

Diagnostic

Periodontal

Extraction

Surgical

Endodontic

Restorative

Orthodontic

Cassettes

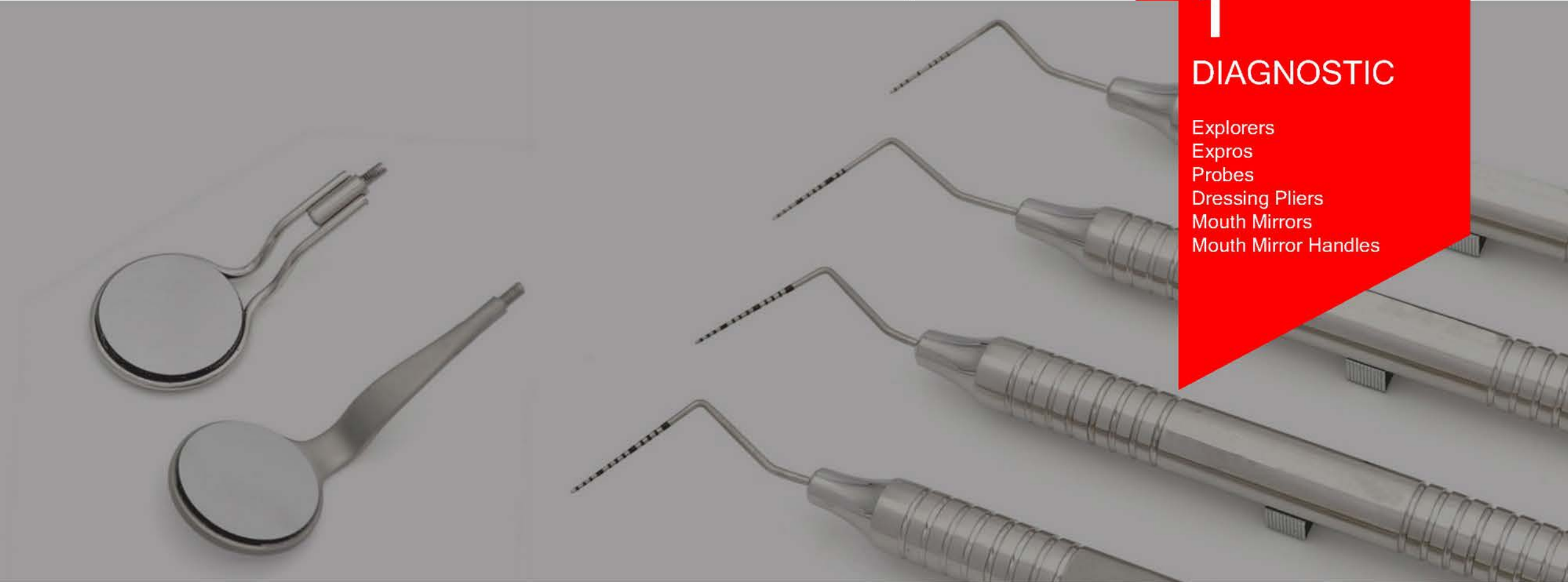


PRODUCT CATALOG

1

DIAGNOSTIC

Explorers
Expros
Probes
Dressing Pliers
Mouth Mirrors
Mouth Mirror Handles



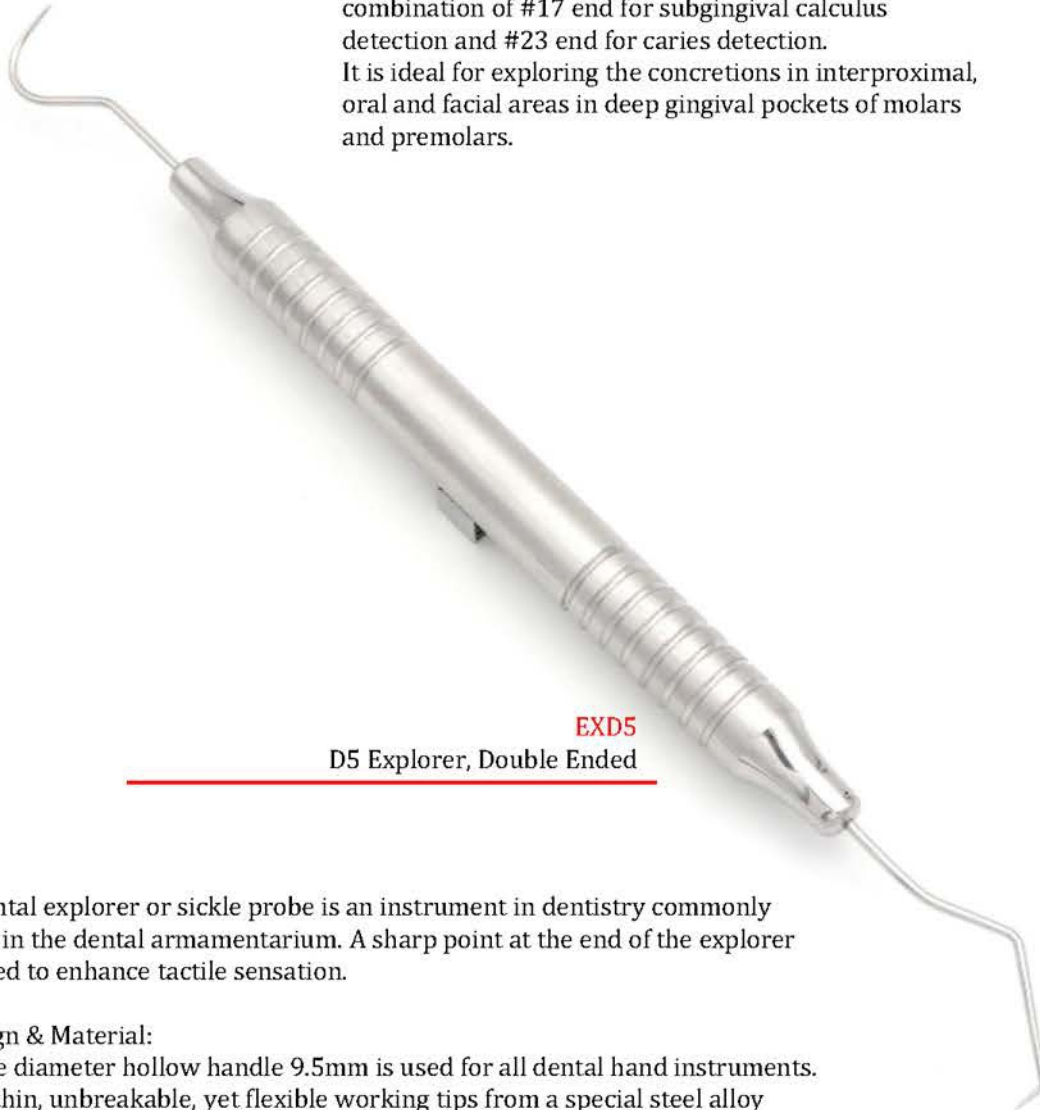
DIAGNOSTIC

Explorers - Single Ended



Explorers - Double Ended

#5 explorer or #17/23 double ended explorer is a combination of #17 end for subgingival calculus detection and #23 end for caries detection. It is ideal for exploring the concretions in interproximal, oral and facial areas in deep gingival pockets of molars and premolars.



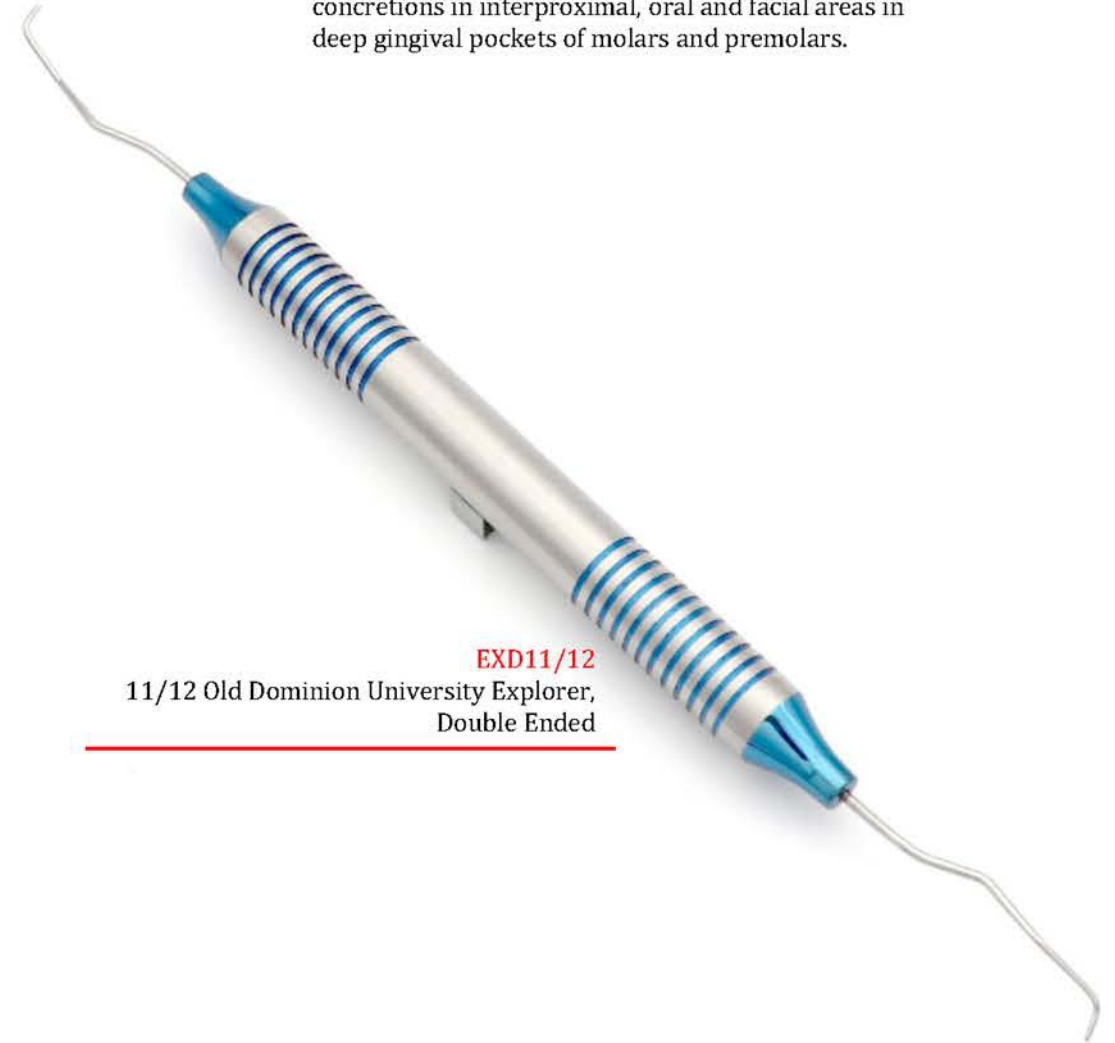
EXD5
D5 Explorer, Double Ended

A dental explorer or sickle probe is an instrument in dentistry commonly used in the dental armamentarium. A sharp point at the end of the explorer is used to enhance tactile sensation.

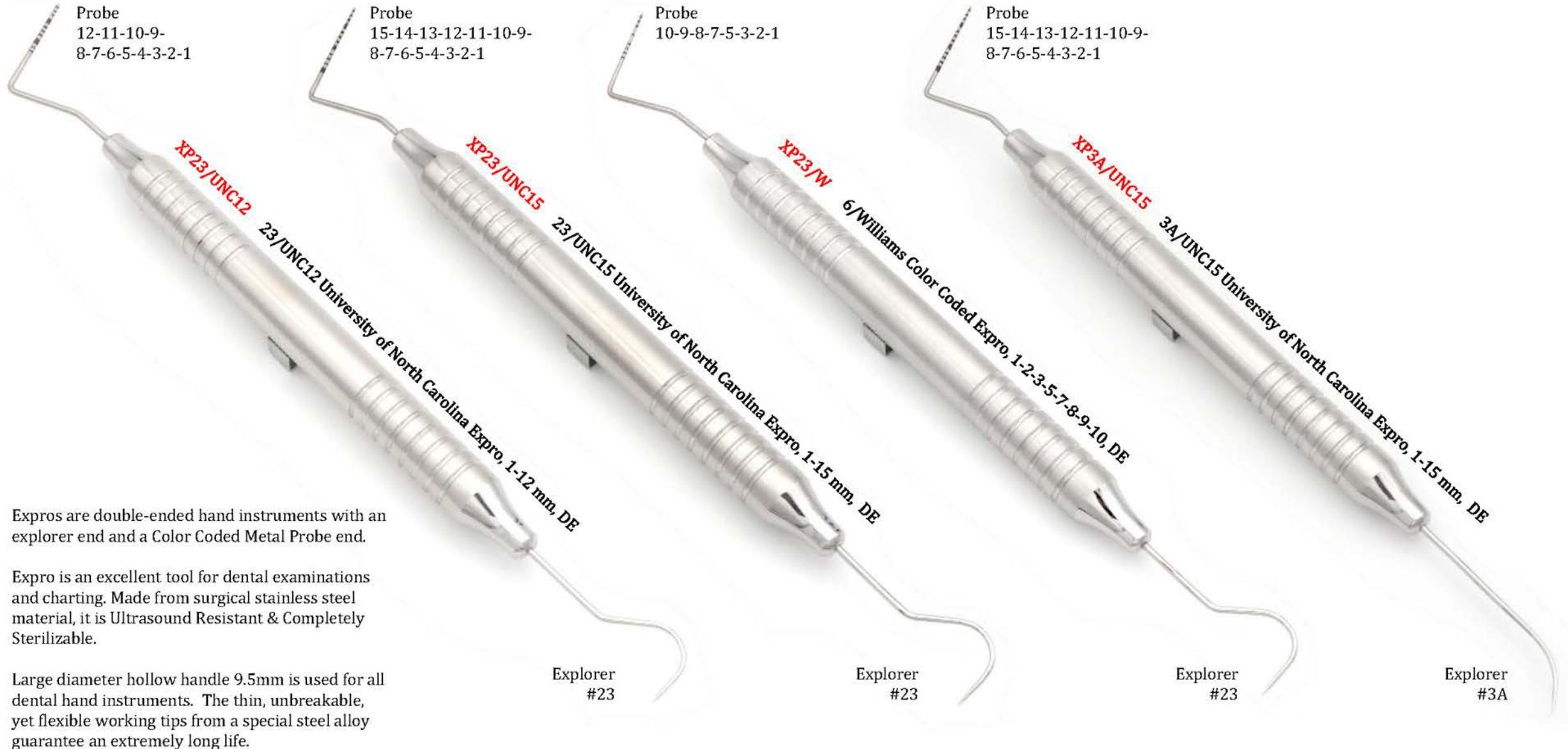
Design & Material:

Large diameter hollow handle 9.5mm is used for all dental hand instruments. The thin, unbreakable, yet flexible working tips from a special steel alloy guarantee an extremely long life. Surgical stainless steel material is used. It is ultrasound resistant & completely sterilizable

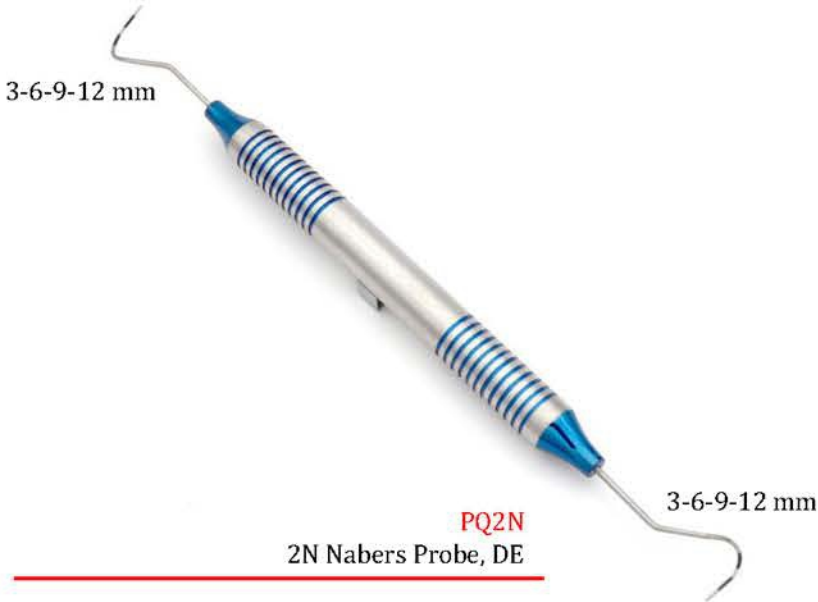
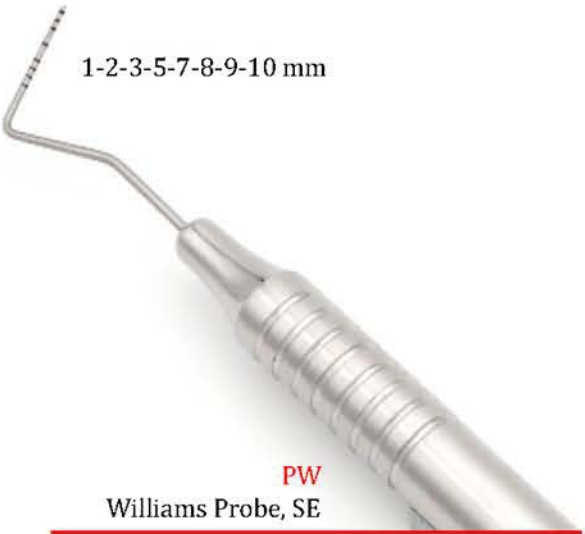
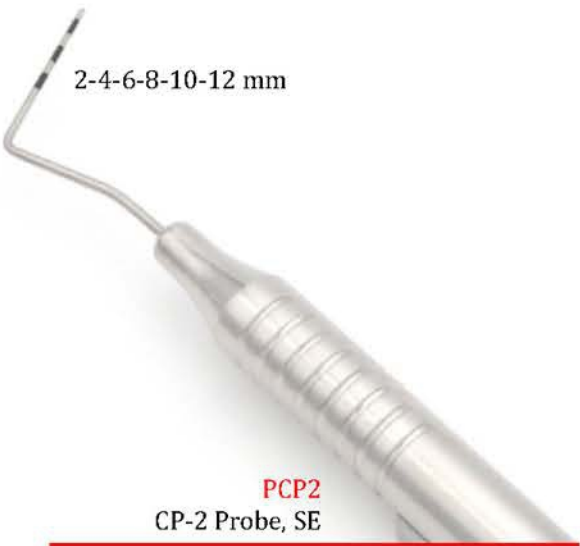
11/12 Explorer also known as 11/12 Old Dominion University explorer, is ideal for exploring the concretions in interproximal, oral and facial areas in deep gingival pockets of molars and premolars.



EXD11/12
11/12 Old Dominion University Explorer,
Double Ended



Probes - Metal Probes



Dressing Pliers

Dressing Pliers are used to grip or transfer materials in and out of the oral cavity. All dressing pliers are made of heavy-gauge, heat-treated stainless steel to prevent tip bending and misalignment, in addition to being resistant to corrosion.

These dressing pliers features a serrated tip that provides a positive grip & also available with a locking mechanism.

The most commonly used dental dressing pliers are College dressing pliers (DP2 & DP2L) and Meriam dressing pliers (DP18 & DP18L). The total instrument length of these pliers is 16cm with 1mm tip width. Surgical stainless steel material is completely sterilisable.

In addition to these Perry Dressing Plier (DP1) is also used for delicate applications. It has serrated jaws, & 1mm tip width.





MIR4
Mouth Mirror, SS,
#4 (22 mm)



MIR5
Mouth Mirror, SS,
#5 (24 mm)



MIR4SR
Mouth Mirror, SS,
#4 (22mm),
Superb-Retract



MIR4SRX
Mouth Mirror, SS,
#4 (22mm),
Superb-Retract, Black



MIR4S
Mouth Mirror, SS,
#4 (22mm), Superb



MIR4SX
Mouth Mirror, SS,
#4 (22mm), Superb, Black



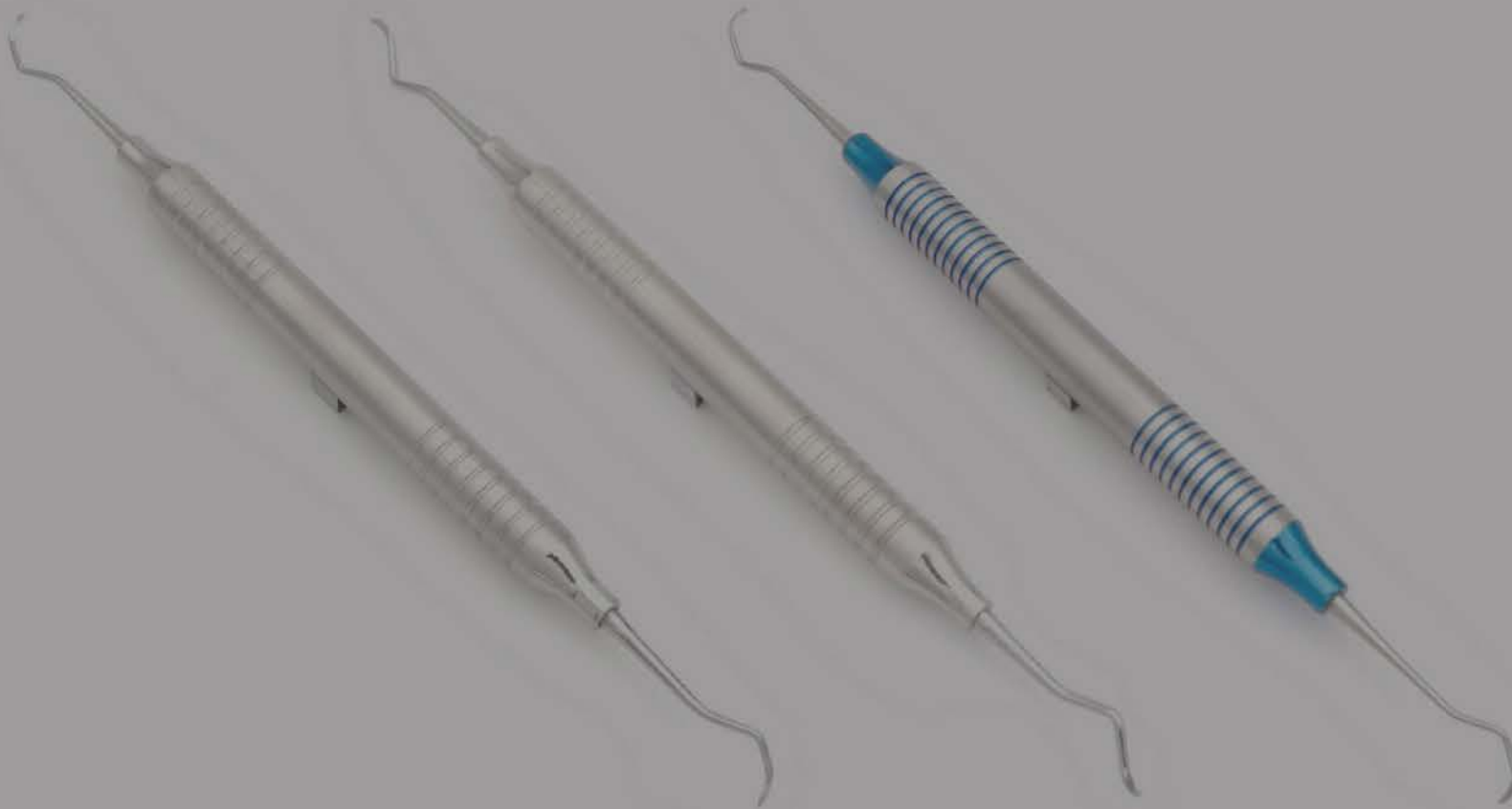
MIR5DS
Mouth Mirror, Double Sided (DS),
#5 (24 mm), Solid Form



2

PERIODONTAL

Sickle Scalers
Curettes
Gracey Curettes
Universal Curettes



PERIODONTAL

Sickle Scalers - Anterior Sickle Scalers



How to use H6/H7 Scaler:

First establish the correct working end of H6/H7 Scaler. This one's tricky because both ends of H6/H7 look the same. One way to memorize is, your away surface should be number six. Another way to remember this is, elbow of working end should be pointing away.

While you are doing to start the get ready zone, place the H6/H7 Scaler inside the sole kiss where the calculus lives. For effective removal, make sure you are not flexing where you shouldn't be. Start Up & Down turns until you feel the peace of calculus, then put the lateral pressure to remove the calculus. Chip the piece of calculus off using just the last two mm of the instrument cutting edge.

Super-thin, contra-angle design.
Very effective for interproximal areas.
Shank angulation provides accessibility to all anterior and premolar surfaces.

H6/H7 Anterior Sickle Scaler are highly recommended for the cleaning of the mesial and distal surfaces of the front teeth and premolars

Towner/Jacquette Sickle Scaler:
U15 Towner/30 Jacquette & U15 Towner/33 Jacquette are Anterior Sickle Scalers. These are used to clean supragingival calculus on anterior surfaces.

Hallow handle with 10mm dia
Surgical stainless steel
Completely Sterilizable

Sickle Scalars - Posterior Sickle Scalars

204S

204S Posterior Sickle Scaler has a shorter shank and it has a tip versus a toe. It is used to remove supragingival interproximal calculus.

204SD

204SD Sickle Scaler is a small, curved sickle scaler. It is used to removed supragingival calculus or subgingival calculus, located just below the gingiva.

MTC13/14

MTC is the Pointed McCall Curette design with longer blade. It is used for the removal of excessive tartar both in the upper and lower jaw

MJS

Montana Jack Scaler can be used for the whole mouth. It can be used on the anterior teeth as well as on the posterior teeth.

SM23

M23 Posterior Sickle Scaler

204S

204S Posterior Sickle Scaler

204SD

204SD Posterior Sickle Scaler

MTC13/14

13/14 MTC Scaler

MJS

Montana Jack Scaler

SM23

SM23 Scaler has a tip versus a toe, it's used on the posterior teeth, and it has a longer shank which allows to better reach clear back to the distal of those most posterior areas. It's used for removing debris from crown surfaces of teeth.

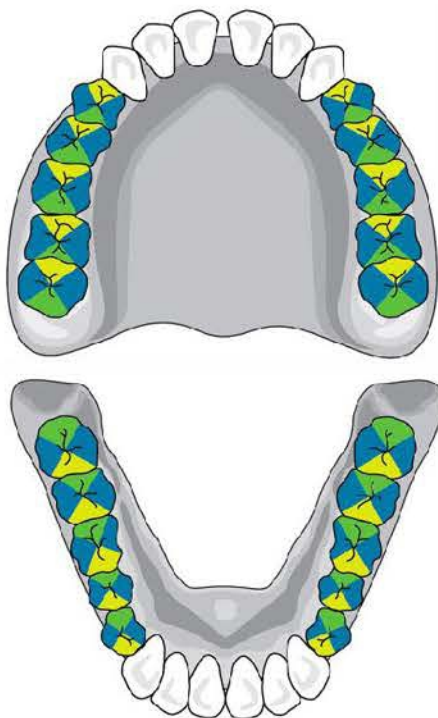
Since it's made with a tip it allows you to more comfortably clean areas of tight interproximal tissues. You have to work the calculus off with a standard four to seven strokes from outer calculus surface until you reach the tooth surface.

SM23 Sickle Scaler is very convenient for working in the confined spaces of the molars and Premolars. Our scalars are very fragile and have precisely shaped working ends, guaranteeing accurate and careful treatment. The anatomically balanced, light handles ensure even during longer procedures fatigue-free working.

Gracey Curettes - Standard

In the following chart you can find the exact application areas for the various Gracey Curettes.

-  **Gracey #1/2**
For all surface of the front teeth and canines.
-  **Gracey #3/4 & 5/6**
For all surface of the front teeth and bicuspid.
-  **Gracey #7/8 & 9/10**
For all facial and oral surfaces of the bicuspid and molars.
-  **Gracey #11/12 & 15/16**
For all mesial surfaces of the bicuspid and molars.
-  **Gracey #13/14 & 17/18**
For all distal surfaces of the bicuspid and molars.



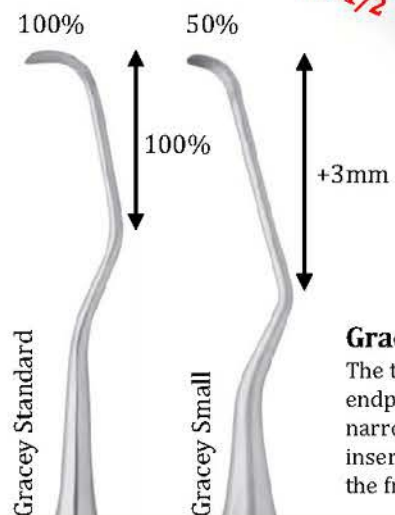
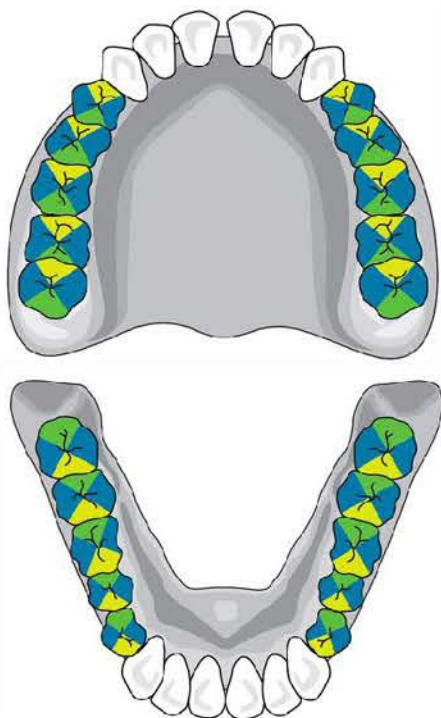
Gracey Curettes - Standard

Gracey Curette Blade design is offset from the terminal shank at 70°. This creates one cutting edge which is referred to as the lower edge. Gracey Curettes are area specific to allow for deep scaling, root planning and periodontal debridement. The offset blade provides a perfect working angulation for the tooth surface. Gracey Curettes are used in a set to completely scale the dentition.

Gracey Curettes - Small

In the following chart you can find the exact application areas for the various Gracey Curettes.

-  **Gracey #1/2**
For all surface of the front teeth and canines.
-  **Gracey #3/4 & 5/6**
For all surface of the front teeth and bicuspid.
-  **Gracey #7/8 & 9/10**
For all facial and oral surfaces of the bicuspid and molars.
-  **Gracey #11/12 & 15/16**
For all mesial surfaces of the bicuspid and molars.
-  **Gracey #13/14 & 17/18**
For all distal surfaces of the bicuspid and molars



Gracey Curettes - Small

The terminal shank of the Gracey curette Small is 3mm longer and the work endpieces are 50% shorter. This modification allows better access to the narrow root surfaces. A reduction in the widening of the gingival tissue when inserting the instrument is also an advantage of the shortened blade. Perfect for the front tooth region and for better access to all mesial and distal surfaces.



Universal Curettes - Younger Good Universal Curettes

SYG7/8

7/8 Younger Good Universal Curette

Younger Good 7/8 Curette has a small gently curved blad designed to access terminal molars. To access the distal of the terminal molars effectively insert just mesial-buccal to the distal line angel with the toe directed towards the bottom of the sulcus. While doing that maintain a very strong fulcrum and use short horizontal stroke from line angle to line angle, for full cross coverage this stroke can be reversed to start on the lingual. Sharpening such a delicate working would quickly compromise the intended shape.

Cutting blades are designed with two cutting edges and a rounded toe for use on all surfaces. Particularly use for the removal of supragingival/subgingival calculus.

Product Details:

7/8 Younger Good Universal Curette

Used to remove supragingival/subgingival calculus

Double ended hand instrument

Hollow handle design, 10mm dia

Surgical stainless steel

Completely sterilizable



Universal Curettes - Columbia Universal Curettes

SC2R/2L

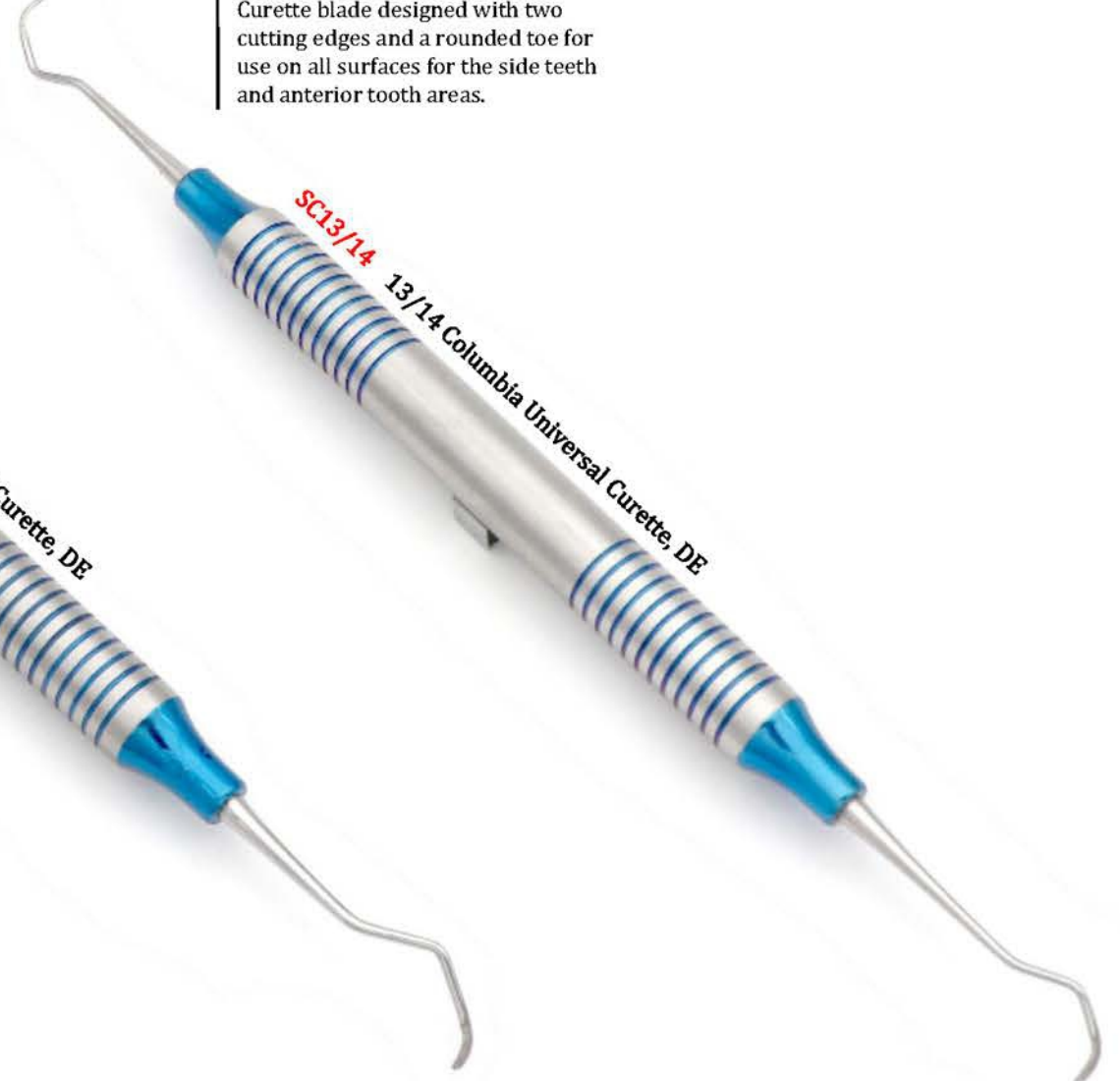
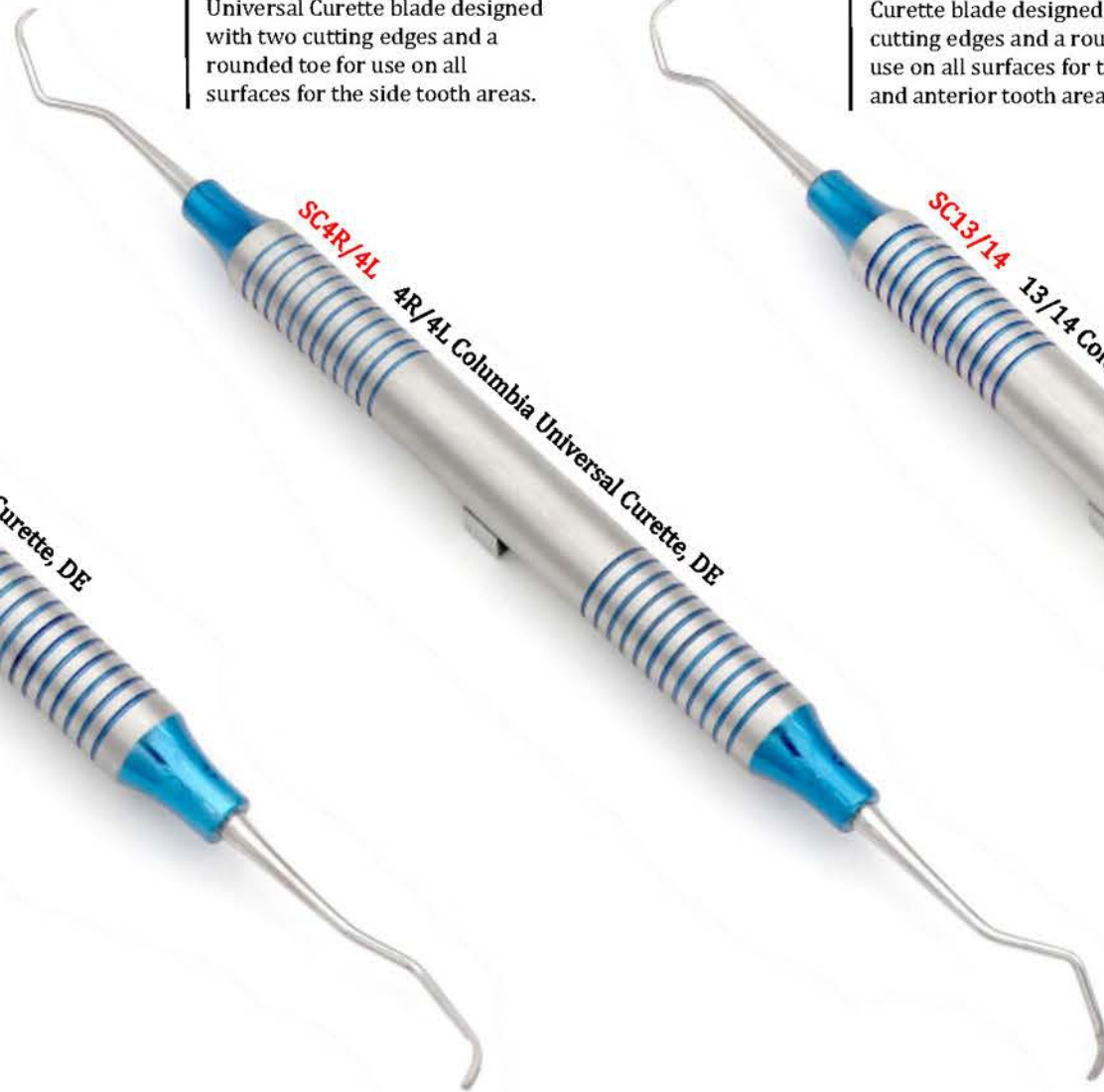
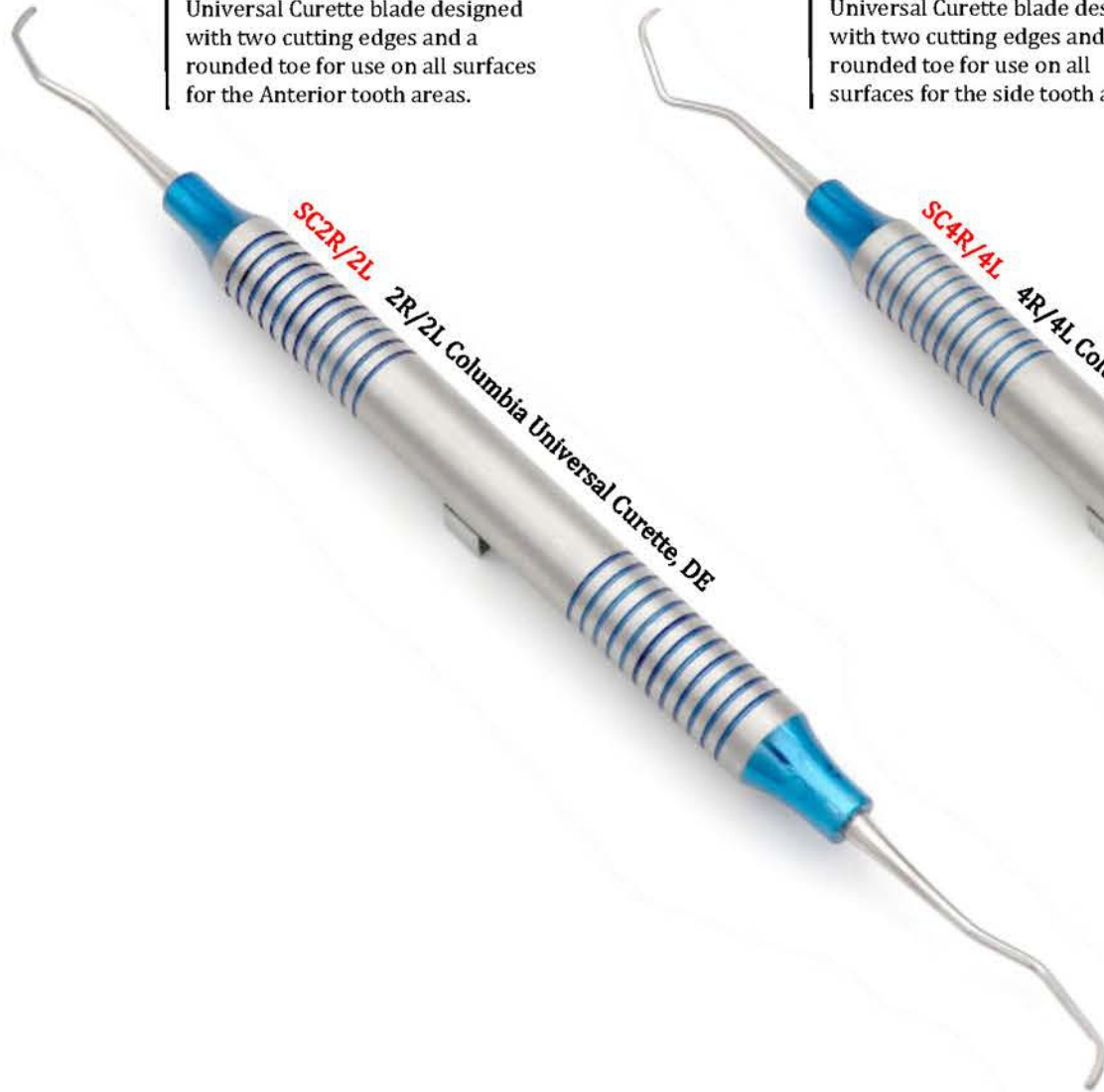
SC2R/2L Anterior Columbia Universal Curette blade designed with two cutting edges and a rounded toe for use on all surfaces for the Anterior tooth areas.

