants after 4-6 months
- Fills voids and extensive bone defects
- Regeneration of periodontal defects

Number	Particle size	Volume	Price	ACE+Plus
<b>alloOss® Mineralized Cancellous Particulate</b>				
01-107-001	250-1000 mic.	0.5cc	\$ 92.79	\$ 74.23
01-107-002	250-1000 mic.	1.0cc	121.29	97.03
01-107-003	250-1000 mic.	2.0cc	194.99	155.99
01-107-101	1000-2000 mic.	0.5cc	92.79	74.23
01-107-102	1000-2000 mic.	1.0cc	121.29	97.03
01-107-103	1000-2000 mic.	2.0cc	194.99	155.99
<b>alloOss® Mineralized Cortical Particulate</b>				
01-160-001	250-1000 mic.	0.5cc	74.29	59.43
01-160-002	250-1000 mic.	1.0cc	97.79	78.23
01-160-003	250-1000 mic.	2.0cc	155.99	124.79
01-160-101	1000-2000 mic.	0.5cc	74.29	59.43
01-160-102	1000-2000 mic.	1.0cc	97.79	78.23
01-160-103	1000-2000 mic.	2.0cc	155.99	124.79
<b>alloOss® Mineralized 50/50 Cortico/Cancellous Particulate</b>				
01-104-000	250-1000 mic.	0.25cc	68.29	54.63
01-104-001	250-1000 mic.	0.5cc	92.79	74.23
01-104-002	250-1000 mic.	1.0cc	121.29	97.03
01-104-003	250-1000 mic.	2.0cc	194.99	155.99
01-104-101	1000-2000 mic.	0.5cc	92.79	74.23
01-104-102	1000-2000 mic.	1.0cc	121.29	97.03
01-104-103	1000-2000 mic.	2.0cc	194.99	155.99

## alloOss® Natural Blend

alloOss® Natural Blend is a perfect blend of both cortical and cancellous bone particles, allowing for a more natural mirroring of the composition of human bone; making it a perfect solution for promoting the growth of new bone.

Number	Particle size	Volume	Price	ACE+Plus
<b>alloOss® Natural Blend Mineralized Cortico/Cancellous Particulate</b>				
01-108-200	500-1000 mic.	0.25cc	\$ 68.29	\$ 54.63
01-108-201	500-1000 mic.	0.5cc	92.79	74.23
01-108-202	500-1000 mic.	1.0cc	121.29	97.03
01-108-203	500-1000 mic.	2.0cc	194.99	155.99
<b>alloOss® Natural Blend Mineralized Cortico/Cancellous Particulate Syringe</b>				
01-108-204	500-1000 mic.	0.5cc	110.99	88.79
01-108-205	500-1000 mic.	0.75cc	129.79	103.83
<b>alloOss® Natural Blend Mineralized/Demineralized Cortico/Cancellous Particulate</b>				
01-109-200	500-1000 mic.	0.25cc	68.29	54.63
01-109-201	500-1000 mic.	0.5cc	92.79	74.23
01-109-202	500-1000 mic.	1.0cc	121.29	97.03
01-109-203	500-1000 mic.	2.0cc	194.99	155.99



## alloOss® Demineralized Allograft Particulate

alloOss® Demineralized Cortical Bone is appropriate for use in any procedure where bone repair is desired. Routine testing for osteoinductivity is performed to ensure the highest quality and efficacy for your regeneration procedures.

- Filling voids and defects
- Augmenting prosthetic implants
- Filling structural allografts
- Increasing osteoinduction



Number	Particle size	Volume	Price	ACE+Plus
<b>alloOss® Demineralized Cortical Particulate</b>				
01-170-001	125-710 mic.	0.25cc	\$ 28.99	23.19
01-170-002	125-710 mic.	0.5cc	49.79	39.83
01-170-003	125-710 mic.	1.0cc	74.79	59.83
01-170-004	125-710 mic.	3.0cc	192.79	154.23

## alloOss® Demineralized Allograft Putty with Cancellous Particulate

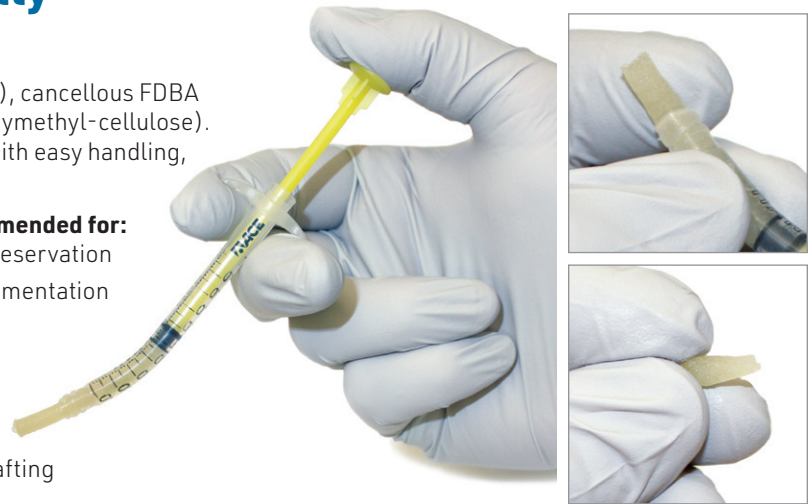
alloOss® Putty is a combination of DBM (demineralized bone matrix), cancellous FDBA (freeze dried bone allograft), and a carrier medium of CMC (carboxymethyl-cellulose). This mixture results in a highly viscous dental bone grafting putty with easy handling, inductive potential and excellent osteoconductive scaffolding.

### Characteristics of alloOss® Putty

- Bone procured from AATB® accredited source
- High osteoconductive ability
- Forms freely and is completely moldable
- High viscosity
- Osteoinductive ability
- Excellent biocompatibility

### alloOss® Putty is recommended for:

- Extraction socket preservation
- Ridge and sinus augmentation
- Periodontal defects
- Sinus elevation
- Grafting for implant placement
- Composite sinus grafting



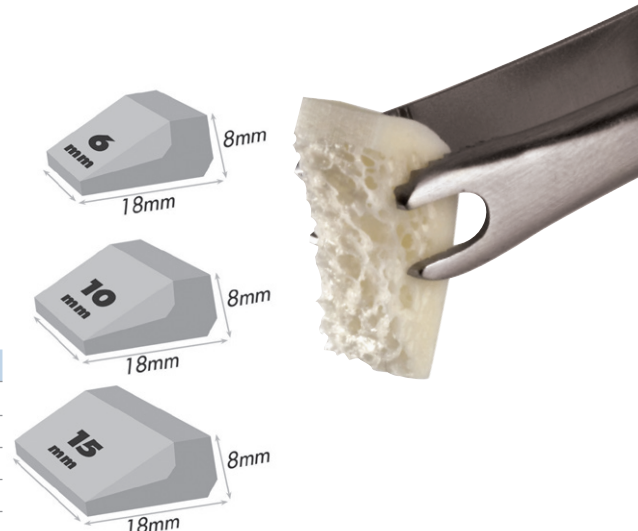
Number	Particle size	Volume	Price	ACE+Plus
<b>alloOss® Demineralized Putty with Cancellous Particulate</b>				
01-105-001	150-850 mic.	0.3cc	\$ 94.29	\$ 75.43
01-105-002	150-850 mic.	0.5cc	124.29	99.43
01-105-003	150-850 mic.	1.0cc	223.79	179.03

## alloOss® Block Graft

A cortico/cancellous block for restoring bone volume in severely resorbed ridges without the harvesting of autogenous block graft from the patient.

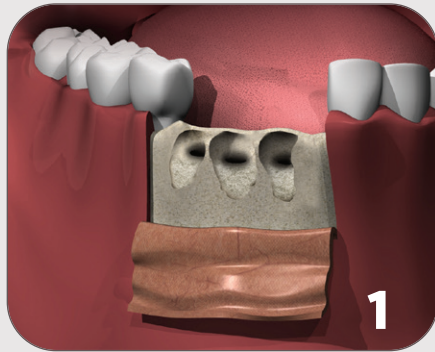
- Approximate healing in 5-6 months
- Maintains strength and volume with predictable remodeling
- Cancellous component for rapid healing and revascularization of host bone to the new graft
- Cortical component for strength and rigidity of the graft with volume enhancement

Number	Description	Block Size	Price	ACE+Plus
<b>alloOss® Block Graft</b>				
01-241-006	Cortico Cancellous Block	18 x 6 x 8mm	\$574.79	\$459.83
01-241-010	Cortico Cancellous Block	18 x 10 x 8mm	666.79	533.43
01-241-015	Cortico Cancellous Block	18 x 15 x 8mm	746.99	597.59

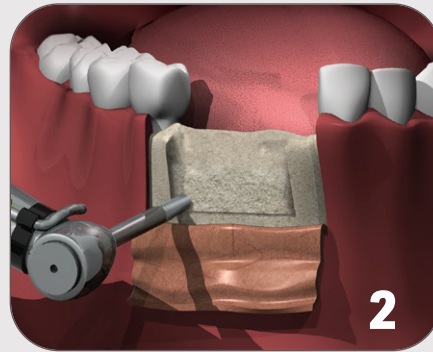


# Alveolar Augmentation with Buccal Dehiscence Block Graft

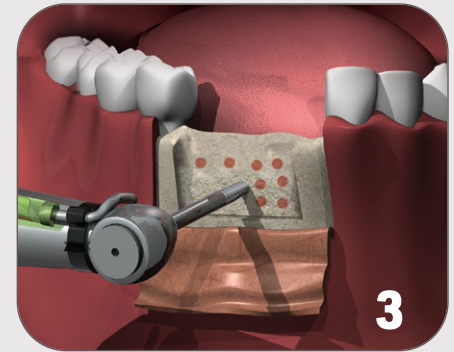
Using alloOss® Allograft Block, ACE Surgical Instruments and TruFIX TruSCREWS



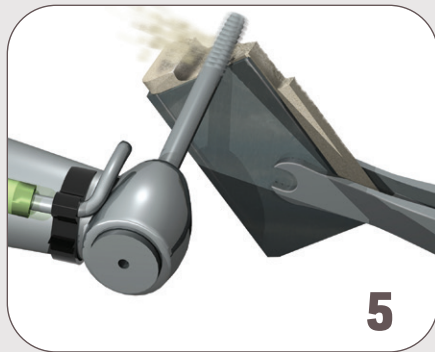
1 Loss of alveolar bone volume, with buccal wall dehiscence, subsequent to tooth loss.



2 Create inlay in recipient site for future block graft, using fissure or round burs.



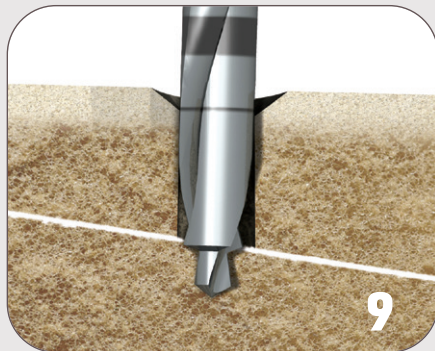
3 Create bleeding holes of 0.8 to 1.1 mm diameter in floor of inlay preparation.



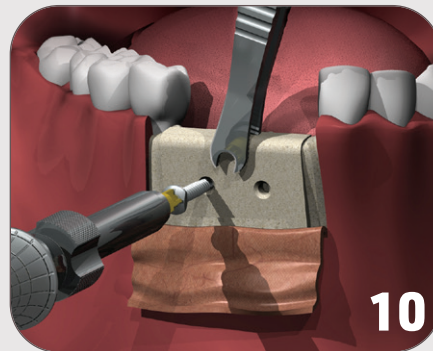
5 Using a bone holding forceps (96-000-26 p.72), hold the block with the guide in place and trim the bone graft to its final size. Smooth out any rough edges.



6 Use the Contra Angle Two-Step Countersink Bur (454-40203 p.26) to make the screw access hole through the graft to the 1.6mm diameter portion of the block graft. (See step 7 for a detailed view).



9 Carefully use the 1.1mm Pilot Twist Drill (454-40202 p.26) to create ONLY an 0.8mm deep pilot hole into the host bone.



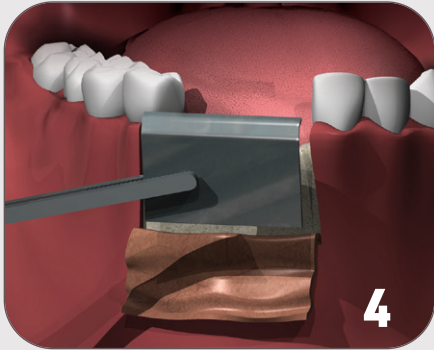
10 Place the appropriate length, 1.5mm diameter TruFIX TruSCREWS through the graft holes. The screw head should tighten on the graft outer cortex, the screw threads engaging only the recipient site bone. The channel through the graft must NOT be touched by the screw threads (see step 11 for a detailed view).



The procedures and techniques presented throughout this catalog are intended to provide basic reference only and should not be substituted for the complete surgical procedure being performed by a licensed practitioner. A complete understanding and execution of the techniques and procedures presented within this catalog are the full

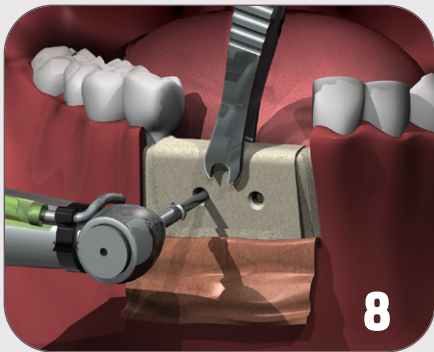
responsibility of the licensed practitioner. These procedures and techniques are NOT TO BE SUBSTITUTED for the practitioner's complete knowledge, education, experience or for any instrumentation or product instruction for use.





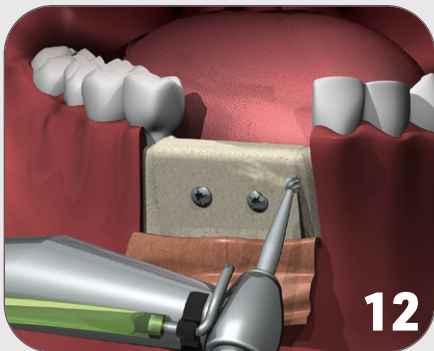
4

Make a template of inlay site using titanium or aluminum foil to create outline for graft.



8

Hold the block graft with the forceps in intimate contact with the inlay recipient site. Use the 1.1mm Pilot Twist Drill (454-40202 p.26) to create a pilot hole in the host bone site. (See step 9 below for a detailed view).



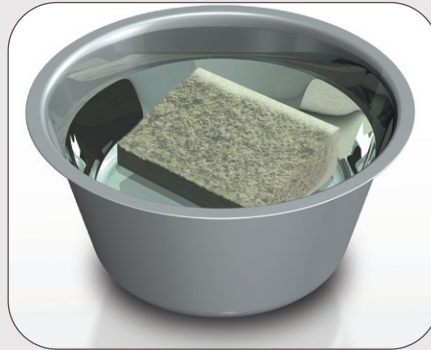
12

Care is taken to smooth all sharp edges to avoid tissue dehiscence.

**OPTION:** Fill in any voids with autogenous bone, NuOss or alloOss® and cover with a resorbable collagen membrane.

## Hydrating alloOss® Block

Pre-soak alloOss Block in 0.9% Sodium Chloride (Sterile Saline)

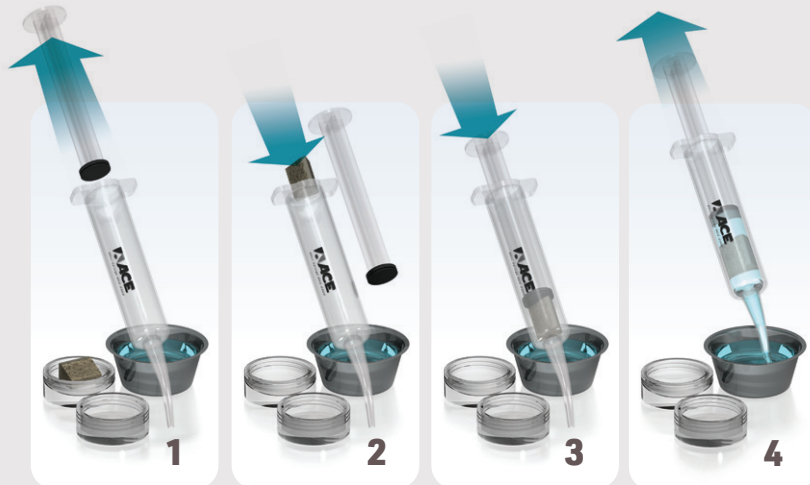


**Prep Time: 30 minutes**

- Pour 0.9% Sodium Chloride (Sterile Saline) into a sterilized instrument cup (053-1007) halfway or high enough to cover the block.
- Place the alloOss Block into the sterile saline and soak for 30 minutes.

## Quick Hydration Technique

Using a 20cc Hydrating Syringe and 0.9% Sodium Chloride (Sterile Saline)



**Prep Time: 3-5 minutes**

1. Remove the plunger from a sterile 20cc syringe (003-4302).
2. Place alloOss bone block into syringe.
3. Replace the syringe plunger.
4. Pull the plunger to draw the sterile saline into the syringe, fill halfway. Purge the air out of the syringe.
5. Create pressure by pressing the plunger while the syringe tip is held firmly against the bottom of the bowl, or against a gloved finger. Maintain pressure for approximately 3-5 minutes.
6. Remove the block from the syringe and place it into a bowl of Sodium Chloride until ready to use.

**Osteocel®  
Plus**




## Osteocel® Plus: Cellular Allograft Bone Matrix

Osteocel® Plus mimics the biological profile of autograft. The proprietary processing technology used to produce Osteocel® Plus results in a viable bone matrix that preserves the native Mesenchymal Stem Cells (MSCs) and Osteoprogenitors found in marrow-rich bone. It is the first product to have the desired beneficial osteoconductive, osteoinductive and osteogenic properties of autograft. Osteocel® Plus allows surgeons to offer a complete solution without the added risk and cost of performing a secondary autograft procedure.

### Osteocel® Plus provides all 3 components for bone formation:

- **Osteoconductivity:** Mineralized cancellous scaffold
- **Osteoinductivity:** Endogenous osteogenic growth factors, including BMP's
- **Osteogenicity:** Viable MSCs and osteoprogenitor cells

### Bone Formation

MCSs contained in Osteocel® Plus are capable of differentiating into bone-forming cells (osteoblasts).<sup>4</sup> Every lot of Osteocel® Plus is tested for bone-forming potential.

**Osteocel® Plus grafts have been used in over 225,000 procedures since 2005, with no reported adverse events.<sup>1</sup>**

### Low Immunogenicity

Mesenchymal stem cells are immune privileged cells that do not stimulate a cellular immune response. Osteocel® Plus does not activate T cell proliferation, as shown in vitro from Mixed Lymphocyte Reaction (MLR) testing.<sup>2</sup>

### Histologic Evidence

Histology from a human sinus augmentation study using Osteocel® Plus shows high vital bone content at 16 weeks, with very low residual graft material.<sup>3</sup>

### Important Ordering Details

Due to the nature of the product, the order and delivery of Osteocel® Plus needs to be carefully coordinated. Osteocel® Plus is not available for purchase online. Osteocel® Plus requires Priority Shipping and Handling, which is in addition to prices shown. Please call ACE Surgical for ordering details.

### Footnote References

- 1 As of March 2017. Data on file with NuVasive®, Inc.
- 2 Mesenchymal Stem Cells Avoid Allogeneic Rejection. – Ryan, Barry, Murphy, Mahon. – Journal of Inflammation, July 2005
- 3 Histologic Evaluation of a Stem Cell Based Sinus Augmentation Procedure: A Case Series. – McAllister, Haghigat, Gonshor. – Journal of Perio., April 2009
- 4 Data on file with NuVasive, Inc.
- 5 Data on file with Osiris Therapeutics

### Viable Cell Content

Each lot is tested for cell concentration, cell viability, and cell activity (osteogenic potential). The osteogenic potential arises from the mesenchymal and osteoprogenitor cells in Osteocel® Plus. Following processing of marrow-rich bone, release testing demonstrates osteogenic potential according to the following criteria:

- Rich supply of osteopotent cells: Greater than 250,000 cells/cc
- Viability: Greater than 70% cell viability
- Positive osteogenicity: In vitro cell culture assay

### Safety Profile

- Aseptic tissue processing.
- Antimicrobial treatment of tissue.
- Sterility cultures performed on every lot.
- Selective immunodepletion process.
- No evidence of ectopic tissue formation or inflammatory cellular response with experimental high doses of MSCs cells.<sup>5</sup>

### Donor Testing

- Hepatitis B Surface Antigen
- Hepatitis B Core Antibody
- Hepatitis C Virus Antibody
- Hepatitis C Nucleic Acid Test
- HIV-1 and 2 Antibody
- HIV-1 Nucleic Acid Test
- Human T-Lymphotropic Virus Antibody I/II
- Syphilis (Treponema Pallidum)

### Donor Screening

- Medical and social history evaluation.
- Physical examination.
- Medical record evaluation, including autopsy report (if performed).
- Licensed physician review and release of every donor record.

### Quality Assurance

- GTP compliant according to FDA regulations.
- All applicable state licensure / registrations.
- AATB Accreditation

Number	Description / Vial Volume	Price	ACE+Plus
<b>Osteocel® Plus</b>			
509-0103	Osteocel® Plus 1cc Vial	\$ 722.99	\$ 614.54
509-0081	Osteocel® Plus 5cc Vial	3,255.29	2,767.00

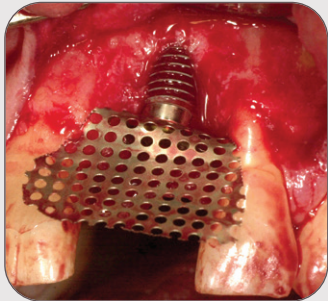
Osteocel® and Osteocel® Plus are federally registered trademarks of NuVasive, Inc.



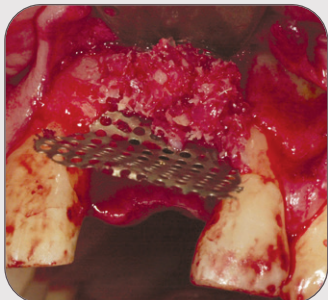


**Clinical Case:**

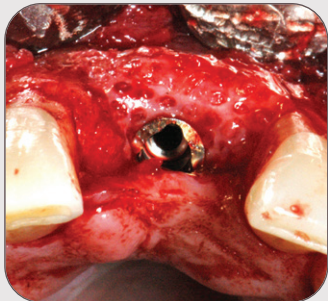
**Ridge Augmentation Using Osteocel® Plus Cellular Bone Matrix**



Before: exposed implant



Bone graft in place prior to mesh fixation

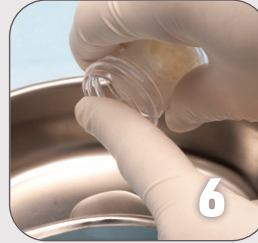


After: Mesh removal 4 months after bone graft placement

For more information and case studies about Osteocel Plus, please visit our web site at:

[www.acesurgical.com/osteocelplus](http://www.acesurgical.com/osteocelplus)

**Osteocel® Plus Preparation**



1. Upon obtaining Osteocel® Plus from frozen storage, remove peel pack from protective covering. Note: Osteocel Plus cannot be refrozen.
2. Designated person opens sterile peel pack utilizing standard sterile technique.
3. A sterile scrub person removes the Osteocel® Plus container from the peel pack without compromising sterility.
4. The Osteocel® Plus container is placed into a basin of saline at physiological temperature (95-102°F / 35-39°C). Depending on size of container, Osteocel® Plus will take 15-20 minutes to thaw. It can also be thawed at ambient temperature for 1 hour.  
**Note:** Do not warm above 102°F/39°C.
5. Once thawed, Osteocel® Plus will be at the bottom of the container with the cryopreservation cell saving liquid on the top.
6. The cryopreservation cell saving liquid should be decanted and discarded.
7. Add sterile saline to fully immerse Osteocel® Plus. Osteocel® Plus can be maintained in saline for up to 4 hours.
8. Pour off saline prior to use. Do not allow the cells to dry out. Osteocel® Plus is now ready for use.

**Consider the Benefits of an In-Office Cryogenic Freezer Program**

- Save on Osteocel® Plus shipping charges
- Maximize treatment planning options
- Safely store Osteocel® Plus for up to 5 years
- Fits under counter-tops
- Inquire for complete program details

**Freezer Storage Specifications:**

- Temperature: -50° to -122°F (-45° to -86°C)
- Dimensions: 29" h x 20" w x 22" d
- Capacity: 1 Cubic Foot Storage





## NuOss® Xenograft Particulate

### A Reliable Bone Substitute Used by Dental Professionals Worldwide

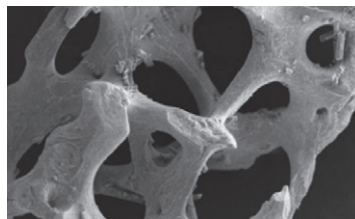
NuOss® natural cancellous and cortical bone matrix is produced by the removal of all organic components from bovine bone. Due to its natural porous structure, NuOss is physically and chemically comparable to the mineralized matrix of human bone. The proprietary manufacturing process of NuOss allows for maintenance of the naturally occurring bone mineral structure, including macroscopic and microscopic structures. Due to this trabecular architecture with interconnecting macro and micro pores, the ingrowth of new bone and associated vascularization at the grafting site is optimized.

NuOss may be used with autogenous bone where there is an insufficient quantity of bone to fulfill the needs of the proposed surgical procedure.

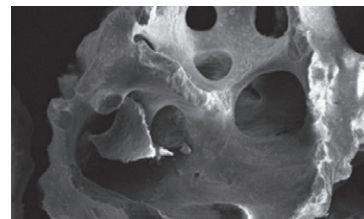
#### NuOss® Particulate is recommended for:

- Augmentation or reconstructive treatment of the alveolar ridge.
- Filling of infrabony periodontal defects.
- Filling of defects after root resection, apicoectomy, and cystectomy.
- Filling of extraction sockets to enhance preservation of the alveolar ridge.
- Elevation of the maxillary sinus floor.
- Filling of periodontal defects in conjunction with products intended for Guided Tissue Regeneration (GTR) and Guided Bone Regeneration (GBR).
- Filling of peri-implant defects in conjunction with products intended for Guided Bone Regeneration (GBR).

NuOss® 50x magnification



Bio-Oss® 50x magnification



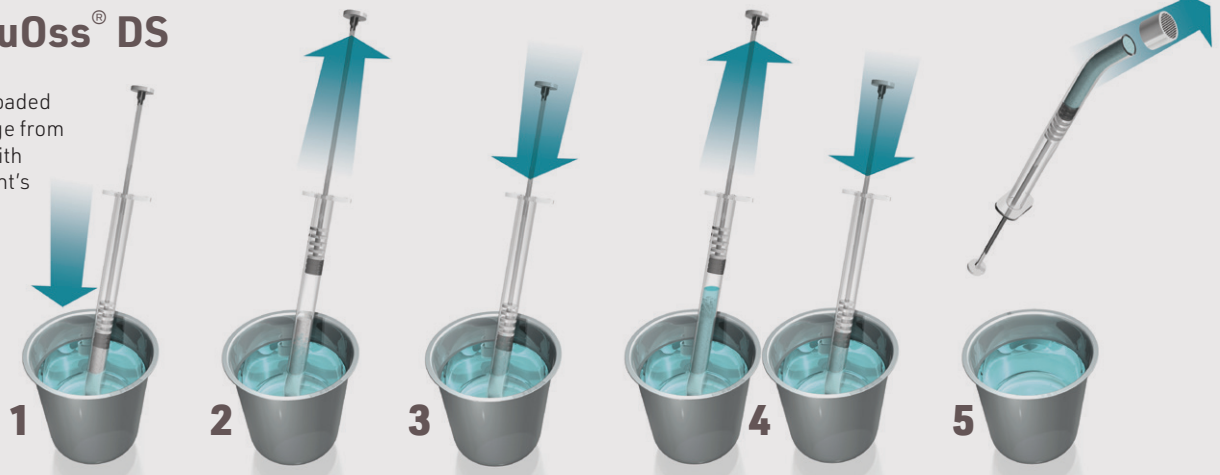
NuOss® is a registered trademark of ACE Surgical.

NuOss® is manufactured for ACE Surgical.

Bio-Oss® is a registered trademark of ED. Geistlich Söhne AG.

### Hydrating NuOss® DS

Remove the sterile pre-loaded NuOss® in Delivery Syringe from packaging and hydrate with osseous coagulum, patient's blood, or sterile saline.





## NuOss® Particulate

### NuOss® Particulate Features:

**Handling:** The structure of NuOss aids in particle hydration and delivery of the product to the defect.

**Particle Distribution:** NuOss maximizes the distribution of the preferred particle sizing within desired ranges.

**Particle Structure and Porosity:** NuOss maintains the high porosity and trabecular structure of natural mineralized bone and maximizes the potential for angiogenesis.<sup>1</sup>



Holds together when hydrated for ease of handling

Number	Particle Size	Vial Size / Volume	Price	ACE+Plus
<b>NuOss® Cancellous Particulate</b>				
509-9001	250-1000 mic.	0.25gram / 0.6cc	\$ 82.79	\$ 66.23
509-9002	250-1000 mic.	0.5gram / 1.2cc	133.29	106.63
509-9003	250-1000 mic.	1.0gram / 2.4cc	223.29	178.63
509-9004	250-1000 mic.	2.0gram / 4.7cc	387.49	309.99
<b>NuOss® Large Cancellous Particulate</b>				
509-9102	1000-2000 mic.	0.5gram / 1.7cc	133.29	106.63
509-9104	1000-2000 mic.	2.0gram / 6.8cc	387.49	309.99
<b>NuOss® Cortical Particulate</b>				
509-1001	500-1000 mic.	0.25gram / 0.4cc	82.79	66.23
509-1002	500-1000 mic.	0.5gram / 0.8cc	133.29	106.63
509-1003	500-1000 mic.	1.0gram / 1.6cc	223.29	178.63
509-1004	500-1000 mic.	2.0gram / 3.2cc	387.49	309.99



## NuOss® DS

### NuOss® DS Features:

**Particulate:** NuOss® DS features our best-selling small particle NuOss® cancellous.

**Delivery Syringe:** The preloaded NuOss Delivery Syringe makes it easier to hydrate and place the graft material, minimizing preparation time and particulate migration at the surgical site.

Number	Particle Size	Syringe Volume	Price	ACE+Plus
<b>NuOss® DS Delivery Syringe</b>				
509-9025	250-1000 mic.	0.25cc	\$65.29	\$52.23
509-9050	250-1000 mic.	0.50cc	94.29	75.43



- 1 With the perforated cap left on the syringe, immerse the tip of the syringe in the hydrating fluid.
- 2 Pull up on the plunger to draw the fluid into the syringe
- 3 With syringe pressed against bottom of basin, push down on the plunger to expel excess fluid/air.
- 4 This pull and push action should be repeated 3 times or until the material is fully hydrated.
- 5 Remove the perforated cap and deliver the hydrated particulate to the defect site.

The procedures and techniques presented throughout this catalog are intended to provide basic reference only and should not be substituted for the complete surgical procedure being performed by a licensed practitioner. A complete understanding and execution of the techniques and procedures presented within this catalog are the full responsibility of the licensed practitioner. These procedures and techniques are NOT TO BE SUBSTITUTED for the practitioner's complete knowledge, education, experience or for any instrumentation or product instruction for use.



1. Klenke FM, Liu Y, Yuan H, Hunziker EB, Siebenrock KA, Hofstetter W. Impact of pore size on the vascularization and osseointegration of ceramic bone substitutes in vivo. J Biomed Mater Res A. 2008 Jun 1;85(3):777-86.



## NuOss® Collagen

Just like NuOss® particulate, naturally structured NuOss Collagen combines the mineral properties of cancellous particulate with the space maintenance of collagen. This highly manageable combination provides a convenient approach to filling periodontal and maxillofacial defects. With NuOss Collagen products, there is no mixing or loose handling.

### NuOss® Collagen is recommended for:

- Elevation of the maxillary sinus floor.
- Filling of infrabony periodontal defects.
- Augmentation or reconstructive treatment of the alveolar ridge.
- Filling of defects after root resection, apicoectomy, and cystectomy.
- Filling of extraction sockets to enhance preservation of the alveolar ridge.
- Filling of periodontal defects in conjunction with products intended for Guided Tissue Regeneration (GTR) and Guided Bone Regeneration (GBR).
- Filling of peri-implant defects in conjunction with products intended for Guided Bone Regeneration (GBR).

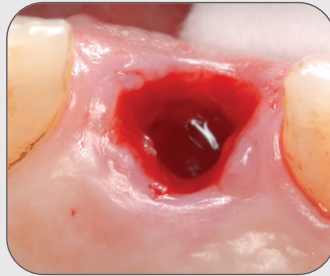
### Guided Bone Regeneration

Using NuOss® Collagen Block around the exposed implant.



### Guided Bone Regeneration

Using NuOss® XC Socket.



Atraumatic tooth extraction without flap reflection. Note: Maintain intact bony walls of the extraction socket and preserve gingival anatomy.



NuOss® XC Socket self expanding composite is easily inserted directly into extraction site using the product's self-contained delivery syringe.



Upon contact with blood, NuOss® XC expands to fill the entire defect.

**NuOss® Plug** NEW!

**Anorganic Bovine Bone with Collagen**

**NuOss® Plug Features:**

NuOss® Plug: Designed to aid in filling extraction sites to enhance preservation of the alveolar ridge. NuOss Plug is easy to place and prevents particulate migration once placed into the surgical site.



NEW!



Number	Description / Block Size	Quantity	Price	ACE+Plus
<b>NuOss® Plug</b>				
509-4001	9 x 15mm Tapered	5 plugs	\$264.99	\$211.99
509-4002	10 x 20mm Straight	5 plugs	274.99	219.99

**NuOss® Collagen Block**

**Anorganic Bovine Bone with Collagen**

**NuOss® Collgen Block Features:**

NuOss® Collagen Block: Available in 3 sizes, NuOss Collagen can be easily trimmed to shape the defect. Hydration can be done prior to insertion or once it has been placed.



Number	Description / Block Size	Volume	Price	ACE+Plus
<b>NuOss® Collagen</b>				
509-9100	6 x 7 x 8mm	(100mg approx.)	\$ 94.29	\$ 75.43
509-9250	8 x 9 x 9mm	(250mg approx.)	176.29	141.03
509-9500	10 x 11 x 12mm	(500mg approx.)	293.79	235.03

**NuOss® XC**

**Sinus and Socket Expanding Composite**

**NuOss® XC Features:**

Expansion: Expanding composite material allows for placement in a compressed form. Upon hydration/contact with blood, the material will self-expand to fill the entire defect.

NuOss XC Socket: Preshaped and ready to place directly into the extraction cavity.  
 NuOss XC Sinus: Upon successful elevation of the sinus membrane, NuOss XC Sinus is placed without pre-hydration, into the sinus cavity.



**NuOss XC Socket**



Expanded  
Compressed

Number	Size	Price	ACE+Plus
<b>NuOss® XC Socket</b>			
509-2001	6 x 15mm expanded state	\$ 88.79	\$ 71.03
509-2002	9 x 15mm expanded state	141.79	113.43
<b>NuOss® XC Sinus</b>			
509-3001	17 x 10mm expanded state	141.79	113.43
509-3002	22 x 12mm expanded state	229.29	183.43

**NuOss XC Sinus**



Expanded  
Compressed



# CaSO<sub>4</sub>

## CaSO<sub>4</sub> Calcium Sulfate Hemihydrate

CaSO<sub>4</sub> is one of the first bone materials ever used in a grafting procedure and maintains a safety record dating back more than 100 years. CaSO<sub>4</sub> is considered one of the clinician's first choices among synthetic bone grafting materials. ACE Calcium Sulfate is sterile, highly purified and continues its bioactivity through the entire healing process. CaSO<sub>4</sub> is totally resorbed at the completion of the healing period.

**Features**

- Osteoconductive
- Inhibits non-osteogenic cells
- Promotes wound healing
- Completely resorbable
- Easy to set-up
- Easy to handle
- Easy to place
- Cost effective
- Combines well with ACE bone grafting particulate

**CaSO<sub>4</sub> is recommended for:**

- Periodontal defects
- Extraction sites
- Socket preservation
- Sinus augmentation

**CaSO<sub>4</sub> Kit Contents**

- 0.5 gram or 1.0 gram Calcium Sulfate Powder in a sterile mixing dish
- Regular Set Liquid



Number	Description / Volume	Price	ACE+Plus
<b>CaSO<sub>4</sub> Kit</b>			
505-2002	CaSO <sub>4</sub> Calcium Sulfate 0.5 Gram	\$41.79	<b>\$35.52</b>
505-2001	CaSO <sub>4</sub> Calcium Sulfate 1.0 Gram	49.29	<b>41.90</b>

# synOss™ Synthetic Bone Particulate



synOss™ Synthetic Mineral is an osteoconductive calcium phosphate based bone graft material with a carbonate apatite structure similar to the structure of human bone.

**synOss™ is recommended for:**

- Augmentation or reconstructive treatment of alveolar ridge
- Filling of periodontal defects and after root resection/hemisection, apicoectomy, and cystectomy
- Filling of extraction sockets to enhance preservation of the alveolar ridge
- Elevation of maxillary sinus floor
- Filling of periodontal defects in conjunction with products intended for GTR and GBR
- Filling of peri-implant defects in conjunction with products intended for Guided Bone Regeneration
- Filling of infrabony periodontal defects

**Material Composition**

- The material composition is calcium phosphate in a carbonate apatite structure. The product is supplied in granular form, and is sterile, non-pyrogenic, and for single use only.



Product	synOss	NuOss®
Calcium (wt%)	33.5 ± 2.1	36.3 ± 3.7
Phosphate (wt%)	46.7 ± 0.7	49.2 ± 2.1
Calcium (mM/kg)	8428 ± 569	9065 ± 940
Phosphate (mM/kg)	5905 ± 92	6225 ± 276
*Ca/P Ratio	1.43 ± 0.07	1.45 ± 0.09

\*Results represent an average of 2 measurements ± S.D.

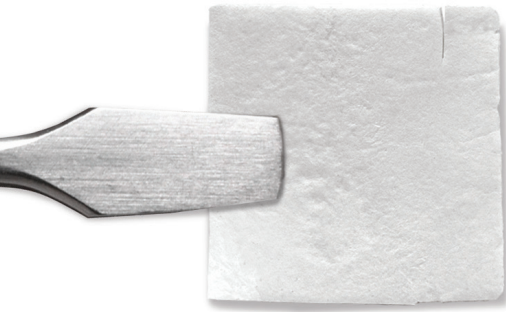
Number	Weight/Volume	Particle Size	Price	ACE+Plus
<b>synOss™</b>				
509-5000	0.25 gram / 0.5cc	0.35-1.0mm	\$ 71.29	\$ 60.60
509-5100	0.5 gram / 1.0cc	0.35-1.0mm	106.29	90.35
509-5200	1.0 gram / 2.0cc	0.35-1.0mm	194.29	165.15
509-5300	2.0 gram / 3.5cc	0.35-1.0mm	340.29	289.25



# alloguide<sup>®</sup> gf

## alloguide GF - Growth Factor

AlloGuide<sup>®</sup> GF is a lyophilized placental membrane that preserves its endogenous growth factors associated with the repair of oral wounds. AlloGuide GF is an ideal membrane to support Guided Tissue Regeneration (GTR) and Guided Bone Regeneration (GBR) dental procedures as it retains the high levels of regenerative growth factors naturally present in the placental membrane.



### The GF stands for Growth Factor

Placental Tissue is a rich source of extracellular matrix proteins and growth factors that have been shown to be involved in the natural wound repair process<sup>1</sup> and is commonly used in a wide array of therapeutic applications, including wound care and orthopedics.<sup>2,3</sup> The processing and preservation of the placental tissue allograft will influence the preservation of those growth factors.<sup>4,5</sup>

### AlloGuide<sup>®</sup> GF is recommended for:

- Extraction socket preservation
- Ridge and sinus augmentation
- Periodontal defects
- Sinus elevation
- Grafting for implant placement

### AlloGuide<sup>®</sup> GF Safety:

- AATB<sup>®</sup> standards, FDA regulations and stringent internal processes, policies and procedures
- Processed under aseptic conditions
- Sterility testing performed on every lot

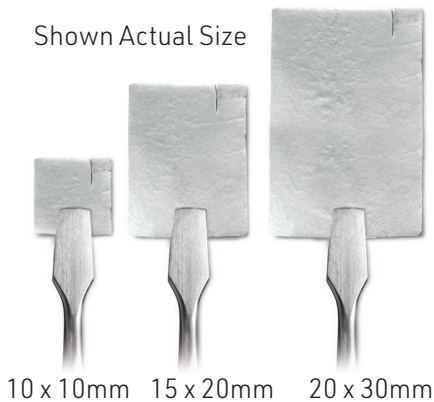
### A Sampling of the Preserved Growth Factors<sup>6</sup>

Growth Factor	Present	Growth Factor	Present
BDNF	✓	HGF	✓
bFGF	✓	OPG	✓
FGF	✓	PDGF	✓
BMP-4	✓	SCF	✓
BMP-5	✓	TGF	✓
BMP-7	✓	TGFβ-3	✓
EGF	✓	VEGF	✓

### AlloGuide<sup>®</sup> GF Processing:

- AlloGuide GF is processed using a proprietary freeze-drying solution during lyophilization
- Preserves protein structures and maintains bioactive capabilities of all the important wound healing elements in the placental tissue
- Preserves the extracellular matrix
- Maintains the natural tissue thickness
- Provides excellent handling characteristics that allow for ease of application.

