



2015 • 1st EDITION
SOUTHEAST ASIA CATALOG



BONE GRAFTING AND
REGENERATIVE PRODUCTS

www.acesurgical.com



LAY THE PROPER GROUNDWORK FOR A HEALTHY SMILE.

Xenografts – GBR/GTR Membranes
Surgical Dressings

Solid solutions for maintaining and promoting healthy bone. Backed by years of documented proven success, our products have been engineered to meet your specific surgical needs.

ACE
ACE Surgical Supply Co., Inc.



NuOss

Granules and Collagen Block



Resorbable Collagen MEMBRANE



Resorbable Collagen MEMBRANE



Resorbable Collagen PLUG - FOAM - TAPE

QUALITY POLICY.



ACCOUNTABILITY, COMMITMENT and EXCELLENCE is vital to the success of our business. ACE Surgical Supply is committed to building lasting relationships with our employees, customers, and business partners to deliver quality, innovative, timely products; as well as, knowledgeable service to our customers while improving the oral health of the public.

Everyone at ACE Surgical is committed to our customers. We will maintain the effectiveness of our product, processes, regulatory compliance and QM through active monitoring.

ACE Surgical complies with international quality standard ISO 13485:2003 Quality Management System and CE Directive for Medical Devices 93/42/EEC.

Please note not all products are registered or available in every country/region.



ACE Surgical Supply Co., Inc.

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Due to manufacturer and distributor pricing policies our prices are subject to change without notice.

We are not responsible for typographical errors.

JAW-DROPPING VALUE AND COMPATIBILITY.



Infinity Implants from ACE Surgical deliver a truly compatible dental implant solution at a price that makes sense for your practice. Discover the savings and outstanding quality across all of our implant lines. To learn more, visit our website www.acesurgical.com.



ACE Surgical Supply Co., Inc.

BONE REGENERATION

1

AlloOss®

2

NuOss®

3

NuOss® Collagen

4

CaSO4 Calcium Sulfate Hemihydrate

RCM6®

5

ConFORM

Foam, Tape, Plug

6



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PURE • PROVEN • PREDICTABLE



alloOss® MINERALIZED ALLOGRAFT (HUMAN BONE)

alloOss® Mineralized Allograft (Human Bone)
is offered in particulate and block as a safe, fast, and
effective solution for a predictable bone graft; obtained
in a defined process for optimal results.

- Combines natural collagen and minerals with the bony structure of allograft to promote new bone formation
- Provides scaffold for cell ingrowth and acts as a guide for rapid bone regeneration
- Particulate remodels to host bone within 4-6 months
- Block graft maintains strength and volume with rapid remodeling for a total approximate healing time of 5-6 months

ACE Allograft Products

alloOss allograft particulates and blocks combine natural collagen and minerals with the bony structure of allograft to promote new bone formation. The existence of these natural minerals and collagen facilitate remodeling of the host bone suitable for implantation. The complete line of alloOss products have been processed and sterilized to the highest standards set forth by both American Association of Tissue Banks (AATB) and FDA, providing one of the purest particulate and blocks available today.

Tissue Processing

alloOss allografts are obtained and processed in conjunction with the largest processors of cellular bone allografts in the USA. Tissues are processed aseptically and in accordance with AATB and FDA guidelines, as well as our own stringent policies and procedures.

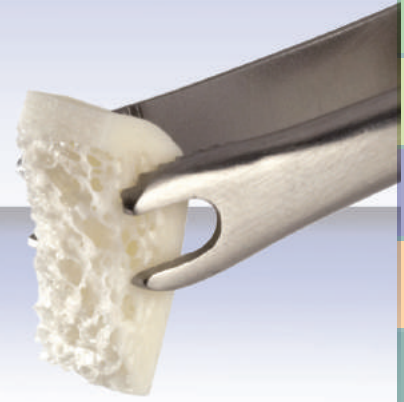
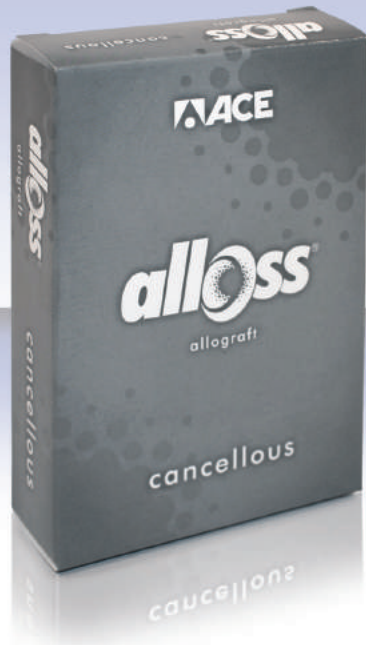
Allograft Packaging

All of our alloOss products are processed and shipped sterile in a secure validated package to assure safe transport and storage of all tissues. The labeling is designed for clear product identification and traceability.

Functional Quality Comparison
alloOss Cancellous and AlloOss Cortical

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

Reference Articles: Wang H, Misch C, Neiva R "Sandwich" Bone Augmentation Technique: Rationale and Report of Pilot Cases, Int J Periodontics Restorative Dent 2004; 74:233-245.
(Reprints available at ACE Surgical) Fitch RB et al. Compend Contin Education Pract Vet 1997; 19(5):558-578.



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alloOss® CANCELLOUS PARTICULATE

This cancellous particulate product has demonstrated exceptional results, from regeneration of periodontal defects to complete bone fill of extensive bone defects.

- Provides scaffold for cell ingrowth and acts as a guide for rapid bone regeneration
- Remodels to host bone after 4-6 months

Number	alloOss Description	Particle size	Volume
01-107-001	Cancellous Particulate	250-1000 mic.	0.5cc
01-107-002	Cancellous Particulate	250-1000 mic.	1.0cc
01-107-003	Cancellous Particulate	250-1000 mic.	2.0cc

Number	alloOss Description	Particle size	Volume
01-107-101	Cancellous Particulate	1000-2000 mic.	0.5cc
01-107-102	Cancellous Particulate	1000-2000 mic.	1.0cc
01-107-103	Cancellous Particulate	1000-2000 mic.	2.0cc

alloOss® CORTICAL PARTICULATE

AlloOss cortical particulate offers superior structural strength, which helps to maintain space and volume during the remodeling phase. Used alone or as a composite graft, ACE alloOss cortical particulate is an effective alternative to intraoral graft harvesting.

ACE alloOss cortical particulate is the safe, fast, and effective solution for predictable bone grafting results obtained in a defined process for optimal results.

- Provides scaffold for cell ingrowth and acts as a guide for rapid bone regeneration

Number	alloOss Description	Particle size	Volume
01-160-001	Cortical Particulate	250-1000 mic.	0.5cc
01-160-002	Cortical Particulate	250-1000 mic.	1.0cc
01-160-003	Cortical Particulate	250-1000 mic.	2.0cc

Number	alloOss Description	Particle size	Volume
01-160-101	Cortical Particulate	1000-2000 mic.	0.5cc
01-160-102	Cortical Particulate	1000-2000 mic.	1.0cc
01-160-103	Cortical Particulate	1000-2000 mic.	2.0cc

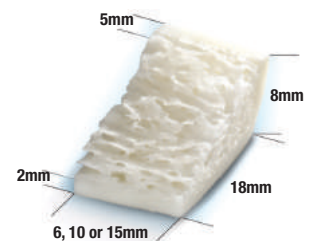
alloOss® CORTICO/CANCELLOUS PARTICULATE

The best of cortical and cancellous features for the ideal mixture.

- Provides scaffold for cell ingrowth and acts as a guide for rapid bone regeneration

Number	alloOss Description	Particle size	Volume
01-104-001	Cortico/Cancellous	250-1000 mic.	0.5cc
01-104-002	Cortico/Cancellous	250-1000 mic.	1.0cc
01-104-003	Cortico/Cancellous	250-1000 mic.	2.0cc

Number	alloOss Description	Particle size	Volume
01-104-101	Cortico/Cancellous	1000-2000 mic.	0.5cc
01-104-102	Cortico/Cancellous	1000-2000 mic.	1.0cc
01-104-103	Cortico/Cancellous	1000-2000 mic.	2.0cc



alloOss® BLOCK GRAFT

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

- Approximate healing in 5-6 months
- Maintains strength and volume with rapid remodeling
- A cancellous component for rapid healing and revascularization of the graft
- Cortical component for strength and rigidity of the graft with volume enhancement

Number	alloOss Description	Block size
01-241-006	Block Allograft, (less prep time needed)	18 x 6 x 8mm
01-241-010	Block Allograft	18 x 10 x 8mm
01-241-015	Block Allograft	18 x 15 x 8mm



cancellous and cortical granules

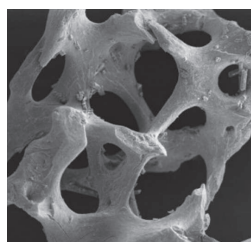


- Natural anorganic bovine bone matrix; available in cancellous and cortical granules
- Physically and chemically comparable to the mineral matrix of human bone
- One of the most reliable bone substitutes used by dental professionals
- NuOss® cancellous granules also available in a preloaded delivery syringe (see next page)

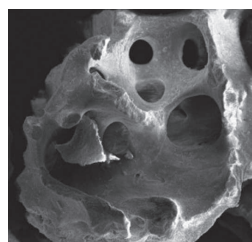
NuOss® natural cancellous (spongiosa) and cortical bone matrix is produced by the removal of organic components from bovine bone. Due to its natural porous structure, NuOss is physically and chemically comparable to the mineralized matrix of human bone.

The proprietary manufacturing process of NuOss allows for maintenance of the naturally occurring bone mineral structure, including macro and micro structures. Due to this trabecular architecture with interconnecting macro and micro pores, the ingrowth of new bone and associated vascularization at the site of grafting 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® 50x magnification



Bio-Oss® 50x magnification

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

NuOss is manufactured by Collagen Matrix, Inc; Oakland, NJ USA and Distributed by ACE Surgical Supply CO

NUOSS® GRANULES

NuOss—A natural, porous bone mineral matrix, produced by the removal of all organic components from bovine bone. Due to its natural structure, NuOss is physically and chemically comparable to the mineralized matrix of human bone.

Typical Uses:

- Augmentation of the alveolar ridge.
- Filling of intrabony periodontal defects.
- Filling of extraction sockets.
- For use in elevating the maxillary sinus floor.
- Filling of peri-implant defects in conjunction with products intended for Guided Bone Regeneration (GBR).

Cancellous Granules

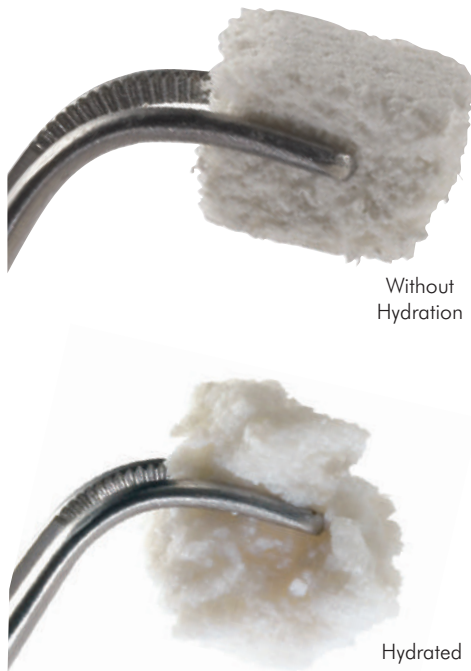
Number	Description	Particle Size	Vial Volume
509-9001	NuOss Cancellous Granules	250-1000 mic.	.25gram / 0.6cc
509-9002	NuOss Cancellous Granules	250-1000 mic.	.5gram / 1.2cc
509-9003	NuOss Cancellous Granules	250-1000 mic.	1.0gram / 2.4cc
509-9004	NuOss Cancellous Granules	250-1000 mic.	2.0gram / 4.7cc

Large Particle Cancellous Granules

509-9102	NuOss Cancellous Granules	1000-2000 mic.	.5gram / 1.7cc
509-9104	NuOss Cancellous Granules	1000-2000 mic.	2.0gram / 6.8cc

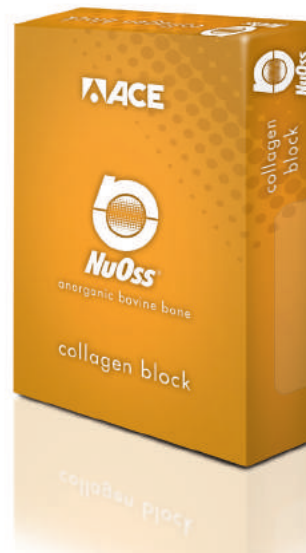
Cortical Granules

509-1001	NuOss Cortical Granules	500-1000 mic.	.25gram / 0.4cc
509-1002	NuOss Cortical Granules	500-1000 mic.	.5gram / 0.8cc
509-1003	NuOss Cortical Granules	500-1000 mic.	1.0gram / 1.6cc
509-1004	NuOss Cortical Granules	500-1000 mic.	2.0gram / 3.2cc



Without Hydration

Hydrated



NUOSS® COLLAGEN

Just like NuOss® granules, naturally structured NuOss Collagen Blocks combine 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 Blocks there is no mixing or loose handling, which minimize loose bone graft particles from migrating out of the defect.

NuOss Collagen is recommended for:

- Filling of extraction sockets
- Filling of periodontal defects
- Filling of peri-implant defects
- Augmentation of alveolar ridge

Number	Description	Block Size	Vial Volume
509-9100	NuOss Collagen Block	6x7x8	(100mg approx.)
509-9250	NuOss Collagen Block	8x9x9	(250mg approx.)
509-9500	NuOss Collagen Block	10x11x12	(500mg approx.)

NuOss is manufactured by Collagen Matrix, Inc.; Oakland, NJ USA and Distributed by ACE Surgical Supply CO

CaSO₄ CALCIUM SULFATE HEMIHYDRATE

- Osteoconductive and inhibits non-osteogenic cells
- Promotes wound healing
- Easy to set-up, easy to handle and easy to place
- Combines well with ACE bone grafting particulate

CaSO₄ is one of the first bone materials ever used and has a safety record dating back more than 100 years, therefore it 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. CaSO₄ is totally resorbed at the completion of the healing period.

CaSO₄ Features

- Inhibits non-osteogenic cells
- Osteoconductive
- Promotes wound healing
- Completely resorbable
- Easy to place
- Easy to handle
- Easy to set-up
- Cost effective

CaSO₄ is recommended for:

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

CaSO₄ Kit Contents

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

CaSO₄ works great when combined with other ACE grafting materials.

NuOss • AlloOss • Demineralized Bone

505-2001	CaSO ₄ Kit	1-Gram
505-2002	CaSO ₄ Kit	.5 Gram

CaSO₄
calcium sulfate hemihydrate



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conFORM

Resorbable Collagen MEMBRANE

ACE 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 any surgical defect and maintain a high tensile strength, which makes it the ideal membrane for suturing.

conFORM is intended for use in oral surgical procedures as a resorbable material to aid in wound healing and bone regeneration in the areas of: dental implants, bone defects, periodontal defects and ridge augmentations. With its *in vivo* stability, permeability and mechanical strength, conFORM is a reliable choice for enhancing clinical results. conFORM is packaged sterile, non-pyrogenic, and for single use. 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.



Features

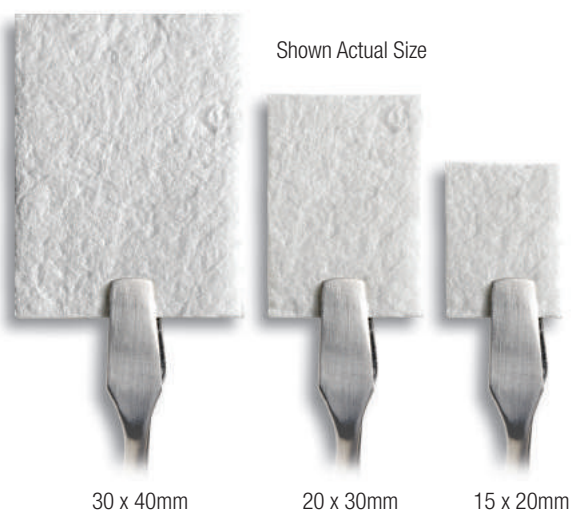
- White, non-friable membrane matrix engineered from highly purified Type I Collagen
- Fully resorbable with a predictable resorption time (up to 3-4 months)
- Guides healing and regeneration of bone and surrounding tissue
- Unique fiber orientation provides high tensile strength for *in situ* stability 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

Typical Uses

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



conFORM RESORBABLE COLLAGEN MEMBRANE

509-1520	conFORM Resorbable Collagen Membrane 15 x 20mm
509-2030	conFORM Resorbable Collagen Membrane 20 x 30mm
509-3040	conFORM Resorbable Collagen Membrane 30 x 40mm

conFORM is manufactured by Collagen Matrix, Inc., Oakland, NJ USA and Distributed by ACE Surgical Supply CO

LONGER RESORPTION

FOR SUSTAINED BONE REPAIR.

ACE RCM⁶® Resorbable Collagen Membrane allows you to guide healing and regeneration of bone and surrounding tissue within your time frame. RCM⁶ 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, RCM⁶ can help mitigate the migration of the particulate from the surgical site. RCM⁶ is packaged sterile, non-pyrogenic, and for single use. Its resorbability eliminates the need for surgical removal.

Features

- White, non-friable membrane matrix engineered from highly purified Type I Collagen
- Fully resorbable with a sustained resorption time (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

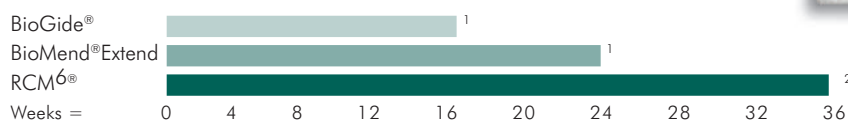
Advantages

- Longer resorption time, for sustained function in bone repair
- Higher 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

Typical Uses

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

Resorption Comparison *

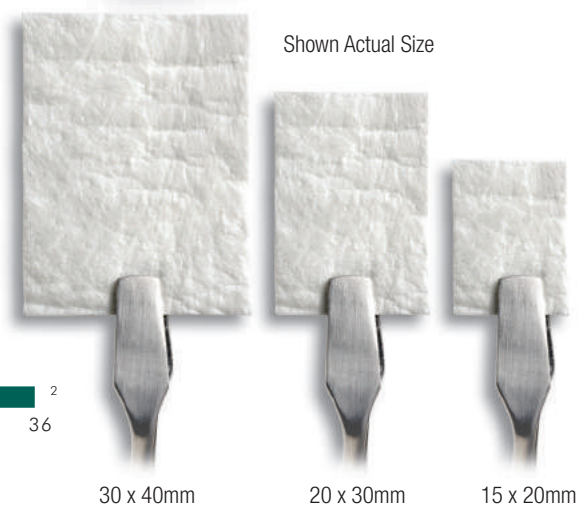


* Approximate *in vivo* resorption time.