SC4R/4L

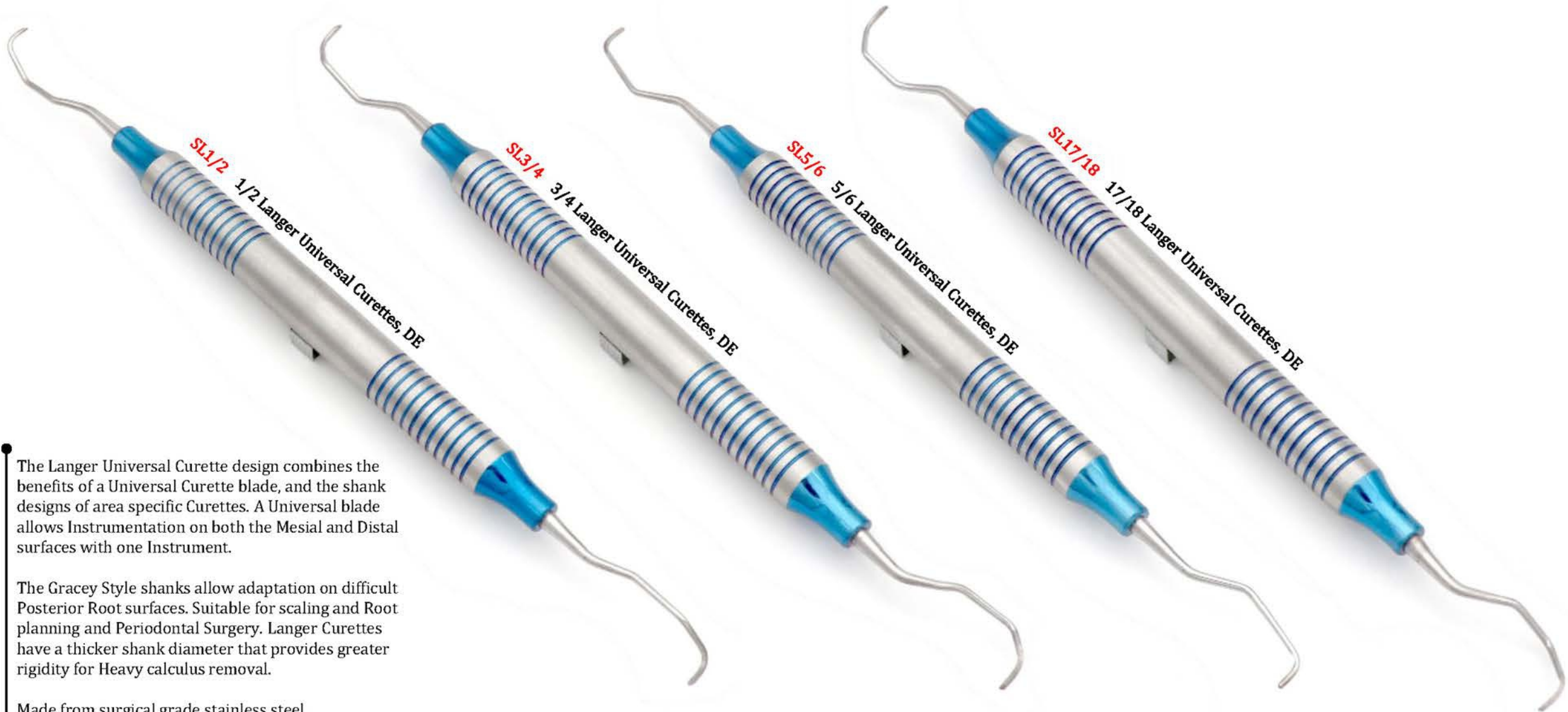
SC4R/4L Posterior Columbia Universal Curette blade designed with two cutting edges and a rounded toe for use on all surfaces for the side tooth areas.

SC13/14

SC13/14 Anterior Columbia Universal Curette blade designed with two cutting edges and a rounded toe for use on all surfaces for the side teeth and anterior tooth areas.



Universal Curettes - Langer Universal Curettes



The Langer Universal Curette design combines the benefits of a Universal Curette blade, and the shank designs of area specific Curettes. A Universal blade allows instrumentation on both the Mesial and Distal surfaces with one Instrument.

The Gracey Style shanks allow adaptation on difficult Posterior Root surfaces. Suitable for scaling and Root planning and Periodontal Surgery. Langer Curettes have a thicker shank diameter that provides greater rigidity for Heavy calculus removal.

Made from surgical grade stainless steel.
Large diameter handle design, 9.5mm
Completely sterilizable



McCall Universal Curettes:

Pointed McCall Curette designed for the removal of supragingival calculus
McCall scalers have tapered, pointed working ends and are highly suitable for interdental cavities.

Made from surgical grade stainless steel.
Large diameter handle design, 9.5mm
Completely sterilizable
Super-durable to stay sharper longer.

3

EXTRACTION

Proximators
Luxating Elevators
Periotomes
Root Elevators
Heidbrink
Extraction Forceps



EXTRACTION

PDL Proximators

This PDL Proximators Set is appropriate for the principle minimal invasiveness.

The Proximator combines the sharp, thin working-edge of the Periotome and the strength of the Luxating Elevator. This limits the need for traditional elevators that could lead to unwanted forces on the surrounding bone structure. The Proximator also incises the ligament smoothly, extracts the tooth efficiently, and preserves the socket completely. It has more consistent outcomes for each procedure, faster and less traumatic extractions, and it better facilitates immediate implant placement. The kit options give the best possible access to any root surface in the mouth. Reach the most difficult posterior areas without extreme cheek retraction. The complete set of seven can also come in a sterilization cassette.

New handle design (Round Solid), aligned to pressure and tug, allows tactile working without destroying the adjacent structures. Direct and controlled power transfer the possible with the new handle.

All tools are fine serrated.

This is the perfect instrument set for the careful and faultless removal of non preservable teeth.



EPLM
Proximator Large, Mesial, 4 mm



EPLD
Proximator Large, Distal, 4mm



EPSM
Proximator Small, Mesial, 2.5mm



EPSD
Proximator Small, Distal, 2.5mm



EPBS
Proximator Bernard, Straight, 4mm



EPSS
Proximator Small, Straight, 2.5mm



EPSC
Proximator Small, Curved, 2.5mm

Luxating Elevators Set - Plastic Handle

Today's modern implantology demands that immediate implantation takes place after gentle and atraumatic tooth extraction. Therefore it is increasingly important that during the tooth extraction the hard and soft tissue structures are already handled very gently and atraumatically. Luxating Elevators set assure a further development of Periotomes and thus enable unique mesial and distal manipulation of the root structures. This prevents fracturing of the buccal and labial bone lamella, which is extremely important for the implant insertion. The luxating elevators set is an ideal complement to the conventional extracting instruments for the gentle extraction of non-restorable teeth.

- Light Color Coded handle design for fatigue-free working
 - The handle size allows for careful gentle and controlled operation as well as direct power transmission to avoid tooth and root fractures
 - Atraumatic removal of teeth without damaging nearby structures
- The alveole is atraumatically expanded by the special flat work tips and the periodontal ligaments are gently severed by slight rotary motion.

Working Procedure:

1. Position the luxating elevator to the side of the tooth.
2. Enlarge the alveole
3. Sever the ligament
4. Remove the tooth with a rotating circular motion from its socket

This results in minimal tissue damage



Luxating Elevators

These Luxating Elevators are made with Stainless Steel Material.
Long & light weight handle design provide excellent smooth grip with controlled force transfer.



Luxating Elevators - Black Line



EL2SX
Luxating Elevator,
Straight, 2mm, Black Line



EL2CX
Luxating Elevator,
Curved, 2mm, Black Line



EL3SX
Luxating Elevator,
Straight, 3mm, Black Line



EL3CX
Luxating Elevator,
Curved, 3mm, Black Line



EL4SX
Luxating Elevator,
Straight, 4mm, Black Line



EL4CX
Luxating Elevator,
Curved, 4mm, Black Line



EL5SX
Luxating Elevator,
Straight, 5mm, Black Line



EL5CX
Luxating Elevator,
Curved, 5mm, Black Line



Periotomes

These Periotomes are designed to facilitate the removal of teeth with minimal damage to the surrounding alveolar bone by severing the periodontal ligament with the use of the sharp, serrated, thin clinically designed blades. Large diameter handle for enhanced ergonomics, tactile feel and optimal clinical performance. Longevity and corrosion resistance afforded by handcrafting from the finest grade surgical stainless steel. These Periotomes are **TiNi Coated**. Black TiNi coating provides optimal edge retention, reduced light reflection and enhanced contrast and visual acuity at the surgical site and underlying tissue.



Bernard Elevators - Syndesmotomes

Bernard Root Elevators are particularly suitable for the excision of fractured roots or root fragments. They represent a combination of root tip elevators and luxating elevators. The inner side is concave and the laterals edges are for cutting. This allow for rotatory movements, and when applying slight pressure, the ligaments can be separated and the remaining root fragments can be loosened.

This section includes a set of five Bernard Root Elevators, including Left, Right, Straight, Mesial & Distal form. All elevators are made from, Surgical Stainless Steel
Hallow handle, light weight
Completely Sterilizable

Bernard Root elevators also know as Syndesmotomes.
They can also be use as Periotome
or to elevate Small Roots



Bernard Elevators - Syndesmotomes

Bernard Root Elevators are particularly suitable for the excision of fractured roots or root fragments. They represent a combination of root tip elevators and luxating elevators. The inner side is concave and the lateral edges are for cutting. This allows for rotatory movements, and when applying slight pressure, the ligaments can be separated and the remaining root fragments can be loosened.

This section includes a set of 3 Bernard Root Elevators, including Left, Right & Straight form. All elevators are made from, Surgical Stainless Steel
Hollow handle, very light weight
Completely Sterilizable

Bernard Root elevators also known as Syndesmotomes. They can also be used as Periotomes or to elevate Small Roots



Posterior Flared Tip Elevators

This section includes a comprehensive set of Posterior Flared Tip Elevators. These elevators used to loosen the tooth from the periodontal ligament and ease extraction, particularly used for Upper Posterior Roots and Upper 3rd Molar.

E46 & E46R: Mesial & Distal with 2.75mm, Smooth working tips
E77 & E77R: Mesial & Distal with 3.75mm, Serrated working tips

Surgical Stainless Steel
Hallow handle, very light weight
Completely Sterilizable



E46 46 Elevator, Smooth, Distal, 2.75mm

E46R 46R Elevator, Smooth, Mesial, 2.75mm

E77 77 Elevator, Serrated, Distal, 3.75mm

E77R 77R Elevator, Serrated, Mesial, 3.75mm



Lindo-Levien Elevators

These root elevators are used for releasing the ligaments around the neck of the tooth, and to facilitate the extraction. The working end serration can be very helpful during the initial phase of extraction.

Elevator according to Lindo-Levien
Working part straight with serration
Width 2.2mm 3.0mm or 4.0mm
Smooth Surface Handle
Surgical Stainless Steel
Sterilized in all Commercial Sterilizers



ELL3S 3 mm, Straight

ELL3C 3 mm, Curved

ELL4S 4 mm, Straight

ELL4S 4 mm, Curved



Miller Apexo Elevators

These root elevators are used for releasing the ligaments around the neck of the tooth, and to facilitate the extraction. The working end are smooth, with 3mm width. These can be very helpful during the initial phase of extraction.

Elevator according to Miller Apexo
Working Tips are smooth, with 3mm width
Smooth Surface Handle
Surgical Stainless Steel
Sterilized in all Commercial Sterilizers



Potts Elevators

These root elevators are used for releasing the ligaments around the neck of the tooth, and to facilitate the extraction. The working end are smooth These are used for impacted upper 3rd Molars without bony obstruction.

Elevator according to Potts
Working Tips are smooth
Smooth Surface Handle
Surgical Stainless Steel
Sterilized in all Commercial Sterilizers



Warwick James Elevators

Warwick James root elevators set

Left, right and left arrow shaped application tips, 2.5mm tip width

Elevator according to Potts

Working Tips are smooth

Smooth Surface Handle

Surgical Stainless Steel

Sterilized in all Commercial Sterilizers



EWJR Elevator Warwick James right

EWJS Elevator Warwick James straight

EWJL Elevator Warwick James left



Cryer Elevators

Cryer Root Elevators set
Left & Right, with medium working points
Working Tips are smooth
Smooth Surface Handle
Surgical Stainless Steel
Sterilized in all Commercial Sterilizers



Coupland Elevators

Coupland root elevators set
3mm, 3.5mm & 4mm tip width
Sand Blasted no slip handle
Surgical Stainless Steel
Sterilized in all Commercial Sterilizers



EA3C

3C Elevator Coupland, 4mm

EA2C

2C Elevator Coupland, 3.5mm

EA1C

1C Elevator Coupland, 3mm



Schmeckebier Apexo Elevators

Schmeckebier Apexo elevators use to loosen the tooth from the periodontal ligament and ease extraction

Sand Blasted no slip handle

Surgical Stainless Steel

Sterilized in all Commercial Sterilizers



E5
Schmeckebier
Apexo Elevator R

E4
Schmeckebier
Apexo Elevator L

Apical Elevators

Apical root elevators, right, left
For upper and lower root tips
Width of tip 3 mm
Smooth Surface Handle
Surgical Stainless Steel
Sterilized in all Commercial Sterilizers



EA303R

Apical elevator right, 3mm

EA303L

Apical elevator left, 3mm



E2S

2S Seldin Elevator, lower 3rd
molars



E3S

3S Seldin Elevator, upper & lower
anterior roots, sharp cone edge



E34

34 Str. Seldin Elevator, upper and
lower anterior roots



Root Tip Picks - Heidbrink

Heidbrink root tip Elevators, right, left, straight Very fine double-ended tool for removing splinters from root tips and hard to reach areas.

For upper and lower root tips

Width of tip 2.0 mm

Smooth surface handle - 6 hexagonal special grip

Stainless steel

Completely sterilizable

EHB3

3 Heidbrink elevator, right

EHB1

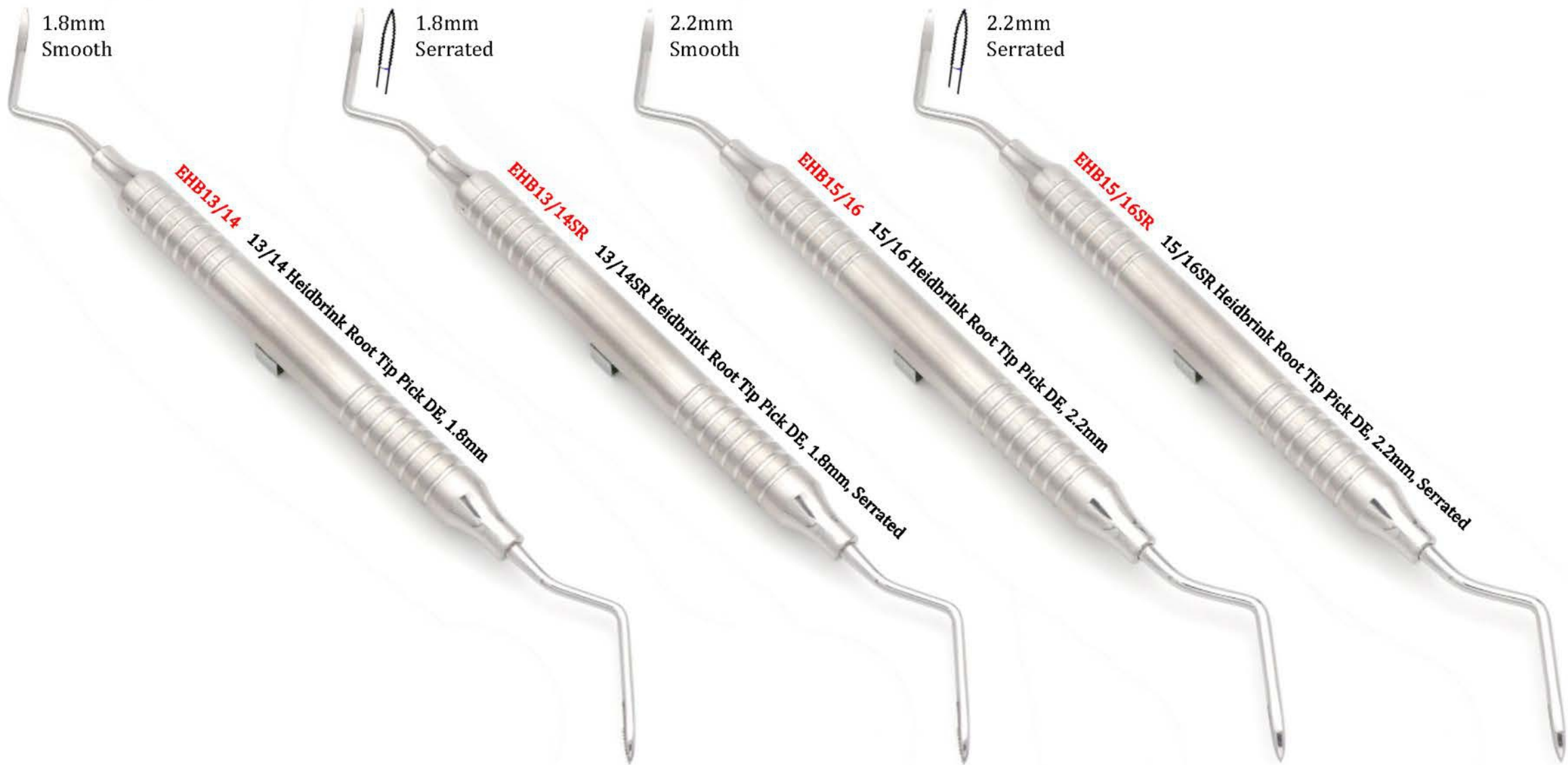
1 Heidbrink elevator, straight

EHB2

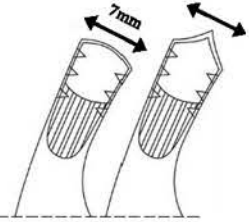
2 Heidbrink elevator, left



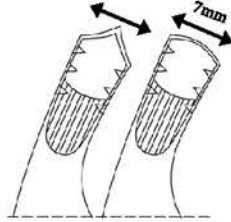
Heidbrink Root Tip Picks



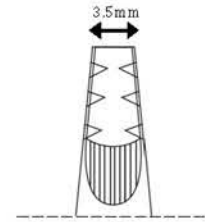
Gentle Extraction Forceps - Upper Jaw



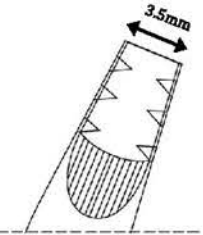
FGE17
17 GE Forceps, 7mm,
Upper Jaw, Right Third
Molars & Molars



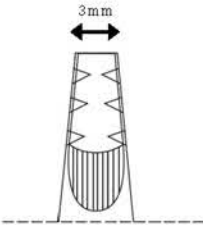
FGE18
18 GE Forceps, 7mm,
Upper Jaw, Left Third
Molars & Molars



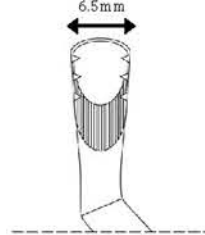
FGE34N
34N GE Forceps, 3.5mm,
Upper jaw, Incisors &
Cuspids



FGE35N
35N GE Forceps, 3.5mm,
Upper Jaw, Bicuspid



FGE51
51 GE Forcep, 3mm,
Upper Roots



FGE67A
67A GE Forceps, 6.7mm,
Upper Jaw & Third Molars

Gentle Extraction Forceps - Lower Jaw



FGE13
13 GE Forceps, 4.5mm,
Lower Jaw, Bicuspid



FGE22
22 GE Forceps, 5.5mm,
Lower Jaw, 3rd Molars &
Molars



FGE36N
36N GE Forceps, 3.5mm,
Lower Jaw, Incisors &
Bicuspid



FGE79
79 GE Forceps, 7mm,
Lower Jaw, Third Molars

Gentle Line Extraction Forceps:

This new series of extracting forceps has been especially developed in consideration of easy and gentle tooth extraction. The modified tapered deep-grip beaks fit exactly on the teeth which ensures a maximum grip in the appliance. These Gentle Extraction Forceps are available for all figures in upper and lower jaw (incisors, premolars, molars and wisdom teeth).

Due to the special adaption of jaws onto the tooth, only a minimal pressure must be applied during use. The jaws run parallel to the neck of tooth and enable a gentle extraction of the teeth.

The light weight protected design handle provides constant power transmission for circular motion as well as for push and pull motions. The smooth handle prevents sedimentation and is therefore easy to clean. The sand blasted surface minimizes annoying light reflection when working.



Atraumatic Extraction Forceps - Upper Jaw



Atraumatic Extraction Forceps:

These Forceps, with parallel grasp on the neck of the tooth and deep reach in the alveolar region, provides a secure hold for the extraction of the tooth. All Atraumatic forceps feature a matte finish for enhanced contrast and reduced light reflection. Unique hold design help reduce the weight of the forceps and provide an increased comfort and control.

Following are key features of Atraumatic Extraction Forceps;

- Unique hold design reduced weight of the forceps, providing increased comfort and control
- Matte finish for enhanced contrast and reduced light reflection
- Enhanced beak geometries and longitudinal beak serrations provides a firm, secure grasp of the crown and root reducing the risk of crushing or fracturing the tooth
- Laser marked hinge for greater visibility when bagged for sterilization
- Surgical Stainless Steel & Completely Sterilizable



Atraumatic Extraction Forceps - Lower Jaw



FAF13XS
13 Atraumatic EF, 4.5mm,
Cross Serrated, Lower
Premolars



FAF23XS
23 Atraumatic EF,
Lower Molars



FAF36XS
36N Atraumatic EF,
3.5mm, Lower Jaw,
Incisors & Bicuspid



FAF45XS
45 Atraumatic EF,
Lower Molars



FAF73AXS
73 Atraumatic EF, 6mm, Cross
Serrated, Lower Molars



FAF79XS
79 Atraumatic EF, 4mm,
Lower Jaw, Third Molars

Deep Grip Extraction Forceps

These deep grip extraction forceps has parallel grasp on the neck of the tooth, it helps to reach deep in the alveolar region, and provides a secure hold for the extraction of the tooth.

Deep Grip extraction forceps feature a matte finish for enhanced contrast and reduced light reflection. Unique gripping handle design helps to reduce the weight of the extraction forceps and enhanced the comfort and control.



F34XS
34N Deep Grip EF, 3.5mm,
Upper jaw, Incisors & Cuspids



F35XS
35N Deep Grip EF, 3mm,
Upper Jaw, Bicuspid

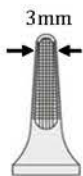


F36XS
36N Deep Grip EF, 3.5mm,
Lower Jaw, Incisors & Bicuspid

Standard Extraction Forceps



Standard Extraction Forceps



FX33AE
33A Extraction Forcep, 3mm,
Lower Roots, Premolars &
Canines



FX39E
39 Extraction Forcep,
Lower Roots



FX41E
41 Extraction Forcep,
Upper Roots



FX46LE
46L Extraction Forcep,
3mm, Lower Roots



FX49E
49 Extraction Forcep,
Upper Roots



FX51AE
51A Extraction Forcep,
3mm, Upper Roots



FX67AE
67A Extraction Forcep,
7.5mm, Upper Molars &
Wisdom Teeth



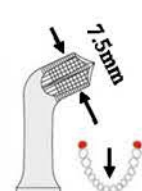
FX73E
73 Extraction Forcep,
5mm, Lower Molars



FX74E
74 Extraction Forcep,
4.5mm, Lower Roots



FX74NE
74N Extraction Forcep,
3mm, Lower Roots



FX79E
79 Extraction Forcep,
7.5mm, Lower Molars &
Wisdom Teeth



FX86AE
86A Extraction Forcep,
Smooth, Lower Root



FX87E
87 Extraction Forcep,
Smooth, Root Forceps



FX89E
89 Extraction Forcep,
Smooth & Cross Serrated,
Lower Molars &
Wisdom Teeth



FX90E
90 Extraction Forcep,
Smooth & Cross Serrated,
Lower Molars &
Wisdom Teeth

Standard & Routurier Extraction Forceps



Routurier Extraction Forces:

Special Wisdom Routurier extraction forcep is used for dental extraction, tooth extraction, exodontia or exodontics.

The cross serrated jaws provide strong grip.

Routurier extraction forceps are designed for use in specific areas of the mouth for the removal of teeth from the dental alveolus (socket) in the alveolar bone.

They are available with Right & Left Angled Jaws
Surgical stainless steel
Completely sterilizable



Child Extraction Forceps



FX5CE
Lower Roots EF

FX4CE
Upper Roots EF

FX3CE
Upper Primary Molars EF

FX6CE
Lower Primary Molars EF

FX2CE
Upper Molars EF

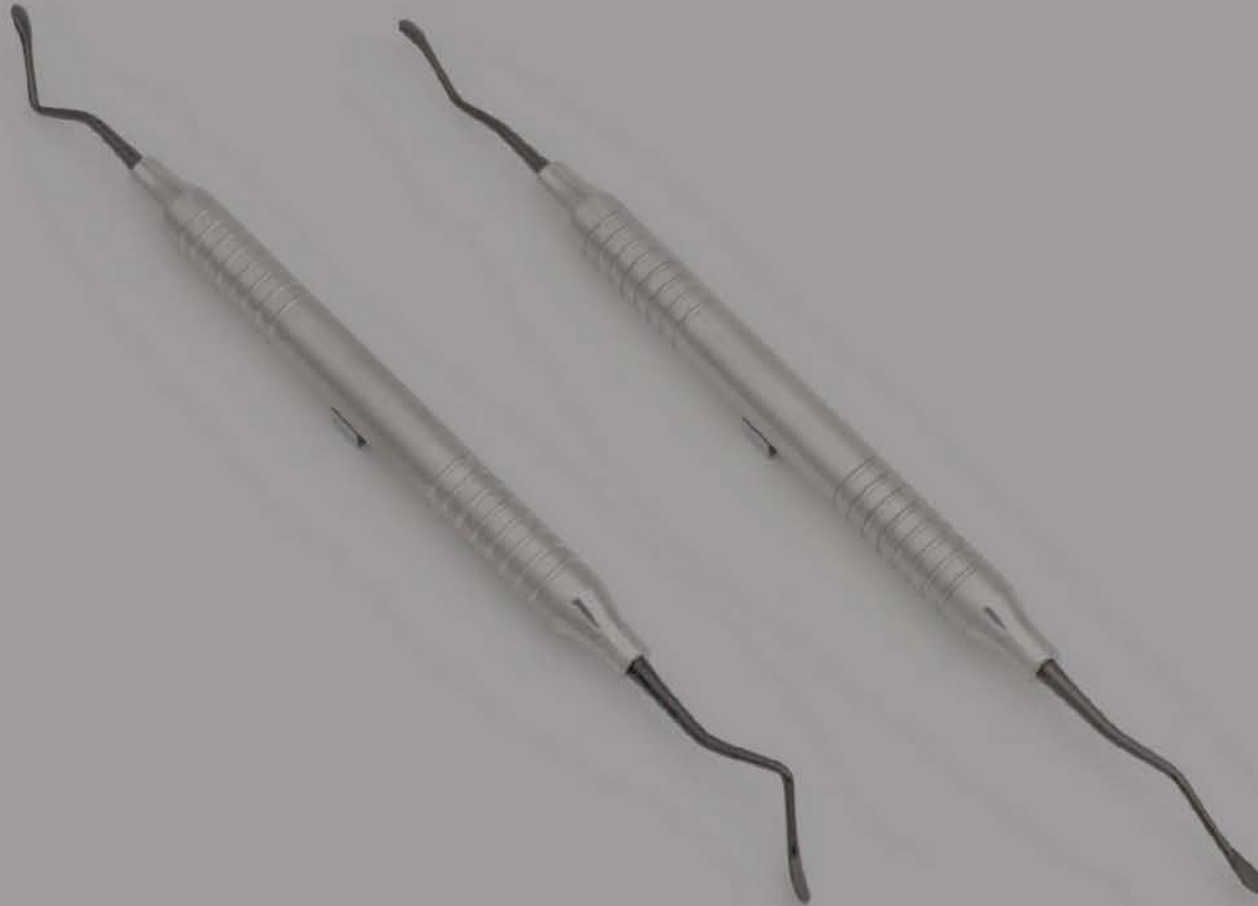
FX7CE
Lower Incisors EF

FX1CE
Upper incisors and canines EF

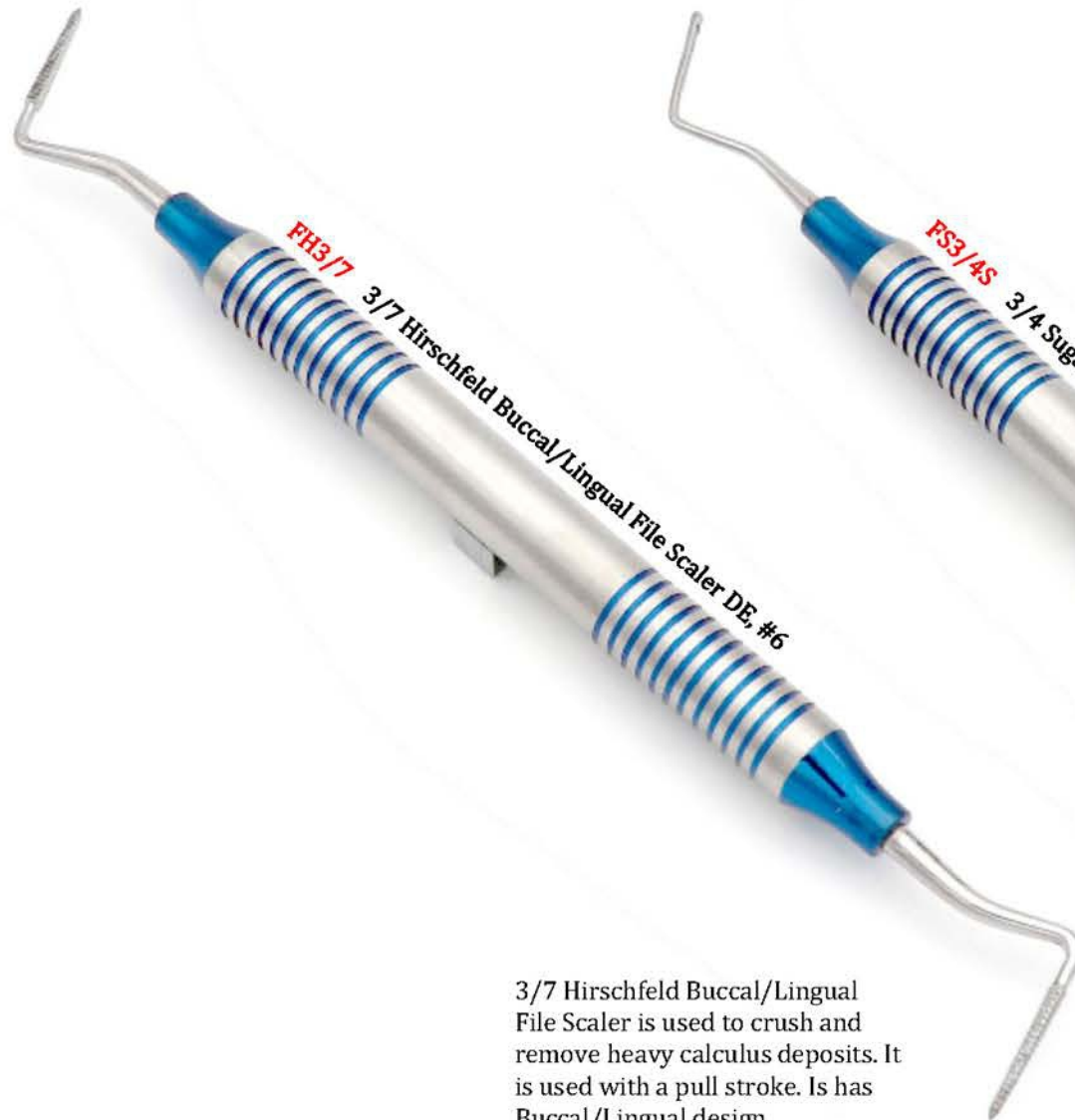
4

PERIODONTAL SURGERY

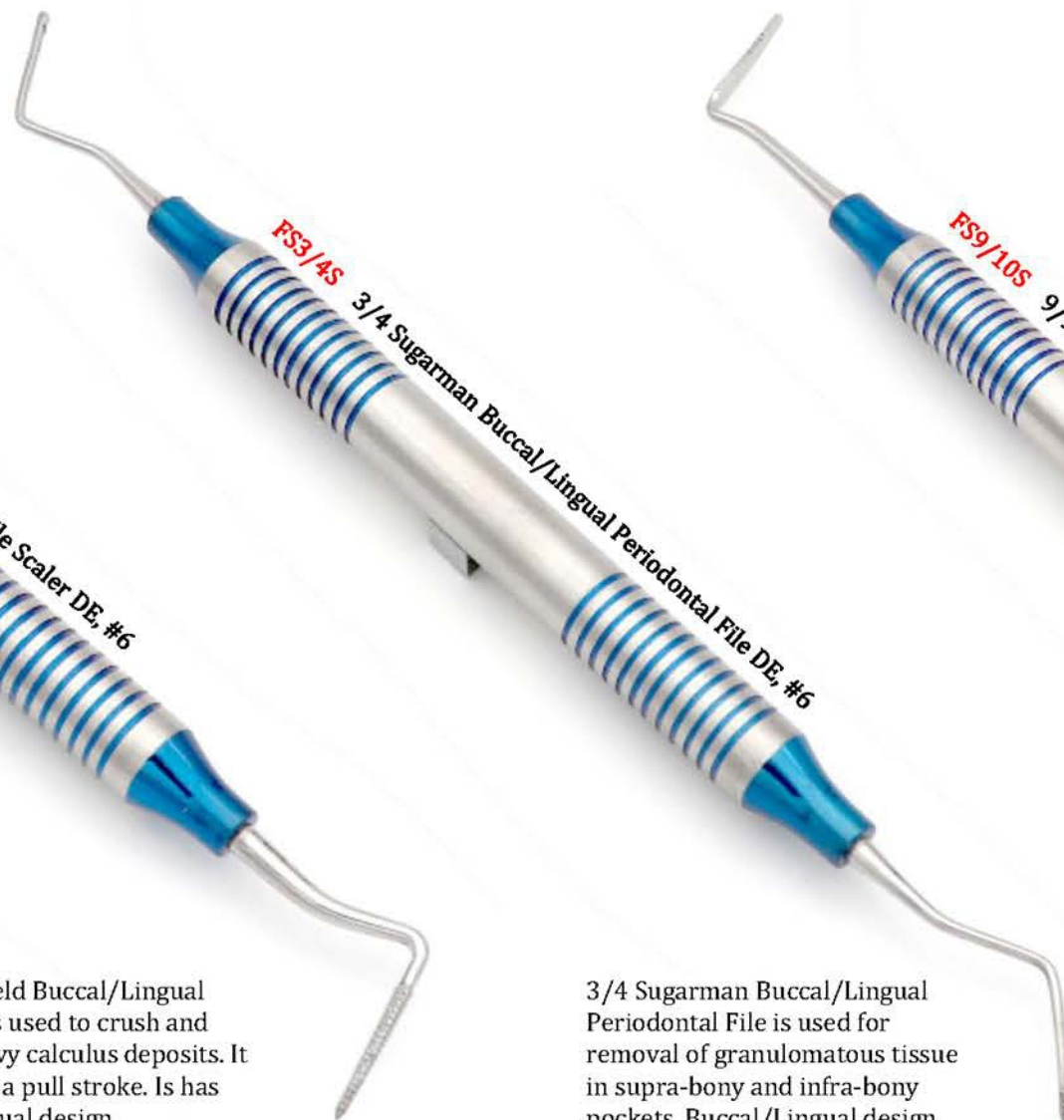
Periodontal Files
Periodontal Surgical Curette
Periodontal Chisels
Periodontal Knives
Tunneling Knives &
Elevators



