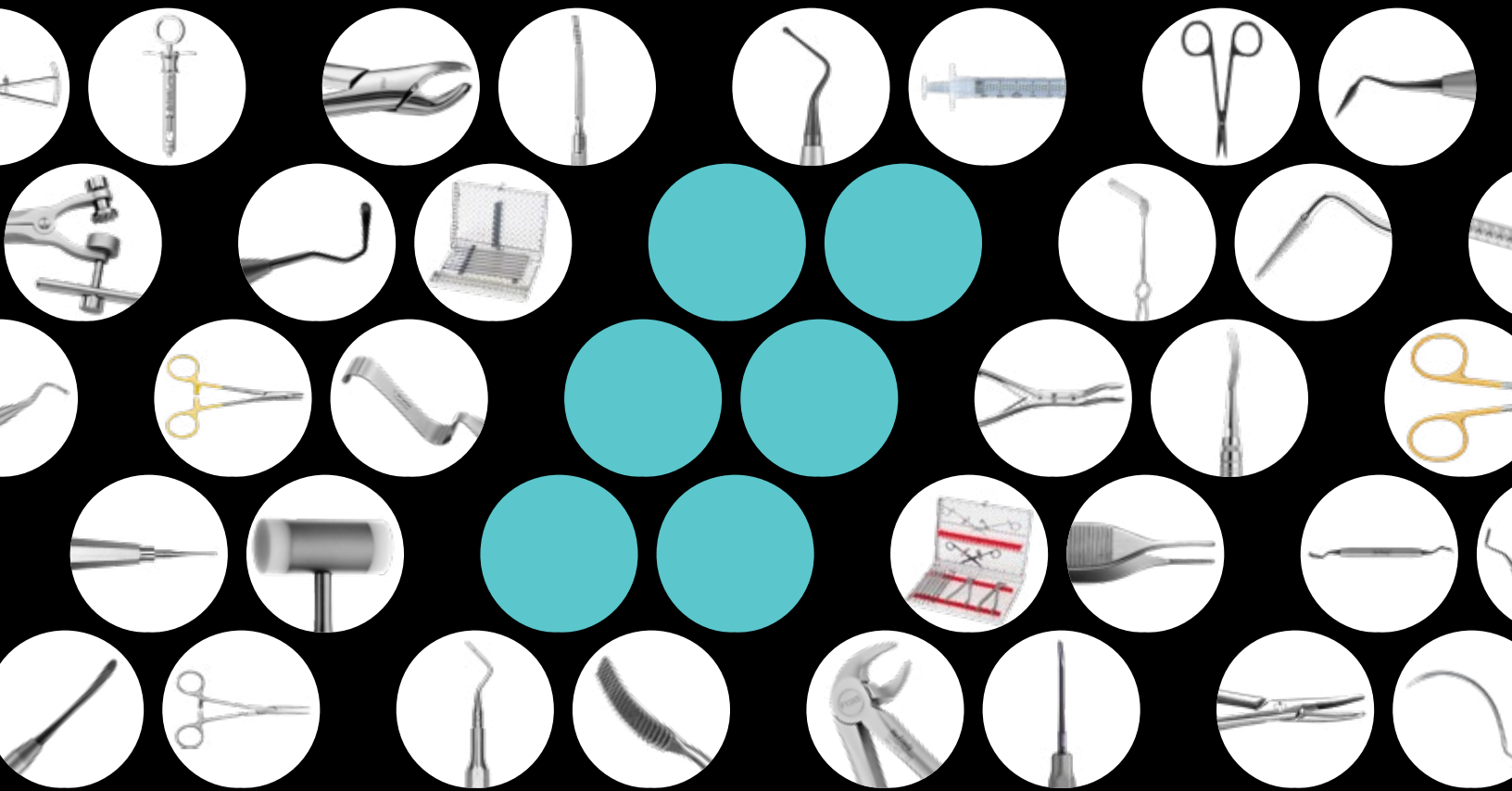


Surgical Catalog

2023



To our valued Customer,

On behalf of all my global teammates, I would like to personally thank you for choosing HuFriedyGroup as the extension of your technical skills and a reflection of how much you care for your patients' overall health. For those of you who might not have heard, we have added a word to our name recently. We added the word "Group" to better encompass the expanded value we are honored to provide. Hu-Friedy joined forces in 2019 with other brands that include Crosstex, Accutron, and Palmero, to name a few. This combination, which now comprises HuFriedyGroup, represents over 200 years of collective experience and commitment to dental professionals like you.

More recently, in June 2021, HuFriedyGroup became part of STERIS. STERIS is a leading provider of infection prevention and other procedural products and services. We couldn't be more excited to join the STERIS family as its fourth business segment. Despite a few changes over the years, one thing has remained constant: our focus on delivering you the highest quality product, service, and educational experiences in the dental industry.

As you will see throughout this catalog, we now provide you with more than ever before. Anchored by our best-in-class instrumentation portfolio and infection prevention products and services, we have expanded our offering with even more products that practices, schools, government institutions, and dental service organizations use every single day. From personal protective equipment to supplies for the operatory and treatment solutions for dental unit waterlines, our portfolio of now over 40,000 products has expanded beyond instrumentation into even more areas of dentistry, where you perfect your craft.

Our promise is to help you be the **Best in Practice**. You keep dentistry moving forward, and we will be there for you every step of the way on this journey. I am so excited to see what the future holds as we continue providing you, wherever you may be around the globe, with everything you need to fulfill our promise.



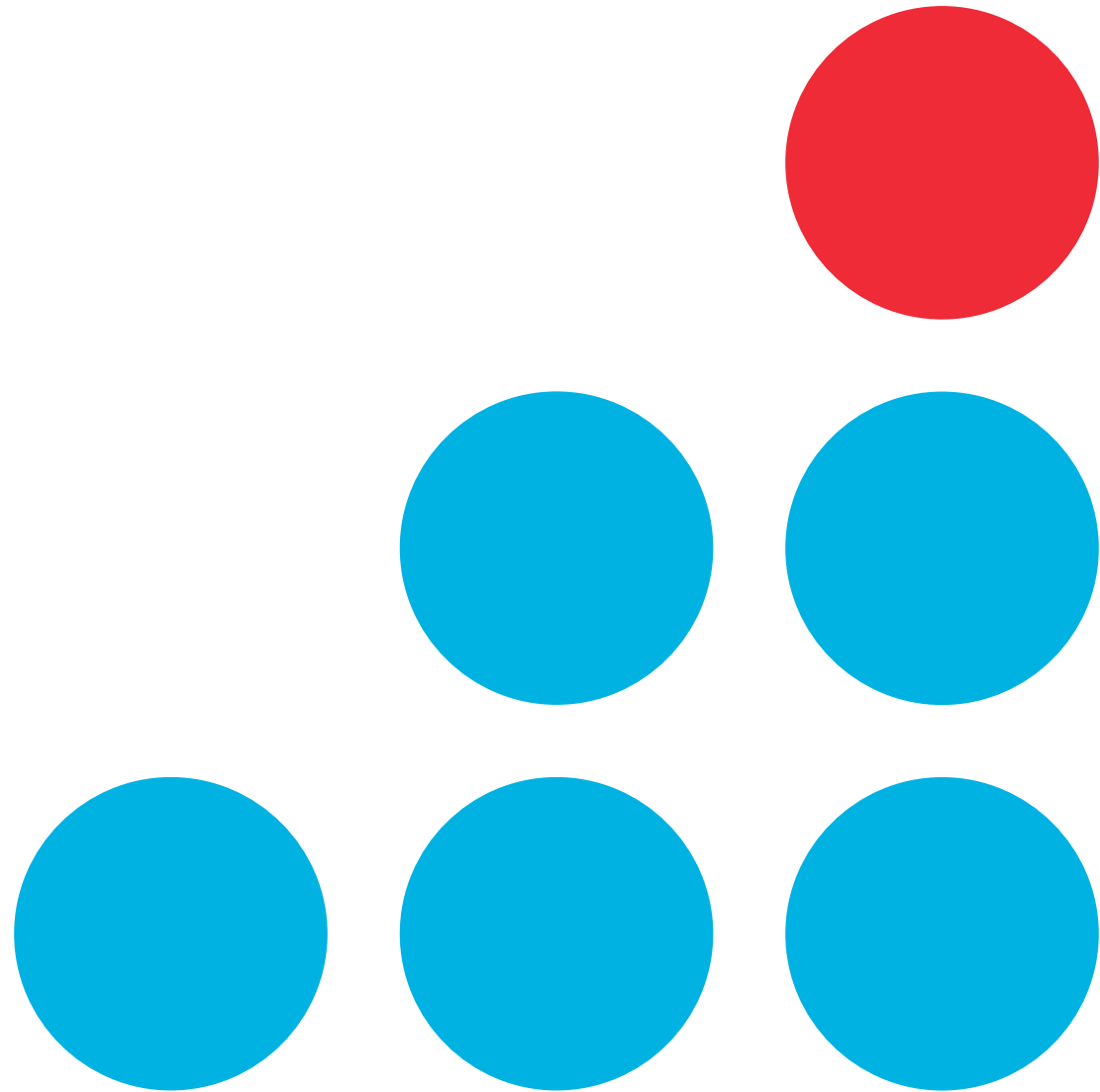
Sincerely,

Andy Xilas
President



Who We Are	3
Timeline	4
Ordering Information	6
Surgical	8
Surgical Black Line	10
Collections & Kits	12
Aspirators	24
Calipers	26
Chisels	27
Surgical Curettes	32
Elevators	37
Bone Files	49
Periodontal Files	51
Forceps	52
Gauze Packers	68
Grafting Instruments	69
Hemostats	72
Implantology	74
Knives	80
Mallets	84
Mouth Gags	84
Mouth Props	85
Needle Holders	85
Needles, Syringes, Needle-Syringe Combinations & IV Catheters	93
Osteotomes	95
Periosteals	98
Periotomes	107
Retractors	108
Rongeurs	113
Root Tip Picks	117
Scalpel Blades & Handles	122
Blades & Blade Handles	126
Scissors	129
Sutures	137
Syringes	140
Tissue Pliers	141
Tissue Nippers	150
Towel Clamps	151
Wire Products	152
Wire Twisters & Scissors	153

Canadian Sales Note: Some of the devices and/or products advertised may not be licensed for sale in accordance with Canadian law.



Who We Are

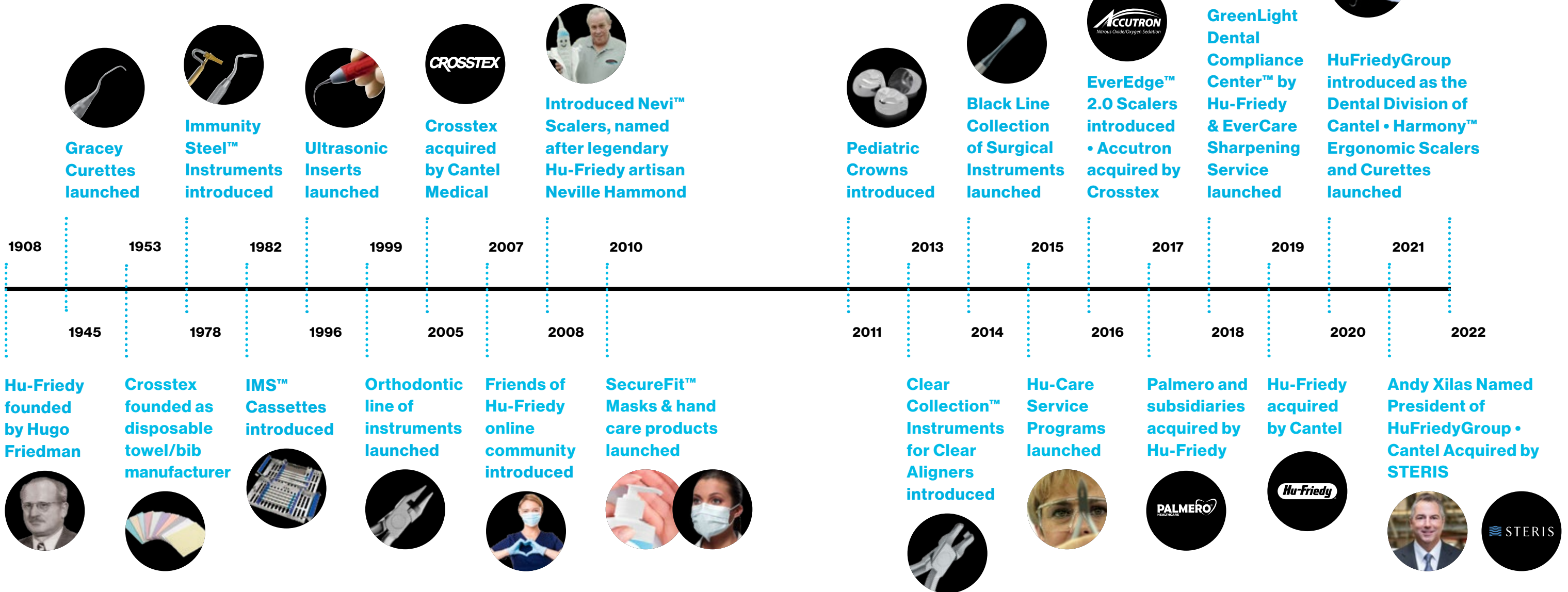
HuFriedyGroup is a global leader in dental instrument manufacturing, infection prevention, and instrument reprocessing workflows, with over 200 years of collective experience in the dental industry.

HuFriedyGroup is the combination of Accutron, Crosstex International, Hu-Friedy, and Palmero Healthcare, bringing together a combination of companies under one roof to deliver the products, services, and solutions dental professionals need to be the Best in Practice.

Together, HuFriedyGroup brings world-class products, services, education, and communities that result in superior clinician performance, superior clinical outcomes, and safety for clinicians and patients. Headquartered in Chicago, HuFriedyGroup products are distributed in more than 100 countries, and the dental division maintains offices in Germany, Italy, China, and Japan.

Timeline

The story of HuFriedyGroup dates back to 1908. For over a century, we have been shaping dentistry with innovative products and services design to help practitioners be the Best in Practice. Join us in looking back at our storied history to see every step that has led up to our now 40,000-plus product offering.





Ordering Information

How to Place an Order

Our instruments may be ordered through an authorized dental distributor. Your dental distributor will take your order and ship the product to you. If you have questions prior to placing an order or would like to place an order for HuFriedyGroup products, please contact our Customer Care Team via the contact information on the following page. We will need to know your distributor preference because your order will automatically be shipped and billed through your dental distributor. If you do not have a dental distributor, an authorized distributor listing is available from our website at HuFriedyGroup.com/wheretobuy/distributors

Customer Care Department

We are proud of our highly trained, qualified and professional Customer Care Team. They are dedicated to helping you meet your needs. Feel free to call a HuFriedyGroup Customer Care Representative when special assistance is needed.

Special Order Instruments

We manufacture an extensive selection of instruments. We welcome the opportunity to manufacture instruments on a special order basis. Instruments that are currently available but are desired in an alternative tip/handle selection or are a special school pattern, are considered special order instruments. Price quotations are available upon request. Submit all special order requests to HuFriedyGroup Customer Care at care@hu-friedy.com. All special order instruments are the property of Hu-Friedy.

Custom Design Instruments (Hu-Friedy Brand Only)

We are a leader in the development, manufacturing and distribution of quality dental instruments as well as products and services related to their use, maintenance and management. We will be pleased to review and provide a quote for custom designed instruments if we can meet your needs. Minimums may be required. All custom

designs remain the property of HuFriedyGroup. To receive a quotation for a custom instrument, please provide: 1) An actual sample and/or a detailed written description that includes all dimensions and measurements. For example: bend angle(s), point width(s), length(s), radius(radii), bevel angle(s), handle design, special material requirements, etc. 2) Provide the name and phone number of your dental distributor. This information will be used to prepare a price quotation. Pre-payment of an initial prototype fee and written approval of the price quotation is required to begin production. All prototype set-up fees are non-refundable. Subsequent orders (more than two years) after the initial order are subject to additional prototyping charges. All custom designs are the property of HuFriedyGroup

HuFriedyGroup Guarantee

Any HuFriedyGroup product that fails as a result of material defect or poor workmanship will be repaired or replaced at no charge. We cannot be responsible for the

performance or replacement of any HuFriedyGroup instrument that has been tampered with, modified, retipped, or refitted in any manner. See HuFriedyGroup.com/services/warranties full product warranty details.

Returns, Repair & Reconditioning

Complete service for HuFriedyGroup instruments and IMS™ Cassettes is available in our Chicago facility. Please contact us with any questions or concerns regarding HuFriedyGroup instruments. Call 1-888-TEC-TECH (1-888-832-8324) and you will automatically be connected with the HuFriedyGroup Technical Service Representative who covers your area. All returns should be sent to: HuFriedyGroup Technical Service 3232 N. Rockwell St., Chicago, IL 60618.