¹ Reported from the product's Instructions for Use.

² Data on file with ACE Surgical Supply Co, Inc.

RCM⁶®
Resorbable Collagen MEMBRANE



30 x 40mm

20 x 30mm

15 x 20mm

RCM⁶ RESORBABLE COLLAGEN MEMBRANE

509-6000	RCM ⁶ Resorbable Collagen Membrane	15 x 20mm
509-3000	RCM ⁶ Resorbable Collagen Membrane	20 x 30mm
509-8000	RCM ⁶ Resorbable Collagen Membrane	30 x 40mm

RCM⁶ is manufactured by Collagen Matrix, Inc.; Oakland, NJ USA and Distributed by ACE Surgical Supply CO.

BioGide® is a registered trademark of Geistlich, Wolhusen, Switzerland.

BioMend® and BioMend® Extend™ are registered trademarks of Zimmer Dental, Carlsbad, CA

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THE RIGHT CHOICE FOR HEALING



RCP RESORBABLE COLLAGEN PLUG

Benefits

- Fully absorbable
- Ideal for applications in minor oral wounds
- Ideal for extraction sockets
- Protects the oral wound bed
- Controls minor bleeding
- Aids in wound healing



A 509-4000 RCP - 1cm x 2cm, Sterile 10/box

RCF RESORBABLE COLLAGEN FOAM

Benefits

- Provides an excellent matrix to assist in wound healing
- Fully absorbable
- Establishes a matrix for tissue ingrowth
- Protects the oral wound bed
- Controls minor bleeding
- Aids in wound healing



B 509-2000 RCF - 2cm x 4cm, 3mm thick, Sterile 10/box

RCT RESORBABLE COLLAGEN TAPE

Benefits

- Ideal for applications in minor oral wounds
- Aids in the repair of the Schneiderian Membrane
- Protects the oral wound bed
- Controls minor bleeding
- Aids in wound healing



C 509-1000 RCT - 2.5cm x 7.5cm, 1mm thick, Sterile 10/box



THE ACE SOCKET PRESERVATION KIT

The ACE Socket Preservation Kit is the perfect tool for your single tooth extractions. This kit is designed to make socket preservation convenient and successful each and every time.

Contents

- 1 - 0.5 gram NuOss™ Cancellous Granules
- 1 - RCP™ Resorbable Collagen Plug
- 1 - conFORM™ 15 x 20mm Resorbable Collagen Membrane
- 1 - 3-0 Violet Braided PGA Suture, DS18 Needle

003-4227 ACE Socket Preservation Kit SINGLE-USE/box

Instruments holding the products shown are not included in this kit.

Resorbable Collagen Plug, Resorbable Collagen Foam and Resorbable Collagen Tape are manufactured by Collagen Matrix, Inc; Oakland, NJ USA and Distributed by ACE Surgical Supply CO

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BONE AND MEMBRANE FIXATION

2

truFIX System

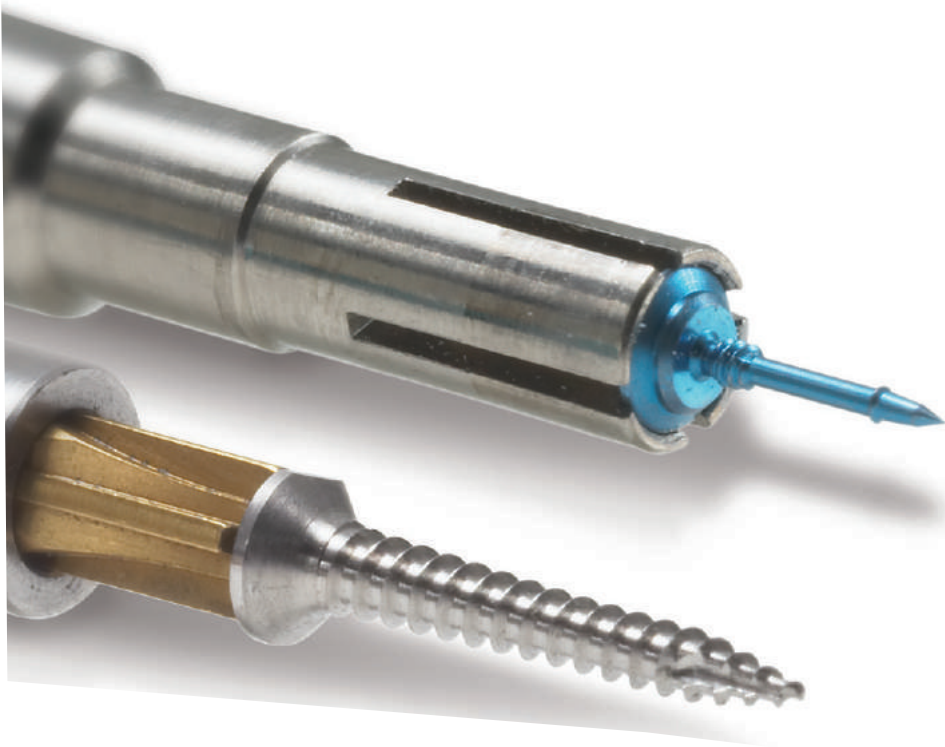
3

Titanium Mesh

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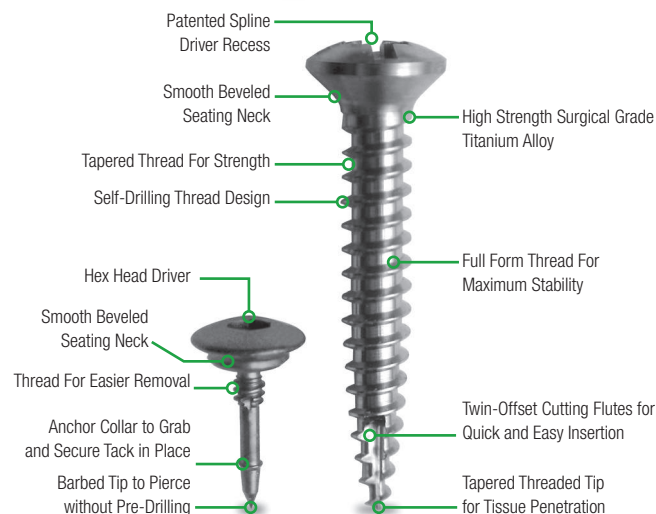
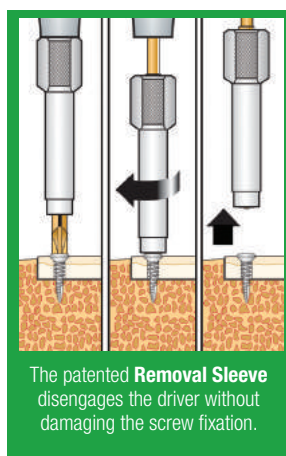
truFIX™ COMPLETE FIXATION SYSTEM

- You Choose the sterile Screws and Tacks.
- True Centered Patented Locking Connection.
- True Axial Alignment with Pickup Each Time.
- True Self-Drilling Screw.
- Patented Removal Sleeve for Disengaging the Screw From the Driver.

454-18015 truFIX™ Complete Fixation System Kit

System Includes:

454-19001	truFIX Driver Handle
454-17001	truTACK Driver Tip
454-15201	truSCREW Driver Tip, Contra-Angle
454-15001	truSCREW Driver Tip
454-17901	truSCREW Driver Removal Sleeve
50-27-00045	Pilot Bur, 0.45mm, 27mm Length, Contra-Angle
454-281001	Step Drill (Lag Screw), .8mm, 1.6mm Steps, Contra-Angle
454-40201	1.1mm Pilot Twist Drill, 23.6mm
454-40202	1.1mm Pilot Twist Drill, 29.8mm
454-50201	truSCREW Packaging Removal Tool
20-1577-02	0.88mm External Hex Hand Driver
454-18501	truFIX Tray



truSCREWS AND truTACKS

- Packaged Sterile

		Head Diameter	Thread Diameter	Total Length	Items per/pkg
truTACK™					
96-003-13	truTACK	2.5HD	-	3.0TL	10/pkg
96-003-14	truTACK	2.5HD	-	5.0TL	10/pkg

truSCREW™ 1.2 Thread Diameter

454-27202	truSCREW	3HD	1.2TD x 4.5TL	5/pkg
454-27203	truSCREW	3HD	1.2TD x 6.0TL	5/pkg
454-27204	truSCREW	3HD	1.2TD x 7.5TL	5/pkg
454-27205	truSCREW	3HD	1.2TD x 9.0TL	5/pkg
454-27206	truSCREW	3HD	1.2TD x 10.5TL	5/pkg

truSCREW™ 1.5 Thread Diameter

454-27502	truSCREW	3HD	1.5TD x 6.0TL	5/pkg
454-27503	truSCREW	3HD	1.5TD x 7.5TL	5/pkg
454-27504	truSCREW	3HD	1.5TD x 9.0TL	5/pkg
454-27505	truSCREW	3HD	1.5TD x 10.5TL	5/pkg
454-27506	truSCREW	3HD	1.5TD x 12.0TL	5/pkg
454-27507	truSCREW	3HD	1.5TD x 13.5TL	5/pkg
454-27508	truSCREW	3HD	1.5TD x 15.0TL	5/pkg

truSCREW™ 2.0 Thread Diameter

454-28002	truSCREW	3HD	2.0TD x 6.0TL	5/pkg
454-28003	truSCREW	3HD	2.0TD x 7.5TL	5/pkg
454-28004	truSCREW	3HD	2.0TD x 9.0TL	5/pkg
454-28005	truSCREW	3HD	2.0TD x 10.5TL	5/pkg
454-28006	truSCREW	3HD	2.0TD x 12.0TL	5/pkg
454-28007	truSCREW	3HD	2.0TD x 13.5TL	5/pkg
454-28008	truSCREW	3HD	2.0TD x 15.0TL	5/pkg

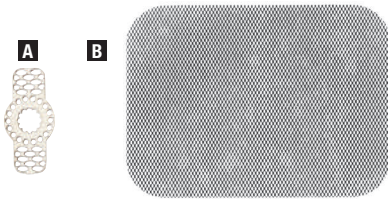
TENTING SCREW 1.5 Thread Diameter

454-29501	Tenting Screw	4HD	1.5TD x 7.0TL	1 each
454-29502	Tenting Screw	4HD	1.5TD x 11.0TL	1 each
454-29503	Tenting Screw	4HD	1.5TD x 15.0TL	1 each

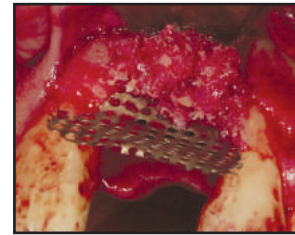
TENTING SCREW 2.3 Thread Diameter

454-26502	Tenting Screw	4HD	2.3TD x 11.0TL	1 each
454-26503	Tenting Screw	4HD	2.3TD x 15.0TL	1 each

A B C D Titanium Mesh is shown actual size.

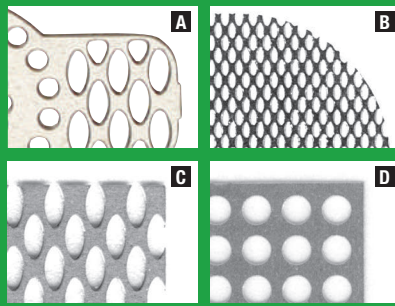


The tight mesh of **B** is designed to stretch, like a screen, to allow the placement of a 1.5mm screw without it tearing.



Titanium Mesh **D** being used to secure graft material.

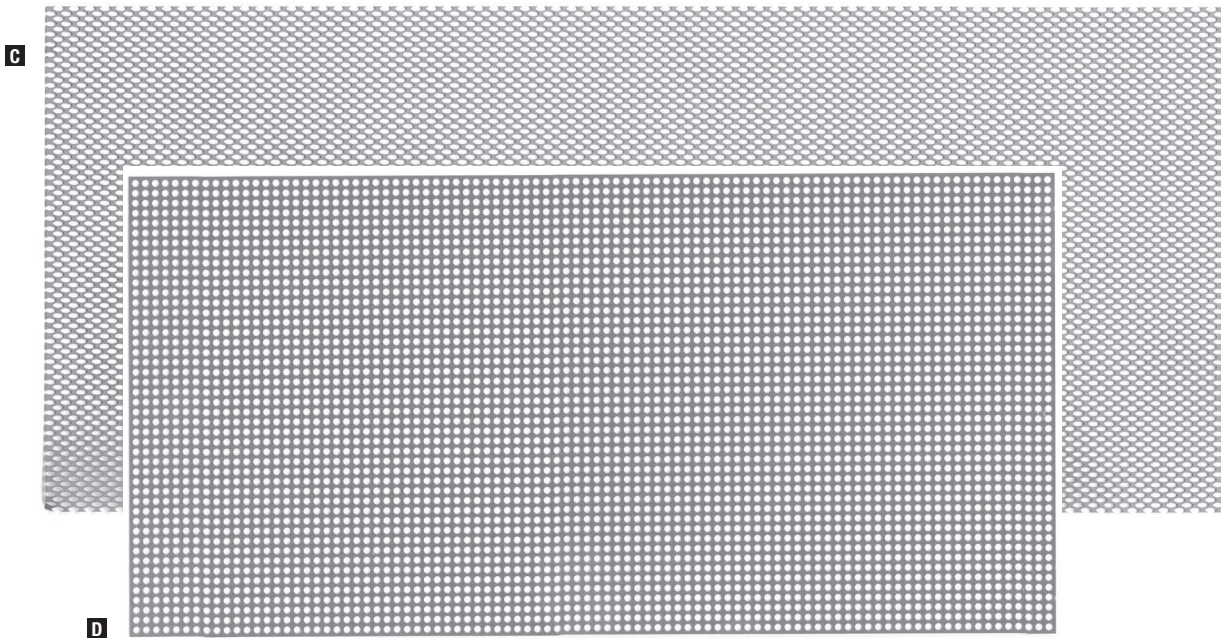
Titanium Micro Mesh Magnified 400%



TITANIUM AUGMENTATION MICRO MESH

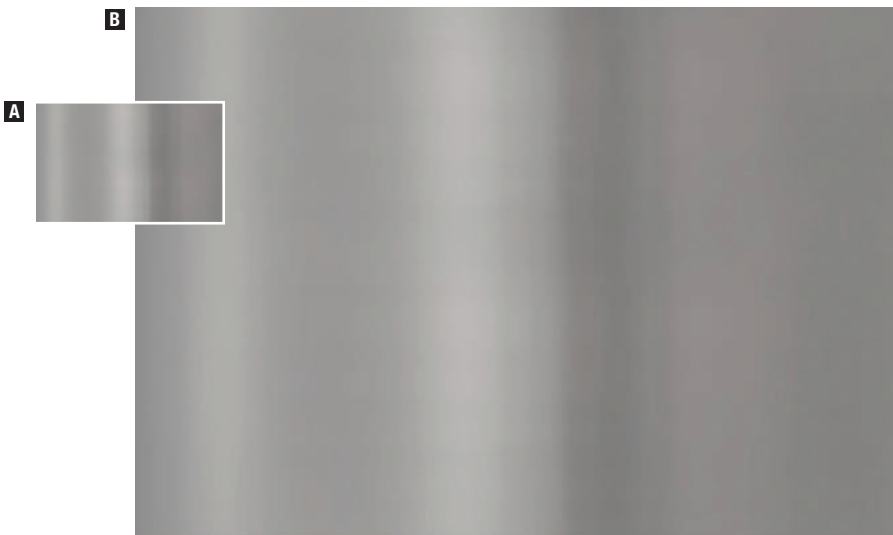
- 12 point center hole locks on top of standard implant hexagon.
- 12 Point center hole locks to ACE drill point tenting screws.
- Can be secured with ACE self-drilling bone screws.
- Commercially pure titanium, perforated, nonsterile.

A	003-9434	7 x 14mm	.2mm thick
B	003-9429	Titanium Micro Mesh, 34 x 25mm	.1mm thick
C	003-9433	Titanium Micro Mesh, 152 x 66mm	.2mm thick
D	003-9430	Titanium Micro Mesh, 120 x 60mm	.1mm thick



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A B Foils are shown actual size.



TITANIUM FOIL

- Nonperforated

A	003-9435	Titanium Foil, 16 x 25mm, Sterile	1/pkg
B	003-9436	Titanium Foil, 76 x 100mm, Sterile	1/pkg



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BONE GRAFTING INSTRUMENTS

3

Sinus Lift Kit

4

Sinus Lift Osteotomes

Site Dilators

5

Offset Osteotomes

Ridge Expanding Kit

6

Ridge Chisels

Bone Spreader Osteotomes

Bone Harvesting

Graft Delivery Syringes

Bone Instruments



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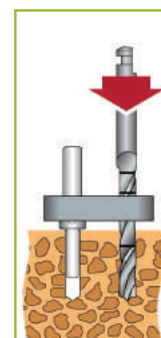
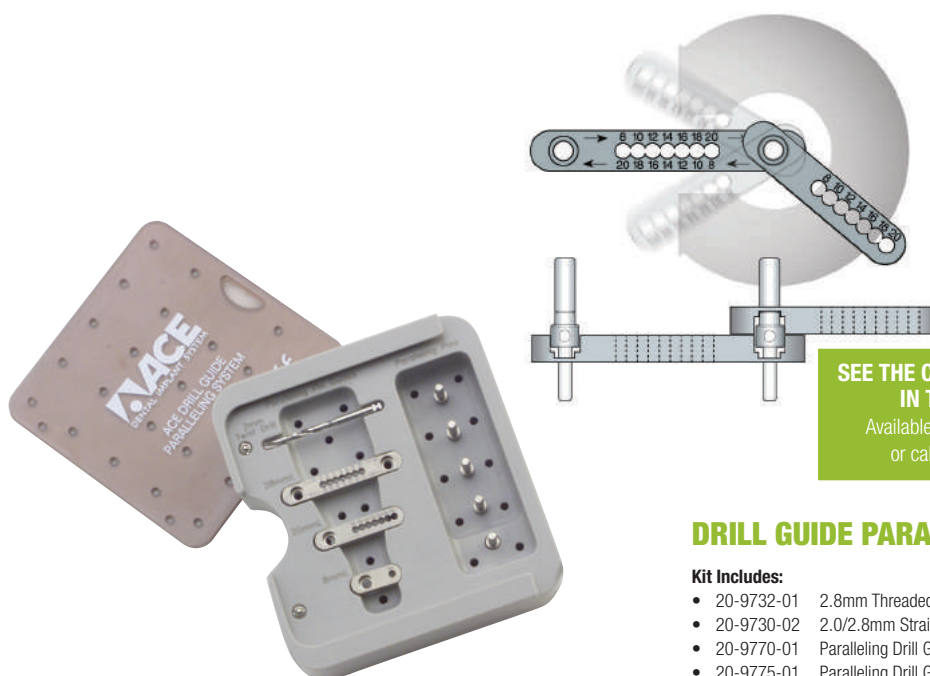
SINUS LIFT KIT

Kit Includes:

- 03-110-88 Shepherd Sinus Lift Retractor
- 03-110-23 Freer Periosteal Elevator-Strong Curve
- 03-110-77 Clepper Tatum Antralplasty Elevator
- 10-002-36 Sinus Lift Curette-Standard Bend, 3mm/5mm
- 10-002-37 Sinus Lift Curette-Severe Bend, 3mm/5mm
- 714-0243 Depth Packing Gauge (Titanium), DE
- 765-1050 Tray

Tray Included. All instruments may be purchased separately

003-4194 Sinus Lift Kit (Set of 6 with tray)



SEE THE COMPLETE PARALLEL DRILLING TUTORIAL IN THE ACE BONE GRAFTING CATALOG

Available now, download at "acesurgical.com/resources"
or call ACE Surgical and we'll send you one today.