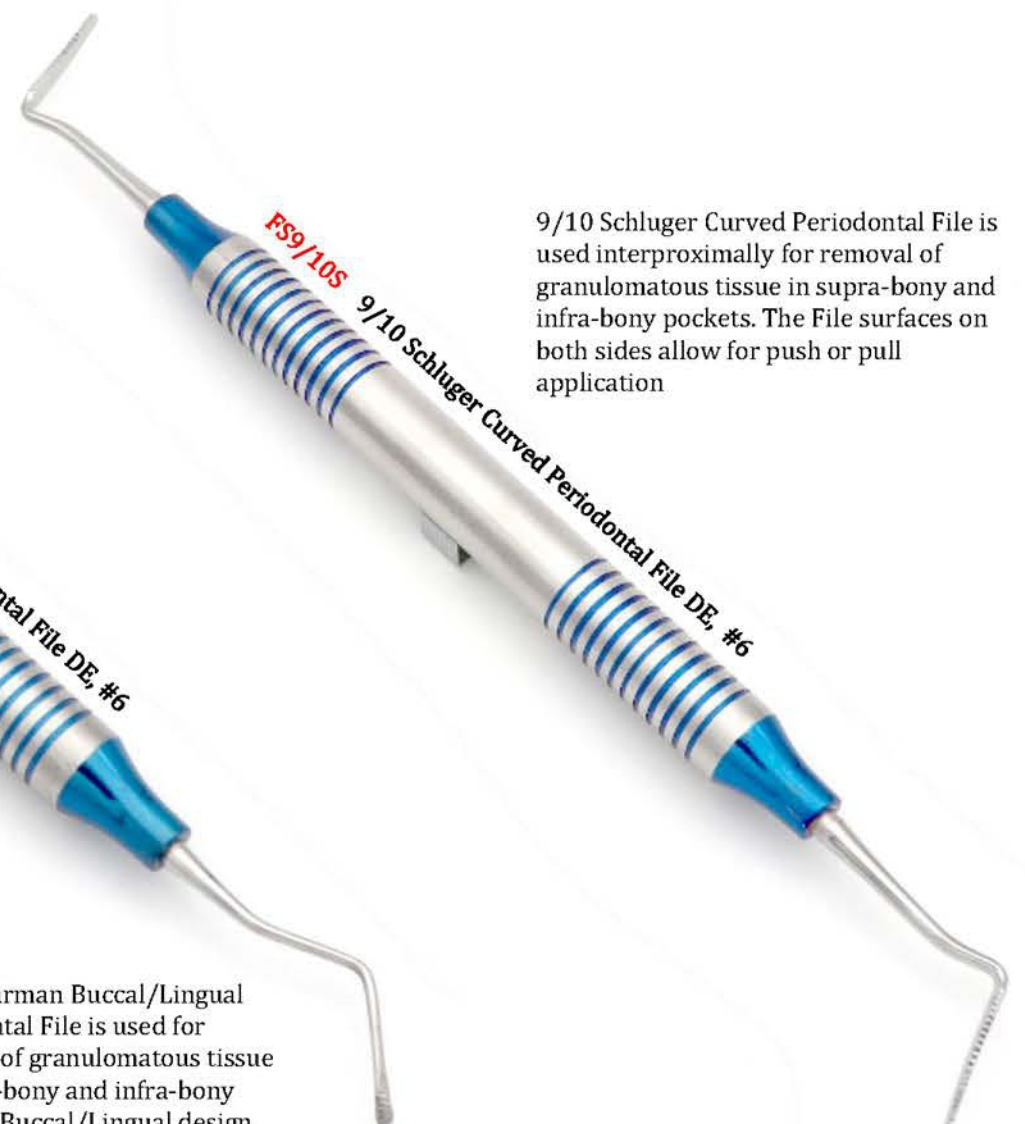
PERIODONTAL SURGERY



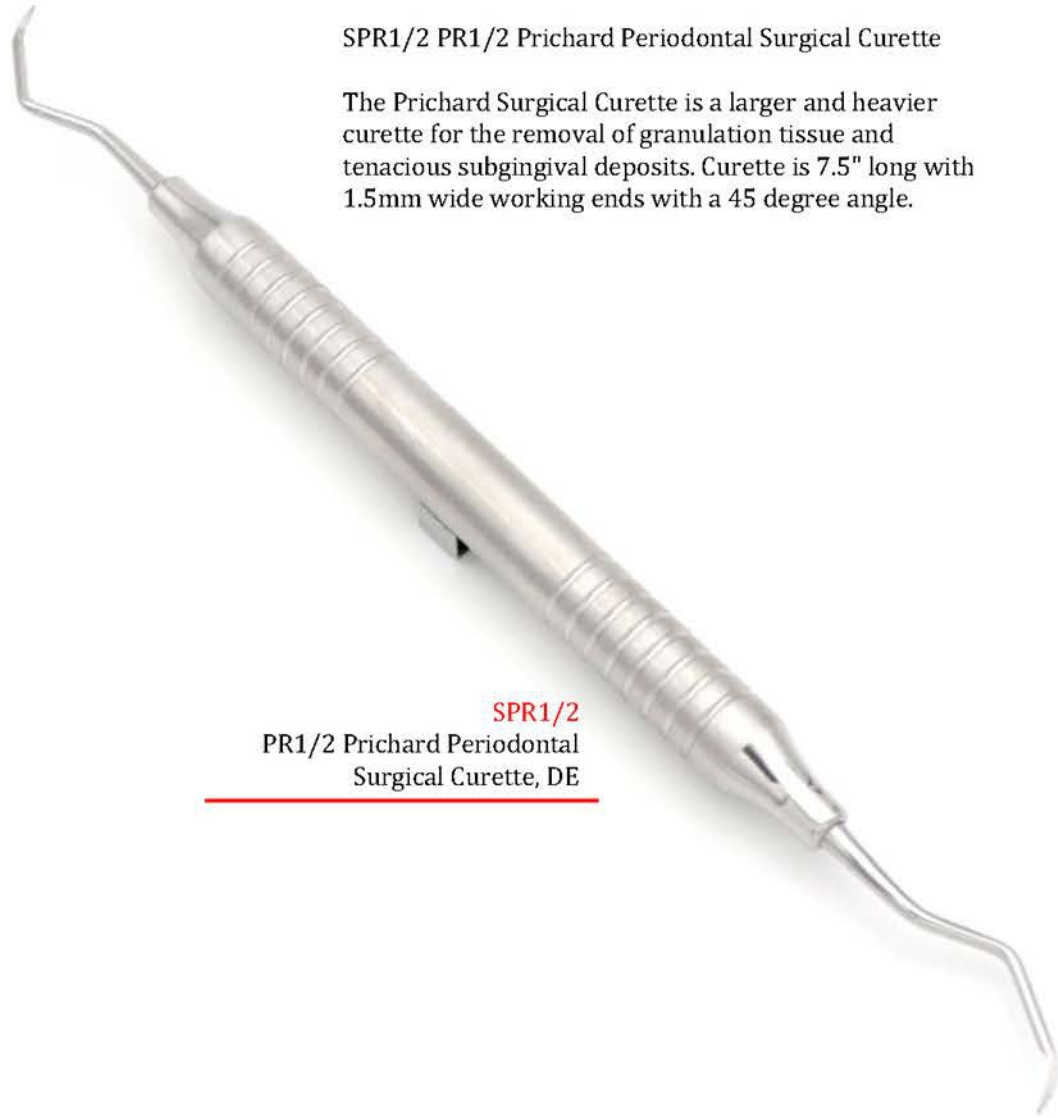
3/7 Hirschfeld Buccal/Lingual File Scaler is used to crush and remove heavy calculus deposits. It is used with a pull stroke. It has Buccal/Lingual design.



3/4 Sugarman Buccal/Lingual Periodontal File is used for removal of granulosomatous tissue in supra-bony and infra-bony pockets. Buccal/Lingual design.



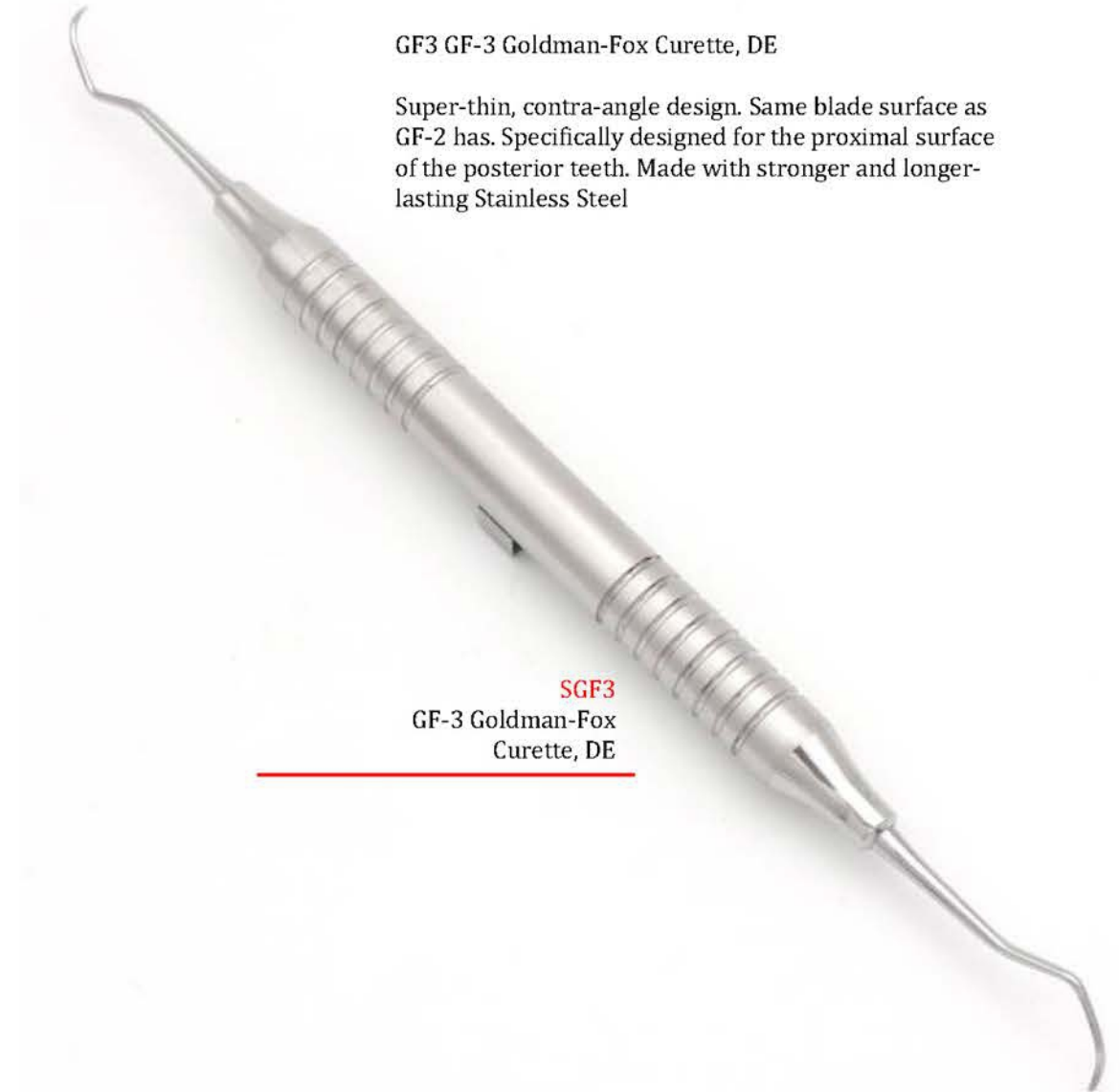
9/10 Schluger Curved Periodontal File is used interproximally for removal of granulosomatous tissue in supra-bony and infra-bony pockets. The File surfaces on both sides allow for push or pull application



SPR1/2 PR1/2 Prichard Periodontal Surgical Curette

The Prichard Surgical Curette is a larger and heavier curette for the removal of granulation tissue and tenacious subgingival deposits. Curette is 7.5" long with 1.5mm wide working ends with a 45 degree angle.

SPR1/2
PR1/2 Prichard Periodontal
Surgical Curette, DE



GF3 GF-3 Goldman-Fox Curette, DE

Super-thin, contra-angle design. Same blade surface as GF-2 has. Specifically designed for the proximal surface of the posterior teeth. Made with stronger and longer-lasting Stainless Steel

SGF3
GF-3 Goldman-Fox
Curette, DE

Periodontal Chisels & Hoes



C01

1 OchsenBein Periodontal Chisel, 5mm, SE



C02

2 OchsenBein Periodontal Chisel, 5mm, SE

Sharp bone Chisels designed for secondary sulcular incisions in flap procedures that facilitate removal of remaining connecting fibers on the tooth. Also used to refine osseous topography in ostectomy and osteoplasty techniques.

Ochsenbein C01 & C02

Sharpened on one side

Total length 16cm

Made from Surgical Stainless Steel

Completely Sterilized



C04

The 4 Ochsenbein Chisel is useful for reshaping bone. The semi-circular notches are beveled on each side. Can also be used to reflect flaps or remove secondary palatal flaps. They are also designed to make secondary sulcular incisions in flap procedures and facilitate removal of remaining fibers on tooth. Chisel is 3.4mm wide with mono-beveled edge.

C36/37

The Rhodes Back Action Chisel is designed for removing bone adjacent to the tooth without causing trauma and is especially useful on the distal of last molars. It is used in a pull stroke. Working ends are 3.8mm wide.

CKN1/2

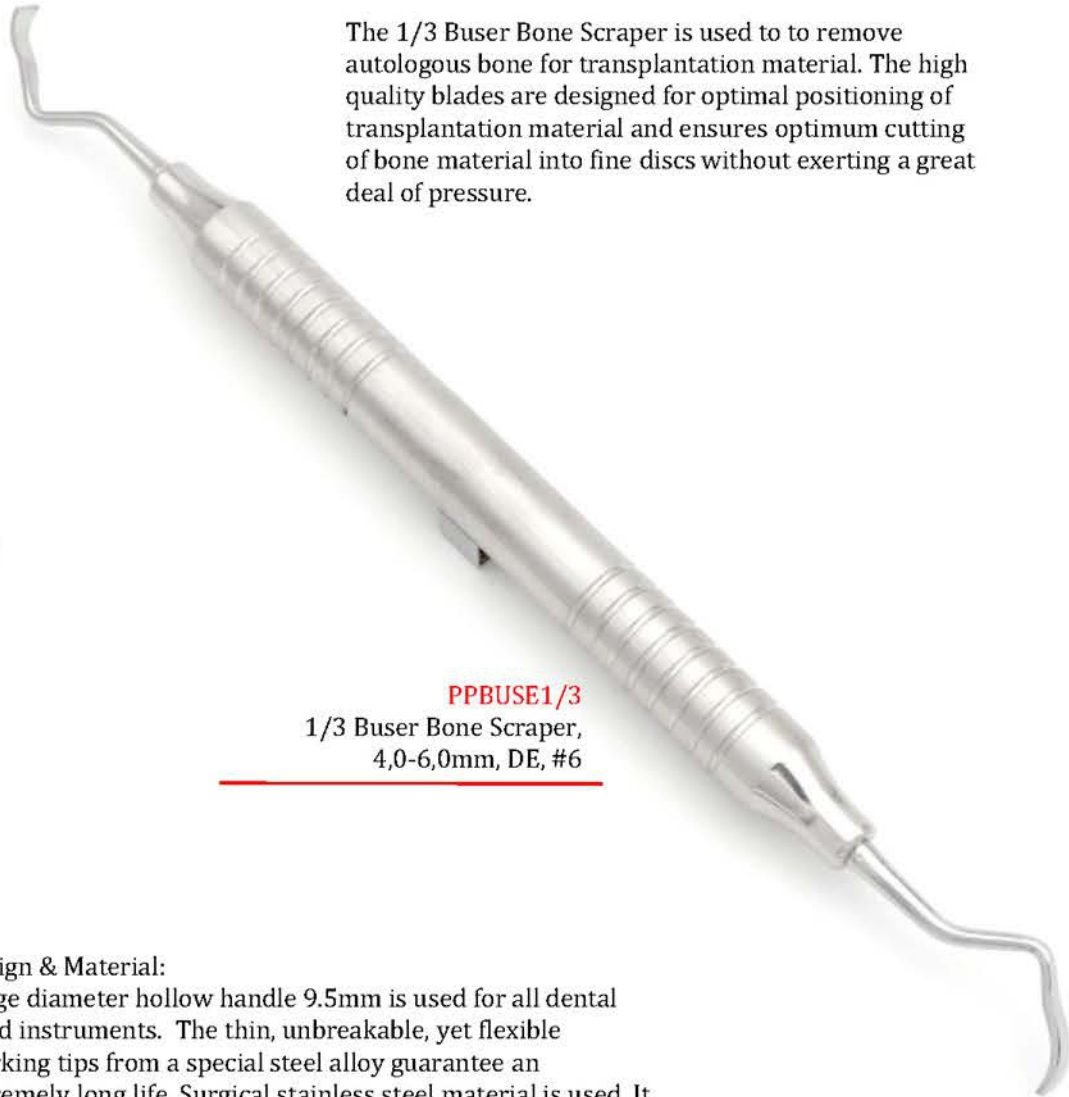
The Kramer-Nevins Chisel is used to remove and recontour bone with 2mm working ends. Made with surgical grade stainless steel.

CTG-O

The CTG-O Chisel is used for removing and recontouring bone with 3.2mm working ends. Both ends are straight chisels used in a push motion. Made with surgical grade stainless steel.

1/3 Buser Bone Scraper

The 1/3 Buser Bone Scraper is used to to remove autologous bone for transplantation material. The high quality blades are designed for optimal positioning of transplantation material and ensures optimum cutting of bone material into fine discs without exerting a great deal of pressure.



PPBUSE1/3

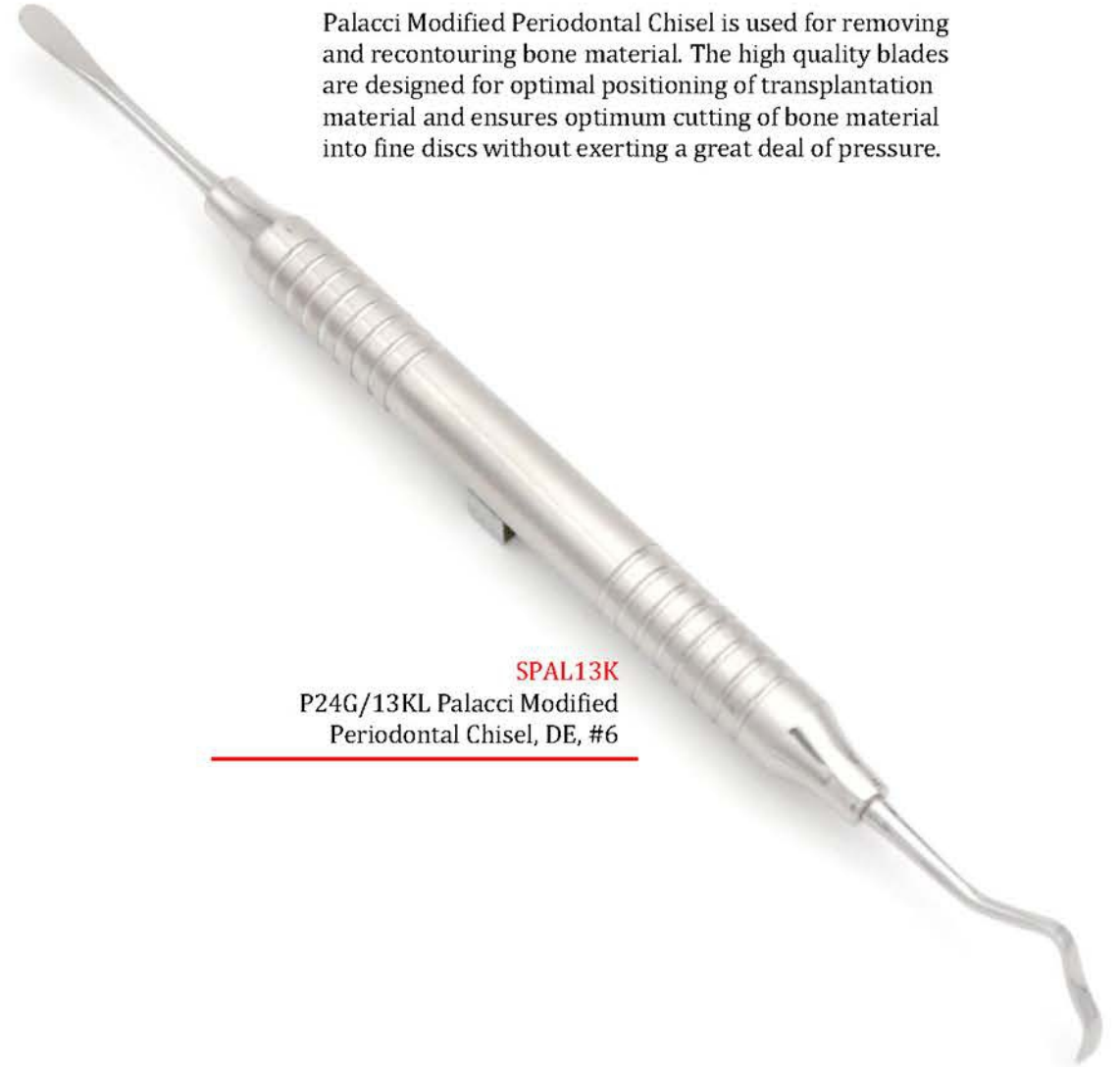
1/3 Buser Bone Scraper,
4,0-6,0mm, DE, #6

Design & Material:

Large diameter hollow handle 9.5mm is used for all dental hand instruments. The thin, unbreakable, yet flexible working tips from a special steel alloy guarantee an extremely long life. Surgical stainless steel material is used. It is ultrasound resistant & completely sterilizable

P24G/13KL Palacci Modified Periodontal Chisel

Palacci Modified Periodontal Chisel is used for removing and recontouring bone material. The high quality blades are designed for optimal positioning of transplantation material and ensures optimum cutting of bone material into fine discs without exerting a great deal of pressure.



SPAL13K

P24G/13KL Palacci Modified
Periodontal Chisel, DE, #6

Periodontal Knives



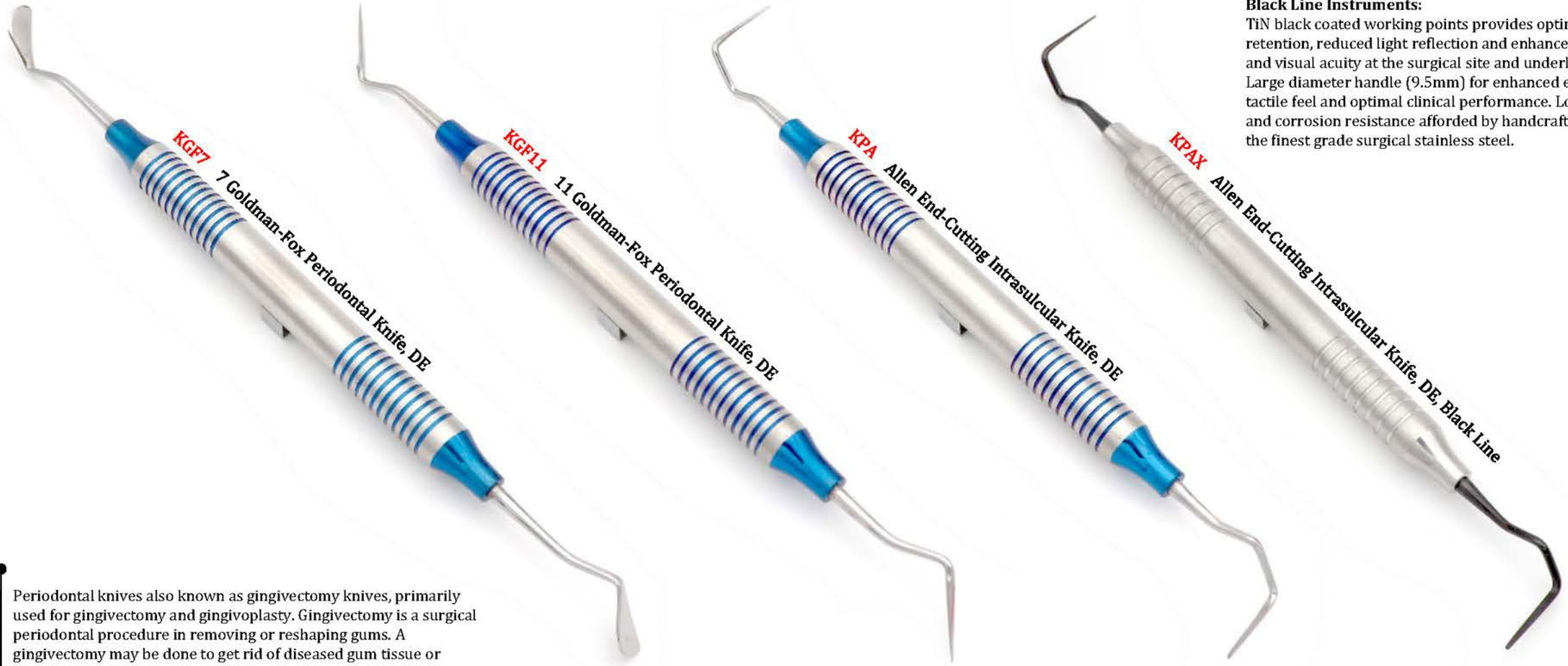
Black Line Instruments:

TiN black coated working points provides optimal edge retention, reduced light reflection and enhanced contrast and visual acuity at the surgical site and underlying tissue. Large diameter handle (9.5mm) for enhanced ergonomics, tactile feel and optimal clinical performance. Longevity and corrosion resistance afforded by handcrafting from the finest grade surgical stainless steel.

Periodontal knives also known as gingivectomy knives, primarily used for gingivectomy and gingivoplasty. Gingivectomy is a surgical periodontal procedure in removing or reshaping gums. A gingivectomy may be done to get rid of diseased gum tissue or pockets between the teeth and gums if it cannot be cured with antibiotics or root planning and scaling. Gingivectomy is usually done before gum disease has damaged the bone supporting your teeth.

Gingivoplasty is a procedure used to reshape and re-contour the gum tissue for cosmetic, physiological, or functional purposes. Gingivoplasty is normally done in combination with gingivectomy. Many patients have a gummy smile which is caused by excessive and overgrown gum tissue that can be removed using gingivoplasty for a more regularly shaped and attractive gums.

Periodontal Knives



Black Line Instruments:

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VISTA Tunneling Instruments



Vestibular Incision Subperiosteal Tunnel Access (VISTA), Progressive apical displacement of gingival tissue away from the CEJ results in gingival recession and root exposure. The clinical consequences include root sensitivity, root caries, cervical root abrasions, inadequate plaque control, and aesthetic concern.

The Vestibular Incision Sub Periosteal Tunnel Access (VISTA) is among the documented surgical treatments of gingival recession. Its advantages include minimizing surgical trauma, maintaining better blood supply, preserving papillary integrity, reducing tissue refraction, absence of scar tissue and excellent root coverage.

VISTA technique improves biotype. It successfully treats multiple recession defects. It avoids some of the potential complications of intrasulcular tunneling techniques.

Titanium Nitride (TiN) black coated working points provides optimal edge retention, reduced light reflection and enhanced contrast and visual acuity at the surgical site and underlying tissue.

Large diameter handle (9.5mm) for enhanced ergonomics, tactile feel and optimal clinical performance. Longevity and corrosion resistance afforded by handcrafting from the finest grade surgical stainless steel. Completely Sterilisable.

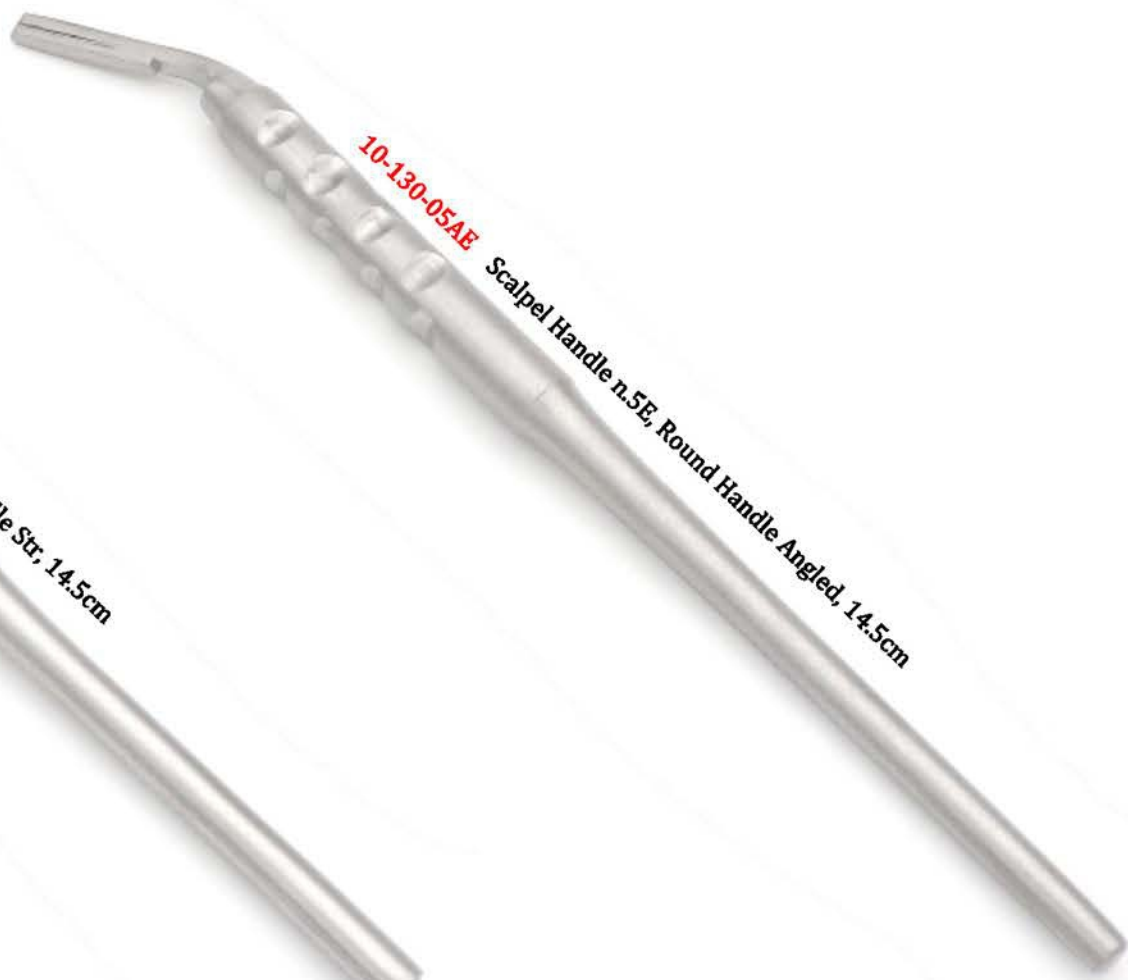
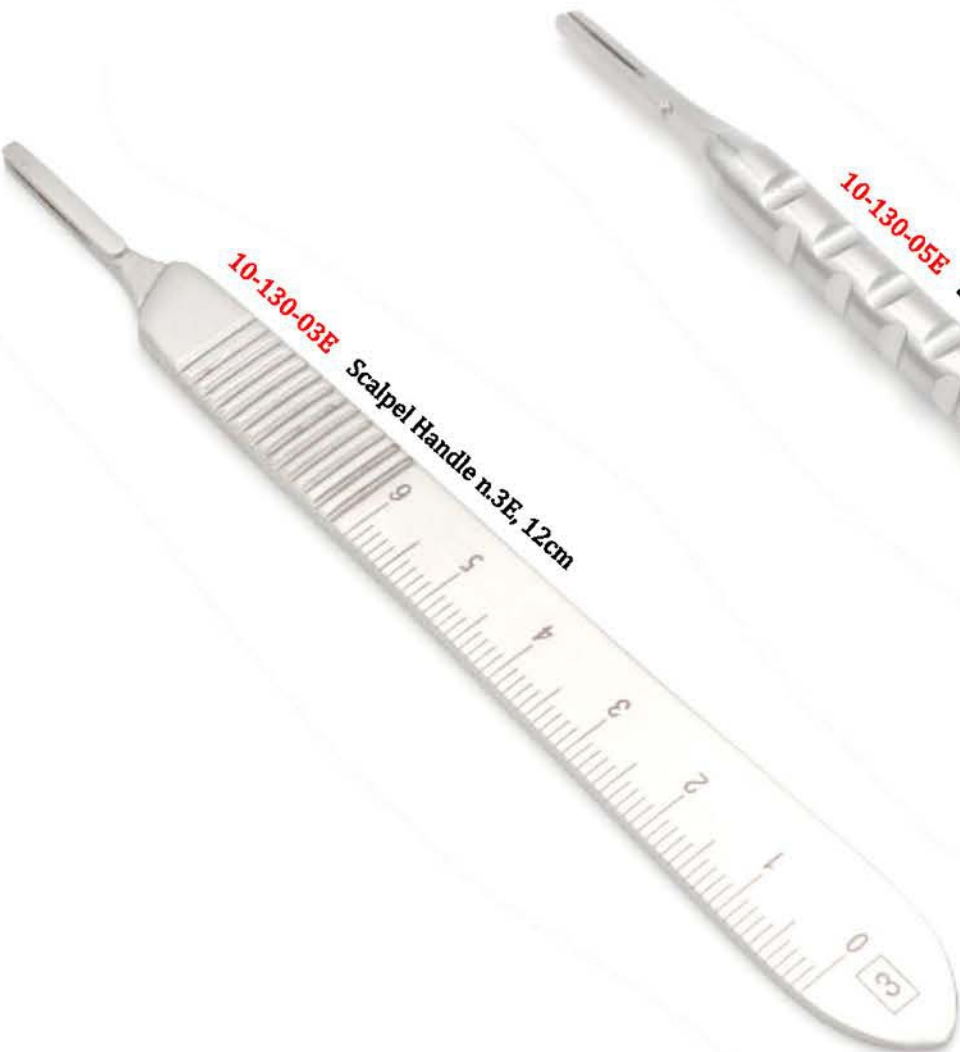


4

SURGICAL

Scalpel Handles
Surgical Aspirator & Syringes
Scissors & Tissue Pliers
Hemostats & Towel Clamps
Retractors & Mouth Props
Bone Curettes & Bone Files
Periosteal Elevators
Needle Holders & Rongeurs
Sinus Lift Elevators
Hammer/Mallets & Chisels
Osteotomes & Bone Pushers
Bone Scrapers
Bone Grafting Applicator
Bone Grafting Syringes
Mixing Bowls
Bone Mills
PRF Box & Accessories
Calipers

SURGICAL - HARD & SOFT TISSUE SURGERY



Scalpel Handles or Microscalpel Blade Holders





ASP4
Surgical Aspirator, Suction
Cannulas (Blow Pipe)
4.0mm/18cm



SYRCW
Petite Aspirating Syringes,
Cook-Waite (C-W) type,
1.8ml, Metric Thread

Scissors

Castroviejo Microsurgery Scissors have 1 Edge Fine Serrated

These scissors have pointed working ends with a Super-Cut finish. The cutting edges are curved and have been developed especially for minimal invasive surgery.

Ergonomic handle design of scissors offer the possibility of a rotary movement. Castroviejo Microsurgery scissors are ideally suited when working with magnifying glasses or a microscope.

Product Details:

Micro Surgery Scissor

Castroviejo design

Available in 2 lengths, 18cm & 16cm

1 edge is fine serrated

Sharp pointed tips

Stainless Steel

Completely sterilizable

Pivot Curved Lock:

Castroviejo Scissors have pivot curved lock. The curved tips of "Pivot-Curved" lock of micro scissors prevent the suture from getting caught and breaking in the instrument. The drilled pivot stabilises the working tips and the round handle eases the rotatory motion in the hand.