HuCare Surgical (US Only) Sharpening and Repairs Program

Through our Warranty Program for Surgical Instruments, we are pleased to offer free servicing

for the life of the instrument. This program protects your investment through regular, free service by the same HuFriedyGroup artisans that manufactured your instruments

Get started at www.hufriedygroup.com/hu-care-surgical/signup

Frequently Asked Questions
www.hufriedygroup.com/hu-care-surgical#faq

No Retipping

We do not repoint or retip instruments. To do so would compromise the structural integrity of the instrument and our quality standards. In addition, there is a high degree of potential risk to all parties inherent in such a service. Therefore, retipping or repointing instruments will void the warranty HuFriedyGroup offers.

Canadian Sales

Note: Some of the devices and/or products advertised may not be licensed for sale in accordance with Canadian law.

How to Contact HuFriedyGroup (U.S., Canada & International)

1-773-975-6100

HuFriedyGroup.com

Customer Care

1-800-HuFriedy
(1-800-483-7433)

Fax: 1-800-729-1299 or
1-773-975-1683

care@hu-friedy.com

Schools & Institutions

1-877-321-HFED
(1-877-321-4333)

Fax: 1-866-434-3576

schools@hu-friedy.com

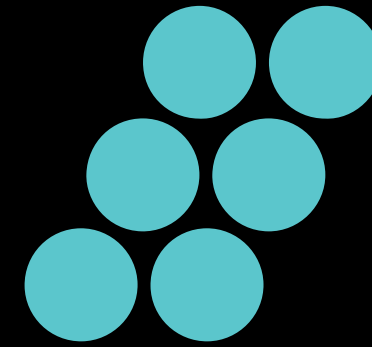
Government Team

government@hu-friedy.com

Technical Service

1-888-TEC-TECH
(1-888-832-8324)

Fax: 1-773-868-3544



Surgical

Our extensive line of Surgical Instruments, many designed in conjunction with Key Opinion Leaders, provide the absolute precision and performance required in dental surgery. By combining handcrafted artistry, innovative technology, utilizing proprietary materials and processes and through extensive quality controls, our instruments are crafted to the highest quality standard, enabling clinicians to deliver the best possible outcome for their patients every time and be the Best in Practice.

Surgical Black Line

Designed for performance, the HuFriedyGroup Black Line is engineered to optimize clinical outcomes by delivering efficiency throughout the entire surgical procedure. From reducing light reflection to enhancing visibility at the surgical site, the Black Line was designed with the clinician in mind. In addition to the surgical hand instrument portfolio, the Black Line now includes 7 Super-Cut scissor designs delivering superior performance through enhanced precision and innovation.

Black Line Surgical Hand Instruments




Performance engineered coating for a harder, smoother surface for **optimal edge retention and enhanced lubricity**

Reduced light reflection afforded by a matte finished handle and black working ends

Handcrafted with Immunity Steel® Alloy for **optimal strength and corrosion resistance**

Unique, smooth, large diameter lightweight handle for **maximum comfort, reduced hand fatigue and increased control**

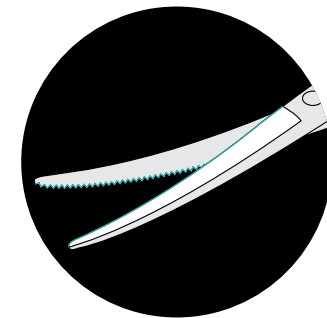
 Learn more about our entire **Black Line Collection**.

Black Line Scissors

Performance engineered coating for **optimal edge retention**

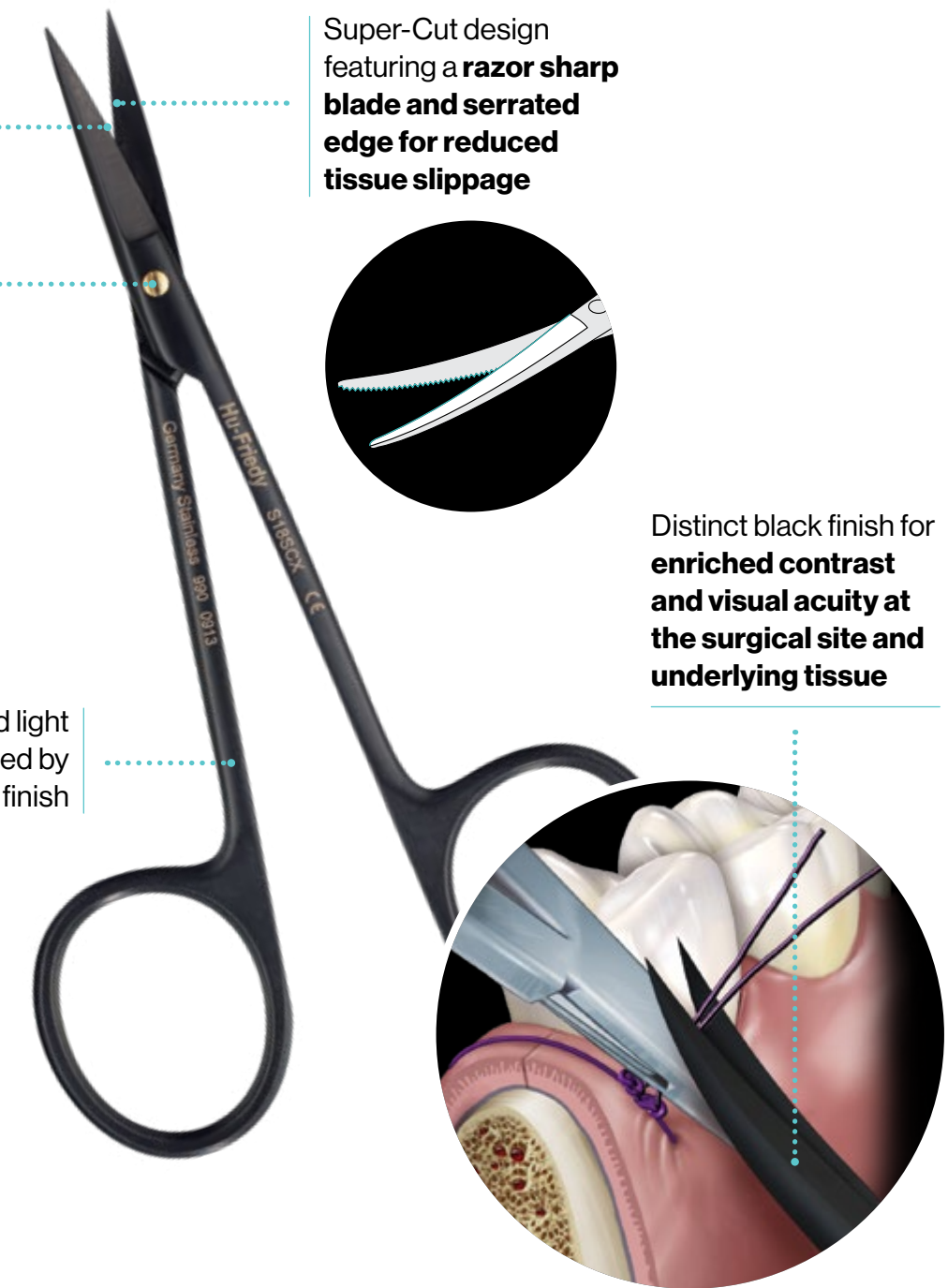
Gold screw for easy identification of **Super-Cut design**

Super-Cut design featuring a **razor sharp blade and serrated edge for reduced tissue slippage**



Distinct black finish for **enriched contrast and visual acuity at the surgical site and underlying tissue**

Reduced light reflection afforded by a matte black finish





Collections & Kits

We offer a wide variety of pre-assembled Surgical Kits & Collections for any Surgical procedure. Whether curated by HuFriedyGroup or by one of our world-renowned Key Opinion Leaders, our Kits and Collections are the perfect assembly of products for any dental surgeon.



Luxating Hybrid Elevator Kit, Black Line	EPTKITX
Small Cassette - 8 Instrument, Red	IMN5081
Luxating Hybrid Elevator, Straight Spade, Black Line	EPTSSPX
Luxating Hybrid Elevator, Small Straight, Black Line	EPTSMSX
Luxating Hybrid Elevator, Small Curved, Black Line	EPTSMCX
Luxating Hybrid Elevator, Small Distal, Black Line	EPTSMDX
Luxating Hybrid Elevator, Small Mesial, Black Line	EPTSMMX
Luxating Hybrid Elevator, Large Distal, Black Line	EPTLGDX
Luxating Hybrid Elevator, Large Mesial, Black Line	EPTLGMX
Ceramic, Cylindrical Sharpening Stone	SSKC

Luxating Hybrid Elevator Kit	EPTKIT
Small Cassette - 8 Instrument, Red	IMN5081
Luxating Hybrid Elevator, Straight Spade, #6 Handle	EPTSSP
Luxating Hybrid Elevator, Small Straight, #6 Handle	EPTSMS
Luxating Hybrid Elevator, Small Curved, #6 Handle	EPTSMC
Luxating Hybrid Elevator, Small Distal, #6 Handle	EPTSMD
Luxating Hybrid Elevator, Small Mesial, #6 Handle	EPTSMM
Luxating Hybrid Elevator, Large Distal, #6 Handle	EPTLGD
Luxating Hybrid Elevator, Large Mesial, #6 Handle	EPTLGM
Ceramic, Cylindrical Sharpening Stone	SSKC



Luxating Elevator Kit	ELKIT
Luxating Elevator, Curved	EL3C
Luxating Elevator, Straight	EL3S
Luxating Elevator, Curved	EL5C
Luxating Elevator, Straight	EL5S
Ceramic Sharpening Stone for Luxating Elevators, Medium Grit	SSLUX



Atraumatic Extraction Kit, Black Line	IMNATREXTX
Luxating Hybrid Elevator, Small Straight, Black Line	EPTSMSX
Luxating Hybrid Elevator, Small Curved, Black Line	EPTSMCX
Luxating Hybrid Elevator, Straight Spade, Black Line	EPTSSPX
35 Atraumair Apical Forceps	FAF35XS
36 Atraumair Apical Forceps	FAF36XS
2/4 Molt DE Curette, Black Line	CM2/4X
Crile-Wood Needle Holder	NHCW
16 Iris Scissors, Curved, Super-Cut, Black Line	S16SCX
#5 Scalpel Handle	10-130-05E
9 Molt Periosteal Elevator, Black Line	P9X
Hinged Instrument Clips, 6 Pack	IM1002
Large Cassette - 20 Instrument, Red	IMN4200

Atraumatic Extraction Kit	IMATRAEXT
Luxating Hybrid Elevator, Small Straight, #6 Handle	EPTSMS
Luxating Hybrid Elevator, Small Curved, #6 Handle	EPTSMC
Luxating Hybrid Elevator, Straight Spade, #6 Handle	EPTSSP
Apical Forceps 150	FAF150
Apical Forceps 151	FAF151
2/4 Molt DE Curette, #6 Handle, Short	CM2/4S6
Crile-Wood Needle Holder	NHCW
16 Iris Scissors, Curved, Super-Cut	S16SC
#5 Scalpel Handle, Round Straight	10-130-05
9 Molt Periosteal Elevator, #6 Handle	P96
Hinged Instrument Clips, 6 Pack	IM1002
Large Cassette - 16 Instrument, Gray	IM4161



Basic Perio Kit, Black Line	IMNBASPERX
Hinged Instrument Clips, 6 Pack	IM1002
#5 Front Surface Rhodium Single-Sided Mirror	MIR5
#6 Cone Socket Mirror Handle	MH6
#3 Scalpel Handle	10-130-03
1/2 Allen Modified Orban Knife, Round, Black Line	KO12KPO3RX
23/QOW Thin Williams Expro, #6 Handle	XP23/QOW6
Gracey 11/12 Curette, #6 Handle	SG11/126
Gracey 13/14 Curette, #6 Handle	SG13/146
PR-3 Prichard Periosteal, Black Line	PPR3X
2/4 Molt DE Curette, Black Line	CM2/4X
13K/13KL DE Surgical Chisel, Black Line	S13K/13KLX
Crile-Wood Needle Holder	NHCW
Large Cassette with Accessory Area - 12 Instrument, Gray	IMN4121
16 Iris Scissors, Curved, Super-Cut, Black Line	S16SCX

Basic Perio Kit	IMBASPER
Large Cassette - 12 Instrument, Gray	IM4121
Hinged Instrument Clips, 6 Pack	IM1002
#5 Front Surface Rhodium Single-Sided Mirror	MIR5
#6 Cone Socket Mirror Handle	MH6
#3 Scalpel Handle	10-130-03
1/2 Allen Modified Orban Knife, Round, #6 Handle	KO12KPO3AR
23/QOW Thin Williams Expro, #6 Handle	XP23/QOW6
Gracey 11/12 Curette, #6 Handle	SG11/126
Gracey 13/14 Curette, #6 Handle	SG13/146
PR-3 Prichard Periosteal, #6 Handle	PPR36
2/4 Molt DE Curette, #6 Handle, Short	CM2/4S6
13K/TG DE Curette/Chisel, #6 Handle	S13K/TG6
Crile-Wood Needle Holder	NHCW
16 Iris Scissors	S16

Bone Grafting Kit, Black Line	IMNBGKITX
Large Cassette with Accessory Area - 12 Instrument, Blue	IMN4128
#5 Scalpel Handle	10-130-05E
Euwe Bone Scoop/Plugger, #6 Handle	CSEUWES6
Microsurgical Suture Plier	SPM20
Buser Periosteal Elevator, Black Line	PPBUSERX
9 Molt Periosteal Elevator, Black Line	P9X
PJO/1 & PJO/3 Combined 13KL Chisel, Black Line	PPBUSER13X
PJO/2 & PJO/3 Combined 13KL Chisel, Black Line	PPBUSER23X
86 Lucas DE Surgical Curette, Black Line	CL86X
PR1/2 Prichard DE Curette, #6 Handle	SPR1/26
Measuring Cup with 25ml Markings	MCUPE
16 Iris Scissors, Curved, Super-Cut, Black Line	S16SCX
Crile-Wood Needle Holder	NHCW
Membrane Placement Instrument, Black Line	PMPIX
Hinged Instrument Clips, 6 Pack	IM1002

Bone Grafting Kit	IMBGKIT
Large Cassette - 12 Instrument, Blue	IM4128
#5 Scalpel Handle, Round Straight	10-130-05
Euwe Bone Scoop/Plugger, #6 Handle	CSEUWES6
20 Corn Suture Plier	SP20
Buser Periosteal Elevator, #6 Handle	PPBUSER6
9 Molt Periosteal Elevator, #6 Handle	P96
PJO/1 & PJO/3 Combined 13KL Chisel, #6 Handle	PPBUSE1/36
PJO/2 & PJO/3 Combined 13KL Chisel, #6 Handle	PPBUSE2/36
86 Lucas DE Surgical Curette, #6 Handle	CL866
PR1/2 Prichard DE Curette, #6 Handle	SPR1/26
Measuring Cup with 25ml Markings	MCUPE
16 Iris Scissors	S16
Hegar-Baumgartner Needle Holder	NHHB
Membrane Placement Instrument	PMPI
Hinged Instrument Clips, 6 Pack	IM1002



Crestal Sinus Lift Kit, Black Line	IMNCREKITX
Large Cassette with Accessory Area - 16 Instrument, White	IMN4162
#3 Scalpel Handle	10-130-03
9 Molt Periosteal Elevator, Black Line	P9X
2/4 Molt DE Curette, Black Line	CM2/4X
Adson-Brown Perma Sharp™ Tissue Plier	TP5043
Euwe Bone Scoop/Plugger, #6 Handle	CSEUWES6
CP-20 Color-Coded Probe, #6 Handle	PCP65006
1 Palti Osteotome	OSTPAL1
2 Palti Osteotome	OSTPAL2
3 Palti Osteotome	OSTPAL3
4 Palti Osteotome	OSTPAL4
Woodson Periosteal, #6 Handle	PFIWDS16
Hinged Instrument Clips, 6 Pack	IM1002
Crile-Wood Perma Sharp™ Needle Holder	NH5038

Crestal Sinus Lift Kit	IMCRESTKIT
Large Cassette with Accessory Area - 16 Instrument, White	IM4162
#3 Scalpel Handle	10-130-03
9 Molt Periosteal Elevator, #6 Handle	P96
2/4 Molt DE Curette, #6 Handle, Short	CM2/4S6
43 Adson-Brown Tissue Pliers, Straight	TP43
Euwe Bone Scoop/Plugger, #6 Handle	CSEUWES6
CP-20 Color-Coded Probe, #6 Handle	PCP65006
1 Palti Osteotome	OSTPAL1
2 Palti Osteotome	OSTPAL2
3 Palti Osteotome	OSTPAL3
4 Palti Osteotome	OSTPAL4
Woodson Periosteal, #41 Handle	PFIWDS1
PR-3 Prichard Periosteal, #6 Handle, Short	PPR3S6

Extraction Kit, Black Line	IMNEXTKITX
Oral Surgery Cassette, Orange	IMNOS3
#5 Scalpel Handle	10-130-05E
9 Molt Periosteal Elevator, Black Line	P9X
Mayo-Hegar Needle Holder	NHMH
16 Iris Scissors, Curved, Super-Cut, Black Line	S16SCX
86 Lucas DE Surgical Curette, Black Line	CL86X
301 Apexo Elevator	E301
Mini Cryer Left Elevator	E21
Mini Cryer Right Elevator	E22
2X Miller-Colburn Bone File, #6 Handle	BF2X6
13/14 Heidbrink DE Root Pick, Black Line	EHB13/14X
Friedman Rongeurs	RF
43 Adson-Brown Tissue Pliers, Straight	TP43
Luxating Hybrid Elevator, Straight Spade, Black Line	EPTSSPX
Hinged Instrument Clips, 6 Pack	IM1002