Shown Actual Size



10 x 10mm    15 x 20mm    20 x 30mm

### Characteristics of AlloGuide<sup>®</sup> GF:

- Preserves protein structures and maintains bioactive capabilities of important wound healing elements of placental tissue
- Preserves extracellular matrix
- Maintains natural tissue thickness
- Excellent handling and ease of application.

### References

- 1 Chopra and Thomas 2013. J Biomim Biomater and Tissue Eng
- 2 Brantley and Verla 2015. Advances in Wound Care
- 3 Heckmann et al 2016. American Journal of Orthopedics
- 4 McQuilling et al 2017. Wounds
- 5 Paolin et al 2016. Cell Tissue Bank
- 6 Data on File



Number	Description - Size	Price	ACE+Plus
<b>AlloGuide<sup>®</sup> GF Membrane</b>			
125-1010	AlloGuide <sup>®</sup> GF 10 x 10mm, each	\$ 80.99	\$ 68.84
125-1520	AlloGuide <sup>®</sup> GF 15 x 20mm, each	163.79	139.22
125-2030	AlloGuide <sup>®</sup> GF 20 x 30mm, each	255.49	217.17



# MemGuide Resorbable Porcine Membrane

**NEW!**

MemGuide Porcine Dental Membrane is a non-pyrogenic porcine derived dental barrier membrane. MemGuide is sourced from porcine peritoneum which is a naturally thicker membrane than porcine small intestine submucosa<sup>1</sup>. The profile of MemGuide results in outstanding handling characteristics. MemGuide retains Growth Factors VEGF and TGF.<sup>2</sup> VEGF and TGFβ are known to be key contributors to tissue repair.<sup>3</sup> The Growth Factors in porcine peritoneum share homology with human growth factors which can induce response in human cells<sup>4-6</sup>. MemGuide is fully resorbable, eliminating the need for a second surgical procedure and is fully resorbable with a 6-month resorption profile.

**Features:**

- Fully Resorbable with a resorption time of 6 months
- Guides healing and regeneration of bone and surrounding tissue
- Place and trim in a hydrated or dry state
- May be sutured when required
- Available in 3 convenient sizes
- Packaged Sterile in a pouch in pouch configuration
- Store at Room Temperature. 3-year Shelf Life

**Advantages:**

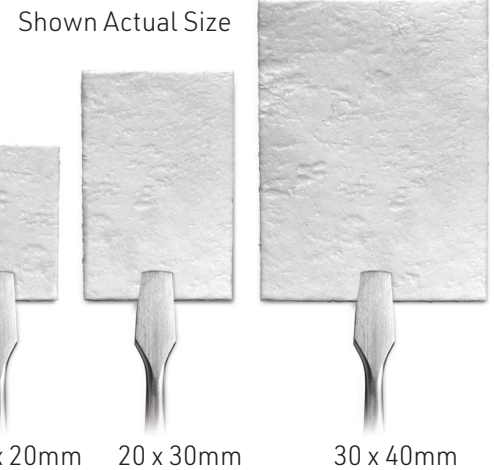
- Fully Resorbable - No second surgery required for removal
- Long Resorption Time for sustained function during bone repair
- Flexible clinical procedure allows for Trimming and Placing in Hydrated or dry state
- Excellent handling characteristics
- Endogenous extracellular matrix proteins and growth factors are preserved<sup>3,7</sup>
- Porcine growth factor share homology with human growth factors can induce response in human cells.<sup>4-6</sup>

**MemGuide is indicated for:**

- Simultaneous use of GBR-membrane and implants
- Augmentation around implants placed in immediate extraction sockets
- Augmentation around implants placed in delayed extraction sockets
- Localized ridge augmentation for later implantation
- Alveolar ridge reconstruction for prosthetic treatment
- Filling of bone defects after root resection, cystectomy, removal of retained teeth
- Guided bone regeneration in dehiscence defects
- Guided tissue regeneration procedures in periodontal defects

**References**

- 1 Shi and Ronfard Int J Burns Trauma. 2013; 3(4): 173-179.
- 2 Hoganson, et al, Biomaterials. 2010 (27): 6934-40.
- 3 Chopra and Thomas J Biomim Biomatter and Tissue Eng. 2013 18(1)
- 4 Stroobant and Waterfield. The EMBO Journal 1984 3(12).2963-2967
- 5 Taylor Journal of Leukocyte Biology 2009. 85
- 6 Holmes and Zachery Genome Biology 2005. 6(2) Article 209
- 7 Luo et al Journal of Biomedical Materials Research B: Applied Bio Materials 2015



Number	Description - Size	Price	ACE+Plus
<b>MemGuide Resorbable Porcine Membrane</b>			
735-1520	MemGuide Membrane 15 x 20mm, each	\$134.49	\$114.32
735-2030	MemGuide Membrane 20 x 30mm, each	165.79	140.92
735-3040	MemGuide Membrane 30 x 40mm, each	267.29	227.20



## conFORM Resorbable Collagen Membrane

conFORM is a resorbable collagen membrane matrix made from Type I bovine collagen. Its pliable characteristics and predictable resorption time of 3-4 months make it an ideal membrane for guiding the healing of bone and surrounding tissue. When hydrated, conFORM will naturally adapt to surgical defects and maintain a high tensile strength, which makes it the ideal membrane for suturing.

With its in vivo stability, permeability and mechanical strength, conFORM is a reliable choice for various clinical applications. When used in conjunction with a bone grafting particulate, conFORM can help mitigate the migration of the particulate from the surgical site. Its resorbability eliminates the need for surgical removal. conFORM is packaged sterile, non-pyrogenic, and for single use.

### conFORM is typically used in:

- Ridge augmentation
- Bone regeneration around implants
- Sinus lift
- Periodontal defects
- Apical root resection
- Extraction sites

### Features

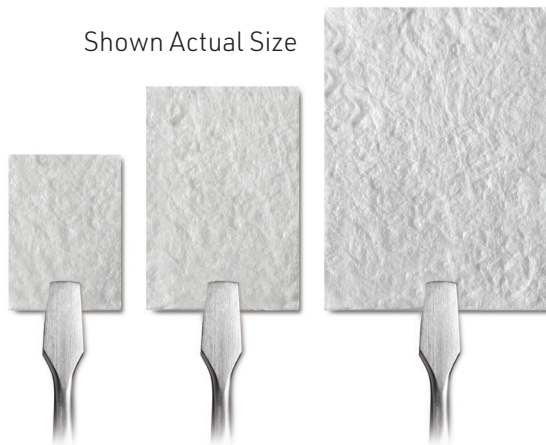
- White, non-friable membrane matrix engineered from highly purified Type I Collagen
- Fully resorbable with a predictable resorption time of 3-4 months
- Guides healing and regeneration of bone and surrounding tissue
- Unique fiber orientation provides high tensile strength for in situ stability of membrane
- Cell occlusive, designed to retard and/or prevent epithelium down growth

### Advantages

- Conforms to surgical site without re-shaping
- Easy to handle, does not adhere to itself
- Sufficient resorption time for sustained function in bone repair
- Can easily be trimmed during surgery for a final fit
- May be placed with either side against the tissue or bone



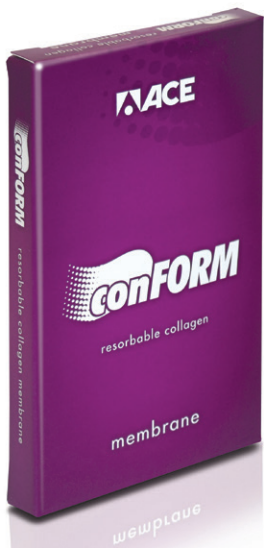
Shown Actual Size



15 x 20mm

20 x 30mm

30 x 40mm



Number	Description - Size	Price	ACE+Plus
<b>conFORM Resorbable Collagen Membrane</b>			
509-1520	conFORM Membrane 15 x 20mm, each	\$134.49	\$114.32
509-2030	conFORM Membrane 20 x 30mm, each	165.79	140.92
509-3040	conFORM Membrane 30 x 40mm, each	267.29	227.20

## RCM<sup>6</sup> Resorbable Collagen Membrane



RCM<sup>6</sup> Resorbable Collagen Membrane allows you to guide healing and regeneration of bone and surrounding tissue within your time frame. RCM<sup>6</sup> is intended to aid in the wound healing process within oral surgical procedures, such as dental implants, bone defects, periodontal defects and ridge augmentations. When used in conjunction with a bone grafting particulate, RCM<sup>6</sup> can help mitigate the migration of the particulate from the surgical site. RCM<sup>6</sup> is packaged sterile, non-pyrogenic, and for single use. Its resorbability eliminates the need for surgical removal.

### RCM<sup>6</sup> is typically used in:

- Ridge augmentation
- Bone regeneration around implants
- Sinus lift
- Periodontal defects
- Apical root resection
- Extraction sites

### Features

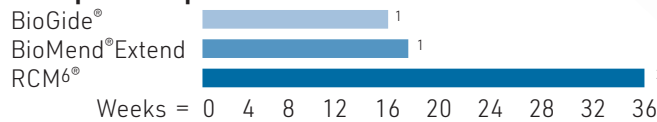
- White, non-friable membrane matrix engineered from highly purified Type I Collagen
- Fully resorbable with a resorption time of up to 6 months
- Guides healing and regeneration of bone and surrounding tissue
- Unique fiber orientation provides high tensile strength for in situ stability of membrane
- Cell occlusive, designed to retard and/or prevent epithelium down growth

### Advantages

- Long resorption time, for sustained function in bone repair
- High mechanical strength for membrane stabilization
- Each piece can be easily trimmed during surgery for a final fit
- May be placed with either side against the tissue or bone



### Resorption Comparison\*



\* Approximate *in vivo* resorption time.

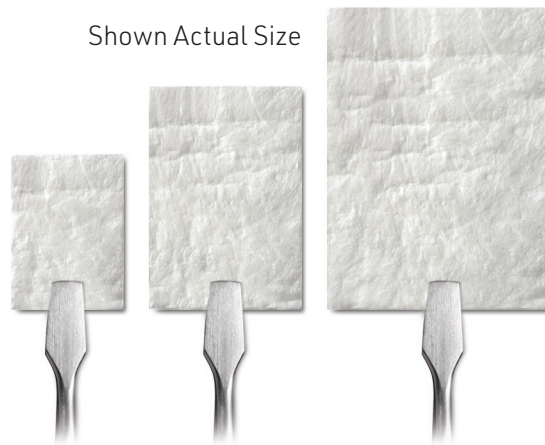
<sup>1</sup> Reported from the product's Instructions for Use.

<sup>2</sup> Data on file with ACE Surgical Supply Co, Inc.

BioMend<sup>®</sup> and BioMend<sup>®</sup> Extend are registered trademarks of Zimmer Dental.

BioGide<sup>®</sup> is a registered trademark of ED. GEISTLICH SOHNE AG.

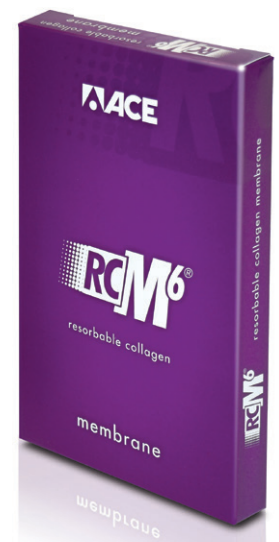
Shown Actual Size



15 x 20mm

20 x 30mm

30 x 40mm



Number	Description - Size	Price	ACE+Plus
<b>RCM<sup>6</sup> Resorbable Collagen Membrane</b>			
509-6000	RCM <sup>6</sup> Membrane 15 x 20mm, each	\$109.49	\$ 93.07
509-3000	RCM <sup>6</sup> Membrane 20 x 30mm, each	134.49	114.32
509-8000	RCM <sup>6</sup> Membrane 30 x 40mm, each	201.29	171.10



## Resorbable Collagen Plug, Foam and Tape

### Healing in 3 Resorbable Forms

- Provides an excellent matrix to assist in wound healing
- Beneficial in protecting the oral wound site
- Controls minor bleeding due to the intrinsic hemostatic properties of collagen fibers



Resorbable Collagen Features	Plug	Foam	Tape
Fully resorbable	•	•	•
Ideal for applications in oral wounds	•	•	•
Provides an excellent matrix to assist in wound healing	•	•	•
Protects the oral wound bed	•	•	•
Ideal for extraction sockets	•		
Controls minor bleeding due to the intrinsic hemostatic properties of collagen fibers	•	•	•

Number	Description	Quantity	Price	ACE+Plus
<b>RCP – Resorbable Collagen Plug</b>				
<b>A</b> 509-4000	1cm x 2cm, sterile	10/box	\$118.29	<b>\$106.46</b>
<b>RCF – Resorbable Collagen Foam</b>				
<b>B</b> 509-2000	2cm x 4cm x 3mm thick, sterile	10/box	130.29	<b>117.26</b>
<b>RCT – Resorbable Collagen Tape</b>				
<b>C</b> 509-1000	2.5cm x 7.5cm x 1mm thick, sterile	10/box	178.29	<b>160.46</b>



## Socket Preservation Kit

All-In-One: NuOss<sup>®</sup>, RC Plug, conFORM and Violet Braided PGA Suture

The Socket Preservation Kit is the perfect combination of bone grafting, membrane and closure products for your single tooth extractions. This kit is designed to make socket preservation convenient and successful each and every time.

**Kit Includes:**

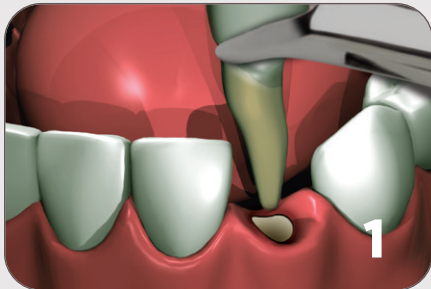
- 1 - 0.5 gram NuOss<sup>®</sup> Cancellous Particulate
- 1 - RCP Resorbable Collagen Plug
- 1 - conFORM 15 x 20mm Resorbable Collagen Membrane
- 1 - 3-0 Violet Braided PGA Suture, DS18 Needle



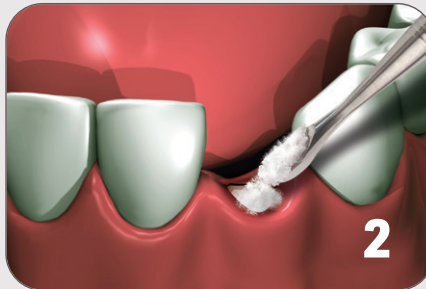
Number	Description / Quantity	Price	ACE+Plus
<b>ACE Socket Preservation Kit</b>			
003-4227	ACE Socket Preservation Kit, Single-Use/Kit	\$ 250.49	\$225.44

## Crest Preservation of Intact Alveolus

Recommended by Dr. Aron Gonshor, PhD, DDS, FRCD(C), FAO



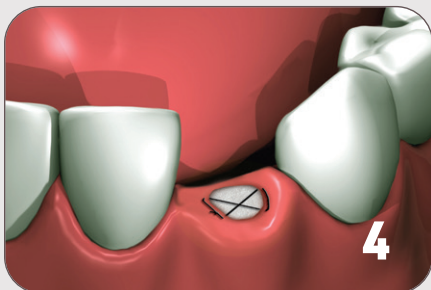
1. Atraumatic tooth extraction without flap reflection. Note: Maintain intact bony walls of the extraction socket and preserve gingival anatomy.



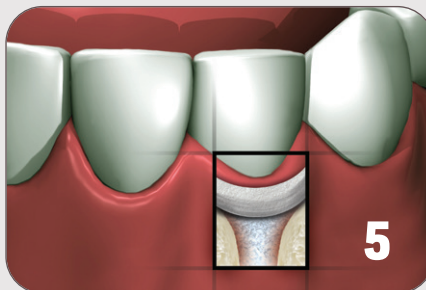
2. Alveolar socket is grafted to crest with xenograft bone mineral (NuOss<sup>®</sup>).



3. A resorbable collagen plug (RCP) is cut to size and compressed in place as a dressing.



4. Criss-cross and/or mattress sutures are placed.



5. A removable or fixed prosthesis with an ovate pontic extending 2-3mm subgingivally is placed. This permits plug compression and tissue support.

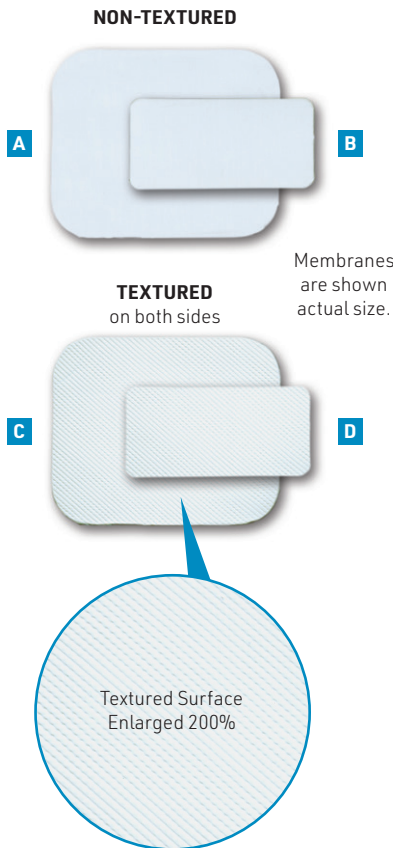
The procedures and techniques presented throughout this catalog are intended to provide basic reference only and should not be substituted for the complete surgical procedure being performed by a licensed practitioner. A complete understanding and execution of the techniques and procedures presented within this catalog are the full

responsibility of the licensed practitioner. These procedures and techniques are NOT TO BE SUBSTITUTED for the practitioner's complete knowledge, education, experience or for any instrumentation or product instruction for use.

## Tefguard® PTFE Membranes

### PTFE Barrier Membranes for GTR and GBR Procedures

Cytoflex® Tefguard® is a non-resorbable membrane for use as a space-maintaining barrier in guided tissue and guided bone regeneration procedures. Tefguard® is composed of a proprietary micro porous polytetrafluoroethylene (PTFE) thin film.



The construction of the surface and porosity of the material is suitable for adhesion of host cells to the material while preventing passage and integration of bacteria within the interstices of the material. The supple membrane conforms easily to tissue contours, and yet offers sufficient stiffness to maintain space over the bony defect.

Both smooth and micro-texture surfaces are designed to prevent tissue and bacteria ingrowth. Tefguard® Textured design allows for increased flap attachment for additional localized stability. Both Tefguard® options are intended for use as a barrier membrane in guided tissue and guided bone regeneration procedures.

#### Tefguard® Advantages:

- Excellent handling, rigidity and easily adaptable
- Can be easily trimmed to desired shape
- Can be easily fixated using either bone tacks or bone screws
- Easily retrieved as one piece
- Resists fibroblasts and bacteria penetration
- Increased capability of host tissue attachment with Tefguard® Textured
- Facilitates tissue regeneration despite flap recessions, or incomplete primary closure

Number	Description	Quantity	Price	ACE+Plus
<b>Tefguard® PTFE Membranes</b>				
<b>Non-Textured</b>				
<b>A</b>	<b>230-2530</b> Non-textured, 25 x 30mm, 0.2mm thick	1/pkg	\$ 66.79	<b>\$ 56.77</b>
<b>A</b>	<b>230-25305</b> Non-textured, 25 x 30mm, 0.2mm thick	5/pkg	268.29	<b>228.05</b>
<b>B</b>	<b>230-1224</b> Single extraction, 12 x 24mm, 0.2mm thick	1/pkg	49.49	<b>42.07</b>
<b>B</b>	<b>230-12245</b> Single extraction, 12 x 24mm, 0.2mm thick	5/pkg	214.29	<b>182.15</b>
<b>Textured</b>				
<b>C</b>	<b>231-2530</b> Textured, 25 x 30mm, 0.2mm thick	1/pkg	82.29	<b>69.95</b>
<b>C</b>	<b>231-25305</b> Textured, 25 x 30mm, 0.2mm thick	5/pkg	326.99	<b>277.94</b>
<b>D</b>	<b>231-1224</b> Single extraction, 12 x 24mm, 0.2mm thick	1/pkg	64.29	<b>54.65</b>
<b>D</b>	<b>231-12245</b> Single extraction, 12 x 24mm, 0.2mm thick	5/pkg	264.79	<b>225.07</b>

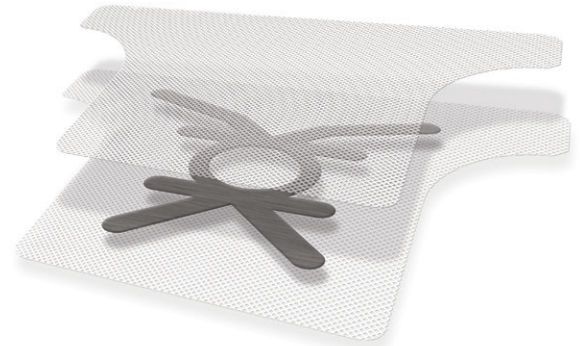


## Ti-Reinforced Membranes

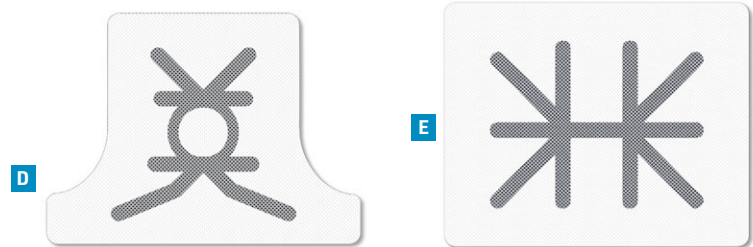
### Titanium Reinforced PTFE Barrier Membranes for GTR and GBR Procedures

Cytoflex® Tefguard® PTFE Textured Membranes with Titanium Reinforcements are non-resorbable membranes for use as a space-making barrier in guided tissue and guided bone regeneration procedures.

- Improved handling, ideal for modeling and shaping around defects
- Dual textured surface allows membrane to be placed either side up or down
- Range of sizes and configurations for large and small defects
- Can be easily trimmed to desired shape (it is recommended to avoid cutting titanium struts when trimming reinforced membranes)
- Can be easily fixated using both bone tacks or bone screws

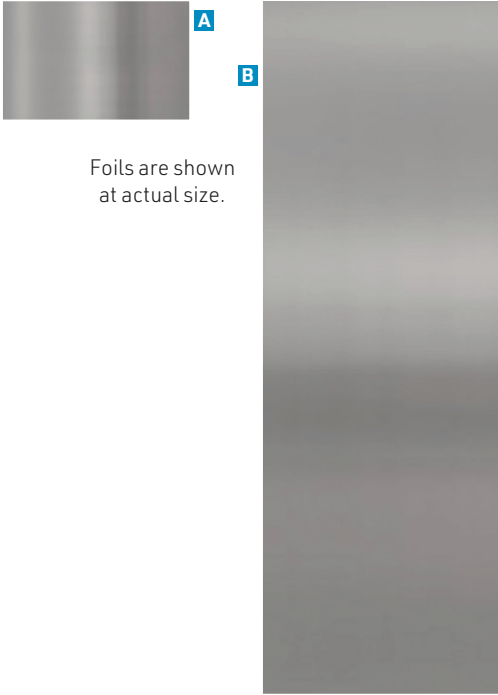


Membranes are shown actual size.



Number	Description	Quantity	Price	ACE+Plus
<b>Ti-Reinforced Tefguard® PTFE Barrier Membrane</b>				
A	232-1121 Ti-Reinforced, 12 x 24mm, Sterile	1/pkg	\$123.79	<b>\$105.22</b>
B	232-1926 Ti-Reinforced, 19 X 26mm, Sterile	1/pkg	151.79	<b>129.02</b>
C	232-2530 Ti-Reinforced, 25 X 30mm, Sterile	1/pkg	207.49	<b>176.37</b>
D	232-3901 Ti-Reinforced, 25 X 30 X 41mm, Sterile	1/pkg	246.29	<b>209.35</b>
E	232-4101 Ti-Reinforced, 32 X 40mm, Sterile	1/pkg	251.99	<b>214.19</b>

## Foil and Mesh



Foils are shown at actual size.

### Titanium Foil

- Non-perforated
- Sterile
- .007" thick

### Platinum Foil

- Non-perforated
- Nonsterile
- 1 DWT = Penny Weight



### ETHICON VICRYL™ (polyglactin 910) Woven Mesh - Knitted

ETHICON VICRYL™ Mesh for temporary wound support. Made of an absorbable material, it can provide temporary support during your patients' healing process. 3 packets per box, packaged sterile.

Number	Description	Quantity	Price	ACE+Plus
<b>Titanium Foil</b>				
<b>A</b> 003-9435	16 x 25mm x .007", Sterile	1/pkg	\$ 31.99	\$ 28.79
<b>Platinum Foil</b>				
<b>B</b> 230-001	92mm x 32mm x .02mm, Nonsterile	1/pkg	293.79	284.98
<b>Ethicon Vicryl™ Knitted Mesh</b>				
<b>C</b> 319-5095	Knitted, Undyed, 6" x 6" (15 x 15cm), Sterile	3/box	2,854.79	2,769.15

## Glustitch PeriAcryl® 90 Tissue Adhesive

### High Viscosity

- 9 times thicker than regular viscosity PeriAcryl®90
- Developed using feedback from periodontists
- Increased control for precision application and less waste
- Same trusted set time and strength as PeriAcryl®90 standard viscosity
- Same user friendly delivery system as PeriAcryl®90 standard viscosity
- Two year shelf life
- 5ml and 9ml Kits include Autoclavable Trays

### Regular Viscosity

- Effective tissue adhesive which is hemostatic and bacteriostatic
- Excellent alternative to conventional sutures in soft-tissue surgery
- Used in periodontal surgical procedures including gingivectomy, mucogingival flaps, biopsies, routine extractions and superficial oral ulcerations
- 2ml and 5ml Kits include Autoclavable Trays



Preloaded Applicators

High Viscosity Multi-Use Kit



Multi-Use Kit



Number	Description	Quantity	Price	ACE+Plus
<b>PeriAcryl®90 High Viscosity</b>				
157-6002	Violet - 5ml HV Multi-use Kit	MDV & 50 Pipettes	\$114.29	<b>\$110.86</b>
157-9004	Violet - 9ml HV Multi-use Kit (3x 3ml bottles) includes: tray, 70 regular pipettes, 20 angled pipettes	MDV & 90 Pipettes	194.79	<b>188.95</b>
<b>PeriAcryl®90 Regular Viscosity</b>				
157-2000	Violet - 0.2ml Preloaded Applicators	12 Applicators	101.79	<b>98.74</b>
157-9002	Violet - 9ml Multi-use Kit (3x 3ml bottles) includes: tray, 70 regular pipettes, 20 angled pipettes	MDV & 90 Pipettes	182.49	<b>177.02</b>
157-6000	Violet - 5ml Multi-use Kit	MDV & 50 Pipettes	107.29	<b>104.07</b>
157-5000	Violet - 2ml Mini Kit	MDV & 20 Pipettes	70.79	<b>68.67</b>
157-2001	Clear - 0.2ml Preloaded Applicators	12 Applicators	101.79	<b>98.74</b>
157-6001	Clear - 5ml Multi-use Kit	MDV & 50 Pipettes	107.29	<b>104.07</b>
157-4002	Clear - 2ml Mini Kit	MDV & 20 Pipettes	70.79	<b>68.67</b>
<b>Accessories</b>				
157-9000	Pipettes for Multi-use Kits, Empty, Straight	100 Pipettes	17.29	<b>16.77</b>
157-9006	Pipettes for Multi-use Kits, Empty, Angled	50 Pipettes	19.99	<b>19.39</b>



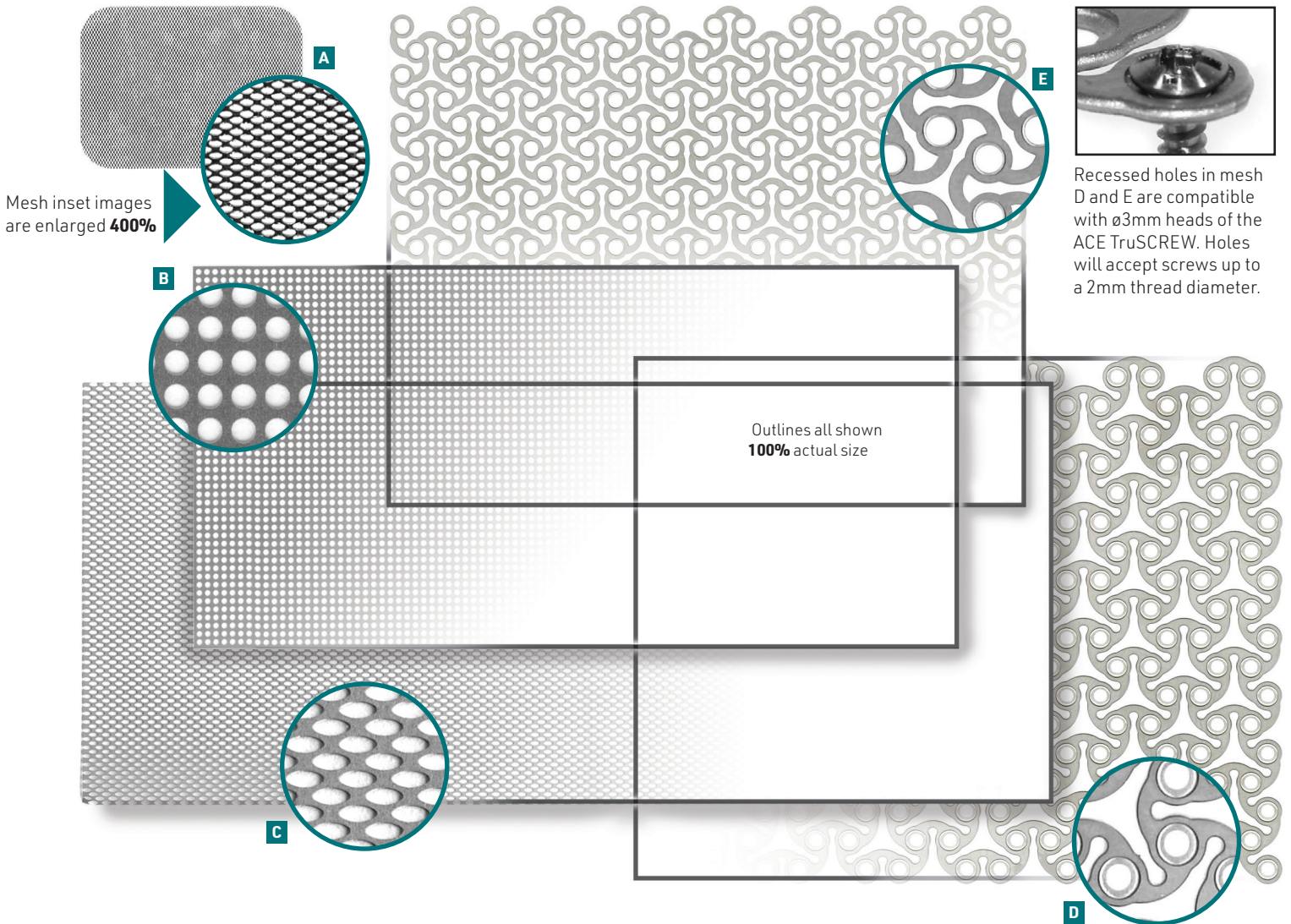


## Titanium Micro Mesh

### Customizable for Guided Bone Regeneration

- Manufactured from commercially pure titanium, perforated, non-sterile
- Can be secured with ACE TruSCREW self-drilling bone screws (p 27)
- Trim to size using Smith Wire Cutting Scissors (p 78)

Mesh D and E are easy to manipulate, shown cut and contoured to orbital floor mandibular fracture, low profile.



Number	Size	Thickness	Price	ACE+Plus
<b>Titanium Micro Mesh</b>				
A	003-9429 34 x 25mm	.1mm thick	\$ 62.29	\$ 56.06
B	003-9430 120 x 60mm	.1mm thick	241.29	217.16
C	003-9433 152 x 66mm	.2mm thick	259.99	233.99
D	003-94501 98.5 x 77.5mm	.6mm thick	259.99	233.99
E	003-94701 98.5 x 77.5mm	.2mm thick	259.99	233.99

# Titanium Tenting Mesh

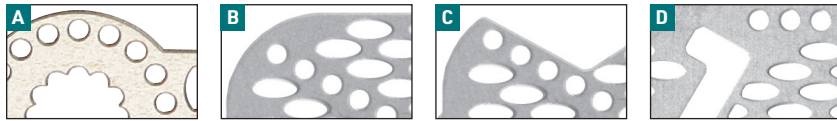
Pre-Shaped for Guided Bone Regeneration

7 x 14mm **A** and 13 x 33mm **B C**

- 12 point center locks on top of standard External Hexagon Implants
- Manufactured from commercially pure titanium, perforated, non-sterile
- Can be secured with ACE TruSCREW self-drilling bone screws (p 27)

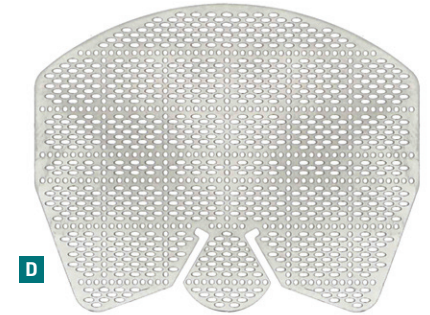
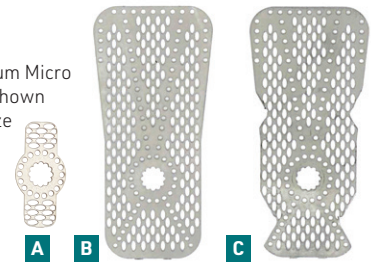
30 x 80mm **D**

- Manufactured from commercially pure titanium, perforated, non-sterile
- Can be secured with ACE TruSCREW self-drilling bone screws (p 27)



Insets Magnified 400%

All Titanium Micro Mesh is Shown Actual Size



Number	Size	Thickness	Price	ACE+Plus
<b>Titanium Micro Mesh</b>				
<b>A</b> 003-9434	7 x 14mm Tenting Mesh	.2mm thick	\$54.79	\$49.31
<b>B</b> 003-9440	13 x 33mm Tenting Mesh	.2mm thick	68.29	61.46
<b>C</b> 003-9442	13 x 33mm Custom Tenting Mesh	.2mm thick	78.79	70.91
<b>D</b> 003-9444	30 x 80mm Tenting Mesh	.2mm thick	103.49	93.14

## Ridge Augmentation

Using ACE Preconfigured Titanium Micro Mesh

ACE Titanium Mesh are uniquely designed to allow for various configurations. Example shown above covering graft particulate and secured to the host bone using ACE TruFIX TruSCREWs.

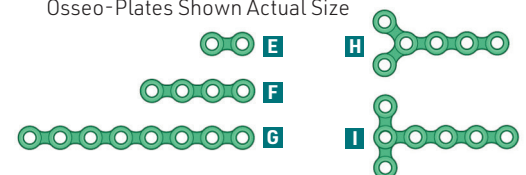
# Osseo-Plates

ACE offers 5 configurations of Osseo-Plates made from extremely strong yet pliable Grade 3 Commercially Pure Titanium. Each plate is 0.5mm thick and tiodized green. Each hole is countersunk to fit the 1.2mm and 1.5mm ACE TruSCREW Bone Screw.

Number	Description	Size	Price	ACE+Plus
<b>Micro Osseo-Plate</b>				
<b>E</b> 454-37004	2 Hole Osseo-Plate	7mm Long	\$35.79	\$32.21
<b>F</b> 454-37001	4 Hole Osseo-Plate	15mm Long	48.29	43.46
<b>G</b> 454-37003	8 Hole Osseo-Plate	31mm Long	61.79	55.61
<b>H</b> 454-37601	6 Hole Y-Shape Osseo-Plate	18mm Long	61.79	55.61
<b>I</b> 454-37401	7 Hole T-Shape Osseo-Plate	19mm Long	64.79	58.31



Osseo-Plates Shown Actual Size







## truFIX Fixation System

### The All-In-One Bone Fixation and Membrane Stabilization Solution

The truFIX System from ACE Surgical Supply provides you with everything you need for both bone fixation and membrane stabilization. This system incorporates all the necessary components to pick up and drive the ACE truSCREW and truTACK. The truFIX system eliminates the need for multiple systems and unnecessary components, making it user-friendly for your practice.

- True centered patented locking connection
- True axial alignment with pickup each time
- truSCREW self-drilling screw developed for easy insertion with maximum fixation
- truSCREW Patented Removal Sleeve for disengaging the screw from the driver without damaging screw head

**The truSCREW**, with its aggressive cutting flutes, is the ideal bone screw for the fixation of small bone within the oral and maxillofacial environment. These cutting flutes (in most instances) eliminate the need for any pre-drilling. The patented design of the screw ensures an effortless insertion into all types of bone.

**The truTACK** makes the stabilization of membranes quick and trouble-free. Our unique tack incorporates a hexagon on its head and threads on its shaft, allowing for easy removal. The truTACK is placed like a tack and removed like a screw, a feature that you will not find in any other system.

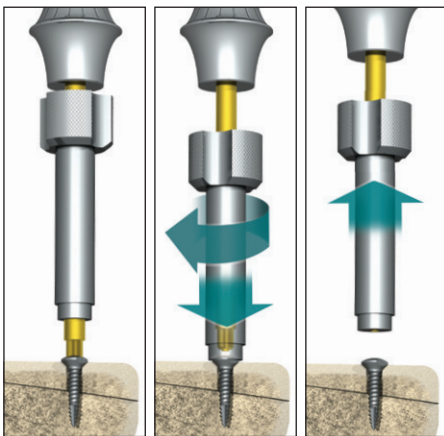
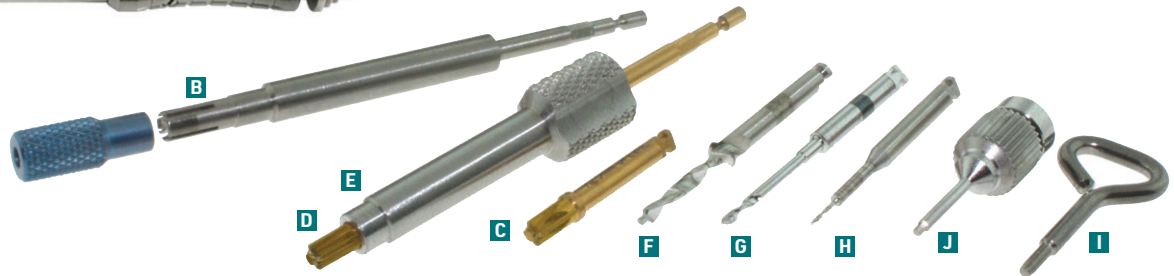
**The truTENT** is a refinement of the truSCREW. Its raised collar and wider head is designed to support a titanium mesh during augmentation procedures.



Handles shown actual size.



- truTACK hexagon driver head and barbed tip to pierce without drilling for simple tack insertion and easy screw-like removal



The driver's true-centered locking connection holds the truSCREW securely. The removal sleeve disengages the driver from the screw without compromising the screw or the stability of the graft.

Number	Description	Price	ACE+Plus
<b>truFIX Fixation System</b>			
454-18015	truFIX Complete Fixation System	\$1,139.29	<b>\$1,025.36</b>
<b>System Includes:</b> (available separately)			
<b>A</b> 454-19001	truFIX Driver Handle, 98mm (3.875") long	319.29	<b>287.36</b>
<b>B</b> 454-17001	truTACK Driver Tip (includes Tip Cover)	96.79	<b>87.11</b>
<b>C</b> 454-15201	truSCREW Driver Tip, Contra-Angle	85.99	<b>77.39</b>
<b>D</b> 454-15001	truSCREW Driver Tip (shown with E)	75.29	<b>67.76</b>
<b>E</b> 454-17901	truSCREW Driver Removal Sleeve (shown with D)	78.29	<b>70.46</b>
<b>F</b> 454-40203	CA 2-Step Countersink Bur, .8mm and 1.6mm Steps	62.29	<b>56.06</b>
<b>G</b> 454-40202	1.1mm Pilot Twist Drill, 29.8mm	72.29	<b>65.06</b>
<b>H</b> 50-27-00045	Pilot Bur, 0.45mm, 27mm Length, Contra Angle	47.49	<b>42.74</b>
<b>I</b> 454-50201	truSCREW Packaging Removal Tool	47.49	<b>42.74</b>
<b>J</b> 20-1577-02	0.88mm External Hex Hand Driver	74.79	<b>67.31</b>
<b>K</b> 454-18501	truFIX Tray (empty)	373.79	<b>336.41</b>

#### truFIX Small Driver Handle

This smaller, thinner, and lighter handle is often preferred by surgeons with smaller hands. Sold separately.

