

# Site Preparation Osteotomes

## Instrumentation



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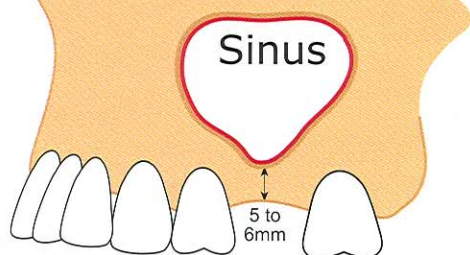
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**ACE**  
ACE SURGICAL SUPPLY CO.

# Site Preparation for ACE Implant

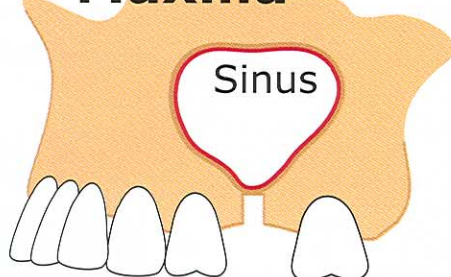
(3.3mm diameter is shown)

## 1 Maxilla



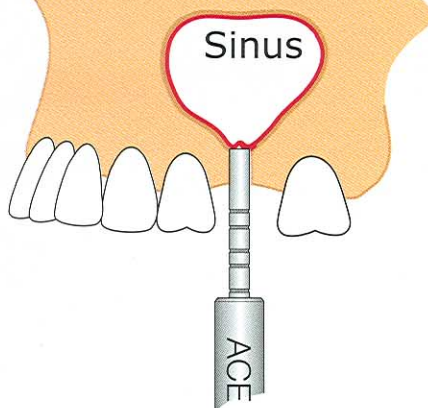
A minimum of 5-6mm of bone is needed between the alveolar crest and the maxillary sinus floor.

## 2 Maxilla



Prepare implant site up to the Sinus Floor with pilot step osteotomes or burs to the  $\phi 2.8\text{mm}$ .

## 3 Maxilla



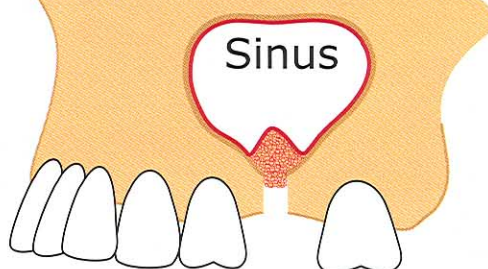
Insert the  $\phi 2.8\text{mm}$  straight Implant Sinus Lift Osteotome until it reaches the Sinus Floor.

Secure the Implant Osteotome with a tight finger control to limit vertical movement.

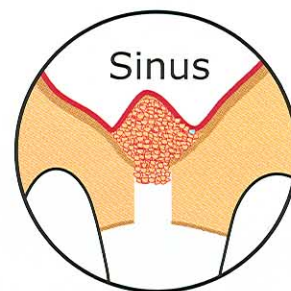
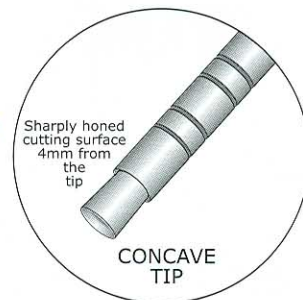
Small tap to crack the Sinus Floor elevating the Sinus Floor and Schneiderian Membrane in "Trap Door Fashion."

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.

## 4 Maxilla

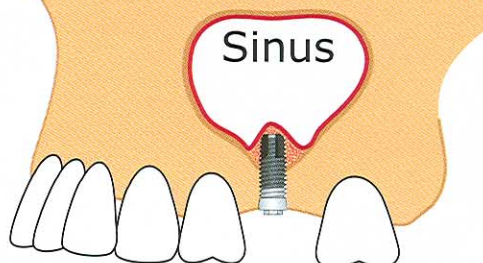


The site is now prepared for inserting a 3.3mm ACE Screw-Type Dental Implant. For larger sized implant sizes and styles additional step and final osteotomes are used. As required, autogenous bone or bone graft mix can be added to the osteotomy. The ACE Autograft<sup>TM</sup> can be used to obtain an autogenous bone graft mix.