DRILL GUIDE PARALLELING SYSTEM COMPLETE KIT

Kit Includes:

- 20-9732-01 2.8mm Threaded Paralleling Pin
- 20-9730-02 2.0/2.8mm Straight Paralleling Pins (4)
- 20-9770-01 Paralleling Drill Guide, 8mm
- 20-9775-01 Paralleling Drill Guide, 20mm
- 20-9778-01 Paralleling Drill Guide, 28mm
- 12-37-0020 2mm Twist Drill
- 765-1030 Autoclavable Tray

20-9730-00 Drill Guide Paralleling System Kit

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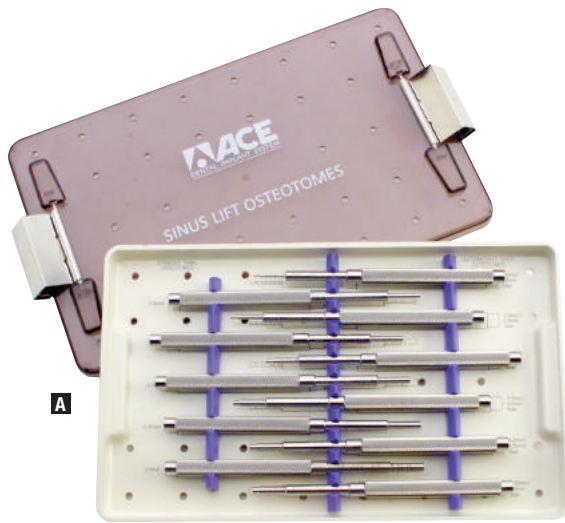
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A

SINUS LIFT OSTEOTOME KIT

- All osteotomes are 6", 15cm
- All osteotomes and tray may be purchased separately.

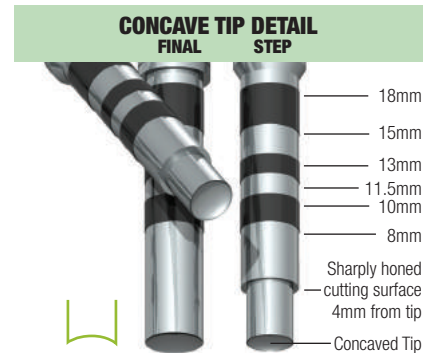
Kit Includes:

Sinus Lift Osteotomes Step

- 454-5001 1.6 mm/2.0 mm Step
- 454-5101 2.0 mm/2.8 mm Step
- 454-5201 2.8 mm/3.3 mm Step
- 454-6001 3.3 mm/4.0 mm Step
- 454-6101 4.0 mm/4.35 mm Step
- 454-6301 4.35 mm/5.0 mm Step

Sinus Lift Osteotomes Final

- 454-5701 2.8 mm Final
- 454-5301 3.3 mm Final
- 454-5401 4.0 mm Final
- 454-6201 4.35 mm Final
- 454-6401 5.0 mm Final
- 765-1060 Autoclavable Tray



A 454-5000 Sinus Lift Osteotome Kit (Set of 11 with tray)

Also Available, Not Included in the Kit

454-6701 Sinus Lift Osteotome, 5.0 mm/5.4 mm Step

454-6801 Sinus Lift Osteotome, 5.4 mm Final



B

SITE DILATOR KIT

- All dilators are 6", 15cm
- All dilators and tray may be purchased separately.

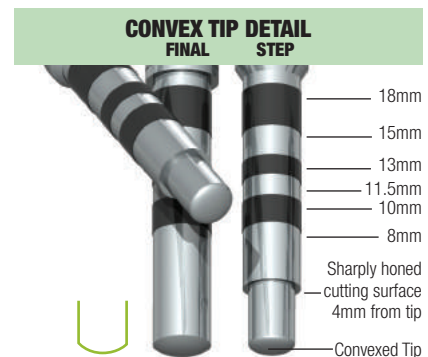
Kit Includes:

Site Dilating Osteotomes Step

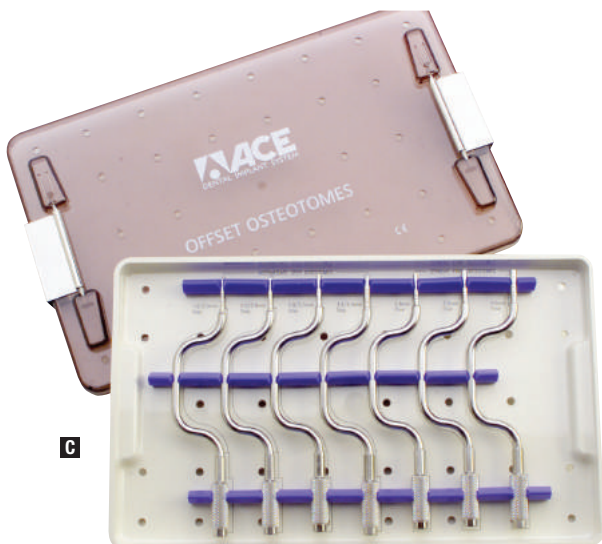
- 454-3001 1.6 mm/2.0 mm Step
- 454-3101 2.0 mm/2.8 mm Step
- 454-3201 2.8 mm/3.3 mm Step
- 454-4001 3.3 mm/4.0 mm Step
- 454-4101 4.0 mm/4.35 mm Step
- 454-4301 4.35 mm/5.0 mm Step

Site Dilating Osteotomes Final

- 454-3701 2.8 mm Final
- 454-3301 3.3 mm Final
- 454-3401 4.0 mm Final
- 454-4201 4.35 mm Final
- 454-4401 5.0 mm Final
- 765-1055 Autoclavable Tray



B 454-3000 Site Dilator Kit (Set of 11 dilators with tray)



C

OFFSET OSTEOTOME KIT

- All osteotomes are 6", 15cm
- All osteotomes and tray may be purchased separately.
- Concave Tip Design - See Above Detail

Kit Includes:

Sinus Lift Osteotomes Step

- 454-2001 1.6 mm/2.0 mm Step
- 454-2101 2.0 mm/2.8 mm Step
- 454-2201 2.8 mm/3.3 mm Step
- 454-2301 3.3 mm/4.0 mm Step

Sinus Lift Osteotomes Final

- 454-2401 2.8 mm Final
- 454-2601 3.3 mm Final
- 454-2801 4.0 mm Final
- 765-1080 Autoclavable Tray

C 454-2000 Offset Osteotome Kit (Set of 7 osteotomes with tray)

Also Available, Not Included in the Kit

454-2501 Offset Sinus Lift Osteotome, 4.0 mm/4.35 mm Step

454-7101 Offset Sinus Lift Osteotome, 4.35 mm/5.0 mm Step

454-2901 Offset Sinus Lift Osteotome, 4.35 mm Final

454-7201 Offset Sinus Lift Osteotome, 5.0 mm Final

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RIDGE EXPANDING KIT

- Discover a safe, controllable way to widen a thin questionable 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.

055-60000 Ridge Expanding Kit (Set of 4 with surgical kit)

Kit Components Individually:

055-60201 2.5mm Bone Expander

055-60301 3.1mm Bone Expander

055-60401 3.6mm Bone Expander

055-60501 4.3mm Bone Expander

04-9734-01 Connection Driver Tool (Hex), for CA Handpiece

96-002-28 Universal Ratchet

20-1558-11 Driver Extender (Hex)

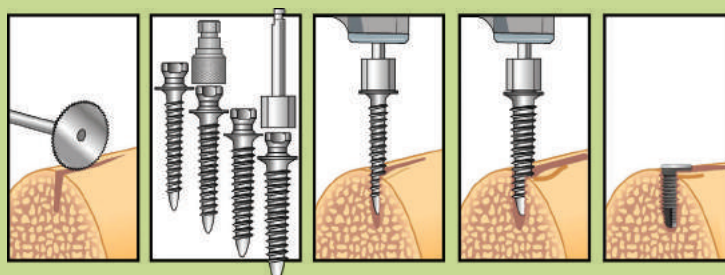
96-004-49 Square Titanium Bowl

20-1950-12 Autoclavable Tray



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 advance expands the alveolar bone without raising a complete flap, allowing an implant to be placed with minimal ridge splitting.



RIDGE EXPANDING CHISEL KIT

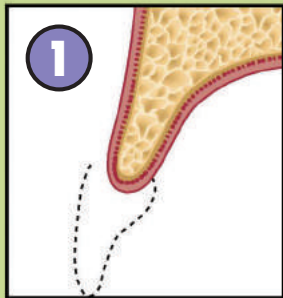
- All Ridge Expanding Chisels are 6", 15cm
- All chisels and tray may be purchased separately.

Kit Includes:

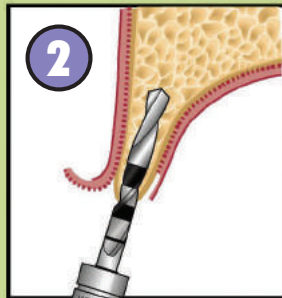
- 454-4701 3.0 mm Ridge Chisel
- 454-4801 4.0 mm Ridge Chisel
- 454-4901 5.0 mm Ridge Chisel
- 454-4501 9.5 mm Ridge Chisel
- 765-1090 Tray
- 454-1501 Chisel Handle (Uses 1.25mm Hex Driver)

454-4700 Ridge Expanding Chisel Kit (Set of 4 w/tray and handle)

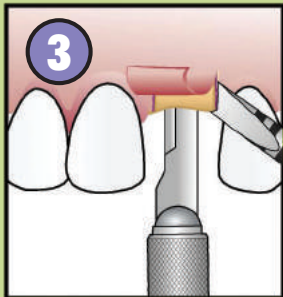
TUTORIAL SINGLE STAGE RIDGE SPLIT



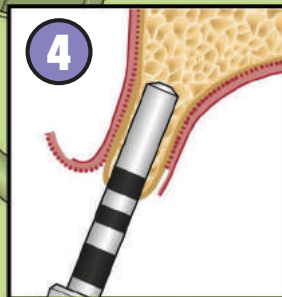
Thin anterior maxillary ridge requiring expansion.



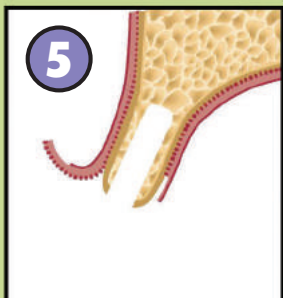
Pilot drill introduced to mark implant site.



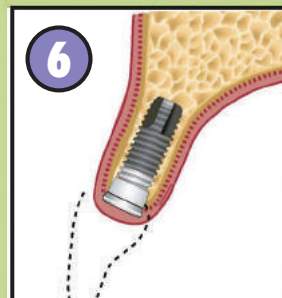
Vertical osteotomy cuts performed with ridge expanding chisel through the buccal cortex in an oblique fashion followed by horizontal osteotomy at ridge crest. Initial crest osteotomy can also be started with an ACE Mini Blade (786-6400).



Ridge expansion technique used to complete implant site.



Complete implant osteotomy site.



Implant in place; labial ridge preserved.



REFERENCE ARTICLE: PALTÍ A. RIDGE SPLITTING AND IMPLANT TECHNIQUES FOR THE ANTERIOR MAXILLA. DENTAL IMPLANTOLOGY UPDATE 2003; VOLUME 14, NUMBER 4.

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BONE SPREADER OSTEOTOME KIT

- Single end handle can be tapped with a mallet.
- Markings at 13mm, 16mm and 19mm.
- D-contoured tips to avoid fracturing weaker bone wall.
- Instruments and tray are Stainless Steel.

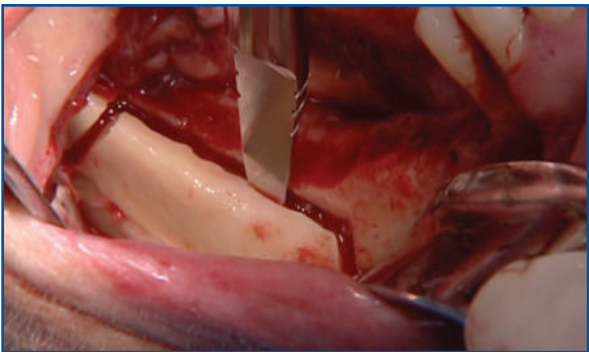
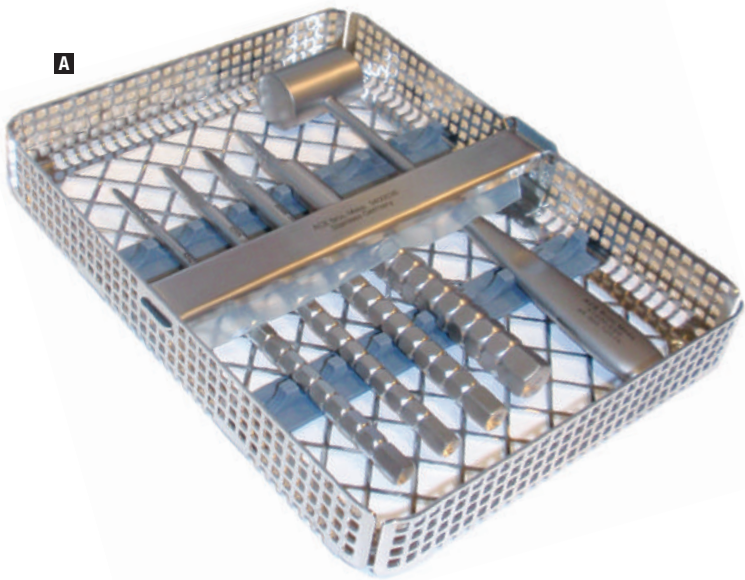
A 454-2106 Osteotome Bone Spreaders for Bone Grafting with mallet and tray

Osteotomes and Accessories available separately

B	454-2102	Osteotome Bone Expander	4.3mm 27mm Scoop
C	454-2103	Osteotome Bone Expander	5.45mm 26mm Scoop
D	454-2104	Osteotome Bone Expander	7.5mm 26mm Scoop
E	454-2105	Osteotome Bone Expander	10.0mm 27mm Scoop
	64-003-12S	Surgical Mallet, Stainless Steel (shown in kit)	6-1/2" (16.5cm)
	9400036	Instrument Tray with supports and 1 retainer	175 x 140 x 24mm



Especially designed for taking Chin and Ramus monocortical block grafts.



In Use: Here 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.

REUSABLE BONE SCRAPERS

Bone Scraper, Straight

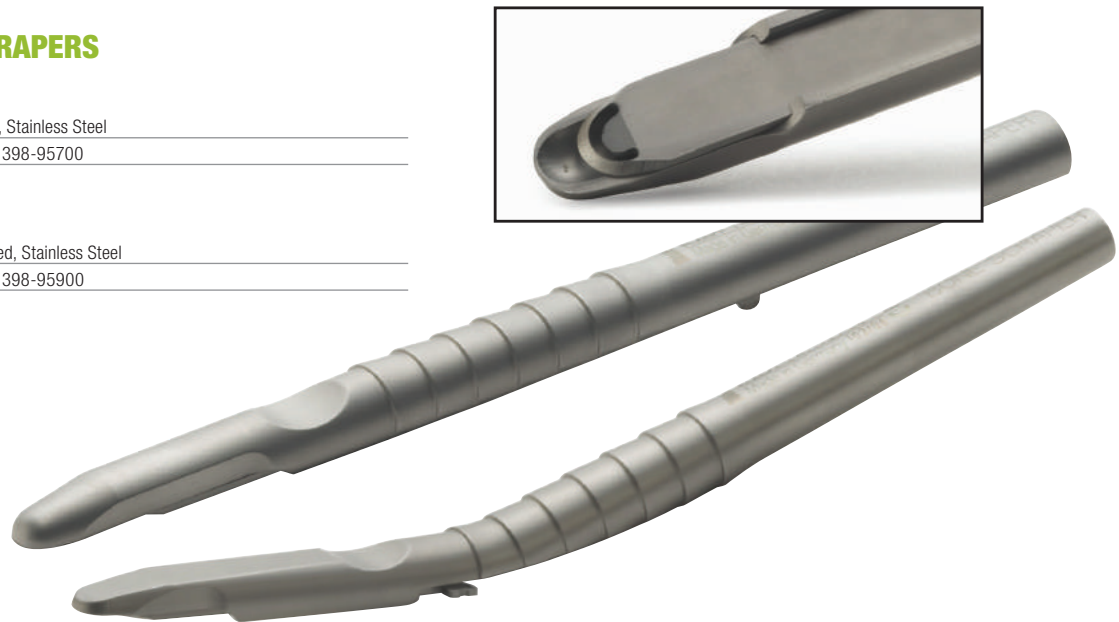
398-95700 Bone Scraper, Straight, Stainless Steel

398-95701 Replacement Blade for 398-95700

Bone Scraper, Angulated

398-95900 Bone Scraper, Angulated, Stainless Steel

398-95901 Replacement Blade for 398-95900



ACE BONE MILL

- High quality Bone Mill specifically developed for use in dental implantology.
- The Bone Mill is used for easy & fast grinding of autologous cortical bone material.
- Particle size depends upon rotation and pressure. Slower rotation & more pressure on the cap leads to bigger bone particles.
- Bone can be used for bone augmentation & reconstruction of bone defects.
- All parts can be steam sterilized at 135°C.