<b>L</b> 454-19501	Optional Small Driver Handle, 89mm (3.5") long	126.99	<b>114.29</b>
--------------------	--	--------	---------------



# truTACK, truSCREW and truTENT

Bone Tacks, Self Drilling Bone Screws and Tenting Screws



**truTACK 2.5 mm Head Diameter** Sterile, 10/package

Reg. \$143.79

**ACE+Plus \$129.41**

Total Length	Thread	Number
3.0 mm	0.7 mm Thread Ø	96-003-13
5.0 mm	0.7 mm Thread Ø	96-003-14

**truSCREW 3 mm Head Diameter** Sterile, 5/package

Reg. \$139.79

**ACE+Plus \$125.81**

Total Length	1.2 mm Thread Ø	1.5 mm Thread Ø	2.0 mm Thread Ø
4.5mm	454-27202	-	-
6.0 mm	454-27203	454-27502	454-28002
7.5 mm	454-27204	454-27503	454-28003
9.0 mm	454-27205	454-27504	454-28004
10.5 mm	454-27206	454-27505	454-28005
12.0 mm	-	454-27506	454-28006
13.5 mm	-	454-27507	454-28007
15.0 mm	-	454-27508	454-28008

**truTENT 5 mm Head Diameter** Sterile, 1/package

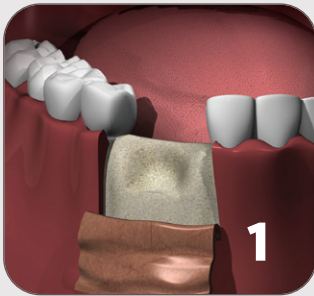
Reg. \$50.79

**ACE+Plus \$45.71**

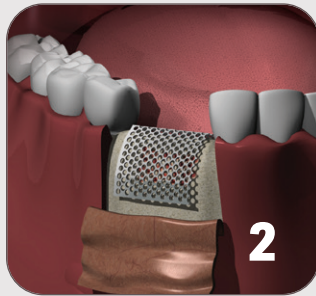
Total Length	Collar Height	1.5 mm Thread Ø
10.0 mm	4mm	454-391001
12.0 mm	6mm	454-391002
14.0 mm	8mm	454-391003

# Complete Titanium Mesh Grafting

ACE Resorbable Collagen Membranes, Graft Particulate, Titanium Mesh and TruFIX TruSCREW Bone Screws



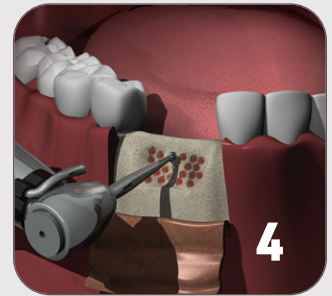
1 Elevate the periosteal flap and expose the defect area following common surgical procedures.



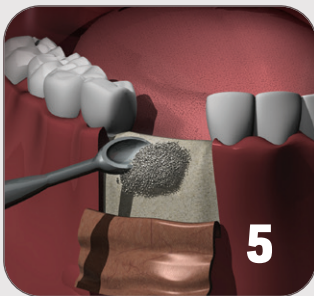
2 Prior to decorticating the host bone and placing the graft material, mold the titanium mesh to the geometry of the defect.



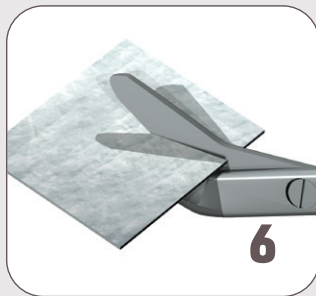
3 Prepare your preferred particulate grafting material such as alloOss® (allograft) or NuOss® (xenograft).



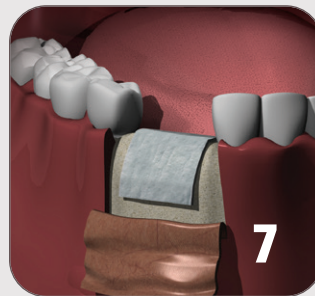
4 Examine the defect. Using a 1.1mm round bur, decorticate the recipient bone in the area and establish fresh bleeding.



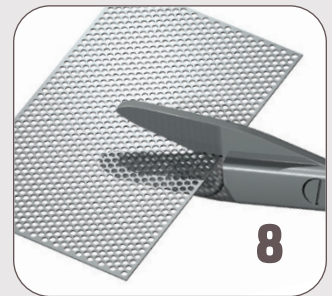
5 Fill the entire defect with your chosen graft material.



6 Cut the conform or RCM<sup>6</sup> Resorbable Collagen Membrane to the defined geometry of the defect.



7 Drape the defect with a preferred resorbable collagen membrane such as RCM<sup>6</sup> or conform.



8 Prepare the 0.1mm or 0.2mm thick titanium mesh to the defined geometry of the defect and slightly larger than the RCM<sup>6</sup> Resorbable Membrane. Cut with Smith wire cutting scissors (p78).



9 Use the ACE Membrane Punch (96-003-03 p.76) to prepare/enlarge the ideal screw hole for driving a TruFIX TruSCREW through the titanium mesh or any ACE membrane.



10 Drape the formed titanium mesh over the defect area. Mark the mesh and host bone through the mesh with an ACE step drill.



11 Secure the titanium mesh into the recipient bone using appropriate length and diameter TruSCREW Bone Screws.

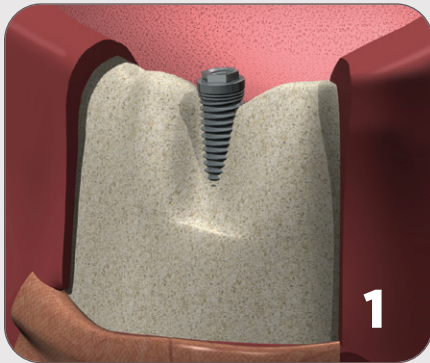
The procedures and techniques presented throughout this catalog are intended to provide basic reference only and should not be substituted for the complete surgical procedure being performed by a licensed practitioner. A complete understanding and execution of the techniques and procedures presented

within this catalog are the full responsibility of the licensed practitioner. These procedures and techniques are NOT TO BE SUBSTITUTED for the practitioner's complete knowledge, education, experience or for any instrumentation or product instruction for use.

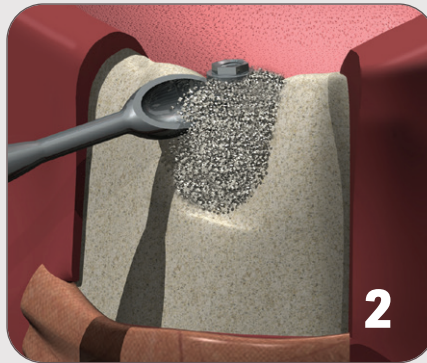


## Securing an Implant Site with Titanium Micro-Mesh

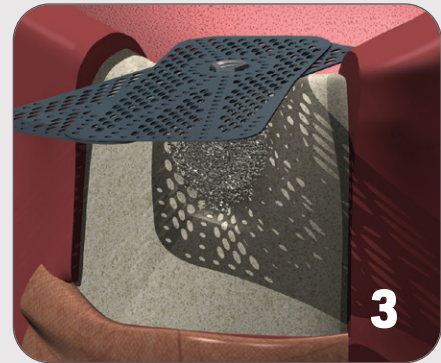
15x30mm Titanium Tenting Mesh with Graft Material, and TruFIX TruSCREW Bone Screws



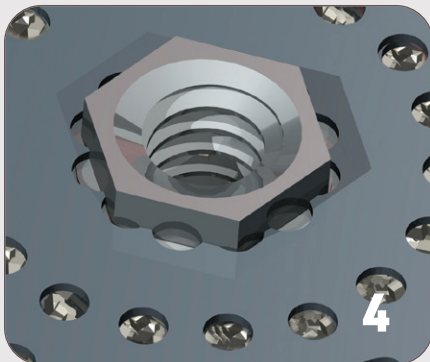
1 Elevate the periosteal flap from the defect area around the exposed External Hexagon implant.



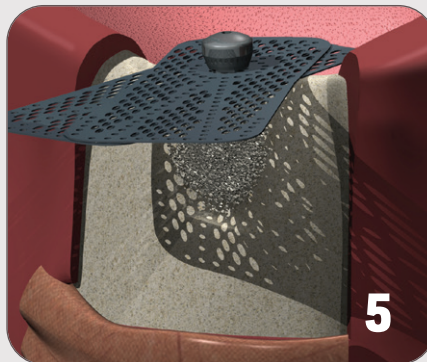
2 Fill the entire defect with your chosen graft material. Use hydrated alloOss® Particulate, alloOss® Putty, NuOss® Particulate or NuOss® Collagen Block.



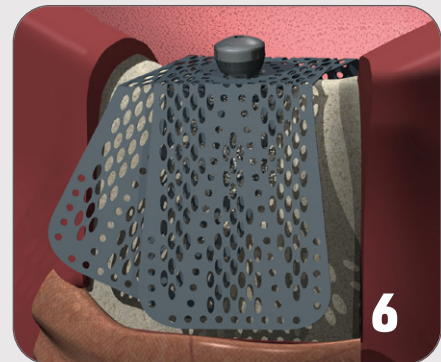
3 Align the 12-point center locks of the titanium micro-mesh with the top of the 2.7mm external hex implant. If the defect is wider than a single mesh, two (003-9440) Titanium Micro-Mesh can be used (as shown).



4 The 12-Point center of the Titanium Micro Mesh snaps and locks into place when used over a standard 2.7mm external hex implant (as shown). May be used for tenting procedures over the ACE Tenting Screw.



5 Add an implant cover screw or abutment (shown) to hold mesh in place. Don't torque yet to allow adjustments in mesh alignment.



6 Gently bend mesh, contour to desired ridge profile. Once it has been bent into place, fully torque cover screw or abutment.



7 Secure the titanium micro mesh into the recipient bone using appropriate length and diameter TruSCREW Bone Screws.

The procedures and techniques presented throughout this catalog are intended to provide basic reference only and should not be substituted for the complete surgical procedure being performed by a licensed practitioner. A complete understanding and execution of the techniques and procedures presented

within this catalog are the full responsibility of the licensed practitioner. These procedures and techniques are NOT TO BE SUBSTITUTED for the practitioner's complete knowledge, education, experience or for any instrumentation or product instruction for use.



## Anchorage Control System

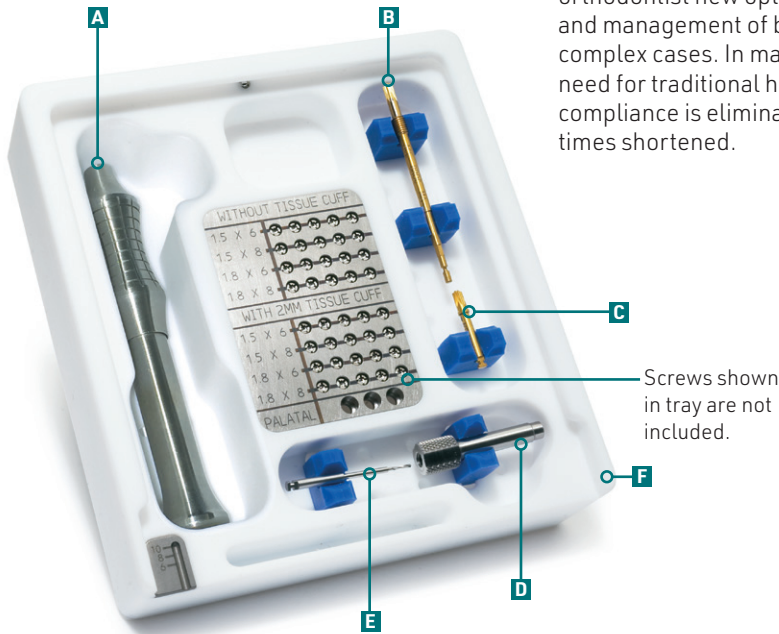
### Unmatched Versatility

Correction of malocclusion using Orthodontic Bone Screws as temporary anchorage devices (TADs). These devices shift the focus of orthodontic treatment from traditional tooth borne mechanics to skeletal borne mechanics.

This ground breaking procedure offers the orthodontist new options for the treatment and management of both routine and complex cases. In many instances, the need for traditional headgear and patient compliance is eliminated, and treatment times shortened.

### Indications

- Makes treatment more efficient
- Predictable and faster with control
- Prevents undesirable tooth movement in both arches during treatment
- Used in incisor intrusion
- Mini-plates can be useful for intrusions
- Distalization or mesialization intrusion or extrusions of molars
- Retraction of anterior teeth in bi-alveolar protrusion
- Correction of canting of maxilla
- Correction of open bite



Screws shown in tray are not included.

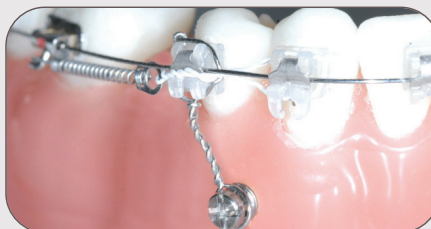
Number	Description	Price	ACE+Plus
<b>Anchorage Control System</b>			
454-92000	Complete Anchorage Kit (Screws Sold Separately)	\$989.99	<b>\$890.99</b>
<b>System Includes:</b> (available separately)			
<b>A</b>	454-19001 Driver Handle, with quick release mechanism	319.29	<b>287.36</b>
<b>B</b>	454-17501 Driver Tip, 55mm, 1.25mm head	70.29	<b>63.26</b>
<b>C</b>	454-15201 Driver Tip, CA, 19mm, 1.25mm head	85.99	<b>77.39</b>
<b>D</b>	454-17901 Driver Tip Removal Sleeve	78.29	<b>70.46</b>
<b>E</b>	454-40501 Pilot Drill, CA, .8mm, 22mm total length	72.29	<b>65.06</b>
<b>F</b>	454-18502 Autoclavable Tray (shown above)	366.49	<b>329.84</b>
<b>Optional Components</b>			
<b>G</b>	454-40201 Optional 1.1mm Pilot Drill, CA	72.29	<b>65.06</b>
<b>H</b>	454-19501 Optional Small Driver Handle	126.99	<b>114.29</b>



See page 26 for handle size difference.



Ortho Anchor used for intrusion of lower incisors.



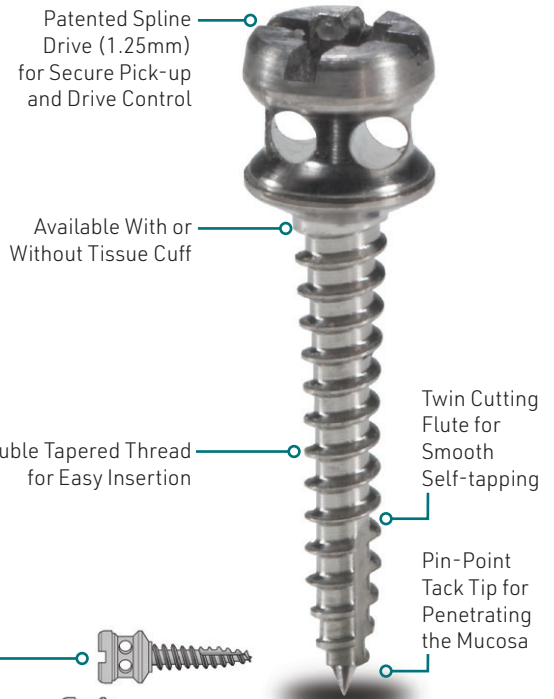
Ortho Anchor and indirect traction: protraction without anchorage loss!



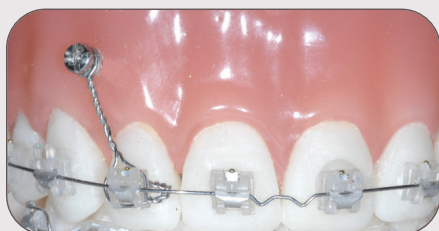
Ortho Anchor used for Canine stabilization.

## Orthodontic Bone Screws

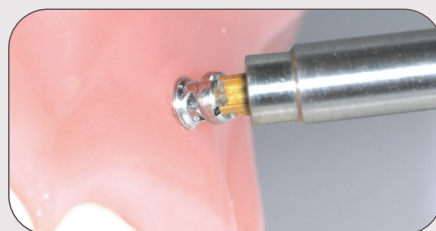
- Moving the playing field from tooth based to skeletal based mechanics
- Increasing treatment options and efficiency
- Patented driver-head geometry assures positive pickup and placement
- Twin through holes allow multi-axis loading and stabilization
- Self-drilling features with tissue piercing sharp tack point
- Double taper thread design enhances stability with host bone
- Smooth, highly polished tapered seating neck minimizes tissue irritation
- Twin cutting flutes facilitate thread engagement
- Meeting patient/doctor anchorage requests
- Patent pending
- All are packaged sterile
- Fabricated from surgical grade Titanium Alloy (6AL-4V ELI)



Number	Thread Dia. x Length - Cuff	Quantity	Price	ACE+Plus
<b>1.5mm Orthodontic Bone Screws</b>				
454-91201	1.5mm x 6mm - no cuff	each	\$119.29	\$101.40
454-91211	1.5mm x 6mm - no cuff	5/cassette	298.49	268.64
454-91202	1.5mm x 8mm - no cuff	each	119.29	101.40
454-91212	1.5mm x 8mm - no cuff	5/cassette	298.49	268.64
454-91203	1.5mm x 10mm - no cuff	each	119.29	101.40
454-91213	1.5mm x 10mm - no cuff	5/cassette	298.49	268.64
454-91204	1.5mm x 6mm - 2mm cuff	each	119.29	101.40
454-91214	1.5mm x 6mm - 2mm cuff	5/cassette	298.49	268.64
454-91205	1.5mm x 8mm - 2mm cuff	each	119.29	101.40
454-91215	1.5mm x 8mm - 2mm cuff	5/cassette	298.49	268.64
<b>1.8mm Orthodontic Bone Screws</b>				
454-91701	1.8mm x 6mm - no cuff	each	119.29	101.40
454-91711	1.8mm x 6mm - no cuff	5/cassette	298.49	268.64
454-91702	1.8mm x 8mm - no cuff	each	119.29	101.40
454-91712	1.8mm x 8mm - no cuff	5/cassette	298.49	268.64
454-91703	1.8mm x 10mm - no cuff	each	119.29	101.40
454-91713	1.8mm x 10mm - no cuff	5/cassette	298.49	268.64
454-91704	1.8mm x 6mm - 2mm cuff	each	119.29	101.40
454-91714	1.8mm x 6mm - 2mm cuff	5/cassette	298.49	268.64
454-91705	1.8mm x 8mm - 2mm cuff	each	119.29	101.40
454-91715	1.8mm x 8mm - 2mm cuff	5/cassette	298.49	268.64



Ortho Anchor used for midline correction.



The removal sleeve is used to remove the driver without force, avoiding bone damage.

### Orthodontic Bone Screws

Used as Temporary Anchorage Devices (TADs)

## Sinus Lift Osteotome Kit

- Concave tip, sharply honed cutting surface
- Concave tip can be used to carry and place bone grafting material into site
- All osteotomes are 6", 15cm Long
- All osteotomes and trays can be purchased separately



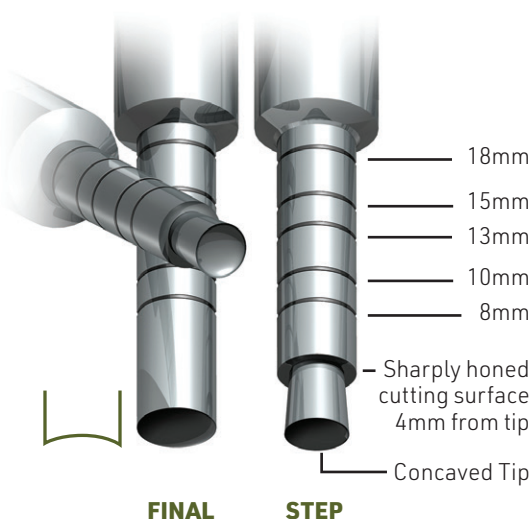
### Osteotome Size Chart

Osteotome	Implant OD
2.8mm	3.25-3.5mm
3.3mm	3.75-4.0mm
4.35mm	4.75mm
5.0mm	5.75mm

OD = Outside Diameter

See page 35 for a tutorial

### CONCAVE TIP DETAIL



Number	Description	Price	ACE+Plus
<b>Sinus Lift Osteotome Kit (Concave Tips)</b>			
454-5000	Sinus Lift Osteotome Kit (Set of 11 with tray)	\$774.29	<b>\$696.86</b>
<b>Sinus Lift Osteotome Kit Includes:</b> (available separately)			
454-5001	Sinus Lift Osteotome Step - 1.6mm/2.0mm	70.29	<b>63.26</b>
454-5101	Sinus Lift Osteotome Step - 2.0mm/2.8mm	70.29	<b>63.26</b>
454-5201	Sinus Lift Osteotome Step - 2.8mm/3.3mm	70.29	<b>63.26</b>
454-6001	Sinus Lift Osteotome Step - 3.3mm/4.0mm	70.29	<b>63.26</b>
454-6101	Sinus Lift Osteotome Step - 4.0mm/4.35mm	70.29	<b>63.26</b>
454-6301	Sinus Lift Osteotome Step - 4.35mm/5.0mm	70.29	<b>63.26</b>
454-5701	Sinus Lift Osteotome Final - 2.8mm	70.29	<b>63.26</b>
454-5301	Sinus Lift Osteotome Final - 3.3mm	70.29	<b>63.26</b>
454-5401	Sinus Lift Osteotome Final - 4.0mm	70.29	<b>63.26</b>
454-6201	Sinus Lift Osteotome Final - 4.35mm	70.29	<b>63.26</b>
454-6401	Sinus Lift Osteotome Final - 5.0mm	70.29	<b>63.26</b>
765-1060	Sinus Lift Osteotome Autoclavable Tray	193.79	<b>187.98</b>
<b>Also Available, Not Included in the Kit</b>			
454-6701	Sinus Lift Osteotome, 5.0mm/5.4mm Step	70.29	<b>63.26</b>
454-6801	Sinus Lift Osteotome, 5.4mm Final	70.29	<b>63.26</b>



## Site Dilator Kit

- Convex tip compresses bone, limiting the amount of bone that must be removed from the site
- All implant site dilators are 6", 15cm long
- All implant site dilators and trays can be purchased separately

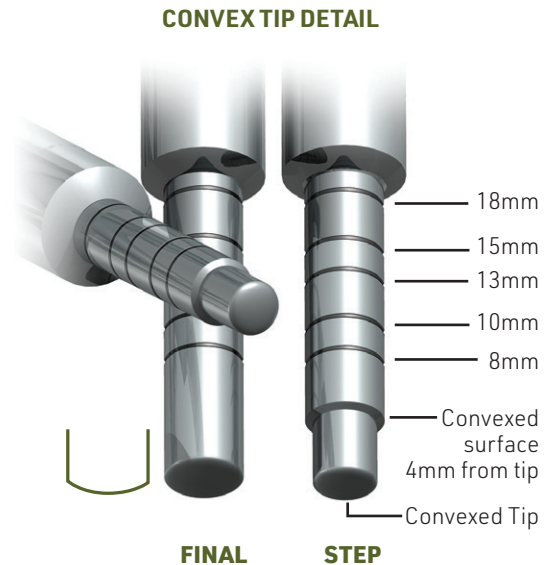
Osteotome Size Chart	
Osteotome	Implant OD
2.8mm	3.25-3.5mm
3.3mm	3.75-4.0mm
4.35mm	4.75mm
5.0mm	5.75mm

OD = Outside Diameter

See page 35 for a tutorial



Number	Description	Price	ACE+Plus
<b>Implant Site Dilator Osteotome Kit (Convex Tips)</b>			
454-3000	Site Dilator Kit (Set of 11 dilators with tray)	\$774.29	\$696.86
<b>Implant Site Dilating Osteotome Kit Includes:</b> (available separately)			
454-3001	Site Dilator Osteotome Step - 1.6mm/2.0mm	70.29	63.26
454-3101	Site Dilator Osteotome Step - 2.0mm/2.8mm	70.29	63.26
454-3201	Site Dilator Osteotome Step - 2.8mm/3.3mm	70.29	63.26
454-4001	Site Dilator Osteotome Step - 3.3mm/4.0mm	70.29	63.26
454-4101	Site Dilator Osteotome Step - 4.0mm/4.35mm	70.29	63.26
454-4301	Site Dilator Osteotome Step - 4.35mm/5.0mm	70.29	63.26
454-3701	Site Dilator Osteotome Final - 2.8mm	70.29	63.26
454-3301	Site Dilator Osteotome Final - 3.3mm	70.29	63.26
454-3401	Site Dilator Osteotome Final - 4.0mm	70.29	63.26
454-4201	Site Dilator Osteotome Final - 4.35mm	70.29	63.26
454-4401	Site Dilator Osteotome Final - 5.0mm	70.29	63.26
765-1055	Site Dilator Osteotome Autoclavable Tray	193.79	187.98



## Offset Osteotome Kit

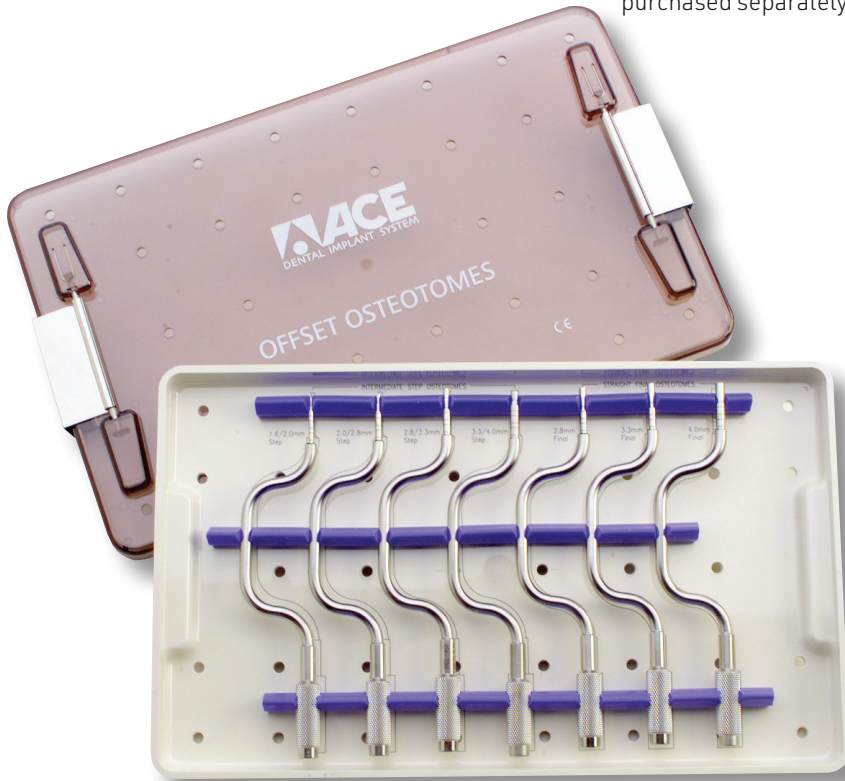
- Offset advantage: force of the strike stays directly on target
- Concave tip, sharply honed cutting surface
- Concave tip can be used to carry and place bone grafting material into site
- All osteotomes are 6", 15cm Long
- All osteotomes and trays can be purchased separately

### Osteotome Size Chart

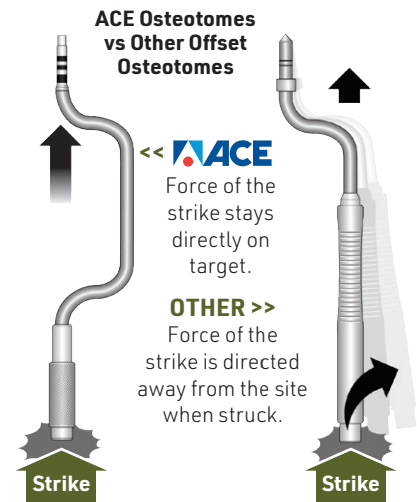
Osteotome	Implant OD
2.8mm	3.25-3.5mm
3.3mm	3.75-4.0mm
4.35mm	4.75mm
5.0mm	5.75mm

OD = Outside Diameter

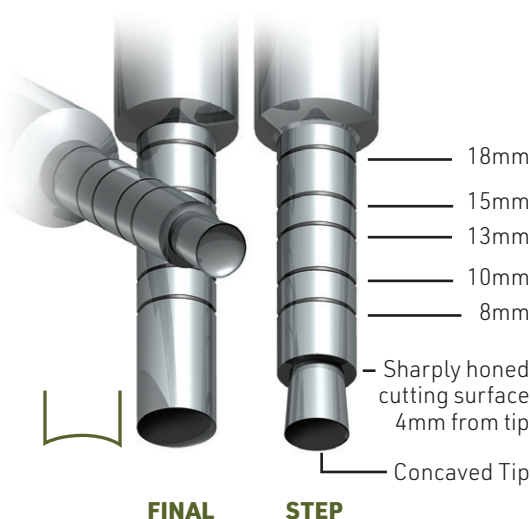
See page 35 for a tutorial



### The Advantage of ACE Offset Osteotomes



### CONCAVE TIP DETAIL

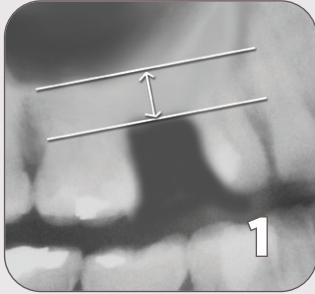


Number	Description	Price	ACE+Plus
<b>Offset Osteotome Kit</b>			
454-2000	Offset Osteotome Kit (Set of 7 osteotomes with tray)	\$734.29	\$660.86
<b>Offset Osteotome Kit Includes:</b> (available separately)			
454-2001	Offset Osteotome Step - 1.6mm/2.0mm	91.29	82.16
454-2101	Offset Osteotome Step - 2.0mm/2.8mm	91.29	82.16
454-2201	Offset Osteotome Step - 2.8mm/3.3mm	91.29	82.16
454-2301	Offset Osteotome Step - 3.3mm/4.0mm	91.29	82.16
454-2401	Offset Osteotome Final - 2.8mm	91.29	82.16
454-2601	Offset Osteotome Final - 3.3mm	91.29	82.16
454-2801	Offset Osteotome Final - 4.0mm	91.29	82.16
765-1080	Offset Osteotome Autoclavable Tray	199.29	193.31
<b>Also Available, Not Included in the Kit</b>			
454-2501	Offset Osteotome, 4.0mm/4.35mm Step	91.29	82.16
454-7101	Offset Osteotome, 4.35mm/5.0mm Step	91.29	82.16
454-2901	Offset Osteotome, 4.35mm Final	91.29	82.16
454-7201	Offset Osteotome, 5.0mm Final	91.29	82.16

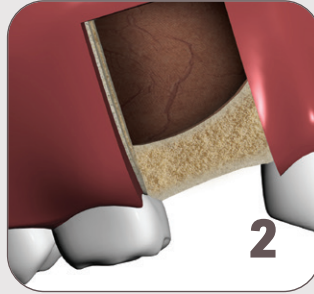


# Sinus Lift Site Preparation for Implant Placement

An alternative method for preparing a Ø4.3mm – Ø4.8mm implant site



1  
A minimum of 5-6mm of bone is needed between the alveolar crest and the maxillary sinus floor.



2  
Initial incisions and flap reflection is made to allow complete access to the implant site.



3  
Prepare the implant site by inserting a Ø1.6mm/2.0mm Step Sinus Lift Osteotome until it reaches the sinus floor. Continue each step, enlarging the osteotomy to the chosen implant diameter.



4  
Insert the next Ø2.0mm/2.8mm Step Sinus Lift Osteotome until it reaches the sinus floor. Continue each step, enlarging the osteotomy to the chosen implant diameter.



5  
Insert the Ø2.8mm/3.3mm Step Sinus Lift Osteotome until it reaches the sinus floor. Continue each step, enlarging the osteotomy to the chosen implant diameter.



6  
Insert the Ø3.3mm/4.0mm Step Sinus Lift Osteotome until it reaches the sinus floor. Continue each step, enlarging the osteotomy to the chosen implant diameter.



7  
Secure the final Ø4.0mm Straight Sinus Lift Osteotome using tight finger control in order to limit vertical movement. Insert into the implant site until it reaches the sinus floor. Tap lightly once to crack the sinus floor elevating the sinus floor and scheidarian membrane in "Trap Door Fashion."



8  
All autogenous bone collected using the unique multiple cutting surfaces of the pilot osteotomes will be pushed into the space created between the floor and the membrane. The site is now prepared for inserting a Ø4.3mm – Ø4.8mm Dental implant. For other sized implants, fewer or additional steps and final osteotomes are used.



9  
As required, autogenous bone or bone graft mix can be added to the osteotomy. The ACE Autograft (see page 44) can be used to obtain an autogenous bone graft mix.



10  
Placement of the appropriate length and diameter Implant will utilize the newly formed bone depth and push the sinus membrane lifting the sinus floor and membrane into the sinus cavity.

OSTEOTOME SIZE CHART	Select Implant Diameter, Use Each Osteotome with ●				
	Ø3.25mm-Ø3.6mm	Ø3.7mm-Ø4.2mm	Ø4.3mm-Ø4.8mm	Ø4.9mm-Ø5.3mm	Ø5.4mm-Ø5.75mm
1.6 / 2.0 mm STEP	●	●	●	●	●
2.0 / 2.8 mm STEP	●	●	●	●	●
2.8 / 3.3 mm STEP		●	●	●	●
3.3 / 4.0 mm STEP			●	●	●
4.0 / 4.35 mm STEP				●	●
4.35 / 5.0 mm STEP					●
FINAL OSTEOTOME	● 2.8mm	● 3.3mm	● 4.0mm	● 4.35mm	● 5.0mm

**For Larger Implants:** For placement of larger implants (3.75mm, 4.0mm, 4.75mm) widen the diameter of the osteotomy by progressively increasing the osteotomes diameter until the desired opening is achieved. See above for osteotome-to-implant size chart.

The procedures and techniques presented throughout this catalog are intended to provide basic reference only and should not be substituted for the complete surgical procedure being performed by a licensed practitioner. A complete understanding and execution of the techniques and

procedures presented within this catalog are the full responsibility of the licensed practitioner. These procedures and techniques are NOT TO BE SUBSTITUTED for the practitioner's complete knowledge, education, experience or for any instrumentation or product instruction for use.





## Sinus Lift Kit

Number	Description	Length	Price	ACE+Plus
<b>Sinus Lift Kit</b>				
<b>A</b>	003-4194 Sinus Lift Kit with Tray		\$385.99	<b>\$347.39</b>
<b>Kit Includes:</b> (available separately)				
<b>B</b>	765-1050 Autoclavable Tray		113.29	<b>109.89</b>
<b>C</b>	03-110-88 Shepherd Sinus Lift Retractor	7" (18cm)	55.99	<b>50.39</b>
<b>D</b>	03-110-23 Freer Periosteal Elevator, strong curve	7-1/2" (19cm)	47.99	<b>43.19</b>
<b>E</b>	03-110-77 #3 Clepper Tatum Antralplasty Elevator, DE	6-1/2" (16.5cm)	47.99	<b>43.19</b>
<b>F</b>	10-002-36 #1 Sinus Lift Curette, standard bend, DE, 3mm/5mm	7-1/2" (19cm)	47.99	<b>43.19</b>
<b>G</b>	10-002-37 #2 Sinus Lift Curette, severe bend, DE, 3mm/5mm	6-1/2" (16.5cm)	47.99	<b>43.19</b>
<b>H</b>	714-0243 Depth/Packing Gauge, DE, Titanium, markings at 8-10-13-15-18mm, 3.3/4mm ends	6-1/2" (16.5cm)	107.49	<b>96.74</b>



## Elevator Kits

### Antralplasty Elevator Kit for Sinus and Socket Lift Procedures

- Designed for exploring and walking antral floor in displaced root tip removal
- Instruments have dulled edges to prevent tearing of the membrane

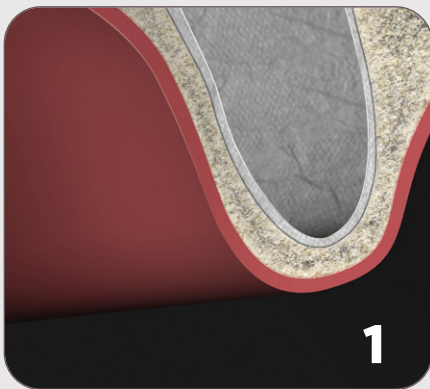
Number	Description	Length	Price	ACE+Plus
<b>Antralplasty Elevator Kit</b>				
00-002-20	Antralplasty Elevator Kit (Includes E, I, J, K, L, and M)		\$222.29	\$200.06
<b>Kit Includes:</b> (available separately)				
A	03-110-77 #3 Clepper Tatum Antralplasty Elevator, DE	6-1/2" (16.5cm)	47.99	43.19
B	10-002-31 #2 Clepper Tatum Antralplasty Elevator, DE	6-1/2" (16.5cm)	47.99	43.19
C	10-002-25 #1 Antral Curette, DE	6-1/2" (16.5cm)	47.99	43.19
D	10-002-34 #3 Antral Curette, DE	5-3/4" (14.5cm)	47.99	43.19
E	10-002-30 #1 Clepper Tatum Antralplasty Elevator, DE	6-1/2" (16.5cm)	47.99	43.19
F	10-002-33 #2 Antral Curette, DE	6" (15cm)	47.99	43.19
<b>Also Available, not Included in the kit</b>				
G	10-002-48 Shepherd Sinus Lift Curette, DE	7" (18cm)	47.99	43.19
H	10-002-44 Sinus Lift Spatula Curette, Spoon Tip	6-1/2" (16.5cm)	47.99	43.19

## Lateral Sinus Augmentation Procedure

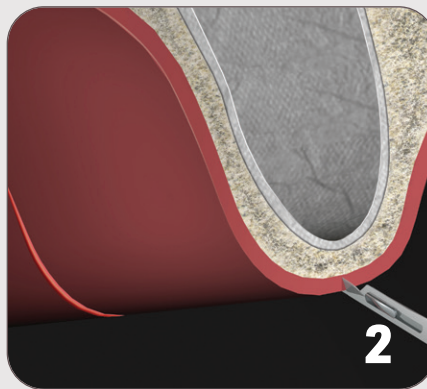
**An excellent way to increase vertical dimension in the posterior maxilla.**

The procedures and techniques presented throughout this catalog are intended to provide basic reference only and should not be substituted for the complete surgical procedure being performed by a licensed practitioner. A complete understanding and execution of the techniques and procedures

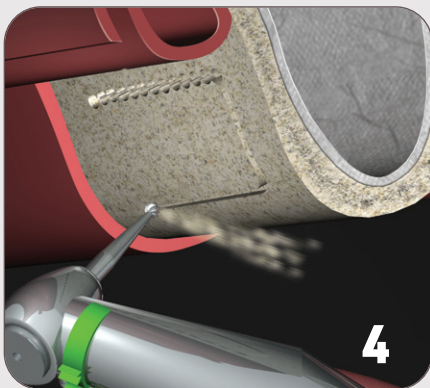
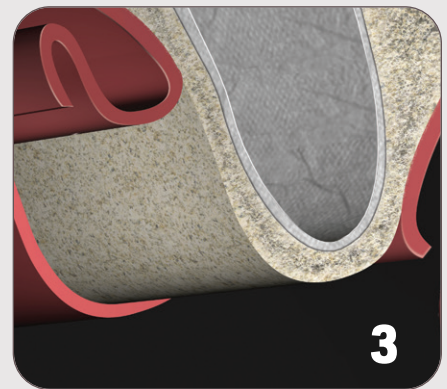
presented within this catalog are the full responsibility of the licensed practitioner. These procedures and techniques are **NOT TO BE SUBSTITUTED** for the practitioner's complete knowledge, education, experience or for any instrumentation or product instruction for use.



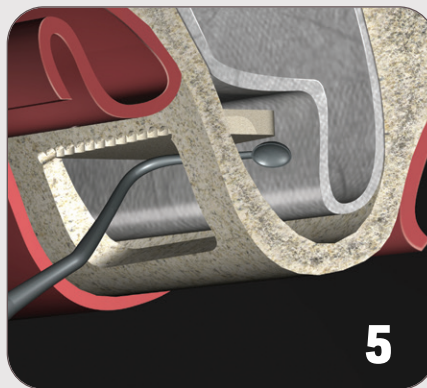
Pre-surgical radiographic assessment is crucial for success. A panoramic radiograph and a CT scan allows for cross-sectional evaluation and determination of any pathology within the sinus. The anatomy is also visualized in the CT Scan.



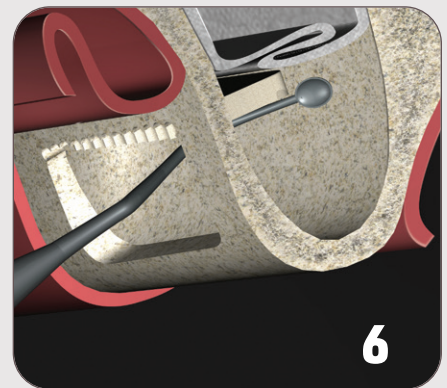
Initial incisions and flap reflection allows for complete access to the lateral wall of the sinus. When teeth are present, intercellular incisions are made and a vertical release incision is performed.



Using paintbrush like strokes, a round bur is utilized to prepare the lateral window opening.

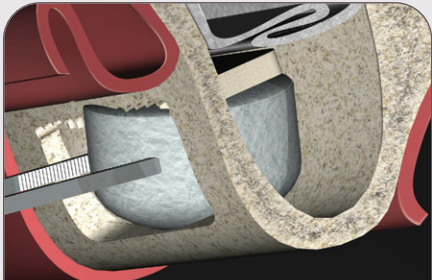


Using the ACE Sinus Lift Kit (003-4194 p.36) or the Hu-Friedy Lateral Sinus Lift Kit (417-KIT3000 p.64), careful membrane reflection is performed with the instrumentation provided within these kits.



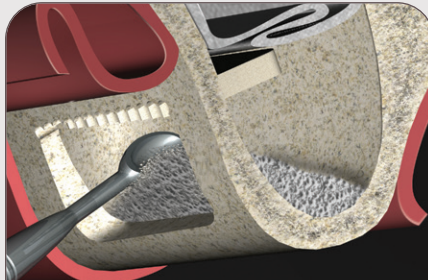
Care is taken to avoid perforation of the membrane and to make sure that reflection is performed along the medial wall. Sufficient reflection should be performed to allow for a 15mm implant fixture.





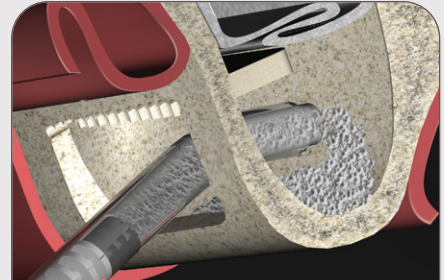
**SURGEON'S CHOICE:**  
EXPANDABLE COLLAGEN **7**

NuOss® XC Sinus Self Expanding Bone Graft Composite can be used to place immediately into the sinus cavity. NuOss® XC Sinus will begin expanding immediately after coming into contact with blood or sterile saline, filling the sinus cavity.