Extraction Kit	IMEXTKIT
Large Cassette - 16 Instrument, Orange	IM4163E2C4
#5 Scalpel Handle, Round Straight	10-130-05
9 Molt Periosteal Elevator, #6 Handle	P96
Mayo-Hegar Needle Holder	NHMH
16 Iris Scissors	S16
86 Lucas DE Surgical Curette, #6 Handle	CL866
301 Apexo Elevator	E301
34S Seldin Straight Elevator	E34S
2X Miller-Colburn Bone File, #6 Handle	BF2X6
13/14 Heidbrink DE Root Tip Pick, #6 Handle	EHB13/146
Friedman Rongeurs	RF
43 Adson-Brown Tissue Pliers, Straight	TP43
Luxating Hybrid Elevator, Straight Spade, #6 Handle	EPTSSP

Minimally Invasive Extraction Kit	MIEKIT
Luxating Elevator, Straight	EL3S
Luxating Elevator, Straight	EL5S
Luxating Elevator, Curved	EL3C
Luxating Elevator, Curved	EL5C
Periotome, Posterior	PT1
Periotome, Anterior	PT2
Apical Forceps 1	FAF1
Apical Forceps 150	FAF150
Apical Forceps 151	FAF151
Apical Forceps 222	FAF222
Apical Forceps X67A	FAFX67A
Apical Forceps X74N	FAFX74N



Keys Socket Grafting Kit	IMNKEYSGKT
Large Cassette with Accessory Area - 16 Instrument, Purple	IMN4164
23/CP-8 Expro, #6 Handle	XP23/86
2 Kelly Hemostat, Curved	H2
Grisdale Bone Condenser, Black Line	PLGGR1X
2/4 Molt DE Curette, Black Line, Short	CM2/4SX
#5 Scalpel Handle, Round Straight	10-130-05
PR-3 Prichard Periosteal, Black Line	PPR3X
Perma Sharp™ Halsey Needle Holder, Serrated	NH5037
Metzenbaum Perma Sharp™ Scissors, Curved, Blunt	S5055
DeBakey Perma Sharp™ Tissue Plier	TP5090
1 Dressing Pliers (Perry)	DP1
Membrane Placement Instrument, Black Line	PMP1X
Measuring Cup with 25ml Markings	MCUPE
Bone Grafting Syringe	SYBG
85 Lucas DE Surgical Curette, #6 Handle	CL856
S13K/TG Jovanovic 4MM Chisel, #6 Handle	PJO/16

Lateral Sinus Lift Kit, Black Line	IMNLATKITX
Large Cassette with Accessory Area - 16 Instrument, White	IMN4162
Kramer-Nevins Obtuse Sinus Lift Instrument, Large/Small, Black Line	IMP6578SX
Kramer-Nevins Acute Sinus Lift Instrument, Large/Small, Black Line	IMP6577SCX
Bone Packer DE	BPACK
Bone Grafting Syringe	SYBG
Bone Tamper	BONT
Crile-Wood Needle Holder	NHCW
16 Iris Scissors, Curved, Super-Cut, Black Line	S16SCX
Urban Cheek Retractor	CRURBAN
Hinged Instrument Clips, 6 Pack	IM1002

Lateral Sinus Lift Kit	IMLATKIT
Large Cassette with Accessory Area - 16 Instrument, White	IM4162
Kramer-Nevins Obtuse Sinus Lift Instrument, Large/Small, #6 Handle	IMP65786
Kramer-Nevins Acute Sinus Lift Instrument, Large/Small, #6 Handle	IMP6577SC6
Bone Packer DE	BPACK
Bone Grafting Syringe	SYBG
Bone Tamper	BONT
Crile-Wood Needle Holder	NHCW
16 Iris Scissors	S16
Urban Cheek Retractor	CRURBAN
Hinged Instrument Clips, 6 Pack	IM1002

Microsurgical Kit, Black Line	IMNMICSURX
7 Mini Scalpel Blade Holder	10-130-70
13K/13KL DE Surgical Chisel, #9 Handle	S13K/13KL9
36/37 Back-Action DE Chisel, #9 Handle	C36/379
Diamond Dusted Plain Micro Tissue Pliers, Straight	8-905DD
Cortellini Castroviejo Microsurgical Needle Holder, Straight	NH5024CORT
Buser Periosteal Elevator, Black Line	PPBUSERX
Castroviejo Microsurgical Scissors, Black Line	SPVX
Large Cassette with Accessory Area - 12 Instrument, Gray	IMN4121
Qulix SE UNC Probe, 1-15, #6 Handle	PCPUNC156
#5 Front Surface Rhodium Single-Sided Mirror	MIR5
#6 Cone Socket Mirror Handle	MH6

Microsurgical Kit	IMMICSUR
7 Mini Scalpel Blade Holder	10-130-70
13K/13KL DE Surgical Chisel, #6 Handle	S13K/13KL6
36/37 Back-Action DE Chisel, #6 Handle	C36/376
Diamond Dusted Plain Micro Tissue Pliers, Straight	8-905DD
Cortellini Castroviejo Microsurgical Needle Holder, Straight	NH5024CORT
Buser Periosteal Elevator, #6 Handle	PPBUSER6
Castroviejo Microsurgical Scissors	SPV
Signa-Stat Cassette - 12 Instrument, Red	IM8120
Qulix SE UNC Probe, 1-15, #6 Handle	PCPUNC156
#5 Front Surface Rhodium Single-Sided Mirror	MIR5
#6 Cone Socket Mirror Handle	MH6

Rescue Kit, Black Line	IMNRESCUEX
Luxating Hybrid Elevator, Straight Spade, Black Line	EPTSSPX
Luxating Hybrid Elevator, Small Curved, Black Line	EPTSMCX
Luxating Hybrid Elevator, Small Straight, Black Line	EPTSMSX
13/14 Heidbrink DE Root Pick, Black Line	EHB13/14X
86 Lucas DE Surgical Curette, Black Line	CL86X
Mini Friedman Rongeurs	RMF
Large Cassette - 12 Instrument, Red	IMN8120

Rescue Kit	IMRESCUE
Rescue Kit	IMRESCUE
Luxating Hybrid Elevator, Straight Spade, #6 Handle	EPTSSP
Luxating Hybrid Elevator, Small Curved, #6 Handle	EPTSMC
Luxating Hybrid Elevator, Small Straight, #6 Handle	EPTSMS
13/14 Heidbrink DE Root Tip Pick, #6 Handle	EHB13/146
86 Lucas DE Surgical Curette, #6 Handle	CL866
Mini Friedman Rongeurs	RMF
4 Modified Trephine Bur	TRE040M
6 Modified Trephine Bur	TRE060M
IMS™ 1/2 Bur Cushion - Short Lid	IMS-1372SH
Large Cassette - 16 Instrument, Red	IM4160



Bone Spreading Kit		BONEKIT	
Bone Spreading Cassette	IMDINOST	5.0 mm Osteotome Tapered Concave Tip, Straight	OSTMSH50
2.7 mm Osteotome Tapered Convex Tip, Straight	OSTMSP27	2.7 mm Osteotome Tapered Concave Tip, Angulated	OSTMSH27A
3.2 mm Osteotome Tapered Convex Tip, Straight	OSTMSP32	3.2 mm Osteotome Tapered Concave Tip, Angulated	OSTMSH32A
3.7 mm Osteotome Tapered Convex Tip, Straight	OSTMSP37	3.7 mm Osteotome Tapered Concave Tip, Angulated	OSTMSH37A
4.2 mm Osteotome Tapered Convex Tip, Straight	OSTMSP42	4.2 mm Osteotome Tapered Concave Tip, Angulated	OSTMSH42A
5.0 mm Osteotome Tapered Convex Tip, Straight	OSTMSP50	5.0 mm Osteotome Tapered Concave Tip, Angulated	OSTMSH50A
2.7 mm Osteotome Tapered Convex Tip, Angulated	OSTMSP27A	2.7 mm Osteotome Bone Pushers, Slightly Convex Tip, Straight	OSTMPU27
3.2 mm Osteotome Tapered Convex Tip, Angulated	OSTMSP32A	3.2 mm Osteotome Bone Pushers, Slightly Convex Tip, Straight	OSTMPU32
3.7 mm Osteotome Tapered Convex Tip, Angulated	OSTMSP37A	3.7 mm Osteotome Bone Pushers, Slightly Convex Tip, Straight	OSTMPU37
4.2 mm Osteotome Tapered Convex Tip, Angulated	OSTMSP42A	4.2 mm Osteotome Bone Pushers, Slightly Convex Tip, Straight	OSTMPU42
5.0 mm Osteotome Tapered Convex Tip, Angulated	OSTMSP50A	5.0 mm Osteotome Bone Pushers, Slightly Convex Tip, Straight	OSTMPU50
2.7 mm Osteotome Tapered Concave Tip, Straight	OSTMSH27	2.7 mm Osteotome Bone Pushers, Angled	OSTMPU27A
3.2 mm Osteotome Tapered Concave Tip, Straight	OSTMSH32	3.2 mm Osteotome Bone Pushers, Angled	OSTMPU32A
3.7 mm Osteotome Tapered Concave Tip, Straight	OSTMSH37	3.7 mm Osteotome Bone Pushers, Angled	OSTMPU37A
4.2 mm Osteotome Tapered Concave Tip, Straight	OSTMSH42	4.2 mm Osteotome Bone Pushers, Angled	OSTMPU42A
		5.0 mm Osteotome Bone Pushers, Angled	OSTMPU50A
		Interchangeable Osteotome Handle	OSTMGRIF

Key Opinion Leader Kits



Allen/Johnston Suture Removal Kit	AJSRKIT
Castroviejo Microsurgical Needle Holder, Curved	NHM-5027
31 Castroviejo Scissors	S31
Combination #6 and #3 DE Explorer, #6 Handle	EXD66
#5 DE Explorer, #6 Handle	EXD56
Dressing Pliers, Utility Pick-Up	DPU17
Exam Cassette - 5 Instrument, Purple	IM5056E2



Learn more about our Key Opinion Leader Pat Allen.



Allen Oral Plastic Surgery Kit	ALLENKIT
Large Cassette with Accessory Area - 12 Instrument, Red	IMN4160
Cook-Waite Anesthetic Aspirating Syringe	SYRCW
#5 Scalpel Handle, Round Straight	10-130-05
Qulix SE Probe, 3-6-8-11, #6 Handle	PCP116
#5 Front Surface Rhodium Single-Sided Mirror (QTY: 3)	MIR5/3
#6 Cone Socket Mirror Handle (QTY: 2)	MH6(2)
Allen End-Cutting Intracuticular Knife, Black Line	KPAX
Allen Arrowhead Knife, #9 Handle	KO12KP3R49
1/2 Allen Modified Orban Knife, Round, #9 Handle	KO12KPO3R9
Younger-Good 7/8 Curette, #9 Handle (QTY: 2)	SYG7/89E2
20 Corn Suture Plier	SP20
Diamond Dusted Plain Micro Tissue Pliers, Straight	8-905DD
Diamond Dusted Castroviejo Microsurgical Needle Holder, Straight	NHM-5026R
Goldman-Fox Perma Sharp™ Scissors, Straight	S5080
Periosteal, Allen Elevator, Black Line	PPAELX
Periosteal, Allen Elevator, Anterior, Black Line	PPAELAX
Periosteal, Allen Elevator, Posterior, Black Line	PPAELPX
Measuring Cup with 25ml Markings	MCUPE
Allen Membrane Measurement Card	ALLENCARD

Allen Basic Kit, Black Line	ALLENBASIX
1/2 Allen Orban Knife, Black Line	KO12KPO3AX
1/2 Allen Modified Orban Knife, Round, Black Line	KO12KPO3RX
Allen End-Cutting Intrasulcular Knife, Black Line	KPAX
Periosteal, Allen Elevator, Black Line	PPAELX
Periosteal, Allen Elevator, Anterior, Black Line	PPAELAX
Exam Cassette - 5 Instrument, Blue	IM6058

Koerner Basic Oral Surgery Kit	KOERNERKIT
Oral Surgery Cassette, Red	IMOSO
#3 Scalpel Handle	10-130-03
23 Seldin Periosteal Retractor	P23
9 Molt Periosteal Elevator, Black Line	P9X
Mayo-Hegar Perma Sharp™ Needle Holder	NH5042
Apical Forceps 151	FAF151
Apical Forceps 150	FAF150
301 Apexo Elevator	E301
1 Kelly Scissors, Curved	S1
2 Heidbrink Root Tip Pick	EHB2
1 Heidbrink Root Tip Pick	EHB3
86 Lucas DE Surgical Curette, Black Line	CL86X
B Cogswell Elevator	EBSM
Mini Cryer Left Elevator	E21
Mini Cryer Right Elevator	E22
Luxating Elevator, Straight, Black Line	EL3SX
2X Miller-Colburn Bone File	BF2X
30° Blumenthal Rongeurs	RBL
Luxating Hybrid Elevator, Straight Spade, #6 Handle	EPTSSP
43 Adson-Brown Tissue Pliers, Straight	TP43
University of Minnesota Retractor	CRM
2 Kelly Hemostat, Curved	H2

Malo All-On-4 Surgery Kit	MALALL4KIT
Large Cassette - 12 Instrument, Red	IM4120
Hinged Instrument Clips, 2 Pack	IM1000
#5 Scalpel Handle, Round Straight	10-130-05
DeBakey Perma Sharp™ Tissue Plier	TP5091
Lichtenberg Perma Sharp™ Needle Holder	NHLBPSB
Bishop Cheek Retractor	CRB
85 Lucas DE Surgical Curette, #6 Handle	CL846
88 Lucas DE Surgical Curette, #6 Handle	CL886
Malo Periosteal, #9 Handle	PP5689
3A/UNC15 Expro, #6 Handle	XP3A/NC156
Kelly Perma Sharp™ Scissors, Straight	S5002
Beyer Rongeurs	RBEY
Implant Retractor	IR

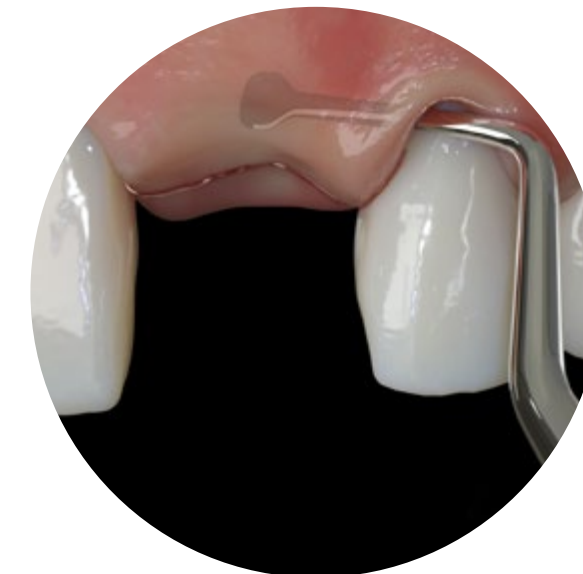
Suzuki Basic Perio Surgery Kit	SUZUKIKIT
Signa-Stat Cassette with Accessory Area - 12 Instrument, Blue	IM8128C4
#5 Front Surface Rhodium Single-Sided Mirror	MIR5
#6 Cone Socket Mirror Handle	MH6
23/QOW Thin Williams Expro, #7 Handle	XP23/QOW7
Dressing Pliers, Utility Pick-Up	DPU17
#5 Scalpel Handle, Round Straight (QTY: 2)	10-130-05
1/2 Orban Knife DE	KO1/2
2/4 Molt DE Curette, #522 Handle	CM2/4
McCall 17/18 Curette, #6 Handle	SM17/186
13K/TG DE Curette/Chisel, #2 Handle	S13K/TG
Crile-Wood Needle Holder	NHCW
16 Iris Scissors	S16
1S/2S Sugarman DE File, #2 Handle	FS1/2S

Urban General Surgery Kit	URBANGSKIT
Cone Socket Mirror #6 Handle	MH6
#5 HD Mirror, Single-sided, Cone Socket	MIR5HD
17 Dressing Pliers	DP17
UNC15/12 Color Probe, DE, #6 Handle	PCNC15/126
Scalpel Handle No. 5	10-130-05E
Mini Me Microsurgical Periosteal, Black Line Handle	PFIWDS1MKX
Curette Columbia #4R/4L, #9 Handle	SC4R/4L9E2
PR-3 Prichard Periosteal, Black Line Handle	PPR3X
Scaler Ball #B-2/3, #6 Handle	SB2/36
Micro Tissue Plier Stg 18cm	TPSLCOSM
Needle Holder Simion	NH5024SIM
16 Goldman-Fox Scissors, Curved, Serrated, SuperCut, 12.5cm	S16SC
6 DeBakey Perma Sharp™ Tissue Pliers	TP5090
Retractor U of Minnesota MP54 Markel Mouth Prop, Adult Pair	CRM
4 Mosquito Hemostat, Straight	H4
IMS™ 1/2 Bur Cushion Short Lid, 6 Burs	IMS-1372SH
Periotome #1 Black Line, Posterior	PT1X
Urban Chisel	CURBAN1
16 Instrument IMS™ Cassette, Green, 8"x11", 4 Posted Clips	IM4169C4

Urban Sinus Lift Kit	URBANSLKIT
Periosteal Prichard #3, Short #6 Handle	PPR3S6
Jovanlvc pPlugger DE, #6 Handle	PLGJO/46
Urban Cheek Retractor	CRURBAN
Urban Sinus Lift Instrument #1, #6 Handle	IMPURBAN16
Urban Sinus Lift Instrument #2, #6 Handle	IMPURBAN26
Urban Sinus Lift Instrument #3, #6 Handle	IMPURBAN36
10 Instrument IMS™ Signature Series™ Cassette, Gray	IM5101



Learn more about our Key Opinion Leader **Istvan Urban.**



The PM Nanos A (Angulated), EverEdge™ 2.0, Perio Knife (PMNANOAS) helps in creating a partial or full thickness envelope flap during connective tissue grafting procedures.