68-82-75 ACE Bone Mill



BONE CRUSHER

This 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

96-000-50 Bone Crusher



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GRAFT DELIVERY SYRINGES

- With Funnels
- Stainless Steel

98-000-35	3.5mm Opening, Stainless Steel	Curved
96-003-50	3.5mm Opening, Titanium	Curved
98-000-45	4.5mm Opening, Stainless Steel	Curved
A 96-000-45	4.5mm Opening, Titanium	Curved
B 96-000-25	5.0mm Opening, Stainless Steel	Straight
98-000-60	6.0mm Opening, Stainless Steel	Curved
96-000-60	6.0mm Opening, Titanium	Curved

MEMBRANE PUNCH

C 96-003-03	Membrane Punch, Stainless Steel	3" (7.5cm)
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GRAFTING INSTRUMENTS

Bone Graft Holding Forceps

96-000-26	Bone Graft Holding Forceps	8" (20cm)
D 96-000-27	Bone Graft Holding Forceps	6" (15cm)

Kuehne Membrane Holding Forceps

E 96-003-22	Kuehne Membrane Holding, Angled	w/o Lock
F 96-003-24	Kuehne Membrane Holding, Straight	w/Lock

Membrane Placement Instrument

G 03-001-39	ACE Buser Type Elevator	7" (18cm)
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STEP PILOT DRILLS

- Ideal for Use In Lag Screw Placement.

H 454-44501	HP, SS, 48mm, (0.81, 1.6, 2.1mm)	3 step
I 454-44001	CA, SS, 30mm, (0.81, 1.6, 2.1mm)	3 step
J 454-281001	CA, SS, 30mm, (0.8, 1.6mm)	2 step
K 454-282001	HP, SS, 48mm, (0.8, 1.6mm)	2 step



MISCH RAMUS RETRACTORS

Unique design to retract tissues of the posterior mandible in preparation for obtaining graft from lateral mandibular external oblique ridge.

A	05-020-56	Misch Ramus Retractor, Right, Curved Down	8-1/2" (21cm)
B	05-020-57	Misch Ramus Retractor, Left, Curved Down	8-1/2" (21cm)

BONE HARVESTING INSTRUMENTS

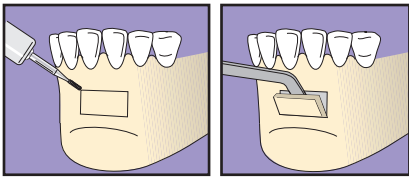
Chisels for Harvesting Bone from the Mandible

- Start with a #701 Taper Fissure Bur
- Retrieve bone graft with ACE Osteotomy Chisel (05-010-18).
- Specially angled and contoured to elevate unicortical grafts.

	05-010-18	8mm Chisel, Flat, 45° Angle	6" (15cm)
C	05-012-20	5mm Chisel, Flat, 45° Angle	6" (15cm)

SPATULA OSTEOTOMES

D	04-000-69	4mm x 1mm, Slight Curve	8" (20cm)
	04-000-74	4mm x 1mm, Strong Curve	8" (20cm)
E	05-000-10	4mm x 30mm	6" (15cm)
F	05-000-11	5mm x 35mm	6" (15cm)



MALLETS

Surgical Mallet

G	64-003-12S	Surgical Mallet, SS	6-1/2" (16.5cm)
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Mead Mallet

H	64-003-07	Mead Mallet, with 2 Plastic Facings	8" (20cm)
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Replacement Facings for Mead Mallet

	64-003-05	Replacement Mallet Facings, Mead	Sold Individually
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THE POWER OF HEALING IN 3 RESORBABLE FORMS.

PROTECT THE ORAL WOUND BED AND PROMOTE
HEALING WITH ACE RESORBABLE COLLAGEN PRODUCTS.



resorbable collagen plug, foam & tape

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

Resorbable Collagen Plug, Resorbable Collagen Foam and Resorbable Collagen Tape are manufactured by Collagen Matrix, Inc; Oakland, NJ USA and Distributed by ACE Surgical Supply CO



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SURGICAL INSTRUMENTS

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Luxating Elevators

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Periotome Kit

Tissue Punches

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Measuring Calipers

Ronguers

Root Elevators

Surgical Scissors

Needleholders

Tissue Forceps

Periosteal Elevators

Curettes

Suction Tips

Extraction Forceps

Wire Cutting

Retractors

Surgical Blades



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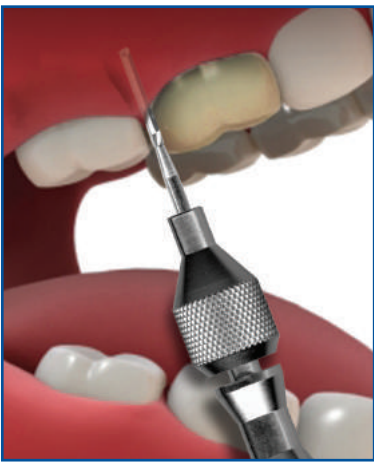
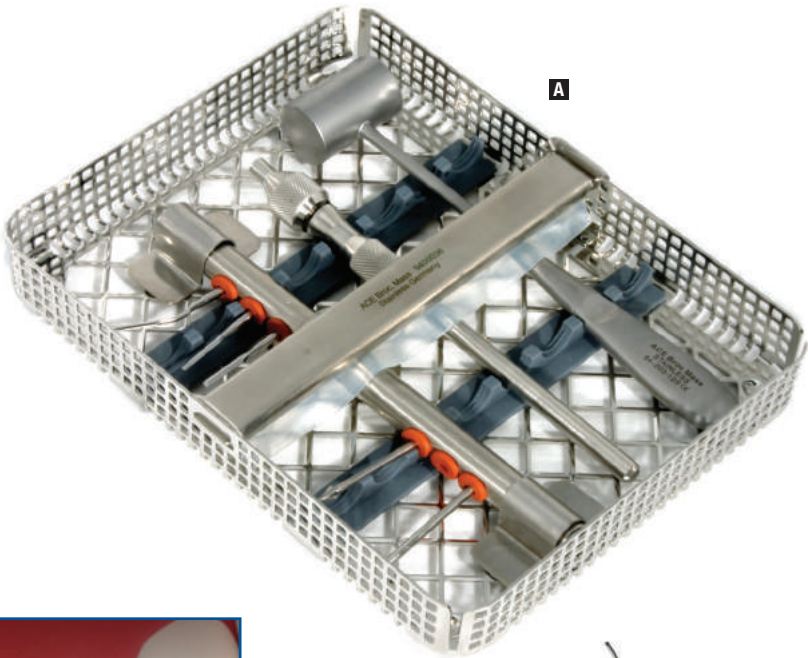
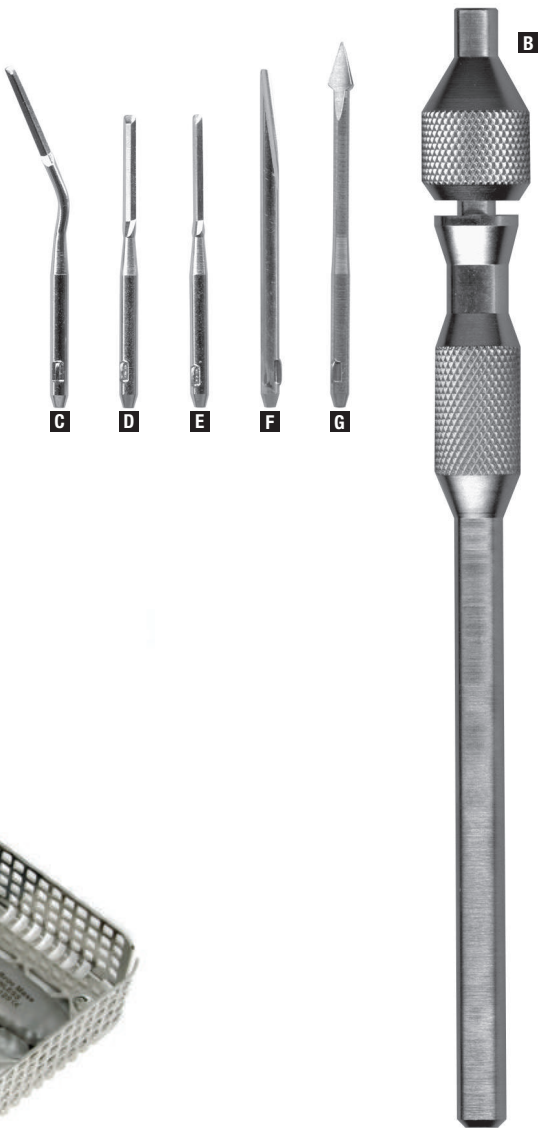
PERIOTOME HANDLE & BLADES KIT

- Periotome is used to remove ligament attachment from the root of the tooth and the alveolar housing.
- Single end handle can be tapped with a mallet or used with hand pressure.
- Components can be purchased separately.

A 344-1770 Periotome Kit complete includes periotome, 5 blades, mallet and tray

Periotome Blades and Accessories available separately

B	16-9010-01	Single end Periotome handle only	6" (15cm)
C	344-1651	P3, 1.5mm, Angled	1.75" (4.5cm)
D	344-1631	P1, 2mm, Straight	1.5" (4cm)
E	344-1641	P2, 1.5mm, Straight	1.5" (4cm)
F	344-1691	2.5mm, Straight, Semi Rigid	1.5" (4cm)
G	344-1661	Arrow Shape Periotome	1.8" (4.9cm)
	64-003-12S	Surgical Mallet, Stainless Steel (shown in kit)	6.5" (16.5cm)
H	344-1665	Periotome Blade Storage Holder, holds 6 blades	6" (15.2cm)
	9400036	Instrument Tray with supports and 1 retainer	175 x 140 x 24mm



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



Blade Storage Holder: Stands up for easy access during procedures and folds flat for sterilization and storage. Holds 6 blades (sold separately).

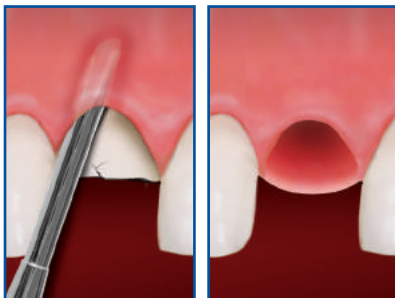
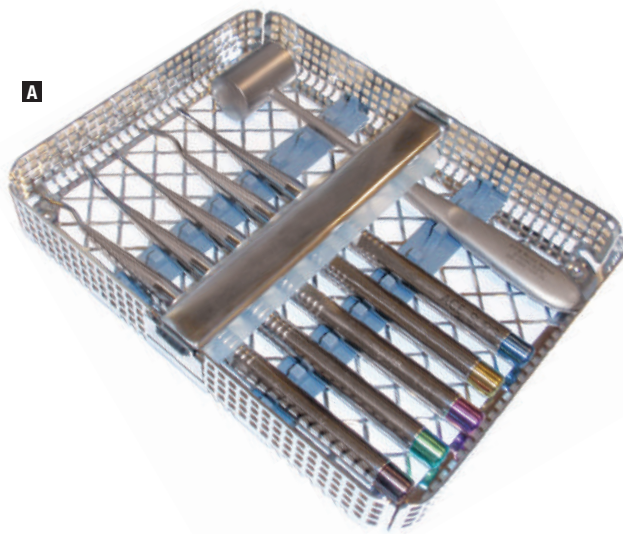
PERIODONTAL LIGAMENT/LUXATING ELEVATOR KIT

- Single end handle can be tapped with a mallet.
- Instruments and tray are Stainless Steel.

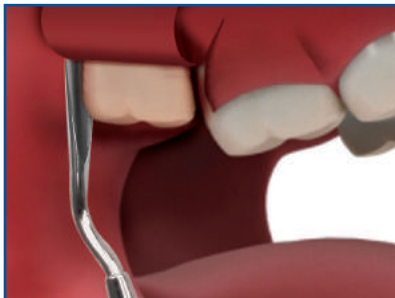
A 454-7111 Periodontal Ligament/Luxator Elevator Kit, with mallet and tray

Periotome Blades and Accessories available separately

B	454-7701	Periodontal Ligament/Luxator Elevator, Brown	Angled "OUT"
C	454-7901	Periodontal Ligament/Luxator Elevator, Green	Curved "OUT"
D	454-7401	Periodontal Ligament/Luxator Elevator, Blue	Straight 2.5mm
E	454-7501	Periodontal Ligament/Luxator Elevator, Red	Arrow Tip
F	454-7601	Periodontal Ligament/Luxator Elevator, Gold	Angled "IN"
	64-003-12S	Surgical Mallet, Stainless Steel (shown in kit)	6-1/2" (16.5cm)
	9400036	Instrument Tray w/supports and retainer	175 x 140 x 24mm



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



In Use: The Angled IN Periotome (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

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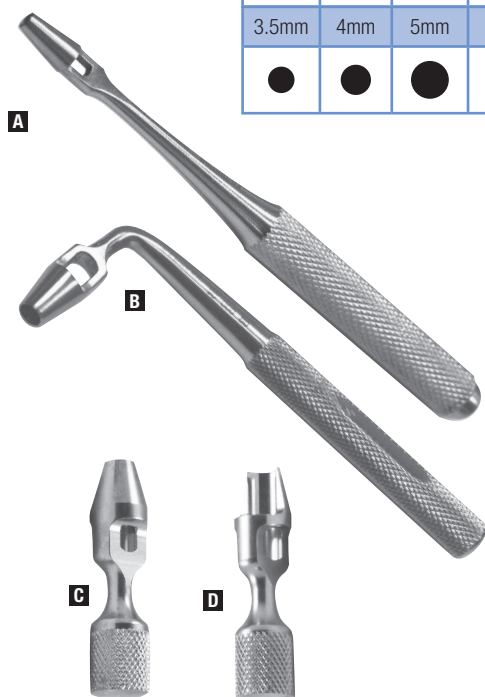
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TISSUE PUNCH SIZE CHART

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



REUSABLE TISSUE PUNCHES

- Provides a precise easy method of soft tissue removal to insure positive seating of healing abutments.
- Diameter of instrument is designed to extend over the implant for simplified tissue removal.
- Can be used for tissue biopsies.
- Honed cutting edge.
- Hand-held
- Surgical grade stainless steel

Long Handle Straight Tissue Punches

90-000-03 ø3mm Long Handle, Straight 4" (10cm)

90-000-04 ø4mm Long Handle, Straight 4" (10cm)

A 90-000-05 ø5mm Long Handle, Straight 4" (10cm)

Long Handle Angled Tissue Punches

90-000-60 ø3mm Long Handle, Angled 4" (10cm)

90-000-80 ø4mm Long Handle, Angled 4" (10cm)

B 90-000-90 ø5mm Long Handle, Angled 4" (10cm)

Short Handle Whole Cut Tissue Punches

20-1780-01 ø3.5mm Short Handle, Whole 1-1/4" (3cm)

C 20-1780-02 ø4mm Short Handle, Whole 1-1/4" (3cm)

20-1780-03 ø5mm Short Handle, Whole 1-1/4" (3cm)

20-1780-04 ø6mm Short Handle, Whole 1-1/4" (3cm)

Short Handle Half Cut Tissue Punches

20-1785-01 ø3.5mm Short Handle, Half Cut 1-1/4" (3cm)

D 20-1785-02 ø4mm Short Handle, Half Cut 1-1/4" (3cm)

20-1785-03 ø5mm Short Handle, Half Cut 1-1/4" (3cm)

20-1785-04 ø6mm Short Handle, Half Cut 1-1/4" (3cm)

DISPOSABLE TISSUE PUNCHES

- Sterile
- Single Use
- Plastic Handle

Long Handle Disposable Tissue Punches

603-3331A ø1.5mm Long Handle Disposable 4" (10cm) 10/pkg

603-3331 ø2mm Long Handle Disposable 4" (10cm) 50/pkg

603-3331B ø2.5mm Long Handle Disposable 4" (10cm) 10/pkg

603-3332 ø3mm Long Handle Disposable 4" (10cm) 10/pkg

603-3333 ø3.5mm Long Handle Disposable 4" (10cm) 10/pkg

E 603-3334 ø4mm Long Handle Disposable 4" (10cm) 50/pkg

603-3335 ø5mm Long Handle Disposable 4" (10cm) 50/pkg

603-3336 ø6mm Long Handle Disposable 4" (10cm) 50/pkg

Short Handle Disposable Tissue Punches

F 603-3333SH ø3.5mm Short Disposable 1-1/16" (2.7cm) 50/pkg

603-3334SH ø4mm Short Disposable 1-1/16" (2.7cm) 50/pkg

603-3335SH ø5mm Short Disposable 1-1/16" (2.7cm) 50/pkg

603-3336SH ø6mm Short Disposable 1-1/16" (2.7cm) 50/pkg

CONTRA ANGLE TISSUE PUNCHES

92-000-02 ø2mm Mucosa Punch, for CA 1" (25mm)

G 92-000-03 ø3mm Mucosa Punch, for CA 1" (25mm)

92-000-01 ø3.5mm Mucosa Punch, for CA 1" (25mm)

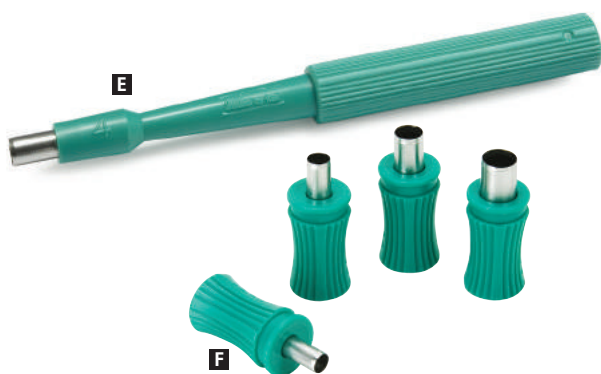
H 92-000-04 ø4mm Mucosa Punch, for CA 1" (25mm)**I** 92-000-05 ø5mm Mucosa Punch, for CA 1" (25mm)**J** 92-000-06 ø6mm Mucosa Punch, for CA 1" (25mm)

Tissue Punches Driver

K 20-1550-01 Thumb Knob**L** 20-1554-11 Ratchet Extension

Complete Set of Mucosa Tissue Punches

- Includes 6 Punches (above)
- Plus Ratchet Extension, Thumb Knob (see inset) and Delrin Tray

M 92-000-20 Complete Set of Mucosa Tissue Punches Set of 6

DENTAL IMPLANT CALIPER WITH RINGS

A 08-000-52 0-35mm 5-1/2" (14cm)

DIGITAL CALIPER

- Cannot be autoclaved

B 08-000-14 W/Thumb Wheel, 0-6",150mm 9" (23cm)

BOLEY GAUGES

C 08-000-10 0-100mm 5-1/2" (14cm)

BONE MEASURING CALIPERS

D 08-000-59 Ridge Mapping Caliper 0-25mm 6" (15cm)

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.
- 8, 10, 13, 15, 18mm markings.
- Titanium (6Al-4V-ELI).

E 714-0243 Depth Packing Gauge, DE 7" (18cm)

All instruments Stainless Steel unless noted.