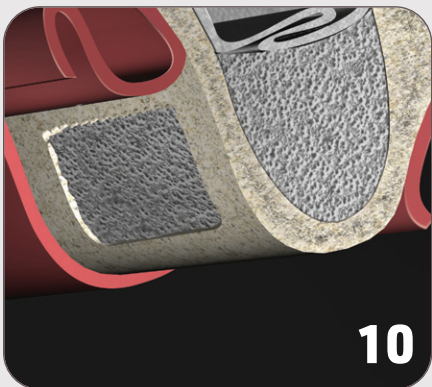
**SURGEON'S CHOICE:**  
BONE GRANULES **8**

NuOss® or alloOss® particulate bone graft can be prepared and placed into the site using a graft delivery spoon or loaded into a graft delivery syringe.



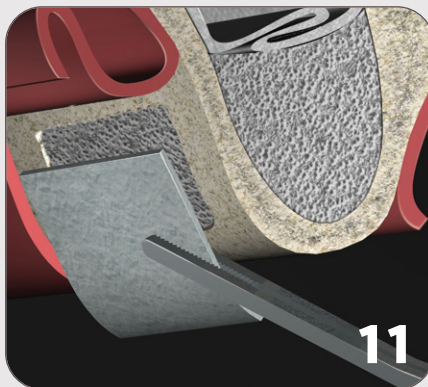
**SURGEON'S CHOICE:**  
PRE-FILLED SYRINGE **9**

NuOss® DS saves time by delivering xenograft particulate through a pre-loaded delivery syringe. Simply follow the hydration steps required for NuOss® DS and deliver directly to the sinus cavity.



**10**

The bone graft is placed along the medial aspect of the sinus working your way to the lateral wall, completely filling the sinus augmentation cavity.



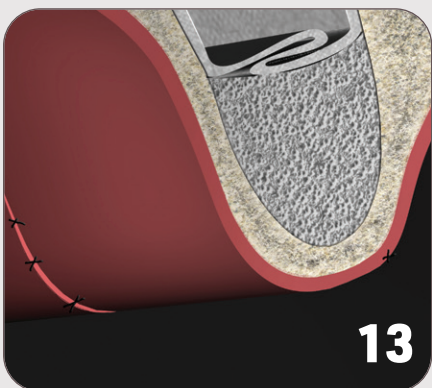
**11**

A membrane is then placed over the lateral wall.



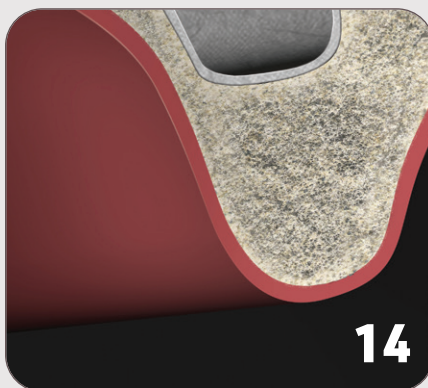
**12** **SURGEON'S CHOICE:**  
TACKING IS OPTIONAL

TruTACKS from the truFIX kit can be used to fixate the resorbable collagen membrane in place before returning the flap for final suturing.



**13**

Once the membrane is securely in place, the site is then sutured.



**14**

After allowing 6-9 months of healing, the host bone is now ready for implants.



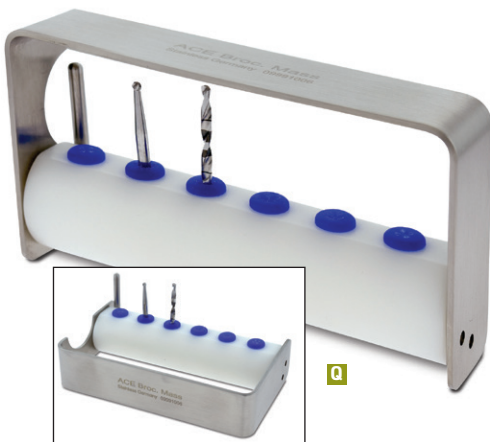
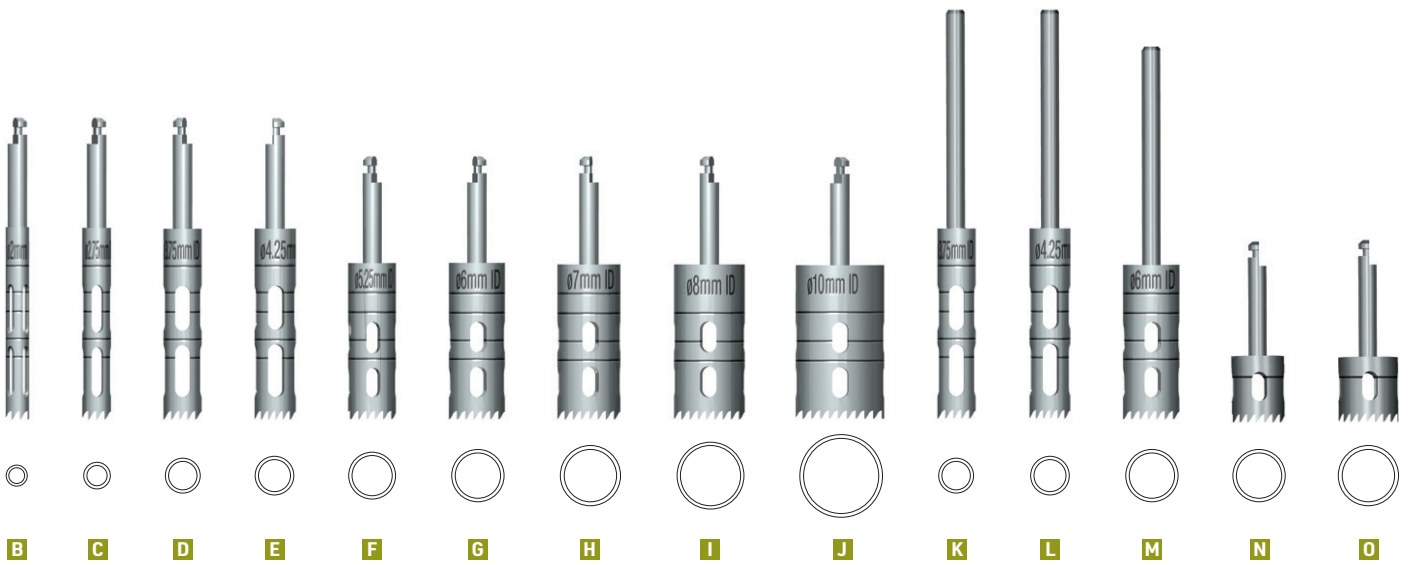
**15**

Use standard implant surgical placement protocols.

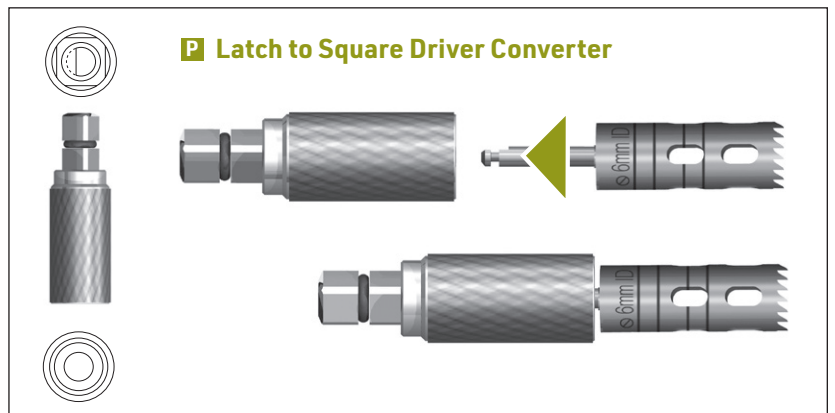
Bone Harvesting



A



Q



P Latch to Square Driver Converter



## Trephine Burs

### Trephine Burs Surgical Kit

- Includes the 9 Contra Angle Trephines **B** through **J** listed below
- Includes the 3 Handpiece Trephines **K** through **M** listed below
- Includes the ACE 2" Square Titanium Bowl and Delrin Case

### Trephine Burs – Contra-Angle

- For harvesting bone in autogenous bone graft placement.
- May be used for retrieval of implants.
- Manufactured from Titanium Alloy (Ti-6Al-4V ELI).
- Internally irrigated to minimize the risk of overheating the bone during drilling.
- Can be used with the Drill Guide Paralleling System to eliminate drill chatter during graft or implant harvesting.
- Laser marked score lines.

### Trephine Burs – Handpiece

- For harvesting bone in autogenous bone graft placement.
- Laser marked score lines.
- Manufactured from Titanium Alloy (Ti-6Al-4V ELI).

### Dr. Smiler's Trephine Burs – Posterior

- For harvesting autogenous bone in the posterior maxillary region.
- Laser marked score line to depth.
- Manufactured from Titanium Alloy (Ti-6Al-4V ELI).

### Latch to Square Driver Converter

- Secures and locks contra shaft for hand or ratchet driver.

### Trephines Used To Retrieve Failed Implants

Implant Diameter	Trephine To Use
3.3mm	04-9482-01
3.5-4.0mm	04-9482-02
4.5-5.0mm	04-9484-01
5.0-6.0mm	04-9485-01



Number	Description	Price	ACE+Plus							
<b>Trephine Burs Surgical Kit</b>										
<b>A</b>	04-94512 Trephine Burs Surgical Kit	\$839.99	<b>\$755.99</b>							
Number	Shank Style	Head Material	I.D.	O.D.	Total Length	Cutting Length	Markings	Price	ACE+Plus	
<b>Trephine Burs – Contra-Angle</b>										
<b>B</b>	04-9480-01	CA	Ti	2mm	2.8mm	35mm	18.5mm	8,10,13,15,18mm	\$82.29	<b>\$69.95</b>
<b>C</b>	04-9480-02	CA	Ti	2.75mm	3.5mm	35mm	18.5mm	8,10,13,15,18mm	82.29	<b>69.95</b>
<b>D</b>	04-9482-01	CA	Ti	3.75mm	4.6mm	35mm	18.5mm	8,10,13,15,18mm	82.29	<b>69.95</b>
<b>E</b>	04-9482-02	CA	Ti	4.25mm	5.10mm	35mm	18.5mm	8,10,13,15,18mm	82.29	<b>69.95</b>
<b>F</b>	04-9484-01	CA	Ti	5.25mm	6.10mm	32mm	15.5mm	8,10,13,15mm	82.29	<b>69.95</b>
<b>G</b>	04-9485-01	CA	Ti	6mm	6.9mm	32mm	15.7mm	8,10,13,15mm	82.29	<b>69.95</b>
<b>H</b>	04-9485-02	CA	Ti	7mm	7.9mm	32mm	15.8mm	8,10,13,15mm	82.29	<b>69.95</b>
<b>I</b>	04-9487-01	CA	Ti	8mm	8.9mm	32mm	14mm	8,10,13mm	82.29	<b>69.95</b>
<b>J</b>	04-9487-02	CA	Ti	10mm	10.8mm	32mm	14mm	8,10,13mm	82.29	<b>69.95</b>
<b>Trephine Burs – Handpiece</b>										
<b>K</b>	04-9492-01	HP	Ti	3.75mm	4.6mm	52mm	18.5mm	8,10,13,15,18mm	82.29	<b>69.95</b>
<b>L</b>	04-9492-02	HP	Ti	4.25mm	5.1mm	52mm	18.5mm	8,10,13,15,18mm	82.29	<b>69.95</b>
<b>M</b>	04-9495-01	HP	Ti	6mm	6.9mm	49mm	15.7mm	8,10,13,15mm	82.29	<b>69.95</b>
<b>Dr. Smiler's Trephine Burs – Posterior</b>										
<b>N</b>	04-9486-01	CA	Ti	6mm	6.9mm	23mm	6.75mm	6mm	82.29	<b>69.95</b>
<b>O</b>	04-9486-02	CA	Ti	7mm	7.9mm	23mm	6.75mm	6mm	82.29	<b>69.95</b>
Number	Description	Size	Price	ACE+Plus						
<b>Latch to Square Driver Converter</b>										
<b>P</b>	20-1554-11 Latch-to-Square Driver Converter	14mm long	\$47.49	<b>\$40.37</b>						
<b>Teflon Trephine Tray</b>										
<b>Q</b>	09-99-1006 Teflon Tray Holds 6 Trephines	3 1/2" (8.5cm)	91.79	<b>82.61</b>						

I.D. = Inside Diameter O.D. = Outside Diameter



## EasyRetrieve Two-Piece Trephine System

The **ACE EasyRetrieve Trephine System** makes using trephines more practical and predictable. The centering pin, when used in conjunction with the 2mm pilot drill, precisely centers the trephine while controlling and virtually eliminating walking and chatter commonly associated with trephine bur use.

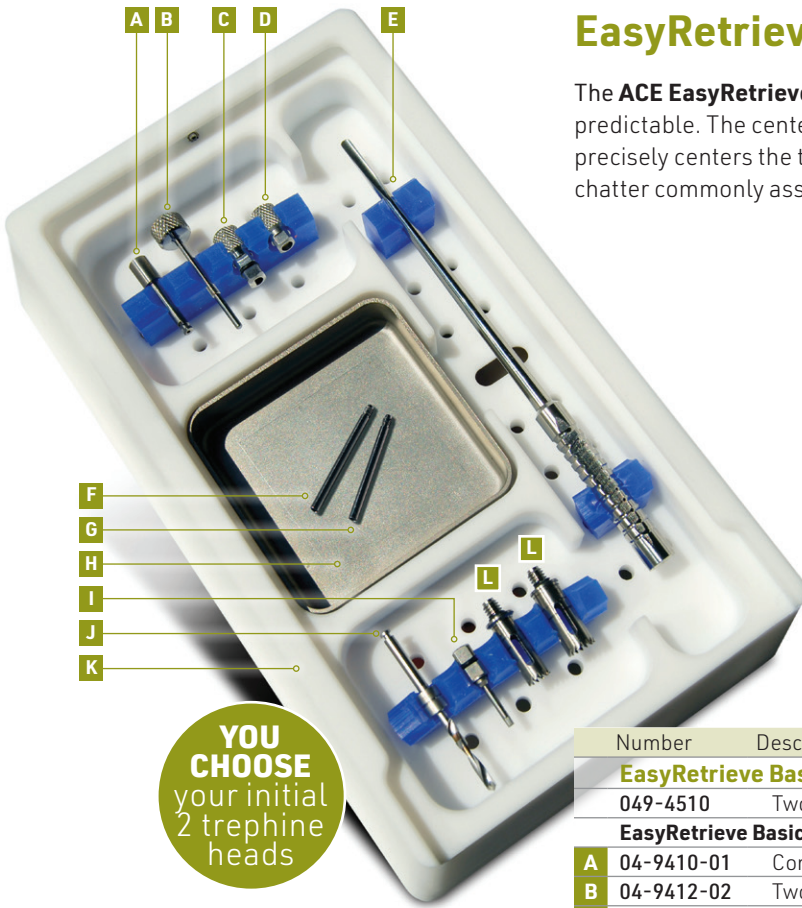
The EasyRetrieve Trephine System allows easy access to the retrieved bone core due to the Two-Piece Trephine Knurled Holder and Bone Removal Tool.

### EasyRetrieve 2mm Trephine:

- Specially designed for clinical case evaluation and research studies
- Retrieve cores quickly and easily

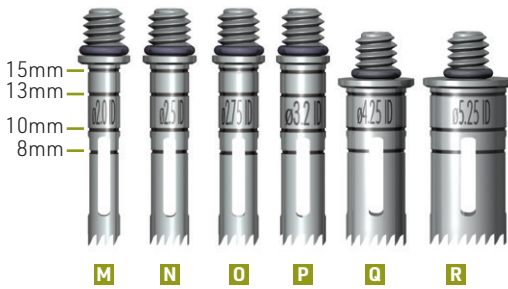
### EasyRetrieve Positive Depth Stop Pins

- Stops trephine advancement at predetermined depths
- Inserts securely into trephine
- Additional details on the bottom of page 43



**YOU CHOOSE**  
your initial  
2 trephine  
heads

Trephines Shown Enlarged



Actual Size						
<b>I.D.</b>	ø2.0	ø2.5	ø2.75	ø3.2	ø4.25	ø5.25
<b>O.D.</b>	ø2.8	ø3.2	ø3.5	ø4.0	ø5.0	ø6.0

I.D. = Inside Diameter O.D. = Outside Diameter



**MORE DETAILS**  
on page 43

Number	Description	Price	ACE+Plus
<b>EasyRetrieve Basic Kit</b>			
049-4510	Two-Piece Trephine Kit with Drill Guide	\$872.99	<b>\$785.69</b>
<b>EasyRetrieve Basic Kit Includes:</b> (available separately)			
<b>A</b>	04-9410-01 Contra Angle Driver Shaft	40.79	<b>34.67</b>
<b>B</b>	04-9412-02 Two-Piece Bone Removal Tool	36.29	<b>30.85</b>
<b>C</b>	20-1554-11 CA Ratchet Extension/Hand Driver Tool	47.49	<b>40.37</b>
<b>D</b>	04-9413-01 Two-Piece Trephine Knurled Holder	53.99	<b>45.89</b>
<b>E</b>	04-9418-01 Bone Core Separator Tool, 4.5" length	87.79	<b>74.62</b>
<b>F</b>	04-9411-09 23mm Drill Guide (for 3.5 I.D. & smaller trephines)	30.99	<b>26.34</b>
<b>G</b>	04-9411-08 22mm Drill Guide (for 4.25 I.D. & larger trephines)	30.99	<b>26.34</b>
<b>H</b>	96-004-49 Square Titanium Bowl	101.79	<b>91.61</b>
<b>I</b>	20-1510-01 Installation & Removal Tool, 1.25mm Hex	36.29	<b>30.85</b>
<b>J</b>	12-37-0020 2.0mm CA Twist Drill, 20mm cutting length	91.79	<b>89.04</b>
<b>K</b>	20-1950-13 Delrin Tray	259.99	<b>233.99</b>
<b>L</b>	<b>You choose 2 trephines <b>M</b> through <b>R</b> that best fit your needs</b> (with Basic Kit)	No Charge	No Charge

### EasyRetrieve Available Trephine Heads (Titanium)

Number	I.D.	O.D.	Laser Markings	Price	ACE+Plus	
<b>M</b>	04-9420-01	2.0mm	2.8mm	8-10-13-15 (head only)	\$85.99	<b>\$73.09</b>
<b>N</b>	04-9420-02	2.5mm	3.2mm	8-10-13-15 (head only)	85.99	<b>73.09</b>
<b>O</b>	04-9420-03	2.75mm	3.5mm	8-10-13-15 (head only)	85.99	<b>73.09</b>
<b>P</b>	04-9420-04	3.2mm	4.0mm	8-10-13-15 (head only)	85.99	<b>73.09</b>
<b>Q</b>	04-9422-01	4.25mm	5.0mm	8-10-13 (head only)	85.99	<b>73.09</b>
<b>R</b>	04-9422-02	5.25mm	6.0mm	8-10-13 (head only)	85.99	<b>73.09</b>

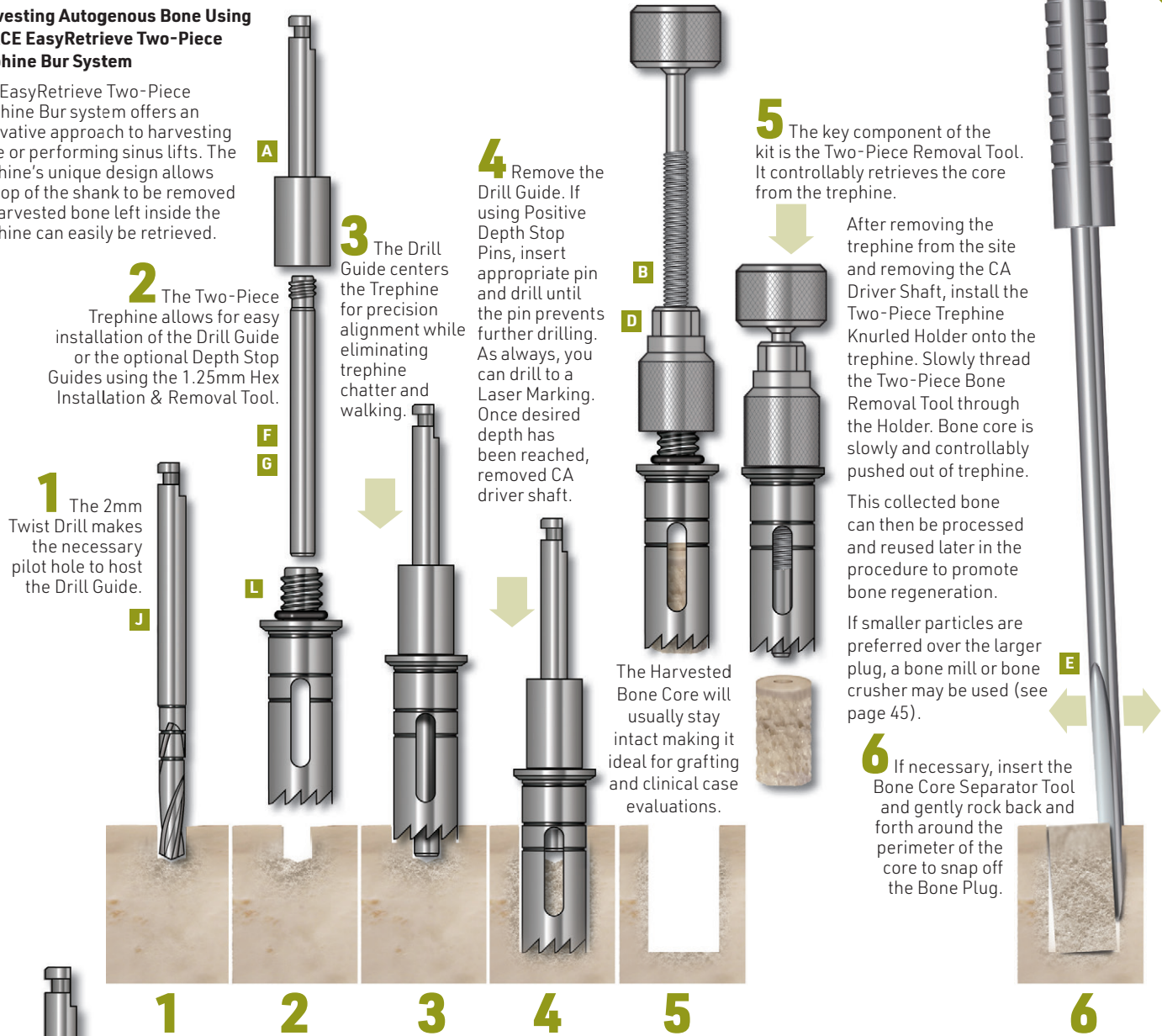
### EasyRetrieve Positive Depth Stop Pins (Titanium)

Number	Description	Price	ACE+Plus
<b>EasyRetrieve Positive Depth Stop Kit</b>			
<b>S</b>	04-9411-00 Set of four: 4mm, 6mm, 8mm and 10mm	\$96.29	<b>\$86.66</b>
<b>Additional EasyRetrieve Positive Depth Stop Pins (Titanium)</b>			
<b>T</b>	04-9411-03 13mm Positive Depth Stop Pin	30.99	<b>26.34</b>
<b>U</b>	04-9411-04 15mm Positive Depth Stop Pin	30.99	<b>26.34</b>
<b>V</b>	04-9411-05 17mm Positive Depth Stop Pin	30.99	<b>26.34</b>

I.D. = Internal Diameter O.D. = Outer Diameter

**Harvesting Autogenous Bone Using an ACE EasyRetrieve Two-Piece Trehine Bur System**

The EasyRetrieve Two-Piece Trehine Bur system offers an innovative approach to harvesting bone or performing sinus lifts. The trephine's unique design allows the top of the shank to be removed so harvested bone left inside the trephine can easily be retrieved.



**2** The Two-Piece Trehine allows for easy installation of the Drill Guide or the optional Depth Stop Guides using the 1.25mm Hex Installation & Removal Tool.

**1** The 2mm Twist Drill makes the necessary pilot hole to host the Drill Guide.

**3** The Drill Guide centers the Trehine for precision alignment while eliminating trephine chatter and walking.

**4** Remove the Drill Guide. If using Positive Depth Stop Pins, insert appropriate pin and drill until the pin prevents further drilling. As always, you can drill to a Laser Marking. Once desired depth has been reached, removed CA driver shaft.

**5** The key component of the kit is the Two-Piece Removal Tool. It controllably retrieves the core from the trephine.

After removing the trephine from the site and removing the CA Driver Shaft, install the Two-Piece Trehine Knurled Holder onto the trephine. Slowly thread the Two-Piece Bone Removal Tool through the Holder. Bone core is slowly and controllably pushed out of trephine.

This collected bone can then be processed and reused later in the procedure to promote bone regeneration.

If smaller particles are preferred over the larger plug, a bone mill or bone crusher may be used (see page 45).

**6** If necessary, insert the Bone Core Separator Tool and gently rock back and forth around the perimeter of the core to snap off the Bone Plug.

The Harvested Bone Core will usually stay intact making it ideal for grafting and clinical case evaluations.

**1 2 3 4 5 6**

**Positive Stop Depth Guide**

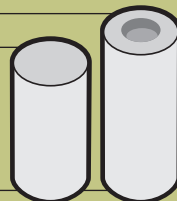
When trephine depth is essential, the Positive Stop Depth Guide is the option you'll want on site. Available as a set, the series of varied size guides are designed to stop at each trephine's laser markings.

**Caution:** The trephine advancement stops when the Depth Guide hits bone. **If there was a 2mm pilot hole drilled the trephine will advance 2mm deeper.**

Height of harvested core with pilot hole

Height of harvested core without pilot hole

Bottom of harvested core



**Bone Core Depth\* Using the Depth Stop Pins**

\* Without pilot hole. Add the depth of the pilot hole to the actual depth.

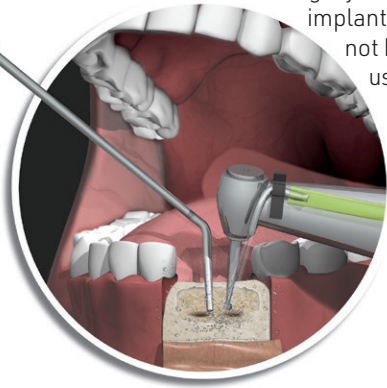
Trehine	I.D.	M	N	O	P	Q	R
		ø2.0	ø2.5	ø2.75	ø3.2	ø4.25	ø5.25
Depth Stop Pin Length	4mm	15mm	15mm	15mm	15mm	13mm	13mm
	6mm	13mm	13mm	13mm	13mm	11mm	11mm
	8mm	10mm	10mm	10mm	10mm	8mm	8mm
	10mm	8mm	8mm	8mm	8mm	6mm	6mm
	13mm	6mm	6mm	6mm	6mm	4mm	4mm
	15mm	4mm	4mm	4mm	4mm	2mm	2mm
	17mm	2mm	2mm	2mm	2mm	0	0

## AutoGrafter™ Autogenous Bone Collector

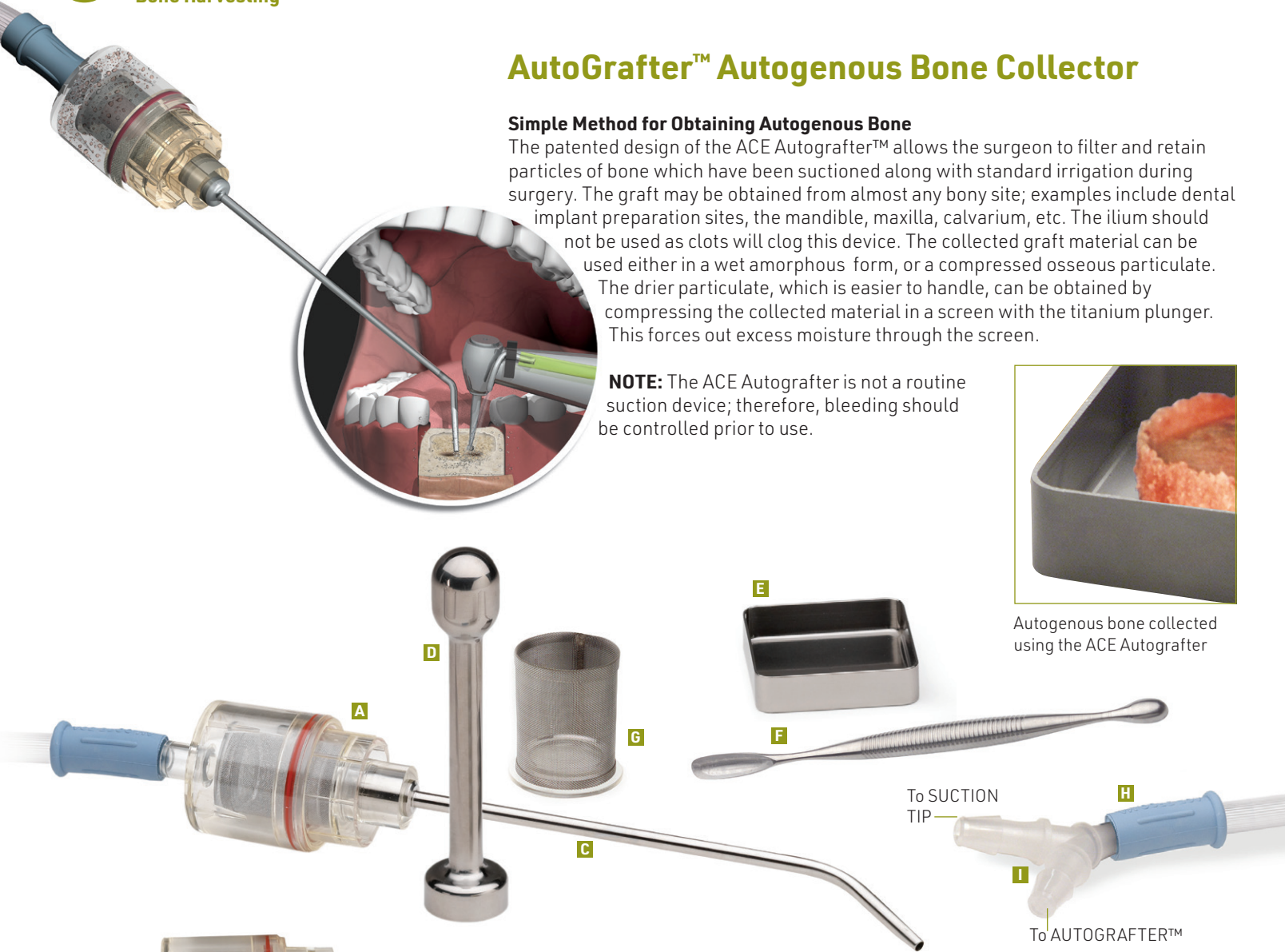
### Simple Method for Obtaining Autogenous Bone

The patented design of the ACE AutoGrafter™ allows the surgeon to filter and retain particles of bone which have been suctioned along with standard irrigation during surgery. The graft may be obtained from almost any bony site; examples include dental implant preparation sites, the mandible, maxilla, calvarium, etc. The ilium should not be used as clots will clog this device. The collected graft material can be used either in a wet amorphous form, or a compressed osseous particulate. The drier particulate, which is easier to handle, can be obtained by compressing the collected material in a screen with the titanium plunger. This forces out excess moisture through the screen.

**NOTE:** The ACE AutoGrafter is not a routine suction device; therefore, bleeding should be controlled prior to use.



Autogenous bone collected using the ACE AutoGrafter



ACE AutoGrafter for HVAC



ACE AutoGrafter for inline suction tubing

Number	Description	Quantity	Price	ACE+Plus
<b>ACE AutoGrafter™ Start Up Kit</b>				
003-4215	Includes below items: <b>A</b> , <b>C</b> , <b>D</b> and <b>G</b>	each	\$430.79	<b>\$387.71</b>
<b>ACE AutoGrafter™</b> each AutoGrafter includes 1 non-sterile screen <b>G</b>				
<b>A</b> 003-4212	ACE AutoGrafter for HVAC Tip, Autoclavable	each	210.29	<b>189.26</b>
<b>B</b> 003-4210	ACE AutoGrafter, Autoclavable	each	182.99	<b>164.69</b>
<b>ACE AutoGrafter™ Accessories</b>				
<b>C</b> 09-000-24	HVAC Suction Tip, 4mm Tip, 45° Angle, 7" (18cm)	each	30.99	<b>27.89</b>
<b>D</b> 003-4211	Titanium Plunger, 4-1/4", 11cm	each	114.79	<b>103.31</b>
<b>E</b> 96-004-49	Square Titanium Bowl, 12mm Deep, 50 x 50mm	each	101.79	<b>91.61</b>
<b>F</b> 10-002-16	Implant Curette with Round Cups, 5-1/2" (14cm) Titanium, Cups are 5 x 10mm & 6 x 20mm	each	110.99	<b>99.89</b>
<b>G</b> 646-2001	Screen Assembly, Disposable, Non-sterile, 12cc	4/box	83.49	<b>75.14</b>
<b>G</b> 646-2002	Screen Assembly, Disposable, Sterile, 12cc	10/box	129.49	<b>116.54</b>
<b>H</b> 003-0276	Suction Connection Tubing, Sterile, 1' (3cm)	each	4.49	<b>4.36</b>
<b>H</b> 003-4238	Suction Connection Tubing, Sterile, 3' (.9m)	20/case	57.99	<b>56.25</b>
<b>H</b> 003-4239	Suction Connection Tubing, Sterile, 6' (1.8m)	20/case	78.99	<b>76.62</b>
<b>I</b> 705-4005	Y Connector, 7.5mm I.D., 11.5mm O.D.	each	5.49	<b>5.33</b>

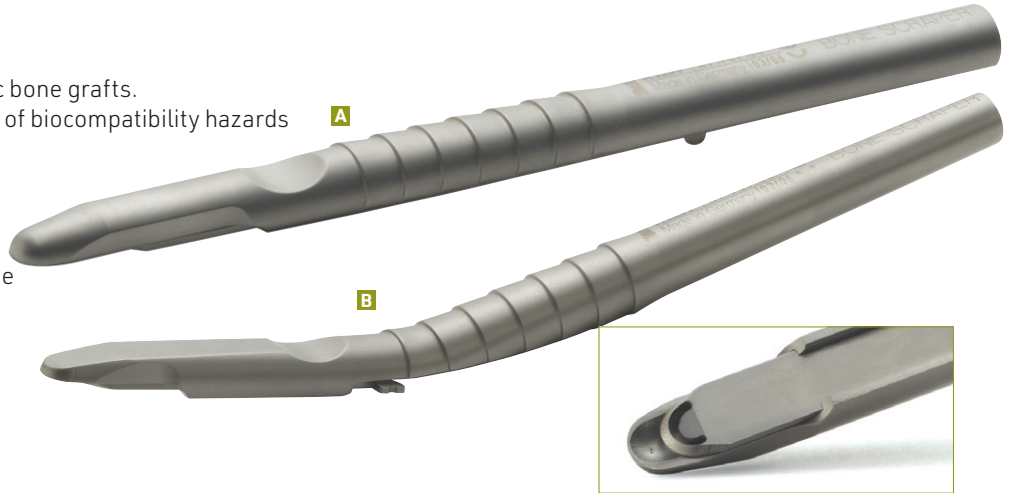


## Bone Harvesting

### Reusable Bone Scrapers **A B**

The tool for simple and fast recovery of allogenic bone grafts.

- Made of surgical-grade stainless steel, free of biocompatibility hazards **A**
- Easy to clean and sterilize
- Reusable, cutting blade can be replaced



### Bone Crusher **C**

The Bone Crusher introduces an alternative to the Bone Mill. Insert the bone piece into the crusher and use the pestle in order to crush the bone. If necessary, you may additionally use a mallet.

- Stainless steel
- Crushing surface: 20mm



### Bone Mill **D**

- Heavy-duty, high-quality Bone Mill specifically engineered for use in bone augmentation and reconstruction of defects for dental implantology
- Simple and fast grinding of autologous cortical bone material
- Particle size depends upon rotation and pressure used. A slower rotation with more pressure on the cap results in larger bone particles. A faster rotation with less pressure results in a smaller bone particulate.
- Basin can hold approximately 18.8cc
- All parts can be steam sterilized



Cutting Cylinder



Number	Description	Quantity	Price	ACE+Plus
<b>Bone Scraper, Straight</b>				
<b>A</b> 398-95700	Bone Scraper, Straight, Stainless Steel	w/1 blade	\$266.29	<b>\$239.66</b>
398-95701	Replacement Blade for 398-95700	each	128.99	<b>116.09</b>
<b>Bone Scraper, Angulated</b>				
<b>B</b> 398-95900	Bone Scraper, Angulated, Stainless Steel	w/1 blade	317.79	<b>286.01</b>
398-95901	Replacement Blade for 398-95900	each	128.99	<b>116.09</b>
<b>Bone Crusher</b>				
<b>C</b> 96-000-50	Bone Crusher	each	268.29	<b>241.46</b>
<b>Bone Mill</b>				
<b>D</b> 68-82-75	ACE Bone Mill	each	512.99	<b>461.69</b>

## Ridge Expanding Kit

### Simplifying the Treatment of Atrophic Maxillary or Mandibular Ridges

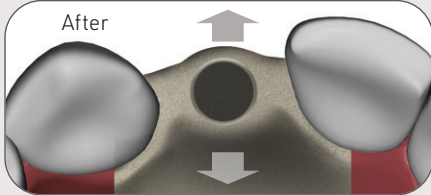
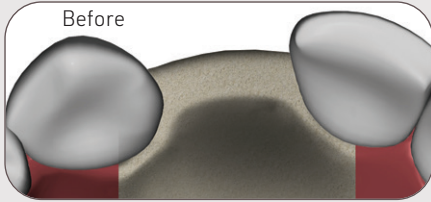
- Discover a safe, controllable way to widen a thin ridge to one capable of accommodating an implant up to 4.5mm without compromising cortical bone.
- The slowly revolving dilators of increasing diameter gently widen the bone in a risk free procedure to the exact depth and direction of the final implant.
- After each dilator is inserted, allow 30-60 seconds before removing it. This allows time for the elasticity of the bone to respond.
- Laser markings provide accurate guidance for the placement of implants into the newly expanded ridge.



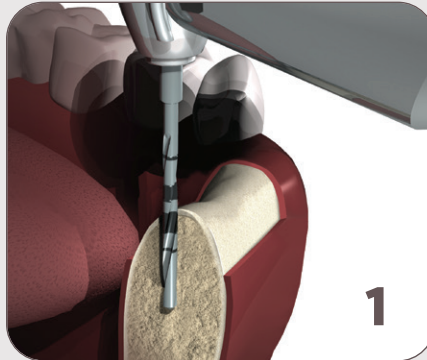
Number	Description	Price	ACE+Plus
<b>Ridge Expansion Kit</b>			
055-60000	Ridge Expanding Kit (Set of 4 with surgical kit)	\$597.79	\$538.01
<b>Individual Kit Includes:</b> (available separately)			
055-60201	2.5mm Bone Expander	51.99	44.19
055-60301	3.1mm Bone Expander	51.99	44.19
055-60401	3.6mm Bone Expander	51.99	44.19
055-60501	4.3mm Bone Expander	51.99	44.19
04-9734-01	Connection Driver Tool (Hex), for CA Handpiece	98.79	83.97
96-002-28	Universal Ratchet	148.99	134.09
20-1558-11	Driver Extender (Hex)	98.79	88.91
96-004-49	Square Titanium Bowl	101.79	91.61
20-1950-12	Autoclavable Tray	128.79	115.91

## Ridge Expanding Procedure

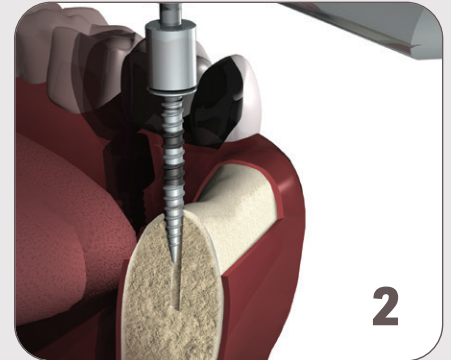
Simplifying the treatment of atrophic maxillary or mandibular ridges.



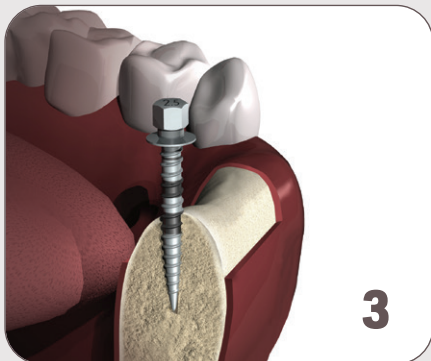
This technique takes advantage of the innate elasticity and flexibility of bone. Through a series of progressively wider expanders, SLOW, STEADY pressure is created as the expander advances the alveolar bone without raising a complete flap, allowing an implant to be placed with minimal ridge splitting.



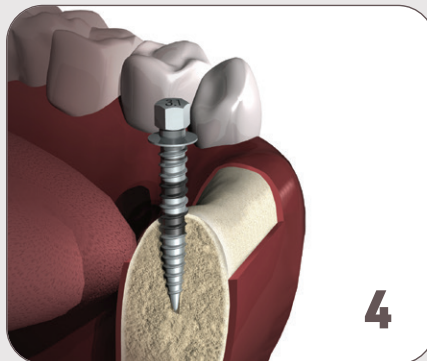
Prepare the osteotomy for ridge expansion using a Pilot Step Drill. Drill an initial osteotomy at the location of the expansion and final implant, drill to implant depth.