Super-Cut Edges:

The razor-sharp cutting edge cuts effortlessly and softly through thicker material. The fine serrated cutting edge on the second blade prevents slipping from tissue and sutures. These Super-Cut is not practical for wire, cartilage and other hard materials. The handles are black coated to help with easier identification.

1 Fine Serrated
Cutting Blade

Curved
Cutting Edges

Pivot Curved
Lock Design

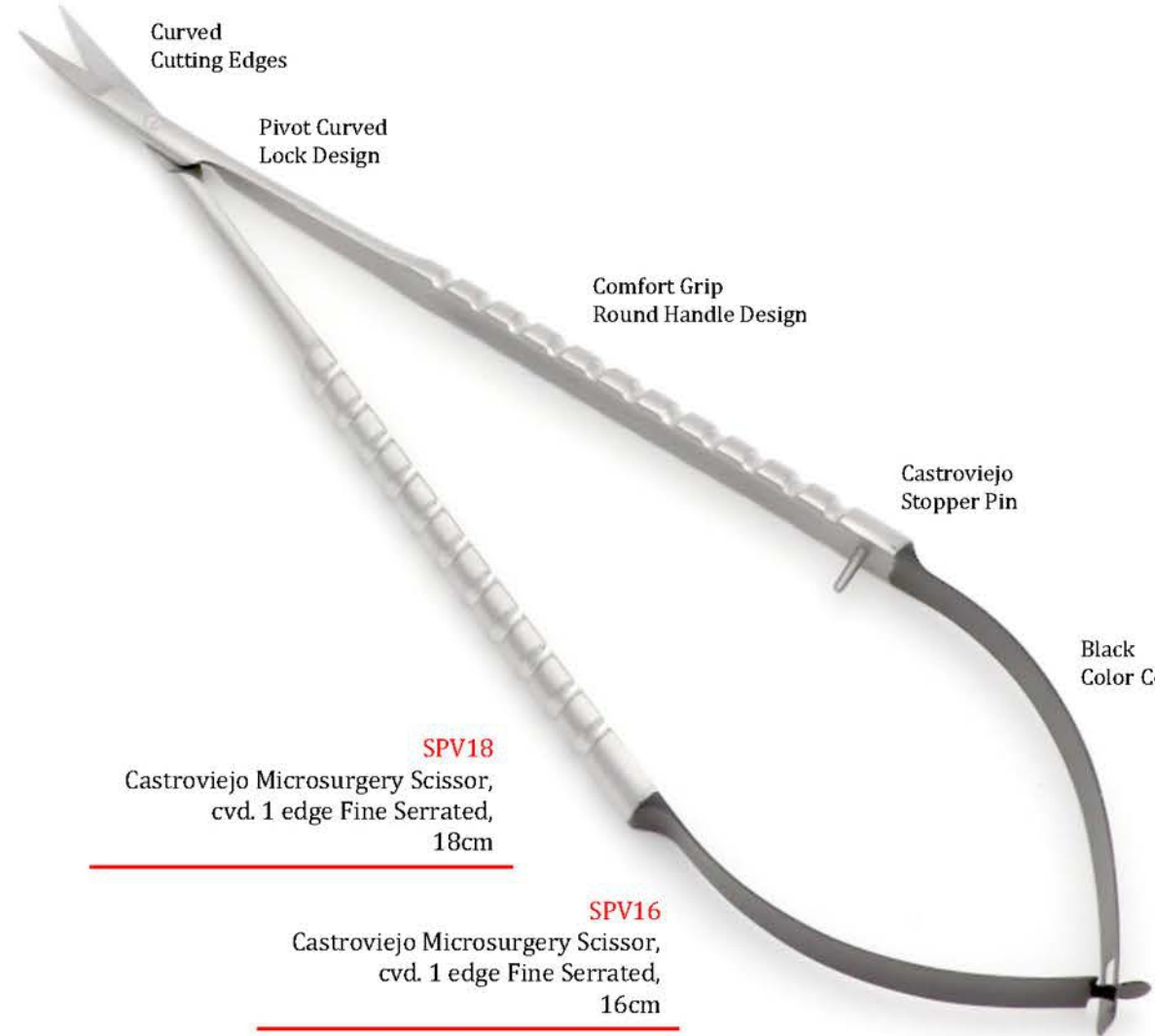
Comfort Grip
Round Handle Design

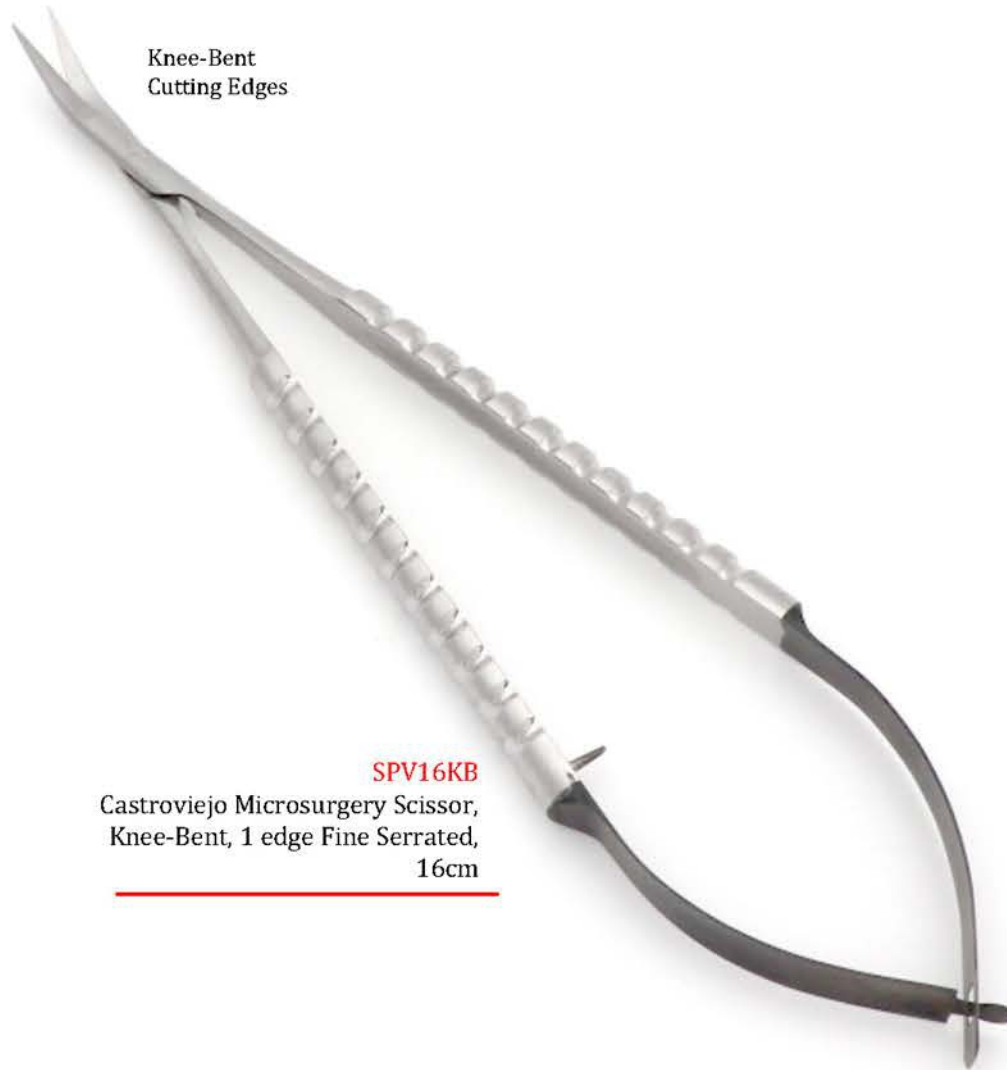
Castroviejo
Stopper Pin

Black
Color Coded

SPV18
Castroviejo Microsurgery Scissor,
cud. 1 edge Fine Serrated,
18cm

SPV16
Castroviejo Microsurgery Scissor,
cud. 1 edge Fine Serrated,
16cm





All scissors are with Tungsten Carbide Inserts & Pointed Edges



S18TC
Iris Curved,
11.5 inch



S17TC
Iris Straight,
11.5 inch



S16TC
Goldman-Fox, Angled,
12.5 inch



S15TC
Goldman-Fox, Straight,
12.5 inch



S5001
Kelly, Curved,
16 inch



S5002
Kelly, Straight,
16 inch



Curved
1 Serrated Edge

S18SC
Iris, Delicate Cvd.
11.5cm



Curved
Smooth Edges

S18
Iris, Fine Cvd.
11.5cm



Straight
1 Serrated Edge

S17SC
Iris, Delicate Str.
11.5cm



Straight
Smooth Edges

S17
Iris, Fine Str.
11.5cm



Angled
1 Edge Serrated

S16SC
Goldman-Fox, Cvd.
12.5cm



Angled
Smooth Edges

S16
Goldman-Fox, Cvd.
12.5cm



Double Curved
1 Serrated Edge

S10SC
Goldman-Fox, Double Cvd.
12.5cm

Scissors



S19TC
Metzenbaum Scissor, cvd,
TC, 1 edge Serrated,
14.5cm



S19
Metzenbaum Scissor, cvd,
RC, Smooth edges,
14.5cm



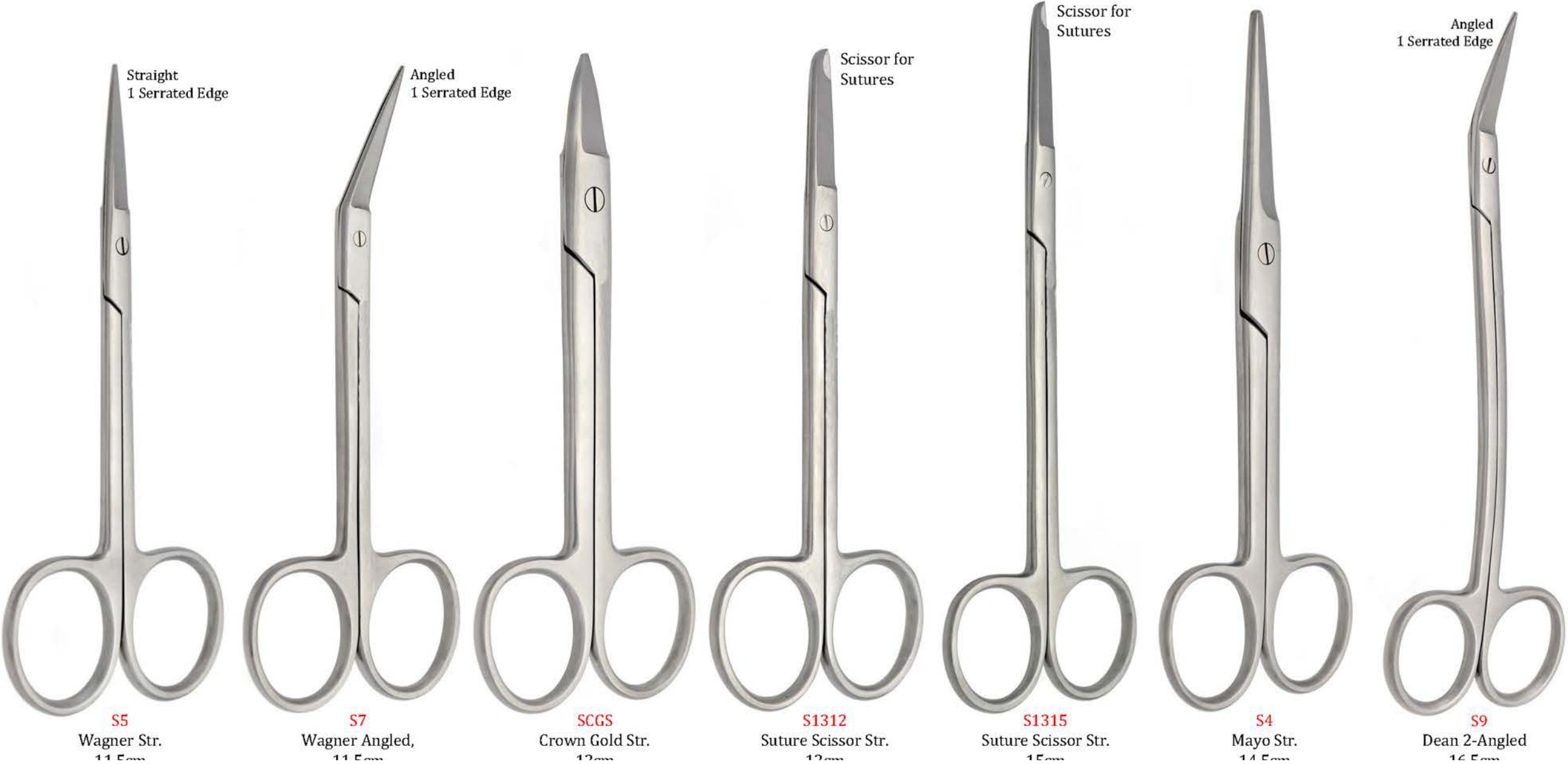
S19SC
Metzenbaum Scissor, cvd,
SC, 1 edge Serrated,
14.5cm



S14SC
Le-Grange, Double Cvd.
11.5cm

Double Curved
1 Serrated Edge

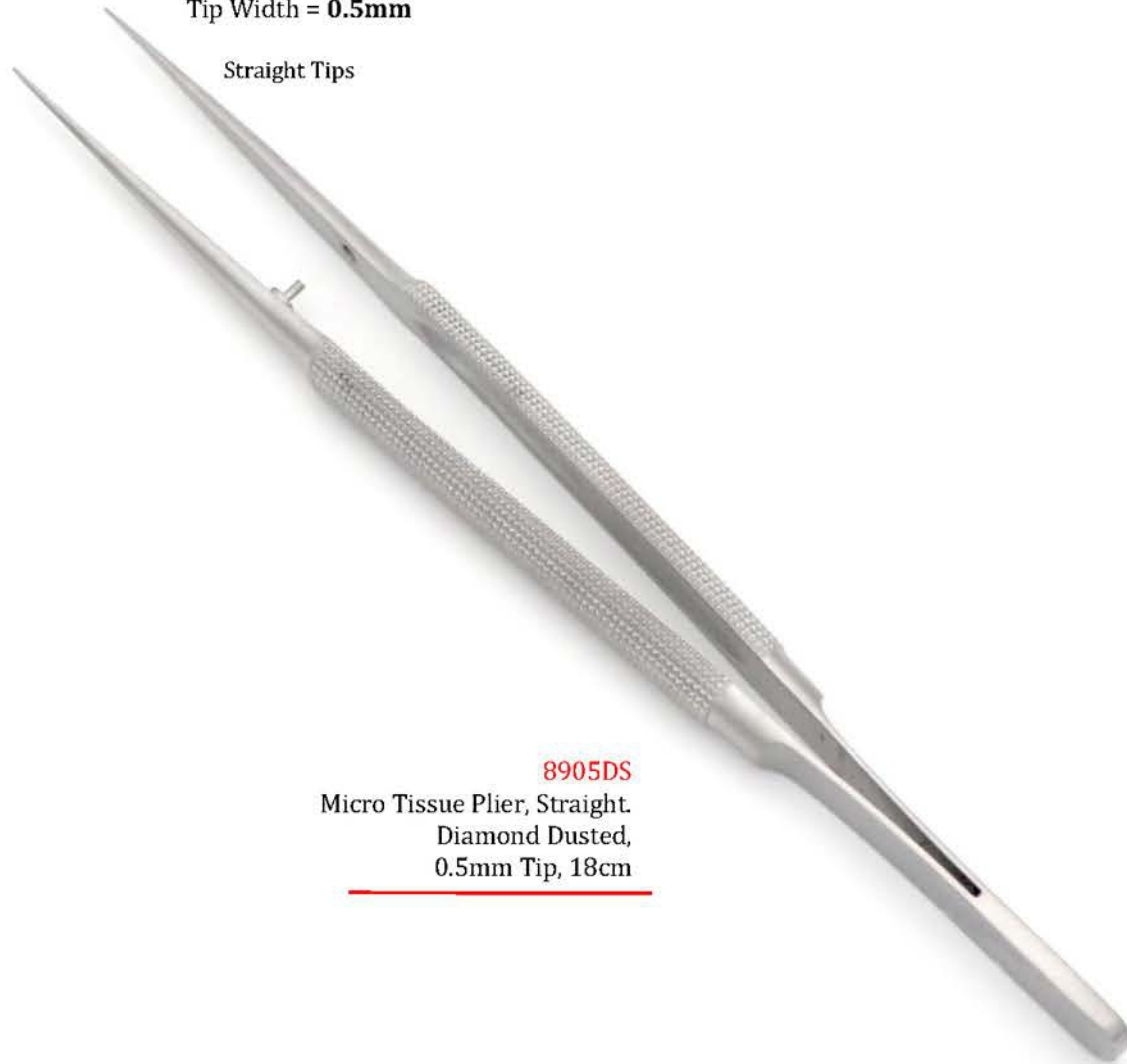
Scissors



Tissue Pliers

Fine Tips
Diamond Dusted
Tip Width = **0.5mm**

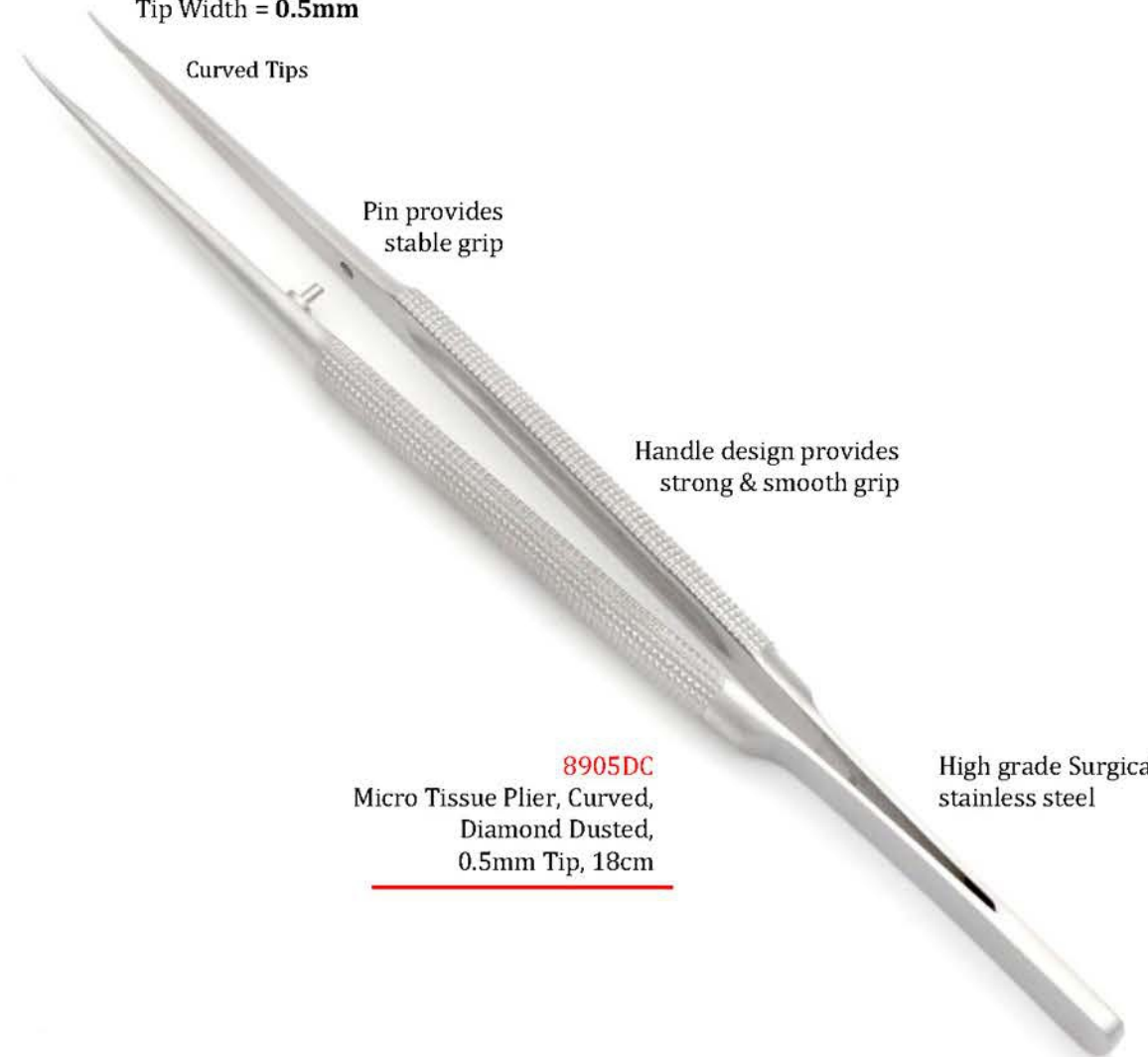
Straight Tips



8905DS
Micro Tissue Plier, Straight.
Diamond Dusted,
0.5mm Tip, 18cm

Fine Tips
Diamond Dusted
Tip Width = **0.5mm**

Curved Tips



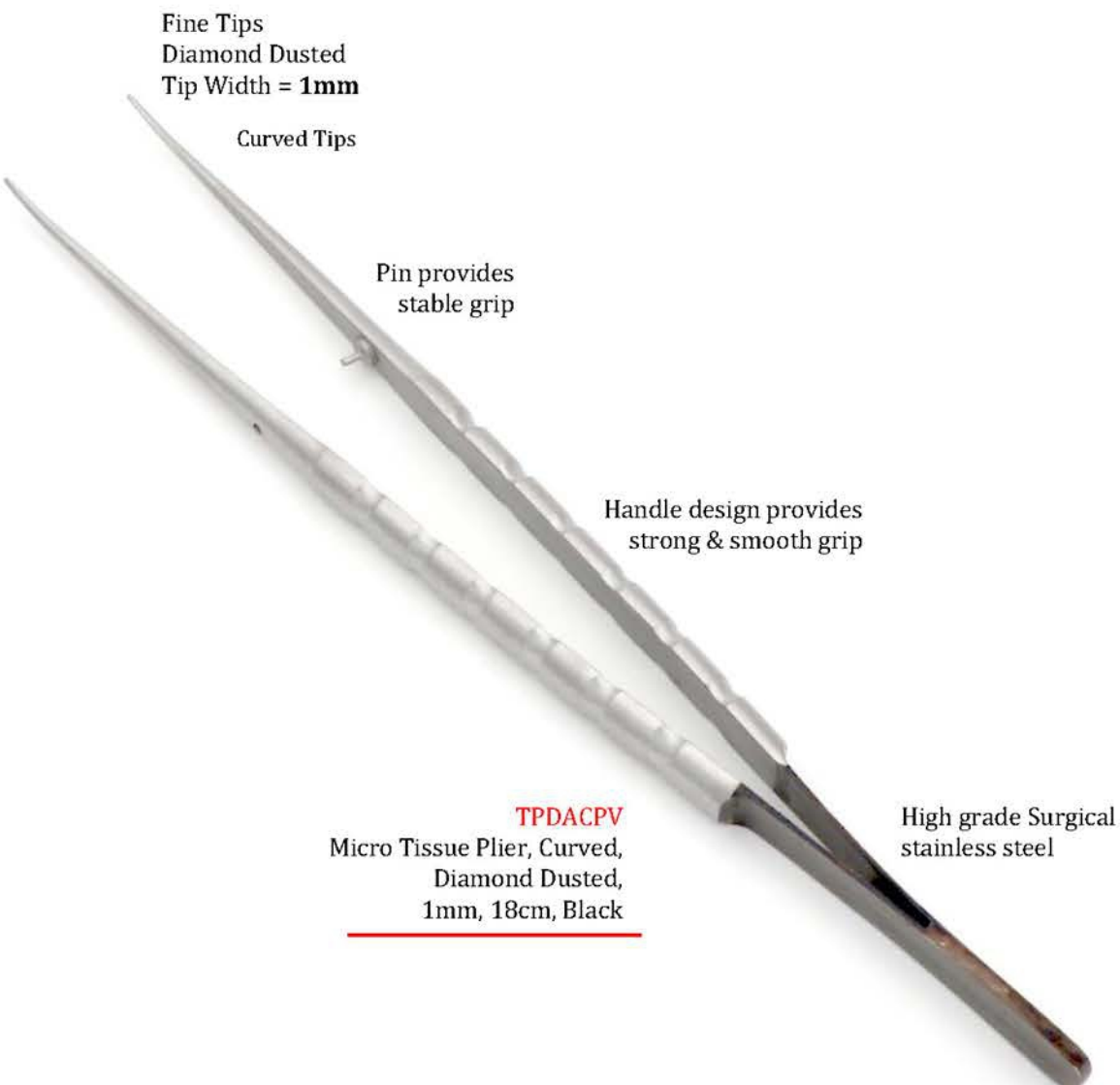
8905DC
Micro Tissue Plier, Curved,
Diamond Dusted,
0.5mm Tip, 18cm

Pin provides
stable grip

Handle design provides
strong & smooth grip

High grade Surgical
stainless steel

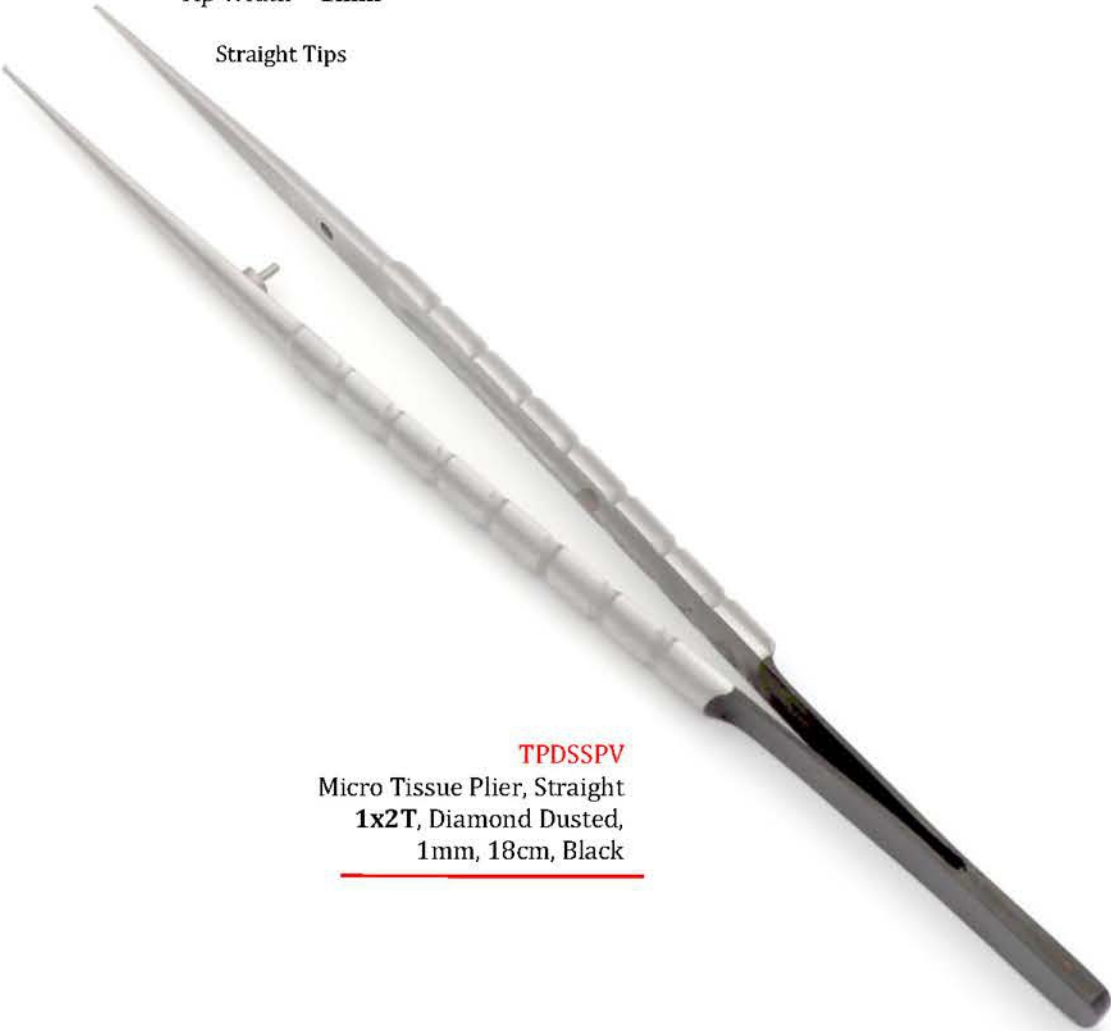
Tissue Pliers



Tissue Pliers

Fine Tips **1x2T**
Diamond Dusted
Tip Width = **1mm**

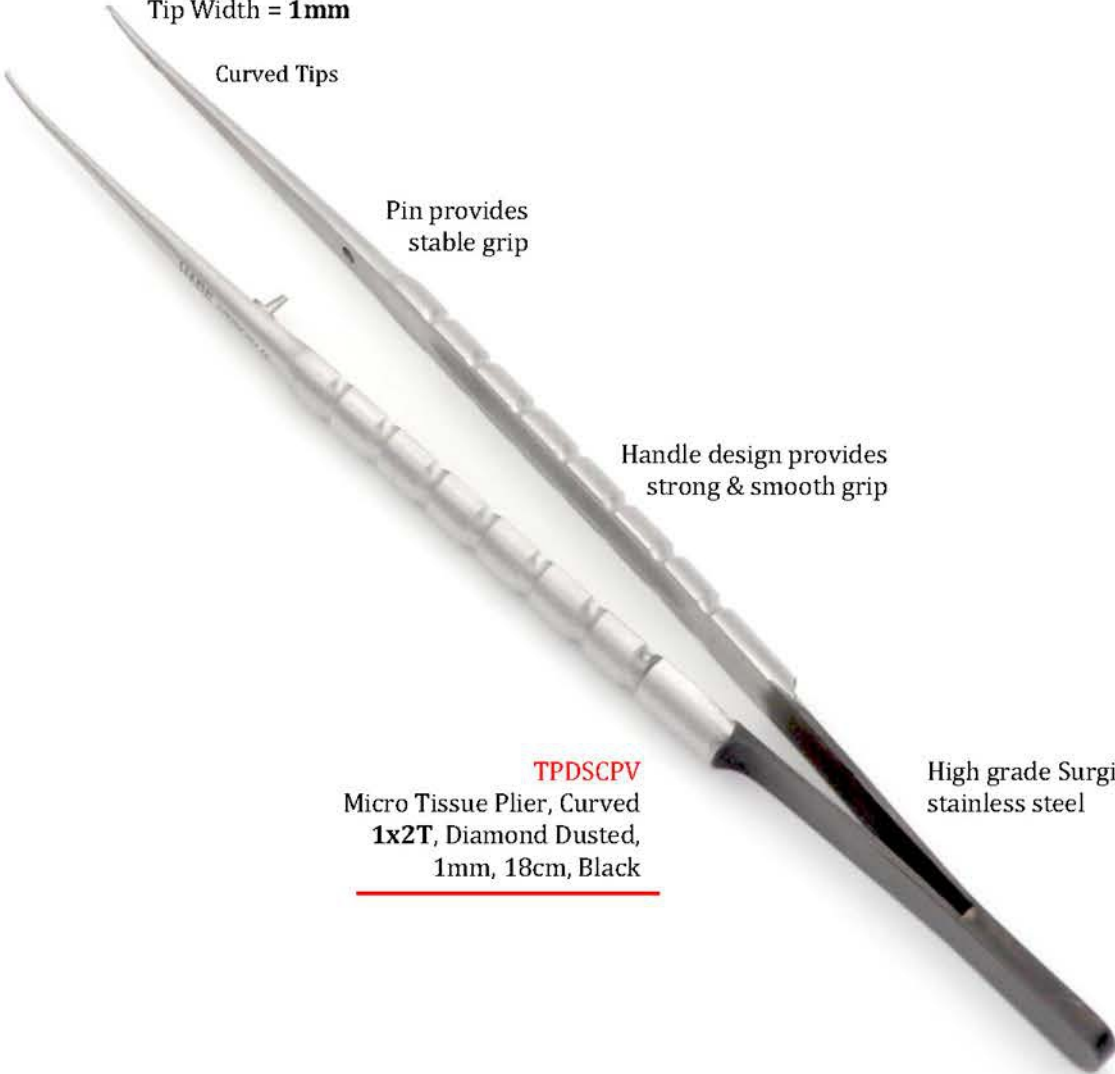
Straight Tips



TPDSSPV
Micro Tissue Plier, Straight
1x2T, Diamond Dusted,
1mm, 18cm, Black

Fine Tips **1x2T**
Diamond Dusted
Tip Width = **1mm**

Curved Tips



Pin provides
stable grip

Handle design provides
strong & smooth grip

TPDSCP
Micro Tissue Plier, Curved
1x2T, Diamond Dusted,
1mm, 18cm, Black

High grade Surgical
stainless steel

Tissue Pliers

Fine Tips **Multiple Teeth**
Tip Width = 1mm

Straight Tips



TPSLCOSMN
Micro Tissue Plier, Straight
Multiple Teeth,
1mm, 18cm, Black

Fine Tips **Multiple Teeth**
Tip Width = 1mm

Curved Tips



Pin provides
stable grip

Handle design provides
strong & smooth grip

TPSLCOCMN
Micro Tissue Plier, Curved
Multiple Teeth,
1mm, 18cm, Black

High grade Surgical
stainless steel

Tissue Pliers



Straight
Tungsten Carbide Inserts



TP5050
Plain Gerald, TC Str. Tissue Plier, 18cm

1x2 Teeth, Straight
Tungsten Carbide Inserts



TP5051
1X2 Gerald TC, Tissue Plier, 18cm

Straight
Serrated Tips



TPG1
Gerald Str. Serrated Tissue Pliers, 18cm

Curved
Serrated Tips



TPG2
Gerald Cvd. Serrated Tissue Pliers, 18cm

1x2 Teeth, Straight
Smooth Tips



TPG3
Gerald Str. 1X2 Teeth Tissue Pliers, 18cm

1x2 Teeth, Curved
Smooth Tips



TPG4
Gerald Cvd. 1X2 Teeth Tissue Pliers, 18cm

Tissue Pliers

Angled
Tungsten Carbide Inserts



TP5061

Cushing TC Tissue Plier, Angled, 18cm

Straight
Tungsten Carbide Inserts



TP5060

Cushing TC Tissue Plier, Str. 18cm

Straight
Tungsten Carbide Inserts



TP5070

General TC Tissue Plier Plain, 15cm

1x2 Teeth, Straight
Tungsten Carbide Inserts



TP5071

1x2 General TC Tissue Plier, 15cm



TP5090

Debakey TC Tissue Pliers, 15cm

Multiple Teeth +
Tungsten Carbide Tips

Tissue Pliers



TP5041
Adson TC
Tissue Plier, 12cm



TP5042
1x2 Adson TC Tissue
Plier, 12cm



TP5043
Adson-Brown TC Multi
Teeth Tissue Plier, 12cm



TP41
41 Plain Adson Tissue
Pliers, 12cm



TP4115
41 Plain Adson Tissue
Pliers, 12cm



TP42
42 1X2 Adson Tissue
Pliers, 12cm



TP43
7X7 Multi Teeth Adson-
Brown Tissue Pliers, 12cm



Suture Plier
Diamond Dusted

Serrated Jaws



APF2

Miller Articulating Paper Forcep,
15.5cm



Angled
Grooved Jaws

EPL1

1 Locking Endo Plier, 16cm



Angled
Serrated Tips

SP20

20 Corn Suture Pliers, 16cm



Curved
Diamond Dusted

SPM20

20 Corn, Micro Surgical Diamond Dusted Suture Pliers, 15cm

Tissue Pliers



S3-076
McIndoe, 1X2 Teeth
Tissue Plier, 16cm



S3-106
Gillies, 1X2 Teeth
Tissue Plier, 16cm



LP41
Splinter Plier,
11.5cm



LP42
Splinter
Plier, 9.5cm



TP31
Semkin Taylor Str. Tissue Pliers, 12.5cm



TP32
Semkin Taylor Cvd. Tissue Pliers, 12.5cm



TP33
Semkin Taylor Str. 1X2 T Tissue
Pliers, 12.5cm



TP34
Semkin Taylor Cvd. 1X2 T Tissue Pliers, 12.5cm

Hemostats & Towel Clamps



Curved
Serrated Jaw

H3
Halsted-Mosquito
curved, 12cm



Straight
Serrated Jaw

H4
Halsted-Mosquito
Straight, 12cm



TC3
Backhaus Towel Clamp, 9cm

TC5
Backhaus Towel Clamp, 13cm



RF90
90° Steiglitz Post and
Point Removal Forceps



RF45
Root Forcep Steiglitz
45°, 13.5cm



RFSTR
Root Forcep Steiglitz
Straight, 13.5cm



RFP
Halsted-Mosquito
45° Curved, 12cm

Retractors, Check and Lip Retractors

CRT3

Kocher-Langenbeck Surgical Retractor,
Downward Curve, 215mm, 11×40mm

CRT2

Kocher-Langenbeck Surgical Retractor,
Downward Curve, 215mm, 14×30mm

CRT1

Kocher-Langenbeck Surgical Retractor,
Downward Curve, 215mm, 11×30mm



Retractors, Check and Lip Retractors

RSMID1

Middeldorpf Retractor,
220mm, 17×14mm

RSMID2

Middeldorpf Retractor,
220mm, 22×20mm

RSSM2

Senn-Miller Retractor, Round,
160mm, 7×8.5mm



Retractors, Check and Lip Retractors

CRURBAN, University of Minneosta modified check retractor, is used to hold mucoperiosteal flaps, cheeks, lips and tongue away from the surgical area. 20.6mm



CRURBAN
Urban Cheek Retractor

CRM, The Minneosta Retractor is used to hold mucoperiosteal flaps, cheeks, lips and tongue away from the surgical area. Retractor is 5.5" and 20.5mm wide and is made from surgical grade stainless steel for longevity and corrosion resistance.