Learn more about our partnership with **Pink Matters.**

Pink Matters Surgical Kit	PMKIT
#6 Black Line Cone Socket Mirror Handle	MH6B
#5 HD Black Line Double-Sided Mirror, Cone Socket	MIR5DSHDB
S204S, Matte Finish	S204SCCHE2
Mini Scalpel Blade/Mirror Handle Stainless Steel	SHDPV
5 European Style Matte Scalpel Handle	10-130-5EM
Qulix SE UNC Probe, 1-15	PCPUNC15CH
DeBakey Perma Sharp™ Tissue Plier	TP5090
Micro Tissue Plier, Straight	TPSLCOSM
Diamond Dusted Castroviejo Microsurgical Needle Holder, Curved	NHDCPVN
Castroviejo Microsurgical Scissors, Black Line	SPVX
18 Iris Scissors, Curved, Super-Cut, Black Line	S18SC
University of Minnesota Retractor, Black Line	CRMX
PM Nanos S Perio Knife, Straight	PMNANOSS
PM Nanos A Perio Knife, Angulated	PMNANOAS
PM Edge Crestal Bone Chisel, Short	PMEDGES
PM Split Periosteal	PMSPLITSX
PM Prodigy Surgical Curette	PMPRODIGYS
Oral Surgery Cassette, Black	IMOS7


Aspirators

Ergonomic aspirator designs and various tip diameters allow for precision suction, helping to remove blood and fragments of tissue and bone without obstructing access to the surgical site.


 Learn more about our [Aspirators](#).



Aspiration Cannula Kotschy (13 cm)
ASKOT

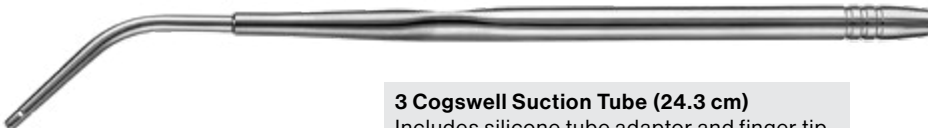


Andrew-Pychon Aspirator (23 cm)
Includes silicone tube adaptor.
ASPA

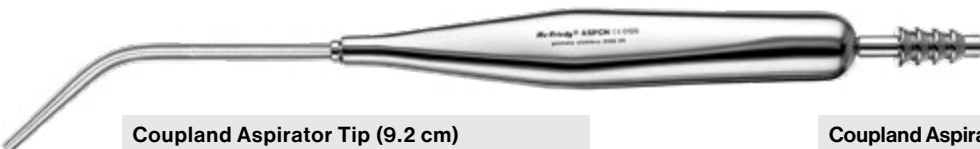


B1 Byrd Self-Cleaning Aspirator (21.5 cm)
Includes silicone tube adaptor.

- 1.5 mm **ASPB1**
- 2 mm **ASPB2**
- 2.5 mm **ASPB3**




3 Cogswell Suction Tube (24.3 cm)
Includes silicone tube adaptor and finger tip hole to adjust aspiration.
ASPCG3



Coupland Aspirator Tip (9.2 cm)


- #1 Coupland Aspirator Tip (1.5 mm) **ASPCT1**
- #2 Coupland Aspirator Tip (2 mm) **ASPCT2**
- #3 Coupland Aspirator Tip (2.5 mm) **ASPCT3**
- #4 Coupland Aspirator Tip (3 mm) **ASPCT4**

Coupland Aspirator Handle (16.8 cm)
Includes silicone tube adaptor.
ASPCH




Coupland Aspirator Tip with Side Holes (9.2 cm)

- #1 Coupland Aspirator with Holes (1.5 mm) **ASPCT1W**
- #2 Coupland Aspirator with Holes (2 mm) **ASPCT2W**
- #3 Coupland Aspirator with Holes (2.5 mm) **ASPCT3W**
- #4 Coupland Aspirator with Holes (3 mm) **ASPCT4W**




Frazier Aspirator (17.8 cm)
Frazier aspirators come with removable wire stylet used to clean out bone fragments from the tip. Includes finger tip hole to adjust aspiration.


- 6 (1.5 mm) **ASPFR6**
- 8 (2 mm) **ASPFR8**
- 10 (2.5 mm) **ASPFR10**
- 12 (3 mm) **ASPFR12**



Stylet for Frazier Aspirator w/Ball (21 cm)
PTFSB




Stylet for Frazier Aspirator (20.7 cm)
PTFS




Oral Surgery Aspirator (22.8 cm)
Includes silicone tube adaptor.


- 1 mm **ASPOS1**
- 2 mm **ASPOS2**
- 3 mm **ASPOS3**
- 4 mm **ASPOS4**



Suction Tube Pointius (14.3 cm)
Comes with removable wire stylet, includes silicone tube adaptor.
ASPON



Yankauer Tonsil Aspirator (30.5 cm)
Includes silicone tube adaptor.
ASPY




Aspirator Adaptor
To connect HuFriedyGroup aspirators with high-volume evacuation systems.
PTAA

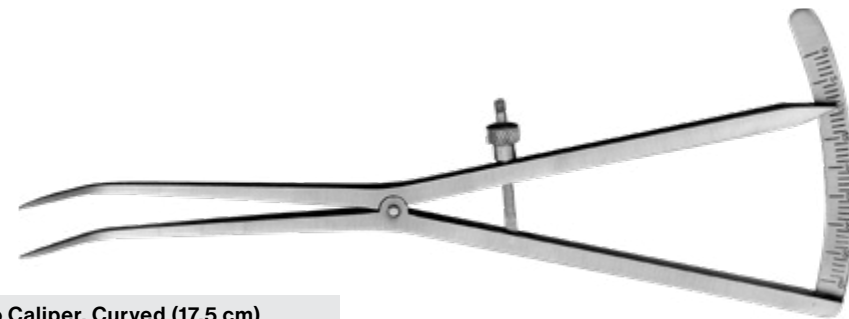
Silicone Replacement Tubing (2")
PTRTC

4ft Long Silicone Replacement Tubing
PTRTCL

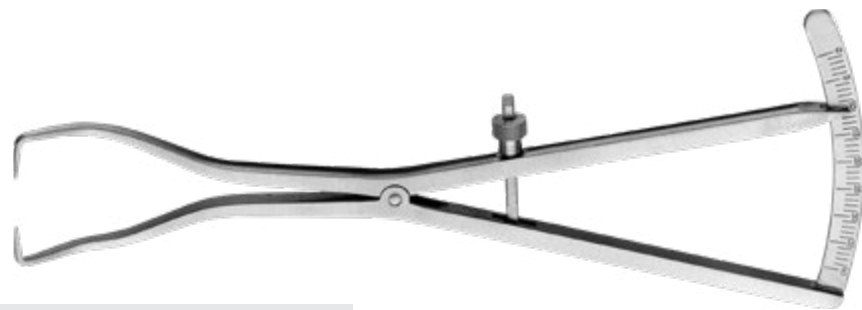
Calipers

Our selection of Calipers are used to measure bone or other oral structures.

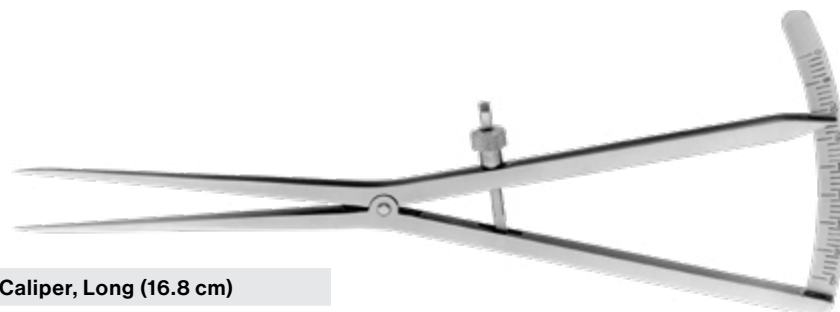
 Learn more about our [Calipers](#).



Castroviejo Caliper, Curved (17.5 cm)
Measures 0-40 mm [CLC40C](#)




Weiss Modified Bone Caliper, Curved (16.6 cm)
40 mm [CLC40CWM](#)



Castroviejo Caliper, Long (16.8 cm)
40 mm [CLC40L](#)

Chisels

Our bone chisels are meticulously handcrafted from the highest grade surgical stainless steel and engineered to provide optimal performance when reshaping and contouring bone or reflecting secondary palatal flaps.

 Learn more about our [Chisels](#).

Periodontal Bone Chisels



36/37 Back-Action DE Chisel
#9 [C36/379](#)
#6 [C36/376](#)

Best in Practice Fact
The Rhodes Back-Action Chisel is designed for use with a pull stroke. It is ideal for removing bone adjacent to the tooth without causing trauma and is especially useful on the distal of last molars.



1/2 Kramer-Nevis Chisel DE
#6 [CKN1/26](#)



TG DE Chisel
#6 [CTG6](#)
#2 [CTG](#)



Modified TG with Ochsenbein Cutouts
#6 [TG-O6](#)
#2 [TG-O](#)



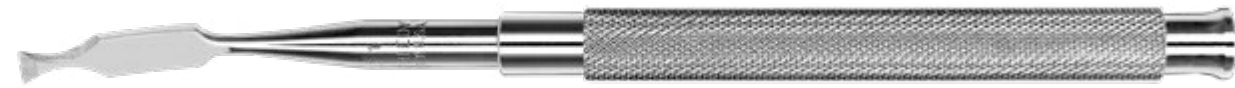
Urban Chisel
#6 [CURBAN1](#)



Urban Bone Chisel
#6 [CURBAN2](#)

Ochsenbein Chisels

Ochsenbein Chisels are 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



Och-1 Ochsenbein SE Chisel
#524 **CO1**



Och-2 Ochsenbein SE Chisel
#6 **CO26**
#524 **CO2**



Och-3 Ochsenbein DE Chisel
#6 **CO36**



Och-4 Ochsenbein DE Chisel
#6 **CO46**

Fedi Chisels

Fedi Chisels are used for incisions that remove or recontour soft tissue. Also useful to excise interproximal tissue.



1 Fedi DE Chisel
#6 **CPF16**



2 Fedi DE Chisel
#6 **CPF26**



3 Fedi DE Chisel
#6 **CPF36**



4 Fedi SE Chisel
#6 **CPF46**
#24 **CPF4**



3/4 Solt DE Chisel
#6 **CSOLT3/46**

Best in Practice Fact
Ochsenbein and Fedi Chisels are designed to make secondary sulcular incisions in flap procedures and facilitate removal of remaining fibers on teeth.



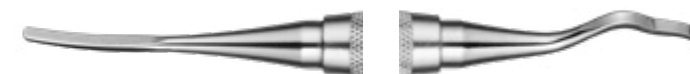
S13K/TG Jovanovic 4MM Chisel
4 mm / 4 mm
#6 **PJO/16**
#10 **PJO/1**



S13K/TG Jovanovic Chisel
5 mm / 5 mm
#6 **PJO/26**
#10 **PJO/2**



S13K/TG Jovanovic Chisel
6 mm / 6mm
#6 **PJO/36**
#10 **PJO/3**



Jovanovic Mini Periodontal Chisel
2 mm
#6 **PJO/2M6**



Jovanovic Mini Periodontal Chisel
3 mm
#6 **PJO/3M6**



PJO/1 & PJO/2 Combined 13KL Chisel
4 mm / 5 mm
Black Line **PPBUSER12X**
#10 **PPBUSER1/2**



PJO/1 & PJO/3 Combined 13KL Chisel
4 mm / 6 mm
Black Line **PPBUSER13X**
#6 **PPBUSE1/36**
#10 **PPBUSER1/3**



PJO/2 & PJO/3 Combined 13KL Chisel
5 mm / 6 mm
Black Line **PPBUSER23X**
#6 **PPBUSE2/36**
#10 **PPBUSER2/3**



13K/13KL DE Surgical Chisel
3.2 mm / 4.9 mm
Black Line **S13K/13KLX**
#9 **S13K/13KL9**
#6 **S13K/13KL6**
#2 **S13K/13KL**



13K/TG DE Curette/Chisel
3.3 mm / 3.2 mm
Black Line **S13K/TGX**
#9 **S13K/TG9**
#6 **S13K/TG6**
#6, Short **S13K/TGS6**
#2 **S13K/TG**



44/45 Remington DE Hoe Scaler
 #6 **S44/456**
 #2 **S44/45**



Chisel, Back Action
 Black Line **SPAL13KX**
 #6 **SPAL13K6**
 #6, Short **SPAL13KS6**

Bone Chisels • Single Bevel

Single bevel bone chisels are used for splitting teeth.



1 Chandler Bone Chisel
 5 mm
CC1



2 Chandler Bone Chisel
 5 mm
CC2



4 Chandler Bone Chisel
 5 mm
CC4



1 Gardner Bone Chisel
 3 mm
CG1



2 Gardner Bone Chisel
 4 mm
CG2



5 Gardner Bone Chisel
 4.3 mm
CG5



6 Gardner Bone Chisel
 4 mm
CG6



9 Gardner Bone Chisel
 4 mm
CG9

Bone Chisels • Bi-Bevel



Edentulous Ridge Chisel
 4.8 mm *Initiates splitting bone ridges. Used with light taps from a mallet until 6mm depth is reached.*
GF366



7 Chandler Bone Chisel
 4.7 mm
CC7



8 Chandler Bone Chisel
 6.1 mm
CC8



9 Chandler Bone Chisel
 7.1 mm
CC9



18 McFarland Bi-Bevel Chisel
 4.2 mm
CM18



3 Kramer-Nevins Bone Chisel
 7.5 mm *Sharp, mono-beveled long chisels are designed to widen the split bone.*
CKN3



55 Kramer-Nevins Bone Chisel
 5.5 mm
CKN55



Our 55 and 75 Kramer-Nevins Bone Chisels are sharp and long, designed for contiguous bone grafting procedures and for compacting bony walls after bone grafting. Also useful for removal of exostosis and tori.



75 Kramer-Nevins Bone Chisel
 7.5 mm
CKN75



1W Wakefield Bi-Bevel Chisel
 2.7 mm
CW1



2W Wakefield Bi-Bevel Chisel
 3 mm
CW2

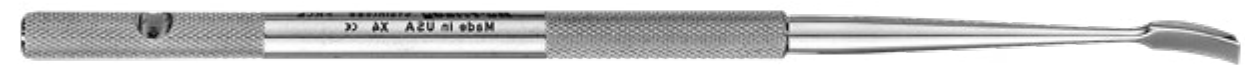
Bone Chisels • Gouge



13 Chandler Bone Chisel
 3.3 mm
CC13



15 Chandler Bone Chisel
 6 mm
CC15



Freer Curved Elevator
FRCE



Buser Chisel, Pointed Tip
 6 mm
CBFL112



Buser Chisel, Round Tip
 4 mm
CBFL214



The Pink Matters Crestal Bone Chisel is designed to elevate full thickness flap in the posterior area in preparation for implant placement.



PM Edge Crestal Bone Chisel, Short Smooth
PMEDGES




Tabanella Bone Chisel 1
#6 **TABANELLA3**



Tabanella Bone Chisel 2
#6 **TABANELLA4**

Surgical Currettes

Our portfolio of surgical currettes are engineered to effortlessly remove large calculus deposits and hard tissue during surgical and periodontal procedures.

 Learn more about our [Currettes](#).