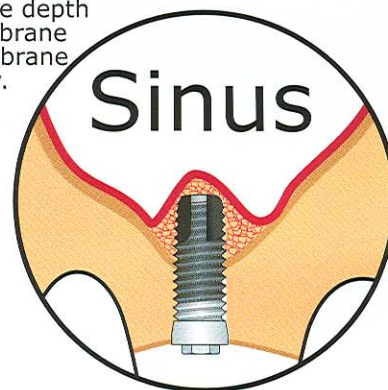
Collected Autogenous Bone pushed superiorly into the newly created space.

## 5 Maxilla



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

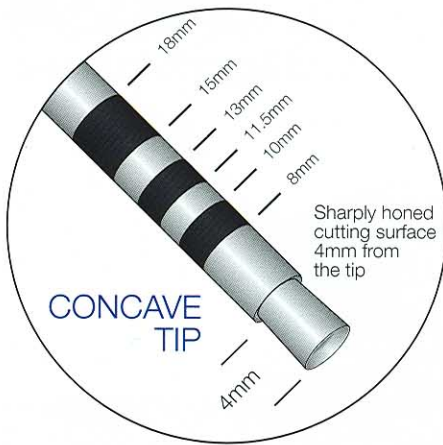
**For Larger Diameter Implants**  
(3.75, 4.0, 4.75mm Self-Tapping): Increase the diameter of the osteotomy using the appropriate step and final osteotomes.



## An Alternative Method for Implant Site Preparation

## Straight, Cutting, Stepped

## Osteotomes



454-5001 1.6mm/2.0mm Step



454-5101 2.0mm/2.8mm Step



454-5201 2.8mm/3.3mm Step



454-6001 3.3mm/4.0mm Step



454-6101 4.0mm/4.35mm Step

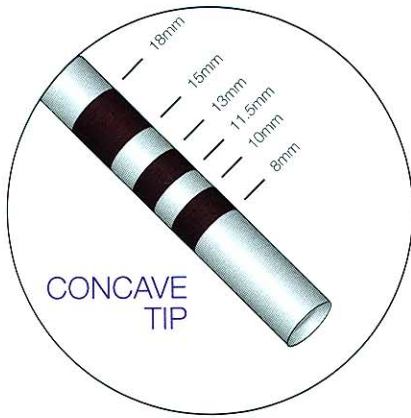


454-6301 4.35mm/5.0mm Step



454-6701 5.0mm/5.4mm Step (Not Included In Kit)

## *Straight, Final, Non-Stepped* **Osteotomes**



454-5701 2.8mm Straight Final



454-5301 3.3mm Straight Final



454-5401 4.0mm Straight Final



454-6201 4.35mm Straight Final



454-6401 5.0mm Straight Final



454-6801 5.4mm Straight Final (Not Included In Kit)

## Sinus Lift Osteotome Kit



For placement of implants using the ACE Osteotome technique request a copy of our CD-ROM



### 454-5000 Set Of 11 Osteotomes

#### *Sinus Lift Osteotomes Step*

454-5001 1.6mm/2.0mm Step

454-5101 2.0mm/2.8mm Step

454-5201 2.8mm/3.3mm Step

454-6001 3.3mm/4.0mm Step

454-6101 4.0mm /4.35mm Step

454-6301 4.35mm/5.0mm Step

#### *Sinus Lift Osteotomes Final*

454-5701 2.8mm Final

454-5301 3.3mm Final

454-5401 4.0mm Final

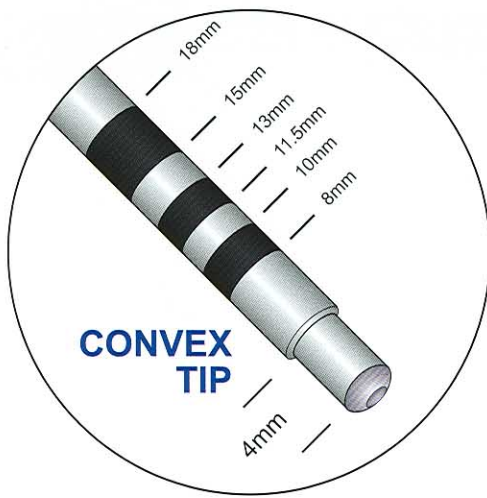
454-6201 4.35mm Final

454-6401 5.0mm Final

Tray Included

All osteotomes may be purchased separately  
Tray may be purchased separately (765-1060)