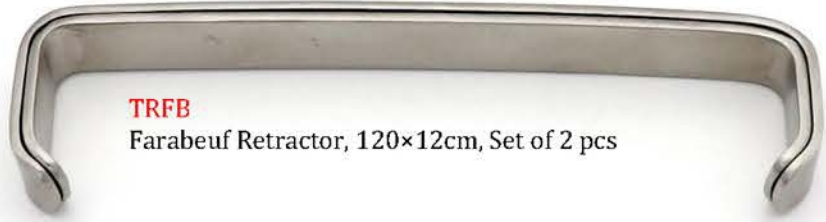
CRM
University of Minneosta Retractor

CRM2, The Camwood-Minnesota Cheek Retractor is used to hold mucoperiosteal flaps, cheeks, lips and tongue away from the surgical area, 5.9" long. Same design as the CRM Minnesota Retractor with longer handle end. Made with surgical grade stainless steel.



CRM2
Cawood Minnesota Cheek Retractor

Retractors, Check and Lip Retractors



TRFB
Farabeuf Retractor, 120×12cm, Set of 2 pcs



CRC
Columbia Cheek Retractor, 12cm



CRLA
Vestibulum Retractor Upper & Lower, 160mm

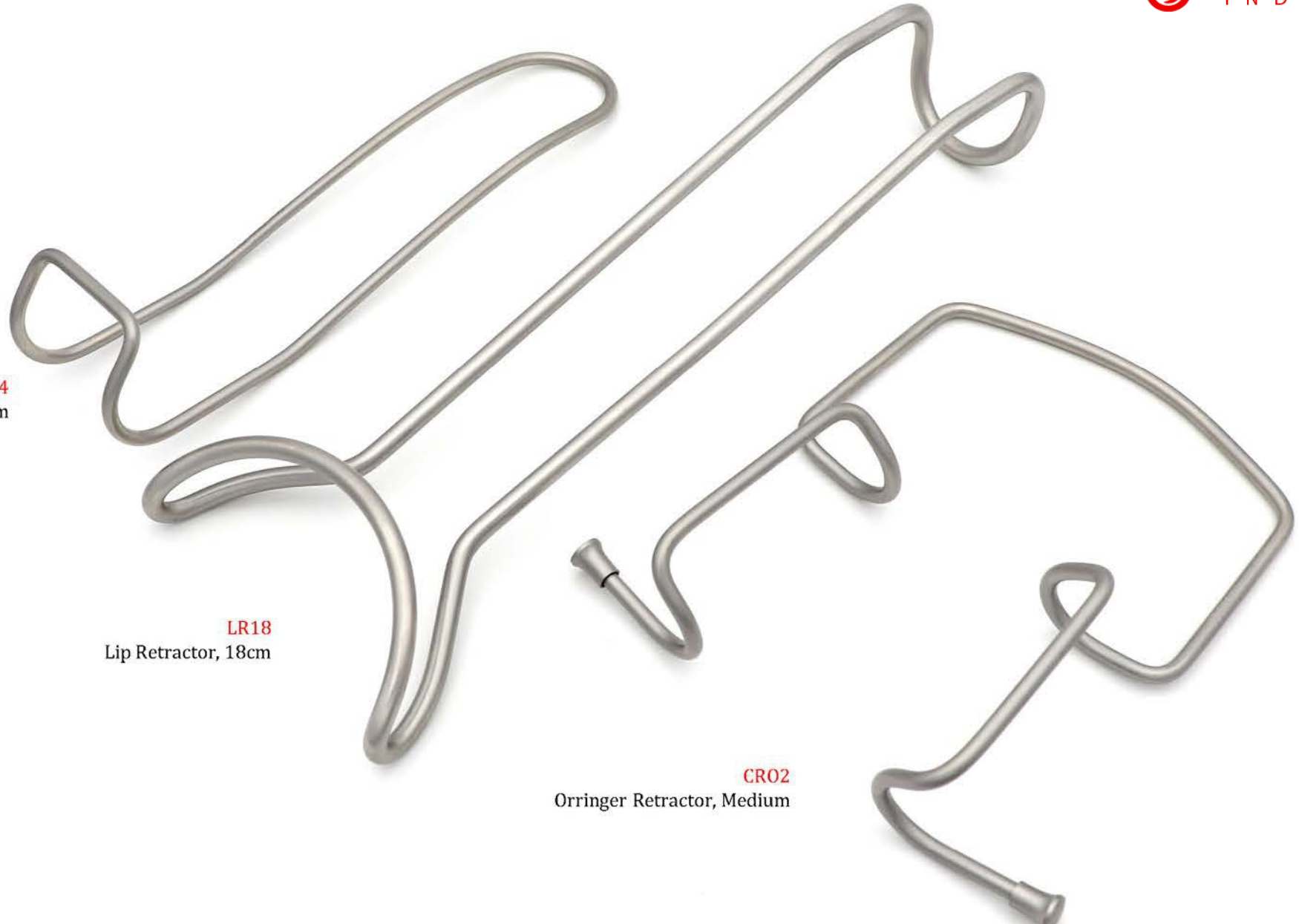


LR19
Lip Retractor, 19cm

SCR14
Columbia Cheek Retractor, 12cm

LR18
Lip Retractor, 18cm

CRO2
Orringer Retractor, Medium



Bone Curettes - Lucas Bone Curettes

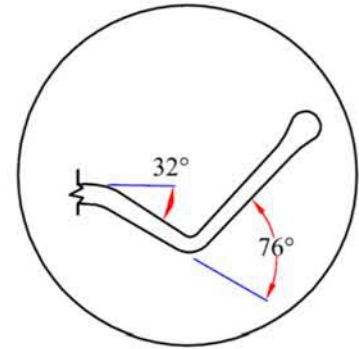


Lucas Surgical Curettes are designed for curettage, cyst removal and tooth socket debridement. Available with working tips width of 2.2mm, 2.5mm, 2.8mm, 3.5mm & 4.7mm.

Made with surgical grade stainless steel.
Hallow Handle, light weight, 9.5mm diameter
Completely Sterilizable

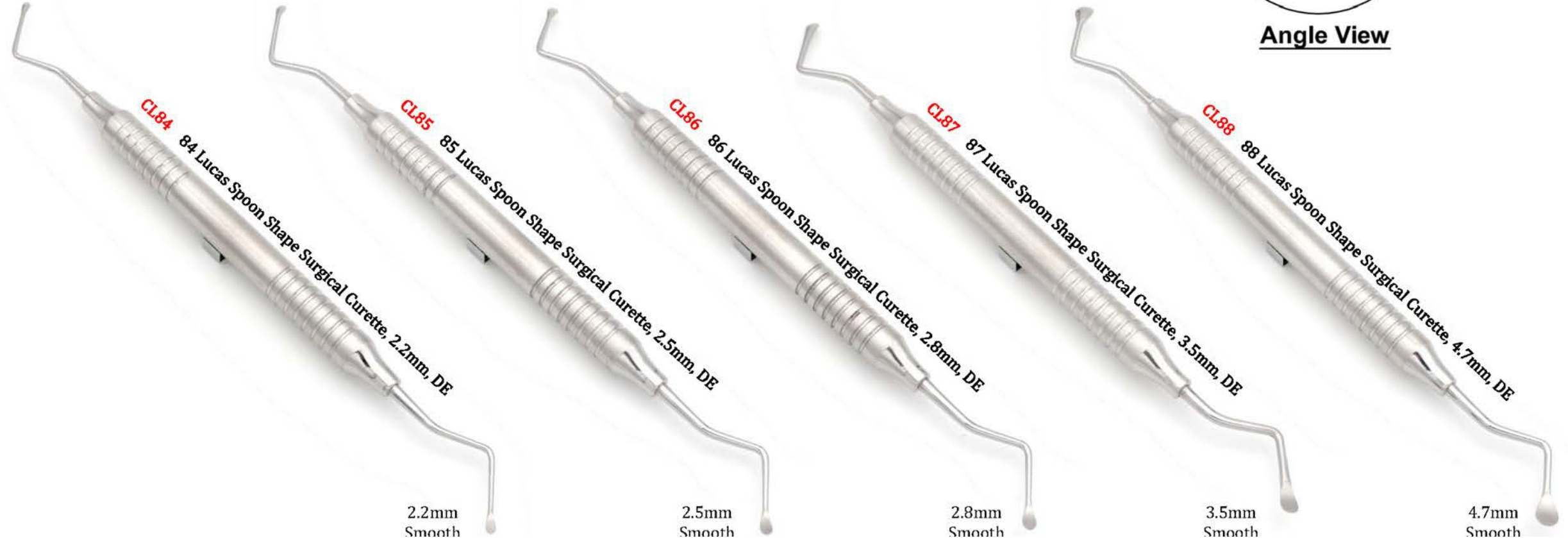
Smooth Working Tips

These Lucas Surgical Curettes have smooth working tips or blades at both ends.
Fine sharp working tips help debride extraction sockets and to create bleeding points for faster healing.



Smooth

Angle View



Bone Currettes - Lucas Bone Currettes (Serrated)

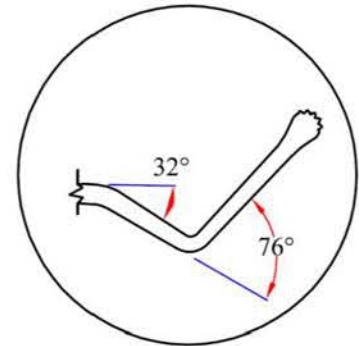


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Made with surgical grade stainless steel.
Hallow Handle, light weight, 9.5mm diameter
Completely Sterilizable

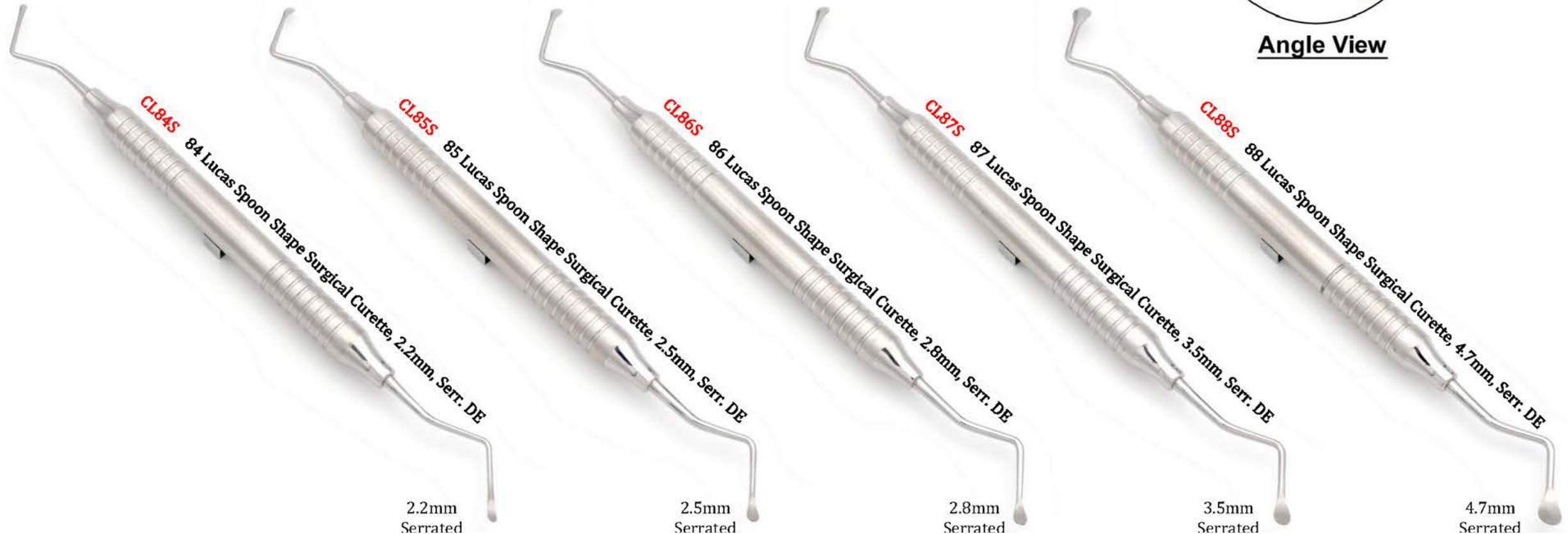
Smooth Working Tips

These Lucas Surgical Currettes have serrated working tips or blades at both ends.
Fine sharp working tips help debride extraction sockets and to create bleeding points for faster healing.



Serrated

Angle View

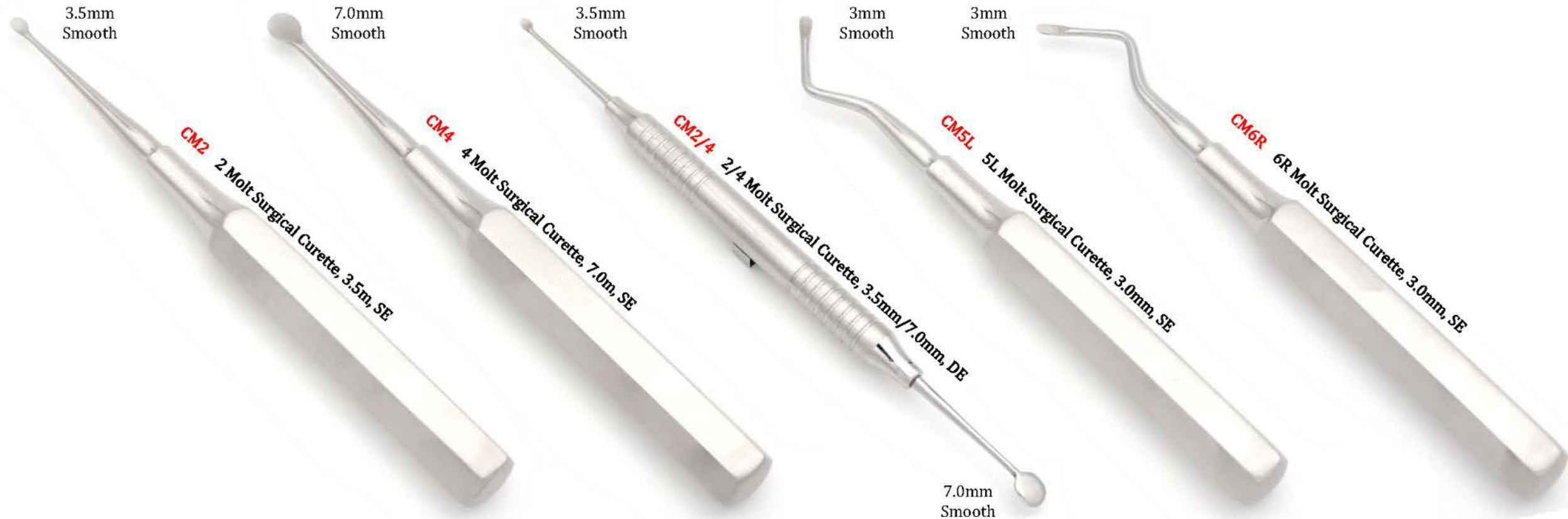


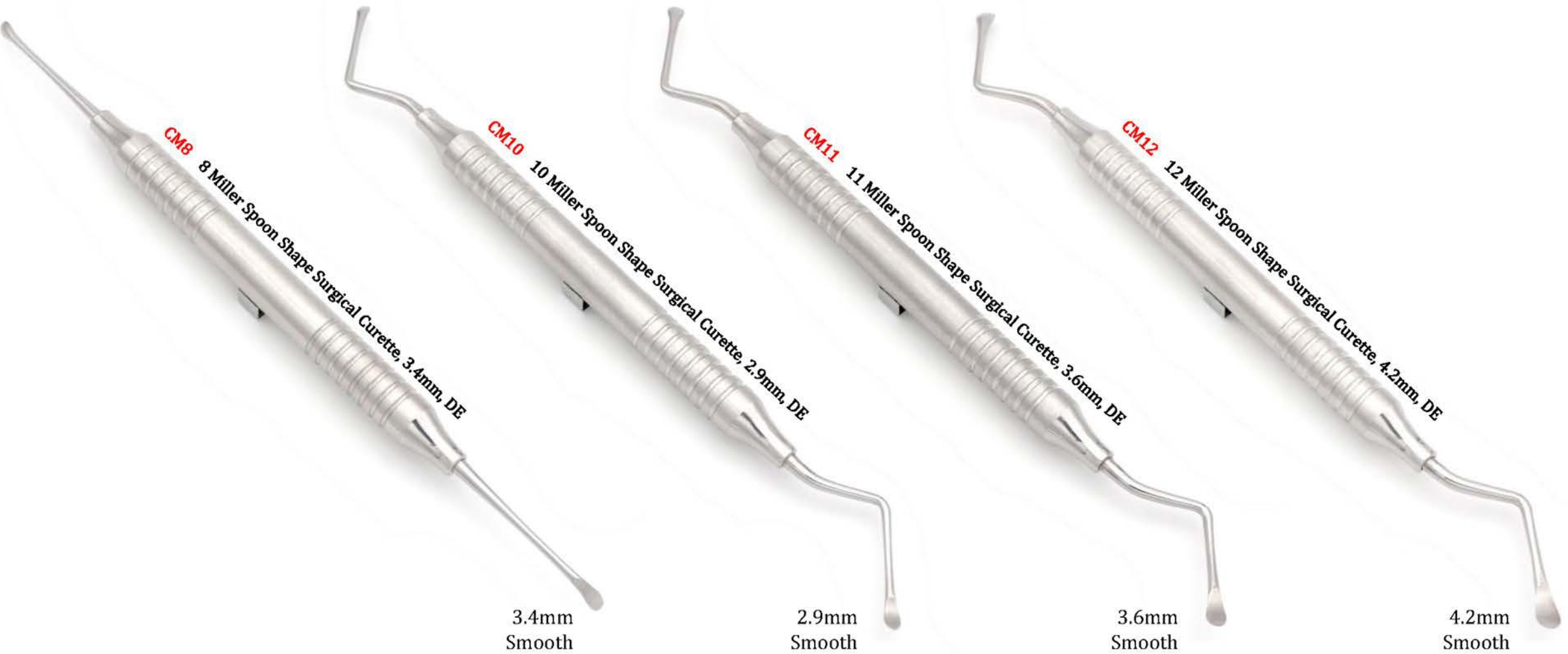
Bone Curettes - Molt Bone Curettes

Molt Surgical curettes are designed for curettage, cyst removal and tooth socket debridement. They are available with working point of 3.0mm, 3.5mm, & 7.0mm diameter.

Made with surgical grade stainless steel.
Hallow Handle, light weight,
9.5mm diameter
Completely Sterilizable

These Curettes feature smooth surface blades at both ends.







Palti/Molt Periosteal is a combination of Palti & Molt Periosteal Elevators. It has Wider working ends than standard Periosteal. It contains a hole to aid suturing.

Hollow short handle design
Double ended hand instrument
Surgical Stainless steel
Completely Sterilizable

3 Prichard periosteal elevator is a double end dental instrument used for reflecting and retracting the mucoperiosteum. Featuring two blades, one large flat blade and one narrow sharp blade on round tip. 4.7mm/11.0mm. The sharp end is used for separating the periosteum from the bone while the wider end is used as an elevator to lift the tissue.

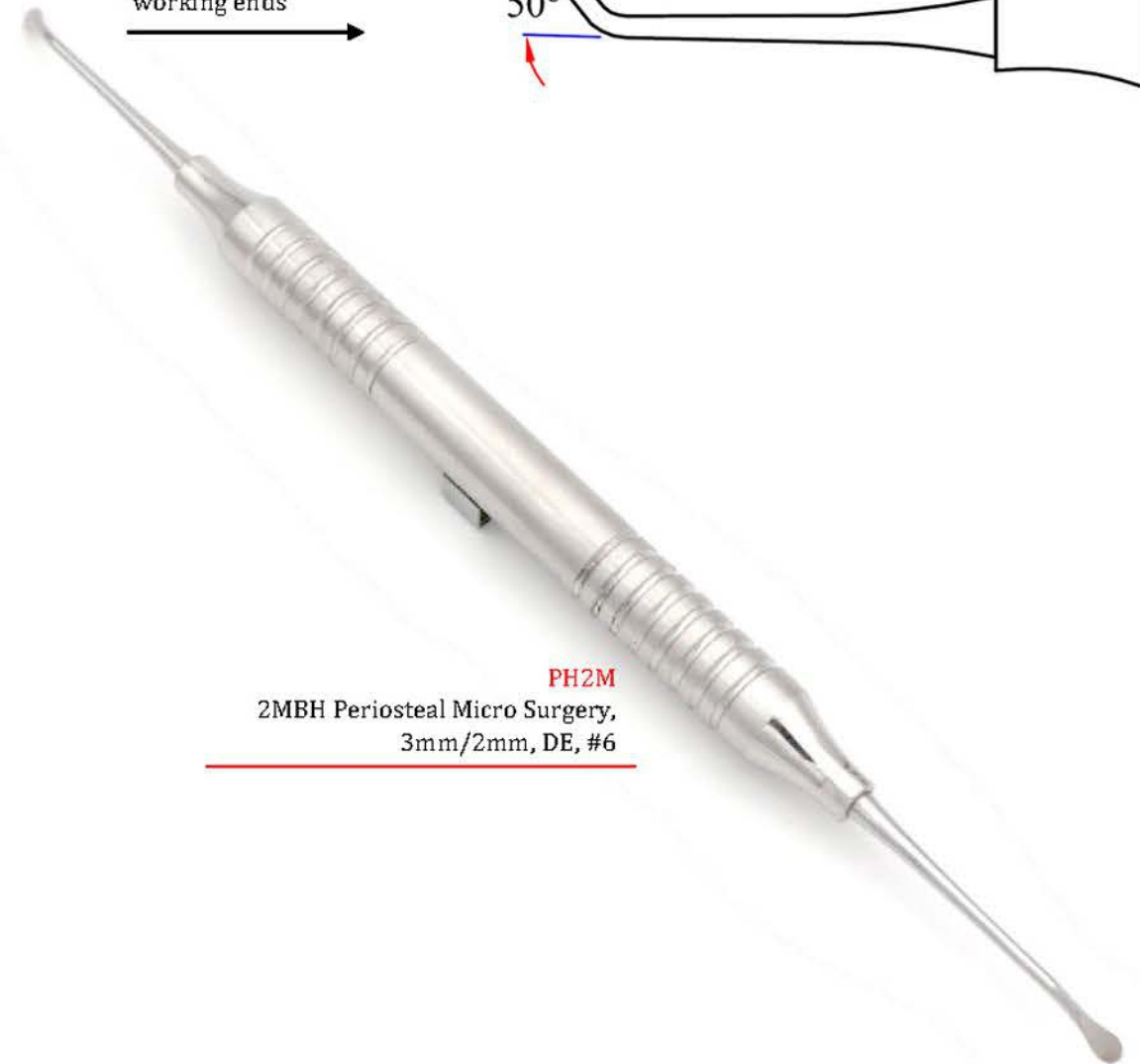
Periosteal Prichard Black Line is coated with TiNi solution. It is used for reflecting and retracting the mucoperiosteum after incisions of the gingival tissue. Black TiNi coating provides optimal edge retention, reduced light reflection and enhanced contrast and visual acuity at the surgical site and

Periosteals are designed for reflecting and retracting the mucoperiosteum after incisions of the gingival tissue. Periosteal elevators are mainly used to lift full thickness soft tissue flaps. The tips require protection and need to be kept very sharp otherwise shredding of the flap can happen. Periosteal flaps make it easy to visualize the area of interest during multiple extractions, particularly cat teeth, and in the creation of sliding flaps and other flaps in periodontal and oral surgery.



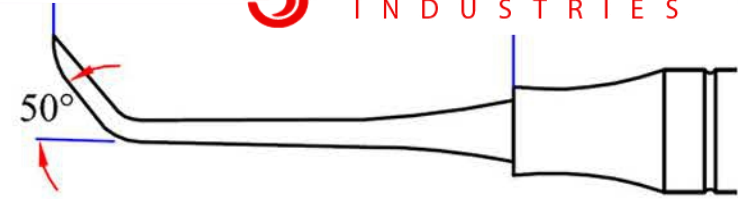


PH2
2 Hourigan Modified Woodson
Periosteal, 4.5mm/3.5mm, DE, #6



PH2M
2MBH Periosteal Micro Surgery,
3mm/2mm, DE, #6

Bothe angled
working ends



Periosteals



9 Molt is a combination of spoon shape elevator with 7.5mm diameter and pointed tip elevator with 4.5mm width.

Hollow short handle design
Double ended hand instrument
Surgical Stainless steel
Completely Sterilizable



Trombelli Periosteals have 3mm width tips on both ends. The sharp end is used for separating the periosteum from the bone while the wider end is used as an elevator to lift the tissue.

Black Line is coated with TiNi solution. It is used for reflecting and retracting the mucoperiosteum after incisions of the gingival tissue. Black TiNi coating provides optimal edge retention, reduced light reflection and enhanced contrast and visual acuity at the surgical site and underlying tissue.







PWILL4
Willinger Periosteal, 4mm



PWILL6
Willinger Periosteal, 6mm

Needle Holders - Microsurgery Velvart Needle Holders

Microsurgical Velvart Needle Holders are used for very fine sutures. Special lock design prevents tangling of the seam. This allows the needle to be guided through coarse gingival tissue with controlled grip pressure.

Recommended suture sizes: 6-0, 7-0, 8-0, 9-0

Tip Width is 1mm

Total Length is 18cm

Diamond Dusted Tips

Surgical Stainless Steel & Completely Sterilizable.



NHDSPVN

Micro Surgical Velvart Needle Holder Straight,
Diamond Dusted Tips 1mm, Length 18 cm

These fine and lightly turn able needle holders have been developed for atraumatic and minimally invasive sewing. Such sutures are used with free mucous membrane transplantation and apical and lateral shifting lobes. Interproximal places can be reached with the slight form of the Barraquer and Castroviejo needle holders. These needle holder suited for the operation with loupe or micro scope.



NHDCPVN

Micro Surgical Velvart Needle Holder Curved,
Diamond Dusted Tips 1mm, Length 18 cm

Pivot Curved

The curved tips of the Pivot –Curved lock of these micro needle holders prevent the suture from getting caught and breaking in the instrument. The drilled pivot stabilises the working tips and the round handle eases the rotatory motion in the hand.

Needle Holders - Microsurgery Castroviejo Needle Holders



Castroviejo Microsurgical Needle Holders are used for fine sutures. Special lock design prevents tangling of the seam. This allows the needle to be guided through coarse gingival tissue with controlled grip pressure.

Recommended suture sizes: 5-0, 6-0, 7-0, 8-0

Tip Width is 1.5mm

Total Length is 18cm

Tungsten Carbide Tips

Surgical Stainless Steel

Completely Sterilizable



NH5024R

Castroviejo Str. Needle Holder, Round Handle,
Tungsten Carbide Tips, 1.5mm, Length 18 cm

NH5024RC

Castroviejo Cvd. Needle Holder, Round Handle,
Tungsten Carbide Tips, 1.5mm, Length 18 cm

Needle Holders - Microsurgery Castroviejo Needle Holders



Castroviejo Microsurgical Needle Holders are used for fine sutures. Special lock design prevents tangling of the seam. This allows the needle to be guided through coarse gingival tissue with controlled grip pressure.

Recommended suture sizes: 5-0, 6-0, 7-0, 8-0

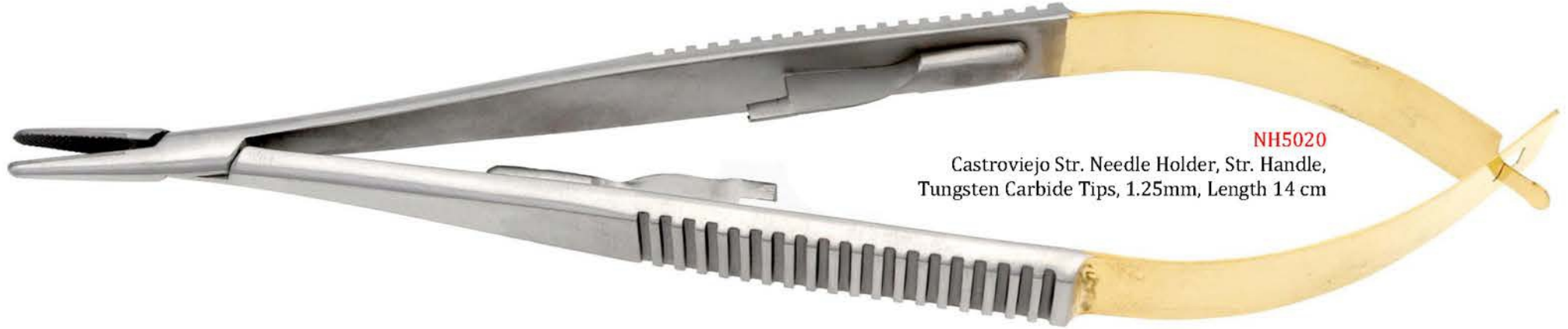
Tip Width is 1.25mm

Total Length is 14cm

Tungsten Carbide Tips

Surgical Stainless Steel

Completely Sterilizable



NH5020

Castroviejo Str. Needle Holder, Str. Handle,
Tungsten Carbide Tips, 1.25mm, Length 14 cm



NH5020C

Castroviejo Cvd. Needle Holder, Str. Handle,
Tungsten Carbide Tips, 1.25mm, Length 14 cm

Needle Holders - Microsurgery Castroviejo Needle Holders



These Microsurgical Needle Holders are used for very fine sutures. Special lock design prevents tangling of the seam. This allows the needle to be guided through coarse gingival tissue with controlled grip pressure.

Recommended suture sizes: 5-0, 6-0, 7-0, 8-0
Tip Width is 2mm
Total Length is 18cm
Tungsten Carbide Tips
Surgical Stainless Steel
Completely Sterilizable.



NH5017R

Castroviejo Str. Needle Holder, Round Handle, Tungsten Carbide Tips, 2.0mm, Length 18 cm

These fine needle holders have been developed for atraumatic and minimally invasive sewing. Such sutures are used with free mucous membrane transplantation and apical and lateral shifting lobes. Interproximal places can be reached with the slight form of the Barraquer and Castroviejo needle holders. These needle holder suited for the operation with loupe or micro scope.



NH5017RC

Castroviejo Cvd. Needle Holder, Round Handle, Tungsten Carbide Tips, 2.0mm, Length 18 cm

Ergonomics Handle Design

New handle design (Round Solid), aligned to pressure and tug, allows tactile working. Direct and controlled power transfer the possible with the new handle.

Needle Holders - Arruga Needle Holders

These Arruga Needle Holders are used to grasp and guide the needle when suturing. It is a single spring instrument with a ratchet locking mechanism at the base of the rectangular plier handle

NHA16TC is manufactured with Tungsten Carbide inserts, with pyramidal profile, to assure a firm positive grip. Tungsten Carbide beaks, promotes longevity and corrosion resistance. Tip width is 2mm.

NHA16 is manufactured with cross serrated tips. Tip width is 2mm.

Recommended for 5-0, 6-0, 7-0, 8-0 sutures.
Surgical grade stainless steel
Warranty against defects in material and workmanship.
Total Length 16cm
Completely Sterilizable



NHA16TC
Arruga Needle Holder,
Tungsten Carbide Tips, 2.0mm, 16cm



NHA16
Arruga Needle Holder,
Cross Serrated Tips, 2.0mm, 16cm

Needle Holders - Mathieu Needle Holders

Mathieu Needle Holder is a single spring instrument with a plier handle grip that curves inward at the bottom and features a ratchet locking mechanism at the base of the handles that can be easily squeezed to be locked and unlocked. This needle holder is used when more refined suturing is required.



NHM17TC
Mathieu Needle Holder,
Tungsten Carbide, 17cm

NHM17TC is manufactured with Tungsten Carbide inserts, with pyramidal profile, to assure a firm positive grip. Tungsten Carbide beaks, promotes longevity and corrosion resistance. Tip width is 2mm.

NHM17 is manufactured with cross serrated tips. Tip width is 2mm.

NHMK14TC is manufactured with Tungsten Carbide inserts, with pyramidal profile, to assure a firm positive grip. Tungsten Carbide beaks, promotes longevity and corrosion resistance. Tip width is 2mm.

Surgical grade stainless steel
Warranty against defects in material and workmanship.
Completely Sterilizable



NHM17
Mathieu Needle Holder,
Serrated Jaws, 17cm



NHMK14TC
Mathieu-Kocher Needle Holder,
Tungsten Carbide, Inner Clamp, 14cm

Needle Holders - Lichtenberg Needle Holders



These Arruga Needle Holders are used to grasp and guide the needle when suturing.

It is a single spring instrument with a ratchet locking mechanism at the base of the rectangular plier handle. **NHLB17TC** is manufactured with Tungsten Carbide inserts, with pyramidal profile, to assure a firm positive grip. Tungsten Carbide beaks, promotes longevity and corrosion resistance. **NHLB17** is manufactured with cross serrated tips.

Recommended for 3-0, 4-0, 5-0 sutures.

Surgical grade stainless steel

Warranty against defects in material and workmanship.

Total Length 17cm

Completely Sterilizable



NHLB17TC

Lichtenberg Needle Holder,
Tungsten Carbide, 1.0mm, 17cm



NHLB17

Lichtenberg Needle Holder, Cross
Cross Serrated Tips, 1.0mm, 17cm

Needle Holders - Gillies Needle Holders

Gillies Needle Holder is designed for use with delicate suturing needles for closing wounds. This product has an offset design with curved, Tungsten Carbide inserts to make it a versatile tool, including plastic surgery procedures. The Gillies needle holder has an offset larger ring

The needle holder does not have a locking mechanism for quick suturing. Suitable for both anterior and posterior use. Tungsten Carbide inserts with a diamond cut pyramidal profile which ensures a firm, positive needle grip.

Recommended for 3-0, 4-0, 5-0 sutures.

Surgical grade stainless steel

Warranty against defects in material and workmanship.

Total Length 17cm

Completely Sterilizable



NHGTC
Gillies Needle Holder,
Tungsten Carbide, 16cm, 2.5mm

Needle Holders - Crile-Wood Needle Holders

These Needle Holders are used to grasp and guide the needle when suturing. Featuring 3-0 to 5-0 carbide beaks, finger ring style. Tungsten Carbide inserts with a diamond cut pyramidal profile which ensures a firm, positive needle grip.

Suitable for general use use with 3-0,4-0,5-0, 6-0 sutures.

Surgical grade stainless steel, Tungsten Carbide beaks, promotes longevity and corrosion resistance.

Warranty against defects in material and workmanship.

Total Length 15cm

Completely Sterilizable



NHCW

Crile-Wood Needle Holder,
Cross Serrated, 15 cm, 2.0mm Tip



NHCWTC

Crile-Wood Needle Holder,
Tungsten Carbide, 15 cm, 2.0mm Tip



NH5052

Fine-Swedish Needle Holder,
Tungsten Carbide, 15 cm, 1.5mm Tip

Needle Holders - Mayo-Hegar Needle Holders

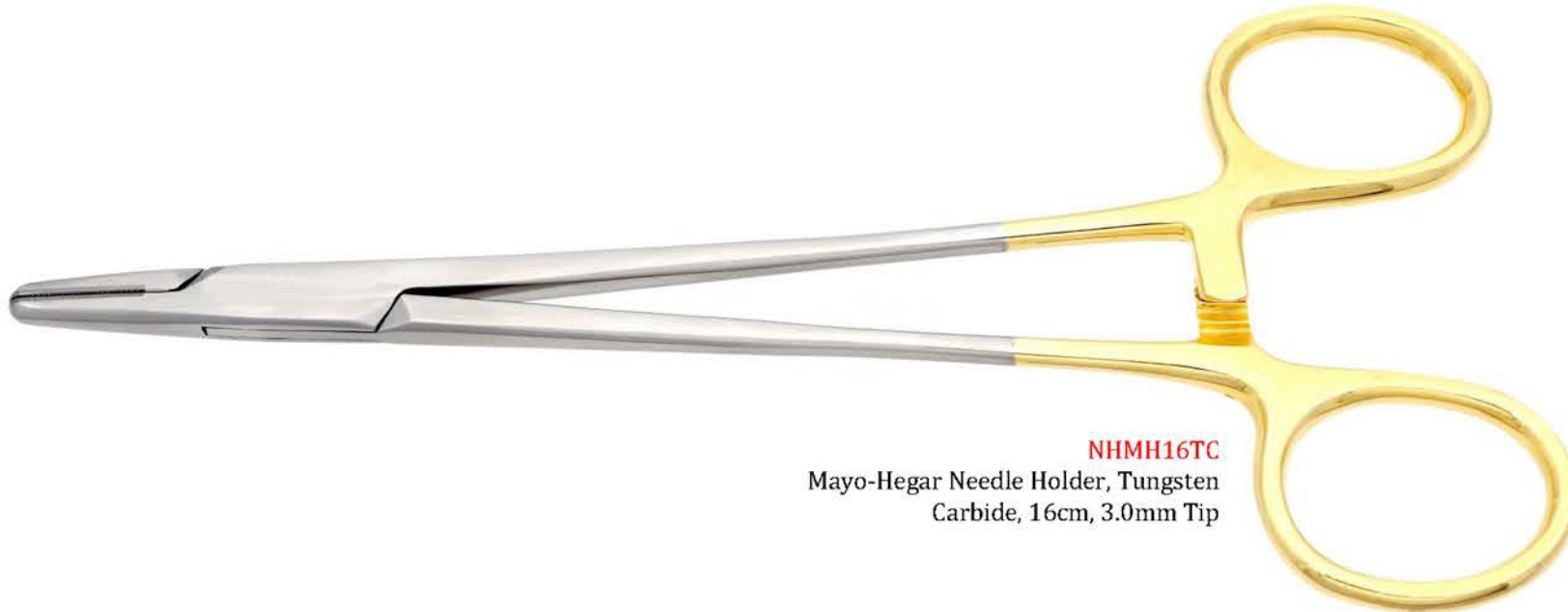
These Mayo-Hegar Needle Holder are a ratcheted, finger ring instruments available in a wide range of lengths, and used in multiple types of surgical procedures. Due to versatility, it is one of the most commonly used surgical tools for both human and animal procedures. Shorter length products may be used in oral, gynecological, or dermatological procedures, as well as with small animals. Larger lengths of this product may be used for deep tissue suturing such as in bariatric procedures, or in large animal procedures.

The Mayo-Hegar needle holder is commonly used with larger, heavier suture needles because of its wide jaws. **NHMH16** is with Cross Serrated jaws, **NHMH16TC** is with Tungsten Carbide inserts with a diamond cut pyramidal profile which ensures a firm, positive needle grip.