84 Lucas DE Surgical Curette
Black Line **CL84X**
#6 **CL846**
#522 **CL84**



85 Lucas DE Surgical Curette
Black Line **CL85X**
#6 **CL856**
#522 **CL85**

86 Lucas DE Surgical Curette
Black Line **CL86X**
#6 **CL866**
#522 **CL86**



87 Lucas DE Surgical Curette
Black Line **CL87X**
#6 **CL876**
#522 **CL87**

88 Lucas DE Surgical Curette
Black Line **CL88X**
#6 **CL886**
#522 **CL88**



8 Miller DE Surgical Curette
#6 **CM86**
#522 **CM8**



9 Miller DE Surgical Curette
#6 **CM96**
#522 **CM9**



10 Miller DE Surgical Curette
#6 **CM106**
#522 **CM10**



11 Miller DE Surgical Curette
#6 **CM116**
#522 **CM11**

12 Miller DE Surgical Curette
#6 **CM126**
#6, Short **CM12S6**
#522 **CM12**



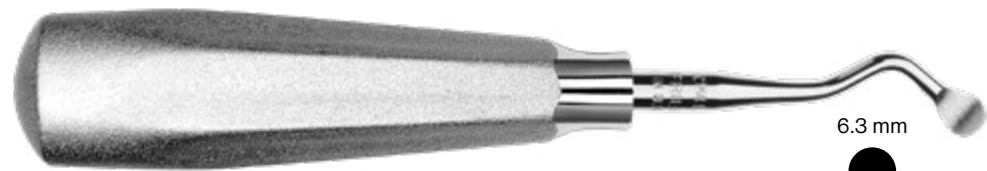
2 Molt SE Curette

#6 **CM26**
#502 **CM2**



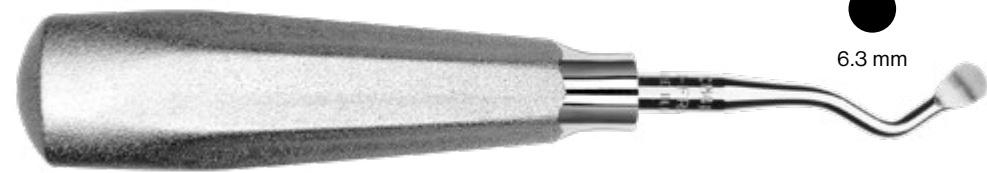
4 Molt SE Curette

#6 **CM46**
#502 **CM4**



4 Molt SE Curette, Left, Modified

#510 **CM4L**



4 Molt SE Curette, Right, Modified

#510 **CM4R**



5L Molt SE Curette

#502 **CM5L**



6R Molt SE Curette

#502 **CM6R**



2/4 Molt DE Curette

Black Line **CM2/4X**
#6, Short **CM2/4S6**
#522 **CM2/4**



1 Hoexter Surgical Curette

#6 **HOEXTER1**



2 Hoexter Surgical Curette

#6 **HOEXTER2**



3 Hoexter Surgical Curette

#6 **HOEXTER3**

• **Best in Practice Fact**
• Larger and heavier currettes used
• for the removal of granulation tissue
• often used to debride the alveolus,
• and can be used to carry bone
• grafting material.

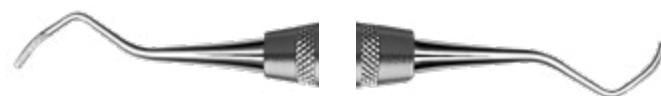
Perio Surgical Currettes



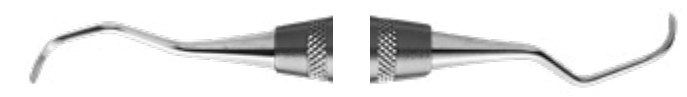
PM Prodigy Surgical Curette
Black Line, Short **PMPRODIGYS**



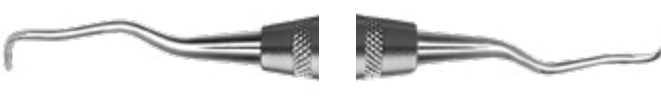
8K/9K Kirkland DE Curette
#6 **SK8/96**
#2 **SK8/9**



3/4 Kramer-Nevins DE Curette
#6 **SKN3/46**



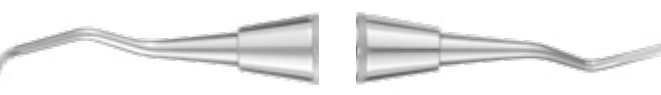
4 Kramer-Nevins DE Curette
#6 **SKN46**



KRA-1 Kramer DE Curette
#6 **SKRA16**



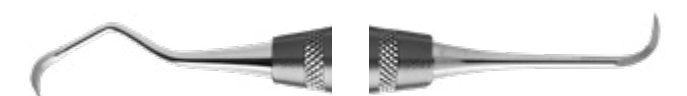
KRA-2 Kramer DE Curette
#6 **SKRA26**



KRA-3 Kramer DE Curette
#9 **SKRA39**
#6 **SKRA36**



PR1/2 Prichard DE Curette
#9 **SPR1/29**
#6 **SPR1/26**
#6, Short **SPR1/2S6**
#2 **SPR1/2**
#2, Short **SPR1/2S**



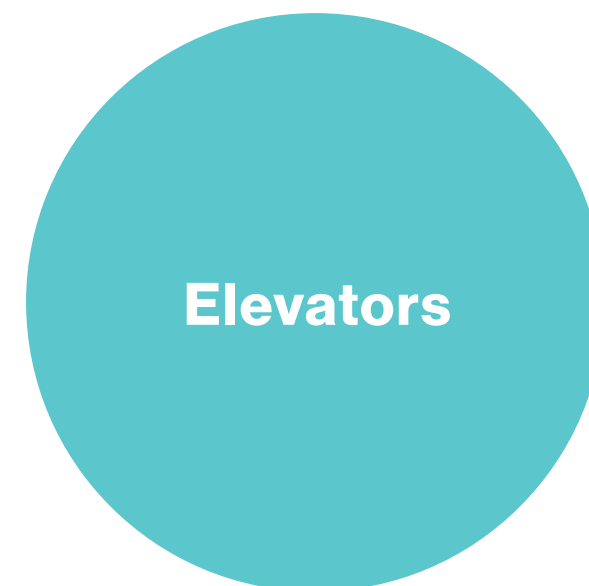
11/12 Sugarman DE Curette
#6 **SS11/126**
#2 **SS11/12**



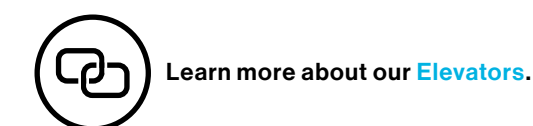
5S/6S Sugarman DE Curette
#6 **SS5/66**
#2 **SS5/6**



9S/10S Sugarman DE Curette
#6 **SS9/106**
#2 **SS9/10**

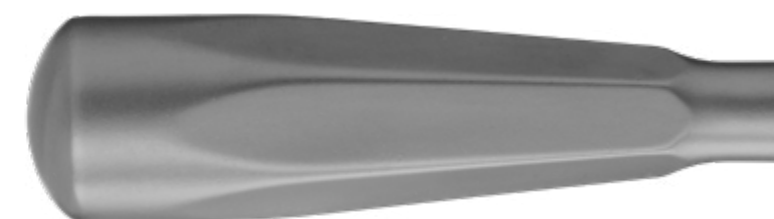


Handcrafted from Immunity Steel™ Alloy and heat treated to exacting specifications, our elevators are engineered with large diameter handles and permanently fixed working ends to optimize control and enhance strength.

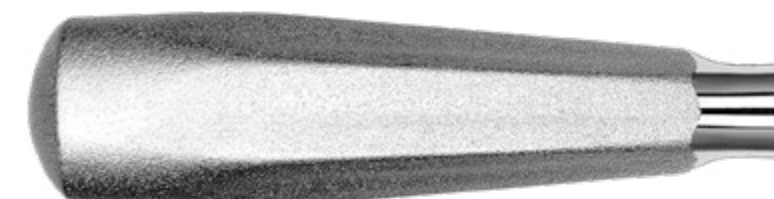


Elevator Handles

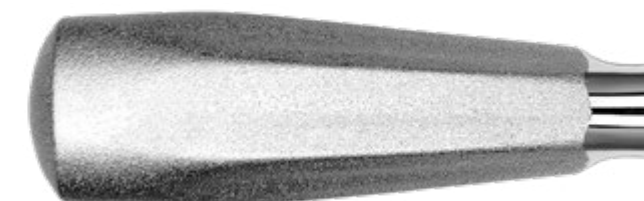
Black Line Elevator Handle*



Standard Elevator Handle



Small Elevator Handle



*Black Line Handle only available in Luxating Elevators.

Cryer Elevators



Mini Cryer Left Elevator
E21



Mini Cryer Right Elevator
E22



31 Cryer Elevator
Large
E31



32 Cryer Elevator
Large
E32



44 Cryer Elevator
Small
E44



45 Cryer Elevator
Small
E45



A30 Cryer Elevator
EA30



A31 Cryer Elevator
EA31



25 Cryer Elevator
Medium
E25



26 Cryer Elevator
Medium
E26

Coupland Gouge Elevators



1C Coupland (Gouge) Elevator
E1C



2C Coupland (Gouge) Elevator
Lower 3rd molars
E2C



3C Coupland (Gouge) Elevator
Lower 3rd molars
E3C

Coupland Gouge Elevators - English Patterns



A1C Coupland Elevator (Gouge)
EA1C



A2C Coupland Elevator (Gouge)
EA2C



#A3C Coupland Elevator (Gouge)
EA3C

Heidbrink Elevators

For upper and lower anterior teeth and roots



1 Heidbrink Straight Elevator
E1



2 Heidbrink Straight Elevator
E2

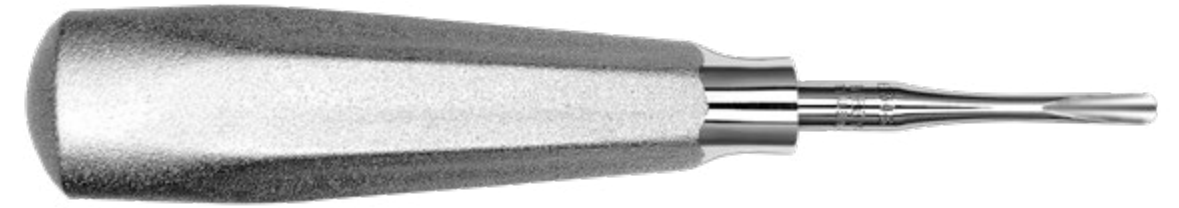


40 Heidbrink Straight Elevator
E40



41 Heidbrink Straight Elevator
E41

Seldin Elevators



34S Seldin Straight Elevator

Thinner tip and more narrow than 34 shank

Standard **E34S**

Small Handle **E34SSM**

Serrated **E34SSERR**



2 Seldin Elevator
Lower 3rd molars
E2S



1L Seldin Elevator
Upper and lower molar roots
E1L



1R Seldin Elevator
Upper and lower molar roots
E1R



3 Seldin Elevator
Upper and lower anterior roots
E3S



4L Seldin Elevator
Smaller version of E1L
E4L



4R Seldin Elevator
Smaller version of E1R
E4R



34 Seldin Straight Elevator
Upper and lower anterior roots
E34



301W Seldin Elevator
For displacement of deeply seated roots
E301W



304W Seldin Elevator
For displacement of deeply seated roots
E304W

Apexo Elevators

For displacement of deeply seated roots



301 Apexo Elevator

Standard **E301**

Serrated **E301SERR**

Small Handle **E301SM**



302 Apexo Elevator
E302



303 Apexo Elevator
E303



4 Schmeckebier Apexo Elevator
E4



5 Schmeckebier
Apexo Elevator
E5



71 Miller Apexo Elevator
E71



72 Miller
Apexo Elevator
E72



73 Miller Apexo Elevator
E73



74 Miller Apexo Elevator
E74

Additional Elevators

6 Potts Elevator
For impacted 3rd molars without bony obstruction
E6

7 Potts Elevator
For impacted 3rd molars without bony obstruction
E7

8 Crane Pick Elevator
E8

11 Stout Elevator
3rd molars
E11

11A Stout Elevator
3rd molars
E11A

11M MacMillan Elevator
E11M

12M MacMillan Elevator
E12M

13M MacMillan Elevator
E13M

15 Woodward Elevator
Lower molar roots
E15

16 Woodward Elevator
Lower molar roots
E16

19 Root Elevator
Shorter leverage for lower 1st and 2nd molar roots
E19

20 Root Elevator
Shorter leverage for lower 1st and 2nd molar roots
E20

23 Elevator
Shorter leverage for lower 1st and 2nd molar roots
E23

31 Friedman (Craig) Elevator
For upper and lower cuspids
E31F

32 Friedman (Craig) Elevator
For upper and lower cuspids
E32F

38 Elevator, Serrated
For removal of root fragments
E38

39 Elevator, Serrated
For removal of root fragments
E39

44C Bradley Elevator
For displacement of roots and 3rd molars
E44C

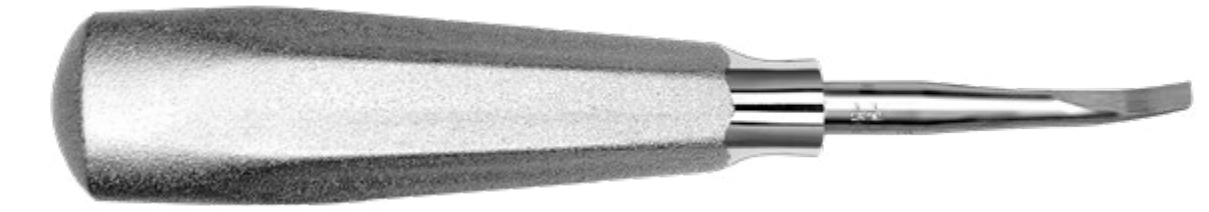
46 Elevator
Upper posterior roots
E46

46R Elevator
Upper posterior roots
E46R

51 Curtis Elevator
E51

52 Curtis Elevator
E52

E63 Elevator
E63



69W Woodward Chisel Elevator
E69W

77 Elevator, Serrated
For impacted 3rd molars without bony obstruction
E77

77R Elevator, Serrated
Standard **E77R**
Small Handle **E77RSM**

80 Elevator
E80

81A Elevator
For displacement of anterior roots
E81A

81E Elevator
For displacement of anterior roots
E81E

92 Elevator, Serrated
E92

93 Elevator, Serrated
E93

81 Elevator
Upper anterior roots and small teeth
E81

190 Elevator
E190

191 Elevator
E191

5 Hourigan Elevator
EH5

6 Hourigan Elevator
EH6

98 Elevator
Upper and lower 3rd molars
E98

A Cogswell Elevator
EA

B Cogswell Elevator
Standard **EB**
Small Handle **EBSM**



Warwick-James Elevator-Straight
#504
EWJS

Warwick-James Elevator-Left
#504
EWJL

Warwick-James Elevator-Right
#504
EWJR

T-Bar Handle Elevators

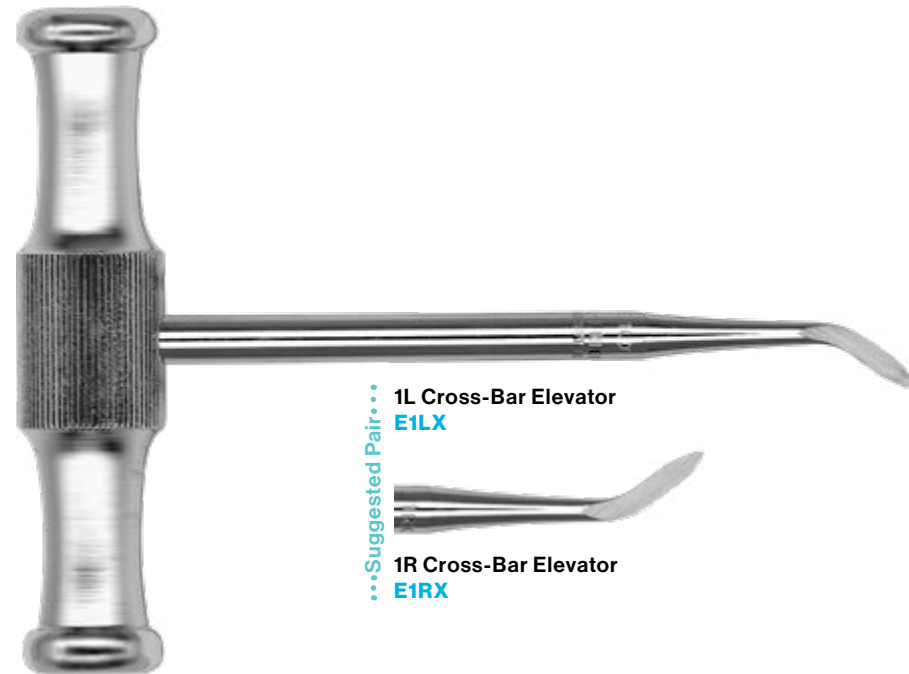


6X Potts T-Bar Elevator
For impacted 3rd molars without bony obstruction
E6X



#7X Potts T-Bar Elevator
For impacted 3rd molars without bony obstruction
E7X

Winter Cross-Bar Handle Elevators



1L Cross-Bar Elevator
E1LX



1R Cross-Bar Elevator
E1RX



11L Cross-Bar Elevator
E11LX



11R Cross-Bar Elevator
E11RX



12L Cross-Bar Elevator
E12LX



12R Cross-Bar Elevator
E12RX



14L Cross-Bar Elevator
E14LX



14R Cross-Bar Elevator
E14RX

Hoexter Elevators



Hoexter Mesial Luxating Elevator, Left
3 mm
EMLL3



Hoexter Mesial Luxating Elevator, Left
5 mm
EMLL5



Hoexter Mesial Luxating Elevator, Right
3 mm
EMLR3



Hoexter Mesial Luxating Elevator, Right
5 mm
EMLR5



Hoexter Distal Luxating Elevator, Left
3 mm
EDLL3



Hoexter Distal Luxating Elevator, Left
5 mm
EDLL5



Hoexter Distal Luxating Elevator, Right
3 mm
EDLR3



Hoexter Distal Luxating Elevator, Right
5 mm
EDLR5

Hoexter Kit	HOEXTERKIT
Hoexter Mesial Luxating Elevator, Left	EMLL3
Hoexter Distal Luxating Elevator, Left	EDLL3
Hoexter Mesial Luxating Elevator, Right	EMLR3
Hoexter Distal Luxating Elevator, Right	EDLR3
Hoexter Mesial Luxating Elevator, Left	EMLL5
Hoexter Distal Luxating Elevator, Left	EDLL5
Hoexter Mesial Luxating Elevator, Right	EMLR5
Hoexter Distal Luxating Elevator, Right	EDLR5
Ceramic, Cylindrical Sharpening Stone	SSKC
Hoexter Elevator, 8 Instrument Cassette	IM5080EKIT



Design Rationale:



Throughout history dentists have been taught to extract teeth in the easiest direction — towards the thinnest, supportive buccal bone. However, this technique leads to ischemic or traumatic bone loss of buccal bone resulting in cavernous buccal depressions that will not adequately support an implant. Based on personal experience, if a mesial/distal approach is used, the buccal and lingual bone is preserved and bone regeneration occurs. This enables successful implant positioning and predictable osseointegration. This is why the Hoexter Mesial/Distal Luxating Elevators are designed to protect the osseous ridge in tooth extractions by luxating roots in the mesio-distal plane.