# *Straight, Non-Cutting, Stepped* **Dilators**



454-3001 1.6mm/2.0mm Step



454-3101 2.0mm/2.8mm Step



454-3201 2.8mm/3.3mm Step



454-4001 3.3mm/4.0mm Step



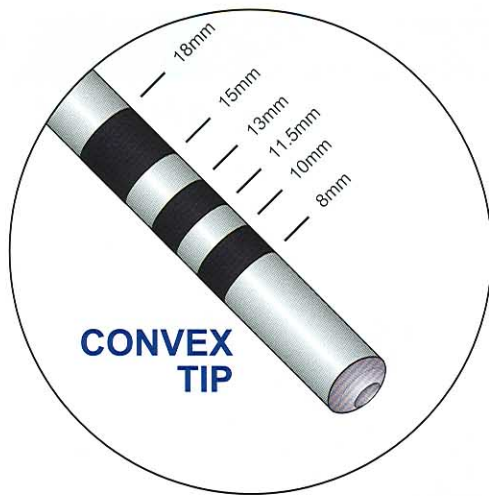
454-4101 4.0mm/4.35mm Step



454-4301 4.35mm/5.0mm Step

*Straight, Non-Cutting, Final*

## Dilators



454-3701 2.8mm Final



454-3301 3.3mm Final



454-3401 4.0mm Final



454-4201 4.35mm Final



454-4401 5.0mm Final



**454-3000 Set Of 11 Dilators**

***Site Dilating Osteotomes Step***

454-3001 1.6mm/2.0mm Step