Suitable for general use with 3-0, 4-0, 5-0, 6-0 sutures.
Surgical grade stainless steel
Warranty against defects in material and workmanship.
Total Length 16cm, 3.0mm tip width
Completely Sterilizable



NHMH16
Mayo-Hegar Needle Holder,
Cross Serrated, 16cm, 3.0mm Tip



NHMH16TC
Mayo-Hegar Needle Holder, Tungsten
Carbide, 16cm, 3.0mm Tip

Needle Holders - Mini-Ryder Needle Holders

Mini Ryder micro needle holder is a ratcheted, finger ring instrument that features narrow jaws and is commonly used with very small suture needles in cardiovascular, plastic, and neurosurgical procedures. Tungsten carbide micro cross-serrated tips firmly grip the small needle and assist with keeping it from twisting during suturing and are identified by gold handles. The Ryder is available in different lengths, serrated or smooth tip. The Ryder's finger ring profile distinguishes it from others in this product class.

Short narrow beaks, for use with 8-0, 9-0, 10-0 sutures.

Tip Width is 1.5mm

Available in 15cm & 18cm lengths

Tungsten Carbide inserts with a diamond cut pyramidal profile

Surgical Stainless Steel

Completely Sterilizable



NHMR15TC

Mini-Ryder Needler Holder,
Tungsten Carbide, 15cm, 1.5mm



NHMR18TC

Mini-Ryder Needler Holder,
Tungsten Carbide, 18cm, 1.5mm

Needle Holders - Olsen-Hegar Needle Holders

Olsen-Hegar Needle Holder is a ratcheted, finger ring instrument that also has built in scissors. It is used with intermediate weight sutures, commonly in plastic surgery procedures. This product is straight with delicate, smooth tips, and an overall length of 17cm.

Cross Serrated Jaws

Overall length is 17cm

Also available with Tungsten Carbide inserts (on request).

Surgical Stainless Steel

Completely Sterilizable



NHOH17TC

Olsen-Hegar Needle Holder,
Tungsten Carbide inserts, 17cm



NHOH17

Olsen-Hegar Needle Holder, 17cm

Needle Holders - Derf & Halsey Needle Holders

Mini Ryder micro needle holder is a ratcheted, finger ring instrument that features narrow jaws and is commonly used with very small suture needles in cardiovascular, plastic, and neurosurgical procedures. Tungsten carbide micro cross-serrated tips firmly grip the small needle and assist with keeping it from twisting during suturing and are identified by gold handles. The Ryder is available in different lengths, serrated or smooth tip. The Ryder's



NHD12TC
Derf Needle Holder,
Tungsten Carbide, 2.0mm, 12cm



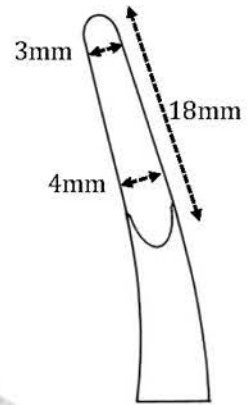
NHH13TC
Halsey Needle Holder,
Tungsten Carbide, 2.0mm, 13cm



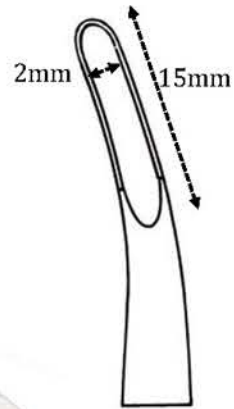
NHD12
Derf Needle Holder,
Cross Serrated, 2.0mm, 12cm



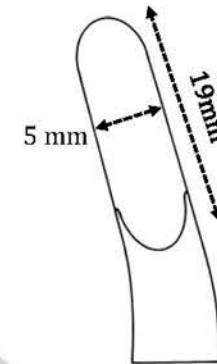
Delicate, light, Fine line
NHH13TCF
Halsey Needle Holder,
Tungsten Carbide, 1.25mm, 13cm, Fine Line



RBEY
Beyer Bone Rongeur,
Double Action Hinged,
Curved 15°,
18mm/3mm, 18cm



RBOEC
Boehler Bone Rongeur,
Double Action Hinged,
Curved 30°,
15mm/2mm, 15cm



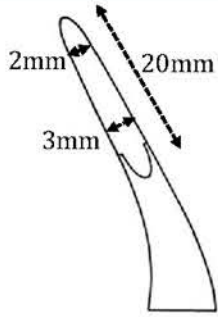
RBRCM
Ruskin Mini Bone Rongeur,
Double Action Hinged,
Curved, 15°,
19mm/5mm, 15cm



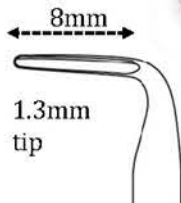
RBL45
Blumenthal Bone Rongeur,
Angled 45°,
3mm, 15cm



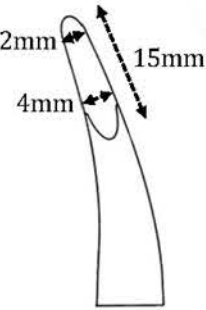
R4A
4A Cleveland Bone Rongeur,
Curved 30°,
15cm



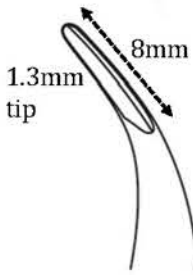
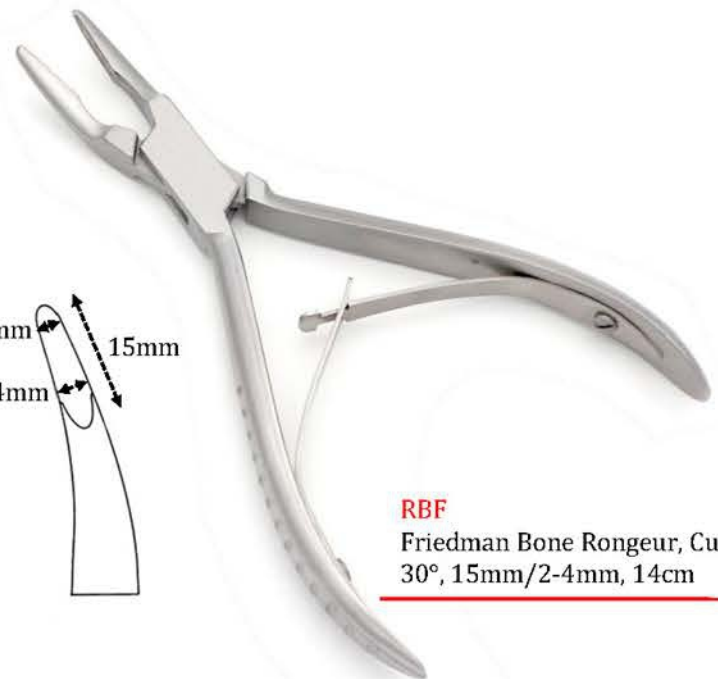
RBFF
Friedman Fine Bone Rongeur,
Curved, 30°, 20mm/2-3mm, 14cm



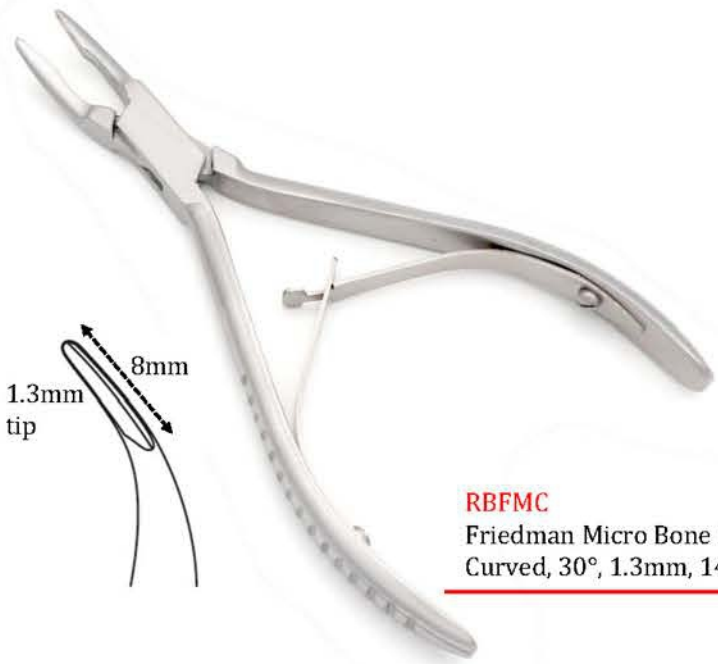
RBFMA
Friedman Micro Bone Rongeur,
Angled, 90°, 1.3mm, 14cm



RBF
Friedman Bone Rongeur, Curved,
30°, 15mm/2-4mm, 14cm



RBFMC
Friedman Micro Bone Rongeur,
Curved, 30°, 1.3mm, 14cm





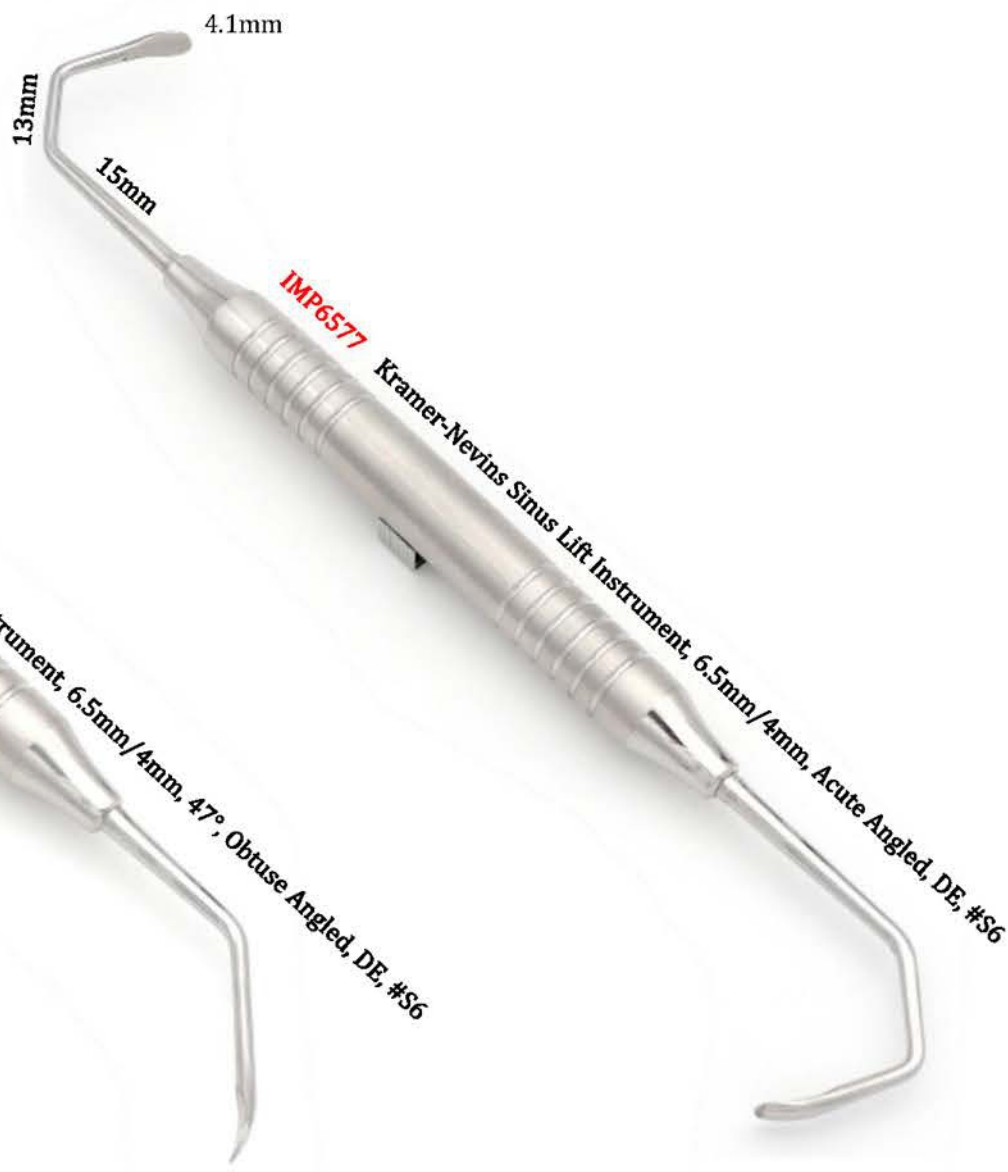
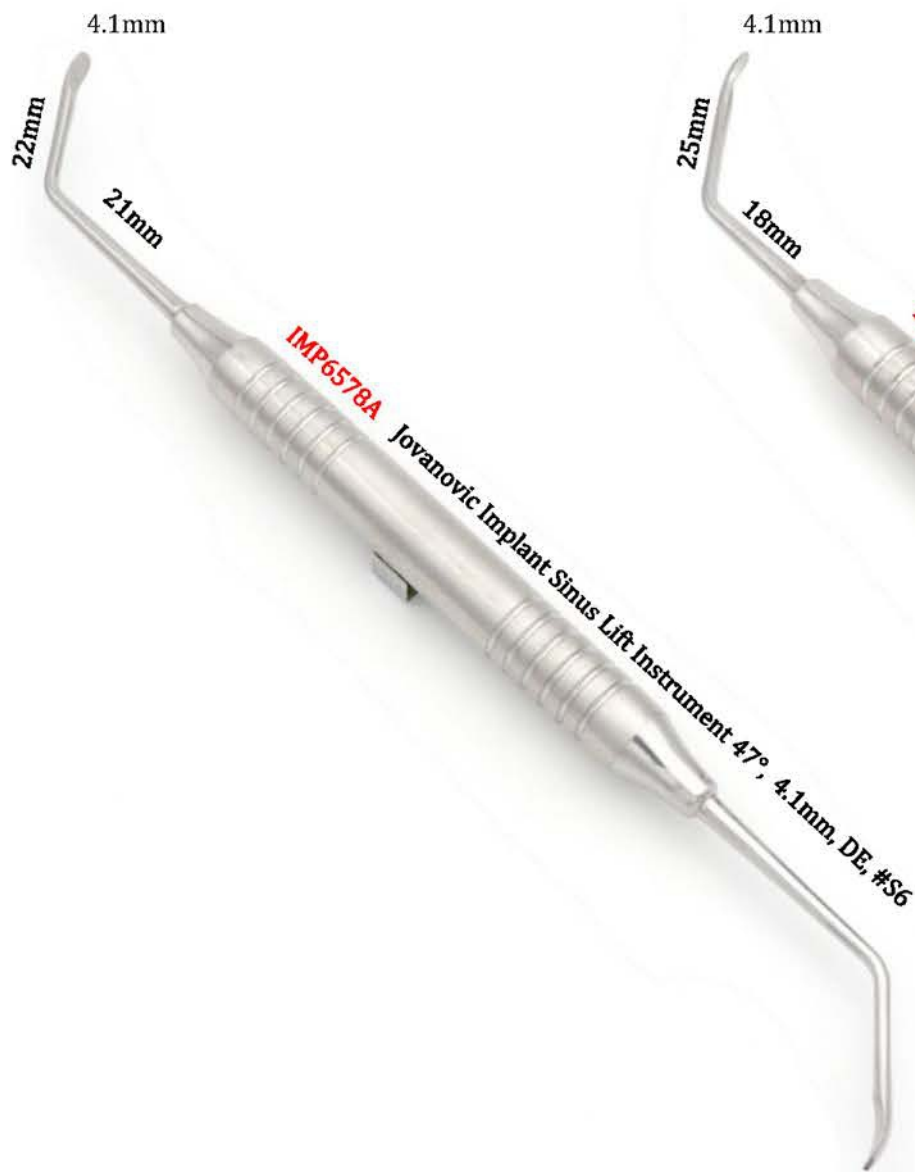
CBC5S

Cleveland Bone Cutter, #5S, 30°, 14cm



CBC5

Cleveland Bone Cutter, #5, 30°, 16.5cm

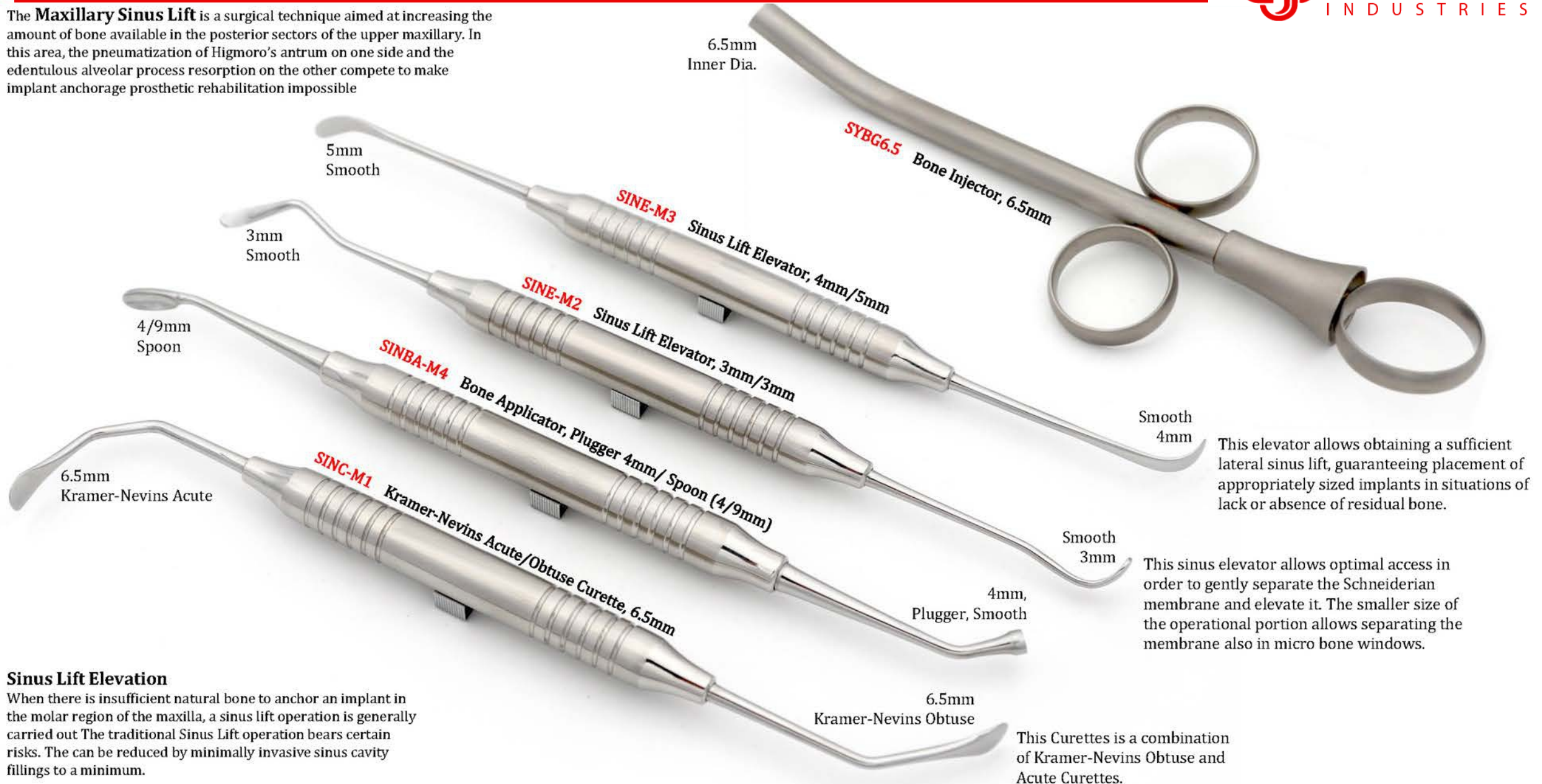




Sinus Lift Maxi Set - Maxillary Sinus Lift Instruments



The **Maxillary Sinus Lift** is a surgical technique aimed at increasing the amount of bone available in the posterior sectors of the upper maxillary. In this area, the pneumatization of Higmoro's antrum on one side and the edentulous alveolar process resorption on the other compete to make implant anchorage prosthetic rehabilitation impossible



This elevator allows obtaining a sufficient lateral sinus lift, guaranteeing placement of appropriately sized implants in situations of lack or absence of residual bone.

This sinus elevator allows optimal access in order to gently separate the Schneiderian membrane and elevate it. The smaller size of the operational portion allows separating the membrane also in micro bone windows.

This Curettes is a combination of Kramer-Nevins Obtuse and Acute Curettes.

Sinus Lift Elevation

When there is insufficient natural bone to anchor an implant in the molar region of the maxilla, a sinus lift operation is generally carried out. The traditional Sinus Lift operation bears certain risks. These can be reduced by minimally invasive sinus cavity fillings to a minimum.

Sinus Lift Curette & Elephant Footer





Osteotome Bone Pushers - Concave



Osteotome Bone Pushers - Convex



Osteotome Bone Pushers - Cone/Pointed



Bone Scrapers



These are manual bone harvesting instruments. They have large working area for bone curettage so that large volume of bone substance can be obtained. The instrument's widened handle fits perfectly in the hand to ensure that the instrument is supported and controlled securely during bone curettage. The sharp cutting edge ideally meets the surgeon's needs in handling the jaw under different anatomical conditions. These bone scrapers are, Made with surgical grade stainless steel. Completely Sterilizable Satin finish

Bone Grafting Instruments



This set includes bone grafting applicators, packer and scoop and Granulate Plugger. All grafting instruments are made from surgical stainless steel. The working points are coated with Black Titanium Nitride. They are completely sterilizable.



This is a combination of a Compactor & Applicator, most suitable for augmentation surgery

Titanium Nitride Coating

Black TiNi coated working points provide

- Optimal edge retention
- Reduced light reflection
- Enhanced contrast and
- Visual acuity at the surgical site and underlying tissue.

This applicator ensures the optimal blending and transportation of bone grafting material. The narrow and angled workpiece is available for smaller quantities, and the wider workpiece for larger quantities.

Bone Grafting Instruments

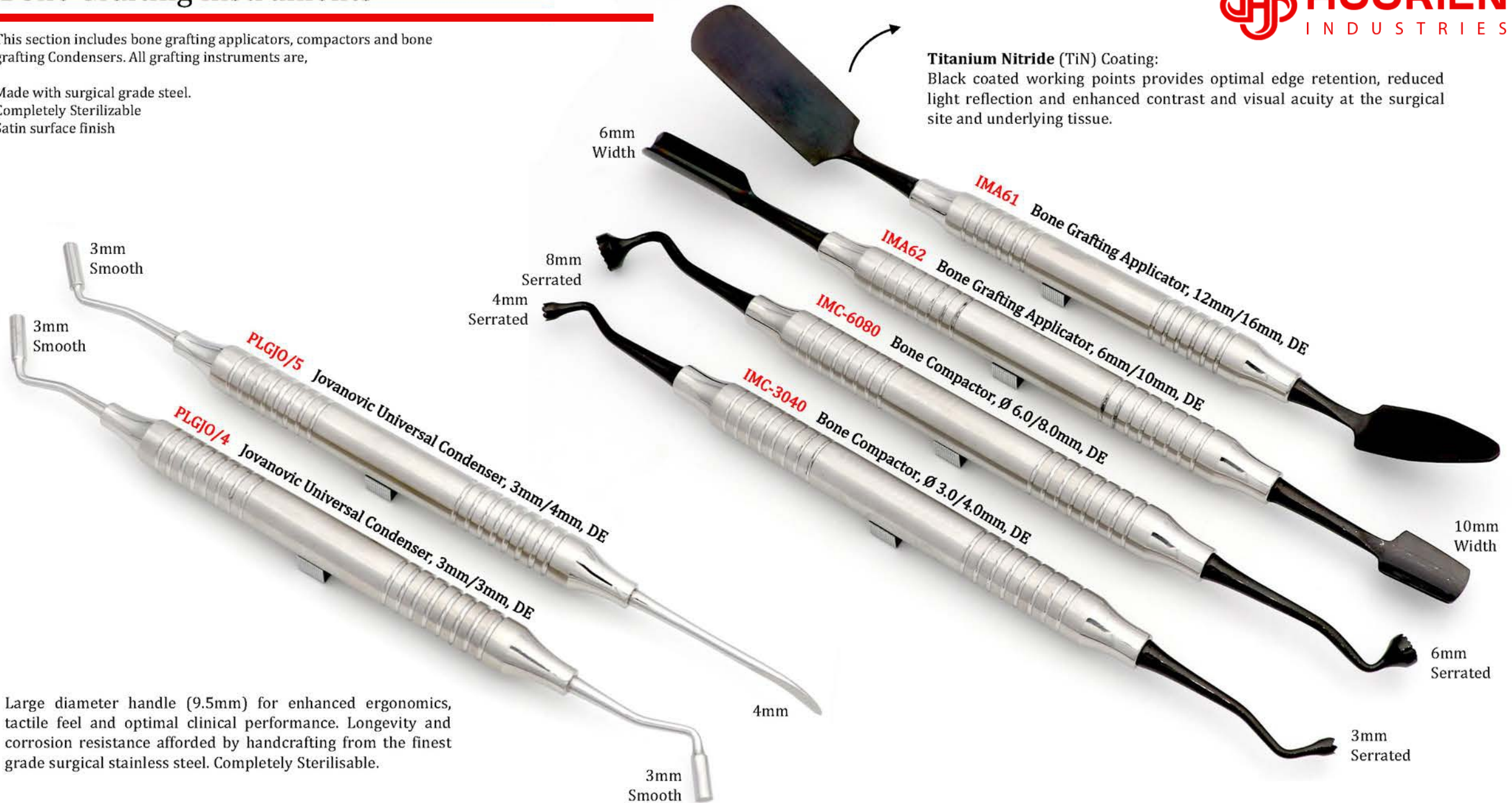


This section includes bone grafting applicators, compactors and bone grafting Condensers. All grafting instruments are,

Made with surgical grade steel.
Completely Sterilizable
Satin surface finish

Titanium Nitride (TiN) Coating:

Black coated working points provides optimal edge retention, reduced light reflection and enhanced contrast and visual acuity at the surgical site and underlying tissue.



Large diameter handle (9.5mm) for enhanced ergonomics, tactile feel and optimal clinical performance. Longevity and corrosion resistance afforded by handcrafting from the finest grade surgical stainless steel. Completely Sterilisable.



MB65
Mixing Bowl for bone
material, 28mm, Ø 65mm



PLATE
Plate 75mm X 112mm



SYBG6.5 Bone Injector, 6.5mm

6.5mm
Inner Dia.

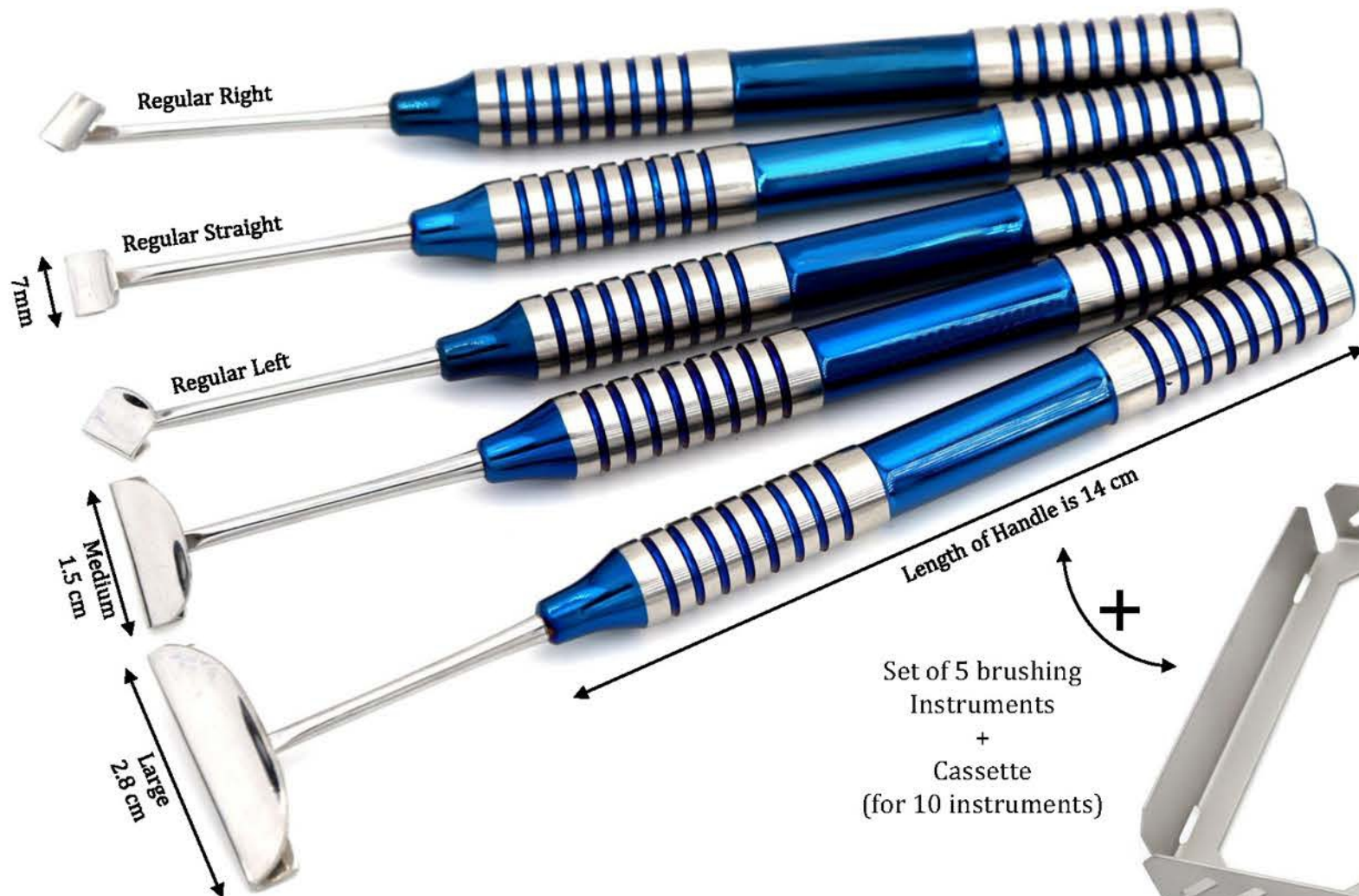


PRFBOX
PRF Box, with lid
and Cover



TUBE1
Tube Holder, for 12 tubes

Soft Tissue Brushing Set + Cassette

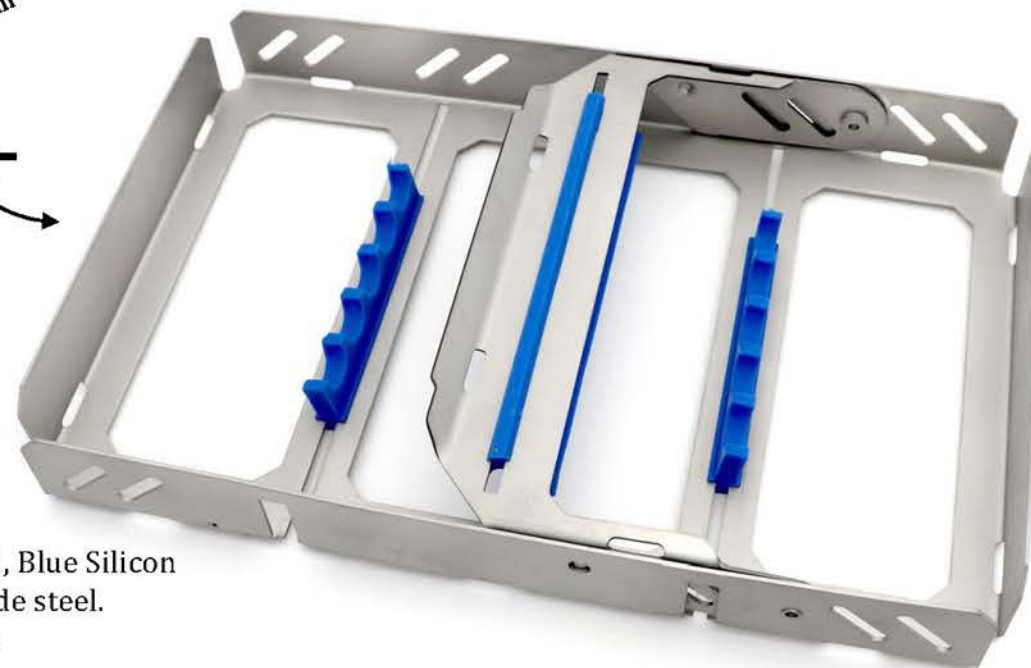


This kit includes 5 instruments

- Regular Tip
- Regular Angulated Right Tip (Posterior)
- Regular Angulated Left Tip (Posterior)
- Medium Tip
- Large Tip

This kit is designed to extend the flap without the need for incision. The concept of this product is to disorganize the collagen fibers of the fibrous periosteum. This reduces the stiffness of the flap allowing the flap to release farther.

Set of 5 brushing
Instruments
+
Cassette
(for 10 instruments)



These instruments don't cut anything at all. The flap is released as a result of the separation of the periosteum fibers. These instruments can be used on both the **lingual** and **buccal** periosteum.

Cassette for **5 & 10 Pcs**, Blue Silicon
Made with surgical grade steel.
Completely Sterilizable
Satin surface finish

Bone Morselizer

- Titanium Knurled Surfaces Grind Bone Fragments Into Smaller Particles For Grafting
- Place Harvested Bone In Well Of Instrument
- Apply Pressure And Turn "T" Handle
- Bone Is Morselized Between Knurled Titanium Surfaces
- Push "T" Handle To Remove Bone From Instrument
- Recommended for grinding small pieces of bone
- Cylinder Diameter is 16mm



KM16

Bone Morselizer
Ø inside 16mm, Length 17cm

Bone Mill

- The bone mill allows fast and easy grinding of bone blocks into smaller bone chips
- The bone mill grinds bone into very fine particle size chips which collect in an easy to use cylinder
- The grinding cylinder is a high grade stainless steel with sharp cutting edges





0-10mm

CLP2

2 Lwanson Spring Caliper, for wax



0-10mm

CLP1

1 Lwanson Spring Caliper, 10cm



0-20mm

CLC20L

Castroviejo Caliper, Straight 9cm



0-40mm

CLC40CWM

Weiss Modified Castroviejo Caliper, Cvd. 17cm



0-40mm

CLC40C

Castroviejo Caliper, Angled 18cm



0-40mm

CLC40L

Castroviejo Caliper, Straight 18cm





CLP8
Bone Caliper Gauge

5

ENDODONTICS

Explorers
Excavators
Accessories
 Root Forceps
 Halsted-Mosquito
Spreaders & Heat Carriers
Pluggers
Rubber Dam
 Frames
 Clamps
Organizing Board
Forceps
Punches



ENDODONTICS

Endodontic Explorers



These Endodontic Explorers are used for assessing the treatment site & locating root canals. They are available in several double-ended designs. Please contact us for more details.

Large diameter handle (9.5mm) for enhanced ergonomics, tactile feel and optimal clinical performance. Longevity and corrosion resistance afforded by handcrafting from the finest grade surgical stainless steel. Completely Sterilisable.

Endodontic Excavators



These Endodontic Excavators feature extended-length shanks and are meticulously handcrafted from the surgical grade stainless steel. They help the clinician access the pulp chamber for easy and efficient removal of dentin. The result is a superior clinical outcome and improved efficiency

Large diameter handle (9.5mm) for enhanced ergonomics, tactile feel and optimal clinical performance. Longevity and corrosion resistance afforded by handcrafting from the finest grade surgical stainless steel. Completely Sterilisable.



RF90
90° Steiglitz Post and
Point Removal Forceps



RF45
Root Forcep Steiglitz
45°, 13.5cm



RFSTR
Root Forcep Steiglitz
Straight, 13.5cm



RFP
Halsted-Mosquito
45° Curved, 12cm



H3
Halsted-Mosquito
curved, 12cm



H4
Halsted-Mosquito
Straight, 12cm

Curved
Serrated Jaw

Straight
Serrated Jaw

Endodontic Spreaders



These Endodontic Spreaders made from the finest stainless steel to precise specifications. These spreaders help the clinician gain access into the most difficult canals for optimal compaction of filling material during lateral condensation.

Large diameter handle (9.5mm) for enhanced ergonomics, tactile feel and optimal clinical performance. Longevity and corrosion resistance afforded by handcrafting from the finest grade surgical stainless steel. Completely Sterilisable.

Endodontic Root Canal Pluggers

RCP9/11

9/11 Root Canal Plugger, 21 mm, 1.00mm & 1.15mm, DE

RCP5/7

5/7 Root Canal Plugger, 21 mm, 0.50mm & 0.75mm, DE

RCP1/3

1/3 Root Canal Plugger, 21 mm, 0.40mm & 0.45mm, DE

RCP11

11 Posterior Root Canal
Plugger, 22mm, SE

RCP10

10 Posterior Root Canal
Plugger, 22mm, SE

RCP9

9 Posterior Root Canal
Plugger, 22mm, SE

These Endodontic Root Canal Plugger are made from the finest stainless steel to precise specifications. Completely Sterilisable.

Large diameter handle (9.5mm) for enhanced ergonomics, tactile feel and optimal clinical performance. Longevity and corrosion resistance afforded by handcrafting from the finest grade surgical stainless steel.



Rubber Dam Frames

These Rubber Dam Frames are made from surgical stainless steel.

Available in various sizes.

- 13mm for Adult
- 10mm for Children

Completely Sterilisable.