—Dr. David Hoexter



Slim Luxating Elevators

Slim Luxating Elevators are 13-20% thinner than standard luxating elevators. They are used to sever periodontal ligaments and used in a rocking motion vs standard elevators which are used in a lifting motion. Short elevators are 10.16mm shorter than long elevators.



Slim Luxating Elevator, Long Curved 2 mm	
Black Line	ELSLIM2CLX
Standard	ELSLIM2CL



Slim Luxating Elevator, Short Curved 2 mm	
Black Line	ELSLIM2CSX
Standard	ELSLIM2CS



Slim Luxating Elevator, Short Straight 2 mm	
Black Line	ELSLIM2SSX
Standard	ELSLIM2SS



Slim Luxating Elevator, Short Curved 3 mm	
Black Line	ELSLIM3CSX
Standard	ELSLIM3CS



Slim Luxating Elevator, Short Straight 3 mm	
Black Line	ELSLIM3SX
Standard	ELSLIM3SS



Slim Luxating Elevator, Long Straight 2 mm	
Black Line	ELSLIM2SLX
Standard	ELSLIM2SL



Slim Luxating Elevator, Long Curved 3 mm	
Black Line	ELSLIM3CLX
Standard	ELSLIM3CL



Slim Luxating Elevator, Long Straight 3 mm	
Black Line	ELSLIM3SLX
Standard	ELSLIM3SL

Standard Luxating Elevators

Luxating elevators have thin, sharp blades that are used to sever periodontal ligaments and used in a rocking motion vs standard elevators which are used in a lifting motion. Luxating elevators reduce putting pressure on adjacent teeth.



Luxating Elevator, Curved 2 mm	
Black Line	EL2CX
Standard	EL2C
Small Handle	EL2CSM



Luxating Elevator, Straight 2 mm	
Black Line	EL2SX
Standard	EL2S
Small Handle	EL2SSM



Luxating Elevator, Straight 3 mm	
Black Line	EL3SX
Standard	EL3S
Small Handle	EL3SSM



Luxating Elevator, Straight 4 mm	
Black Line	EL4SX
Standard	EL4S
Small Handle	EL4SSM



Luxating Elevator, Curved 5 mm	
Black Line	EL5SX
#510	EL5S
Small	EL5SSM



Luxating Elevator, Curved 3 mm	
Black Line	EL3CX
Standard	EL3C
Small Handle	EL3CSM



Luxating Elevator, Curved 4 mm	
Black Line	EL4CX
Standard	EL4C
Small Handle	EL4CSM



Luxating Elevator, Curved 5 mm	
Black Line	EL5CX
Standard	EL5C
Small Handle	EL5CSM

Download [Slim Luxating Elevators Info Sheet](#).

Refer to [page 13](#) for a detailed listing of the [Luxating Elevator Kit](#).

Luxating Hybrid Elevators

Designed with thin, precisely angled tips and a large diameter handle, the Luxating Hybrids provide improved apical and interproximal access for enhanced oral adaption, aiding in the preservation of the buccal plate by severing the periodontal ligaments during atraumatic extractions.



Luxating Hybrid Elevator, Straight Spade
Black Line **EPTSSPX**
#6 **EPTSSP**



Luxating Hybrid Elevator, Small Straight
Black Line **EPTSMSX**
#6 **EPTSMS**



Luxating Hybrid Elevator, Small Curved
Black Line **EPTSMCX**
#6 **EPTSMC**



Luxating Hybrid Elevator, Large Distal
Black Line **EPTLGDX**
#6 **EPTLGD**



Luxating Hybrid Elevator, Large Mesial
Black Line **EPTLGMX**
#6 **EPTLGM**



Luxating Hybrid Elevator, Small Distal
Black Line **EPTSMDX**
#6 **EPTSMD**



Luxating Hybrid Elevator, Small Mesial
Black Line **EPTSMMX**
#6 **EPTSMM**



Ceramic Sharpening Stone for Luxating Elevators, Medium Grit
Black Line **SSLUX**

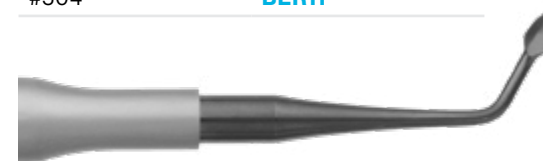
Refer to page 12 for a detailed listing of the Luxating Hybrid Elevator Kit, Black Line (EPTKITX) and Luxating Hybrid Elevator Kit (EPTKIT).

Syndesmotomes

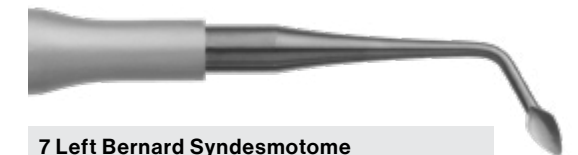
Bernard elevators, also referred to as syndesmotomes, can be used as a periosteal elevator or to elevate small roots.



11 Straight Bernard Syndesmotome
Black Line **BER11X**
#504 **BER11**



6 Right Bernard Syndesmotome
Black Line **BER6X**
#504 **BER6**



7 Left Bernard Syndesmotome
Black Line **BER7X**
#504 **BER7**



45 Miller Bone File
Same design as the 2X Cross-Cut but with Straight-Cut.

#6	BF456
#522	BF45



52 Miller Bone File

#6	BF526
#522	BF52



64 Miller Bone File

#6	BF646
#522	BF64

67 Howard Bone File

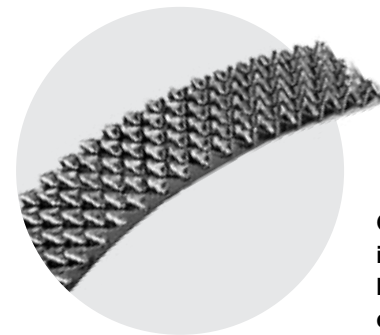
#6	BF676
#522	BF67

Cross-Cut Bone Files



1X Miller-Colburn Bone File
Small paddle-shaped end is half the size of the larger paddle-shaped end.

#6	BF1X6
#522	BF1X



Cross-Cut files increase efficiency by cutting in two directions.



2X Miller-Colburn Bone File
Curved working end combined with a straight working end.

#6	BF2X6
#522	BF2X



3X Miller-Colburn Bone File
Curved working end combined with a small paddle-shaped working end.

#6	BF3X6
#522	BF3X

Periodontal Files

Used interproximally, our Periodontal Bone Files provide efficiency for both push and pull applications.



11/12 Buck DE File

#6	FB11/126
#522	FB11/12



1S/2S Sugarman File, Mesial/Distal

#6	FS1/2S6
#2	FS1/2S



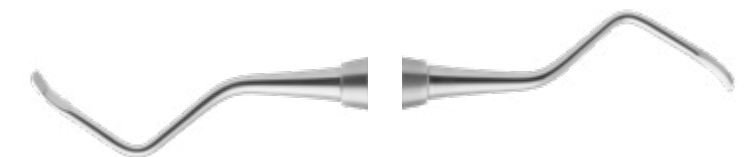
3S/4S Sugarman File, Buccal/Lingual
For removal of granulomatous tissue in supra-bony and infra-bony pockets.

#6	FS3/4S6
#2	FS3/4S



#9/10 Schluger, Curved

#6	FS9/10S6
#522	FS9/10S




Tabanella Universal Bone File

	TABANELLA2
--	-------------------

Forceps

We offer an extensive array of forceps for any form of extraction. From Apical to Atraumair and our newest line of Atlas Forceps which feature an internal spring hinge for enhanced performance, comfort, and control, our forceps will help you be the Best in Practice.

 Learn more about our [Forceps](#).

Diamond Dusted Forceps

Our Diamond Dusted Forceps feature a fine diamond coating which increases resistance between the forceps and tooth surface providing enhanced engagement. Diamond Dusted Forceps are available in an array of patterns which allows for full-mouth coverage.



13 Diamond Dusted Forceps
Lower Premolars
F13XSD



21 Diamond Dusted Forceps
Lower 1st and 2nd Molars
F21XSD



36 Diamond Dusted Forceps
Lower Incisors
F36XSD



36 Diamond Dusted Apical Forceps
Lower Premolars and Incisors
FAF36XSD



1 Diamond Dusted Forceps
Upper Incisors
FX1SD



45 Diamond Dusted Root Forceps
Lower Roots, Serrated
FX45XSD



67 Diamond Dusted Apical Forceps
1st and 2nd Lower Molars
F67XSD



Best in Practice Fact
A light diamond coating bonded to longitudinal beak serrations increases grip by 20% compared to traditional forceps.*



1 Diamond Dusted Apical Forceps
Upper Incisors
FAF1XSD



35 Diamond Dusted Forceps
Upper Canines and Premolars
F35XSD



35 Diamond Dusted Apical Forceps
Upper Canines and Premolars
FAF35XSD



73 Diamond Dusted Forceps
Lower Molars
FX73XSD




79 Diamond Dusted Forceps
Lower Molars
FX79XSD



44 Diamond Dusted Root Forceps
Upper Roots
FX44XSD



51 Diamond Dusted Root Forceps
Upper Roots
FX51XSD

 Learn more about our [Diamond Dusted Forceps](#).

*Data on file compared to standard Hu-Friedy Forceps.

Atlas Forceps

Atlas forceps, which are engineered with an internal spring hinge, provide performance, comfort and control while reducing manipulation of the forceps at the surgical site.



150 Atlas Forceps
Upper Universal
F150IS



151 Atlas Forceps
Lower Universal
F151IS



1 Atlas Forceps
Upper Anterior
F1IS



222 Atlas Forceps
Lower Molars
F222IS



23 Atlas Forceps
Cowhorn
F23IS



53L Atlas Forceps
Upper Molar
F53LIS



53R Atlas Forceps
Upper Molar, Right
F53RIS



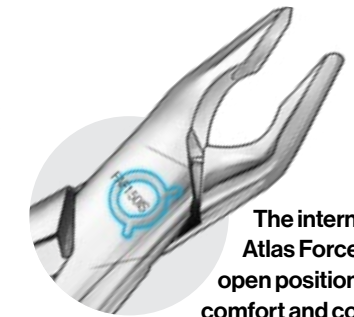
Watch our [Atlas Forceps](#) in use.



69 Tomes Atlas Forceps
Upper/Lower Roots
F69IS



88L Nevius Atlas Forceps
Upper Molar, Right
F88LIS



The internal springs in Atlas Forceps maintain open position, enhancing comfort and control.



88R Nevius Atlas Forceps
Upper Molar, Right
F88RIS



150 Atlas Forceps
Upper Universal, Apical
FAF150IS



151 Atlas Forceps
Lower Universal, Apical
FAF151IS



1 Atlas Forceps
Upper Anterior, Apical
FAF1IS



222 Atlas Forceps
Lower Molars, Apical
FAF222IS



Learn more about [Atlas Forceps](#).

Apical Forceps

Our forged Apical Forceps feature thin, anatomical tapered beaks and longitudinal serrations to penetrate the surrounding bone and firmly grasp the root and crown structure with multiple points of contact, reducing the chance of crushing or fracturing the crown. Clinicians therefore are able to preserve the bone and reduce the risk of root and buccal plate fractures, enhancing clinical outcomes.



Apical Forceps 1
Upper Anterior
FAF1





Apical Forceps 150
Upper Universal
FAF150



Apical Forceps 151
Lower Universal
FAF151



Apical Forceps 222
Lower Molars
FAF222



Apical Forceps X67A
Upper Molars
FAFX67A



Apical Forceps X74N
Lower Anteriors
FAFX74N



Learn more about our [Apical Forceps](#).

Atraumair Forceps

Our Atraumair Forceps are designed for optimal access and enhanced crown and root engagement. Each of the 13 uniquely patterned forceps feature a *Matte Finish* for reduced light reflection. Unique hole designs help reduce the weight of the forceps and provide increased comfort and control. Atraumair forceps offer improved access for a variety of extraction cases through enhanced beak geometries.



13 Atraumair Forceps
Lower Premolars
F13XS



1 Atraumair Standard Forceps
Upper Incisors
F1XS



21 Atraumair Forceps
1st and 2nd Lower Molars
F21XS



23 Atraumair Forceps
Cowhorn, Lower Molars
F23XS



35 Atraumair Forceps
Upper Can/Premolar
F35XS



36 Atraumair Forceps
Lower Incisors
F36XS



67 Atraumair Forceps
Upper Molars
F67XS



1 Atraumair Apical Forceps
Upper Incisors
FAF1XS



35 Atraumair Apical Forceps
Upper Can/Premolar
FAF35XS



36 Atraumair Apical Forceps
Lower Premolars/Incisors
FAF36XS



44 Atraumair Forceps
Universal, Upper Root
FX44XS



45 Atraumair Forceps, Serrated
Lower Root
FX45XS



51 Atraumair Forceps, Serrated
Upper Root
FX51XS



73 Atraumair Forceps
Lower Molars
FX73XS



79 Atraumair Forceps
Lower Molars
FX79XS



Learn more about [Atraumair Forceps](#).

Lower Anteriors and Premolars

★ **151A Cryer Forceps**
Lower Incisors, Canines,
Premolars & Roots; Universal
F151A



★ **151AS Split Beak Forceps, Serrated**
Lower Incisors, Canines, Premolars &
Roots; Universal
F151AS



★ **203 Forceps**
Lower Incisors, Canines, Premolars &
Roots; Universal
F203



★ **MD-3 Mead Forceps, Serrated**
Lower Incisors & Roots
FMD3



13 European Style Forceps
Lower Premolars

Standard	FX13E
Serrated	FX13

Lower Molars

★ **16 Forceps**
1st & 2nd Lower Molars

Straight Handle	F16M
Standard	F16



★ **17 Forceps**
1st & 2nd Lower Molars
F17



★ **217 Hu-Friedy Forceps**
1st & 2nd Lower Molars, Beaks
identical to #17
F217



★ **222 Forceps**
3rd Lower Molars
F222



★ **23 Forceps**
1st & 2nd Lower Molars
F23



★ **3FS Woodward Forceps**
Lower Molars
F3FS



★ **MD-4 Mead Forceps, Serrated**
Lower 1st, 2nd, & 3rd Molars
FMD4



★ **22 European Style Forceps**
Lower Molars
Standard
Matte Finish
FX22
FX22E



★ **73 European Style Forceps, Serrated**
Lower Molars
FX73



★ **79 European Style Forceps, Serrated**
Lower 3rd Molars
Standard
Matte Finish
FX79
FX79E



Lower Universal

★ **#151 Cryer Forceps**
Lower Incisors, Canines, Premolars
& Roots; Universal
F151



★ = **Presidential® Forceps** are superbly constructed from forged stainless steel, meticulously crafted and finished with a precision hinge. All HuFriedyGroup Presidential Forceps carry a lifetime warranty against defects in material and workmanship.