454-3101 2.0mm/2.8mm Step

454-3201 2.8mm/3.3mm Step

454-4001 3.3mm/4.0mm Step

454-4101 4.0mm /4.35mm Step

454-4301 4.35mm/5.0mm Step

***Site Dilating Osteotomes Final***

454-3701 2.8mm Final

454-3301 3.3mm Final

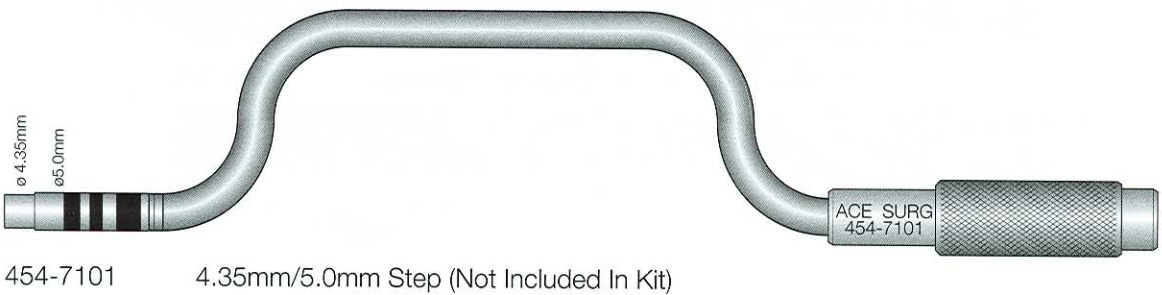
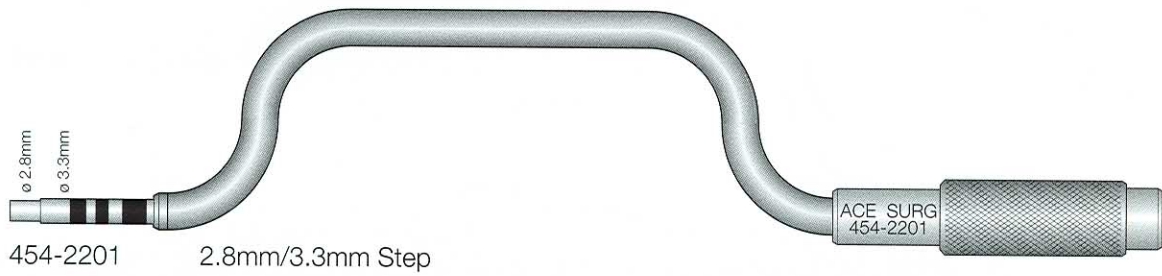
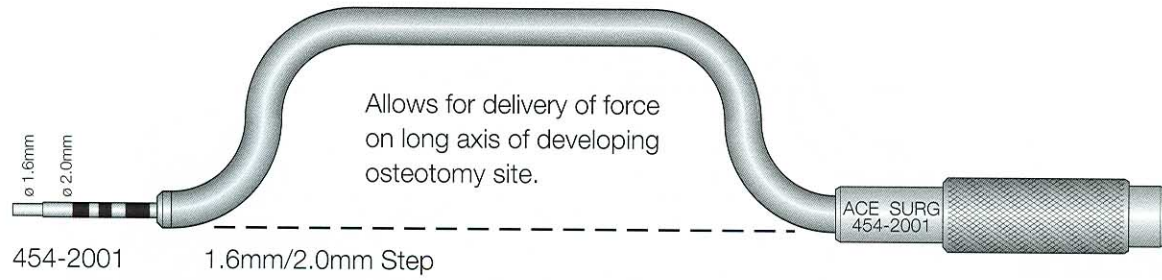
454-3401 4.0mm Final

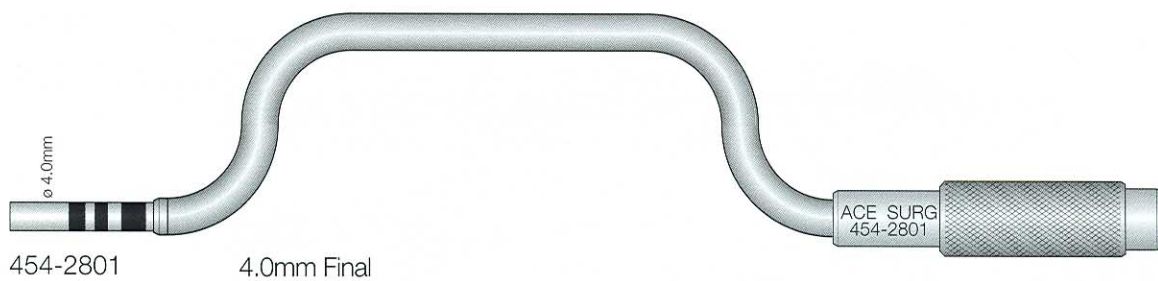
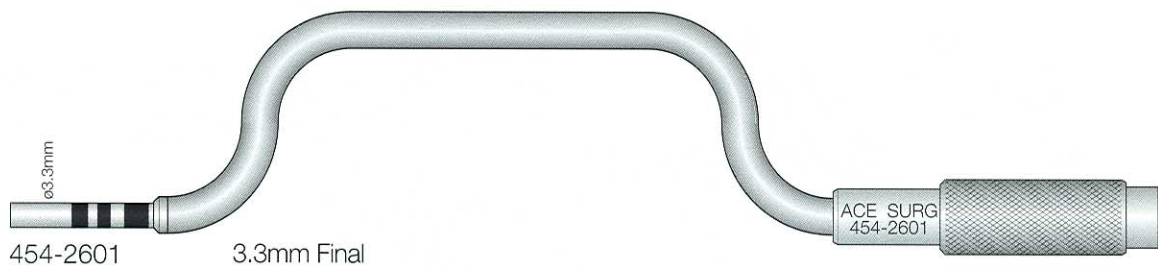
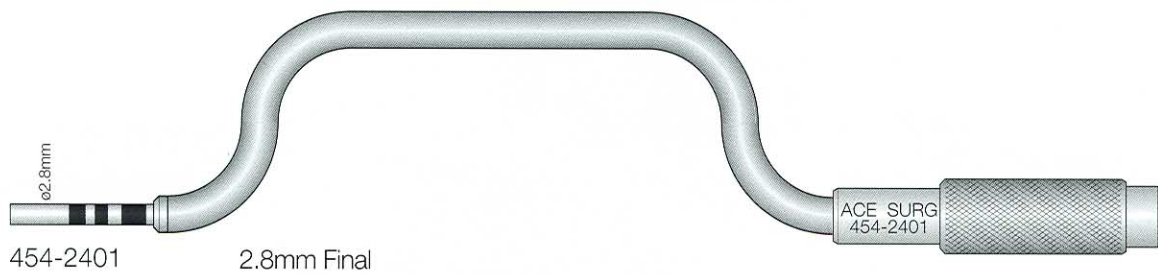
454-4201 4.35mm Final