STAINLESS STEEL RULERS

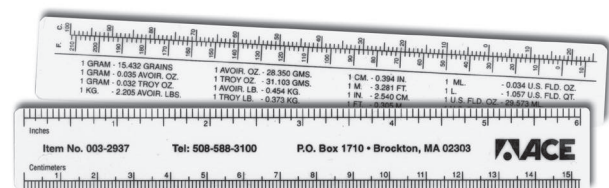
08-000-03 Stainless Steel Ruler, 1/2" x 4"

F 08-000-11 Stainless Steel Ruler, 1/2" x 6"

PLASTIC RULER

- Standard and metric increments
- Cold sterilization only

G 003-2937 Plastic Ruler, 7/8" x 6" 10/pkg.



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A**B****C****D****E**

RONGEURS

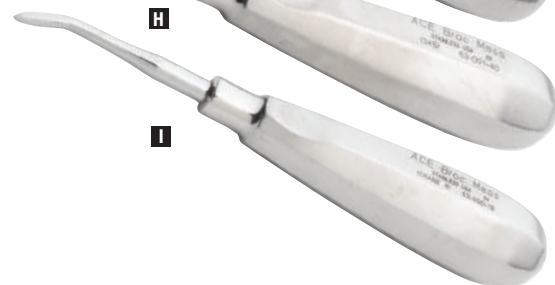
A	10-000-09	Standard Blumenthal Rongeur, 30° Angle	6" (15cm)
B	10-000-34	Friedman Rongeur	5-1/2" (14cm)
C	10-000-35	Mini Friedman Rongeur	5" (13cm)
D	10-100-36	Micro Friedman Rongeur	5-1/2" (14cm)
E	10-000-01	#1 Rongeur	6-1/2" (16.5cm)
	10-000-75	Kerrison Rongeur, 3.5mm Bite, 4" Shaft	5-3/4" Long



**SEE OUR WEB SITE
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INSTRUMENTS**

ROOT ELEVATORS

F	63-000-04	#301 Apexo	6" (15cm)
	63-000-08	#303 Apexo	6" (15cm)
G	63-000-14	#34 Seldin	6" (15cm)
H	63-001-40	#34S Seldin	6" (15cm)
	63-150-15	#34S Seldin, Serrated	6" (15cm)
I	63-000-18	#8 Crane Pick	6" (15cm)

F**G****H****I**

SURGICAL SCISSORS

A	40-000-01	#9 Dean, Smooth	6-1/2" (16.5cm)
	40-150-02	#9 Dean, Serrated	6-1/2" (16.5cm)
B	40-010-19	#17 Iris, Delicate, Straight	4-1/2" (11.5cm)
C	40-020-06	#1 Kelly, Curved, Serrate	6-1/4" (16cm)
	40-020-07	Kelly, Angled, Smooth	6-1/4" (16cm)
	40-020-08	Kelly, Angled, Serrated	6-1/4" (16cm)
D	40-000-09	#15 Sullivan, Smooth	5-1/2" (14cm)
E	40-000-30	#13 Littauer Stitch	6" (15cm)
F	40-000-11	#12 Locklin	6-1/4" (16cm)

MICROSURGICAL SCISSORS

G	41-020-42	Westcott Tenotomy, Curved, Sharp	5-1/2" (14cm)
	41-060-32	Westcott Stitch, Straight, Sharp	4-3/4" (12cm)
	41-060-33	Westcott Stitch, Curved, Sharp	4-3/4" (12cm)

MICROSURGICAL NEEDLEHOLDERS

H	31-052-06	Castroviejo, Serrated	5-1/2" (14cm)
I	31-052-05	Castroviejo, Serrated, Fine Tip, Tungsten Carbide	5-1/2" (14cm)
	30-020-30	Castroviejo, Serrated, Tungsten Carbide, Curved	5-1/2" (14cm)

NEEDLEHOLDERS

J	30-010-12	Crile Wood, Straight	6" (15cm)
K	30-051-17	Crile Wood, Straight, Tungsten Carbide	6" (15cm)
	30-051-18	Crile Wood, Straight, Tungsten Carbide	7" (18cm)
L	30-051-09	Mayo Hegar, Straight, Tungsten Carbide	6 1/4" (16cm)



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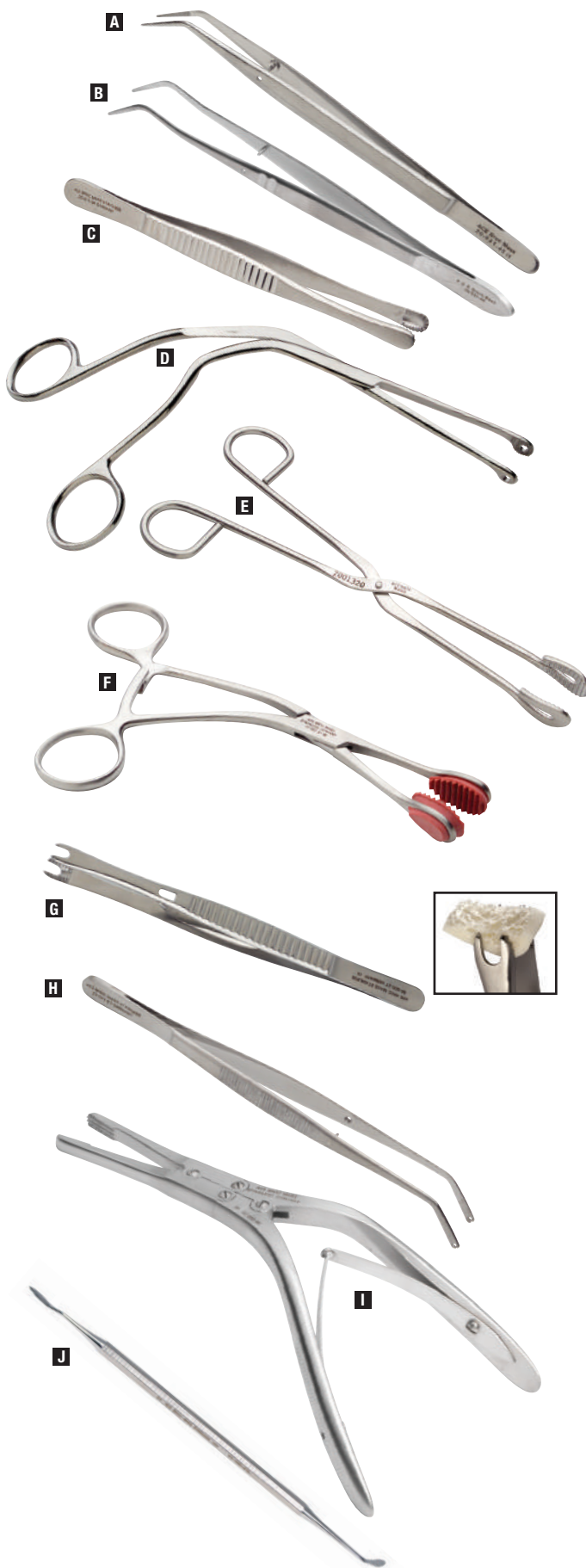
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**DRESSING FORCEPS**

A	20-021-45	#17 Dressing	6-1/4" (16cm)
B	20-021-46	#18 Dressing	6-1/2" (16.5cm)

RUSSIAN TISSUE FORCEPS

C	20-011-08	Russian Tissue Forceps	6" (15cm)
	20-011-09	Russian Tissue Forceps	8" (20cm)

MAGILL FORCEPS

D	44-19-051	Magill Forceps, Child	7-1/2" (19cm)
	44-23-050	Magill Forceps, Adult	9 3/4" (25cm)

STERILIZING FORCEPS

E	20-013-20	Universal Sterilizing Forceps – Straight	8" (20cm)
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YOUNG TONGUE SEIZING FORCEPS

F	01-001-51	With Rubber Jaws	6-1/4" (16cm)
	01-001-52	Replacement Tips (Latex Free)	2/set

BONE GRAFT HOLDING FORCEPS

	96-000-26	Bone Graft Holding Forceps	8" (20cm)
G	96-000-27	Bone Graft Holding Forceps	6" (15cm)

CORN SUTURE PLIERS

H	20-001-07	Corn Suture Pliers, Angled	6" (15cm)
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MORSELIZER

I	06-000-73	Rubin Septal Morselizer, Angular Blades	8" (20cm)
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WOODSON PLASTIC FILLING INSTRUMENT

J	62-000-97A	ACE Style Woodson #1, Double Ended	6-1/2" (16.5cm)
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HALSTED MOSQUITO FORCEPS

A	20-022-02 #3, Curved	4-3/4" (12cm)
B	20-012-01 #4, Straight	4-3/4" (12cm)

PROVIDENCE KELLY MOSQUITO FORCEPS

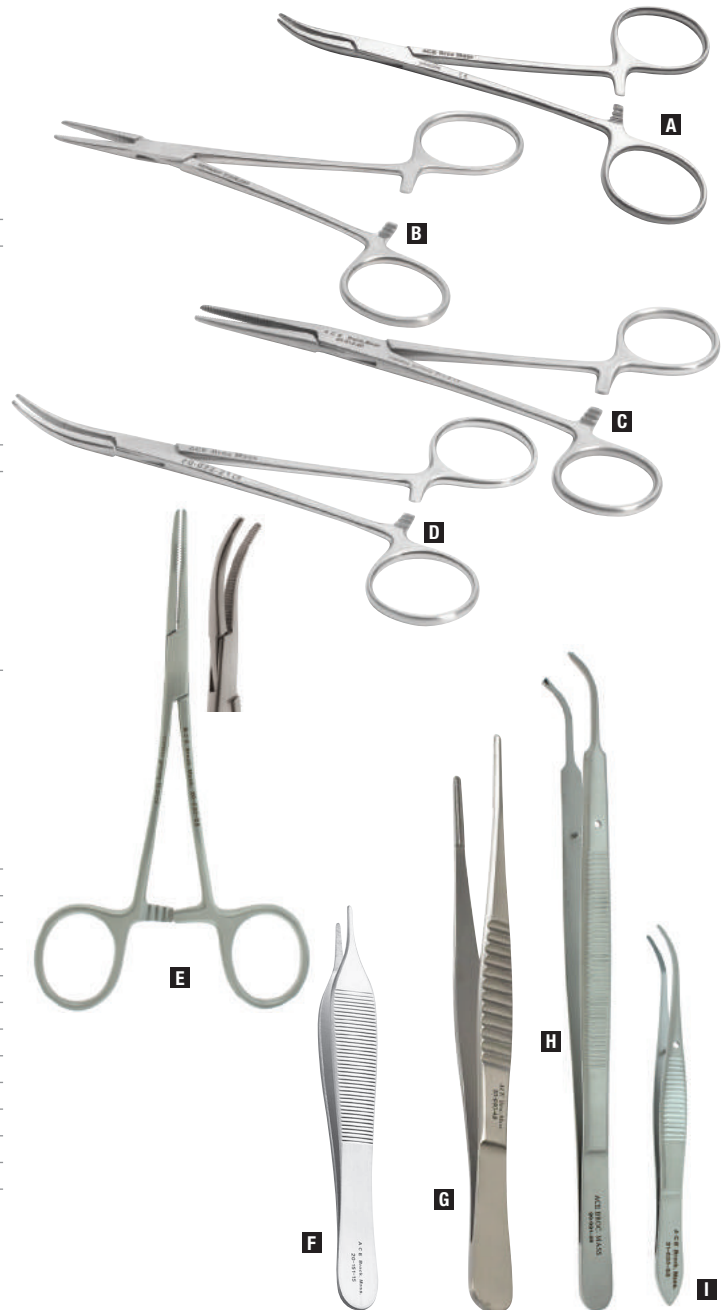
C	20-012-20 Providence Kelly Mosquito, Straight	5-1/2" (14cm)
D	20-022-21 Providence Kelly Mosquito, Curved	5-1/2" (14cm)

CRILE MOSQUITO FORCEPS

E	20-022-25 Crile Mosquito Forceps, Curved	5-1/2" (14cm)
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TISSUE FORCEPS

F	20-151-15 Adson #41, Serrated	4-3/4" (12cm)
	20-001-18 Adson #42, 1x2 Teeth	4-3/4" (12cm)
	20-001-19 Adson, 1x2 Teeth	6" (15cm)
	20-001-27 Adson, 1x2 Teeth, Thumb Grips	4-3/4" (12cm)
	20-001-25 Adson, Serrated, Thumb Grips	4-3/4" (12cm)
	21-000-38 Micro Adson, 1x2 Teeth .8mm	6" (15cm)
	21-150-37 Micro Adson, 1x2 Teeth, Straight	4-3/4" (12cm)
	21-150-35 Micro Adson, Straight, Serrated	4-3/4" (12cm)
G	20-000-48 Debakey, 2mm Wide	6" (15cm)
	20-000-49 Debakey, 2mm Wide	7-3/4" (19.5cm)
H	20-021-05 Gerald, 1x2 Teeth, Curved	7" (18cm)
	20-001-04 Gerald, 1x2 Teeth, Straight	7" (18cm)
I	21-020-22 Iris, Delicate, Half Curve, Serrated	4" (10cm)



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SEE OUR WEB SITE
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INSTRUMENTS

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PERIOSTEAL ELEVATORS

Molt

A	03-000-73	Double Ended	7" (18cm)
B	03-140-42	Double Ended, SB	7-1/2" (19cm)
C	03-000-74	Heavy Pattern, Double Ended	7-1/2" (19cm)
D	03-000-72	Double Ended, Titanium	7-1/2" (19cm)

Allen

E	03-000-80	#9A	6-1/2" (16.5cm)
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Seldin, #23

F	03-000-01	Double Ended	7-3/4" (19.5cm)
G	03-000-04	Octagonal Handle, Double Ended	7-1/2" (19cm)

Freer

H	03-110-23	Strong Curve	7-1/2" (19cm)
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Pritchard

I	03-000-65	Pritchard, Double Ended	7-3/4" (19.5cm)
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CURETTES

Miller Curettes

J	10-002-03	#9 Miller Curette, Double Ended	7-1/4" (18.5cm)
K	10-002-04	#10 Miller Curette, Double Ended	7-1/4" (18.5cm)
L	10-002-05	#11 Miller Curette, Double Ended	7" (18cm)
M	10-002-06	#12 Miller Curette, Double Ended	7" (18cm)

Molt Curettes

N	10-002-21	#2/4 Molt Bone Curette, Double Ended	7" (18cm)
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**SEE OUR WEB SITE
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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.

AA 09-000-90 VariJet™ Suction Irrigator - 3mm, 8" (20cm)

SUCTION TIPS

Yankauer

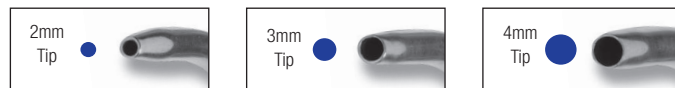
A	11-28-004	Yankaur Suction Tip, Complete	11" (28cm)
B	09-001-29	Yankaur Suction Tip, Complete, HVAC End	11" (28cm)
C	11-02-006	Yankaur Suction Tip, Replacement Tip Only	1" (2.5cm)

Frazier

D	09-000-62	Suction Tip, 8 FR w/stylet, 30° Angle	7" (18cm)
E	09-000-64	Suction Tip, 10 FR w/stylet, 30° Angle	7" (18cm)
	09-000-66	Suction Tip, 12 FR w/stylet, 30° Angle	7" (18cm)

McKesson Type

	09-000-01	McKesson Suction Tip, 2mm	7" (18cm)
F	09-001-10	McKesson Suction Tip, 3mm, Titanium	7" (18cm)
	09-000-03	McKesson Suction Tip, 4mm	7" (18cm)



McKesson Type - Modified

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

G 09-000-02 McKesson Modified Suction Tip, 3mm 7" (18cm)

MISCELLANEOUS CLEANING BRUSHES

H	603-9015	Nylon Bristles	7" (18cm)	3/pkg
I	603-9016	Stainless Steel Bristles	7" (18cm)	3/pkg

AUTOCCLAVABLE CLEANING BRUSHES

J	09-161-17	Small	3mm Bristle Diameter	12" Length	dozen
J	09-161-18	Small	3mm Bristle Diameter	24" Length	dozen
K	09-171-18	Medium	5.3mm Bristle Diameter	12" Length	dozen
K	09-171-19	Medium	5.3mm Bristle Diameter	24" Length	dozen
L	09-181-19	Large	11mm Bristle Diameter	12" Length	dozen
L	09-181-20	Large	11mm Bristle Diameter	12" Length	dozen

ACE SANI-SLEEVES

Ideal for cords and tubing, etc.

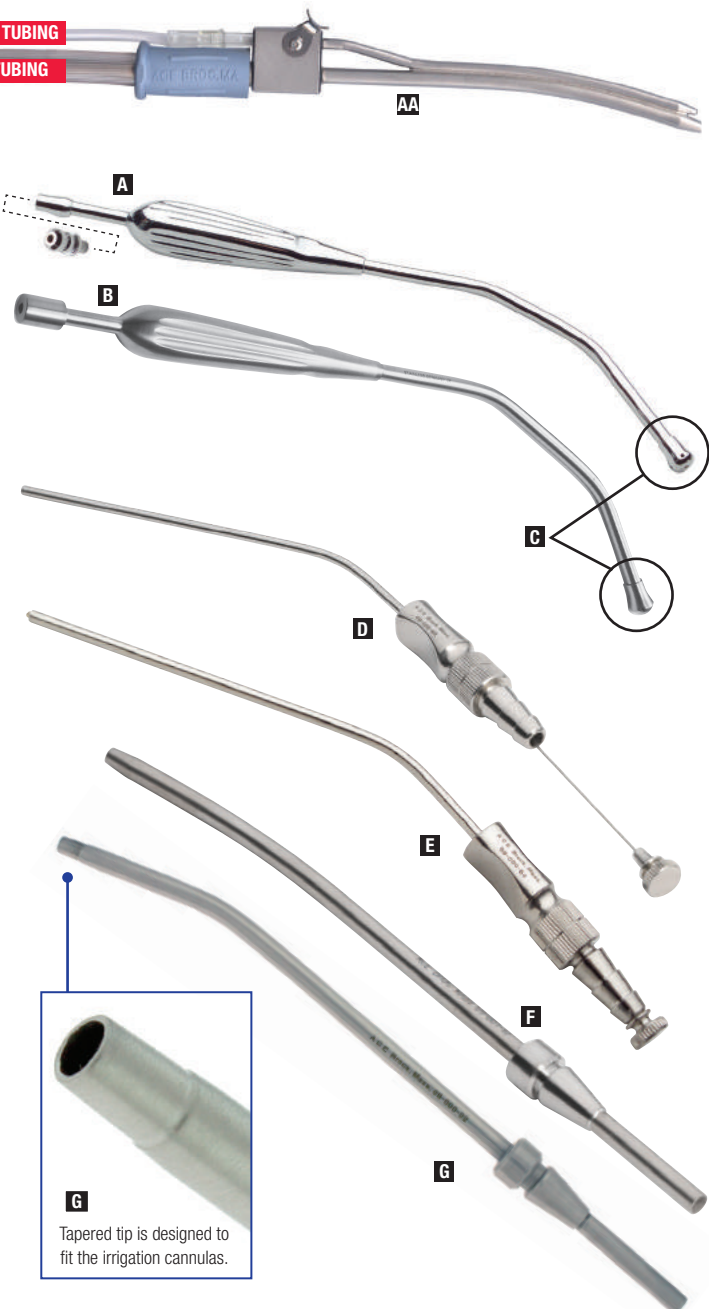
M 641-1000 Sani-Sleeve, Sterile, 2" x 60" 10/pkg



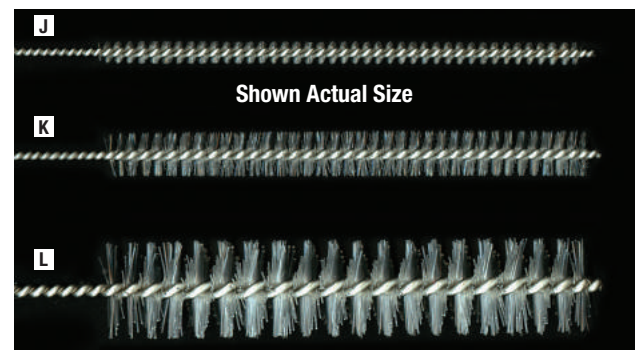
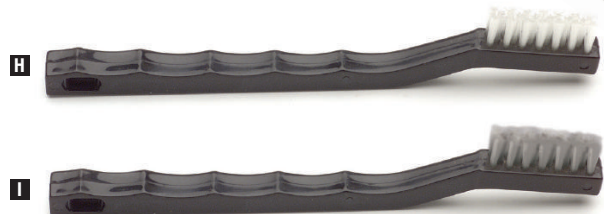
IRRIGATION TUBING

SUCTION TUBING

Includes adapter for additional connection options



Tapered tip is designed to fit the irrigation cannulas.