RDAF5
Adult Rubber Dam Frame, 13 cm

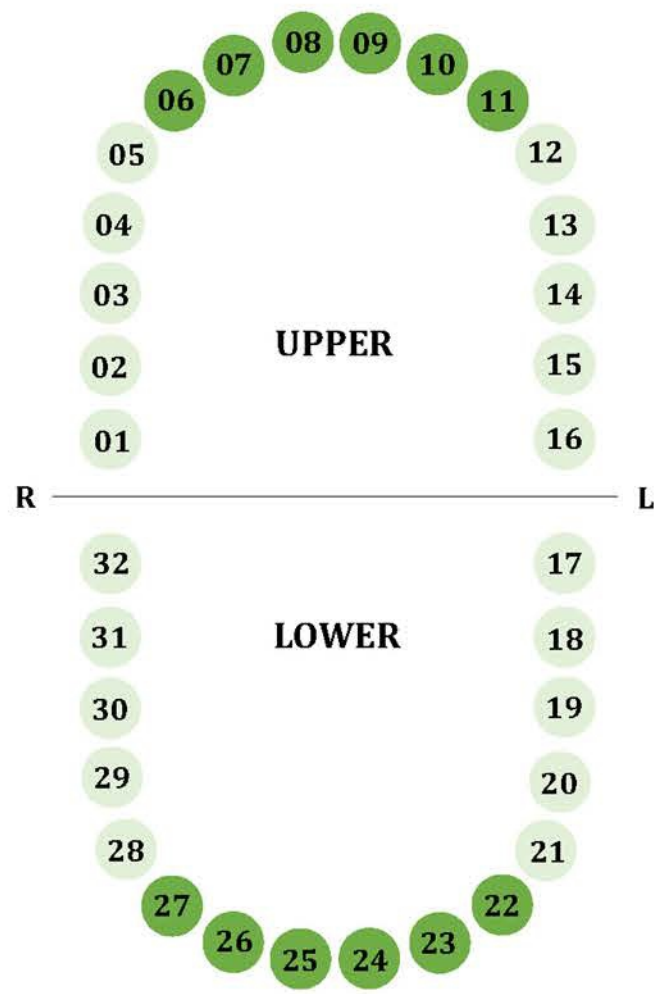


RDAF4
Child Rubber Dam Frame, 10 cm
(A smaller version of the adult frame, perfect for children)

Rubber Dam Clamps - Anterior



All rubber dam clamps are made from surgical stainless steel. Matt finish of these Satin Steel Rubber Dam Clamps offset bright clinical lighting. Hand-crafted to absorb and dissipate light instead of reflecting it back. This section includes the Anterior Rubber Clamps.



00
RDCM00
Flat jaws and high bow for small lower canines and first premolars



6
RDCM6
Slightly offset jaws for labial caries on anterior teeth



9
RDCM9
Offset flat jaws and stiff bow for anterior teeth



9S
RDCM9S
Offset flat serrated jaws for anterior teeth.



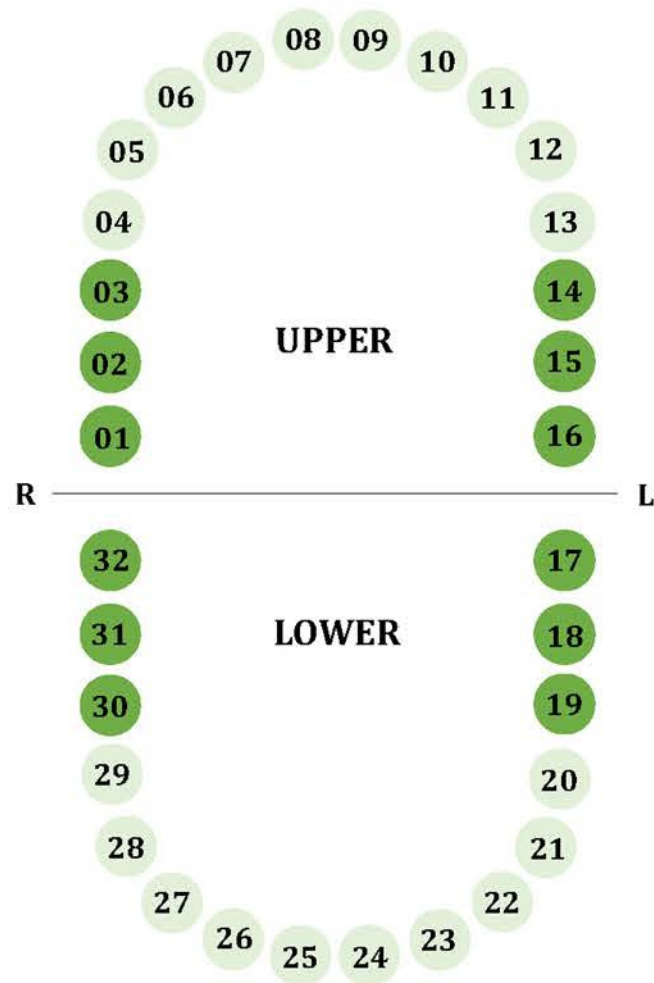
212SA
RDCM212SA
Slightly offset staggered jaws for odd shaped anterior.



212
RDCM212
Flat jaws for labial caries on anterior teeth.

Rubber Dam Clamps - Molar

All rubber dam clamps are made from surgical stainless steel. Matt finish of these Satin Steel Rubber Dam Clamps offset bright clinical lighting. Hand-crafted to absorb and dissipate light instead of reflecting it back. This section includes the Molar (General) Rubber Clamps.



8A

RDCM8A

Deeply festooned four-point jaws for molars



W8A

RDCMW8A

Slightly festooned jaws for molars.



10

RDCM10

Flat jaws designed for small upper left and lower right molars.



11

RDCM11

Flat jaws designed for small upper right & lower left molars



14

RDCM14

Deeply festooned jaws for partially erupted molars



14A

RDCM14A

Deeply festooned jaws for partially erupted or irregularly shaped molars



W14A

RDCMW14A

Deeply festooned jaws for partially erupted or irregularly shaped molars



18

RDCM18

Flat jaws and stiff bow for molars



24

RDCM24

Flat jaws for upper right and lower left molars



25

RDCM25

Flat jaws for upper left and lower right molars



27

RDCM27

Flat jaws for large molars



56

RDCM56

Slightly festooned jaws for large molars



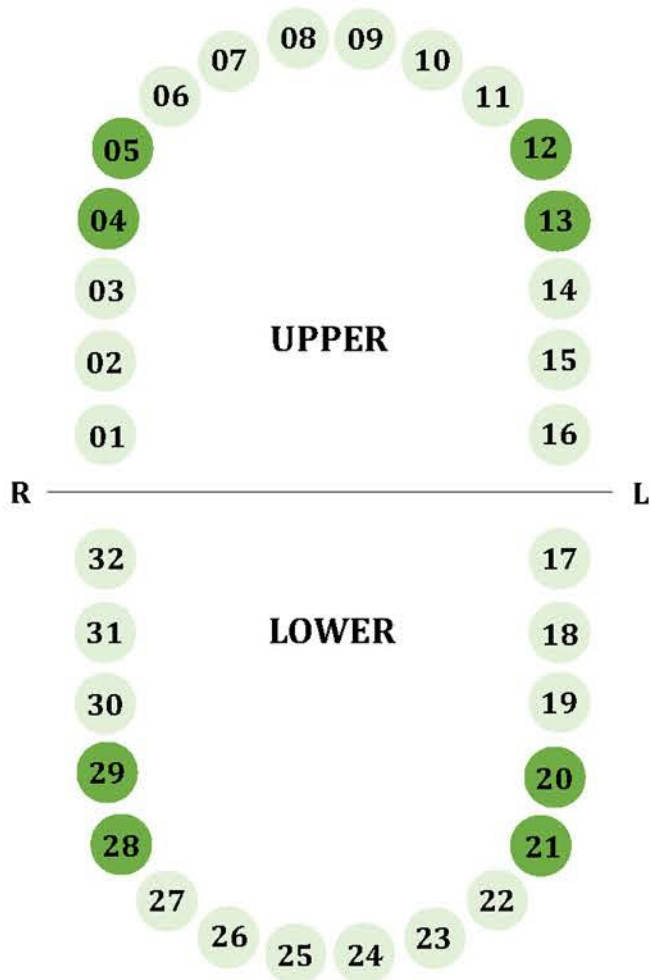
56S

RDCM56S

Slightly festooned serrated jaws for large partially erupted molars

Rubber Dam Clamps - Premolar

All rubber dam clamps are made from surgical stainless steel. Matt finish of these Satin Steel Rubber Dam Clamps offset bright clinical lighting. Hand-crafted to absorb and dissipate light instead of reflecting it back. This section includes the Premolar Rubber Clamps.



0
RDCM0
Flat jaws and high bow
for longer premolars.



1
RDCM1
Slightly festooned jaws
for upper premolars.



1A
RDCM1A
Deeply festooned jaws for
canines and premolars.



2
RDCM2
Flat jaws for premolars



2A
RDCM2A
Flat jaws for larger
premolars.



27N
RDCM27N
Slightly festooned jaws
for premolars.



29
RDCM29
Flat jaws for lower
premolars.



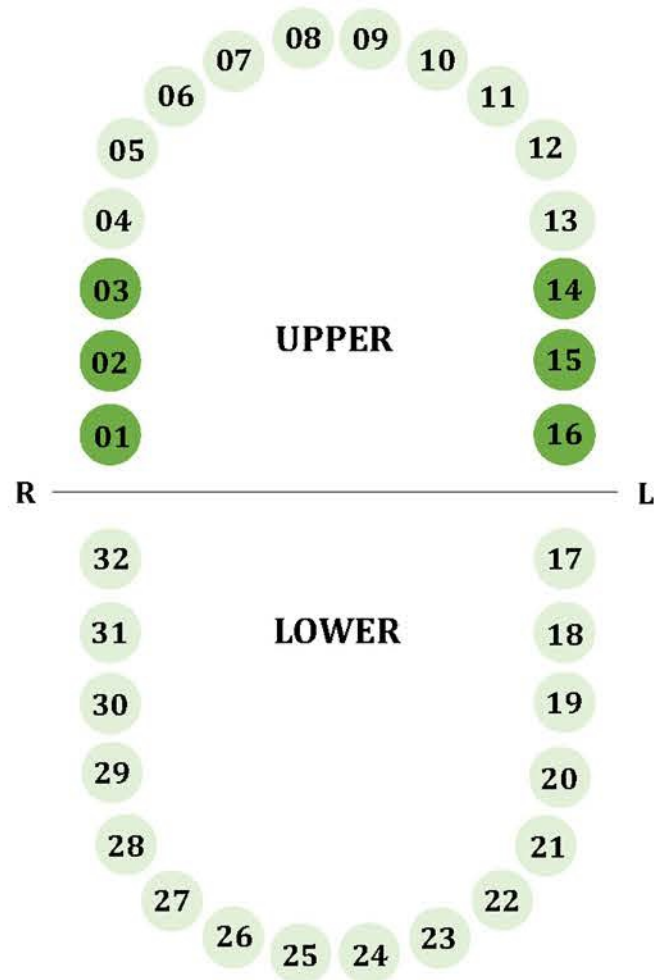
209
RDCM209
Small, flat jaws with stiff bow
for lower premolars



W2
RDCMW2
Flat jaws for
premolars.

Rubber Dam Clamps - Upper Molar

All rubber dam clamps are made from surgical stainless steel. Matt finish of these Satin Steel Rubber Dam Clamps offset bright clinical lighting. Hand-crafted to absorb and dissipate light instead of reflecting it back. This section includes the Upper Molar Rubber Clamps.



4
RDCM4
Flat narrow jaws for small upper molars



W4
RDCMW4
Flat narrow jaws for small upper molars



5
RDCM5
Slightly festooned jaws for large upper molars.



8
RDCM8
Deeply festooned jaws for upper molars



26N
RDCM26N
Flat jaws for upper molars.



30
RDCM30
Offset jaws for upper right molars



31
RDCM31
Offset jaws for upper left molars



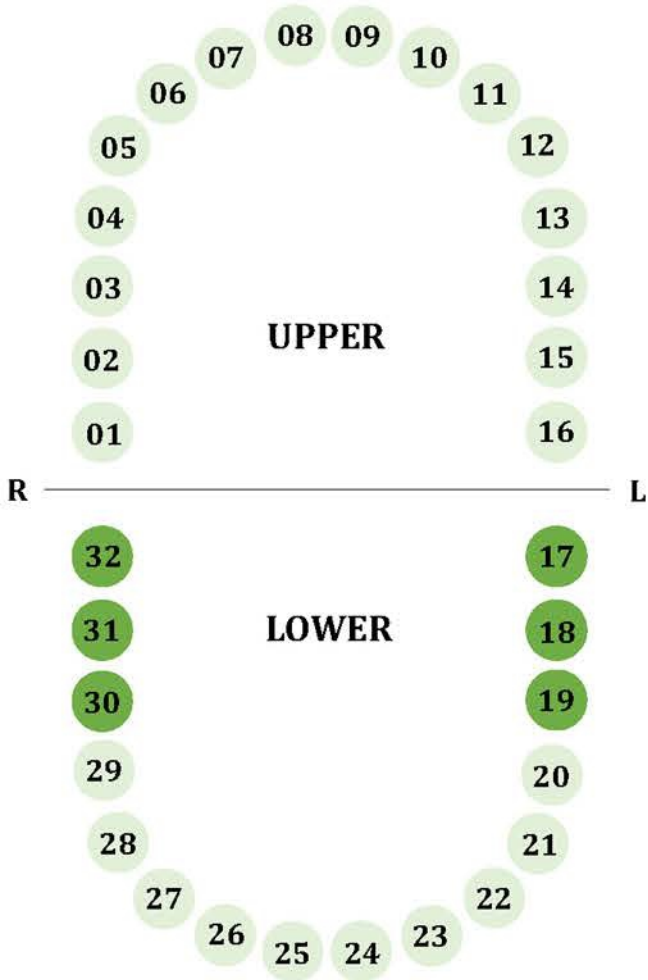
201
RDCM201
Slightly festooned jaws for upper molars



205
RDCM205
Slightly festooned jaws for large upper molars.

Rubber Dam Clamps - Lower Molar

All rubber dam clamps are made from surgical stainless steel. Matt finish of these Satin Steel Rubber Dam Clamps offset bright clinical lighting. Hand-crafted to absorb and dissipate light instead of reflecting it back. This section includes the Lower Molar Rubber Clamps.



3
RDCM3
Flat narrow jaws for small lower molars.



7
RDCM7
Flat jaws for lower molars



7A
RDCM7A
Slightly reversed festooned jaws for large lower molars



12A
RDCM12A
Serrated offset jaws for lower right molars



13A
RDCM13A
Serrated offset jaws for lower left molars



26
RDCM26
Slightly reversed festooned jaws for small lower molars



28
RDCM28
Flat jaws for lower molars



W3
RDCMW3
Flat narrow jaws for small lower molars



W7
RDCMW7
Flat jaws for lower molars.

RDCOB8

Rubber Dam Clamp Organizing Board,
For 8 Clamps



RDCOB12

Rubber Dam Clamp Organizing Board,
For 12 Clamps



Rubber Dam Forceps - Ivory Forceps

Ivory Rubber Dam Forceps are used for placement and removal of rubber dam clamps on/from the tooth. Special grooves on the working ends to open the clamp to make sure so that they can not slip uncontrollably. The following are some key features,

Ivory Rubber Dam Forcep
Replaceable spring
Safe in handling
Stainless steel
Completely Sterilizable



RDF

Ivory Rubber Dam Forcep, 17cm

Rubber Dam Forceps - Palmer & Brewer

These Rubber Dam Forceps are used for placement and removal of rubber dam clamps on/from the tooth. Special grooves on the working ends to open the clamp to make sure so that they can not slip uncontrollably. The following are some key features,

Palmer & Brewer Rubber Dam Forcep
Replaceable spring
Safe in handling
Stainless steel
Completely Sterilizable

RDF4
Palmer Rubber Dam Forcep, 17.5cm



RDF4B
Brewer Rubber Dam Forcep, 17.5cm



Rubber Dam Punches - Ivory & Ainsworth

These 2 rubber dam punches are manufactured with portable template wheel with 5 different diameter settings in combination with the right spring make the perforation of the dental dam pleasurable. It is made from high grade surgical stainless steel.

Safe in handling
Stainless Steel
Completely Sterilizable

RDP
Ivory Rubber Dam Punch, 17cm

RDPA
Ainsworth Rubber Dam Punch, 17cm



6

RESTORATIVE

Composite Instruments
Restorative Excavators
Chisels & Hoes
Filling Instruments
Burnishers
Cement Spatulas
Gingival Cord Packers
Cord Retraction Instruments
Modelling Instruments
Waxing Instruments
Amalgam Carriers & Files
Crown Removers
Matrix Retainers &
Accessories



RESTORATIVE

Goldstein Composite Instruments

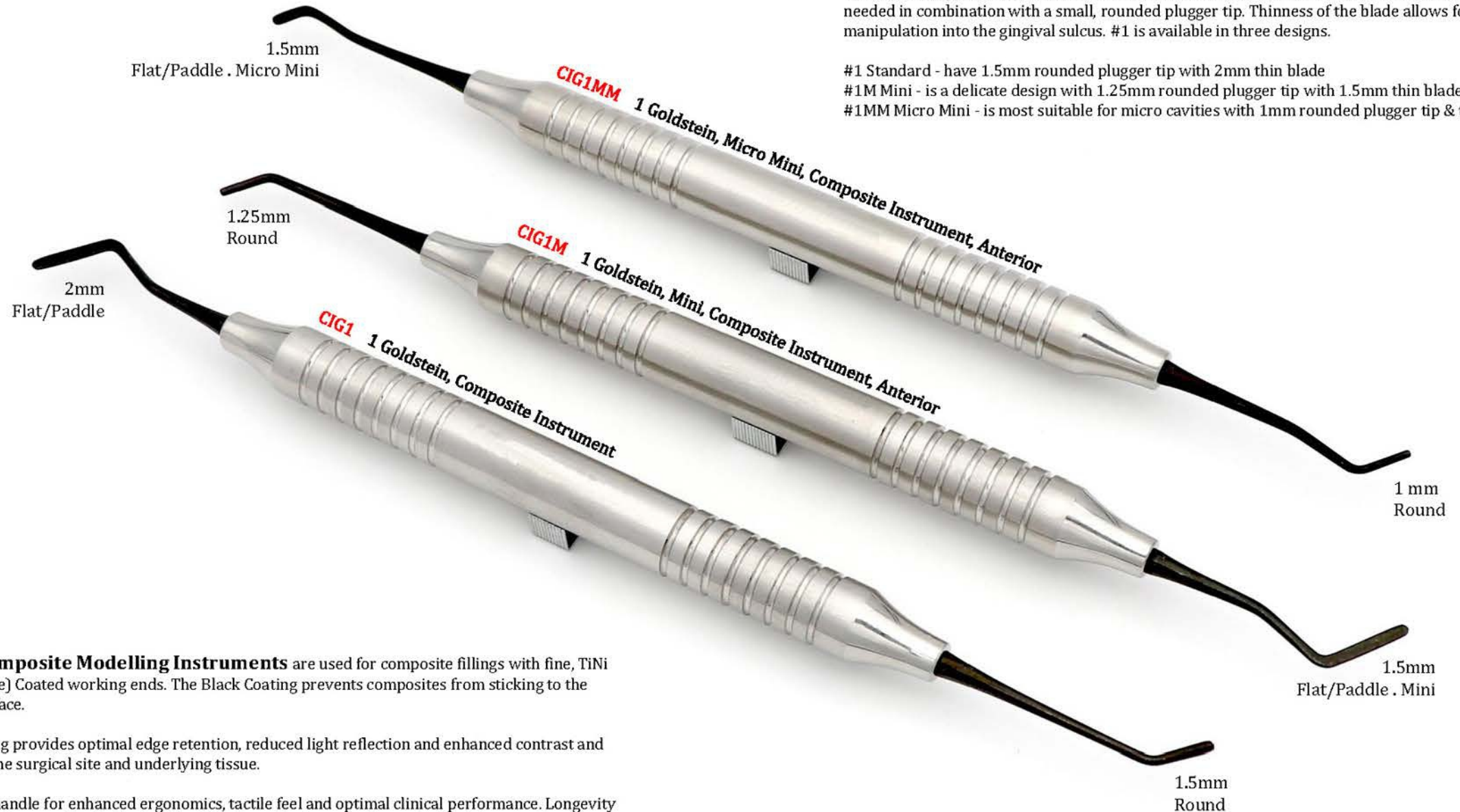


Goldstein Composite Instruments #1 is used for all classes where a small, thin, delicate instrument is needed in combination with a small, rounded plugger tip. Thinness of the blade allows for easy manipulation into the gingival sulcus. #1 is available in three designs.

#1 Standard - have 1.5mm rounded plugger tip with 2mm thin blade

#1M Mini - is a delicate design with 1.25mm rounded plugger tip with 1.5mm thin blade

#1MM Micro Mini - is most suitable for micro cavities with 1mm rounded plugger tip & thin blade



Goldstein Composite Modelling Instruments are used for composite fillings with fine, TiNi (Titanium Nitride) Coated working ends. The Black Coating prevents composites from sticking to the instruments surface.

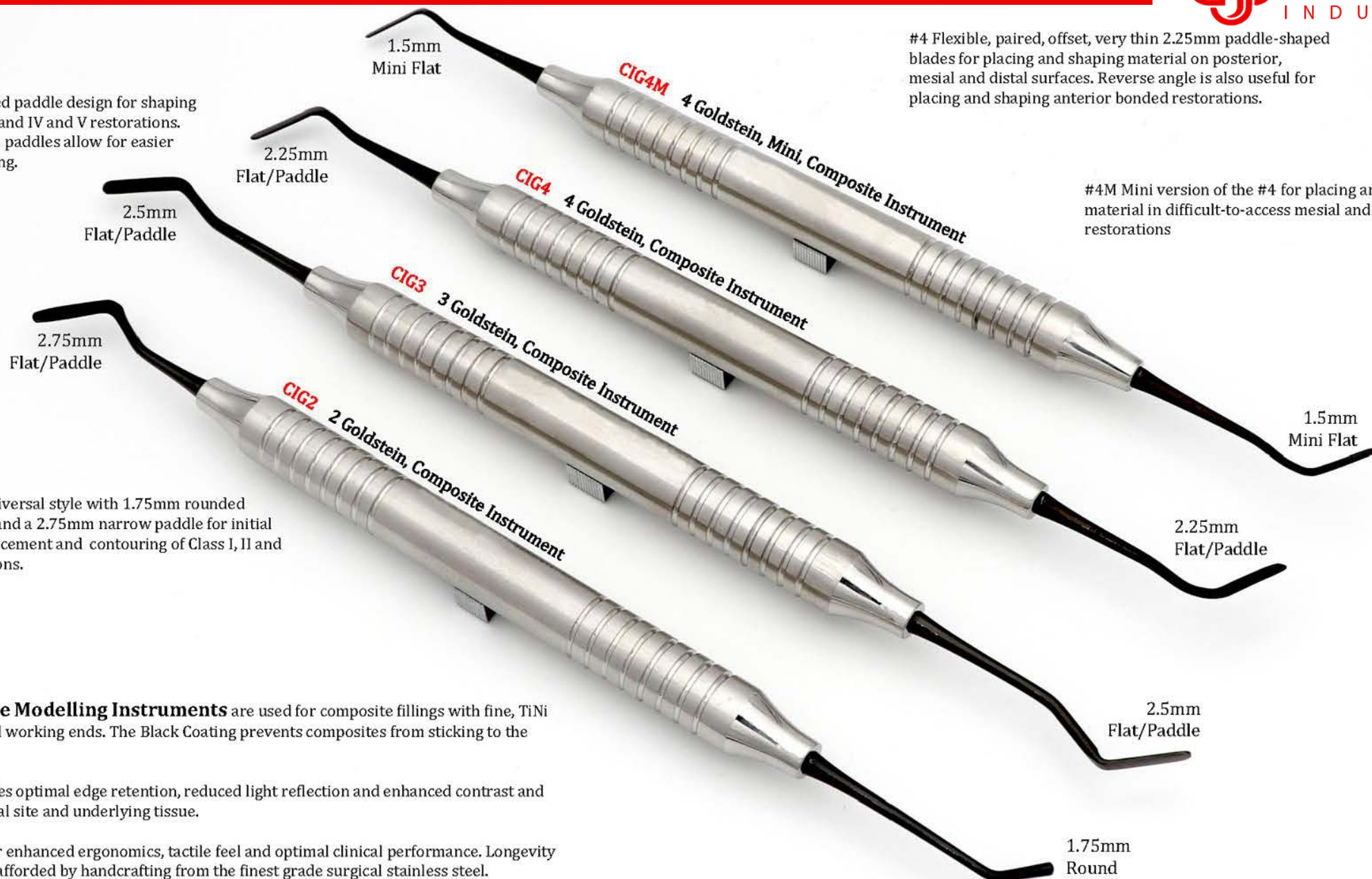
Black TiNi coating provides optimal edge retention, reduced light reflection and enhanced contrast and visual acuity at the surgical site and underlying tissue.

Large diameter handle for enhanced ergonomics, tactile feel and optimal clinical performance. Longevity and corrosion resistance afforded by handcrafting from the finest grade surgical stainless steel.

Goldstein Composite Instruments



#3 Flexible, reversed, flared paddle design for shaping and placement of Class III and IV and V restorations. The thinness of the 2.5mm paddles allow for easier subgingival margin finishing.



#4 Flexible, paired, offset, very thin 2.25mm paddle-shaped blades for placing and shaping material on posterior, mesial and distal surfaces. Reverse angle is also useful for placing and shaping anterior bonded restorations.

#4M Mini version of the #4 for placing and shaping material in difficult-to-access mesial and distal posterior restorations

#2 Small universal style with 1.75mm rounded plugger tip and a 2.75mm narrow paddle for initial and final placement and contouring of Class I, II and III restorations.

Goldstein Composite Modelling Instruments are used for composite fillings with fine, TiNi (Titanium Nitride) Coated working ends. The Black Coating prevents composites from sticking to the instruments surface.

Black TiNi coating provides optimal edge retention, reduced light reflection and enhanced contrast and visual acuity at the surgical site and underlying tissue.

Large diameter handle for enhanced ergonomics, tactile feel and optimal clinical performance. Longevity and corrosion resistance afforded by handcrafting from the finest grade surgical stainless steel.

HOORIEN
INDUSTRIES

The image displays four dental instruments arranged diagonally from top-left to bottom-right. Each instrument has a silver-colored metal handle with horizontal ridges and a black curved tip. The tips are labeled as either 'Sharp' or 'Round'.

- CIPC2**: Plugger, Cone Shaped, Ø1.7mm/Ø1.7mm, Composite Instrument. Tip: Sharp.
- CIPC1**: Plugger, Cone Shaped, Ø1.8mm/Ø2.2mm, Composite Instrument. Tip: Round.
- CIG6**: 6 Goldstein, Composite Carver Instrument. Tip: Sharp.
- CIG5**: 5 Goldstein, Composite Carver Instrument. Tip: Sharp.

#5 Goldstein Composite Carver with Small reverse angle tips make it much more efficient to place fissures, grooves and pits creating the ideal occlusal anatomy in hard-to-reach posterior areas.

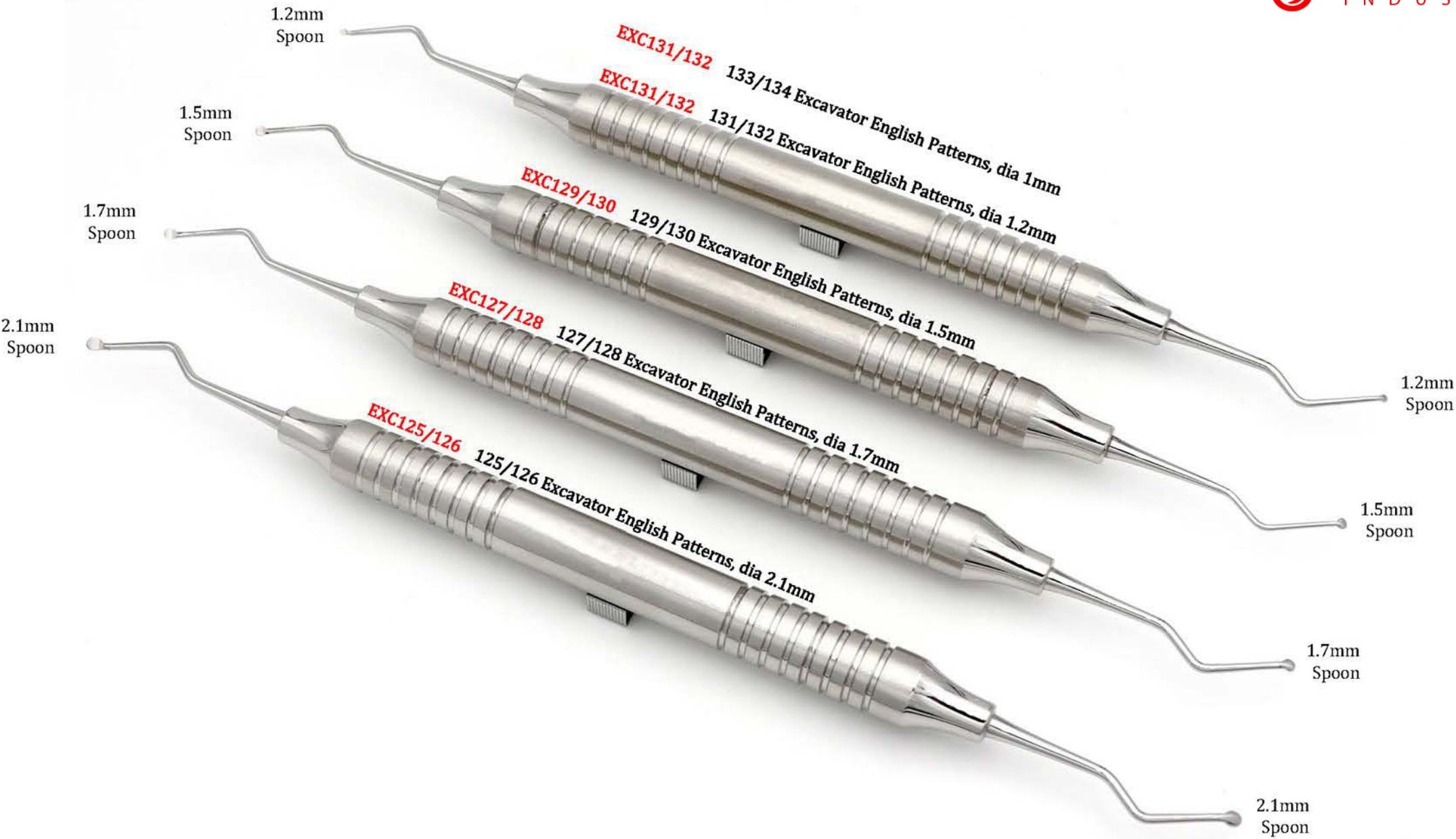
Large diameter handle for enhanced ergonomics, tactile feel and optimal clinical performance. Longevity and corrosion resistance afforded by handcrafting from the finest grade surgical stainless steel.

Composite Instruments





Restorative Excavators - English Pattern



Cavity Brushing Chisels



Wedelstaedt Chisel

These chisels are used to cleave undermined enamel and for shaping walls of the cavity preparations. It is available in three designs, curved small, curved large and straight. These can be use in three cutting movements, vertical, right and left.

Large diameter handle for enhanced ergonomics, tactile feel and optimal clinical performance. Longevity and corrosion resistance afforded by handcrafting from the finest grade surgical stainless steel.

Filling Instruments - Ball Shaped







Filling Instruments - Cylindrical Serrated



Filling Instruments - Cylindrical Smooth







Filling Instruments - Pear Shaped









Gingival Cord Packers











Modelling Instruments - P.K. Thomas Waxing Techniques

Modelling instruments for the waxing technique as per P. K. Thomas.

Large diameter handle (9.5mm) for enhanced ergonomics, tactile feel and optimal clinical performance.
Longevity and corrosion resistance afforded by handcrafting from the finest grade stainless steel.
Completely Sterilisable.





Crown Removers

CRCH2
Christenson crown remover
Angled, for posterior use

CRCH1
Christenson crown remover
Straight, facial use anterior

CRCH0
Offset Crown Splitter Remover Elevator







Crown Removers

These Trial Crown Removers are used permanent removal of crowns by breaking the seal between tooth and crown after sectioning with a bur.

This is the perfect instrument set for the careful and faultless removal of crown. These can be used for lower and upper jaws.

Made from surgical stainless steel.
Distance fixing crew allow gap adjustment.
Rubber jaws
Completely Sterilisable.



CRF1U
Trial Crown
Remover Upper

CRF2L
Trial Crown
Remover Lower



CRF1
Universal Crown Remover
Pliers, 14.5cm

6

ORTHODONTICS

Cutting Pliers
Utility Pliers
Wire Forming Pliers



ORTHODONTICS

Universal Cut and Hold Distal End Cutter



Universal Cut and Hold Distal End Cutter, with Long Handle & TC Inserts

Instrument Total Length is 13cm (5.1")

Both cutting edges are fitted with Tungsten Carbide Inserts

Designed to cut all types of wires ranging from .33mm (.012") to .53 mm x .64 mm (.021" x .025")

When it is used intraorally, it safely holds the cut portion to be discarded.

Comfort is enhanced by the smooth, tapered tip.

Handcrafted by the finest grade surgical stainless steel.

Corrosion resistance and completely sterilisable.



6101

Universal Cut and Hold Distal End Cutter, 13cm

Pin & Ligature Cutter

Pin & Ligature Cutter, with Tungsten Carbide Inserts

Instrument Total Length is 12.5cm

Both cutting edges are fitted with Tungsten Carbide Inserts

Designed to cut soft wire pins and ligature wires up to .3mm (.012")

These Pin & Ligature cutter are prepared with ultra slim profile. It is most suitable for difficult to access areas.

Handcrafted by the finest grade surgical stainless steel.
Corrosion resistance and completely sterilisable.



6102

Pin & Ligature Cutter, 12.5cm

Pin & Ligature Cutter - 50° Angle



Pin & Ligature Wire Cutter - 50° Angle

Instrument Total Length is 14.5cm,
Cutting edges are angled at 50°
Both cutting edges are fitted with Tungsten Carbide Inserts
Designed to cut soft wire pins and ligature wires up to .3mm (.012")

Handcrafted by the finest grade surgical stainless steel.
Corrosion resistance and completely sterilisable.



6103

Pin & Ligature Wire Cutter - 50° Angle, 14.5cm

Ortho Pin & Ligature Cutter

Ortho Pin & Ligature Wire Cutter, with Tungsten Carbide Inserts

Instrument Total Length is 12.5cm

Both cutting edges are fitted with Tungsten Carbide Inserts

Designed to cut soft wire pins and ligature wires up to .35mm (.014")

These ortho Pin & Ligature wire cutters are prepared with ergonomics profile. It provides extra strong grip in cutting procedures.

Handcrafted by the finest grade surgical stainless steel.
Corrosion resistance and completely sterilisable.



6104

Ortho Pin & Ligature Wire Cutter, 12.5cm

Bracket Removing Pliers, Straight



Bracket Removing Pliers, Straight

Instrument Total Length is 13.5cm

Straight, suitable for wire size $\leq .022" \times .025"$ (.56 x .64 mm)

These Bracket Pliers work well for stainless steel, ceramic and plastic brackets for all types.

Handcrafted by the finest grade surgical stainless steel.
Corrosion resistance and completely sterilisable.



6201

Bracket Removing Plier, Straight, 13.5cm

Direct Bond Attachment Removing Plier - Angled



Direct Bond Attachment Removing Plier, Angled

Instrument Total Length is 13.0cm

Angled head allow easy access to anterior and posterior attachments

Direct Bond Attachment Remover Plier (Angled) is designed to quickly and safely remove direct bond brackets.

Handcrafted by the finest grade surgical stainless steel.

Corrosion resistance and completely sterilisable.



6202

Direct Bond Attachment Removing Plier, Angled, 13.0cm

Weingart Utility Pliers - TC



Weingart Utility Pliers, Tapered 32° angular design

Instrument Total Length is 13.5cm

Versatile utility pliers are fitted with Tungsten Carbide Inserts

Tapered 32° angular design is convenient for placement and removal of archwires. Suitable for wire sizes up to wires up to .030" (.76mm).

As an extension of your hands, the Tungsten Carbide Inserts allow for better gripping and accessibility into tight spaces that are typically not possible with hands. These pliers help guide the archwire through buccal tubes and into brackets with ease.

Handcrafted by the finest grade surgical stainless steel.
Corrosion resistance and completely sterilisable.



6203

Weingart Utility Plier, 32° angular, TC, 13.5cm

Weingart Utility Pliers



Weingart Utility Pliers, Tapered 32° angular design

Instrument Total Length is 13.5cm

Versatile utility pliers are prepared with serrated jaws

Tapered 32° angular design is convenient for placement and removal of archwires. Suitable for wire sizes up to wires up to .030" (.76mm).

Handcrafted by the finest grade surgical stainless steel.

Corrosion resistance and completely sterilisable.



6204

Weingart Utility Plier, 32° angular, 13.5cm

Short Posterior Band Removing Pliers

Cinch Back Pliers or Tie Back Pliers (NiTi Wires only)

Instrument Total Length is 13.5cm

The offset alignment of tip and occlusal pad is well suited for band removal.

These pliers come with the 3/16" pad already loaded in the working end.

Replacement pads can be re-ordered as needed

Handcrafted by the finest grade surgical stainless steel.

Corrosion resistance and completely sterilisable.



6205

Short Posterior Band Removing Plier, 13.5cm

Bird Beak Pliers

Bird Beak Pliers or loop forming pliers

Instrument Total Length is 12.5cm

One Round & One Pyramid working ends

Versatile loop forming pliers for round wires up to .76 mm (.030")

These Bird Beak pliers are used for orthodontic heavy wire bending

Round and pyramid beaks are smooth to prevent wire scoring

Can also be used to form springs

Handcrafted by the finest grade surgical stainless steel.

Corrosion resistance and completely sterilisable.



Light Wire Bird Beak Plier With Groove

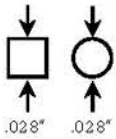


Light Wire Bird Beak Plier, with One Groove

Instrument Total Length is 13cm

A longer cone than a standard bird beak is useful for forming precise loops in light wires up to .020" (.51 mm). The groove allows for locating and duplicating loops

Handcrafted by the finest grade surgical stainless steel.
Corrosion resistance and completely sterilisable.



6302

Light Wire Bird Beak Plier With Groove, 13cm

Round Nose Wire Forming Pliers



Round Nose Wire Forming Pliers

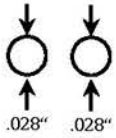
Instrument Total Length is 13.5cm

Round nose plier with long jaws

Suitable for bending loops and wires up to .020"

Handcrafted by the finest grade surgical stainless steel.

Corrosion resistance and completely sterilisable.



6303

Round Nose Wire Forming Plier, 13.5cm

Lingual Arch Forming Pliers

Lingual Arch Forming Pliers or Wire Bending Pliers

Instrument Total Length is 13.5cm

Lingual Arch Forming plier makes consistent and repeatable bends.

It forms double-back and triple-back bends in .030" and .036" wire for use with lingual, sheaths. Jaws of the plier have four grooves placed and sized.

Handcrafted by the finest grade surgical stainless steel.