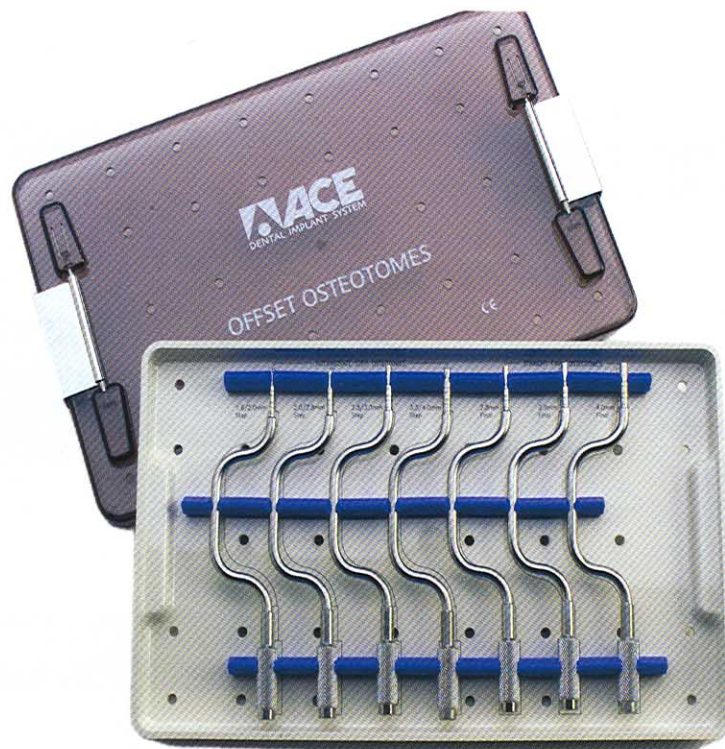
454-4401 5.0mm Final

Tray Included

All dilators may be purchased separately  
Tray may be purchased separately (765-1055)