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**MAXILLARY & MANDIBULAR EXTRACTION FORCEPS**

A	63-003-45	#23 Lower Molar Forceps	6-1/2" (16.5cm)
B	63-004-44	#150 Upper, Smooth	7" (18cm)
C	63-164-73	#150S Upper	6" (15cm)
D	63-164-72	#151S Lower Molar Forceps	6" (15cm)
E	63-003-20	#151 Lower Molar Forceps	6-1/2" (16.5cm)
F	63-004-27	#MD3 Mead Lower Ant. Forceps	5-1/2" (14cm)



**SEE OUR WEB SITE
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A ARCH BARS

08-001-10 Erich – Meter Roll (approx. 36")

B ACE UTILITY ARCH BAR WAX

08-001-60 Arch Bar Wax, 2" Ropes 10 boxes/pkg

C SPOOL WIRE ON AUTOCLAVABLE DELRIN SPOOLS

Stainless Steel

08-000-87	Spool Wire, 28G, .012", 4 oz. Spool	200 feet
08-000-88	Spool Wire, 26G, .016", 4 oz. Spool	200 feet
08-000-89	Spool Wire, 25G, .018", 4 oz. Spool	200 feet
08-000-90	Spool Wire, 24G, .020", 4 oz. Spool	200 feet
08-000-91	Spool Wire, 22G, .025", 4 oz. Spool	200 feet
08-000-92	Spool Wire, 20G, .032", 4 oz. Spool	200 feet

D TUBE WIRE

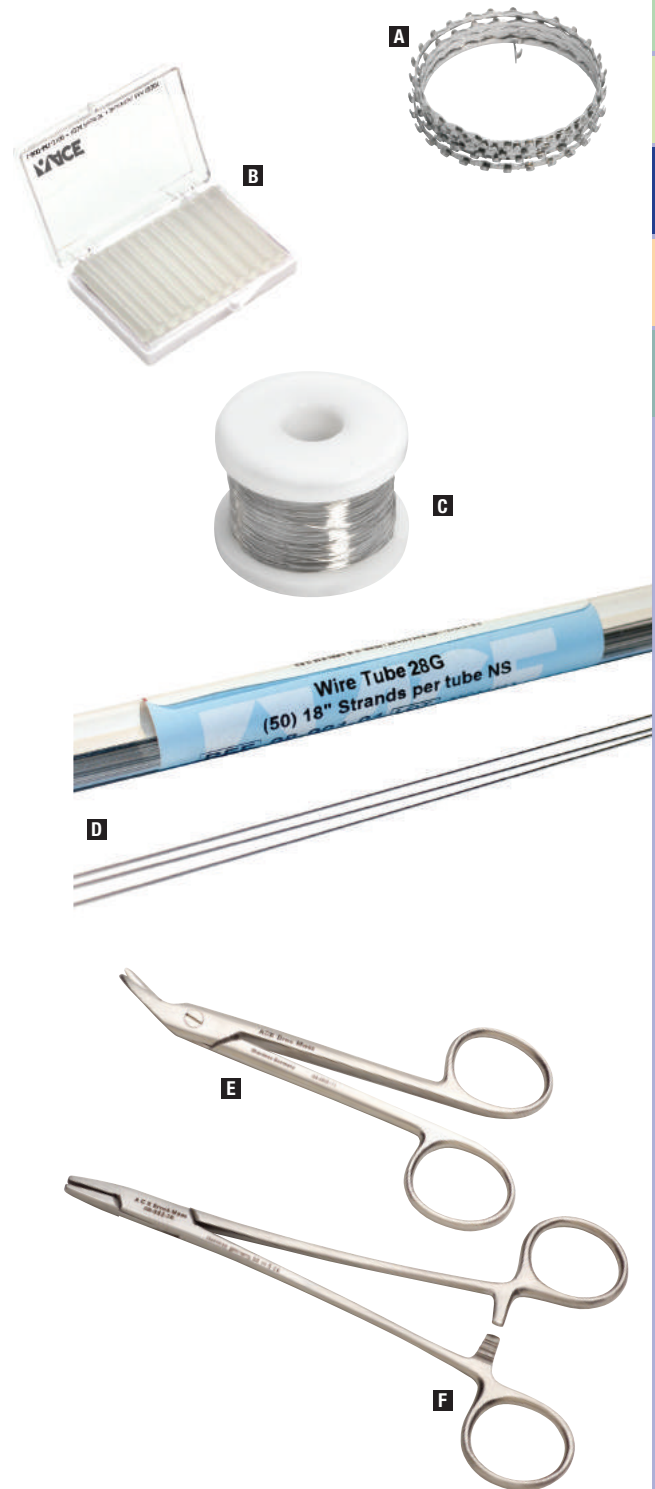
08-001-82	28G, 18" Strands	50/tube
08-001-00	26G, 18" Strands	50/tube
08-001-01	25G, 18" Strands	50/tube
08-001-02	24G, 18" Strands	50/tube

WIRE CUTTING SCISSORS

E	08-002-11	Wire Cutting Scissors	4-3/4" (12cm)
	08-052-12	Wire Cutting Scissors, Tungsten Carbide	4-3/4" (12cm)
	08-002-13	Smith, 1 blade Serrated	6" (15cm)
	08-002-14	Smith, 1 blade Serrated	7" (18cm)
	08-052-60	Smith, 1 blade Serrated, Tungsten Carbide	7" (18cm)

WIRE TWISTERS

F	08-082-36	Wire Twisters, Blunt	6" (15cm)
	08-052-37	Wire Twisters, Blunt, Tungsten Carbide	6" (15cm)



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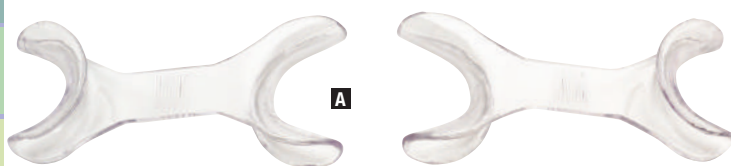
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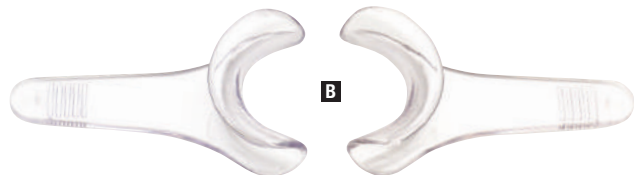
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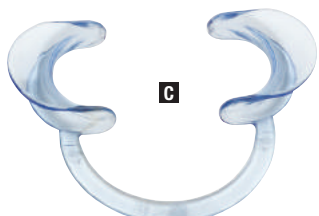
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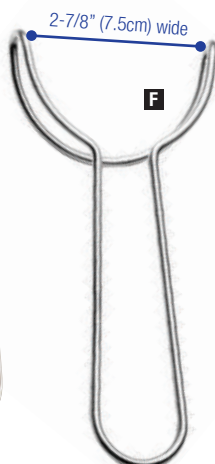


D



2" (5cm) wide

E



2-7/8" (7.5cm) wide

F



G



H



I



J



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L

PLASTIC RETRACTORS

- Can be steam sterilized to 270°F (130°C)
- Dry heat not recommended

Ace Lip/Cheek Retractors

- Autoclavable
- Plastic

A	01-000-30	Universal, Double Ended	4" (40mm)	2/pkg
B	01-000-36	Child, Single Ended	4" (40mm)	2/pkg
	01-000-38	Adult, Single Ended	4-1/4" (45mm)	2/pkg

Self-Spanning Lip/Cheek Retractors

- Autoclavable
- Plastic

C	01-160-32	Child, 35mm		each
	01-170-31	Adult, 50mm		each
	01-160-25	With Holders, Child, 35mm		each
D	01-170-25	With Holders, Adult, 50mm		each

STAINLESS STEEL LIP/CHEEK/TONGUE RETRACTORS

E	01-003-91	Columbia, Double Ended	5" (13cm)	
F	61-003-90	Branemark® Type	6-1/4" (16cm)	
G	01-003-94	Feldman Retractor, Double Ended	5-1/2" (14cm)	
H	01-160-95	Wieder Retractor, Child	5" (13cm)	
	01-170-94	Wieder Retractor, Adult	5" (13cm)	
I	01-000-88	University of Minnesota, Tongue/Cheek Retractor, Double Ended	5-1/2" (14cm)	
J	01-001-60	University of Minnesota, Austin Retractor	3" (7.5cm)	
K	01-004-04	Simplex, Lip/Cheek Retractor	4-1/2" (11.5cm)	
L	01-002-06	Farabeuf Retractors, Double Ended, 2 /set	4-1/2" (11.5cm)	



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A ACE MCKESSON TYPE MOUTH PROPS

• Autoclavable • Not shown actual size • Silicone — Latex Free

01-160-35	Small Child, Black	pair
01-160-39	Small Child, Blue	pair
01-160-36	Small Child, Tan	pair
01-160-37	Child, Black	pair
01-160-40	Child, Blue	pair
01-160-38	Child, Tan	pair
01-170-41	Adult, Black	pair
01-170-43	Adult, Blue	pair
01-170-42	Adult, Tan	pair

**MOUTH GAGS**

• Autoclavable

B 01-170-16	Molt Mouth Gag, Adult	5-1/2" (14cm)
01-160-18	Molt Mouth Gag, Child	4-1/2" (11.5cm)
01-170-23	Molt Mouth Gag Replacement Covers	set/2

C 01-000-25	Denhardt Mouth Gag	5" (13cm)
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**LACRIMAL PROBES****Bowman – Standard**

61-225-40	Size 0000-000, Sterling	5" (13cm)
61-225-20	Size 00-0, Sterling	5" (13cm)
61-225-12	Size 1-2, Sterling	5" (13cm)
61-225-34	Size 3-4, Sterling	5" (13cm)
61-225-56	Size 5-6, Sterling	5" (13cm)
61-225-78	Size 7-8, Sterling	5" (13cm)

Williams

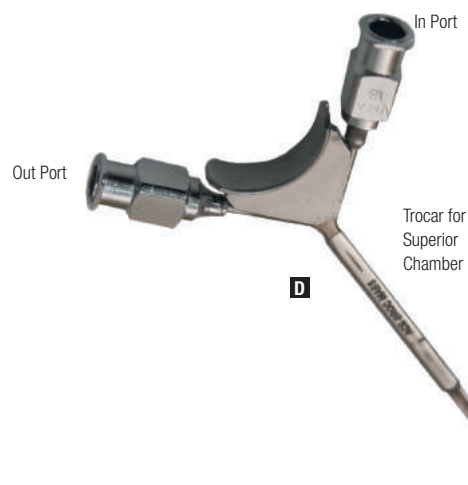
61-250-40	Size 0000-000, Sterling	5" (13cm)
61-250-20	Size 00-0, Sterling	5" (13cm)
61-250-12	Size 1-2, Sterling	5" (13cm)
61-250-34	Size 3-4, Sterling	5" (13cm)
61-250-56	Size 5-6, Sterling	5" (13cm)
61-250-78	Size 7-8, Sterling	5" (13cm)

**Bowman Probe Tip Detail (No Bulb)****Williams Probe Tip Detail (with Bulb)****TMJ DYSFUNCTION TREATMENT****Levaging TM Joint – Shepherd Arthrocentesis Instrument**

A small incision (1/8") is made into the skin; mosquito forceps are used to make a blunt dissection to the lateral ligament; the arthrocentesis instrument may then enter the capsule into the superior chamber.

Reference: Trieger, N, Hoffman, C, Rodriguez, E. The Effect of Arthrocentesis of the Temporomandibular Joint in Patients With Rheumatoid Arthritis. Journal of Oral and Maxillofacial Surgery May 1999; 57:537-541.

D 07-020-42	Shepherd Arthrocentesis Instrument	18G x 2.5"
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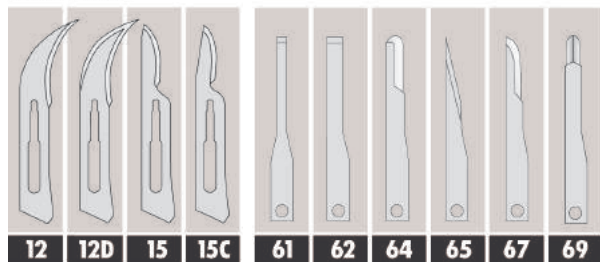
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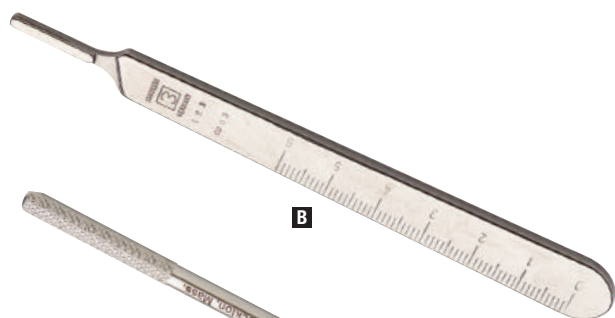
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ACE BLADE HANDLES

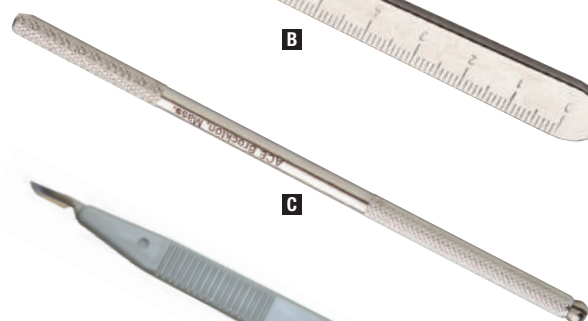
BLADE CHART



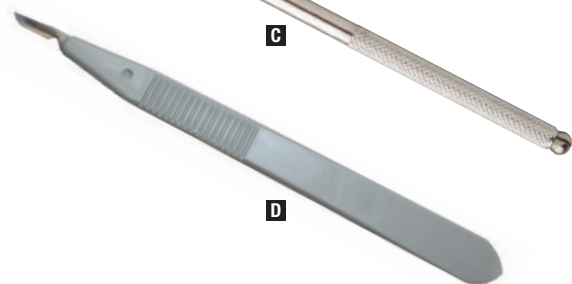
A



B



C



D

ACE STERILE SURGICAL BLADES

A	003-6112	#12 Carbon Steel	100/box
	003-6312	#12D Carbon Steel	100/box
	003-6115	#15 Carbon Steel	100/box
	003-6315	#15C Carbon Steel	100/box

ACE BLADE HANDLES

ACE #3 Flat Blade Handles

B	003-0992	#3M Handle, with Metric Markings	5" (13cm)
	003-0993	#3 Handle	5" (13cm)

MINI BLADE HANDLES

ACE

	786-1330	Mini Blade Handle	4" (10cm)
C	786-1350	Mini Blade Handle	5" (13cm)
	786-1320	Mini Blade Handle	6" (15.5cm)

STERILE MINI BLADES

ACE Stainless Steel / .6mm Thickness

	786-6100	ACE Sterile Mini Blades, #61	10/pkg
	786-6200	ACE Sterile Mini Blades, #62	10/pkg
	786-6400	ACE Sterile Mini Blades, #64	10/pkg
	786-6500	ACE Sterile Mini Blades, #65	10/pkg
	786-6700	ACE Sterile Mini Blades, #67	10/pkg
	786-6900	ACE Sterile Mini Blades, #69	10/pkg

STERILE DISPOSABLE SCALPELS

- Stainless steel blade with plastic handle

D	003-9915	Disposable Scalpel, #15, 5-1/4" (13.5cm)	10/box
	003-9215	Disposable Scalpel, #15C, 5-1/4" (13.5cm)	10/box

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SURGICAL BURS

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Non-Sterile Carbide
Non-Sterile Specialty
Trephine Burs

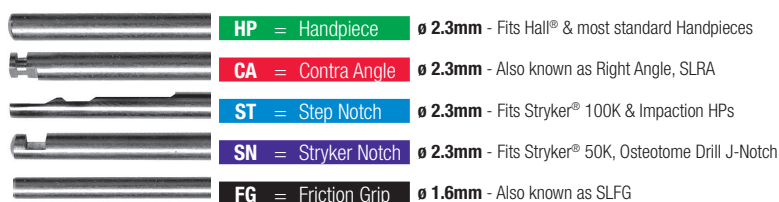
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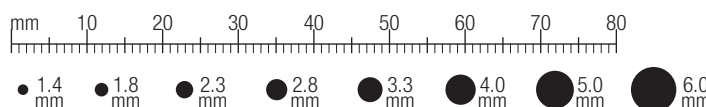
ACE SURGICAL BURS