Corrosion resistance and completely sterilisable.



6304

Lingual Arch Forming Plier, 13.5cm

De La Rosa Pliers With Grooves

De La Rosa Wire Forming Pliers, with Grooves

Instrument Total Length is 13cm

Precision matched concave and convex tips for smooth contouring of light wire loops. Contours and forms arches without torquing with additional grooves measuring .016" (.41mm), .018" (.46mm) and .022" (.56mm) respectively. Can be used on wires up to .021 x .025" (.55mm x .64mm).

Handcrafted by the finest grade surgical stainless steel.
Corrosion resistance and completely sterilisable.



6305

De La Rosa Plier With Grooves, 13cm

Young Loop Forming Pliers

Young Loop Forming Pliers or Arch Wire Forming Pliers

Instrument Total Length is 13.5cm

Straight, suitable for wire sizes up to 0.56 mm x 0.71 mm (.040")

These young loop forming pliers has three step loop formers with diameters of 1.3 mm, 3 mm, and 4.2 mm and can be used on wires up to 0.56 mm x 0.71 mm. It is used to form identical loops on the square or rectangular wires used in braces.

The young loop forming plier is ideal for orthodontic settings where dental wiring needs to be looped and can be used in any clinical environment for a similar effect.

Handcrafted by the finest grade surgical stainless steel.
Corrosion resistance and completely sterilisable.



6306

Young Loop Forming Plier, 13.5cm

Tweed Loop Forming Pliers

Tweed Loop Forming Pliers

Instrument Total Length is 14cm

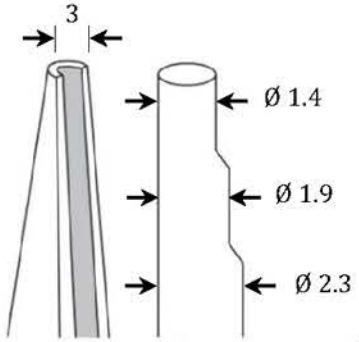
Tweed Loop forming pliers with .055", .075", and .090" (1.4mm, 1.9mm, and 2.3mm) diameters for creating bull and helical loops on wires up to .022" x .025" (.56 mm x .64 mm).

Create closing loops in square or rectangular wires

Firm grip of the wire while bending

Handcrafted by the finest grade surgical stainless steel.

Corrosion resistance and completely sterilisable.



6307

Tweed Loop Forming Plier, 14cm

Kim Pliers with Cutter

Kim Plier with Tungsten Carbide Cutters

Instrument Total Length is 13.5cm

Kim plier is used for bending multiple edgewise arch wires

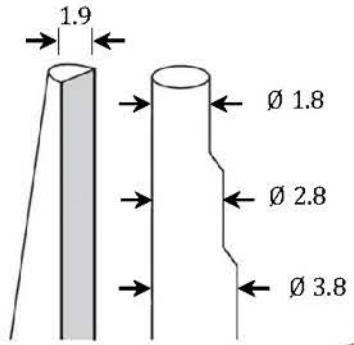
The forming edge have 1.8mm, 2.8mm, and 3.8mm diameters

Suitable for wires up to .016" x .022" (.40 mm x .56 mm).

Tungsten Carbide Inserts are used for cutting blades

Handcrafted by the finest grade surgical stainless steel.

Corrosion resistance and completely sterilisable.



6308

Kim Pliers with Cutter, 13.5cm

Tungsten Carbide
Cutting Blades

Tweed Arch Bending Pliers - TC



Tweed Arch Bending Pliers, with Tungsten Carbide Inserts

Instrument Total Length is 12.5cm

Designed for placing first, second and third order bends on stainless steel wires up to .022" x .025" (.56 mm x .64 mm).

Both ends are fitted with Tungsten Carbide Inserts

Handcrafted by the finest grade surgical stainless steel.

Corrosion resistance and completely sterilisable.



6309

Tweed Arch Bending Plier, TC, 12.5cm

Tweed Arch Bending Pliers

Tweed Arch Bending Pliers, with Serrated Jaws

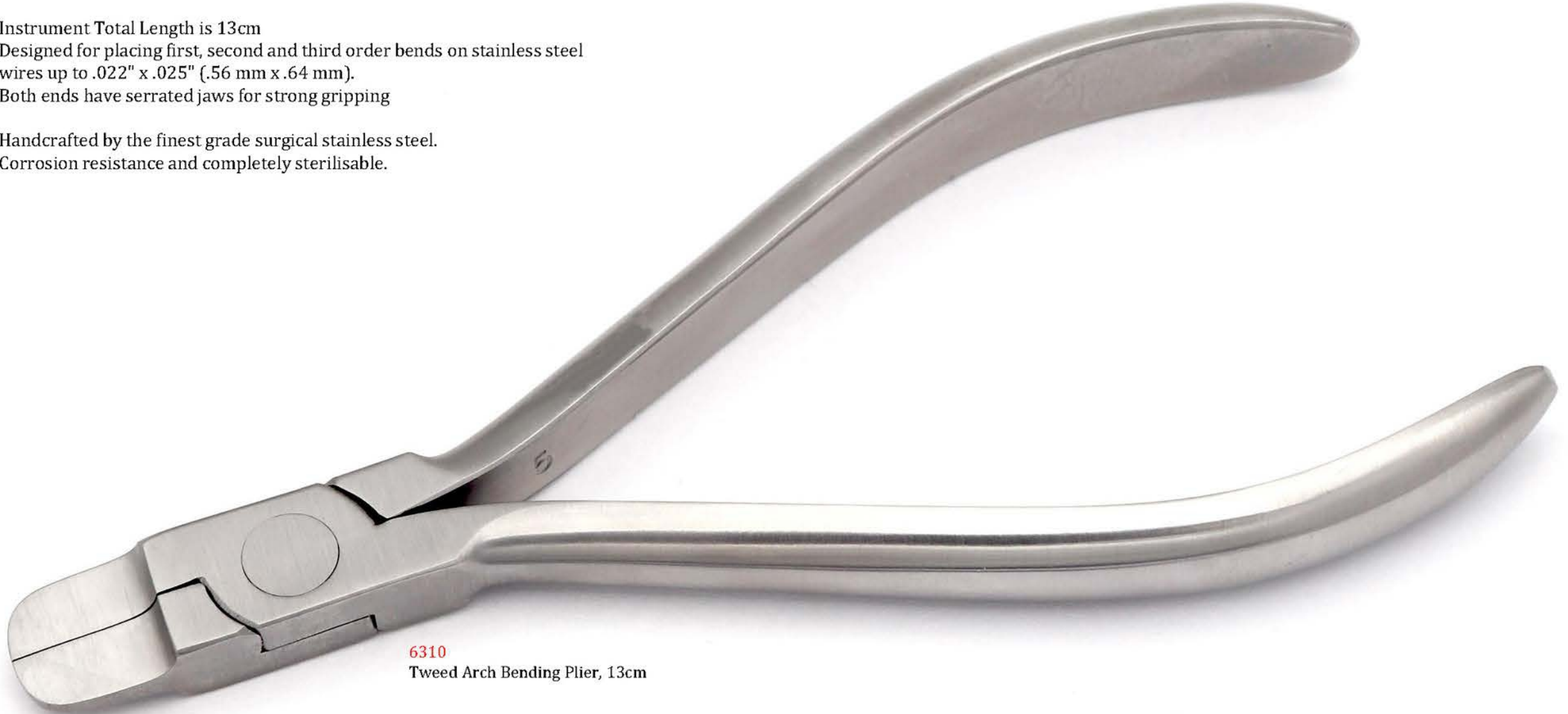
Instrument Total Length is 13cm

Designed for placing first, second and third order bends on stainless steel wires up to .022" x .025" (.56 mm x .64 mm).

Both ends have serrated jaws for strong gripping

Handcrafted by the finest grade surgical stainless steel.

Corrosion resistance and completely sterilisable.



6310

Tweed Arch Bending Plier, 13cm



6311
Universal Crampon Plier, 16cm

Cinch Back Pliers or Tie Back Pliers

Cinch Back Pliers or Tie Back Pliers (NiTi Wires only)

Instrument Total Length is 13.5cm

Multi-use pliers for bending NiTi up to .025" (.64 mm).

Reduce a multi-process step process down to one step with these wire-forming pliers. Simply squeeze and you are done. NO heat required. Suitable only for NiTi Wires.

Handcrafted by the finest grade surgical stainless steel.

Corrosion resistance and completely sterilisable.



6312

Tie Back Plier, 13.5cm

Three Jaw Pliers

Three Jaw Pliers, Flat Tips

Instrument Total Length is 13cm

Flat tips are useful for contouring and bending stainless steel wires up to .030" (.76 mm).

Handcrafted by the finest grade surgical stainless steel.
Corrosion resistance and completely sterilisable.



6313

Three Jaw Plier, 13m

Wire Forming Pliers

Adam Pliers

Adam Pliers, with Flat Tips

Instrument Total Length is 13cm

For precise right angle bends and appliance adaptation on stainless steel wires up to .040" (1.02 mm).

Handcrafted by the finest grade surgical stainless steel.
Corrosion resistance and completely sterilisable.



6314

Adam Plier, 13m

Wire Forming Pliers

Step Pliers - TC

Step Pliers, 1mm, with Tungsten Carbide Inserts

Instrument Total Length is 12.5cm

Step size is 1mm

Double-sided offset beak permits bayonet bends on wires up to .022" x .025" (.56 mm x .64 mm)

Both ends are fitted with Tungsten Carbide Inserts

Handcrafted by the finest grade surgical stainless steel.

Corrosion resistance and completely sterilisable.



6315

Step Plier, 1mm, 12.5cm

Z Pliers - TC

Z Pliers, 1mm depth, 11mm length, with Tungsten Carbide Inserts

Instrument Total Length is 12.0cm

Step size is 1mm depth, 11mm length

Double-sided offset beak permits bayonet bends on wires up to .022" x .025" (.56 mm x .64 mm)

Both ends are fitted with Tungsten Carbide Inserts

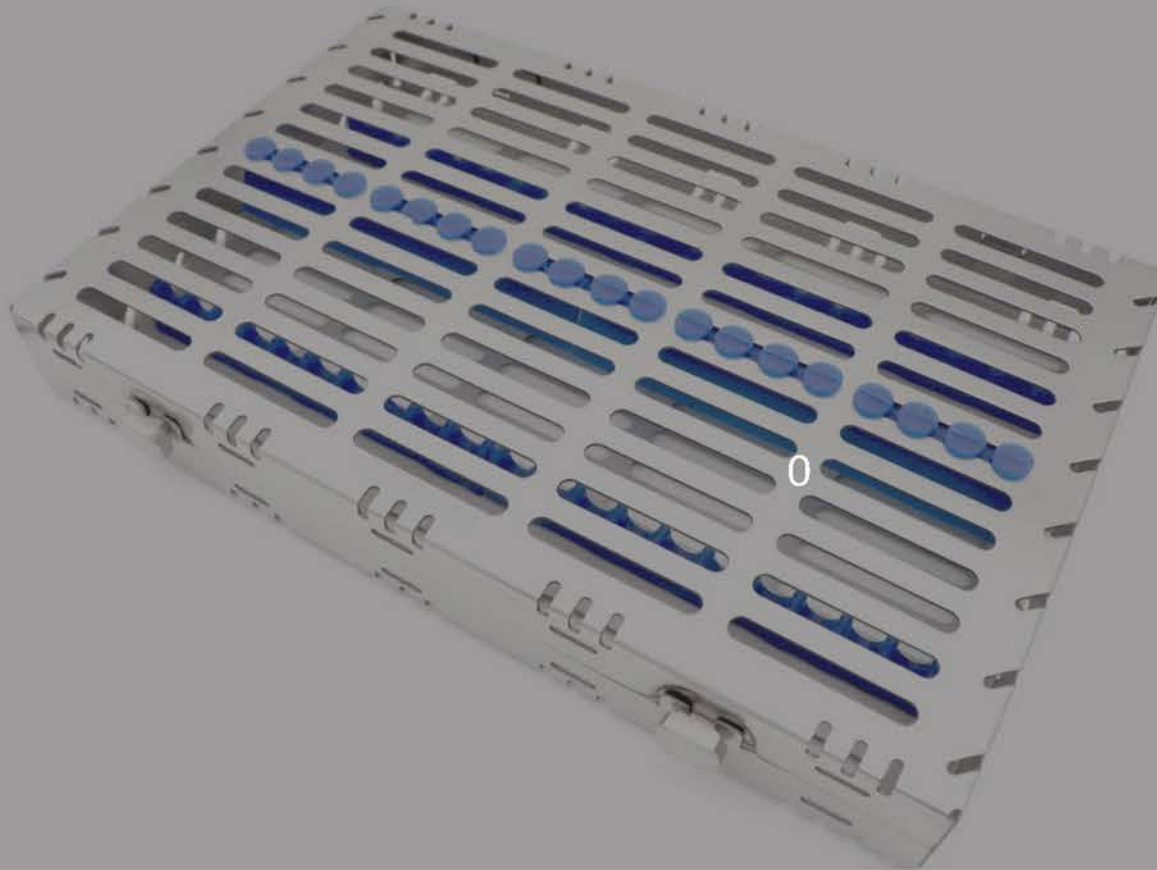
Handcrafted by the finest grade surgical stainless steel.

Corrosion resistance and completely sterilisable.



6316

Z Plier, TC, 12.0cm

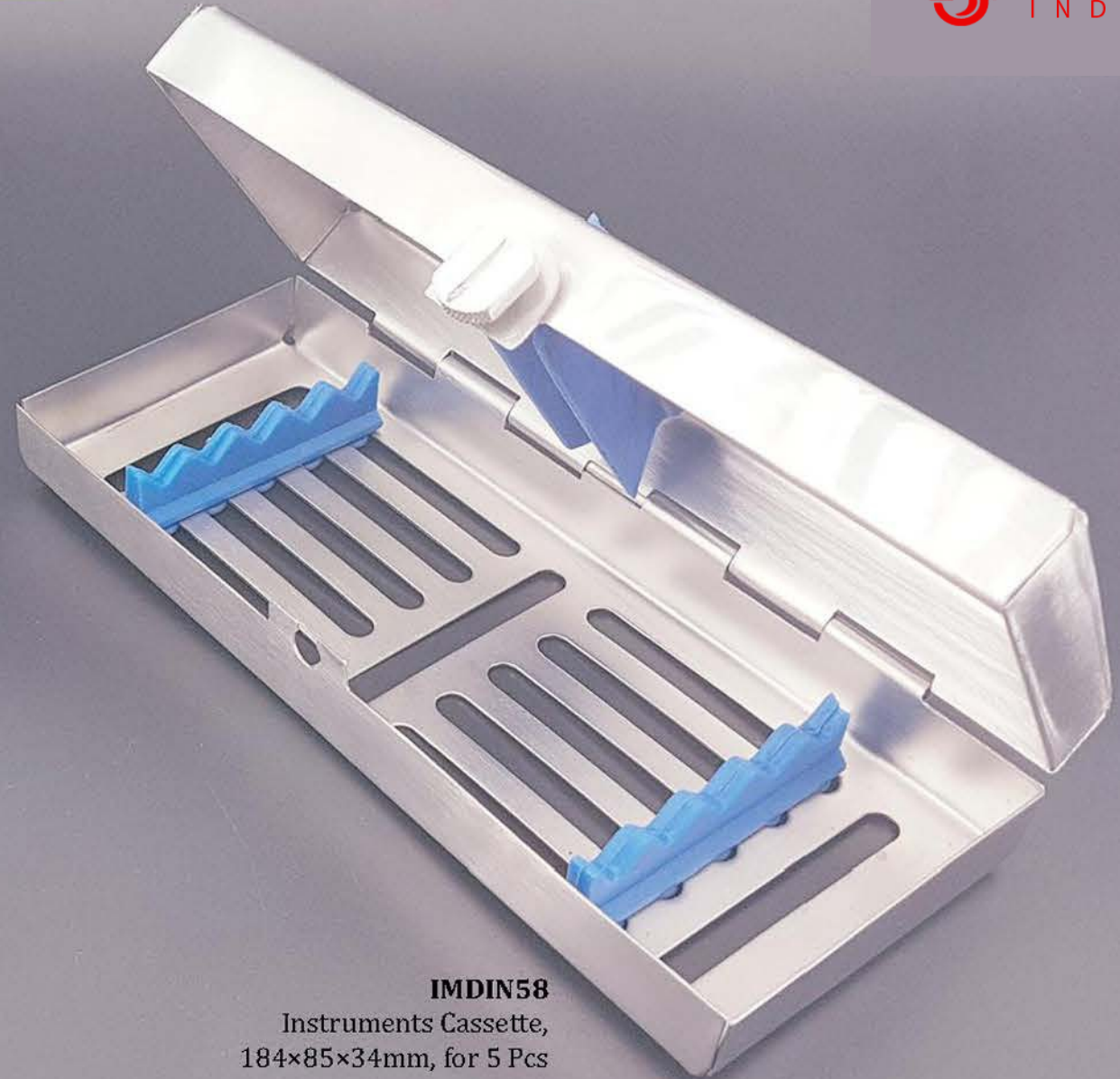


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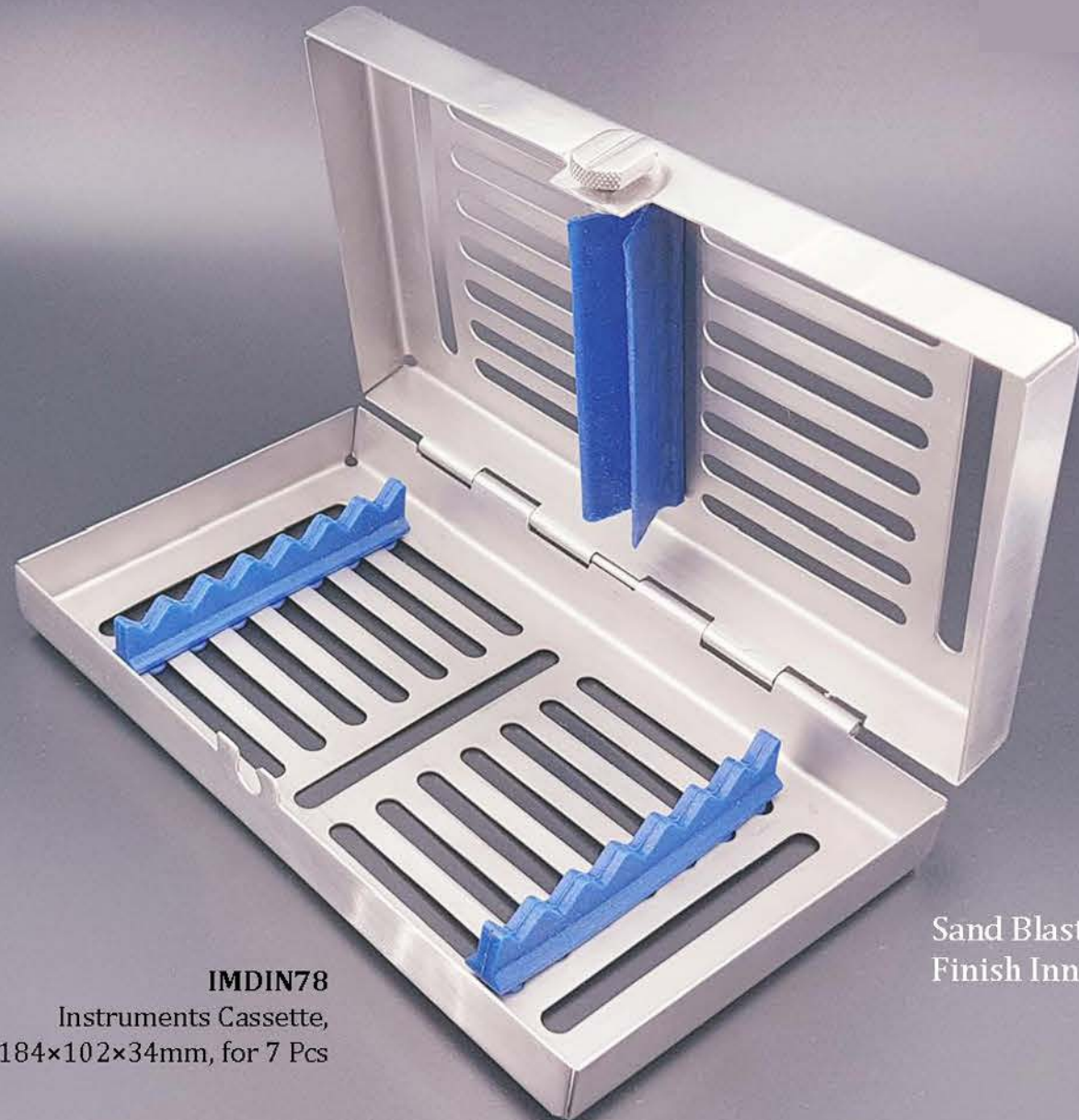
MANAGEMENT

Instrument Cassettes 5 Pcs
Instrument Cassettes 7 Pcs
Instrument Cassettes 8 Pcs
Instrument Cassettes 10 Pcs
Instrument Cassettes 14 Pcs
Instrument Cassettes 20 Pcs

ORGANISATION / CASSETTES

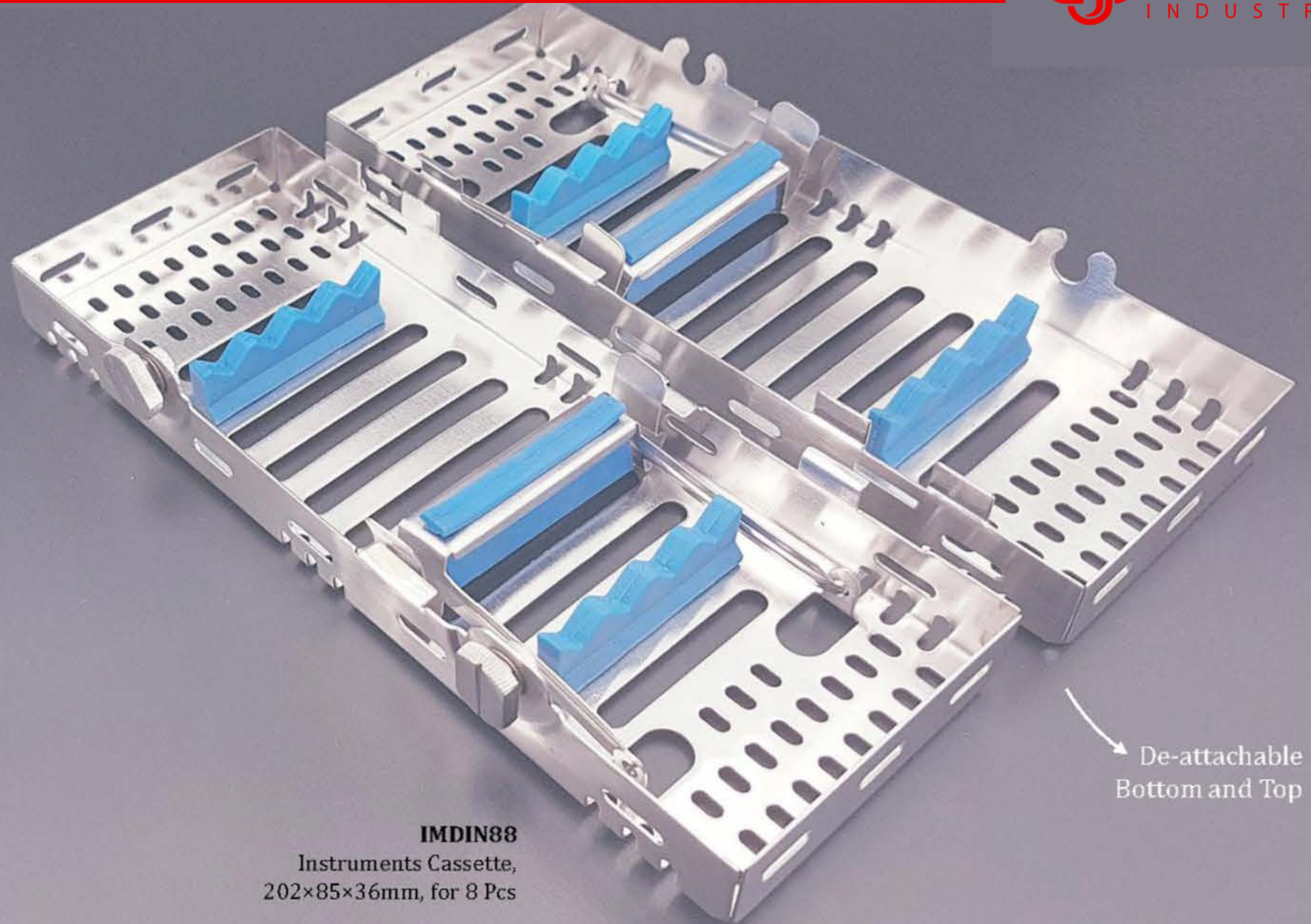


IMDIN58
Instruments Cassette,
184×85×34mm, for 5 Pcs



IMDIN78
Instruments Cassette,
184×102×34mm, for 7 Pcs

Sand Blasted Satin
Finish Inner Surface

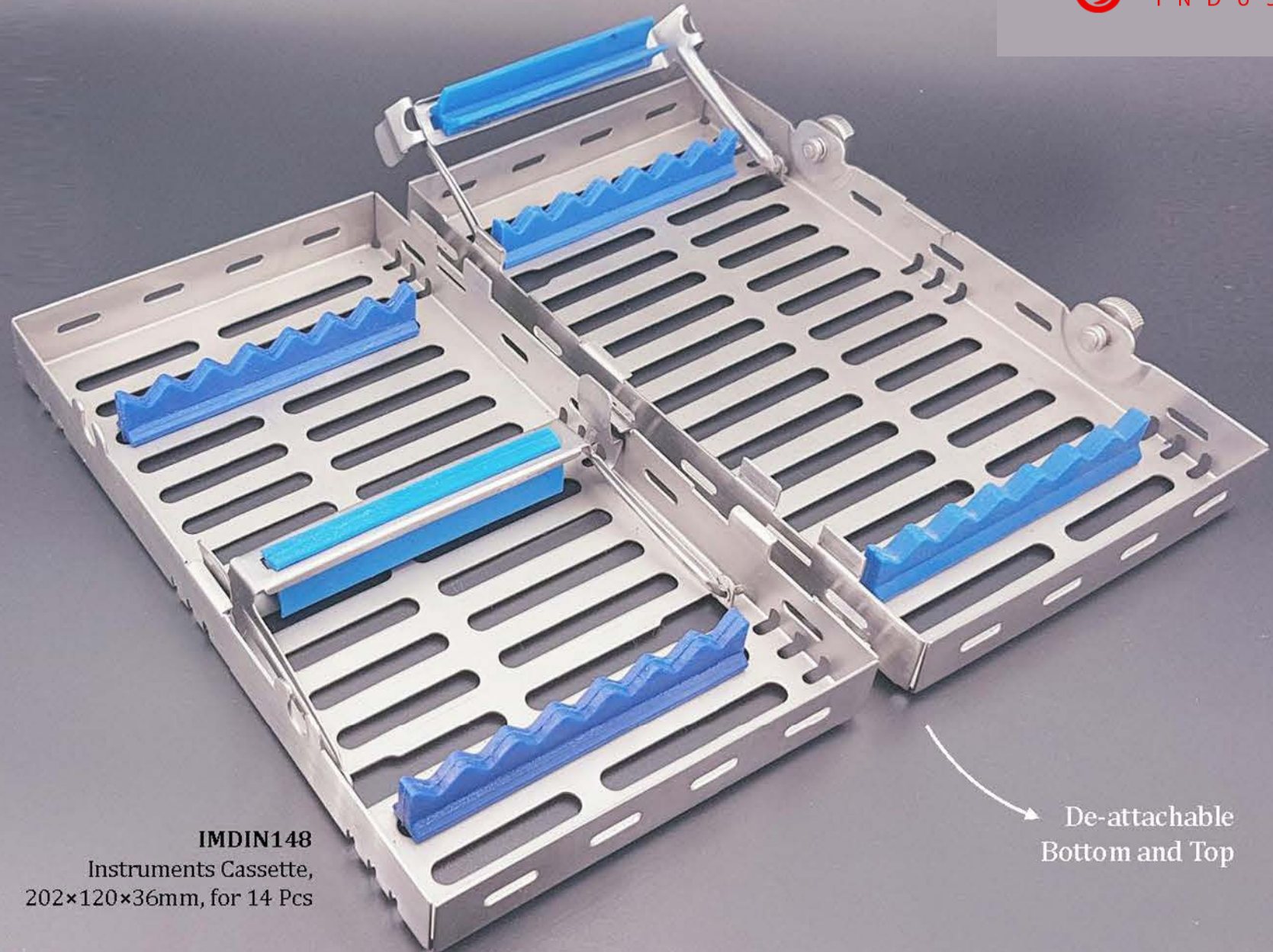


IMDIN88
Instruments Cassette,
202×85×36mm, for 8 Pcs



De-attachable
Bottom and Top

IMDIN108
Instruments Cassette,
184×145×34 mm, for 10 Pcs



IMDIN148
Instruments Cassette,
202×120×36mm, for 14 Pcs

De-attachable
Bottom and Top



IMECO108
Instruments Cassette,
for 10 instruments,
190×120×24 mm Blue



IMDIN208
Instruments Cassette,
202×120×36mm, for 14 Pcs

Medical instruments are subject to various standards and regulations to ensure their safety, efficacy, and quality. These standards are often developed by international organizations, national bodies, or industry-specific groups. Here are some applicable standards and regulatory bodies related to medical instruments:

ISO 13485: This is an international standard for the quality management system of medical devices. It outlines the requirements for a comprehensive quality management system, including design and development, production, and post-market surveillance.

ISO 14971: This standard focuses on risk management for medical devices. It provides guidance on identifying, analyzing, and mitigating risks throughout the product's lifecycle.

FDA (U.S. Food and Drug Administration): In the United States, the FDA regulates medical devices through various regulations, including the Quality System Regulation (21 CFR Part 820) and pre-market approval (PMA) or 510(k) clearance for specific devices.

CE Marking (European Conformity): Medical devices sold in the European Union must meet the requirements of the Medical Device Directive (MDD) or the Medical Device Regulation (MDR) and carry the CE mark, indicating compliance with European regulations.

IEC 60601-1: This is an international standard for the safety and essential performance of medical electrical equipment. It covers a wide range of electrical and electronic medical devices. **ASTM International:** ASTM develops and publishes numerous standards for medical devices. ASTM F2100-19, for example, specifies performance requirements for medical face masks.

USP (United States Pharmacopeia): USP sets standards for pharmaceuticals and related products, including certain medical instruments like syringes and needles. **AAMI (Association for the Advancement of Medical Instrumentation):** AAMI develops standards for medical devices and healthcare technology, including sterilization, electrical safety, and human factors engineering. **ISO 10993:** This standard series outlines the biological evaluation of medical devices to assess their biocompatibility. It covers various aspects, including cytotoxicity, sensitization, and implantation testing.

ISO 11607: This standard deals with packaging for terminally sterilized medical devices. It ensures that packaging maintains the sterility of the device until it is opened for use.

ISO 15223-1: This standard provides symbols to be used on medical device labels to convey essential information, including instructions for use, warnings, and precautions.

ISO 9001: While not specific to medical devices, ISO 9001 is a general quality management standard that can be applied to organizations involved in the design, development, and manufacturing of medical instruments.

These are just some of the key standards and regulatory bodies related to medical instruments. Depending on the type of device and the geographic market, additional standards and regulations may apply. Manufacturers and developers of medical instruments should thoroughly research and comply with the relevant standards and regulatory requirements to ensure their products meet the highest quality and safety standards.

Let's Connect ...

Supply & Delivery

We always kept stock of most commonly use instruments. We can thus provide you instruments with a rapid and reliable dispatch service without middle men, directly to your practice. In export countries we supply via specialist dealers.

All order shipped via standard shipping. All in stock instruments are processed and shipped within 48 hours from our warehouse. You can also expedite your shipping order for an extra charge by selecting priority shipping.

Warranty Policy

All instruments are warranted to be free from defects in workmanship and materials. Any product which proves defective in workmanship or materials will be repaired or replaced at no charge.

Warranty does not apply to normal wear and tear and use of the instrumentation beyond their limitations. It also excludes the improper usage of an instrument in a way that the particular instrument was designed and intended to be used. Moreover instruments damaged in an abusive or accidental manner are also excluded by this warranty.

Warranty is also avoided if the instruments are not stored and sterilized properly as shown in the instrument Care section of this catalog. Any modification or sharpening made to these instruments will not be replaceable.

Cleaning

Ultrasonic cleaning is the most effective way to clean your surgical and dental instruments, particularly instruments with hinges, box locks and other moving parts. All instruments must be pre washed prior to being fully submerged in an open position using distilled (demineralized) water and an ultrasonic cleaning solution. Always rinse ultrasonic cleaning solution from instruments with distilled water prior to sterilization.

An additional way to clean ultrasonic would be to manually clean the instruments with Nylon or stainless-steel brushes using a mild or low PH surgical detergent. We recommend strongly to not use the following steel wool, steel brushes or showering pads as they may damage the instrument finish. Make sure to always rinse any cleaning solution from the instruments with distilled water prior to sterilization.

Suggestions

The common cause for staining and our suggestions on how to avoid staining of the instruments are as follows.

Staining is a surface deposit on instruments, and most often mistaken for rust. After autoclaving, you may notice a stain on your instruments appear in many colors and in most cases the colors tell you about the origin of the stain.

Orange brown stain: The problem is most often a phosphate layer (brown to light orange) on the instrument, which develops as a result of any of the following causes,

- 1) Water sources.
- 2) Detergents used to wash and clean instruments.
- 3) Surgical wrappings.
- 4) Cold sterilization solutions or
- 5) Dried blood.

Black Stain: Black stains are commonly due to an acid reaction. Black stain may result from detergents used to clean the instruments, similar to brown stains caused by high PH in detergents. The black acid type stain can be caused by low PH (less than six) during autoclaving.

Dark brown stain: Dark brown stains are usually a result of dried blood left on an instrument. Blood should be removed from the surface of the instrument immediately. It will break down the

Material

The following surgical stainless steel materials are used for the instruments.

Scissors: AISI 420 Japanese

Gracey Curette: AISI 420 French

Scalers: AISI 420 French

Bone Rongeurs: AISI 420 French

Root Elevators: TIPS AISI 420 French SS & handle AISI 304 Japanese

Chisel & Bone Scrapers: AISI 420 French

Extracting Forceps: SISI 410 Japanese

Forceps: AISI 410 Japanese

Tweezers: AISI 410 Japanese

Retractors: AISI 410 Japanese

Needle Holders: AISI 410 Japanese

Orthodontics Pliers, Rubber dam, Mirror handle: AISI 420 & 310 Japanese

Dear Customer,

We kindly ask you to read carefully the following instruction before handling and using the instruments. These instruments have been prepared with great care and professionalism and its use is addressed only to qualified and dental specialized personnel.

1) First Use (Initial Use)

The instrument is supplied "Non Sterilized"; it must properly washed, rinsed and sterilized before to be used. Many joint instruments presents oily residuals in the parts, due to the manufacturing phases; please make sure to clean the instruments into the proper way. If the use of a washing machine is not possible, the instruments can also be washed manually by using a rigid brush with plastic bristles (no metal bristles) and make always sue the proper washing and decontamination solutions.

2) Sterilization

It is highly recommended to sterilize the instruments only after a proper cleaning. If the instrument is not perfectly cleaned, the result of the sterilization s prejudiced. Follow carefully the instruction for use provided by the manufacturer of the sterilization equipment. There are different ways for sterilizing the instruments.

2.1) Autoclave Sterilization

The main aim of the autoclave sterilization is to obtain a proper sterillization and in the meantime to maintain unchanged the structural and functional characteristics of the instruments as much as possible. This process must be done only and exclusively by expert personnel, that must have properly trained for the purpose.

- a. All the cleaning operations must be carried on only in areas dully equipped and organized for the kind of operation.
- b. Immediately after the use, instruments must be disinfected through the use of solutions whose effectiveness has been proved. Make sure of the right dosage of the cleaning/decontamination solutions, of the washing duration and of its temperature, following always the instructions given by the equipment manufacturer and by the cleaning solutions' producer.
- c. Cleaning / disinfectant solutions containing sodium chloride (NaCl) can often cause oxidation or corrosion to the instruments compromising seriously their use.
- d. Cleaning/disinfecting solutions must be changed daily.

- e. The best recommended method for a proper washing of the instruments is the ultrasound cleaning, especially suggested for the joint instruments (ex: pliers, scissors, needle holders,...)
- f. Do not put together in the same trays for the washing/sterillization instruments made of different metals (ex: common steel with stainless steel, aluminum, chromed steel, ...)
- g. Joint instruments (ex: pliers, scissors, needle holders, ...) Must be placed in a open position for the washing disinfection.
- h. Make sure that trays are not overloaded with instruments because this could compromise the washing/disinfection.
- i. Possible residuals after the first wash must be completely removed.
- j. It has been proved that the Ideal temperature for the final rinsing is between 80 C and 90 C.
- k. It is highly recommended to use only demineralized water during the final rinsing. This device avoid the rise up dark stains.
- l. To maintain the perfect efficiency of joint instruments, It is necessary to lubricate them regularly with specific products (Do not use industrial oil sat all).

Autoclave sterilization through saturated steam is the most used method nowadays: it is based on heat, that is necessary to sterillize, on saturated steam, that act on the thermal exchange with the instruments temperature, and on the thermal exchange with the instruments temperature, and on the pressure, that increase the water the water evaporation latent heat.

For this method of sterilization, it is highly recommended to make cycles that not overcome 7 minutes, with a temperature 134 and a pressure of 2.1 bar.

For the enveloped instruments it is very important to complete carefully the rinsing cycle because if some water remains into the envelop, it can cause corrosion or oxidation to the instruments and generate bacteria formation.

The sterile products must be preserved in defined areas, dry and without dust.

a) Dry heat sterilization:

A sterilization that overcomes the 177 C (350 F) weak the temper of the instrument and consequently the cut performance and the elasticity (above all for the cut instruments, that can suffer a decrease of the sharpening): It can also occur a darkening of the instruments, brown sports that seems to oxidation.

b) Aluminum and Titanium:
Do not put aluminum instruments and titanium instruments into thermal equipment and/or ultrasound bath. For the cleaning of these instruments use only substances that are specially suggested for aluminum and titanium.