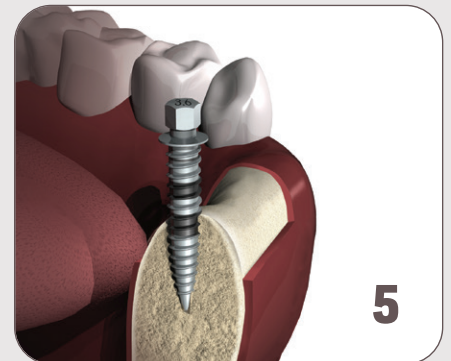
Use either a contra-angle or hand driver tool to drive the expanders. Using the 2.5mm expander, tap into the prepared pilot hole to the appropriate implant length. Drilling speed should be 25 rpm.



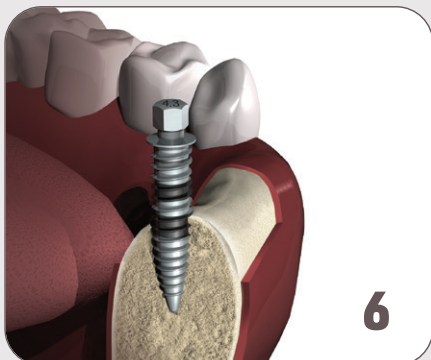
Using the laser markings provided, insert to match the implant's length.



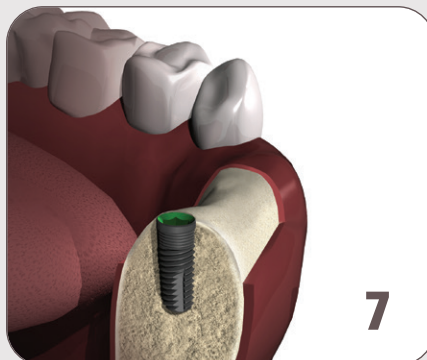
Use the 3.1mm expander next and increase the size of the osteotomy. Drive the expander to appropriate implant length. This is your final expander when placing a 3.75mm implant. Drilling speed should be 25 rpm.



Use the 3.6mm as the final expander when placing a 4.1mm implant. Drive the expander to appropriate implant length. Drilling speed should be 25 rpm.



If placing a 4.75-5.0mm implant, continue with the 4.3mm bone expander. Drive the expander to appropriate implant length. Drilling speed should be 25 rpm.



Insert the appropriate size implant into the osteotomy, which now has a compressed bony interface. Seat the desired implant and close soft tissue.

The procedures and techniques presented throughout this catalog are intended to provide basic reference only and should not be substituted for the complete surgical procedure being performed by a licensed practitioner. A complete understanding and execution of the techniques and procedures presented within this catalog are the full responsibility of the licensed practitioner. These procedures and techniques are NOT TO BE SUBSTITUTED for the practitioner's complete knowledge, education, experience or for any instrumentation or product instruction for use.



Ridge Expansion



### Ridge Expanding Chisel Kit

- All Ridge Expanding Chisels are 6", 15cm
- All chisels and tray may be purchased separately
- Markings at 8, 10, 13, 15 and 18mm



Number	Description	Price	ACE+Plus
<b>Ridge Expanding Chisel Kit</b>			
454-4700	Ridge Expanding Chisel Kit (Set of 4 with tray, handle)	\$323.79	\$291.41
<b>Ridge Expanding Chisel Kit Includes:</b> (available separately)			
454-4701	3.0 mm Ridge Chisel	69.29	62.36
454-4801	4.0 mm Ridge Chisel	69.29	62.36
454-4901	5.0 mm Ridge Chisel	69.29	62.36
454-4501	9.5 mm Ridge Chisel	69.29	62.36
454-1501	Chisel Handle (Uses 1.25mm Hex Driver)	53.99	48.59
765-1090	Autoclavable Tray	88.29	85.64

### Single Stage Ridge Split



1  
Thin anterior maxillary ridge requiring expansion. An initial incision and flap reflection is made to allow access to the ridge.

2  
Small diameter pilot drill is introduced to mark implant site.

3  
(Option for Soft Bone) An initial crest osteotomy can be started with an ACE Mini Blade (786-6400).

4  
Vertical osteotomy cuts performed with Ridge Expanding Chisel through the buccal cortex in an oblique fashion followed by horizontal osteotomy at ridge crest.

5  
ACE Site Dilator can be used to prepare the expanded osteotomy for implant placement.

6  
7  
Implant osteotomy site is completed using chosen implant protocols. Implant in place; labial ridge preserved.

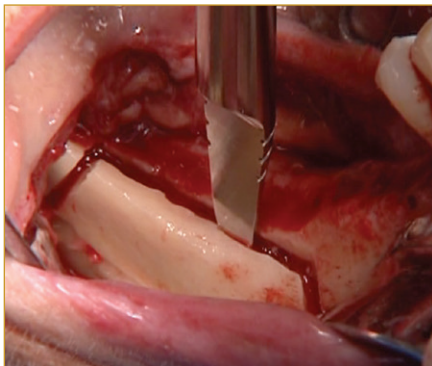
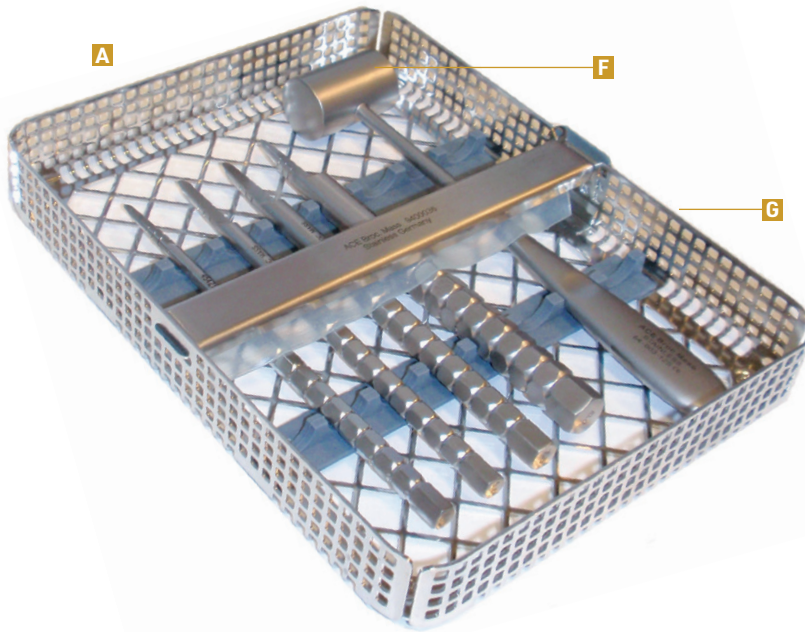
Reference Article: Palti A. Ridge Splitting and Implant Techniques for the Anterior Maxilla. Dental Implantology Update 2003; Volume 14, Number 4.

The procedures and techniques presented throughout this catalog are intended to provide basic reference only and should not be substituted for the complete surgical procedure being performed by a licensed practitioner. A complete understanding and execution of the techniques and procedures presented within

this catalog are the full responsibility of the licensed practitioner. These procedures and techniques are NOT TO BE SUBSTITUTED for the practitioner's complete knowledge, education, experience or for any instrument or product instruction for use.

## Bone Spreader Osteotome Kit

- Designed for taking chin and ramus monocortical block grafts.
- Single end handle can be tapped with a mallet.
- Markings at 13mm, 16mm and 19mm.
- D-contoured tips to avoid fracturing weaker bony wall.
- Instruments and tray are made from surgical grade stainless steel.



The Bone Spreader Osteotome is in place, separating the block graft from the ramus on the mandible. The site was prepared and the crest burnished. The crest is then perforated to outline the graft using a .75mm round bur. The outline should be 4-5mm medial from the buccal plate. The length of the graft is determined using a caliper. A 702L bur is used to connect the perforations to the length of the graft. Vertical anterior and posterior cuts are made with the 702L bur 10-12mm in length. At the vertical depth, the buccal plate is scored using a #8 round bur. The block graft is out-fractured using the bone spreader osteotome.

Number	Description	Price	ACE+Plus
<b>Bone Spreader Osteotome Kit</b>			
<b>A</b>	454-2106 Includes 4 Bone Spreaders, mallet and tray	\$445.29	<b>\$400.76</b>
<b>Osteotome Kit Includes:</b> (available separately)			
<b>B</b>	454-2102 Osteotome Bone Expander 4.3mm 27mm Scoop	98.79	<b>88.91</b>
<b>C</b>	454-2103 Osteotome Bone Expander 5.45mm 26mm Scoop	98.79	<b>88.91</b>
<b>D</b>	454-2104 Osteotome Bone Expander 7.5mm 26mm Scoop	98.79	<b>88.91</b>
<b>E</b>	454-2105 Osteotome Bone Expander 10.0mm 27mm Scoop	98.79	<b>88.91</b>
<b>F</b>	64-003-12S Surgical Mallet, Stainless Steel (shown in kit) 6-1/2" (16.5cm)	77.99	<b>70.19</b>
<b>G</b>	94-000-36 Instrument Tray with supports and 1 retainer 175 x 140 x 24mm	130.49	<b>117.44</b>



# Implantmed Plus Surgery Unit

**Accurate, powerful and uncomplicated.**

Your reliable partner in implantology and oral surgery. Implantmed Plus has been specially designed for use in dental implantology.

Implantmed Plus gives you the tools for oral surgery procedures in the fields of implantology and maxillofacial surgery with maximum precision.

**Safe** - New implant placing and stability determining feature

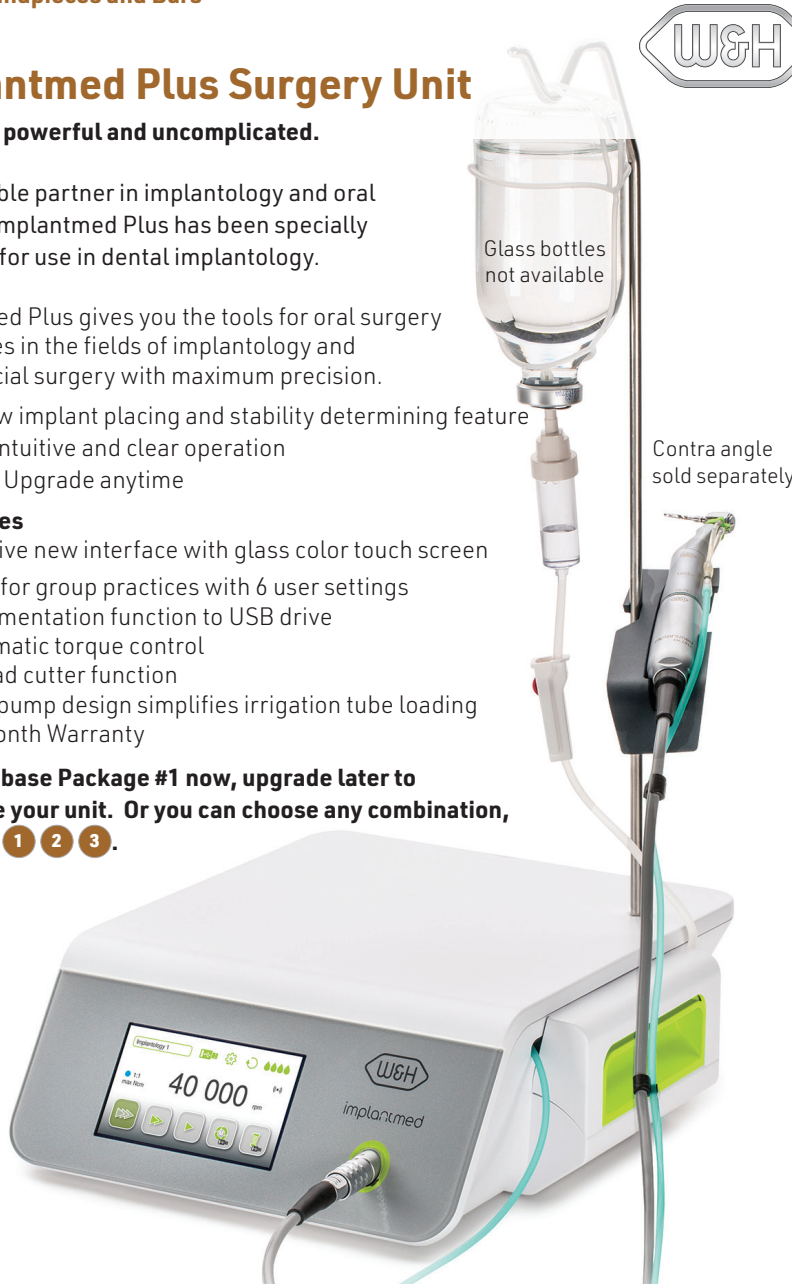
**Simple** - Intuitive and clear operation

**Flexible** - Upgrade anytime

**Advantages**

- Intuitive new interface with glass color touch screen
- Ideal for group practices with 6 user settings
- Documentation function to USB drive
- Automatic torque control
- Thread cutter function
- New pump design simplifies irrigation tube loading
- 24 month Warranty

**Purchase base Package #1 now, upgrade later to customize your unit. Or you can choose any combination, simple as 1 2 3.**



Number	Description	1	2	3	Price	ACE+Plus
<b>Implantmed Plus SI-1015 Surgery Unit Packages</b>						
747-00207	<b>Package 1</b>	SI-1015	EM-19	-	Wired	\$4,077.29 <b>\$3,954.97</b>
747-00208	<b>Package 2</b>	SI-1015	EM-19	Yes	Wired	7,576.29 <b>7,349.00</b>
747-00209	<b>Package 3</b>	SI-1015	EM-19	-	Wireless	4,585.99 <b>4,448.41</b>
747-00210	<b>Package 4</b>	SI-1015	EM-19	Yes	Wireless	7,873.29 <b>7,637.09</b>
747-00211	<b>Package 5</b>	SI-1015	EM-19 LC	-	Wired	4,660.79 <b>4,520.97</b>
747-00212	<b>Package 6</b>	SI-1015	EM-19 LC	Yes	Wired	7,947.49 <b>7,709.07</b>
747-00213	<b>Package 7</b>	SI-1015	EM-19 LC	-	Wireless	4,875.29 <b>4,729.03</b>
747-00214	<b>Package 8</b>	SI-1015	EM-19 LC	Yes	Wireless	8,000.29 <b>7,760.28</b>
<b>Replacement Motor/Cable and Accessories for Implantmed SI-1015</b>						
747-85000	EM-19 Motor/Cable Implantmed Plus SI-1015, 5.9' (1.8m)				1,612.29	<b>1,563.92</b>
747-81000	EM-19 LED+ Motor/Cable Implantmed Plus SI-1015, 5.9' (1.8m)				2,195.49	<b>2,129.63</b>
747-81001	EM-19 LED+ Motor/Cable Implantmed Plus SI-1015, 11.5' (3.5m)				2,301.49	<b>2,232.45</b>
747-10000	Osstell ISQ module for Implantmed Plus SI-1015				3,499.79	<b>3,394.80</b>

Additional W&H accessories can be found on page 56.



**The EM-19 or the EM-19 LC Motor**

**Both motor's features:**

- 10mm shorter, over 21g lighter
- 200 - 40,000 RPM
- 5.9' (1.8 m) motor/cable length
- 6.2 Ncm motor power, up to 80 Ncm at drill
- Built for the Implantmed Plus SI-1015 Surgery Unit Only
- Compatible with LED G and LG which don't require the EM-19 LC motor for LED

**1 YOU CHOOSE**  
With or Without LC LED



The new EM-19 Motors are shorter and lighter than previous motors.

**The EM-19 LC difference:**

- The LC (Light Contacts) model powers the new "L" series LED lights electrically, not by the motors rotation speed
- This constant power source provides full brightness, even at low speeds, where other lights normally dim

**W&H Osstell ISQ Module**

- Check implants primary stability
- Monitor implants osseointegration
- Immediate, early or delayed placement?
- Document implant stability and ISQ
- Peace of mind
- ISQ = Implant Stability Quotient

**2 YOU CHOOSE**  
With or Without Osstell ISQ



**Wired or Wireless Foot Control Option**

**Foot Control features:**

- Wired foot pedal with multifunctional buttons and variable speed control
- Control the functions of the Implantmed Plus SI-1015, SI-915 white unit, Elcomed SA-310 and Piezomed SA-320 with only one foot control

**3 YOU CHOOSE**  
Wired or Wireless Foot Control



**Wireless only features:**

- No cables - no mess
- Freedom of movement
- Surgical team safety
- Long battery life
- Familiar interactive programmability, control locations and pedal sensitivity





# Elcomed Surgery Unit

Safe, reliable and powerful.

The W&H Elcomed has been designed specifically to meet the requirements of maxillofacial surgery. In addition to the expert knowledge of the surgeon, the drive unit is also a pivotal factor in the success of a surgical or implant procedure.

### #1 in the Surgical Operatory

Elcomed from W&H is a high-quality innovative solution for maxillofacial surgery, dental surgery and implantology.

### Powerful, Versatile Motor

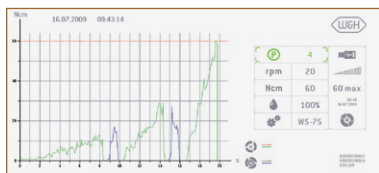
Shortest and lightest motor with 50,000 rpm and 7 Ncm, can be used with all instruments that have an e-type / ISO 3964 handpiece connection.

### One Display, Many Possibilities

Elcomed makes complicated processes as simple as possible. All necessary parameters can be set very easily using just one operating stage. In addition to revolutions per minute and torque, the supply of irrigation can also easily be adjusted during use. Six programs for the most frequent recurring operational procedures can be saved at the first start-up.

### Advantages

- All information in one user level
- Optional documentation via W&H USB flash drive (see image below)
- Shortest and lightest motor with 50,000 rpm
- Up to 80 Ncm on the rotary instrument
- 6 programs with individually adjustable parameters
- Automatic thread cutter function
- Motor with cable is thermo washer disinfectable and sterilizable



Optional: Elcomed is also sold with a longer motor cable and in unit configurations with or without USB flash drive for documentation.

### Each Elcomed Unit Includes:

- Control Unit with Wired S-N1 Foot Control
- Motor and 5.9' (1.8m) Cable
- Irrigation Stand with Motor/Handpiece Support
- 3 Disposable Irrigation Tubing Sets and 5 Tubing Clips
- Mains Cable, 2 Locking Pins
- 1 Year Warranty



Glass bottles not available

Contra angle sold separately

Interactive Foot Control Unit included.



Call customer service about upgrading to the wireless foot control S-NW with update SPI (# 747-64001). Cannot be included (swapped out) with Elcomed purchase.

Number	Description	Price	ACE+Plus
<b>Elcomed Surgery Unit with Motor and Foot Control</b>			
747-3100	SA-310, with USB Documentation	\$8,179.79	\$7,934.40
747-3102	SA-310, without USB Documentation	7,672.99	7,442.80
<b>Replacement Motor and Cable</b>			
747-3400	Spare Motor & Cable / 5.9' (1.8m)	2,297.29	2,228.37
747-5800	Spare Motor & Cable / 11' (3.5m)	2,335.29	2,265.23

Additional W&H accessories can be found on page 56.

## Contra-Angle Handpieces

Durable, ergonomic and robust.



W&H contra-angle handpieces are specifically designed for fatigue-free and flexible operation in the areas of oral, maxillofacial surgery and implantology. The high quality stainless steel of each handpiece with special scratch-resistant coating makes these handpieces particularly robust.

### Providing The Best Treatment

The high standards required for the achievement of optimum surgical results are met by the W&H range of surgical contra-angles, whose design is the result of close attention to detail, high operational safety and stainless steel construction.

- Able to be fully dismantled for thorough cleaning, which allows W&H handpieces to meet the most stringent hygiene requirements (except WI-75 E/KM)
- Thermo washer disinfected and sterilizable
- Durable and robust due to high-quality stainless steel and scratch-resistant coating
- Wide range for all surgical applications
- Able to dismantle for thorough cleaning
- Thermo washer disinfected and sterilizable
- Coupling System: ISO 3964 (DIN 13.940)
- All W&H Surgical and L G handpieces work with all E-Type motors, although the L Series work specifically with the EM-19 LC motor
- 1 Year Warranty (2 Year Warranty on L Series)
- 6 Months Warranty on W&H Factory Repairs

### L G Series Mini LED+ Handpieces

W&H LG (Light Generator) Mini LED+ handpieces provide daylight quality lighting where you need it most – directly at the surgical sight, producing optimal visibility and natural red tones. Light is delivered through an independent power supply with an integrated generator built into the handpiece. The handpieces RPM creates the light, so the LED light gets brighter at higher RPM speeds and there is no light at low speeds.

### L Series Mini LED+ Handpieces

The new L series Mini LED+ handpieces also provide daylight quality lighting and natural red tones, while shining at full brightness, even at slower “implant placement” speeds. The L series will only work with the new EM-19 motors and new Implantmed SI-1015, but they will require the EM-19 LC (Light Contacts) motor to power L series LED+ light.

### WS-56 Surgical Contra-angle, 1:1

#### A, B and C

- Designed for difficult surgical procedures
- 3 Models Available: **Standard** (no light), **L G LED+** (light powered by RPM), **L LED+** (for EM-19/EM-19 LC only)
- Push-Button coupling system, uses surgical burs and cutters with contra-angled latch-type shank (Ø 2.35 mm surgical length burs), single spray
- Maximum drive speed: 50,000 RPM (40,000 RPM for WS-56 L G)
- Indications: Maxillary and Mandibular Osteotomy, Germectomy, Sequestrectomy

### WS-75 Surgical Contra-angle, 20:1

#### D, E and F

- 3 Models Available: **Standard** (no light), **L G LED+** (light powered by RPM), **L LED+** (for EM-19/EM-19 LC only)
- Hexagon chucking system uses surgical burs and cutters with contra-angled latch-type shank (Ø 2.35 mm surgical length burs, shank hardness >50 HRC, >520 HV)
- Kirschner/Meyer internal cooling system with left or right side external irrigation green spray clips, single spray
- Maximum drive speed: 50,000 RPM (40,000 RPM for WS-75 L G)
- Indications: Implantation, Osteotomy

### WI-75 E/KM Implantology

#### Contra-angle, 20:1 G

- Standard version only (LED not available)
- Hexagon chucking system uses surgical burs and cutters with contra-angled latch-type shank (Ø 2.35 mm surgical length burs, shank hardness >50 HRC, >520 HV)
- Kirschner/Meyer internal cooling system with left side only external irrigation black spray clips, single spray
- Maximum drive speed: 50,000 RPM
- Indications: Implantation, Osteotomy
- Cannot be dismantled

### WS-92 Surgical Contra-angle, 1:2.7

#### H, I and J

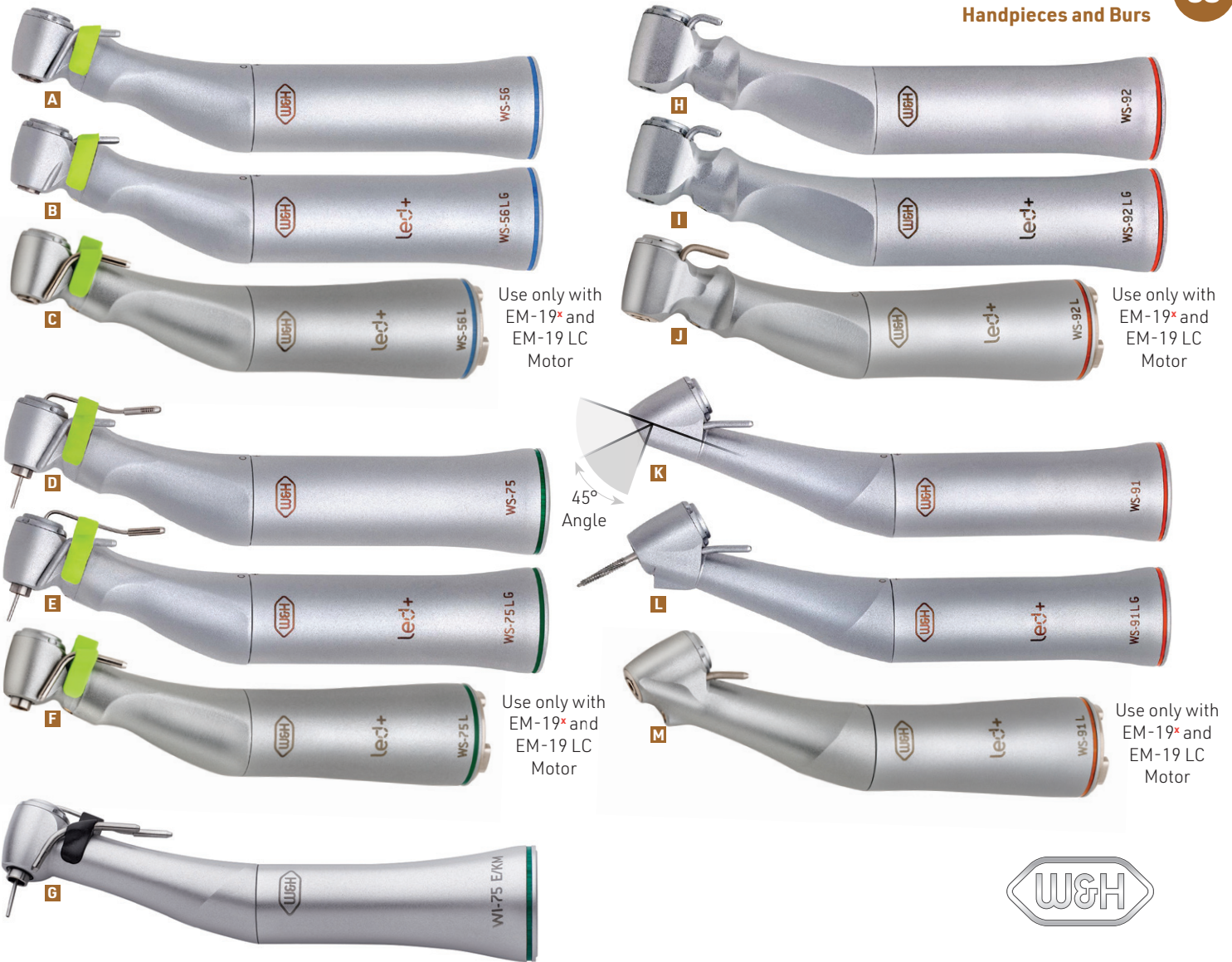
- 3 Models Available: **Standard** (no light), **L G LED+** (light powered by RPM), **L LED+** (for EM-19/EM-19 LC only)
- Push-button chucking system uses surgical burs and cutters with FG (Friction Grip) shank (Ø 1.6 mm surgical length burs)
- A triple spray guarantees sufficient cooling of the rotary instrument and the tooth
- Maximum drive speed: 50,000 RPM (40,000 RPM for WS-92 L G)
- Indications: Hemisection, Extraction of Wisdom Teeth

### WS-91 Surgical Contra-angle with 45° Head, 1:2.7

#### K, L and M

- 45° head offers better visibility of the treatment site and makes the access to the maxillary and mandibular molars much simpler
- 3 Models Available: **Standard** (no light), **L G LED+** (light powered by RPM), **L LED+** (for EM-19/EM-19 LC only)
- Push-button chucking system uses surgical burs and cutters with FG (Friction Grip) shank (Ø 1.6 mm surgical length burs)
- A triple spray guarantees sufficient cooling of the rotary instrument and the tooth
- Maximum drive speed: 50,000 RPM (40,000 RPM for WS-91 L G)
- Indications: Hemisection, Extraction of Wisdom Teeth

Handpieces and Burs



Use only with EM-19\* and EM-19 LC Motor

Use only with EM-19\* and EM-19 LC Motor

Use only with EM-19\* and EM-19 LC Motor

Use only with EM-19\* and EM-19 LC Motor

45° Angle

Number	Description	Maximum Drive Speed RPM	Works with EM-19 Motor	Works with EM-19 LC Motor	Works with Implantmed older Motors	Works with Elcomed Motor	Price	ACE+Plus
<b>WS-56 Surgical Contra-angle, 1:1</b>								
A	747-38000 WS-56, Standard - without light	50,000	Yes	Yes	Yes	Yes	\$1,445.49	\$1,402.13
B	747-39000 WS-56 LG, Mini-LED+ Self-generating LED	40,000	Yes *	Yes *	Yes	Yes	1,853.29	1,797.69
C	747-40000 WS-56 L, Mini-LED+ (EM-19*/EM-19 LC motor)	50,000	Yes *	Yes	No	No	1,527.49	1,481.67
<b>WS-75 Surgical Contra-angle, 20:1</b>								
D	747-65000 WS-75, Standard - without light	50,000	Yes	Yes	Yes	Yes	1,696.29	1,645.40
E	747-32000 WS-75 LG, Mini-LED+ Self-generating LED	40,000	Yes *	Yes *	Yes	Yes	2,010.49	1,950.18
F	747-33000 WS-75 L, Mini-LED+ (EM-19*/EM-19 LC motor)	50,000	Yes *	Yes	No	No	1,665.29	1,615.33
<b>WI-75 E/KM Implantology Contra-angle, 20:1</b>								
G	747-7550 WI-75 E/KM Contra-angle	50,000	Yes	Yes	Yes	Yes	1,375.49	1,334.23
<b>WS-92 Surgical Contra-angle, 1:2.7</b>								
H	747-41000 WS-92, Standard - without light	50,000	Yes	Yes	Yes	Yes	1,539.49	1,493.31
I	747-42000 WS-92 LG, Mini-LED+ Self-generating LED	40,000	Yes *	Yes *	Yes	Yes	1,853.29	1,797.69
J	747-43000 WS-92 L, Mini-LED+ (EM-19*/EM-19 LC motor)	50,000	Yes *	Yes	No	No	1,527.49	1,481.67
<b>WS-91 Surgical Contra-angle with 45° Head, 1:2.7</b>								
K	747-47000 WS-91, Standard - without light	50,000	Yes	Yes	Yes	Yes	1,539.49	1,493.31
L	747-48000 WS-91 LG, Mini-LED+ Self-generating LED	40,000	Yes *	Yes *	Yes	Yes	1,853.29	1,797.69
M	747-49000 WS-91 L, Mini-LED+ (EM-19*/EM-19 LC motor)	50,000	Yes *	Yes	No	No	1,527.49	1,481.67

\* Will also work with the EM-19 and EM-19 LC motors as the "LG" LED is self-generating.  
 \* Will work with the EM-19 motor - but the LED light will only work with the EM-19 LC motor.



## Straight and Angled Handpieces

**Durable, ergonomic and robust.**

The surgical straight handpieces have been specially designed for oral and maxillofacial surgery and implantology. The high-quality stainless steel with special coating makes them particularly robust.

### Providing the Best Treatment

W&H has developed a series of straight and angled handpieces for oral and maxillofacial surgery and implantology.

- Fatigue-free working thanks to optimal ergonomics
- Durable and robust due to high-quality stainless steel and scratch-resistant coating
- Wide range for all surgical applications
- Able to dismantle for thorough cleaning
- Thermo washer disinfectable and sterilizable
- Coupling System: ISO 3964 (DIN 13.940)
- All W&H Surgical and L G handpieces work with all E-Type motors, although the S-11 L works specially with the EM-19 LC motor
- 1 Year Warranty (2 Years on L series)
- 6-Months Warranty on W&H Factory Repairs

### S-9 Angled, 1:1 **A** and **B**

- **Standard** and **L G LED+** models available
- Lever chuck uses surgical burs and cutters Ø 2.35mm (also Stryker system) with maximum length = 45mm, external spray
- Maximum drive speed: 50,000 RPM (40,000 RPM for S-9 LG)
- Indications: Apical Resection, Osteotomy, Apical Trepanning, Bone Modeling

### S-10 Angled, 1:1 **C**

- **Standard** version only (LED not available)
- Lever chuck, surgical burs and cutters Ø2.35 mm with recommended length of 65-70mm, external spray
- Maximum drive speed: 50,000 RPM
- Indications: Osteotomy, Fenestration, Osteosynthesis in distal areas

### S-11 Straight, 1:1 **D**, **E** and **F**

- 3 Models Available: **Standard** (no light), **L G LED+** (light powered by RPM), **L LED+** (for EM-19/EM-19 LC only)
- Lever chuck, surgical burs and cutters Ø 2.35 mm (also Stryker system) with Maximum length = 45 mm, external spray
- Maximum drive speed: 50,000 RPM (40,000 RPM for S-11 LG)
- Indications: Apical Resection, Osteotomy, Apical Trepanning, Bone Modeling

### S-12 Angled, 1:2 **G**

- **Standard** version only (LED not available)
- Lever chuck, surgical burs and cutters Ø 2.35 mm with recommended length of 65-70mm, external spray
- Maximum drive speed: 40,000 RPM
- Indications: Osteotomy, Fenestration, Osteosynthesis in Distal Areas



A

B



### Work in Daylight Quality - W&H Surgical Handpieces & Contra-Angles with Mini LED+

Excellent lighting conditions facilitate accurate diagnoses and perfect treatment results.

The surgical handpieces with Mini LED+ produce LED light independently. Now available in two models:

#### L G Series Mini LED+ Handpieces

W&H L G (LED Generator) Mini LED+ Handpieces provide daylight quality lighting where you need it most, directly at the surgical sight, producing optimal visibility and natural red tones. Light is delivered through an independent power supply with an integrated generator built into the handpiece. The RPM speed of the handpiece creates the light, so the light gets brighter at higher speeds and there is no light at low speeds.

#### L Series Mini LED+ Handpieces

The new W&H L series Mini LED+ handpieces also provide daylight quality lighting and natural red tones, while shining at full brightness, even at slower "implant-placement" speeds. The L series will only work with the new EM-19 motors and new Implantmed SI-1015, but they will require the EM-19 LC (Light Contacts) motor to power L series LED+ light.



Use only with EM-19\* and EM-19 LC Motor



Number	Description	Maximum Drive Speed RPM	Works with EM-19 Motor	Works with EM-19 LC Motor	Works with Implantmed older Motor	Works with Elcomed Motor	Price	ACE+Plus
<b>S-9 Angled, 1:1</b>								
A 747-53000	S-9 Handpiece	50,000	Yes	Yes	Yes	Yes	\$1,664.49	\$1,614.56
B 747-54000	S-9 LG Mini-LED+ Handpiece, Self-generating LED	40,000	Yes *	Yes *	Yes	Yes	2,121.99	2,058.33
<b>S-10 Angled, 1:1</b>								
C 747-59000	S-10 Handpiece	50,000	Yes	Yes	Yes	Yes	1,790.49	1,736.78
<b>S-11 Straight, 1:1</b>								
D 747-56000	S-11 Handpiece	50,000	Yes	Yes	Yes	Yes	1,288.29	1,249.64
E 747-57000	S-11 LG Mini-LED+ Handpiece, Self-generating LED	40,000	Yes *	Yes *	Yes	Yes	1,978.29	1,918.94
F 747-58000	S-11 L Mini-LED+ (EM-19*/EM-19 LC motor only)	50,000	Yes *	Yes	No	No	1,644.29	1,594.96
<b>S-12 Angled, 1:2</b>								
G 747-61000	S-12 Handpiece	40,000	Yes	Yes	Yes	Yes	1,790.49	1,736.78

\* Will also work with the EM-19 and EM-19 LC motors as the "LG" LED is self-generating.

\* Will work with the EM-19 motor - but the LED light will only work with the EM-19 LC motor.

## Surgery Unit Accessories



### Disposable Irrigation Tubing Sets & Components

- Each irrigation tube set is packaged sterile for single use.

Number	Description	Detail	Price	ACE+Plus
<b>A</b> 04363600	Disposable Irrigation Tubing Set, 2.2m length, Implantmed & Elcomed SA-310	6/box	\$ 85.49	<b>\$ 82.93</b>
747-65100	Disposable Irrigation Tubing Set, 3.8m length, Elcomed SA-200 Motor Unit only	6/box	105.49	<b>102.33</b>
<b>B</b> 747-9300	Green Luer Lock Irrigation Tubes, 7' 2" (2.2m) Implantmed SI-915 & Elcomed SA-310	10/pkg	82.29	<b>79.82</b>
747-9400	Green Luer Lock Irrigation Tubes, 12' 4" (3.8m) Elcomed Units w/3.5m motors only	10/pkg	96.29	<b>93.40</b>

### Foot Controls for Implantmed Surgery Units

**Replacement Foot Control Units** are available for most generations of the W&H Surgery Units. Please call to order the specific foot control for your W&H unit.

<b>C</b> 747-64000	WiFi Foot control S-NW with CAN-Bus, includes 1 <b>D</b> dongle, SI-1015 only	each	1,336.29	<b>1,296.20</b>
<b>C</b> 747-64001	WiFi Foot control S-NW with SPI, includes 1 <b>E</b> dongle, SI-915 white & SA-310	each	1,417.79	<b>1,375.26</b>
747-28500	Wired Foot control S-N2, for Implantmed SI-1015 only	each	827.79	<b>802.96</b>
<b>D</b> 747-59700	Spare WiFi dongle for WiFi Foot Control, CAN-Bus, for Implantmed SI-1015 only	each	308.29	<b>299.04</b>
<b>E</b> 747-95800	Spare WiFi dongle for WiFi Foot Control, update SPI, for Implantmed SI-915 white and Elcomed SA-310 units (excludes SI-1015, SI-915 blue/green or SI-95 units)	each	456.49	<b>442.80</b>

### Accessories for W&H Implantmed & Elcomed Units

<b>F</b> 747-3500	Sterilization Cassette, 27.5cm x 17.25cm x 2.75cm	each	\$ 244.29	<b>\$ 236.96</b>
<b>G</b> 747-2855	Irrigation Spike with Roller Clamp, Autoclavable, for SI-95, SI-915 and SA-310 only	each	88.29	<b>85.64</b>
<b>H</b> 747-6800	Locking Pin	each	13.29	<b>12.89</b>
<b>I</b> 747-3900	Pump Tube Complete, Autoclavable, fits SI-95, SI-915 and SA-310 Only	each	42.99	<b>41.70</b>
<b>J</b> 747-4000	Spare Pump Feed Tubes, 85mm, 4mm O.D., fits SI-95, SI-915 and SA-310 only	3/set	20.99	<b>20.36</b>
<b>K</b> 747-9000	Tube Clamps, for Implantmed SI-915 and older series only	5/pkg	24.99	<b>24.24</b>
747-62906	Tube Clamps, for Implantmed SI-1015 and Elcomed SA-310	5/pkg	23.79	<b>23.08</b>
747-6400	Y-Connector with tubing	3/set	53.99	<b>52.37</b>
<b>L</b> 747-9800	Bur Testing Gauge	each	53.99	<b>52.37</b>
<b>M</b> 747-4700	1.25 Amp 250V Fuse, for Implantmed SI-95 and SI-915	each	6.99	<b>6.78</b>
747-52200	1.6 Amp 250V Fuse, for Implantmed SI-1015 and Elcomed	each	6.49	<b>6.30</b>
747-36901	Nozzle Cleaner Long, for handpieces	each	7.29	<b>7.07</b>
747-15101	Nozzle Cleaner Short, for contra-angle handpieces	each	6.29	<b>6.10</b>
<b>N</b> 747-5900	Irrigation Stand	each	40.79	<b>39.57</b>
<b>O</b> 747-0500	Internal Bur Coolant Tube	each	39.79	<b>38.60</b>
747-16-6970	Coolant Tube, movable, for old S-11LEDG, SI-11LEDG, with metal connection <sup>NS</sup>	each	65.79	<b>63.82</b>
747-9500	Coolant Tube, movable, for new S-9, S-9LG, S-11 & S-11LG handpieces, green <sup>NS</sup>	each	59.29	<b>57.51</b>
747-3200	Coolant Tube, movable, for new S-10 & S-12 handpieces, green connection <sup>NS</sup>	each	59.49	<b>57.71</b>
<b>P</b> 747-1400	Main Unit Power Cord	each	39.79	<b>38.60</b>

### Accessories for W&H Handpieces and Motors

<b>Q</b> 747-7100	Irrigation Spray Clip, Internal/External, WI-75 E/KM (older 20:1's), black	3/pkg	46.29	<b>44.90</b>
<b>R</b> 747-69463	Irrigation Spray Clip, Internal/External, all three WS-75 models, left, green	3/pkg	46.29	<b>44.90</b>
<b>S</b> 747-69483	Irrigation Spray Clip, Internal/External, all three WS-75 models, right, green	3/pkg	46.29	<b>44.90</b>
<b>T</b> 747-69484	Irrigation Spray Clip, External only, left, green	3/pkg	46.29	<b>44.90</b>
<b>U</b> 747-69495	Irrigation Spray Clip, External only, right, green	3/pkg	46.29	<b>44.90</b>
<b>V</b> 747-7800	Universal Motor/Handpiece Support	each	71.79	<b>69.64</b>

### Handpiece Lubricants

<b>W</b> 747-9900	W&H F1 Service Oil Spray for W&H Handpieces (spray cap <b>X</b> sold separately)	400ml can	80.99	<b>78.56</b>
<b>X</b> 747-8200	W&H Spray Cap for <b>W</b> F1 Service Oil, reusable, for E-Coupling handpieces	each	11.79	<b>11.44</b>
747-36100	W&H Spray Cap for <b>W</b> F1 Service Oil, reusable, for WS-91 / WS-92	each	11.79	<b>11.44</b>
<b>Y</b> 638-1795	Nou-Clean Spray, for Nouvag and E-Coupling handpieces	500ml can	108.79	<b>105.53</b>
<b>Z</b> 656-0001	Osada Silicone Spray Oil, for E-Coupling handpieces	6 oz can	49.29	<b>47.81</b>

<sup>NS</sup> = Non stock

**N** through **Z** images are on the following page.



## W&H Osstell Beacon

Opt for even better treatment.

The Osstell Beacon shows you within a matter of seconds when an implant is osseointegrated and can therefore be loaded. Because it operates wirelessly, it gives you greater freedom of movement in your dental practice. The data can be safely stored and compared on the free OsstellConnect web site and or used with the Implantmed Plus SI-1015 unit to show and document each patients ISQ reading.