**454-2000 Set Of 7 Osteotomes**

***Sinus Lift Osteotomes Step***

**454-2001 1.6mm/2.0mm Step**

**454-2101 2.0mm/2.8mm Step**

**454-2201 2.8mm/3.3mm Step**

**454-2301 3.3mm/4.0mm Step**

***Sinus Lift Osteotomes Final***

**454-2401 2.8mm Final**

**454-2601 3.3mm Final**

**454-2801 4.0mm Final**

**Tray Included**

**All osteotomes may be purchased separately  
Tray may be purchased separately (765-1080)**

# Ridge Splitting Chisels

## Chisels



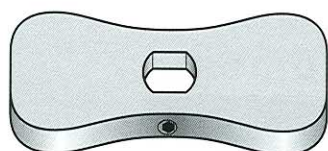
454-4701 3.0mm width



454-4801 4.0mm width



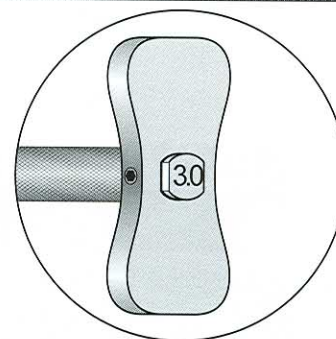
454-4901 5.0mm width



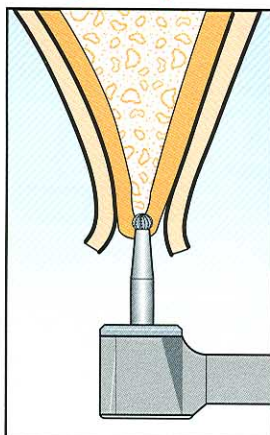
454-1501 Ridge Chisel Handle

Handle for torquing  
segment  
in expansion

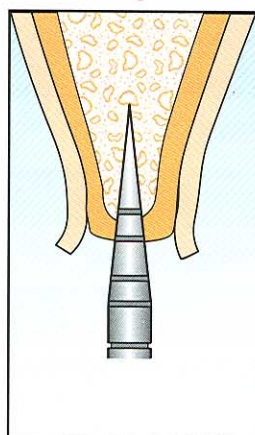
Use 1.25mm Hex Driver  
for set screw



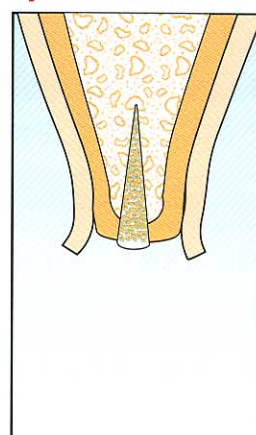
## Ridge Splitting Technique For Implant Placement



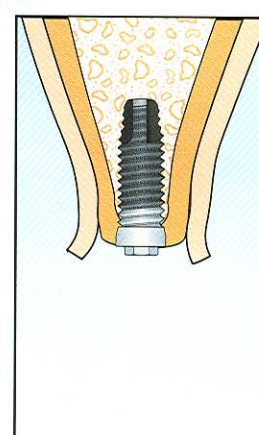
1 Start groove with round bur (11-26-0020).



2 Widen with RidgeExpander in sequence. Bone cortex will expand to desired width and green-stick fracture.



3 Fill expanded areas with autogenous bone or bone graft mix. The ACE Autograft<sup>TM</sup> can be used to obtain an autogenous bone graft mix.



4 Place implant in usual manner



Ask us about our CD-ROM on  
Ridge Splitting Techniques

## Ridge Chisel Kit



### 454-4700 Set Of 3 Ridge Chisels

#### *Ridge Expanding Chisels*

454-4701 3.0mm Ridge Chisel

454-4801 4.0mm Ridge Chisel

454-4901 5.0mm Ridge Chisel

454-1501 Chisel Handle

Tray Included

All chisels may be purchased separately  
Tray may be purchased separately (765-1090)