Upper Molars



★ 10S Forceps
Upper Molars
F10S



★ 18L Harris Forceps
1st & 2nd Upper Molars; left. Pointed beak for engaging bifurcated buccal root. Unique "palm up" handle design for use when standing behind the patient.
F18L



★ 53L Forceps
1st & 2nd Upper Molars; left. Pointed beak for engaging bifurcated buccal root.
F53L



★ 210H Forceps
3rd Upper Molars
F210H



★ 18R Harris Forceps
1st & 2nd Upper Molars; right. Pointed beak for engaging bifurcated buccal root.
F18R



★ 53R Forceps
1st & 2nd Upper Molars; right. Pointed beak for engaging bifurcated buccal root.
F53R



★ 210S Forceps
3rd Upper Molars
F210S



★ 89 Cook Forceps
Upper Molars; right.
F89



★ 88L Nevius Forceps
1st & 2nd Upper Molars. Split beak for engaging palatal root.
F88L



★ MD-2 Mead Forceps, Serrated
Upper 1st, 2nd, & 3rd Molars, Universal
FMD2



★ 90 Cook Forceps
Upper Molars; left.
F90



★ 88R Nevius Forceps
1st & 2nd Upper Molars. Split beak for engaging palatal root.
F88R



★ 67A European Style Forceps, Serrated
Upper 3rd Molars
FX67A



★ 18 European Style Forceps, Serrated
Upper Molars; left.
Standard FX18
Matte Finish FX18E



★ 17 European Style Forceps
Upper Molars; right.
Standard FX17
Matte Finish FX17E

Suggested Pair

Suggested Pair

Suggested Pair

Suggested Pair

Suggested Pair

Upper and Lower Anteriors



★ 101 Hull Forceps
Upper & Lower Premolars, and Deciduous; Universal
F101



★ 62 Forceps
Upper & Lower Incisors, Canines, Premolars, and Deciduous; Universal
F62

Upper Anteriors and Premolars



★ 1 Standard Forceps
Standard Upper Incisors & Canines
F1



★ 150 Cryer Forceps
Upper Incisors, Canines, Premolars, & Roots; Universal
F150



★ 150A Cryer Forceps
Upper Incisors, Canines & Premolars; Universal
F150A



★ 150AS Split Beak Forceps, Serrated
Upper Incisors, Canines & Premolars; Universal
F150AS



★ 286 Forceps
Upper Roots, Incisors, Premolars
F286



★ 32 Parmly Alveolar Forceps
Upper Canines, Premolars & Molars; Universal. Sharp edged beaks for breaking the alveolar process and trimming it after extraction.
F32



★ 32A Parmly Forceps
Same as No. 32, but with more slender beaks.
F32A



★ 99C Kells Forceps
Upper Incisors, Canines & Premolars
F99C



★ MD-1 Mead Forceps, Serrated
Upper Incisors, Canines, Premolars & Roots
FMD1



★ 1 European Style Forceps
Upper Anteriors
Standard FX1
Matte Finish FX1E

★ Presidential® Forceps are superbly constructed from forged stainless steel, meticulously crafted and finished with a precision hinge. All HuFriedyGroup Presidential Forceps carry a lifetime warranty against defects in material and workmanship.

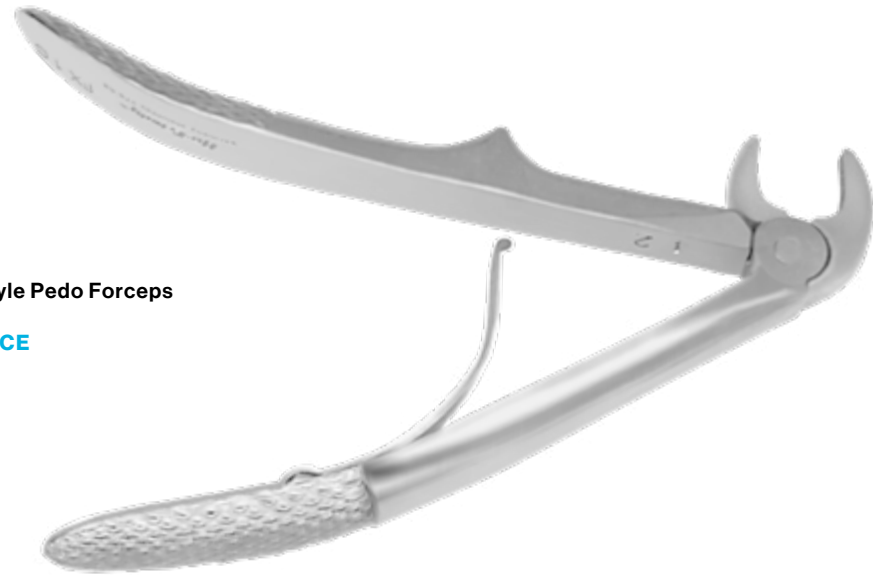


35 European Style Forceps
Upper Incisors, Canines,
Premolars & Roots
Matte Finish **FX35E**



7 European Style Forceps
Upper Premolars
Standard **FX7**
Matte Finish **FX7E**

European Kinder Style Pedo Forceps



1C European Kinder Style Pedo Forceps
Lower Incisors
Matte Finish **FX1CE**



2C European Kinder Style Pedo Forceps
Lower Primary Molars
Matte Finish **FX2CE**



3C European Kinder Style Pedo Forceps
Lower Roots
Matte Finish **FX3CE**



4C European Kinder Style Pedo Forceps
Upper Primary Molars
Matte Finish **FX4CE**



5C European Kinder Style Pedo Forceps
Upper Incisors & Canines
Matte Finish **FX5CE**



6C European Kinder Style Pedo Forceps
Upper Molars
Matte Finish **FX6CE**



7C European Kinder Style Pedo Forceps
Upper Roots
Matte Finish **FX7CE**

Kinder Pedo Forceps

Our Kinder Pediatric Forceps fit easily and comfortably in your hand while being hidden and less visible to patients. Created for small, shallow crowns and conical shaped teeth, the Kinder design requires less force, reducing the risk of tissue damage and broken crowns.



150K Small Pedo Forceps
Upper Primary Incisors & Roots
F150K



151K Small Pedo Forceps
Lower Primary Incisors & Roots
F151K



23K Cowhorn Small Pedo Forceps
Lower Primary Molars
F23K

Presidential™ Pedo Forceps


Similar to the Standard Pediatric Series, our Presidential™ Forceps are meticulously crafted and finished with a precision hinge.



★ 150S Presidential™ Pedo Forceps
Upper Primary Teeth & Roots; Universal
F150S



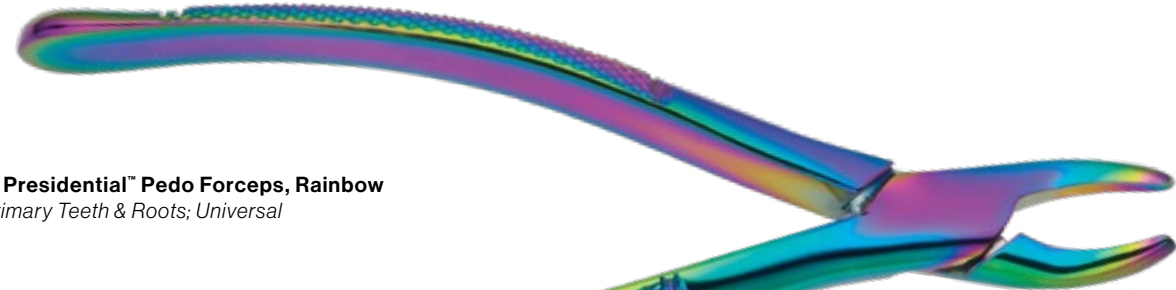
★ 151S Presidential™ Pedo Forceps
Lower Primary Teeth & Roots; Universal
F151S

 Learn more about our **Pedo Forceps.**

★ = Presidential® Forceps are superbly constructed from forged stainless steel, meticulously crafted and finished with a precision hinge. All HuFriedyGroup Presidential Forceps carry a lifetime warranty against defects in material and workmanship.

Rainbow Presidential™ Pedo Forceps

Our Rainbow Presidential™ Pediatric Forceps feature a unique array of vibrant, rainbow colors to reduce child anxiety and create a more positive patient experience.



★ **F150SR Presidential™ Pedo Forceps, Rainbow**
Upper Primary Teeth & Roots; Universal
F150SR



★ **F151SR Presidential™ Pedo Forceps, Rainbow**
Lower Primary Teeth & Roots; Universal
F151SR

Standard Pedo Forceps

The precise, anatomical design of our Pediatric Forceps assure a firm, accurate grasp of primary tooth and root surfaces for smooth, seamless extractions reducing the risk of complications. Hand-crafted from surgical-grade stainless steel, our Pediatric Forceps ensure superior performance and longevity.



150XAS Split Beak Pedo Forceps, Serrated
Upper Primary; Universal
F150XAS



151XAS Split Beak Pedo Forceps, Serrated
Lower Primary; Universal
F151XAS



16S Pedo Forceps
Lower Molars
F16S



1S Pedo Forceps
Standard Upper Incisors & Canines
F1S

★ Presidential® Forceps are superbly constructed from forged stainless steel, meticulously crafted and finished with a precision hinge. All HuFriedyGroup Presidential Forceps carry a lifetime warranty against defects in material and workmanship.



23S Cowhorn Pedo Forceps
1st & 2nd Lower Molars
F23S



39 Pedo Forceps
1st & 2nd Lower Molars
F39



40 Pedo Forceps
Lower Primary Molars
F40

Root Forceps



300 Root Forceps, Serrated
Upper Roots
F300



301 Root Forceps, Serrated
Lower Roots
F301



★ **65 Root Forceps**
Upper Roots, Fragments & Overlapping Incisors
F65



★ **69 Tomes Root Forceps**
Upper & Lower Fragments & Roots
F69



233 Root Forceps, Serrated
Lower Roots
FX233



33 European Style Root Forceps, Serrated
Lower Roots
FX33



46L Root Forceps, Serrated
Lower Roots
Standard **FX46L**
Matte Finish **FX46LE**



49 Root Forceps, Serrated
Upper Roots
Standard **FX49**
Matte Finish **FX49E**



51 European Style Root Forceps, Serrated
Upper Roots
Standard **FX51**
Matte Finish **FX51E**



Learn more about our [Root Forceps](#).



74 European Style Root Forceps, Serrated
Lower Roots
FX74



74N European Style Root Forceps, Serrated
Lower Roots
FX74N



76S Upper Root Forceps, Serrated
FX76S



97 Root Forceps, Serrated
Upper Roots
Standard **FX97**
Matte Finish **FX97E**

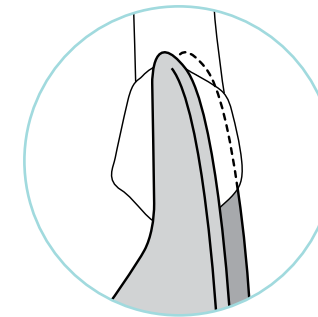


233 Forceps, Serrated
Lower Roots
Standard **FX233**
Matte Finish **FX233E**

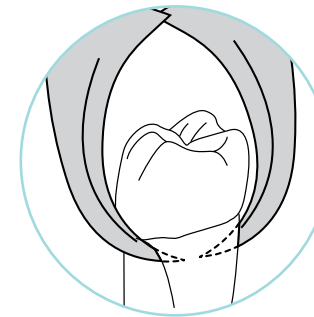
Extraction Forceps Reference

Forceps Beaks

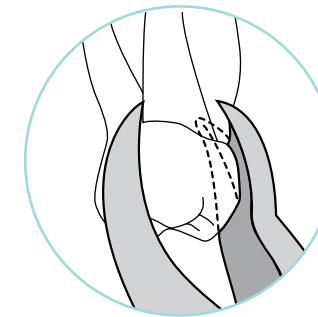
The beaks of extraction forceps are anatomically designed to adapt to the tooth at or below the cervical line. Therefore, beaks are either conical, bifurcated, or trifurcated in order to adapt to the tooth or furcations. Many beaks are serrated, which offers additional grasp when extracting teeth.



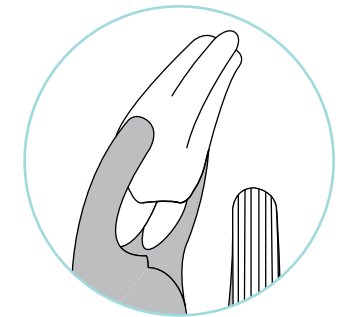
Conical



Bifurcated



Trifurcated



Serrated

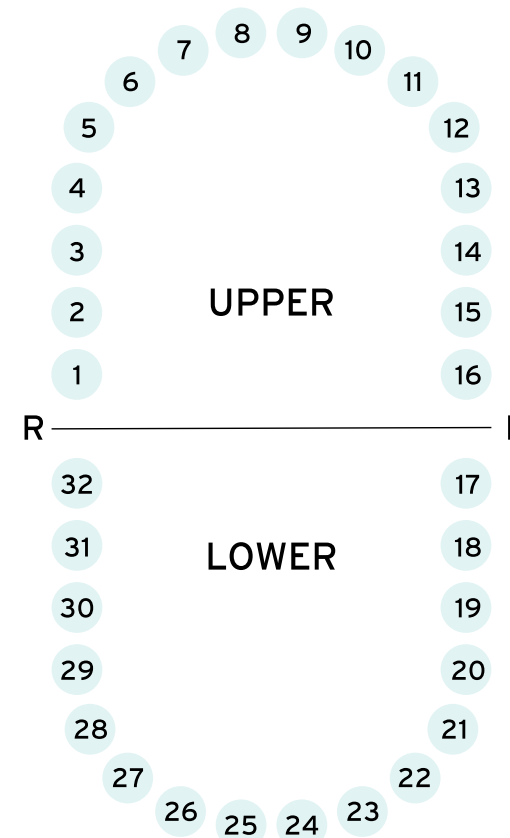
Care of HuFriedyGroup Forceps

To maintain proper function and appearance, the following points should be adhered to:

- Clean and sterilize in an open position.
- Clean and thoroughly dry forceps before wrapping for sterilization.

Important

- Lubricate with Instrument Lubricant after cleaning and before sterilization to ensure smooth working action.
- Use ShineRenew wipes to correct hard-to-operate forceps. Rust spots or sediment can be wiped off, as they do not penetrate the surface.
- Do not allow forceps to remain in water or steam moisture for long periods.
- Keep forceps away from strong mineral acids and fumes.



Find Your Forceps

Unsure of which Forceps to use? Use our Find Your Forceps online tool to easily determine which Forceps are used on any given tooth.



Find Your Optimal Extraction Forceps.



Gauze Packers

Our Gauze Packer is a stainless steel instrument used to pack gauze at the surgical site.



Gauze Packer

#6	GPHF6
#2	GPHF

Grafting Instruments

Grafting Instruments are meticulously handcrafted with consistent and precise dimensions using the finest grade stainless steel, ensuring easy transport and condensation of graft material at the surgical site.



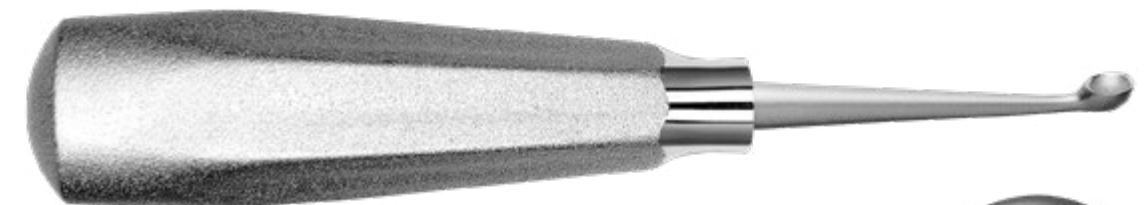
Learn more about our [Grafting Instruments](#).



Allen Membrane Measurement Card
ALLENCARD



Immunity Steel™ Cup
MCUPE



Dr. Jovanovic Bone Scoop
5 mm **BSJ05**



Cortical Bone Block Clamp
CBBC



Labanca Bone Curette
7 mm
#6 **CSLABANCA6**



Palti Bone Graft Scoop
Black Line **IMP6522X**
#6 **IMP65226**
#10 **IMP6522**

Palti Sinus Lift Instrument, Small
#6 **IMP6523S6**
#10 **IMP6523S**



Palti Sinus Lift Instrument
#6 **IMP6524S6**
#10 **IMP6524S**

• Refer to page 15 for a detailed listing of the Bone Grafting Kit, Black Line (IMNBGKITX) and Bone Grafting Kit (IMBGKIT).

Membrane Placement



Membrane Placement Instrument
Black Line **PMPIX**
#6 **PMPI6**
#6, Short **PMPIS6**
#2 **PMPI**
#2, Short **PMPIS**



Euwe Membrane Placement Instrument
#6 **PMPIE**



Modified PMPI Membrane Placement Inst.
#6 **PMP7002**

Chu Prosthetic Placement Instrument
PPIS



Pluggers / Condensers



Grisdale Bone Condenser
8-11-13-15-18 mm
Black Line **PLGGR1X**
#6 **PLGGR1**
#6, Short **PLGGR1S6**



Jovanovic Plugger, DE
3 mm
Black Line **PLGJO/4X**
#6 **PLGJO/46**
#522 **PLGJO/4**



Jovanovic Bone Condenser/Periosteal
#6 **PLGJO/56**



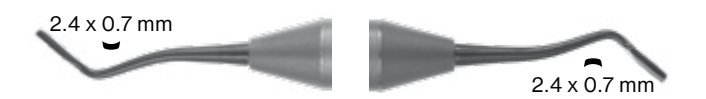
Bone Packer DE
6-8 mm **BPACK**



Labanca Plugger
Black Line **PLGLABANCX**
#6 **PLGLABANC6**



Rompen Plugger, Buccal/Lingual
Black Line **PLGROMP1X**



Rompen Plugger, Mesial/Distal
Black Line **PLGROMP2X**



Tahmaseb Sinus Lift/Bone Plugger
#6 **PLGTAHM**



Euwe Bone Scoop/Plugger
#6, Short **CSEUWES6**

Hemostats

Designed to optimize clinical efficiencies as a multipurpose instrument, our Hemostats are used for clamping off blood vessels, removing small root tips and grasping loose objects.