### Key Features:

- Monitoring of osseointegration and evaluation of implant stability
- Unique technology based on over 1,000 scientific published articles
- Optimum user-friendliness and intuitive ISQ measurements
- Results that are easy to interpret using a colour scheme
- Highly suited to a digital working environment

### Included with the Osstell Beacon measuring device:

- USB Key for Bluetooth communication with a computer and or Implantmed Plus SI-1015 unit
- 1 Osstell TestPeg
- 1 SmartPeg mount
- Power / charging cord
- Carrying / storage case
- Instruction manual

Number	Description	Price	ACE+Plus
<b>Osstell Beacon</b>			
747-22260	Osstell Beacon Measuring Device	\$2,855.29	\$2,769.63



The **BLACK** spray clips will not work on handpieces designed for green clips and **GREEN** spray clips will not work on handpieces designed for black spray clips.



## W&H Osstell SmartPegs

**Sterile, single-use.**

To measure the ISQ of an implant, you first screw a SmartPeg into the placed implant. The SmartPeg, with its magnet on top, works like a small tuning fork. The magnet on the SmartPeg is 'hit' with magnetic pulses, from the probe, which makes the SmartPeg vibrate. Due to the stiffness in the interface between the implant surface and the bone the SmartPeg will vibrate accordingly.

### Includes:

5 Sterile SmartPegs (select the implant system and the platform from the chart below)



IMPLANT SYSTEM	PLATFORM	NUMBER	
	TRI-CAM	3.5	747-9830
	TRI-CAM	4.3	747-9840
	TRI-CAM	5.0	747-9840
	INTERNAL HEX	3.5	747-0020
	INTERNAL HEX	4.5	747-9980
	OCTAGON TL	RP WP	747-0120
	OCTAGON BL BLT	NP	747-0240
	OCTAGON BL BLT	RP	747-0250

Number	Description	Price	ACE+Plus
See Chart	SmartPeg	\$123.49	\$119.79

## ACE Surgi-Drill I Hall-Type Air Drill System

Proven Workhorse in Oral Surgery

- Designed to handle both delicate and complex bone surgery procedures
- Safe and Surgically Efficient
- Nominal Speed: 100,000 RPM
- Operating pressure: 90-110 PSI
- Compact, Lightweight and Convenient
- 90-day warranty on handpieces covers manufacturing defects and workmanship
- 60-day warranty on repairs
- Low Maintenance



**I** Medium Bur Guard 003-20-101 and Surgical Bur sold individually.



Handpiece Hose Connection on ACE Surgi-Drill I - Hall® Type Drill System



Number	Description	Price	ACE+Plus
<b>Surgi-Drill I System</b>			
<b>A</b> 003-20-000	Surgi-Drill System, Includes: bur brush and system lubricant	\$2,897.49	<b>\$2,810.57</b>
<b>Air Hose (Custom Lengths Available)</b>			
<b>B</b> 003-20-104	ACE Surgi-Drill (Hall Type) Air Hose, 10'	472.49	<b>458.32</b>
<b>Accessories for Surgi-Drill I &amp; Surgi-Drill II Systems</b>			
003-1717	Custom Foot Pedal for Air Drill Connection with Gauge and Cover	529.49	<b>513.61</b>
003-1720	Custom Foot Pedal for Air Drill Connection	472.49	<b>458.32</b>
<b>C</b> 003-20-103	Autoclave Case, SS, fits Hall Drill, Hose and Bur Guard, 10"L x 6.5"W x 2.5"H	325.29	<b>315.53</b>
<b>D</b> 00-20-0106	Bur Brush, Stainless Steel 5-1/4" (135mm)	33.49	<b>32.49</b>
<b>E</b> 003-20-105	Pneumatic Handpiece Lubricant	14.29	<b>13.86</b>

## ACE Surgi-Drill II Air Drill System

Similar in Structure and Function to Surgairtome II®

- Lubeless vane motor – no lubrication required
- Twist lock collet for quick change of burs
- Accepts standard 2.35mm handpiece surgical burs
- 360° swivel with quick disconnect hose
- Finger touch throttle control lever with extension and integrated safety/lock/on control slide
- Nominal Speed: 95,000 RPM
- Torque: 1.75 inches per ounce
- Operating pressure: 100 PSI
- 90-day warranty on handpieces covers manufacturing defects and workmanship
- 60-day warranty on repairs
- Low maintenance

ACE Surgi-Drill hoses connect to standard a Compressed Air or Nitrogen source with a Schrader adapter.



Handpiece Hose Connection on ACE Surgi-Drill II Drill System



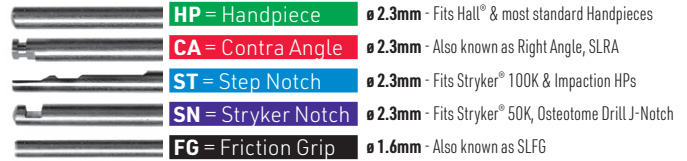
Medium Bur Guard  
003-20-101 and Surgical Bur sold individually.



Number	Description	Price	ACE+Plus
<b>Surgi-Drill II System</b>			
<b>F</b> 003-20-145	Surgi-Drill II	\$3,018.29	<b>\$2,927.74</b>
<b>Air Hose</b> (Custom Lengths Available)			
<b>G</b> 003-20-125	Surgi-Drill II Drill Air Hose, 10'	472.49	<b>458.32</b>
<b>Bur Guards for ACE Surgi-Drill I and Surgi-Drill II Systems</b>			
<b>H</b> 003-20-102	Long Bur Guard, SS 2-1/2" (6.5cm)	236.79	<b>229.69</b>
<b>I</b> 003-20-101	Medium Bur Guard, SS 1-3/4" (4.5cm)	188.49	<b>182.84</b>



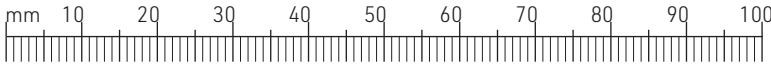
# Surgical Burs















\* = Sterile Surgical Burs / Individually Packaged Sterile and Sold 10 Per Package

CARBIDE	Number	Shank	Head Material	Head Diameter	Bur Number	Total Length	Cutting Length	Features	Qty Per Package	Price	ACE+PLUS		
	<b>* Round Burs</b>												
	21-44-1960	HP	Carbide	1.8mm	6	44mm	-	Round	10	\$ 38.79	\$ 34.91		
	21-50-1960	HP	Carbide	1.8mm	6	50mm	-	Round	10	38.79	34.91		
	21-65-1960	HP	Carbide	1.8mm	6	65mm	-	Round	10	38.79	34.91		
	21-44-1980	HP	Carbide	2.3mm	8	44mm	-	Round	10	38.79	34.91		
	21-44-1980S	SN	Carbide	2.3mm	8	44mm	-	Round	10	38.79	34.91		
	21-50-1980	HP	Carbide	2.3mm	8	50mm	-	Round	10	38.79	34.91		
	21-65-1980	HP	Carbide	2.3mm	8	65mm	-	Round	10	38.79	34.91		
		<b>* 702 Taper Burs</b>											
		61-44-1902	HP	Carbide	1.6mm	702	44mm	5mm	Tapered	10	38.79	34.91	
61-50-1902		HP	Carbide	1.6mm	702	50mm	5mm	Tapered	10	38.79	34.91		
61-65-1902		HP	Carbide	1.6mm	702	65mm	5mm	Tapered	10	38.79	34.91		
		<b>* 1702 Taper Dome Burs</b>											
		62-44-1902	HP	Carbide	1.6mm	1702	44mm	5mm	Tapered	10	38.79	34.91	
		62-50-1902	HP	Carbide	1.6mm	1702	50mm	5mm	Tapered	10	38.79	34.91	
		62-65-1902	HP	Carbide	1.6mm	1702	65mm	5mm	Tapered	10	38.79	34.91	
		62-44-1902ST	ST	Carbide	1.6mm	1702	44mm	5mm	Tapered	10	38.79	34.91	
62-59-1902ST		ST	Carbide	1.6mm	1702	59mm	5mm	Tapered	10	38.79	34.91		
	<b>* 703 Taper Burs</b>												
	61-44-1909	HP	Carbide	2.1mm	703	44mm	5mm	Tapered	10	38.79	34.91		
	61-50-1909	HP	Carbide	2.1mm	703	50mm	5mm	Tapered	10	38.79	34.91		
61-65-1909	HP	Carbide	2.1mm	703	65mm	5mm	Tapered	10	38.79	34.91			
	<b>* 1703 Taper Dome Burs</b>												
	63-44-1903	HP	Carbide	2.1mm	1703	44mm	5mm	Tapered	10	38.79	34.91		
	63-50-1903	HP	Carbide	2.1mm	1703	50mm	5mm	Tapered	10	38.79	34.91		
	63-65-1903	HP	Carbide	2.1mm	1703	65mm	5mm	Tapered	10	38.79	34.91		
	63-44-1903ST	ST	Carbide	2.1mm	1703	44mm	5mm	Tapered	10	38.79	34.91		
63-59-1903ST	ST	Carbide	2.1mm	1703	59mm	5mm	Tapered	10	38.79	34.91			
	<b>* 1703L Taper Dome Burs</b>												
	64-44-1903	HP	Carbide	2.1mm	1703L	44mm	7mm	Tapered	10	38.79	34.91		
	64-50-1903	HP	Carbide	2.1mm	1703L	50mm	7mm	Tapered	10	38.79	34.91		
	64-65-1903	HP	Carbide	2.1mm	1703L	65mm	7mm	Tapered	10	38.79	34.91		
	64-44-1903ST	ST	Carbide	2.1mm	1703L	44mm	7mm	Tapered	10	38.79	34.91		
64-59-1903ST	ST	Carbide	2.1mm	1703L	59mm	7mm	Tapered	10	38.79	34.91			
	<b>Cylinder Bur</b>												
40-50-0016	HP	Carbide	1.5mm	-	50mm	7.5mm	-	10	105.49	102.33			
	<b>Oval Bone Cutting Burs</b>												
	504-080501	HP	Carbide	4mm	-	48mm	8mm	Cross Cut	1	33.49	32.49		
	31-68-0031	HP	Carbide	4mm	-	68mm	8mm	Cross Cut	1	41.79	40.54		
	31-44-0023	HP	Carbide	5.5mm	-	44mm	10mm	Cross Cut	1	40.79	39.57		
	31-50-0023	HP	Carbide	5.5mm	-	50mm	10mm	Cross Cut	1	40.79	39.57		
	504-080505	HP	Carbide	5.5mm	-	70mm	10mm	Cross Cut	1	41.79	40.54		
	31-44-0020S	SN	Carbide	4mm	-	44mm	8mm	Cross Cut	1	36.79	35.69		
	504-080501S	SN	Carbide	4mm	-	48mm	8mm	Cross Cut	1	36.79	35.69		
	504-502ST	ST	Carbide	4mm	-	54mm	8mm	Cross Cut	1	36.79	35.69		
	31-44-0023ST	ST	Carbide	5.5mm	-	44mm	10mm	Cross Cut	1	42.99	41.70		
	31-50-0023ST	ST	Carbide	5.5mm	-	50mm	10mm	Cross Cut	1	42.99	41.70		
	31-31-0023	CA	Carbide	4mm	-	31mm	8mm	Cross Cut	1	46.79	45.39		
	31-31-0024	CA	Carbide	5.5mm	-	31mm	10mm	Cross Cut	1	46.79	45.39		
		<b>Sinus Lift Egg Burs</b>											
		00-35-0028	CA	Carbide	2.8mm	-	35mm	5mm	Cross Cut	1	35.49	34.43	
00-45-0028		HP	Carbide	2.8mm	-	45mm	5mm	Cross Cut	1	35.49	34.43		
00-45-0028ST		ST	Carbide	2.8mm	-	45mm	5mm	Cross Cut	1	37.79	36.66		
00-45-0028S	SN	Carbide	2.8mm	-	45mm	5mm	Cross Cut	1	37.79	36.66			

Shanks drill images have been enlarged to show detail. See descriptions for actual sizes.



SPECIALTY		Number	Shank	Head Material	Head Diameter	Bur Number	Total Length	Cutting Length	Features	Qty Per Package	Price	ACE+Plus
<b>Lindeman Burs</b>												
		10-44-0166	HP	SS	2mm	-	44mm	10mm	-	1	\$ 29.29	\$ 28.41
		10-60-0168	HP	SS	2mm	-	60mm	24mm	-	1	39.79	38.60
		10-65-0168	HP	SS	2.3mm	-	65mm	24mm	-	1	39.79	38.60
		10-80-0169	HP	SS	2.3mm	-	80mm	35mm	-	1	48.99	47.52
		10-35-0166	CA	SS	2mm	-	35mm	10mm	-	1	26.29	25.50
		10-44-0166S	SN	SS	2mm	-	44mm	10mm	-	1	31.99	31.03
		10-65-0168S	SN	SS	2.3mm	-	65mm	24mm	-	1	36.79	35.69
		10-65-0168ST	ST	SS	2.3mm	-	65mm	24mm	-	1	36.79	35.69
		19-26-0162	FG	SS	1.6mm	-	26mm	9mm	-	1	26.29	25.50
<b>Kirschner Burs</b>												
		88-33-0009	CA	SS	1.6-2.35mm	-	34mm	15mm	Internal Irr.	1	55.99	47.59
		88-33-0010	CA	SS	3.15-4mm	-	34mm	15mm	Internal Irr.	1	58.99	50.14
<b>Pear Bur</b>												
		00-50-0013	HP	SS	6mm	-	50mm	12mm	Contouring	1	35.49	34.43
<b>Barrel Bur</b>												
		00-50-0014	HP	SS	6mm	-	50mm	12mm	Contouring	1	35.49	34.43
<b>Cone Burs</b>												
		00-50-0015	HP	SS	4mm	-	50mm	14mm	Contouring	1	35.49	34.43
<b>Three Step Pilot Drills</b> (Ideal for use in lag screw placement)												
		454-44501	HP	SS	0.81, 1.6, 2.1mm	-	48mm	-	-	1	62.29	56.06
		454-44001	CA	SS	0.81, 1.6, 2.1mm	-	30mm	-	-	1	62.29	56.06
<b>Two Step Pilot Drills</b>												
		454-281001	CA	SS	0.8, 1.6mm	-	30mm	-	-	1	62.29	56.06
		454-282001	HP	SS	0.8, 1.6mm	-	47mm	-	-	1	62.29	56.06
<b>Pilot Twist Drills</b>												
		454-40201	CA	SS	1.1mm	-	23.6mm	-	-	1	72.29	65.06
		454-40501	CA	SS	0.8mm	-	22mm	-	-	1	72.29	65.06
<b>Crestotome Bur</b> (Bone cutting bur to form Alveolar Ridge)												
		11-26-0357	CA	SS	3.75-7mm	-	26mm	7mm	-	1	115.79	112.32
<b>Titanium Cutting Burs</b>												
		00-50-0035	HP	Titanium	3.5mm	-	50mm	14mm	Contouring	1	35.49	34.43
		00-50-0060	HP	Titanium	6mm	-	50mm	14mm	Contouring	1	35.49	34.43
<b>DIAMOND</b>		Number	Shank	Head Material	Head Diameter	Bur Number	Total Length	Cutting Length	Features	Qty Per Package	Price	ACE+Plus
<b>Diamond Circular Saws</b>												
		00-50-0080	HP	Diamond	5mm	-	44mm	-	.6mm thick	1	\$ 35.49	\$ 34.43
		00-23-0080	CA	Diamond	5mm	-	22mm	-	.6mm thick	1	35.49	34.43
		00-50-0080ST	ST	Diamond	5mm	-	44mm	-	.6mm thick	1	35.49	34.43
		00-50-0080S	SN	Diamond	5mm	-	44mm	-	.6mm thick	1	35.49	34.43
<b>Round Diamond Burs</b>												
		90-25-0014	CA	Diamond	1.4mm	4	22mm	-	Round	10	102.99	99.90
		90-25-0018	CA	Diamond	1.8mm	6	22mm	-	Round	10	102.99	99.90
		90-25-0023	CA	Diamond	2.3mm	8	22mm	-	Round	10	102.99	99.90
		92-25-0014	FG	Diamond	1.4mm	4	25mm	-	Round	10	102.99	99.90
		92-25-0018	FG	Diamond	1.8mm	6	25mm	-	Round	10	102.99	99.90
		92-25-0023	FG	Diamond	2.3mm	8	25mm	-	Round	10	102.99	99.90
		90-44-0018	HP	Diamond	1.8mm	6	44mm	-	Round	1	34.49	33.46
		90-44-0023	HP	Diamond	2.3mm	8	44mm	-	Round	1	34.49	33.46
		90-50-0018	HP	Diamond	1.8mm	6	50mm	-	Round	1	49.99	48.49
		90-50-0023	HP	Diamond	2.3mm	8	50mm	-	Round	1	49.99	48.49
		90-50-0100	HP	Diamond	2.5mm	-	50mm	-	Round	1	49.99	48.49
		90-60-0200	HP	Diamond	5mm	-	60mm	-	Round	1	57.99	56.25
		90-70-0045	HP	Diamond	1.5mm	-	70mm	-	Round	1	57.99	56.25
		90-70-0100	HP	Diamond	2.5mm	-	70mm	-	Round	1	57.99	56.25
		90-44-0018ST	ST	Diamond	1.8mm	6	44mm	-	Round	1	34.49	33.46
		90-44-0023ST	ST	Diamond	2.3mm	8	44mm	-	Round	1	34.49	33.46
		90-44-0018S	SN	Diamond	1.8mm	6	44mm	-	Round	1	34.49	33.46
		90-44-0023S	SN	Diamond	2.3mm	8	44mm	-	Round	1	34.49	33.46
		90-50-0023S	SN	Diamond	2.3mm	8	50mm	-	Round	1	49.99	48.49

Shanks drill images have been enlarged to show detail. See descriptions for actual sizes.

## Drill Guide Paralleling System Complete Kit

- Assures parallelism between multiple osteotomies
- For parallel drilling of two or more osteotomies
- Drill guide holes are marked every two millimeters for drilling 8, 10, 12, 14, 16, 18 or 20mm
- Paralleling pins machined with a precision 4.0mm outer diameter to friction-lock with the drill guides
- Assemble drill guide using paralleling pins to achieve parallel drilling around or across the entire arch
- Drill guide distances are laser marked for easy identification
- A machined cross-hole in the center of the pins can be used with dental floss to prevent the pin from being dropped during delivery and/or removal from the oral cavity
- Drill guides are precision machined from titanium alloy (Ti-6Al-4V ELI)
- See page 63 for examples.



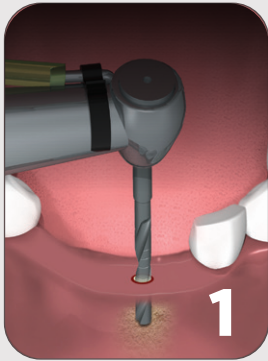
Number	Description	Price	ACE+Plus
<b>Drill Guide Paralleling System Kit</b>			
20-9730-00	Drill Guide Paralleling System Kit	\$505.99	<b>\$455.39</b>
<b>Kit Includes:</b>			
20-9732-01	2.8mm Threaded Paralleling Pin	45.29	<b>40.76</b>
20-9730-02	2.0/2.8mm Straight Paralleling Pins (4)	56.79	<b>51.11</b>
20-9770-01	Paralleling Drill Guide, 8mm	70.29	<b>63.26</b>
20-9775-01	Paralleling Drill Guide, 20mm	84.29	<b>75.86</b>
20-9778-01	Paralleling Drill Guide Extender, 28mm	97.29	<b>87.56</b>
12-37-0020	2mm Twist Drill, 37mm L, 20mm Cutting Length	91.79	<b>89.04</b>
765-1030	Autoclavable Tray	197.29	<b>191.37</b>



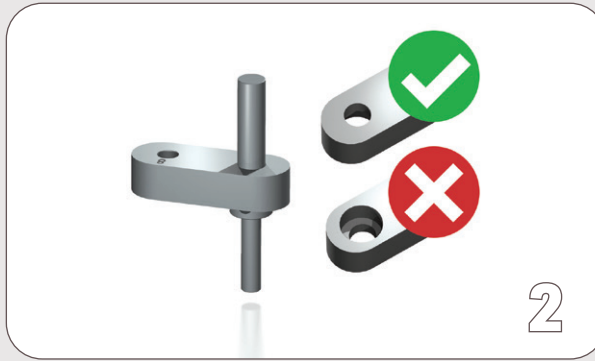
## Parallel Drilling of Two or More Osteotomies

### 8mm Paralleling Drill Guide

When implants are 8mm apart (center to center)



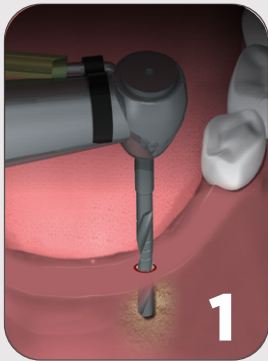
Create a 2.0mm pilot hole with the 2mm Pilot Drill included in the kit.



Place the Paralleling Drill Guide into the pilot hole. Insert the 2.0mm Twist Drill into the Drill Guide. Drill to desired depth.

### 20mm Paralleling Drill Guide

Variable when implants are 8mm to 20mm apart (center to center)



Create a 2.0mm pilot hole with the 2mm Pilot Drill included in the kit.



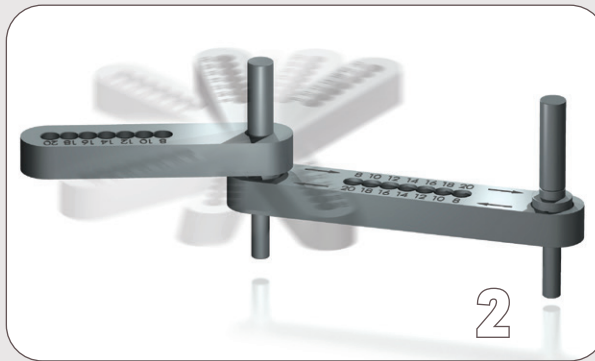
Place the Paralleling Drill Guide into the pilot hole. Insert the 2.0mm Twist Drill into the desired Drill Guide opening and drill to desired depth.

### 28mm Paralleling Drill Guide Extender

Variable when implants are 20mm to 28mm apart (center to center)



Create a 2.0mm pilot hole with the 2mm Pilot Drill included in the kit.



Combine the 28mm Paralleling Drill Guide Extender with either of the other 2 guides (as shown) to achieve parallel drilling across the greater distances.



Insert the 2.0mm Twist Drill into the desired Drill Guide opening and drill to desired depth.

The procedures and techniques presented throughout this catalog are intended to provide basic reference only and should not be substituted for the complete surgical procedure being performed by a licensed practitioner. A

complete understanding and execution of the techniques and procedures presented within this catalog are the full responsibility of the licensed practitioner. These procedures and techniques are NOT TO BE SUBSTITUTED for the

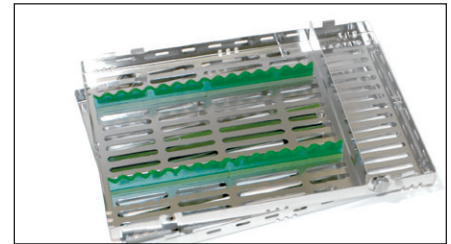
practitioner's complete knowledge, education, experience or for any instrumentation or product instruction for use.



By

### Hu-Friedy Crestal Sinus Lift Kit

The Crestal Sinus Lift Kit contains essential osteotomes and elevation instruments needed when elevating the Schneiderian membrane crestally.



Efficiency, time management, and organization are important components to a successful dental practice. Carefully considered with best practices in mind, surgical instrument kits can help optimize daily procedures that will allow practitioners to deliver the very best patient experiences. ACE Surgical and Hu-Friedy have partnered in the development of five surgical kits aimed at providing comprehensive based solutions. Each kit is sold exclusively through ACE Surgical Supply.

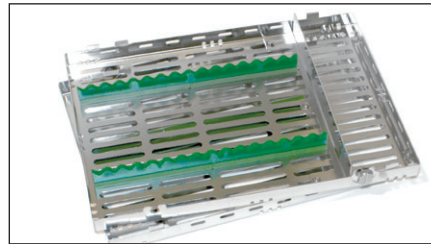
Kit contents are listed in the order in which they appear in the photograph.

Number	Description	Price	ACE+Plus
<b>Hu-Friedy Crestal Sinus Lift Kit</b>			
417-KIT4000	Crestal Kit	\$1,573.29	<b>\$,1415.96</b>
<b>Kit Includes:</b> (available separately)			
417OSTPAL1	#1 Palti Osteotome 2.7 mm	150.79	<b>135.71</b>
417OSTPAL2	#2 Palti Osteotome 3.2 mm	150.79	<b>135.71</b>
417OSTPAL3	#3 Palti Osteotome 3.7 mm	150.79	<b>135.71</b>
417OSTPAL4	#4 Palti Osteotome 4.2 mm	150.79	<b>135.71</b>
417P9X	#9 Molt Periosteal Elevator, Black Line	88.79	<b>79.91</b>
417CM24X	#2/4 Molt DE Curette	110.99	<b>99.89</b>
417PPBUSERX	Buser Periosteal, Black Line	88.79	<b>79.91</b>
417PMPIX	Membrane Placement Instrument, Black Line	79.99	<b>71.99</b>
417PLGGR1X	Grisdale Bone Condenser 8-10-13-15-18, Black Line	65.29	<b>58.76</b>
4176403	#5 Scalpel Handle, Round, Straight	80.29	<b>72.26</b>
4172041	#3 Mosquito Hemostat, Curved	66.29	<b>59.66</b>
417NH5020R	Castroviejo Perma Sharp N.H.	448.29	<b>403.46</b>
417TP5043	Adson-Brown Perma Sharp Tissue Pliers	219.99	<b>197.99</b>
4172026	#2 Dressing Pliers (College)	30.79	<b>27.71</b>
417CRURBAN	Urban Cheek Retractor	41.29	<b>37.16</b>
4178602	#1 Mead Immunity Mallet	184.29	<b>165.86</b>
417IM4169	16-Instrument Signature Series Cassette, Green	162.49	<b>146.24</b>



## Hu-Friedy Lateral Sinus Lift Kit

The Lateral Sinus Kit is designed for optimal access and clinical efficiency during sinus elevation procedures. This comprehensive kit features the Hu-Friedy Black Line for optimal edge retention, enhanced lubricity and enriched contrast and visual acuity at the surgical site.



ACE  
Surgical Kits

By **Hu-Friedy**

Kit contents are listed in the order in which they appear in the photograph.

Number	Description	Price	ACE+Plus
<b>Hu-Friedy Lateral Sinus Lift Kit</b>			
417-KIT3000	Lateral Kit	\$1,853.49	<b>\$1,668.14</b>
<b>Kit Includes:</b> (available separately)			
4176403	#5 Scalpel Handle, Round, Straight	80.29	<b>72.26</b>
417PPR3X	PR-3 Prichard Periosteal, Black Line	101.79	<b>91.61</b>
417P9X	#9 Molt Periosteal Elevator, Black Line	88.79	<b>79.91</b>
417PLGGR1X	Grisdale Bone Condenser 8-10-13-15-18, Black Line	65.29	<b>58.76</b>
417PPBUSERX	Buser Periosteal, Black Line	88.79	<b>79.91</b>
417IMP6577SCX	Kramer-Nevins Sinus Lift Large/Small, Strong Curve, Black Line	118.49	<b>106.64</b>
417IMP6578SX	Kramer-Nevins Sinus Lift, Large/Small, 47-Degree, Black Line	118.49	<b>106.64</b>
4178203	#10 Miller DE Surgical Curette	72.79	<b>65.51</b>
4178204	#11 Miller DE Surgical Curette	72.79	<b>65.51</b>
417BONT	Bone Tamper, 7mm	58.29	<b>52.46</b>
417BPACK	Bone Packer DE, 6-8mm	81.99	<b>73.79</b>
417RBOE	Boehler Rongeurs	496.29	<b>446.66</b>
417BURD033C	Diamond Bur	21.29	<b>19.16</b>
SYBG	Syringe Bone Grafting 7mm	199.29	<b>179.36</b>
4172041	#3 Mosquito Hemostat, Curved	66.29	<b>59.66</b>
417NH5020R	Castroviejo Perma Sharp N.H.	448.29	<b>403.46</b>
4171514	Iris Super Cut Scissors, Straight	118.29	<b>106.46</b>
4171107	Baby Metzenbaum Scissors	94.99	<b>85.49</b>
4172026	#2 Dressing Pliers (College)	30.79	<b>27.71</b>
417IM4169	16-Instrument Signature Series Cassette, Green	162.49	<b>146.24</b>

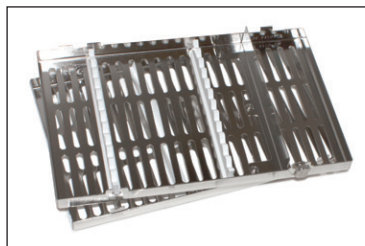


**ACE** Surgical Kits By **Hu-Friedy**



### Hu-Friedy Graft-Membrane Placement Kit

Designed for optimization during the Graft and Membrane placement procedure, the ACE Surgical Graft and Membrane Placement Kit features the essential instrumentation for ensuring optimal clinical outcomes.



Number	Description	Price	ACE+Plus
<b>Hu-Friedy Graft-Membrane Placement Kit</b>			
417-KIT2000	Graft and Membrane Kit	\$617.99	\$556.19
<b>Kit Includes:</b> (available separately)			
417PMPPIX	Membrane Placement Instrument, Black Line	79.99	71.99
417P9X	#9 Molt Periosteal Elevator, Black Line	88.79	79.91
417PPBUSE136	PJO/1 & PJO/3 Combined, 13KL	82.49	74.24
417IMP65226	Palti Bone Graft Scoop, #6 Handle	146.79	132.11
417BPACK	Bone Packer DE, 6-8mm	81.99	73.79
4172007	20 Corn Suture Pliers	82.49	74.24
S14SC	#14 Scissors Super Cut	143.29	128.96
IM8122	12-Instrument Signa-Stat Cassette, White	155.49	139.94

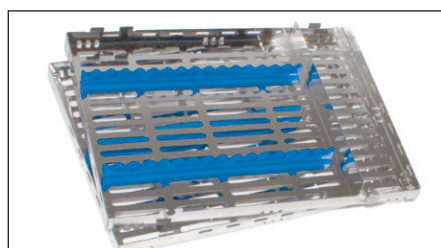
Kit contents are listed in the order in which they appear in the photograph.



### Hu-Friedy Atraumatic Extraction Kit

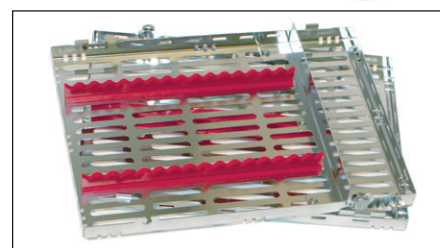
The Atraumatic Extraction Kit is ideal for atraumatic tooth extraction procedures. Featuring Apical Forceps, periostomes and Luxating Hybrids, set-up optimizes the atraumatic approach while reducing the risk of buccal plate fracture or breakage.

Number	Description
<b>Hu-Friedy Atraumatic Extraction Kit</b>	
417-KIT5000	Atraumatic Extraction Kit
<b>Kit Includes:</b> (available separately)	
417P9X	Molt Periosteal Elevator, Black Line
417PT1X	Periotome, Posterior, Black Line
417PT2X	Periotome, Anterior, Black Line
417EPTSSP	Precision Tip Elevator Straight Spade
417EPTSMS	Precision Tip Elevator Small Straight
417EPTSMC	Precision Tip Elevator Small Curved
417CM24X	#2/4 Molt DE Curette
417PLGGR1X	Grisdale Bone Condenser 8-10-13-15-18, Black Line
417IMP65226	Palti Bone Graft Scoop, #6 Handle
4174338	Membrane Placement Instrument
4176403	#5 Scalpel Handle, Round, Straight
417FAF1	Apical Forceps 1
417FAF150	Apical Forceps 150
417FAF151	Apical Forceps 151
4174209	University of Minnesota Cheek Retractor
4173507	Crite-Wood Perma Sharp Needle Holder
4171514	Iris Super Cut Scissors, Straight
IM4168	16-Instrument Signature Series Cassette, Blue



### Hu-Friedy Ridge Augmentation Kit

The Ridge Augmentation Kit is a comprehensive instrument set-up designed for ridge augmentation and expansion, supporting the placement of an implant when there is insufficient bone.



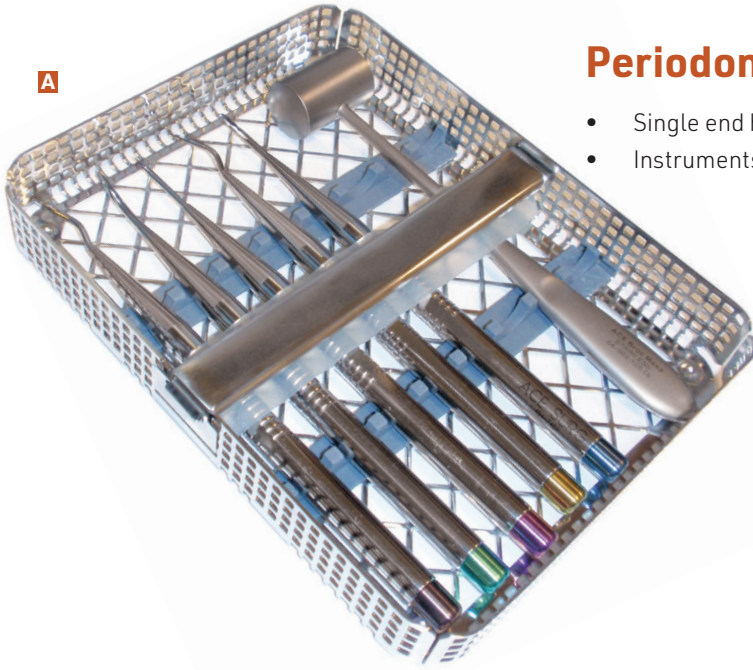
Number	Price	ACE+Plus
417-KIT5000	\$1,654.29	<b>\$1,488.86</b>
417P9X	88.79	<b>79.91</b>
417PT1X	101.79	<b>91.61</b>
417PT2X	101.79	<b>91.61</b>
417EPTSSP	132.99	<b>119.69</b>
417EPTSMS	132.99	<b>119.69</b>
417EPTSMC	132.99	<b>119.69</b>
417CM24X	110.99	<b>99.89</b>
417PLGGR1X	65.29	<b>58.76</b>
417IMP65226	146.79	<b>132.11</b>
4174338	58.29	<b>52.46</b>
4176403	80.29	<b>72.26</b>
417FAF1	219.29	<b>197.36</b>
417FAF150	219.29	<b>197.36</b>
417FAF151	219.29	<b>197.36</b>
4174209	41.29	<b>37.16</b>
4173507	179.79	<b>161.81</b>
4171514	118.29	<b>106.46</b>
IM4168	162.49	<b>146.24</b>

Number	Description	Price	ACE+Plus
<b>Hu-Friedy Ridge Augmentation Kit</b>			
417-KIT1000	Ridge Augmentation Complete Kit	\$1,781.29	<b>\$1,603.16</b>
<b>Kit Includes:</b> (available separately)			
4178602	#1 Mead Immunity Mallet	184.29	<b>165.86</b>
4176403	#5 Scalpel Handle, Round, Straight	80.29	<b>72.26</b>
417P9X	#9 Molt Periosteal Elevator, Black Line	88.79	<b>79.91</b>
417CM24X	#2/4 Molt DE Curette	110.99	<b>99.89</b>
417PLGGR1X	Grisdale Bone Condenser 8-10-13-15-18, Black Line	65.29	<b>58.76</b>
417IMP65226	Palti Bone Graft Scoop, #6 Handle	146.79	<b>132.11</b>
4178411	1X Miller-Colburn Bone File	91.29	<b>82.16</b>
4177640	#55 K-N Bone Chisel, 5.5mm	80.79	<b>72.71</b>
417OSS6518S	Osteotome, 7-10-13-15-18mm	150.79	<b>135.71</b>
417OSS6521CS	Osteotome, 7-10-13-15-18mm, Curved	150.79	<b>135.71</b>
4174209	University of Minnesota Cheek Retractor	41.29	<b>37.16</b>
417CLC40CWM	Curved Bone Caliper Weiss Modified, 40mm	448.29	<b>403.46</b>
4178009	30 Degree Blumenthal Rongeurs	286.99	<b>258.29</b>
4171513	#18 Iris Super Cut Scissors, Curved	118.29	<b>106.46</b>
4173507	Crile-Wood Perma Sharp Needle Holder	179.79	<b>161.81</b>
4172010	#43 Adson-Brown Tissue Pliers	91.79	<b>82.61</b>
417IM4160	16-Instrument Signature Series Cassette, Red	162.49	<b>146.24</b>



## Periodontal Ligament Luxating Elevator Kit

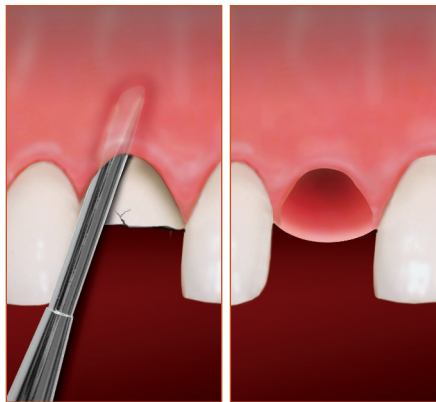
- Single end handle can be tapped lightly with the mallet
- Instruments and tray are Stainless Steel



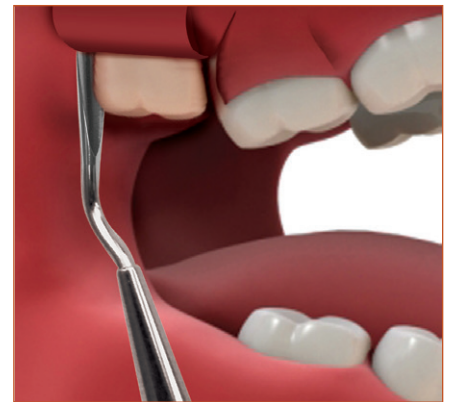
**B** **C** **D** **E** **F**



**B** **C** **D** **E** **F**



In Use: Straight Blade Periostome (blue handle 454-7401) is removing the ligament attachment from the root of the tooth and the alveolar housing.



In Use: The Angled IN Periostome (gold handle 454-7601) is used to loosen and remove difficult or impacted 3rd molars.

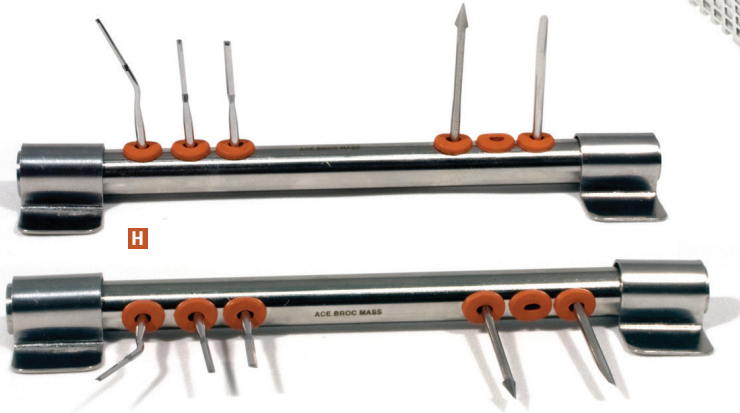
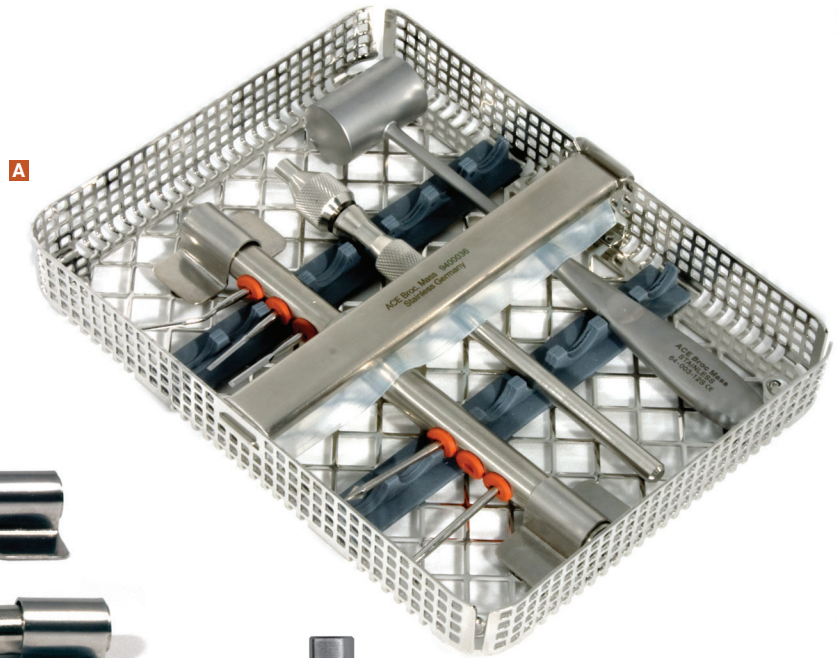
Developed in conjunction with Dr. Michael Zide, Fort Worth, TX

Number	Description	Price	ACE+Plus
<b>Periodontal Ligament Luxating Elevator Kit</b>			
<b>A</b>	454-7111 Kit includes 5 Elevators (below) with mallet and tray	\$672.99	<b>\$605.69</b>
<b>Kit Includes:</b> (available separately)			
<b>B</b>	454-7701 Brown, Angled "OUT"	109.79	<b>98.81</b>
<b>C</b>	454-7901 Green, Curved "OUT"	109.79	<b>98.81</b>
<b>D</b>	454-7401 Blue, Straight 2.5mm	109.79	<b>98.81</b>
<b>E</b>	454-7501 Red, Arrow Tip	109.79	<b>98.81</b>
<b>F</b>	454-7601 Gold, Angled "IN"	109.79	<b>98.81</b>
	64-003-12S Surgical Mallet, SS (shown in kit) 6-1/2" (16.5cm)	77.99	<b>70.19</b>
	9400036 Instrument Tray, 175 x 140 x 24mm	130.49	<b>117.44</b>



## Periotome Handle and Blades Kit

- Periotome is used to remove ligament attachment from the root of the tooth and the alveolar housing
- Single end handle designed to use hand pressure or can be tapped lightly with the mallet
- 6-blade storage holder stands up for easy access during procedures, folds flat for sterilization and storage.
- Components can be purchased separately



In Use: Periotome is removing the ligament attachment from the root of the tooth and the alveolar housing.