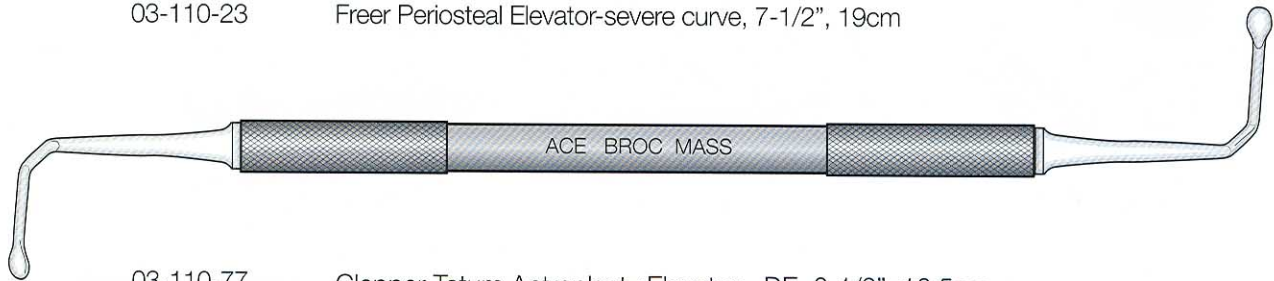
## Sinus Lift Instruments



03-110-88 Shepherd Sinus Lift Retractor, 7", 18cm



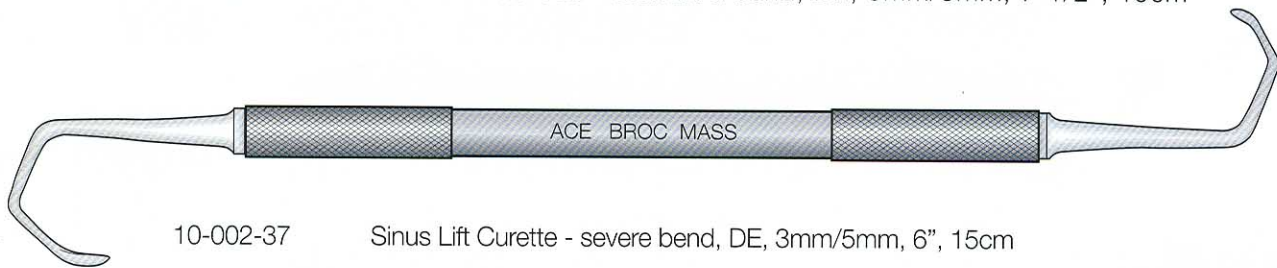
03-110-23 Freer Periosteal Elevator-severe curve, 7-1/2", 19cm



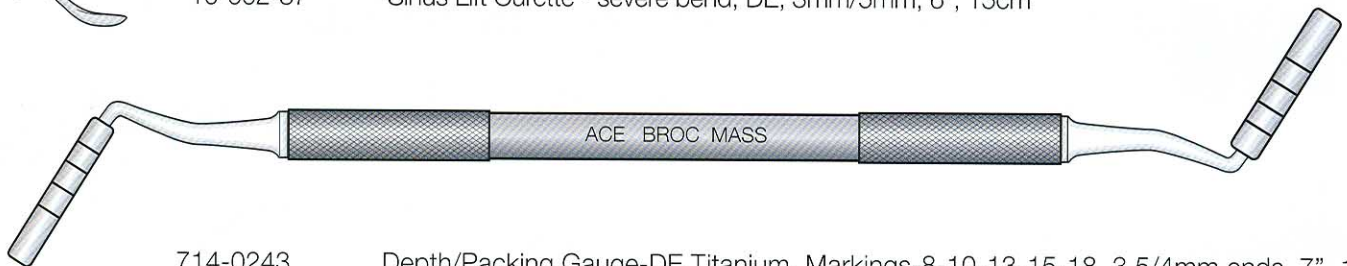
03-110-77 Clepper Tatum Antraplasty Elevator - DE, 6-1/2", 16.5cm



10-002-36 Sinus Lift Curette - standard bend, DE, 3mm/5mm, 7-1/2", 19cm

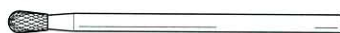


10-002-37 Sinus Lift Curette - severe bend, DE, 3mm/5mm, 6", 15cm



714-0243 Depth/Packing Gauge-DE, Titanium, Markings-8-10-13-15-18, 3.5/4mm ends, 7", 18cm,

### Accessory



00-45-0028 Sinus Lift Egg Bur-TL=45mm, HD=2.8mm, CL=5mm, Cross Cut



**003-4194 Sinus Lift Kit**

***Sinus Lift Kit***

**03-110-88 Shepherd Sinus Lift Retractor**

**03-110-23 Freer Periosteal Elevator-Severe Curve**

**03-110-77 Clepper Tatum Antralplasty Elevator**

**10-002-36 Sinus Lift Curette-Standard Bend**

**10-002-37 Sinus Lift Curette-Severe Bend**

**714-0243 Depth Packing Gauge (Titanium)**

*Tray Included*

*All instruments may be purchased separately*



***Shepherd Sinus Lift  
Retractor in use.***

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