NEW - STERILE SURGICAL BURS

- Individually Packaged Sterile
- Sold 10 Per Package



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



CARBIDE

ROUND BURS

702 TAPER BURS

1702 TAPER DOME BURS

703 TAPER BURS

1703 TAPER DOME BURS

1703L TAPER DOME BURS

CYLINDER BUR

OVAL BONE CUTTING BURS

SINUS LIFT EGG BURS

NOW PACKAGED STERILE

Item Number	Shank	Head Material	Head Diam.	Bur Number	Total Length	Cutting Length	Features	Qty Per Package
21-44-1960	HP	Carbide	1.8mm	6	44mm	-	Round	10
21-50-1960	HP	Carbide	1.8mm	6	50mm	-	Round	10
21-65-1960	HP	Carbide	1.8mm	6	65mm	-	Round	10
21-44-1980	HP	Carbide	2.3mm	8	44mm	-	Round	10
21-44-1980S	SN	Carbide	2.3mm	8	44mm	-	Round	10
21-50-1980	HP	Carbide	2.3mm	8	50mm	-	Round	10
21-65-1980	HP	Carbide	2.3mm	8	65mm	-	Round	10
61-44-1902	HP	Carbide	1.6mm	702	44mm	5mm	Tapered	10
61-50-1902	HP	Carbide	1.6mm	702	50mm	5mm	Tapered	10
61-65-1902	HP	Carbide	1.6mm	702	65mm	5mm	Tapered	10
62-44-1902	HP	Carbide	1.6mm	1702	44mm	5mm	Tapered	10
62-50-1902	HP	Carbide	1.6mm	1702	50mm	5mm	Tapered	10
62-65-1902	HP	Carbide	1.6mm	1702	65mm	5mm	Tapered	10
62-44-1902ST	ST	Carbide	1.6mm	1702	44mm	5mm	Tapered	10
62-59-1902ST	ST	Carbide	1.6mm	1702	59mm	5mm	Tapered	10
61-44-1909	HP	Carbide	2.1mm	703	44mm	5mm	Tapered	10
61-50-1909	HP	Carbide	2.1mm	703	50mm	5mm	Tapered	10
61-65-1909	HP	Carbide	2.1mm	703	65mm	5mm	Tapered	10
63-44-1903	HP	Carbide	2.1mm	1703	44mm	5mm	Tapered	10
63-50-1903	HP	Carbide	2.1mm	1703	50mm	5mm	Tapered	10
63-65-1903	HP	Carbide	2.1mm	1703	65mm	5mm	Tapered	10
63-44-1903ST	ST	Carbide	2.1mm	1703	44mm	5mm	Tapered	10
63-59-1903ST	ST	Carbide	2.1mm	1703	59mm	5mm	Tapered	10
64-44-1903	HP	Carbide	2.1mm	1703L	44mm	7mm	Tapered	10
64-50-1903	HP	Carbide	2.1mm	1703L	50mm	7mm	Tapered	10
64-65-1903	HP	Carbide	2.1mm	1703L	65mm	7mm	Tapered	10
64-44-1903ST	ST	Carbide	2.1mm	1703L	44mm	7mm	Tapered	10
64-59-1903ST	ST	Carbide	2.1mm	1703L	59mm	7mm	Tapered	10
40-50-0016	HP	Carbide	1.5mm	-	50mm	7.5mm	-	10
42-65-0008	HP	Carbide	1.2mm	558	65mm	5mm	-	10
504-080501	HP	Carbide	4mm	-	48mm	9mm	Cross Cut	1
31-68-0031	HP	Carbide	4mm	-	68mm	9mm	Cross Cut	1
31-44-0023	HP	Carbide	5.5mm	-	44mm	10mm	Cross Cut	1
31-50-0023	HP	Carbide	5.5mm	-	50mm	10mm	Cross Cut	1
504-080505	HP	Carbide	5.5mm	-	70mm	10mm	Cross Cut	1
31-44-0020S	SN	Carbide	4mm	-	44mm	9mm	Cross Cut	1
504-080501S	SN	Carbide	4mm	-	48mm	8mm	Cross Cut	1
504-502ST	ST	Carbide	4mm	-	54mm	8mm	Cross Cut	1
31-44-0023ST	ST	Carbide	5.5mm	-	44mm	10mm	Cross Cut	1
31-50-0023ST	ST	Carbide	5.5mm	-	50mm	10mm	Cross Cut	1
31-31-0023	CA	Carbide	4mm	-	31mm	9mm	Cross Cut	1
31-31-0024	CA	Carbide	5.5mm	-	31mm	10mm	Cross Cut	1
00-35-0028	CA	Carbide	2.8mm	-	35mm	5mm	Cross Cut	1
00-45-0028	HP	Carbide	2.8mm	-	45mm	5mm	Cross Cut	1
00-45-0028ST	ST	Carbide	2.8mm	-	45mm	5mm	Cross Cut	1
00-45-0028S	SN	Carbide	2.8mm	-	45mm	5mm	Cross Cut	1

Item Number	Shank	Head Material	Head Diam.	Bur Number	Total Length	Cutting Length	Features	Qty Per Package
10-44-0166	HP	SS	2mm	-	44mm	10mm	-	1
10-60-0168	HP	SS	2mm	-	60mm	24mm	-	1
10-65-0168	HP	SS	2.3mm	-	65mm	24mm	-	1
10-80-0169	HP	SS	2.3mm	-	80mm	35mm	-	1
10-35-0166	CA	SS	2mm	-	35mm	10mm	-	1
10-44-0166S	SN	SS	2mm	-	44mm	10mm	-	1
10-65-0168S	SN	SS	2.3mm	-	65mm	24mm	-	1
10-65-0168ST	ST	SS	2.3mm	-	65mm	24mm	-	1
19-26-0162	FG	SS	1.6mm	-	26mm	9mm	-	1
88-33-0009	CA	SS	1.6-2.35mm	-	34mm	15mm	Internal Irr.	1
88-33-0010	CA	SS	3.15-4mm	-	34mm	15mm	Internal Irr.	1
00-50-0013	HP	SS	6mm	-	50mm	12mm	Contouring	1
00-50-0014	HP	SS	6mm	-	50mm	12mm	Contouring	1
00-50-0015	HP	SS	4mm	-	50mm	14mm	Contouring	1
00-50-0016	HP	SS	5.5mm	-	50mm	12mm	Contouring	1
454-44501	HP	SS	0.81, 1.6, 2.1mm	-	48mm	-	-	1
454-44001	CA	SS	0.81, 1.6, 2.1mm	-	30mm	-	-	1
454-281001	CA	SS	0.8, 1.6mm	-	30mm	-	-	1
454-282001	HP	SS	0.8, 1.6mm	-	47mm	-	-	1
454-40201	CA	SS	1.1mm	-	23.6mm	-	-	1
454-40501	CA	SS	0.8mm	-	22mm	-	-	1
11-26-0357	CA	SS	3.75-7mm	-	26mm	7mm	Internal Irr.	1
00-50-0035	HP	Titanium	3.5mm	-	50mm	14mm	Contouring	1
00-50-0060	HP	Titanium	6mm	-	50mm	14mm	Contouring	1
Item Number	Shank	Head Material	Head Diam.	Bur Number	Total Length	Cutting Length	Features	Qty Per Package
00-50-0080	HP	Diamond	5mm	-	44mm	-	.6mm thick	1
00-23-0080	CA	Diamond	5mm	-	22mm	-	.6mm thick	1
00-50-0080ST	ST	Diamond	5mm	-	44mm	-	.6mm thick	1
00-50-0080S	SN	Diamond	5mm	-	44mm	-	.6mm thick	1
90-25-0014	CA	Diamond	1.4mm	4	22mm	-	Round	10
90-25-0018	CA	Diamond	1.8mm	6	22mm	-	Round	10
90-25-0023	CA	Diamond	2.3mm	8	22mm	-	Round	10
92-25-0014	FG	Diamond	1.4mm	4	25mm	-	Round	10
92-25-0018	FG	Diamond	1.8mm	6	25mm	-	Round	10
92-25-0023	FG	Diamond	2.3mm	8	25mm	-	Round	10
90-44-0018	HP	Diamond	1.8mm	6	44mm	-	Round	1
90-44-0023	HP	Diamond	2.3mm	8	44mm	-	Round	1
90-50-0018	HP	Diamond	1.8mm	6	50mm	-	Round	1
90-50-0023	HP	Diamond	2.3mm	8	50mm	-	Round	1
90-50-0100	HP	Diamond	2.5mm	-	50mm	-	Round	1
90-60-0200	HP	Diamond	5mm	-	60mm	-	Round	1
90-70-0045	HP	Diamond	1.5mm	-	70mm	-	Round	1
90-70-0100	HP	Diamond	2.5mm	-	70mm	-	Round	1
90-44-0018ST	ST	Diamond	1.8mm	6	44mm	-	Round	1
90-44-0023ST	ST	Diamond	2.3mm	8	44mm	-	Round	1
90-70-0100ST	ST	Diamond	2.5mm	-	70mm	-	Round	1
90-44-0018S	SN	Diamond	1.8mm	6	44mm	-	Round	1
90-44-0023S	SN	Diamond	2.3mm	8	44mm	-	Round	1
90-50-0023S	SN	Diamond	2.3mm	8	50mm	-	Round	1

SPECIALTY

LINDEMAN BURS



KIRSCHNER BURS



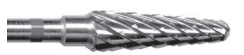
PEAR BUR



BARREL BUR



CONE BURS



THREE STEP PILOT DRILLS

Ideal for Use In Lag Screw Placement



TWO STEP PILOT DRILLS



PILOT TWIST DRILLS



CRESTOTOME BUR

Bone cutting bur to form Alveolar Ridge

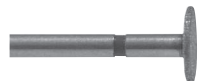


TITANIUM CUTTING BURS



DIAMOND

DIAMOND CIRCULAR SAWS



ROUND DIAMOND BURS



ROUND DIAMOND BURS



SURGICAL BURS

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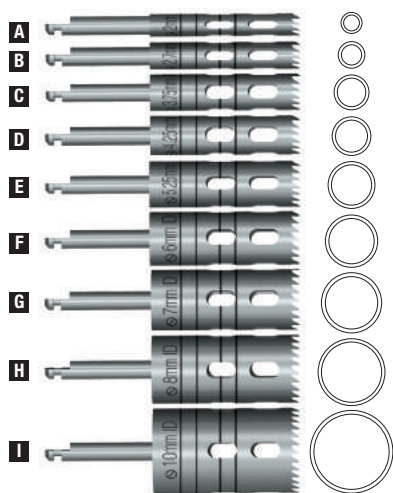
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TREPHINE BURS - CONTRA-ANGLE

- For harvesting bone in autogenous bone graft placement.
- May be used for retrieval of implants.
- Laser marked score lines.
- 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.

Item	Shank	Head			Total	Cutting	
Number	Style	Material	I.D.	O.D.	Length	Length	Markings
04-9480-01	CA	Ti	2mm	2.8mm	35mm	18.5mm	8,10,13,15,18mm
04-9480-02	CA	Ti	2.75mm	3.5mm	35mm	18.5mm	8,10,13,15,18mm
04-9482-01	CA	Ti	3.75mm	4.6mm	35mm	18.5mm	8,10,13,15,18mm
04-9482-02	CA	Ti	4.25mm	5.10mm	35mm	18.5mm	8,10,13,15,18mm
04-9484-01	CA	Ti	5.25mm	6.10mm	32mm	15.5mm	8,10,13,15mm
04-9485-01	CA	Ti	6mm	6.9mm	32mm	15.7mm	8,10,13,15mm
04-9485-02	CA	Ti	7mm	7.9mm	32mm	15.8mm	8,10,13,15mm
04-9487-01	CA	Ti	8mm	8.9mm	32mm	14mm	8,10,13mm
04-9487-02	CA	Ti	10mm	10.8mm	32mm	14mm	8,10,13mm

TREPHINE BURS – HANDPIECE

- For harvesting bone in autogenous bone graft placement.
- Laser marked score lines.
- Burs may be notched for the Stryker 100K Impaction Drill – Flat or Stepped – or J-Notched for an additional charge.
- Stryker notched burs may be used in straight Hall type handpieces.
- Manufactured from Titanium Alloy (Ti-6Al-4V ELI).

Item	Shank	Head			Total	Cutting	
Number	Style	Material	I.D.	O.D.	Length	Length	Markings
04-9492-01	HP	Ti	3.75mm	4.6mm	52mm	18.5mm	8,10,13,15,18mm
04-9492-02	HP	Ti	4.25mm	5.1mm	52mm	18.5mm	8,10,13,15,18mm
04-9495-01	HP	Ti	6mm	6.9mm	49mm	15.7mm	8,10,13,15mm

TREPHINE BURS SURGICAL KIT

- Includes the 9 Contra Angle Trephines listed above
- Includes the 3 Handpiece Trephines listed above
- Includes the ACE 2" Square Titanium Bowl and Delrin Case

M 04-94512 Trephine Burs Surgical Kit

TREPHINES USED TO RETRIEVE FAILED IMPLANTS

For Implants up to.....

3.3mm use 04-9482-01

3.5–4.0mm..... use 04-9482-02

4.5–5.0mm..... use 04-9484-01

5.0–6.0mm..... use 04-9485-01

DR. SMILER'S TREPHINE BURS – POSTERIOR

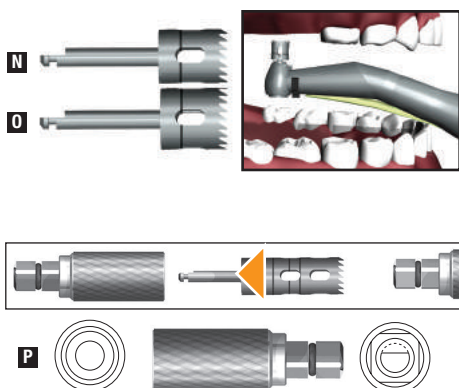
- For harvesting autogenous bone in the posterior maxillary region.
- Laser marked score line to depth.
- Manufactured from Titanium Alloy (Ti-6Al-4V ELI).

Item	Shank	Head			Total	Cutting	
Number	Style	Material	I.D.	O.D.	Length	Length	Markings
04-9486-01	CA	Ti	6mm	6.9mm	23mm	6.75mm	6mm
04-9486-02	CA	Ti	7mm	7.9mm	23mm	6.75mm	6mm

LATCH TO SQUARE DRIVER CONVERTER

- Secures and locks contra shaft for hand or ratchet drive

P 20-1554-11 Latch-to-Square Driver Converter, 14mm long



easyretrieve

Two-Piece Trephine Burs

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

The Trephine System comes apart after harvesting to allow easy access to the retrieved bone core.

EasyRetrieve Basic Kit

049-4510 Two Piece Trephine Kit w/Drill Guide

EasyRetrieve Basic Kit Components

04-9410-01	Contra Angle Driver Shaft
04-9579-01	2.0mm CA Pilot Drill Bur
20-1510-01	Installation & Removal Tool, 1.25mm Hex
20-1554-11	CA Ratchet Extension/Hand Driver Tool
04-9413-01	Two Piece Trephine Knurled Holder
04-9412-02	Two Piece Bone Removal Tool
04-9418-01	Bone Core Separator Tool, 4.5" length
96-004-49	Square Titanium Bowl
04-9411-08	22mm Drill Guide (for 4.25 I.D. & smaller)
04-9411-09	23mm Drill Guide (for 3.5 I.D. & larger)
20-1950-13	Delrin Tray

You Choose 2 trephines that best fit your needs (with Kit purchase)

No Charge No Charge

EasyRetrieve Positive Depth Stop Kit

- Inserts securely into trephine
- Stops Trephine advancement at predetermined Depths

04-9411-00 Positive Stop Depth Guide, Set of 4, 4-6-8-10mm

Additional EasyRetrieve Positive Depth Stop Pins

04-9411-04	15mm Positive Depth Stop Pin
04-9411-03	13mm Positive Depth Stop Pin
04-9411-05	2mm Positive Depth Stop Pin

EasyRetrieve 2mm Trephine: Specially Designed for Clinical Case Evaluation and Research Studies

- Used to retrieve quick and easy cores for clinical research and studies

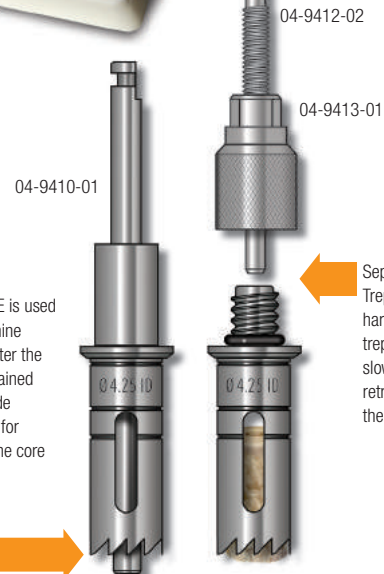
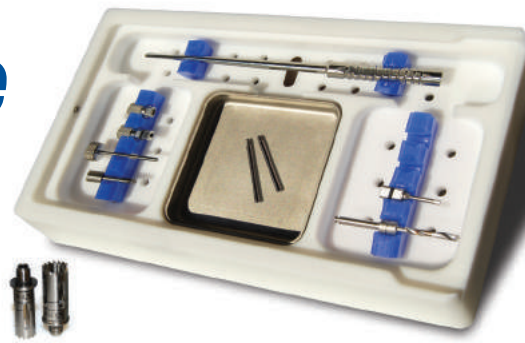
04-9420-01 2.0mm I.D. 2.8mm O.D. 8-10-13-15 (head only)

EasyRetrieve Dr. Langer Sinus Lift Procedure used for Implant Placement

- Use the EasyRetrieve Basic Kit with appropriate implant bone taps:

04-9560-01	3.75mm Bone Tap w/Contra Angle Shank
04-9550-01	4.75mm Bone Tap w/Contra Angle Shank

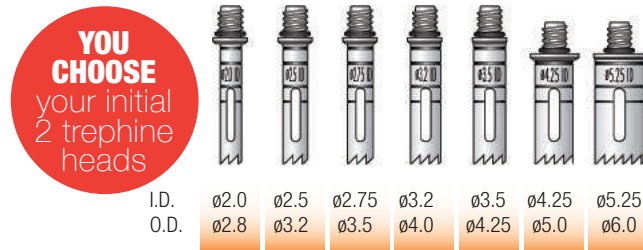
See the ACE website for more details on this unique surgical procedure.



The DRILL GUIDE is used to start the trephine into the bone. After the bone core is obtained the trephine blade is disassembled for EasyRetrieve bone core harvesting.

Separate the Two-Piece Trephine to remove the harvested core from the trephine. A unique tool slowly and controllably retrieves the core from the trephine.