Number	Description	Price	ACE+Plus
<b>Periotome Handle and Blades Kit</b>			
<b>A</b> 344-1770	Kit includes periotome, 5 blades, mallet and tray <b>Kit Includes:</b> (available separately)	\$364.49	<b>\$328.04</b>
<b>B</b> 16-9010-01	Single end Periotome handle only 6" (15cm)	130.49	<b>117.44</b>
<b>C</b> 344-1651	P3, 1.5mm, Angled 1.75" (4.5cm)	49.99	<b>48.49</b>
<b>D</b> 344-1631	P1, 2mm, Straight 1.5" (4cm)	49.99	<b>48.49</b>
<b>E</b> 344-1641	P2, 1.5mm, Straight 1.5" (4cm)	49.99	<b>48.49</b>
<b>F</b> 344-1691	2.5mm, Straight, Semi Rigid 1.5" (4cm)	49.99	<b>48.49</b>
<b>G</b> 344-1661	Arrow Shape Periotome 1.8" (4.9cm)	49.99	<b>48.49</b>
64-003-12S	Surgical Mallet, SS (shown in kit) 6.5" (16.5cm)	77.99	<b>70.19</b>
<b>H</b> 344-1665	Periotome Blade Storage Holder, holds 6 blades 6" (15.2cm)	59.99	<b>50.99</b>
9400036	Instrument Tray with supports and 1 retainer 175 x 140 x 24mm	130.49	<b>117.44</b>

## Graft Delivery Syringes

- With Funnels
- Stainless Steel



Number	Syringe Description	Detail	Price	ACE+Plus
<b>Graft Delivery Syringes</b>				
98-000-35	3.5mm Opening, holds approx. 1.6cc	Curved	\$123.79	<b>\$111.41</b>
<b>A</b> 98-000-45	4.5mm Opening, holds approx. 2.1cc	Curved	123.79	<b>111.41</b>
<b>B</b> 96-000-25	5.0mm Opening, holds approx. 2.3cc	Straight	123.79	<b>111.41</b>
98-000-60	6.0mm Opening, holds approx. 2.8cc	Curved	123.79	<b>111.41</b>
SYBG	7.0mm Opening, holds approx. 3.0cc	Curved	199.29	<b>179.36</b>

## Sterile Disposable Syringes

- Carries material to surgical site
- Can be used for delivery of any material to surgical site
- Single use, sterile

Number	Syringe Description	Detail	Price	ACE+Plus
<b>Sterile Disposable Syringe, Single Use</b>				
<b>C</b> 003-2019	Sterile Disposable Syringe	10/Pkg	\$41.99	<b>\$35.69</b>

## Implant Instrument Kit

13 Select and Popular ACE Implant Procedure Instruments.  
Each Sold Separately



Number	Instrument Description	Detail	Price	ACE+Plus
<b>Instrument Kit for Implants</b>				
<b>A</b>	61-003-90 Implant Lip Retractor	2-7/8" x 6-1/4"	\$107.49	<b>\$96.74</b>
<b>B</b>	01-000-88 U/Minn. Tongue and Cheek Retractor	5-1/2" (14cm)	27.49	<b>24.74</b>
<b>C</b>	20-001-18 #42 Adson Tissue Forceps, 1x2 Teeth	4-3/4" (12cm)	27.29	<b>24.56</b>
<b>D</b>	08-000-18 Castroviejo Caliper, Short Beaks 0-40mm, 45° Angle	3-1/2" (9cm)	251.49	<b>226.34</b>
<b>E</b>	30-051-17 Crile Wood Needle Holder, Straight, TC	6" (15cm)	95.29	<b>85.76</b>
<b>F</b>	03-000-73 #9 Molt Periosteal Elevator	7" (18cm)	36.79	<b>33.11</b>
<b>G</b>	03-000-01 #23 Seldin Periosteal Elevator	7-3/4" (19.5cm)	51.49	<b>46.34</b>
<b>H</b>	003-0995 #5 Round Blade Handle	6-1/4" (16cm)	33.99	<b>30.59</b>
<b>I</b>	10-002-21 #2/4 Molt Curette	7" (18cm)	51.49	<b>46.34</b>
<b>J</b>	94-000-35 Instrument Tray with Supports, 1 Retainer	275 x 178 x 24mm	140.79	<b>126.71</b>
<b>Select One:</b>				
<b>K</b>	01-170-94 Weider Tongue and Cheek Retractor, Adult	5" (13cm)	54.99	<b>49.49</b>
<b>L</b>	01-160-95 Weider Tongue and Cheek Retractor, Child	5" (13cm)	54.99	<b>49.49</b>
<b>Select One, Smooth or Serrated:</b>				
<b>M</b>	40-000-01 #9 Dean Scissors, Smooth	6-1/2" (16.5cm)	69.79	<b>62.81</b>
<b>N</b>	40-150-02 #9 Dean Scissors, 1 Blade Serrated	6-1/2" (16.5cm)	63.79	<b>57.41</b>



## Misch Ramus Graft Instrument Kits



Suggested Kit: following items sold individually (6 items total)

Number	Description	Length	Price	ACE+Plus
<b>Misch Ramus Graft Instrument Kit</b>				
<b>A</b>	<b>64-003-07</b> Mallet with Plastic Facings	8" (20cm)	\$ 98.29	<b>\$ 88.46</b>
<b>B</b>	<b>96-000-26</b> Bone Graft Holding Forceps	8" (20cm)	103.99	<b>93.59</b>
<b>C</b>	<b>05-012-20</b> Flat Chisel with 45° Angle, 5mm Wide	6" (15cm)	65.29	<b>58.76</b>
<b>D</b>	<b>05-020-57</b> Misch Ramus Retractor, Left, Curved Down	8-1/2" (21cm)	115.79	<b>104.21</b>
<b>E</b>	<b>05-020-56</b> Misch Ramus Retractor, Right, Curved Down	8-1/2" (21cm)	115.79	<b>104.21</b>
<b>F</b>	<b>053-1007</b> Iodine/Oil Cup, 6 oz.	3-1/4" x 2"	7.79	<b>7.56</b>

## Misch Symphysis Graft Instrument Kits



Suggested Kit: following items sold individually (8 items total)

Number	Description	Length	Price	ACE+Plus
<b>Misch Symphysis Graft Instrument Kit</b>				
A	04-9484-01 Trephine Bur, CA, 5.25mm ID, 32mm TL		\$ 82.29	\$ 69.95
B	04-9495-01 Trephine Bur, HP, 6mm ID, 49mm TL		82.29	69.95
C	417-9673 #8 Vertical Condenser with 5mm Markings	6" (15cm)	27.99	25.19
D	05-012-20 Flat chisel with 45° angle, 5mm wide	6" (15cm)	65.29	58.76
E	05-020-17 Cottle Nasal Chisel 6mm	6-1/4" (16cm)	65.29	58.76
F	96-000-26 Bone Graft Holding Forceps	8" (20cm)	103.99	93.59
G	64-003-07 Mallet with Plastic Facings	8" (20cm)	98.29	88.46
H	053-1007 Iodine or Oil Cup, 6 oz.	3-1/4" x 2"	7.79	7.56



Tapered tip is designed to fit the irrigation cannulas.

Includes adapter for additional connection options

## Suction and Irrigation

### McKesson Type

#### McKesson Type - Modified

- Clearing out an extraction site has never been easier
- Tapered tip designed to fit the irrigation cannulas
- Also perfect for suctioning those hard to reach implants



#### TEAMING UP TO REACH THE UNREACHABLE.

The honed, tapered end of the McKesson Type - Modified Suction Tip fits securely onto Irrigation Cannulas for finely controlled Suction and Irrigation.

### Yankaur Suction Tips

#### ACE Varijet™ Suction/Irrigation System

- Single-handed suction with controlled irrigation
- Flush and clean site with one convenient instrument
- Improved vision to the site by using fewer instruments

Number	Description	Length	Price	ACE+Plus
<b>McKesson Type</b>				
09-000-01	McKesson Suction Tip, 2mm	7" (18cm)	\$ 33.49	<b>\$ 30.14</b>
<b>A</b> 09-000-03	McKesson Suction Tip, 4mm	7" (18cm)	33.49	<b>30.14</b>
09-000-05	McKesson Suction Tip, 3mm	9" (23cm)	33.49	<b>30.14</b>
09-000-06	McKesson Suction Tip, 4mm	9" (23cm)	33.49	<b>30.14</b>
<b>McKesson Type - Modified</b>				
<b>B</b> 09-000-02	McKesson Modified Suction Tip, 3mm	7" (18cm)	33.49	<b>30.14</b>
<b>Yankauer Type</b>				
<b>C</b> 11-28-004	Complete	11" (28cm)	24.99	<b>22.49</b>
<b>D</b> 09-001-29	Complete, HVAC End	11" (28cm)	46.79	<b>42.11</b>
<b>E</b> 11-02-006	Replacement Tip Only	1" (2.5cm)	12.79	<b>11.51</b>
<b>ACE Varijet™ Suction/Irrigation System</b>				
<b>F</b> 09-000-90	VariJet™ Suction Irrigator, 3mm	8" (20cm)	287.99	<b>279.35</b>
<b>Suction Tubing Adapter</b>				
<b>G</b> 09-002-10	Adapter <b>H</b> with 1/4" x 1/8" Amber Latex Tubing	1.5m (5 ft)	53.99	<b>48.59</b>
<b>H</b> 09-002-11	Suction Tubing Adapter	5mm Head	29.29	<b>26.36</b>



## Irrigation Cannulas

### Irrigation Cannula for Internally Irrigated Systems

- Flushes and cleans the pathway of internally irrigated burs
- For use with syringe **C** (below)

### ACE Irrigation Cannulas

- Stainless Steel
- Luer Slip Fits Any Luer Type Syringe

### ACE Self-Filling Irrigation Syringe

- Includes one 2" angled cannula (09-001-66)
- Replacement cannulas sold individually, choose from any of the cannulas on this page

Actual Size	Needle Gauge	Diameter Inches	Diameter mm
.	<b>22</b>	0.0155	0.394
.	<b>20</b>	0.023	0.318
•	<b>18</b>	0.033	0.838
•	<b>16</b>	0.047	1.194
•	<b>14</b>	0.063	1.60
•	<b>12</b>	0.08	2.159
•	-	0.0787	2.0
•	-	0.1181	3.0
•	-	0.1575	4.0

Number	Description	Length	Price	ACE+Plus
<b>Irrigation Canula for Internally Irrigated Systems</b>				
<b>A</b>	09-001-75S 22 Gauge, Straight, Blunt End	each	\$ 15.79	<b>\$ 15.32</b>
<b>1-1/4" (3.5cm) Cannulas</b>				
	09-001-59 12 Gauge, 45° angle	each	15.79	<b>15.32</b>
	09-001-62 14 Gauge, 45° angle	each	15.79	<b>15.32</b>
	09-001-65 16 Gauge, 45° angle	each	15.79	<b>15.32</b>
<b>B</b>	09-001-68 18 Gauge, 45° angle	each	15.79	<b>15.32</b>
	09-001-71 20 Gauge, 45° angle	each	15.79	<b>15.32</b>
<b>2" (5cm) Cannulas</b>				
	09-001-60 12 Gauge, 45° angle	each	15.79	<b>15.32</b>
	09-001-63 14 Gauge, 45° angle	each	15.79	<b>15.32</b>
	09-001-66 16 Gauge, 45° angle	each	15.79	<b>15.32</b>
	09-001-69 18 Gauge, 45° angle	each	15.79	<b>15.32</b>
	09-001-72 20 Gauge, 45° angle	each	15.79	<b>15.32</b>
	09-001-75 22 Gauge, 45° angle	each	15.79	<b>15.32</b>
<b>3" (7.5cm) Cannulas</b>				
	09-001-61 12 Gauge, 45° angle	each	15.79	<b>15.32</b>
	09-001-64 14 Gauge, 45° angle	each	15.79	<b>15.32</b>
	09-001-67 16 Gauge, 45° angle	each	15.79	<b>15.32</b>
	09-001-70 18 Gauge, 45° angle	each	15.79	<b>15.32</b>
	09-001-73 20 Gauge, 45° angle	each	15.79	<b>15.32</b>
<b>ACE Self-Filling Irrigation Syringe</b>				
<b>C</b>	09-001-01 Includes 1mm Cannula, Stainless Steel, 10cc	--	156.99	<b>141.29</b>



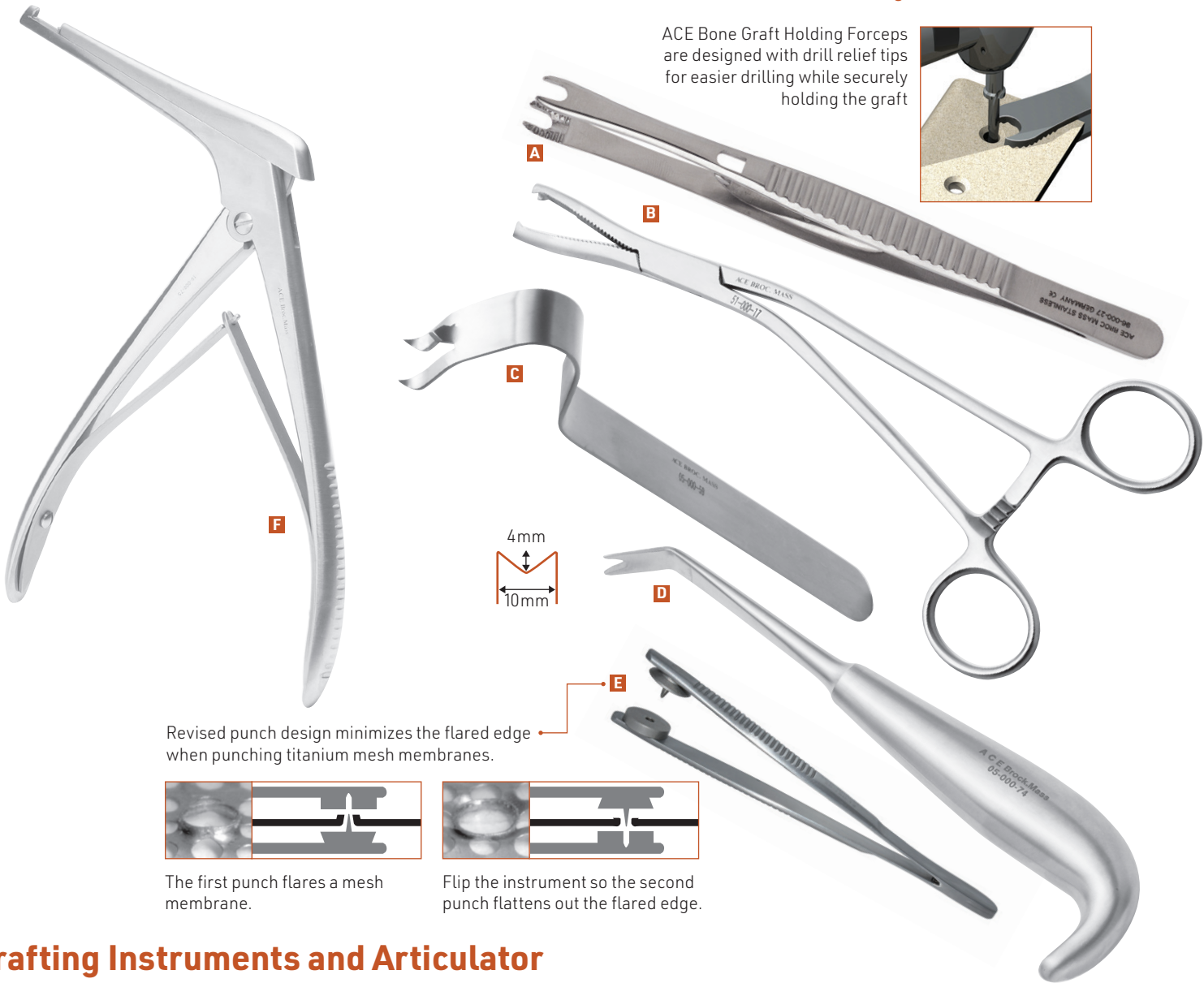
## Grafting Instruments and Kits



## Grafting Instruments

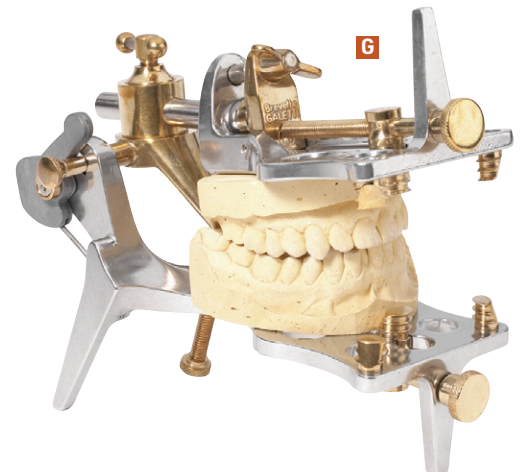
Number	Description	Detail	Price	ACE+Plus
<b>Kuehne Membrane Holding Forceps</b>				
<b>A</b>	96-003-22 Kuehne Forceps, Angled, without Lock	4-1/4" (10.5cm)	\$ 35.49	<b>\$ 31.94</b>
<b>B</b>	96-003-24 Kuehne Forceps, Straight, Locking	4-1/4" (10.5cm)	65.29	<b>58.76</b>
	96-003-26 Kuehne Forceps, Straight, without Lock	4-1/4" (10.5cm)	35.49	<b>31.94</b>
<b>Titanium Implant Holding Forceps Angled, Contoured</b>				
<b>C</b>	20-253-67 ACE Implant Holding Forceps, Ti	6-1/4" (16cm)	193.79	<b>174.41</b>
<b>Titanium Dressing Forceps</b>				
<b>D</b>	20-253-64 ACE Dressing Forceps, Ti	5-3/4" (14.5cm)	98.29	<b>88.46</b>
<b>Implant Curette</b>				
<b>E</b>	10-002-16 Round Cups, Ti, 5 x 10mm & 6 x 20mm	5-1/2" (14cm)	110.99	<b>99.89</b>
<b>Sinus Lift Instrument</b>				
<b>F</b>	10-002-48 Shepherd Sinus Lift Curette, Double Ended	7" (18cm)	47.99	<b>43.19</b>
<b>Lucas Bone Curette</b>				
<b>G</b>	10-002-24 3.5mm Serrated, 5 teeth, Double Ended	6-1/2" (17cm)	51.49	<b>46.34</b>
	10-002-26 4.5mm Serrated, 7 teeth, Double Ended	6-1/2" (17cm)	51.49	<b>46.34</b>
<b>Membrane Placement Instrument</b>				
<b>H</b>	03-001-39 ACE Buser Type Elevator	7" (18cm)	37.79	<b>34.01</b>

Grafting Instruments and Kits



Grafting Instruments and Articulator

Number	Description	Detail	Price	ACE+Plus
<b>Bone Graft Holding Forceps</b>				
	96-000-26	Bone Graft Holding Forceps	8" (20cm)	\$ 103.99 <b>\$ 93.59</b>
<b>A</b>	96-000-27	Bone Graft Holding Forceps	6" (15cm)	103.99 <b>93.59</b>
<b>Bone Holding Forceps</b>				
<b>B</b>	51-000-17	Dingman, Heavy Pattern, Slotted Jaw	7-1/2" (19cm)	120.79 <b>108.71</b>
<b>Retractors for Chin Exposure</b>				
<b>C</b>	05-000-59	Chin Retractor	5-1/2" (14cm)	164.29 <b>147.86</b>
<b>Anterior Border Stripper</b>				
<b>D</b>	05-000-74	Anterior Border Stripper, 10mm Wide Blade	7" (18cm)	98.29 <b>88.46</b>
<b>Membrane Punch</b>				
<b>E</b>	96-003-03	Membrane Punch, Stainless Steel	3-1/4" (8.5cm)	76.99 <b>69.29</b>
<b>Kerrison Rongeur</b>				
<b>F</b>	10-000-75	Kerrison Rongeur, 3.5mm Bite, 4" Shaft	5-3/4" (14cm)	512.99 <b>461.69</b>
<b>Galetti Articulator</b>				
<b>G</b>	05-000-96	Galetti Articulator		567.79 <b>511.01</b>





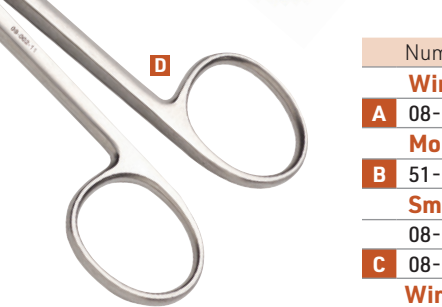
Grafting Instruments and Kits



A



B

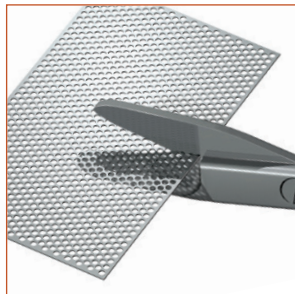


C



D

Smith Wire Cutters can be used to cut and shape titanium mesh (p 24).



Grafting Instruments

Number	Description	Length	Price	ACE+Plus
<b>Wire Cutter</b>				
A 08-051-92	ACE Wire Cutter - TC (Max 0.5)	5" (13cm)	\$130.49	\$117.44
<b>Modeling Plier</b>				
B 51-000-65	Modeling Plier, Point Beak	5-1/4" (13.5cm)	77.99	70.19
<b>Smith Wire Cutting Scissors</b>				
08-002-13	1 blade is serrated	6" (15cm)	68.79	61.91
C 08-052-60	1 blade is serrated - TC	7" (18cm)	149.99	134.99
<b>Wire Cutting Scissors</b>				
66-14-052	Wire Cutting Scissors, Economy	4-3/4" (12cm)	8.49	7.64
D 08-002-11	Wire Cutting Scissors	4-3/4" (12cm)	51.49	46.34
08-052-12	Wire Cutting Scissors - TC	4-3/4" (12cm)	138.79	124.91

TC = Tungsten Carbide  
Ti = Titanium

## Exacta® Mouth Props and Calculator

### A ACE X-Ray Magnification Calculator™

- Specially designed for dental implantology and orthodontics
- Eliminates the complex calculations for determining panoramic x-ray distortion
- Measurements can easily be obtained to determine the precise magnification of the x-ray and to accurately determine the amount of bone available for implant placement
- Can be used with the Exacta Mouth Prop® (below)
- Actual size: 3-3/4" x 9-1/2", 9.5cm x 24cm
- Cold sterilization only

### B Exacta® Mouth Prop with Calculator Pin

- For use with 003-1967 ACE X-Ray Magnification Calculator

### C Exacta® Mouth Prop with 6mm Marking Ball

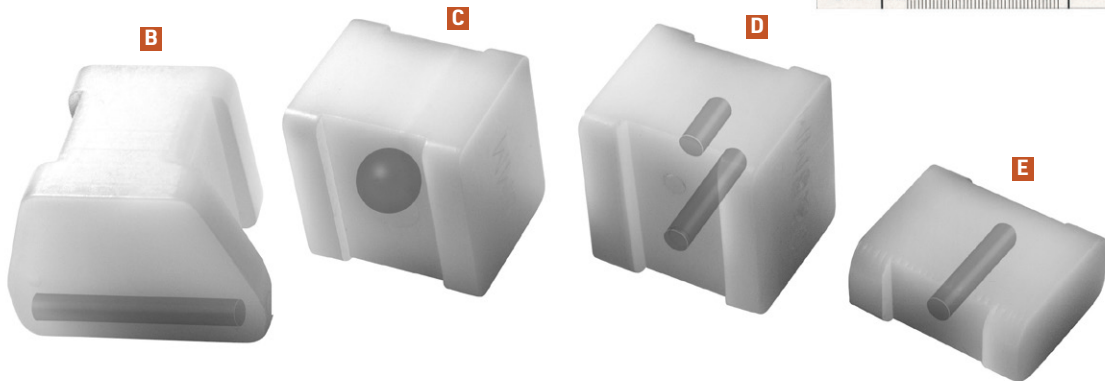
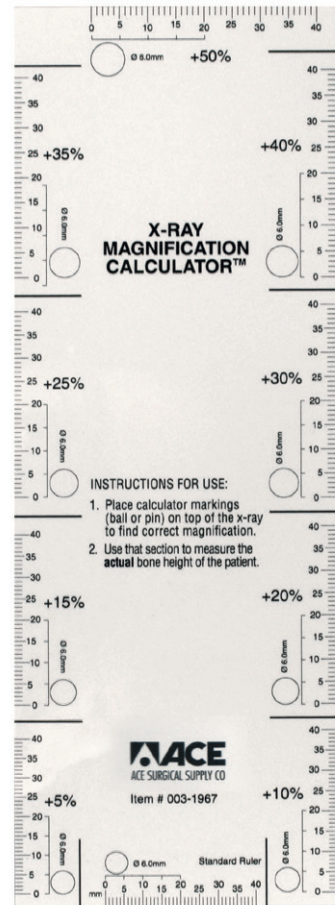
- Exacta mouth prop has a 6mm spherical marking ball

### D Exacta® Mouth Prop with 5mm and 10mm Pin

- The size of the pin on a panoramic x-ray is comparable to the original pin length. The amount of elongation is determined and the exact measurement extrapolated (if a 10mm pin increases to 12mm, a 20% elongation is realized - the x-ray bone height is reduced by 20%.)

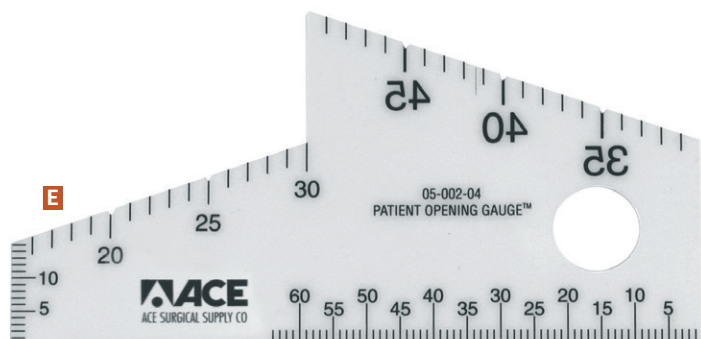
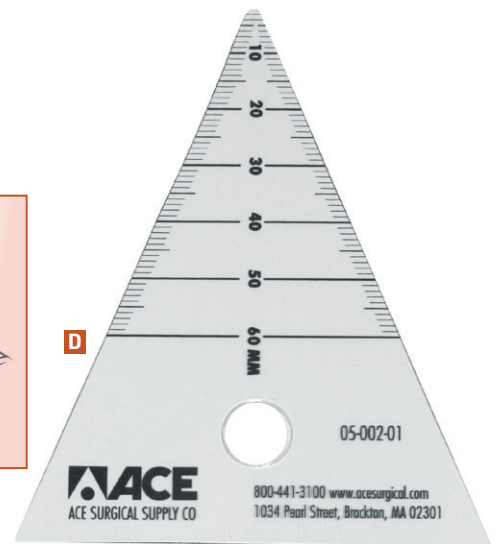
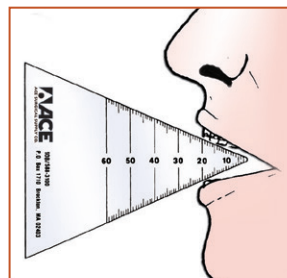
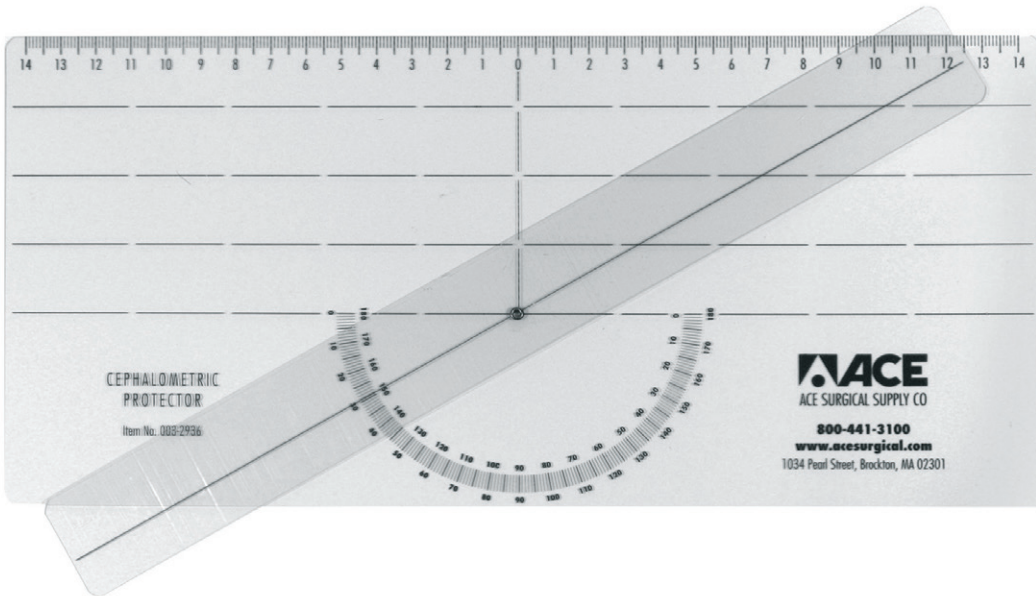
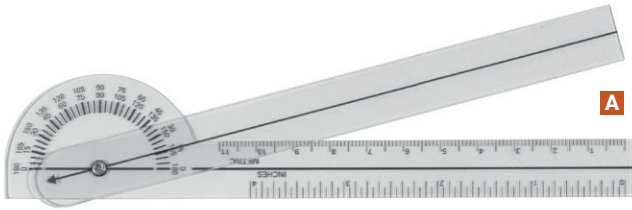
### E Exacta® Mouth Prop with 10mm Pin

- Allows simple and exact determination of vertical bone height in dental implantology
- Contains a 10mm pin
- For single tooth or narrow edentulous area



Number	Description	Price	ACE+Plus
<b>X-Ray Magnification Calculator</b>			
A 003-1967	ACE X-Ray Magnification Calculator, 3-3/4" x 9-1/2"	\$29.29	\$26.36
<b>Exacta® Mouth Prop with Calculator Pin</b>			
B 01-004-56	Exacta® Mouth Prop with 20mm Calculator Pin	52.49	50.92
<b>Exacta® Mouth Prop with 6mm Marking Ball</b>			
C 01-004-50	Exacta® Mouth Prop with 6mm Marking Ball	52.49	50.92
<b>Exacta® Mouth Prop with 5mm and 10mm Pin</b>			
D 01-003-50	Exacta® Mouth Prop with 5mm and 10mm pins	52.49	50.92
<b>Exacta® Mouth Prop with 10mm Pin</b>			
E 01-004-48	Exacta® Mouth Prop with 10mm pin	27.29	26.47

Grafting Instruments and Kits





## Measuring Instruments

### Cephalometric Measuring Instruments

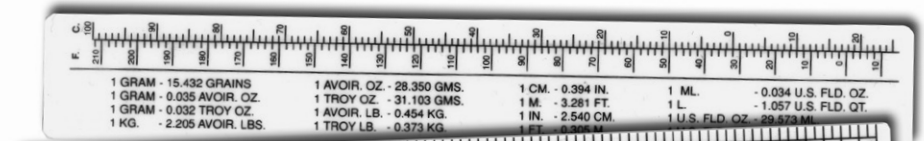
- Cold sterilization only



F

### Plastic Intermaxillary Ruler

- Specifically designed to confirm intermaxillary opening
- Millimeter increments
- Cold sterilization only



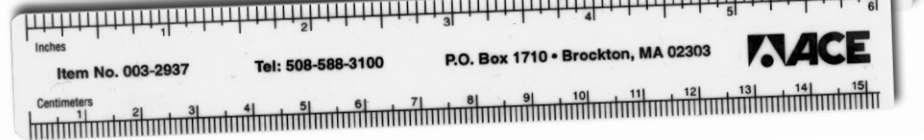
G

### Patient Opening Gauge

- Allows patient to monitor progress at home
- Cold sterilization only

### Plastic Ruler

- Standard and metric increments
- Cold sterilization only



Number	Description	Detail	Price	ACE+Plus
<b>Cephalometric Measuring Instruments</b>				
A	05-002-05	Protractor, 2 Limbs (COLD)	6-3/4" (17cm)	\$22.49 <b>\$21.82</b>
B	003-2936	Protractor (COLD)	11-1/2" (29cm)	16.79 <b>15.11</b>
C	003-2938	Incisor/Molar Tracing Template (COLD)		10.79 <b>9.71</b>
<b>Plastic Intermaxillary Ruler</b>				
D	05-002-01	Intermaxillary Ruler (COLD)	4-1/4" x 3-3/4" (11cm x 9.5cm)	14.79 <b>13.31</b>
<b>Patient Opening Gauge</b>				
E	05-002-04	Patient Opening Gauge (COLD)		7.79 <b>7.01</b>
<b>Stainless Steel Rulers</b>				
	08-000-03	Stainless Steel Ruler, 1/2" x 4" (10.5cm)	each	12.79 <b>11.51</b>
F	08-000-11	Stainless Steel Ruler, 1/2" x 6" (15cm)	each	12.79 <b>11.51</b>
<b>Plastic Ruler</b>				
G	003-2937	Plastic Ruler, 7/8" x 6" (15cm)	10/pkg	17.79 <b>16.01</b>
<b>Acetate Tracing Paper</b>				
H	003-2986	Acetate Tracing Paper, .003", 8" x 10"	50/pkg	29.29 <b>28.41</b>
I	003-2987	Acetate Tracing Paper, .005", 8" x 10"	50/pkg	37.79 <b>36.66</b>

(COLD) = Cold sterilization only



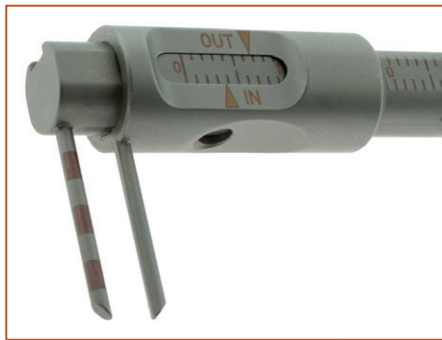
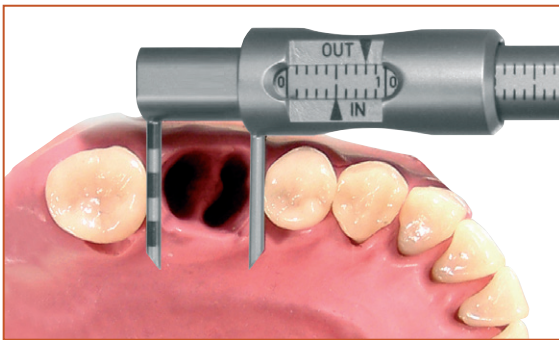
Grafting Instruments and Kits



## Calipers



Number	Description	Detail	Price	ACE+Plus	
<b>Castroviejo Calipers</b>					
A	08-000-15	Caliper with Short Beak, 0-20mm, Straight	3-1/4" (8cm)	\$193.79	\$174.41
B	08-000-16	Caliper with Short Beak, 0-20mm, 45° Angle	3-1/4" (8cm)	225.79	203.21
C	08-000-17	Caliper with Short Beak, 0-40mm, Straight	3-1/4" (8cm)	225.79	203.21
D	08-000-18	Caliper with Short Beak, 0-40mm, 45° Angle	3-1/2" (9cm)	251.49	226.34
E	08-000-19	Caliper with Long Beak, 0-40mm, Straight	6-1/2" (16.5cm)	251.49	226.34
	08-000-20	Caliper with Long Beak, 0-40mm, 45° Angle	6-1/2" (16.5cm)	270.29	243.26
<b>Bone Measuring Calipers</b>					
F	08-000-50	Implant Caliper, Short, 0-20mm	3-1/2" (9cm)	181.49	163.34
G	08-000-59	Ridge Mapping Caliper, 0-25mm	6" (15cm)	238.49	214.64
H	08-693-01	Sliding Caliper, 0-95mm	5" (13cm)	236.49	212.84



H Allows for measuring and maintaining space and angulation between implants.



## Calipers and Gauges

### Digital Caliper with Thumb Wheel

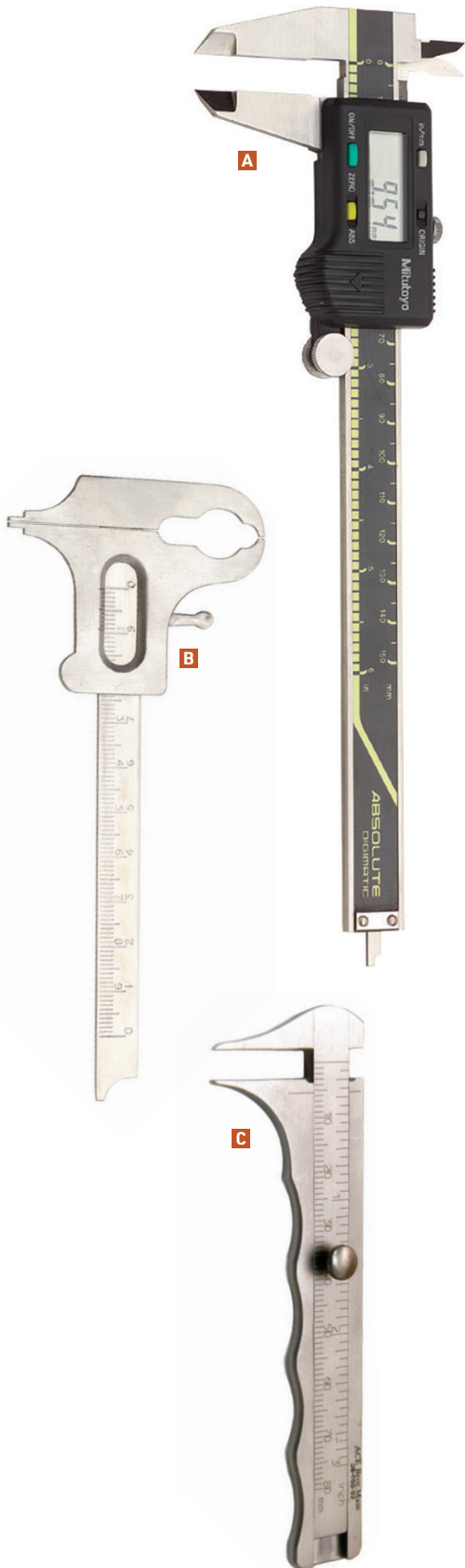
- Push button converts inches to millimeters
- Measure distance, ID (inner diameter) and OD (outer diameter)
- Cannot be autoclaved

### Boley Guages

- Marking lines are 1mm, numbered by cm
- Measure distance, ID (inner diameter) and OD (outer diameter)

### Jameson Caliper

- Marking lines are 1mm and 1/16"
- Measure distance, and OD (outer diameter)



Number	Description	Quantity	Price	ACE+Plus
<b>Digital Caliper with Thumb Wheel</b>				
<b>A</b> 08-000-14	Digital Caliper, 0-6", 150mm	9" (23cm)	\$213.29	<b>\$191.96</b>
<b>Boley Guages</b>				
<b>B</b> 08-000-10	Boley Guages, 0-100mm	5-1/2" (14cm)	98.29	<b>88.46</b>
<b>Jameson Caliper</b>				
<b>C</b> 08-000-07	Jameson Caliper	4" (10cm)	132.79	<b>119.51</b>

## Probes and Gauges

### Probe

- For measuring bony osteotomies in hard-to-reach areas
- 8, 10, 13, 15, 18mm Markings
- Titanium (6Al-4V-ELI)

### Depth Packing Gauge

- For use with 3.3mm, 3.75mm and 4.0mm self-tapping implants
- Contoured ends allow use as packing instrument; especially useful in sinus elevation procedures
- 3.3mm and 4mm end diameters
- 8, 10, 13, 15, 18mm markings Titanium (6Al-4V-ELI)

### Implant Depth Gauge with Ball End

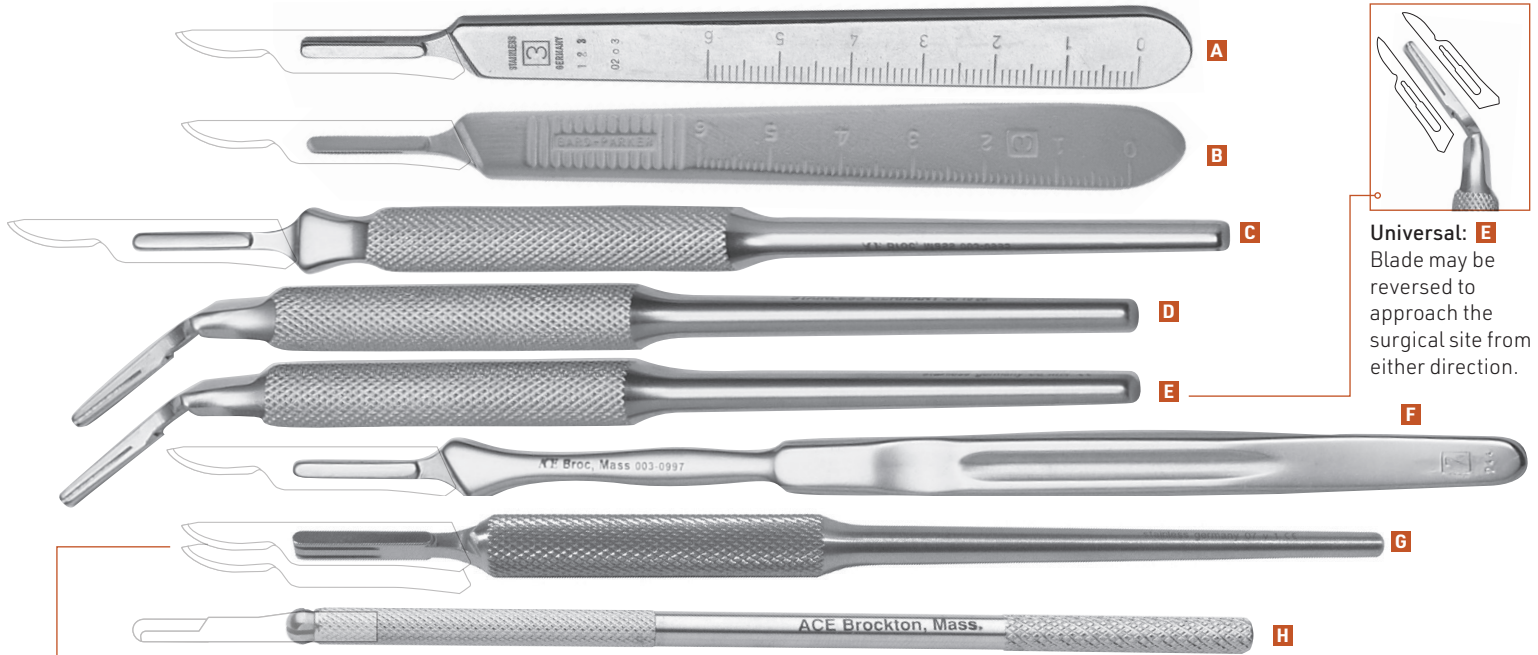
- Ball end is useful for examination of bone preparation and in cases where the floor of the bone osteotomy site has been perforated
- Use at the 2.0mm drilling stage
- 7, 8, 10, 13, 15, 18, 20mm markings
- Titanium (6Al-4V-ELI)



Number	Description	Quantity	Price	ACE+Plus
<b>Probe</b>				
<b>A</b> 63-011-05	Probe (Titanium)	6" (15cm)	\$ 86.79	\$ 78.11
<b>Depth Packing Gauge</b>				
<b>B</b> 714-0243	Depth Packing Gauge (Titanium), double ended	6-1/2" (16.5cm)	107.49	96.74
<b>Implant Depth Gauge w/Ball End</b>				
<b>C</b> 96-006-39	Implant Depth Gauge (Titanium), ball end	4" (10cm)	71.79	64.61

All instruments Stainless Steel unless noted.