EasyRetrieve Available Trephine Heads



EasyRetrieve Trephines

Item number	I.D.	O.D.	Laser Markings
04-9420-01	2.0mm	2.8mm	8-10-13-15 (head only)
04-9420-02	2.5mm	3.2mm	8-10-13-15 (head only)
04-9420-03	2.75mm	3.5mm	8-10-13-15 (head only)
04-9420-04	3.2mm	4.0mm	8-10-13-15 (head only)
04-9420-05	3.5mm	4.25mm	8-10-13-15 (head only)
04-9422-01	4.25mm	5.0mm	8-10-13 (head only)
04-9422-02	5.25mm	6.0mm	8-10-13 (head only)

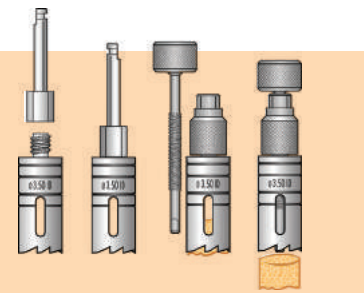
Patent Pending.

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

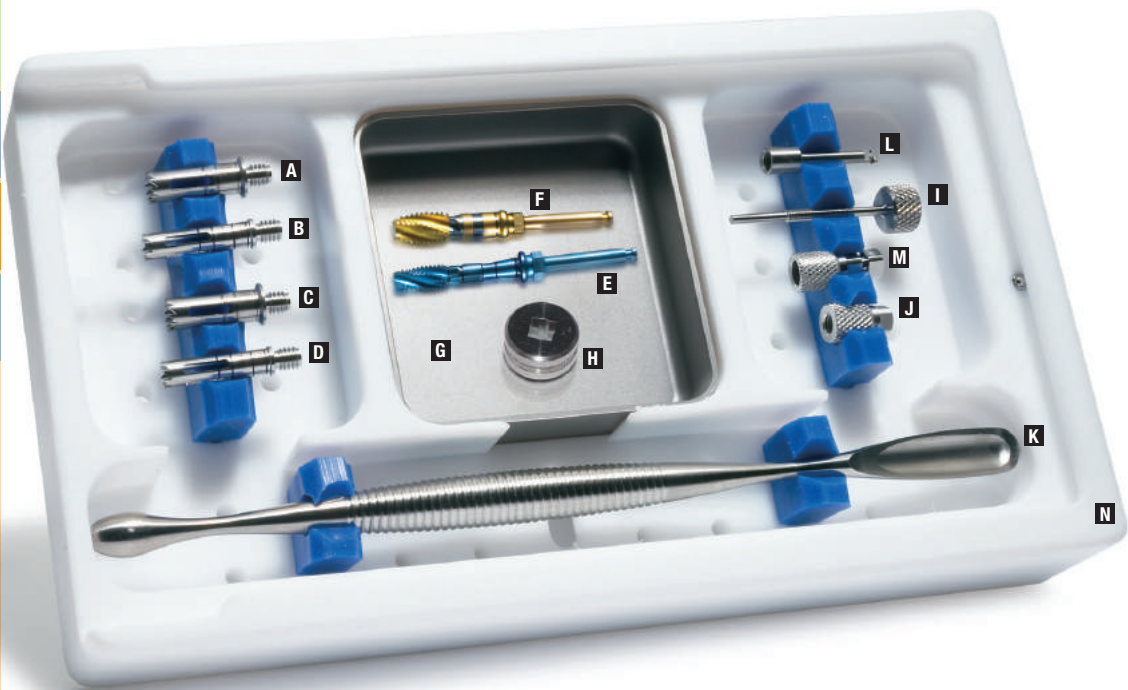
TWO PIECES ARE BETTER THAN ONE WITH THE ACE EASYRETRIEVE TWO-PIECE TREPHINE BUR SYSTEM

The EasyRetrieve Two-Piece Trephine Bur system is another 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. With the included

removal tool, the bone core is slowly, and controllably, removed from the trephine. This collected bone can then be processed and reused later in the procedure to promote bone regeneration.



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**DR. BURTON LANGER, DMD
INTERNAL SINUS LIFT KIT**

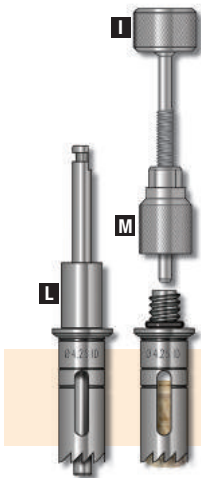
Number Description

Trephine I.D.

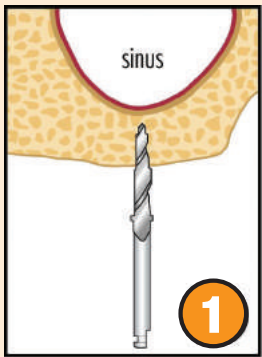


Kit Includes:

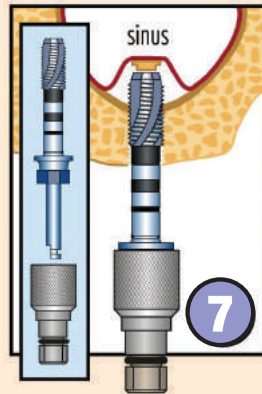
A	04-9420-02	2.5mm I.D. Trephine	(head only)
B	04-9420-04	3.2mm I.D. Trephine	(head only)
C	04-9420-05	3.5mm I.D. Trephine	(head only)
D	04-9422-01	4.25mm I.D. Trephine	(head only)
E	04-9560-01	3.75mm Bone Tap w/Contra Angle Shank	
F	04-9550-01	4.75mm Bone Tap w/Contra Angle Shank	
G	96-004-49	Square Titanium Bowl 50x50mm	
H	20-1550-01	Thumb Knob for Hex Driver	
I	04-9412-02	Two-Piece Trephine Bone Removal Tool	
J	04-9413-01	Two-Piece Trephine Knurled Holder	
K	10-002-16	Implant Curette, 5x10mm & 6x20mm Cups	
L	04-9410-01	Contra Angle Driver Shaft	
M	20-1554-11	Ratchet Extension, Contra Angle Connector	
N	20-1950-11	Delrin Tray and Lid	



See pages 42 and 43 for a more complete trephine selection



Initiate the osteotomy with a standard bur by drilling through the cortical plate about 1-1.5mm from the sinus floor. If possible, collect all autogenous bone off the bur for grafting.



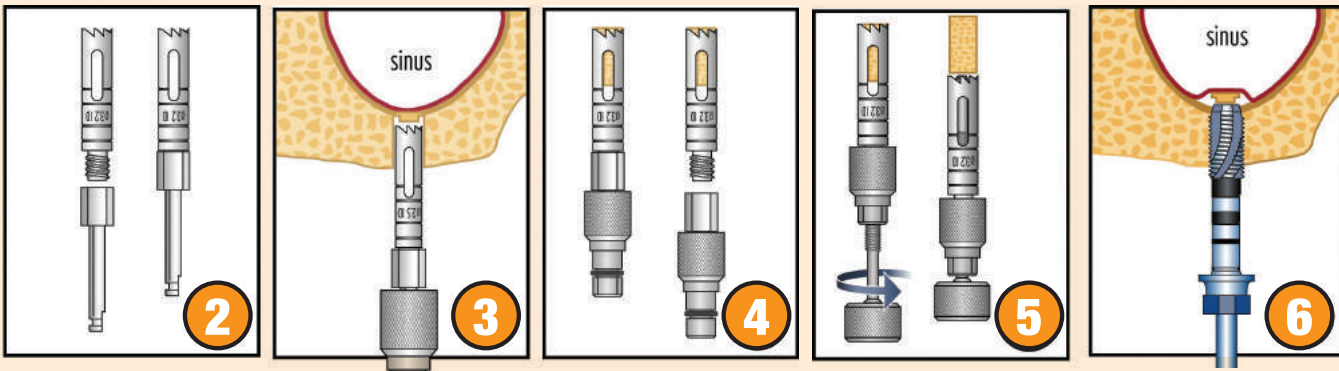
Connect the hand drive contra-angle latch converter to the tap and slowly rotate the bone tap by hand to gently push the sinus floor upward.

**HARVESTING
ADDITIONAL
BONE FOR
GRAFTING**

If additional bone is needed for grafting of the sinus area, the Langer two-piece trephines can be used in a secondary harvesting site.

INTERNAL SINUS LIFT PROCEDURE UTILIZING TWO-PIECE TREPHINE

developed by Dr. Burton Langer, DMD



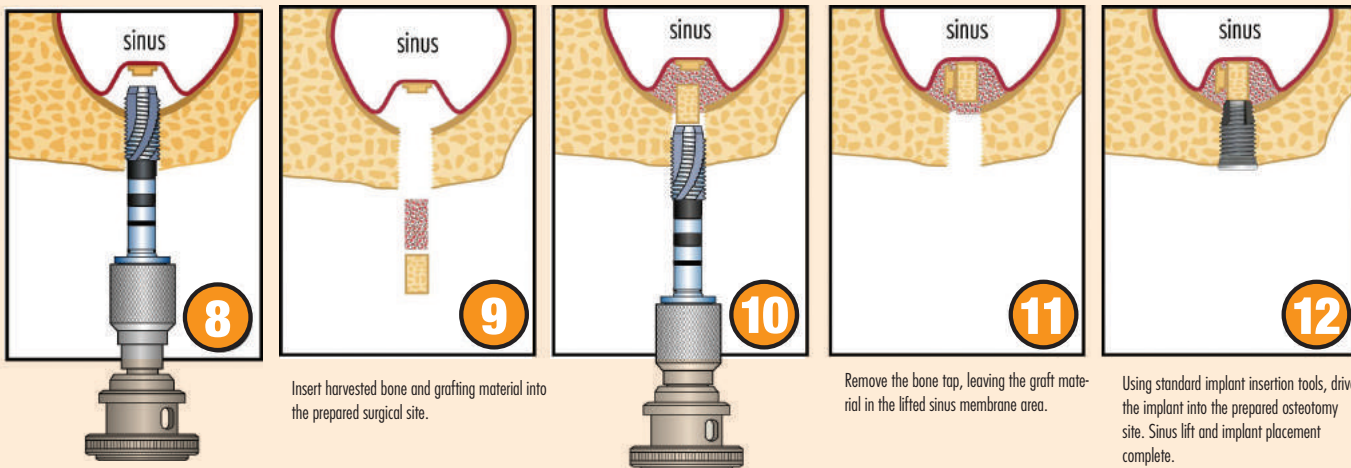
Assemble the two-piece trephine (2.5mm ID/3.2mm OD) with the drill shank by rotating it in a clockwise direction. Only finger tightening is necessary.

To assist in weakening the sinus floor and obtaining a trephine bone plug for grafting, drill the trephine bur into the osteotomy within 1mm of the sinus membrane. This can be done with a handpiece or by hand with a ratchet converter (20-1554-11).

Once harvest is obtained, disconnect the contra-angle shaft from the trephine blade. Use the hand drive latch converter (20-1554-11) to assist in unscrewing the shank from the blade.

Assemble the thread converter over the trephine blade. Thread the harvesting plunger into the thread converter to push the graft out of the trephine blade. Harvested bone plug remains in its full form.

Use 3.75 or 4.0mm bone tap to prepare the osteotomy with a handpiece. Once the bone on the sinus floor is felt, disconnect the handpiece.



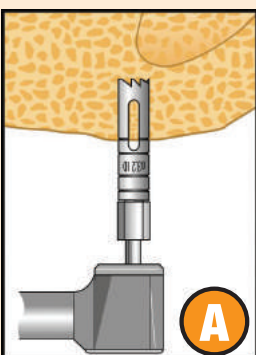
To assist with the rotational insertion of the bone tap, a hand square driver (20-1680-01) can be assembled over the hand tool converter (20-1554-11). Using the hand driver over the bone tap, slowly rotate the bone tap until the desired movement of the sinus floor is achieved.

Insert harvested bone and grafting material into the prepared surgical site.

By hand, insert the graft material into the lifted sinus membrane using the bone tap to drive it into place.

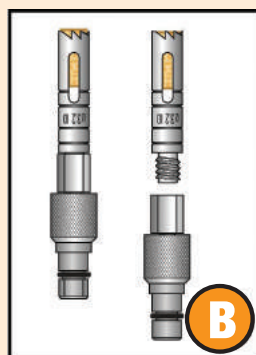
Remove the bone tap, leaving the graft material in the lifted sinus membrane area.

Using standard implant insertion tools, drive the implant into the prepared osteotomy site. Sinus lift and implant placement complete.

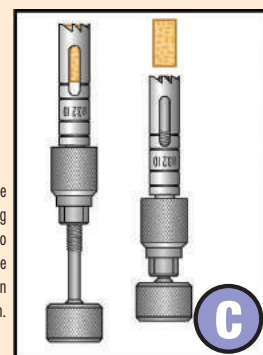


Harvest bone from a grafting site using standard trephine harvesting procedures.

Once harvest is obtained, disconnect the contra angle shaft from the trephine blade. Use the hand drive latch converter (20-1554-11) to assist in unscrewing the shank from the blade.



Assemble the thread converter over the trephine blade. Thread the harvesting plunger into the thread converter to push the graft out of the trephine blade. Harvested bone plug remains in its full form.



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DRILL, BUR AND TREPHINE TRAY

- Ideal autoclavable carry case for drill, tissue punches and trephine burs.
- Holds 6 instruments up to 33mm total length.

A	09-99-1006 Teflon Tray, Holds 6 up to 33mm in length	3-1/2" (8.5cm)
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BUR BRUSHES

B	00-20-0106 Stainless Steel, 5-1/4" (13.5cm)	
C	00-99-1000 Stainless Steel, 2-1/2" (60mm)	
D	603-9015 Cleaning Brush, Nylon Bristles, 7" (18cm)	3/pkg
E	603-9016 Cleaning Brush, Stainless Steel Bristles, 7" (18cm)	3/pkg



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SUTURES 6

ACE Sutures

ACE PGA Sutures

ACE PGA-Rapid Absorbing* Sutures

ACE PTFE Sutures



**ACE SUTURES**

Item #	Size	Description	Needle	In.	Qty.	Comparable to ETHICON		Comparable to LOOK	
						Suture	Needle	Suture	Needle
003-2487	3-0	Black Braided Silk	DS18	18"	12	2772	FS2	784B	C6
003-2488	3-0	Black Braided Silk	HS24	18"	12	632G	X1	785B	C31
003-2486	3-0	Black Braided Silk	HS16	18"	12	7762	X8	-	-
003-2491	3-0	Black Braided Silk	DS24	18"	12	684G	FS1	786B	C7
003-2489	4-0	Black Braided Silk	DS18	18"	12	683G	FS2	-	-
003-2492	4-0	Black Braided Silk	DSM13	18"	12	641G	P3	-	-
003-2479	5-0	Black Braided Silk	DSM13	18"	12	-	-	-	-
003-2500	5-0	Green Braided Poly.	HRT17	18"	12	7773	V5	797B	Y5
003-2460	5-0	Black Mono Nylon	DS12	10"	12	-	C2	913B	C17
003-2461	6-0	Black Mono Nylon	DS12	10"	12	-	C2	911B	C17
003-2501	5-0	Polyprop. Blue Mono.	DSM13	18"	12	8698G	P3	-	C3

ACE PGA SUTURES EQUIVALENT TO VICRYL®**

Item #	Size	Description	Needle	In.	Qty.
003-3930	3-0	Violet Braided PGA Coated	DS18	18"	12/box
003-3920	4-0	Violet Braided PGA Coated	DS18	18"	12/box
003-4640	4-0	Violet Braided PGA Coated	DSM13	18"	12/box
003-4630	5-0	Violet Braided PGA Coated	DSM13	18"	12/box
003-4220	4-0	Undyed Braided PGA Coated	DS18	27"	12/box
003-4960	4-0	Undyed Braided PGA Coated	DSM18	18"	12/box
003-0494	4-0	Undyed Braided PGA Coated	DSM13	18"	12/box
003-4930	5-0	Undyed Braided PGA Coated	DSM13	18"	12/box
003-0492	6-0	Undyed Braided PGA Coated	DSM13	18"	12/box

ACE PGA-RAPID ABSORBING* SUTURES EQUIVALENT TO VICRYL RAPIDE®**

Item #	Size	Description	Needle	In.	Qty.
003-9907	3-0	Undyed Braided PGA-RA	DSM18	18"	12/box
003-9906	4-0	Undyed Braided PGA-RA	DSM18	18"	12/box
003-9900	4-0	Undyed Braided PGA-RA	HR17 (Taper)	27"	12/box
003-9904	5-0	Undyed Braided PGA-RA	DSM13	18"	12/box

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

**Vicryl® and Vicryl Rapide® are Registered Trademarks of Ethicon, Inc.

ACE PTFE SUTURES

Item #	Size	Description	Comparable Needle	In.	Qty.
430-12-4020	2.0	PTFE Suture - 3/8 circle, 19mm - Reverse Cutting	FS-2	18"	12/box
430-12-4030	3.0	PTFE Suture - 3/8 circle, 19mm - Reverse Cutting	FS-2	18"	12/box
430-12-4031	3.0	PTFE Suture - 3/8 circle, 16mm - Reverse Cutting	FS-3	18"	12/box
430-12-4032	3.0	PTFE Suture - 1/2 circle, 13mm - Reverse Cutting	M1	18"	12/box
430-12-4040	4.0	PTFE Suture - 3/8 circle, 16mm - Reverse Cutting	FS3	18"	12/box
430-12-4041	4.0	PTFE Suture - 3/8 circle, 13mm - Reverse Cutting	C2	18"	12/box
430-12-4042	4.0	PTFE Suture - 1/2 circle, 13mm - Round Diamond Point	TF	18"	12/box
430-12-4043	4.0	PTFE Suture - 3/8 circle, 19mm - Reverse Cutting	FS2	18"	12/box
430-12-4050	5.0	PTFE Suture - 1/2 circle, 17mm - Reverse Cutting	C19	18"	12/box
430-12-4051	5.0	PTFE Suture - 3/8 circle, 12mm - Reverse Cutting	C2	18"	12/box
430-12-4052	5.0	PTFE Suture - 1/2 circle, 13mm - Round Diamond Point	RB1	18"	12/box
430-12-4060	6.0	PTFE Suture - 3/8 circle, 11mm - Reverse Cutting	P1	18"	12/box
430-12-4061	6.0	PTFE Suture - 1/2 circle, 10mm - Round Diamond Point	TF	18"	12/box
430-12-4062	6.0	PTFE Suture - 3/8 circle, 10mm - Reverse Cutting	C2	18"	12/box

**REVERSE CUTTING NEEDLES****3/8 Circle**

DS18(FS-2)

DS24(FS-1)

DSM13(P3)

DSM18(PS2)

DS12(C-2)

1/2 Circle

HS24(X-1)

HS16(X-8)

TAPER POINT NEEDLES**1/2 Circle**

HR17(V-5)

T4(SH-1)

T28(RB1)

REVERSE CUTTING NEEDLES**3/8 Circle**

FS-3

FS-2

C-2

P1

1/2 Circle

M-1

C-19

ROUND DIAMOND NEEDLES**1/2 Circle**

TF

RB-1



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