## Surgical Blade Handles



Universal: **E**  
Blade may be reversed to approach the surgical site from either direction.

See "Subepithelial Tissue Graft" inset on the next page.

Number	Description	Detail	Price	ACE+Plus
<b>BLADE HANDLES</b>				
<b>#3 Flat Blade Handles</b>				
<b>A</b>	003-0992 ACE #3M, with Metric Markings	5" (13cm)	\$13.79	\$12.41
	003-0993 ACE #3	5" (13cm)	12.79	11.51
<b>B</b>	097-0993 Bard Parker #3M, with Metric Markings	5" (13cm)	23.99	23.27
	417-6401 Hu-Friedy #3M, with Metric Markings	5" (13cm)	27.49	24.74
<b>#5 Round Style Blade Handles</b>				
<b>C</b>	003-0995 ACE #5, Straight	6-1/4" (16cm)	33.99	30.59
	417-6403 Hu-Friedy #5, Straight	5-3/4" (14.5cm)	80.29	72.26
<b>D</b>	003-9356 ACE #5, 45° Angle	5-1/2" (13cm)	42.99	38.69
	417-6404 Hu-Friedy #5A, 45° Angle	5-3/4" (14.5cm)	69.29	62.36
<b>E</b>	003-9358 ACE #5, 45° Angle, universal (see inset)	5-3/4" (14.5cm)	42.99	38.69
	003-9360 ACE #5, 45° Angle, reversed For Blade Placement on the Side	5-1/2" (13cm)	42.99	38.69
<b>F</b>	003-0997 ACE #7, Straight	6-1/2" (16.5cm)	21.49	19.34
<b>DOUBLE BLADE HANDLES</b>				
<b>Flat Double Blade Handle with Metric Markings</b>				
	003-9362 Double Blade, 1.5mm Wide	5" (13cm)	98.29	88.46
<b>Round Style Double Blade Handle</b>				
<b>G</b>	003-9372 Double Blade, 1mm Wide	5-3/4" (14.5cm)	98.29	88.46
	003-9364 Double Blade, 1.5mm Wide	5-3/4" (14.5cm)	98.29	88.46
<b>MINI BLADE HANDLES</b>				
<b>ACE Mini Blade Handles</b>				
	786-1330 Mini Blade Handle	4" (10cm)	22.49	21.82
<b>H</b>	786-1350 Mini Blade Handle	5" (13cm)	22.49	21.82
	786-1320 Mini Blade Handle	6" (15.5cm)	22.49	21.82
<b>Beaver Mini Blade Handles</b>				
	113-1310 #3K, Knurled Handle,	4" (10cm)	61.79	59.94
	113-1360 #3D, Knurled Handle,	5" (13cm)	75.29	73.03
	113-1350 #3KD, Knurled Handle,	5" (13cm)	68.79	66.73
	113-1340 #3HL, Hexed Handle,	6" (15.5cm)	100.79	97.77
	113-1305 Replacement Chuck Collet (for 113-1360)		15.79	15.32



## ACE Surgical Blades



Number	Description	Detail	Price	ACE+Plus
--------	-------------	--------	-------	----------

### ACE STERILE SURGICAL BLADES

#### ACE Stainless Steel

003-7215	#15* Stainless Steel, see <b>15*</b> tip difference	100/box	\$26.29	<b>\$25.50</b>
003-7315	#15C Stainless Steel	100/box	27.29	<b>26.47</b>

#### ACE Carbon Steel

003-6112	#12 Carbon Steel	100/box	27.29	<b>26.47</b>
003-6312	#12D Carbon Steel	100/box	36.79	<b>35.69</b>
003-6115	#15 Carbon Steel	100/box	23.79	<b>23.08</b>
003-6315	#15C Carbon Steel	100/box	26.29	<b>25.50</b>

### ACE STERILE MINI BLADES

#### ACE Stainless Steel 0.6mm Thickness

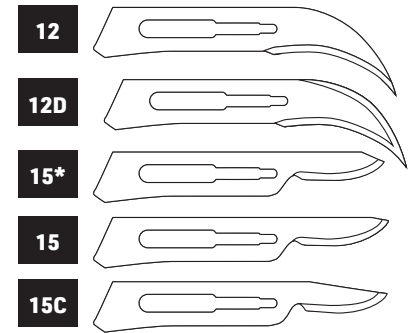
786-6200	ACE Sterile Mini Blades, #62	10/pkg	24.99	<b>24.24</b>
786-6400	ACE Sterile Mini Blades, #64	10/pkg	24.99	<b>24.24</b>
786-6500	ACE Sterile Mini Blades, #65	10/pkg	24.99	<b>24.24</b>
786-6700	ACE Sterile Mini Blades, #67	10/pkg	24.99	<b>24.24</b>
786-6900	ACE Sterile Mini Blades, #69	10/pkg	53.99	<b>52.37</b>

### BEAVER STERILE MINI BLADES

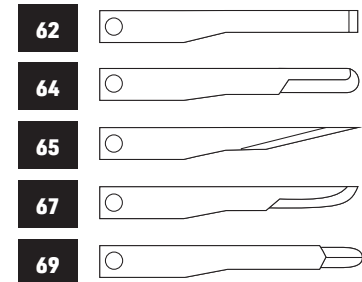
#### Beaver Mini Blades

113-6300	Beaver Sterile Mini Blades, #63	6/pkg	135.29	<b>131.23</b>
411-6400	Beaver Sterile Mini Blades, #64	20/pkg	79.29	<b>76.91</b>
411-6700	Beaver Sterile Mini Blades, #67	20/pkg	80.49	<b>78.08</b>
411-6900	Beaver Sterile Mini Blades, #69	20/pkg	262.49	<b>254.62</b>
411-6910	Cleft Palate, 60° Angle, 180° Cutting Surface	6/pkg	146.49	<b>142.10</b>

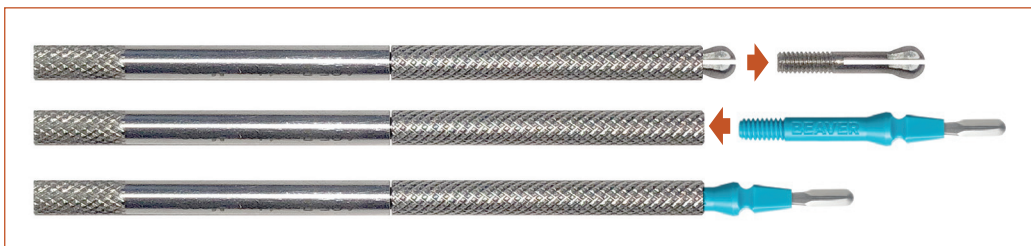
### ACE Surgical Blades



### ACE Mini Blades



### Beaver Mini Blades



Beaver threaded Mini Blades are screwed onto a mini blade handle (with the end clamp removed) while still in the protective tray.

Continue to thread handle until the thread is fully engaged and the Blade is released from the tray clips.

## Unigraft Knife Connective Tissue Harvester

**For taking precise keratinized epithelial and connective tissue grafts**

Allows for the harvesting of a predictable, uniform, keratinized epithelial graft from the palate to build and ensure adequate marginal or crestal gingiva.

### Tips for Successful Use of the Connective Tissue Graft Harvester

- Follow all the instructions on the ACE Connective Tissue Graft Harvester Procedure Wall Chart (starting incision preparation, lubricant on the leading edge of the horseshoe, etc.).
- A more conservative tunnel release without verticals may be performed for single or multiple teeth when the extent of the defect is not very significant.
- Evaluate the palatal tissue thickness by bone sounding with a probe prior to using the harvester. The harvester works best with tissue of at least 3mm thickness.
- If it is difficult to advance, move the harvester in a small medial lateral wiggle, in addition to the required posterior movement to assist with cutting. Do not use a dull blade (typical life of 3 uses).
- Be sure to put a considerable amount of pressure in a superior direction to avoid making a superficial cut, which can damage the pedicle.



For Graft Site Closure Use **Glustitch Periacryl® 90 Tissue Adhesive**  
See Page 23



Number	Detail	Price	ACE+Plus
<b>Unigraft Knife - Handle</b>			
<b>A</b> 65-000-14	ACE Unigraft Knife Handle	Handle Only	\$223.79 <b>\$201.41</b>
<b>Single Shoe Blade for Unigraft Knife*</b>			
The same handle is used for the ACE Unigraft Knife and the ACE Connective Tissue Graft Harvester.			
65-000-04	Single Shoe Blade	1.25mm x 6mm	61.79 <b>59.94</b>
<b>B</b> 65-000-05	Single Shoe Blade	1.5mm x 6mm	61.79 <b>59.94</b>
65-000-07	Single Shoe Blade	1.25mm x 9mm	61.79 <b>59.94</b>
65-000-08	Single Shoe Blade	1.5mm x 9mm	61.79 <b>59.94</b>
<b>Double Shoe Tissue Harvester Blade*</b>			
<b>C</b> 65-000-09	Double Shoe Blade	1.5mm x 9mm	82.29 <b>79.82</b>

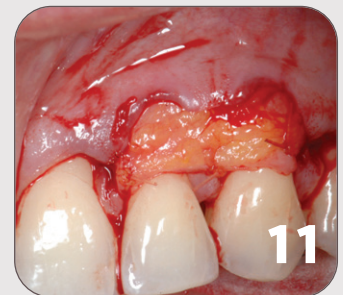
\* Replacement Single and Double Shoes are Interchangeable.



Patient presented with recession and minimal keratinized tissue on tooth 10 and 11.



Petroleum jelly (Vaseline) may be placed upon the leading edge of the horseshoe to assist in advancing the ACE Connective Tissue Graft.

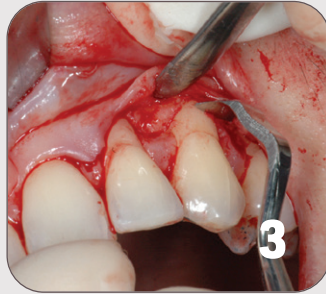


Connective tissue sutured in place with 5-0 chromic gut suture.

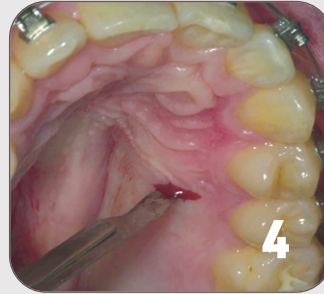
## Connective Tissue Graft Harvester Procedure



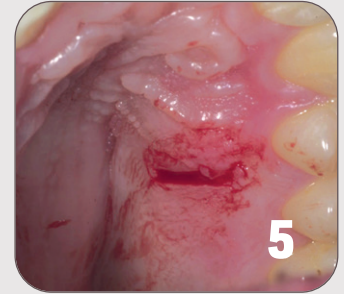
2  
Horizontal incisions made for access and flap release. NOTE: A more conservative tunneling preparation without horizontal or vertical release incisions may be seen in Saadoun, A. "Current Trends in Gingival Recession Coverage-Part 1: The Tunnel Connective Tissue Graft" Pract Proced Aesthet Dent 2006;18(7):433-438.



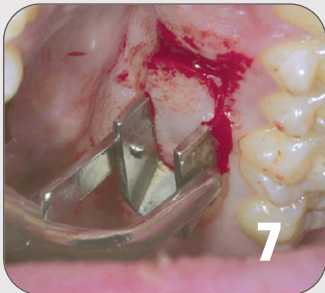
3  
The root surface is prepared with a diamond bur (92-25-0023) or curettes.



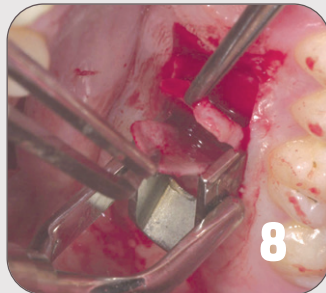
4  
A small 9mm long V incision is prepared with a #15 blade.



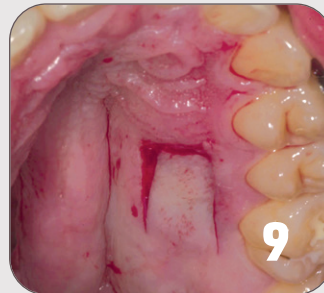
5  
The prepared V will assist in starting the ACE Connective Tissue graft harvester.



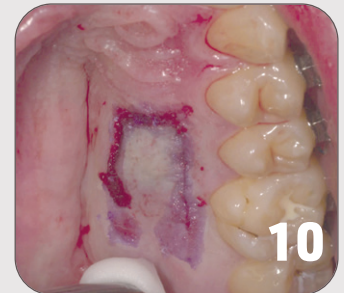
7  
The leading edge of the ACE Connective Tissue Graft Harvester blades are placed into the V and it is advanced toward the posterior. The distance advanced should be equal to the amount of tissue needed to treat the recession defect.



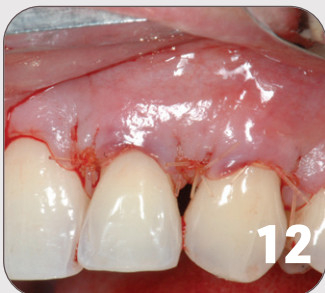
8  
The pedicle epithelial containing layer can be seen as well as the connective tissue layer which is harvested with a #15 blade after harvester removal.



9  
The epithelium containing pedicle flap is replaced.



10  
PeriAcryl™ (157-5000) is used to fixate the pedicle flap.



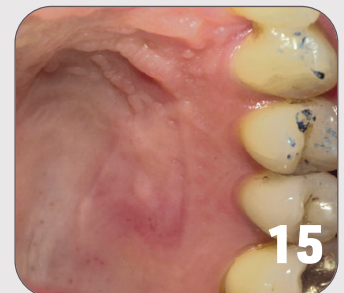
12  
Flap coronally advanced to cover the connective tissue and sutured with 5-0 chromic gut suture.



13  
Healing at 9 days.



14  
1 month healing showing root coverage.



15  
1 month palatal healing showing complete healing.

The procedures and techniques presented throughout this catalog are intended to provide basic reference only and should not be substituted for the complete surgical procedure being performed by a licensed practitioner. A

complete understanding and execution of the techniques and procedures presented within this catalog are the full responsibility of the licensed practitioner. These procedures and techniques are NOT TO BE SUBSTITUTED for the

practitioner's complete knowledge, education, experience or for any instrumentation or product instruction for use.



## Contra Angle Tissue Punches



Number	Description	Qty	Price	ACE+Plus
<b>Complete Set of Mucosa Tissue Punches</b>				
Includes 6 Contra Angle Tissue Punches, Ratchet Extension, Thumb Knob and Delrin Tray				
<b>A</b>	92-000-20 Complete Set of Mucosa Tissue Punches	Set of 6	\$517.29	<b>\$439.70</b>
<b>Contra Angle Tissue Punches</b>				
	92-000-02 ø2mm Mucosa Punch, for CA, 1" (25mm)	each	68.29	<b>58.05</b>
<b>B</b>	92-000-03 ø3mm Mucosa Punch, for CA, 1" (25mm)	each	68.29	<b>58.05</b>
	92-000-01 ø3.5mm Mucosa Punch, for CA, 1" (25mm)	each	68.29	<b>58.05</b>
<b>C</b>	92-000-04 ø4mm Mucosa Punch, for CA, 1" (25mm)	each	68.29	<b>58.05</b>
<b>D</b>	92-000-05 ø5mm Mucosa Punch, for CA, 1" (25mm)	each	68.29	<b>58.05</b>
<b>E</b>	92-000-06 ø6mm Mucosa Punch, for CA, 1" (25mm)	each	68.29	<b>58.05</b>
<b>Tissue Punches Driver</b>				
<b>F</b>	20-1550-01 Thumb Knob	each	33.99	<b>28.89</b>
<b>G</b>	20-1554-11 Ratchet Extension	each	47.49	<b>40.37</b>
	96-004-49 Square Titanium Bowl, 50 x 50mm x 12mm deep	each	101.79	<b>91.61</b>

### TISSUE PUNCH SIZE CHART

1.5mm	2mm	2.5mm	3mm
●	●	●	●
3.5mm	4mm	5mm	6mm
●	●	●	●

## Tissue Punches

Choose Between Reusable and Sterile and Disposable



Number	Description	Qty	Price	ACE+Plus
<b>Long Handle Straight Tissue Punches</b>				
<b>A</b> 90-000-03	ø3mm Long Handle, Straight, 4" (10cm)	each	\$ 34.49	\$ 31.04
90-000-04	ø4mm Long Handle, Straight, 4" (10cm)	each	34.49	31.04
90-000-05	ø5mm Long Handle, Straight, 4" (10cm)	each	34.49	31.04
<b>Long Handle Angled Tissue Punches</b>				
90-000-60	ø3mm Long Handle, Angled, 4" (10cm)	each	53.99	48.59
<b>B</b> 90-000-80	ø4mm Long Handle, Angled, 4" (10cm)	each	53.99	48.59
<b>Short Handle Half Cut Tissue Punches</b>				
20-1785-01	ø3.5mm Short Handle, Half Cut, 1-1/4" (3cm)	each	39.79	35.81
<b>C</b> 20-1785-02	ø4mm Short Handle, Half Cut, 1-1/4" (3cm)	each	39.79	35.81
20-1785-03	ø5mm Short Handle, Half Cut, 1-1/4" (3cm)	each	39.79	35.81
20-1785-04	ø6mm Short Handle, Half Cut, 1-1/4" (3cm)	each	39.79	35.81
<b>Long Handle Disposable Tissue Punches</b>				
Sterile • Single Use • Plastic Handle				
603-3331A	ø1.5mm Long Handle Disposable, 4" (10cm)	10/pkg	24.99	22.49
603-3331	ø2mm Long Handle Disposable, 4" (10cm)	50/box	123.79	111.41
603-3331B	ø2.5mm Long Handle Disposable, 4" (10cm)	10/pkg	24.99	22.49
603-3332	ø3mm Long Handle Disposable, 4" (10cm)	10/pkg	24.99	22.49
603-3333	ø3.5mm Long Handle Disposable, 4" (10cm)	10/pkg	24.99	22.49
<b>D</b> 603-3334	ø4mm Long Handle Disposable, 4" (10cm)	50/box	123.79	111.41
603-3335	ø5mm Long Handle Disposable, 4" (10cm)	50/box	123.79	111.41
603-3336	ø6mm Long Handle Disposable, 4" (10cm)	50/box	123.79	111.41
<b>Short Handle Disposable Tissue Punches</b>				
Sterile • Single Use • Plastic Handle				
<b>E</b> 603-3333SH	ø3.5mm Short Disposable, 1-1/16" (2.7cm)	50/box	111.99	100.79
603-3334SH	ø4mm Short Disposable, 1-1/16" (2.7cm)	50/box	111.99	100.79
603-3335SH	ø5mm Short Disposable, 1-1/16" (2.7cm)	50/box	111.99	100.79
603-3336SH	ø6mm Short Disposable, 1-1/16" (2.7cm)	50/box	111.99	100.79

## ACE Sutures



### Reverse Cutting Needles

#### 3/8 Circle



#### 1/2 Circle



### Taper Point Needles

#### 1/2 Circle



Number	Size	Description	Needle	In.	Qty	Comparable to Ethicon		Comparable to Look		Price	ACE+Plus
						Suture	Needle	Suture	Needle		
<b>ACE Sutures</b>											
003-2480	3-0	Plain Gut	DS18	18"	12	H822G	FS2	592B	C6	\$29.99	\$29.09
003-2504	3-0	Plain Gut	DS18	27"	12	-	FS2	-	C6	28.99	28.12
003-2481	3-0	Plain Gut	HS24	18"	12	612G	X1	594B	C31	28.29	27.44
003-2493	3-0	Plain Gut	DS24	30"	12	H810H	FS1	-	-	26.29	25.50
003-2483	4-0	Plain Gut	DS18	18"	12	7771	FS2	591B	C6	29.99	29.09
003-2506	4-0	Plain Gut	DS18	27"	12	H821G	FS2	551B	C6	28.29	27.44
003-2490	5-0	Plain Gut	DSM13	18"	12	686G	P3	596B	C3	57.99	56.25
003-2484	3-0	Chromic Gut	DS18	18"	12	636G	FS2	-	-	28.99	28.12
003-0043	3-0	Chromic Gut	DS18	27"	12	636G	FS2	560B	C6	29.99	29.09
003-2503	3-0	Chromic Gut	DS24	30"	12	-	FS1	-	C7	40.79	39.57
003-2505	3-0	Chromic Gut	HR26	30"	12	G122H	SH	-	T	46.79	45.39
003-2485	4-0	Chromic Gut	DS18	18"	12	-	FS2	558B	C6	29.99	29.09
003-2482	4-0	Chromic Gut	DS18	27"	12	635G	FS2	-	C6	29.99	29.09
003-2494	4-0	Chromic Gut	DSM13	18"	12	1654G	P3	595B	C3	59.99	58.19
003-2498	4-0	Chromic Gut	T4	14"	12	-	-	589B	T4	30.99	30.06
003-2499	5-0	Chromic Gut	T28	14"	12	-	-	590B	T28	30.99	30.06
003-2502	5-0	Chromic Gut	DSM13	18"	12	-	-	1248B	C3	59.99	58.19
003-2487	3-0	Black Braided Silk	DS18	18"	12	2772	FS2	784B	C6	24.79	24.05
003-2488	3-0	Black Braided Silk	HS24	18"	12	632G	X1	785B	C31	22.49	21.82
003-2486	3-0	Black Braided Silk	HS16	18"	12	7762	X8	-	-	28.29	27.44
003-2491	3-0	Black Braided Silk	DS24	18"	12	684G	FS1	786B	C7	23.99	23.27
003-2489	4-0	Black Braided Silk	DS18	18"	12	683G	FS2	-	-	24.79	24.05
003-2492	4-0	Black Braided Silk	DSM13	18"	12	641G	P3	-	-	57.99	56.25
003-2479	5-0	Black Braided Silk	DSM13	18"	12	-	-	-	-	76.99	74.68
003-2500	5-0	Green Braided Poly.	HRT17	18"	12	7773	V5	797B	Y5	48.99	47.52
003-2460	5-0	Black Mono Nylon	DS12	10"	12	-	C2	913B	C17	34.49	33.46
003-2461	6-0	Black Mono Nylon	DS12	10"	12	-	C2	911B	C17	34.49	33.46
003-2501	5-0	Polyprop.Blue Mono.	DSM13	18"	12	8698G	P3	-	C3	74.29	72.06



## ACE Sutures



Number	Size	Description	Needle	In.	Qty	Price	ACE+Plus
<b>ACE PGA Sutures Equivalent to Vicryl<sup>®</sup>**</b>							
003-3930	3-0	Violet Braided PGA Coated	DS18	18"	12/box	\$ 42.99	<b>\$ 41.70</b>
003-3920	4-0	Violet Braided PGA Coated	DS18	18"	12/box	44.49	<b>43.16</b>
003-4640	4-0	Violet Braided PGA Coated	DSM13	18"	12/box	87.29	<b>84.67</b>
003-4630	5-0	Violet Braided PGA Coated	DSM13	18"	12/box	91.29	<b>88.55</b>
003-4220	4-0	Undyed Braided PGA Coated	DS18	27"	12/box	45.49	<b>44.13</b>
003-4960	4-0	Undyed Braided PGA Coated	DSM18	18"	12/box	79.99	<b>77.59</b>
003-0494	4-0	Undyed Braided PGA Coated	DSM13	18"	12/box	79.99	<b>77.59</b>
003-4930	5-0	Undyed Braided PGA Coated	DSM13	18"	12/box	91.29	<b>88.55</b>
003-0492	6-0	Undyed Braided PGA Coated	DSM13	18"	12/box	95.29	<b>92.43</b>
<b>ACE PGA-Rapid Absorbing* Sutures Equivalent to Vicryl Rapide<sup>®</sup>**</b>							
003-9907	3-0	Undyed Braided PGA-RA	DSM18	18"	12/box	106.49	<b>103.30</b>
003-9906	4-0	Undyed Braided PGA-RA	DSM18	18"	12/box	106.49	<b>103.30</b>
003-9900	4-0	Undyed Braided PGA-RA	HRT17	27"	12/box	108.79	<b>105.53</b>
003-9904	5-0	Undyed Braided PGA-RA	DSM13	18"	12/box	106.49	<b>103.30</b>
<b>ACE PTFE Sutures White monofilament</b>							
430-12-4020	2-0	PTFE Suture - 3/8 circle, 19mm - Reverse Cutting	FS2	18"	12/box	114.79	<b>111.35</b>
430-12-4030	3-0	PTFE Suture - 3/8 circle, 19mm - Reverse Cutting	FS2	18"	12/box	114.79	<b>111.35</b>
430-12-4031	3-0	PTFE Suture - 3/8 circle, 16mm - Reverse Cutting	FS3	18"	12/box	114.79	<b>111.35</b>
430-12-4032	3-0	PTFE Suture - 1/2 circle, 13mm - Reverse Cutting	M1	18"	12/box	114.79	<b>111.35</b>
430-12-4040	4-0	PTFE Suture - 3/8 circle, 16mm - Reverse Cutting	FS3	18"	12/box	114.79	<b>111.35</b>
430-12-4041	4-0	PTFE Suture - 3/8 circle, 13mm - Reverse Cutting	C2	18"	12/box	114.79	<b>111.35</b>
430-12-4042	4-0	PTFE Suture - 1/2 circle, 13mm - Round Diamond Point	TF	18"	12/box	122.79	<b>119.11</b>
430-12-4043	4-0	PTFE Suture - 3/8 circle, 19mm - Reverse Cutting	FS2	18"	12/box	114.79	<b>111.35</b>
430-12-4050	5-0	PTFE Suture - 1/2 circle, 17mm - Reverse Cutting	C19	18"	12/box	114.79	<b>111.35</b>
430-12-4051	5-0	PTFE Suture - 3/8 circle, 12mm - Reverse Cutting	C2	18"	12/box	114.79	<b>111.35</b>
430-12-4052	5-0	PTFE Suture - 1/2 circle, 13mm - Round Diamond Point	RB1	18"	12/box	122.79	<b>119.11</b>
430-12-4060	6-0	PTFE Suture - 3/8 circle, 11mm - Reverse Cutting	P1	18"	12/box	114.79	<b>111.35</b>
430-12-4061	6-0	PTFE Suture - 1/2 circle, 10mm - Round Diamond Point	TF	18"	12/box	122.79	<b>119.11</b>
430-12-4062	6-0	PTFE Suture - 3/8 circle, 10mm - Reverse Cutting	C2	18"	12/box	114.79	<b>111.35</b>

\* Maintains 50% tensile strength at 5 days; 0% at 14 days.

\*\* Vicryl<sup>®</sup> and Vicryl Rapide<sup>®</sup> are Registered Trademarks of Ethicon, Inc.

### Reverse Cutting Needles

#### 3/8 Circle

FS3



FS2



C2



P1



#### 1/2 Circle

M1



C19



### Round Diamond Needles

#### 1/2 Circle

TF



RB1



# A SMART PRACTICE FOR EVERY PRACTICE



## ACE+PLUS LOYALTY PROGRAM MEMBER BENEFITS



REDUCED PRICING  
SAVE UP TO 20%



PRIORITY PROCESSING  
& FREE GROUND SHIPPING



MEMBERS ONLY  
PROMOTIONS & EVENTS

ENROLL NOW.  
[acesurgical.com/aceplus](http://acesurgical.com/aceplus)

SAVE TIME AND  
MONEY LATER.

For over 50 years ACE Surgical has been supplying the highest-quality, trusted, dental surgical products to practices just like yours. The ACE+PLUS Program provides value through cost saving opportunities to help your practice prosper.

### Discount Percentages (%) Per Product Category

Dental Implants & Bone Grafting	15-20%
Surgical Instruments	10%
General Merchandise	3%
Ground Shipping*	FREE



\* Available for orders shipped within the Continental United States. Excludes heavy weight items (individual items weighing of 15 lbs. or more), and items that are drop shipped directly from their manufacturer.





# DOING MORE WITH ACE IN 2021

Last year, practices who enrolled in the ACE+PLUS Program, qualified for benefits by spending \$10,000 or more. Qualified members saved an average of \$5,600 each year through our valuable programs, special promotions, free shipping and members only discounts.

For complete program information and to enroll, visit our web site or call us today and start qualifying for ACE+PLUS savings.

**ACE+PLUS**  
LOYALTY PROGRAM

[www.acesurgical.com/aceplus](http://www.acesurgical.com/aceplus)  
or call **800-441-3100**



## Index

ACE+Plus Loyalty Program Details	94, 95	Periodontal Ligament Luxating Elevator Kit	68
alloOss® Allograft	1 - 3	Periotome Handle & Blades Kit	69
AlloGuide® GF Placental Membrane	14	PGA Sutures	93
Anchorage Control System	30	Platinum Foil	22
Antralplasty Elevator Kit	37	Probes, Depth	85
Articulater, Galetti	77	PTFE Membranes	20, 21
Atraumatic Extraction Kit, Hu-Friedy	66	PTFE Sutures	93
Autogenous Bone Collector	42 - 45	RCM® Resorbable Collagen Membrane	17
AutoGrafter Autogenous Bone Collector	44	Resorbable Collagen Foam	18
Barrier Membranes	14 - 22	Resorbable Collagen Membrane	14 - 17
Blade and Handles	86, 87	Resorbable Collagen Plug	18
Block Graft	3	Resorbable Collagen Tape	18
Bone Chisels	48, 73	Retractors	72
Bone Collector, Autogenous	42 - 45	Retractors, Chin Exposure	77
Bone Expanders	46 - 49	Ridge Augmentation Kit, Hu-Friedy	67
Bone Fixation System	26, 27	Ridge Expanding Chisels	48
Bone Harvesting Instruments	45	Ridge Expanding Screws	46
Bone Holding Forceps	73, 77	Rongeur, Kerrison	76
Bone Mill, Bone Crusher	45	Rulers	80, 81
Bone Scrapers	45	Sinus Lift Elevator Kit	37
Bone Screws, Self Drilling	27, 28	Sinus Lift Kit	36
Bone Spreader Osteotome	49	Sinus Lift Osteotomes	32 - 34
Bone Tacks	27, 28	Site Dilator Kit	33
Bone Trap	44	Socket Preservation Kit	19
Burs, Surgical	60, 61	Spatula Osteotomes	73
Burs, Trephines	40 - 43	Straight Handpieces	54, 55
Calipers	82 - 85	Stripper, Anterior Border	77
Cannulas, Irrigation	75	Suction Instruments	74, 75
CaSO <sub>4</sub> Calcium Sulfate	12	Surgi-Drill Accessories	58, 59
conFORM Resorbable Collagen Membrane	16	Surgi-Drill Hoses	58, 59
Connective Tissue Harvester	88	Surgi-Drill I Hall-Type Air Drill System	58
Contra-Angle Handpieces	52, 53	Surgi-Drill II Air Drill System	59
Crestal Sinus Lift Kit, Hu-Friedy	64	Surgical Blade Handles	86
Curettes	71, 76	Surgical Blades	87
Cutting, Forceps	78	Surgical Burs	60, 61
Cutting, Wire	78	Sutures	92, 93
Drill Guide Paralleling System	62	SynOss Synthetic Bone Graft	13
EasyRetrieve Two-Piece Trephines	42, 43	Syringes, Graft Delivery	70
Elcomed Surgery Unit	51	Tefguard® PTFE Membranes	20, 21
Elevators	36, 37	Tenting Screws	27
Exacta® Mouth Props	79	Tissue Adhesive, Glustitch PeriAcryl	23
Foil, Titanium and Platinum	22	Tissue Harvester	88
Forceps	76, 77	Tissue Punches	90, 91
Gauges	84, 85	Titanium Foil	22
Glustitch PeriAcryl Tissue Adhesive	23	Titanium Micro Mesh	24, 25
Graft Delivery Syringes	70	Titanium Reinforced PTFE Membranes	21
Graft-Membrane Placement Kit, Hu-Friedy	66	Tracing Paper	81
Grafting Instruments	76, 78	Trephine Burs	40 - 43
Hall Surgi-Drills	58, 59	TruFIX Fixation System	26
Handpiece Lubricants	56	TruSCREWS Bone Screws	27
Hu-Friedy® Surgical Kits	64 - 67	TruTACK and TruSCREW	27
Implant Instrument Kit	71	TruTACKS Bone Tacks	27
Implantmed Surgery Unit	50	Tutorial - Block Graft	4, 5
Irrigation Instruments	74, 75	Tutorial - Connective Tissue Harvesting	88, 89
Irrigation Tubing Sets	56	Tutorial - Grafting with Titanium Mesh	28, 29
Lateral Sinus Lift Kit, Hu-Friedy	65	Tutorial - Lateral Sinus Augmentation	38, 39
Mallets	49	Tutorial - Parallel Drilling	63
Measuring Instruments	80 - 85	Tutorial - Ridge Expanding Chisels	48
Membrane Fixation System	26	Tutorial - Ridge Expanding Screws	47
Membrane Punch	77	Tutorial - Sinus Lift Osteotomes	35
MemGuide Porcine Dental Membrane	15	Tutorial - TruFIX Fixation	28, 29
Mesh	22, 24, 25	Unigraft Knife, Tissue Harvester	88, 89
Mineralized Allograft	2, 3	VICRYL™ Knitted Mesh	22
Misch Ramus Graft Instrument Kit	72	W&H Contra-Angle Handpieces	52, 53
Misch Symphysis Graft Instrument Kit	73	W&H Osstell Beacon	57
Mouth Props, with X-Ray Indicators	79	W&H Replacement Motors	50, 51
NuOss® Xenograft	8 - 11	W&H Straight Handpieces	54, 55
Offset Sinus Lift Osteotomes	34	W&H Surgery Unit Accessories	56, 57
Orthodontic Bone Screws	31	W&H Surgery Units	50, 51
Osseo-Plates	25	Wire Cutters	78
Osteoecel Plus	6, 7	Wire Modeling Pliers	78

## Terms

### Placing An Order

Our Customer Experience Department is available weekdays from 8 am to 7 pm EST. Orders may be placed online, by telephone, faxed, emailed or mailed. Orders under \$30.00 will incur an additional \$5.00 handling charge.

ONLINE	<a href="http://acesurgical.com">acesurgical.com</a>
PHONE	800.441.3100
FAX	800.583.3150
E-MAIL	<a href="mailto:info@acesurgical.com">info@acesurgical.com</a>
MAILED	ACE Surgical Supply 1034 Pearl Street, Brockton, MA 02301

### Healthcare Professionals

Federal Law requires us to keep a current copy of your state license on file. If you intend on ordering Schedule II, Class III, Class IV and Class V controlled substances, we are required to keep a current copy of your DEA registration on file. Orders for Schedule II controlled substances should be placed on a DEA Form 222. With your initial order, please supply us with a copy of your state license and DEA registration, if applicable.

### Repair Department

ACE offers a complete repair department for repair, reconditioning, sharpening and recalibration. ACE repairs instruments, and equipment including Hall-Type drills, gauges, hoses, electric and air driven handpieces, sterilizers and more. Items sent to ACE for repair must be cleaned and sterilized, if applicable. For warranty repairs or replacement of defective items, please enclose a copy of the original invoice. Please note, shipping charges are not included as part of the warranty.

### Return Policy

We want you to feel completely satisfied with your purchase from ACE Surgical. If you are not satisfied with your purchase, please feel free to contact us at 800-441-3100 to obtain a Return Authorization Number (RAN). All returns must be shipped prepaid to be accepted by our Return Department. We cannot accept any returns after 90 days from invoice date. Sterile Solutions for Injection and Irrigation are Non Returnable. All returns must be in saleable condition; we cannot accept back any product that has been used, opened, written on or not in its saleable condition. Sterile products that have been opened cannot be returned. Unopened sterile products must be returned within 30 days. A 20% restocking fee will be applied to merchandise after the 30 day purchase period. Special order items or items that are noted "non-returnable" may not be returned. RX items must be returned within 30 days from invoice date and require a PDRA form. Please contact customer service to obtain form before returning RX products.

### Shipping Your Orders

Orders are generally shipped within 24 hours upon receipt and shipped via UPS. Shipping charges are based on method of shipment, weight and destination. Special shipping services are available upon request, at an additional charge. These include: UPS Next Day Air and UPS Second Day Air. We do not ship orders COD.

### Payment Terms

We accept all major credit cards. We do offer net terms and accept purchase orders upon credit approval. Credit terms are net 30 days from invoice date. Balance not paid within 30 days will accrue a monthly finance charge of 1.5%. Foreign orders are prepaid wire transfer only. Any insurance, duties or shipping charges are the responsibility of the customer.

### Pricing Policy

All prices are subject to change without notice. All prices are in U.S. Dollars. Prices do not include shipping and any taxes. Due to manufacturer and distributor pricing policies our prices are subject to change without notice. We are not responsible for typographical errors.

### Institutional Orders


Institutional orders must be faxed or mailed on an official purchase order. Please call for current pricing and item availability. All institutional orders are net 30 days and shipped complete unless otherwise specified on the purchase order. Shipping charges are FOB Brockton, MA.

### Damages / Shortages

Upon receipt of your shipment, inspect all cartons for any visible damage. If any parcel is visibly damaged, do not accept it. Immediately notify the carrier if there is any concealed damage. Retain all packing material and boxes. Claims for missing or damaged items must be reported within 48 hours of receipt of order. Before reporting missing items, check your packing slip to ensure the item(s) have not been backordered. Do not accept a shipment that is damaged or does not agree with the shipping receipt until the carrier endorses a statement of regularity on the face of the receipt.

### ACE Surgical Supply Co, Instrument Warranty

ACE instruments are guaranteed to be free from defects in workmanship and material. Any ACE instrument which proves defective in workmanship or material will either be repaired or replaced, at our discretion, without charge. ACE Surgical has a state-of-the-art repair department, repairing all surgical handpieces, bur guards and hoses, as well as performing instrument maintenance, re-tipping of carbide instruments and sharpening of scissors.



# infinity

Dental Implant Systems



infinity  
OCTAGON BLT

infinity  
OCTAGON BL

infinity  
OCTAGON TL

infinity  
INTERNAL HEX

infinity  
TRI-CAM

infinity  
EXTERNAL HEX



QUALITY, COMPATIBLE IMPLANTS. UNBEATABLE VALUE.

infinity Dental Implant Systems are built to respect the relationship between your practice and your referring dentists. Our system is backed by industry leading engineering, high quality manufacturing, and our superior customer service. Supported by a lifetime warranty, we are confident that infinity Dental Implant Systems can seamlessly fit into your practice.

To learn more, visit [www.infinitydentalimplant.com](http://www.infinitydentalimplant.com) or call to speak with one of our implant specialists at 800.441.3100.



# infinity

Dental Implant Systems

[www.infinitydentalimplant.com](http://www.infinitydentalimplant.com)





Order online: [acesurgical.com](http://acesurgical.com)

Call to order: **800.441.3100**

**ACE** ACE Surgical Supply Company, Inc.  
1034 Pearl Street, Brockton, MA 02301

Presort Standard  
U.S. Postage Paid  
Abington, MA  
PERMIT #47



# BONE GRAFTING & REGENERATIVE PRODUCTS CATALOG

# 2021