Learn more about our [Hemostats](#).



#1 Kelly Hemostat, Straight
5" **H1**



#2 Kelly Hemostat, Curved
5" **H2**



#3 Mosquito Hemostat, Curved
4" **H3**



#4 Mosquito Hemostat, Straight
4" **H4**



#5 1x2 Hemostat, Straight
5" **H5**



Adson Hemostat, Curved
7.5" **HAC**



Adson Hemostat, Straight
7.5" **HAS**

Hartmann Hemostat, Curved
4" **HHC**



Hartmann Hemostat, Straight
4" **HHS**



Kocher Hemostat, Curved
5.5" **HKC**

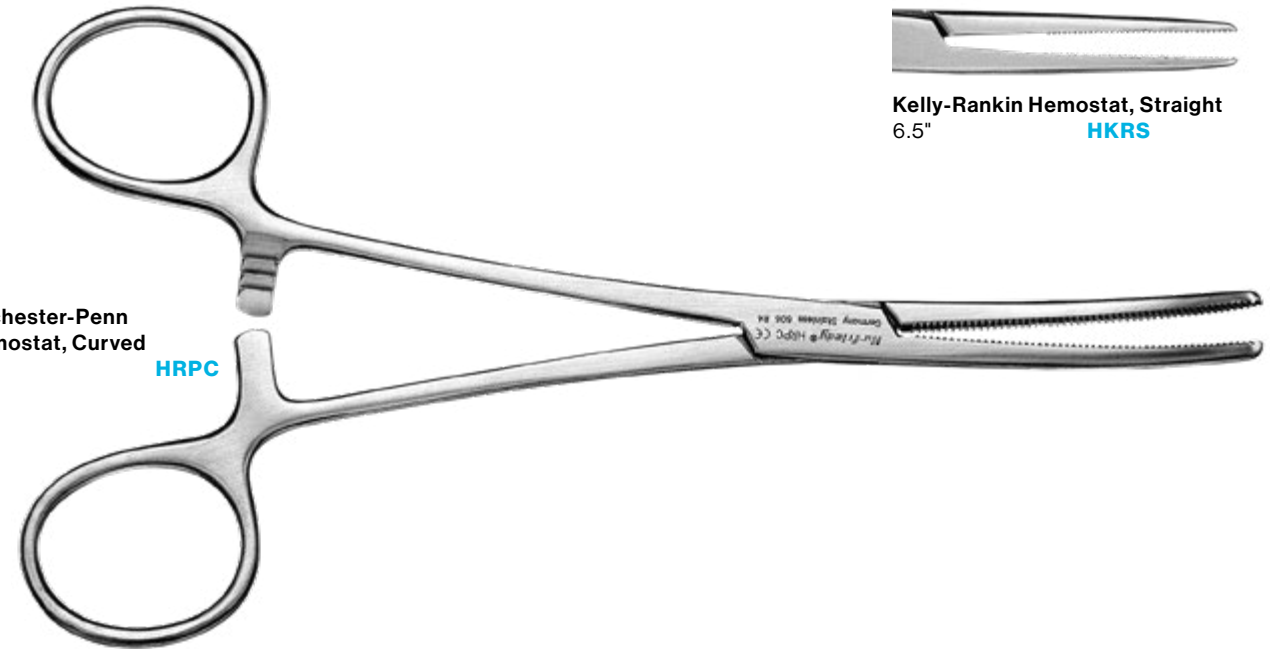


Kelly-Rankin Hemostat, Curved
6.25" **HKRC**



Kelly-Rankin Hemostat, Straight
6.5" **HKRS**

Rochester-Penn
Hemostat, Curved
6" **HRPC**



Implantology

We provide an extensive line of implantology instrumentation including sinus lift instruments, bone condensers, bone syringes, surgical curettes, periosteals, tissue pliers, bone placement instruments and rongeurs. Many were developed in conjunction with our Key Opinion Leaders and global educators.



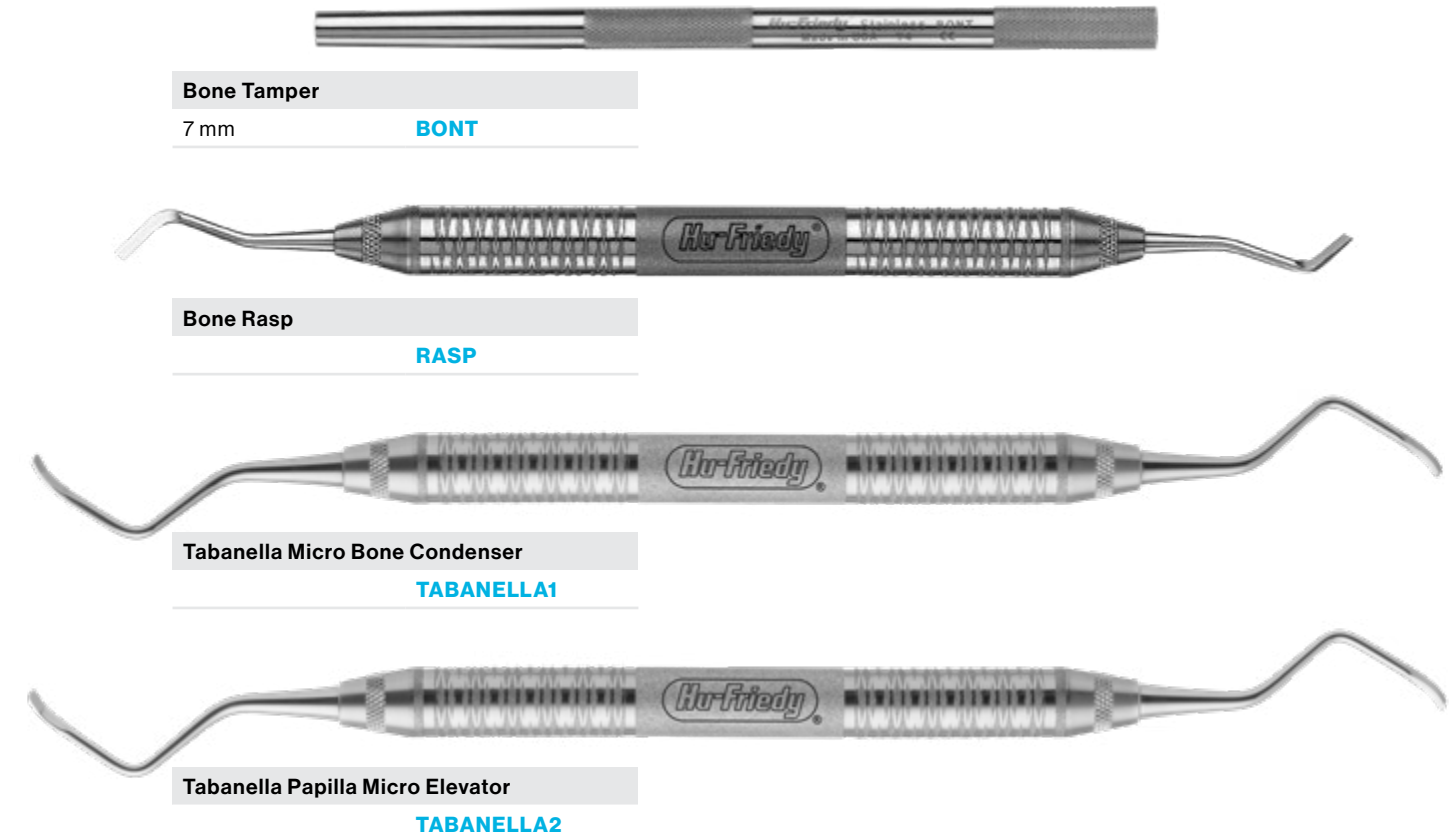
Giles de Quincey Bone Mill
 Titanium **BMTI**
 Stainless-Steel **BMSS**

Bone Mill Replacement Grinders
Includes two grinders
 Titanium **BMGRINDTI**
 Stainless-Steel **BMGRINDSS**



Watch the **Giles de Quincey Bone Mill** in use.

Bone Mill Set Screws, & Milling Handle
Includes two set screws and one milling handle
BMSCREWSET



Bone Tamper
 7 mm **BONT**

Bone Rasp
RASP

Tabanella Micro Bone Condenser
TABANELLA1

Tabanella Papilla Micro Elevator
TABANELLA2

Sinus Lift Instruments

Featuring a wide range of sinus lift instrument designs, we offer a variety of size, working-end and angulation options to provide optimal access to separate and reflect the Schneiderian membrane from the maxillary bone and to elevate the membrane during lateral sinus lift procedures.



300 Sinus Lift Instrument
 Black Line **IMP300X**
 #6 **IMP3006**
 #6, Short **IMP300S6**

Simion Sinus Lift Instrument
 #6 **IMP300SIM**



725 Implant Instrument
 #6 [IMP6343S6](#)
 #522 [IMP6343S](#)



709 Implant Instrument
 #6 [IMP6344S6](#)
 #522 [IMP6344S](#)

Sinus Lift Instrument
 3 mm
 #6 [IMP63456](#)
 #6, Short [IMP6345S6](#)
 #522 [IMP6345S](#)
 #10 [IMP6345-71](#)



7 Implant Instrument
 #6 [IMP6346S6](#)
 #522 [IMP6346S](#)



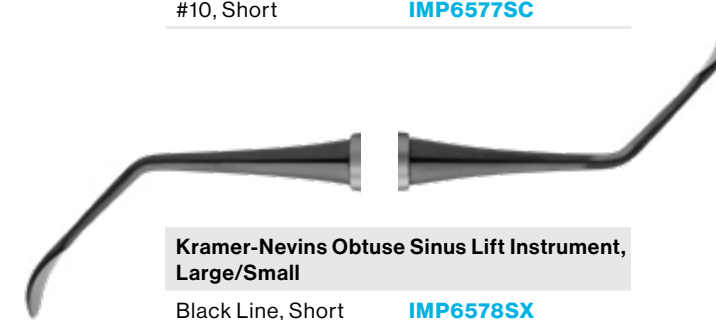
914 Implant Instrument
 #6 [IMP6347S6](#)
 #522 [IMP6347S](#)



912 Implant Instrument
 #522 [IMP6348S](#)



Kramer-Ne vins Acute Sinus Lift Instrument, Large/Small
 Black Line [IMP6577SCX](#)
 #6 [IMP6577SC6](#)
 #10, Short [IMP6577SC](#)



Kramer-Ne vins Obtuse Sinus Lift Instrument, Large/Small
 Black Line, Short [IMP6578SX](#)
 #6 [IMP65786](#)
 #2 [IMP6578](#)



Sinus Lift Instrument
 #6 [IMP7044K](#)



1 Rompen Sinus Lift Instrument
 #6 [IMPROMP16](#)



2 Rompen Sinus Lift Instrument
 #6 [IMPROMP26](#)



3 Rompen Sinus Lift Instrument
 #6 [IMPROMP36](#)



Dr. Rompen Sinus Spatula
[SSPR1](#)



Jovanovic Implant Instrument
 #6 [IMPJO66](#)
 #522 [IMPJO6](#)



1 Sinus Lift Instrument
 3.5 mm
 #6 [IMPSIM16](#)
 #10, Short [IMPSIM1](#)



Tarnow-Eskow Sinus Lift Instrument
 #6 [IMPSTE1/26](#)

1 Urban Sinus Lift Instrument
 #6 [IMPURBAN16](#)
 #6, Short [IMPURBA1S6](#)



2 Urban Sinus Lift Instrument
 #6 [IMPURBAN26](#)
 #6, Short [IMPURBA2S6](#)

3 Urban Sinus Lift Instrument
 #6 [IMPURBAN36](#)




Sinus Lift Instrument SE
 #6 [PESIM16](#)
 #40 [PESIM1](#)



Sinus Curette 1
 Black Line [SINC1X](#)
 Black Line, Short [SINC1SX](#)
 #6 [SINC1](#)
 #6, Short [SINC1S6](#)



Sinus Curette 2
 Black Line [SINC2X](#)
 Black Line, Short [SINC2SX](#)
 #6 [SINC2](#)
 #6, Short [SINC2S6](#)

 [Learn more about our Sinus Lift Instruments.](#)

Abutment Instruments



1 Zingheim Periosteal
 #6 [IPZ16](#)
 #522 [IPZ1](#)

3 Zingheim Periosteal
 #6 [IPZ36](#)
 #522 [IPZ3](#)



2 Zingheim Implant Guide
 #6 [IPZ26](#)
 #522 [IPZ2](#)

Implant Probes




Implant Probe (7-10-13-15-18)
 #6 [IMPSIM36](#)



20mm Implant Probe (8-10-12-14-16-18-20)
 #6 [PCP65006](#)
 #30 [PCP6500](#)

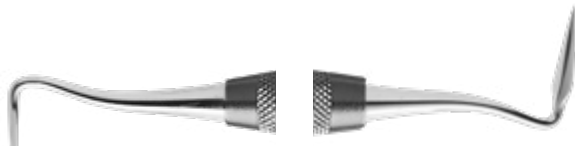
Knives

From spear-shaped blades for excising interproximal tissue, to oval designs for initial gingivectomy incisions, we offer a wide range of periodontal knives for various surgical and periodontal procedures.

 Learn more about our [Periodontal Knives](#).



3/4 Buck DE Knife
#6 [KB3/46](#)



5/6 Buck DE Knife
#6 [KB5/66](#)



CK-3 Crane-Kaplan Knife DE
#6 [KCK36](#)
#2 [KCK3](#)



GF-7 Goldman-Fox Knife DE
#6 [KGF76](#)



GF-8 Goldman-Fox Knife DE
#6 [KGF86](#)



GF-9 Goldman-Fox Knife DE
#6 [KGF96](#)



GF-11 Goldman-Fox Knife DE
Black Line [KGF11X](#)
#6 [KGF116](#)



15/16 Kirkland Knife DE
Black Line [KK15/16X](#)
Black Line, Short [KK15/16SX](#)
#6 [KK15/166](#)
#6, Short [KK15/16S6](#)
#9 [KK15/169](#)

15K Kirkland Knife SE
#6 [KK156](#)
#24 [KK15](#)
16K Kirkland Knife SE
#6 [KK166](#)
#24 [KK16](#)



1/2 Orban Knife DE
Black Line [KO1/2X](#)
#6 [KO1/26](#)
#9 [KO1/29](#)

1 Orban SE Knife
#6 [KO16](#)
#24 [KO1](#)



GDQ Tunneling Knife 1
Black Line [FQUINCEY1X](#)



GDQ Tunneling Knife 2
Black Line [FQUINCEY2X](#)



Allen Arrowhead Knife
Black Line [KO12KP03R4X](#)
#9 [KO12KP03R49](#)



1/2 Allen Orban Knife
30% thinner than standard Orban Knife
Black Line [KO12KP03AX](#)
#6 [KO12KP03A6](#)
#9 [KO12KP03A9](#)

1/2 Allen Modified Orban Knife, Round
Black Line [KO12KP03RX](#)
#6 [KO12KP03AR](#)
#9 [KO12KP03R9](#)



Allen End-Cutting Intrасulcular Knife
 Black Line **KPAX**
 #6 **KPA**



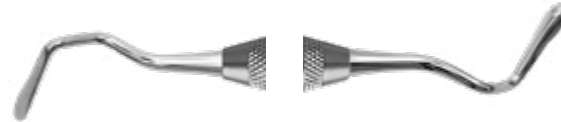
11 Kramer-Nevins Knife DE
 #6 **KKN116**



7 Kramer-Nevins Knife DE
 #6 **KKN76**



1 Dr. Reddy Knife
 #6 **KRDY1**



2 Dr. Reddy Knife
 #6 **KRDY2**



1/2 Sanders Knife DE
 #6 **KS1/26**



1/2 Solt Gingivectomy Knife DE
 #6 **KSOLT1/26**



19/20 USC Towner Knife DE
 #6 **KUSC6**



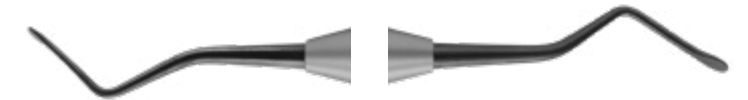
PM Nanos A Perio Knife, Angulated
 Smooth **PMNANOAS**



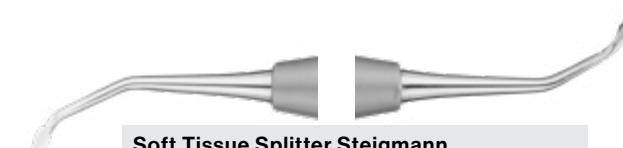
PM Nanos S Perio Knife, Straight
 Smooth **PMNANOSS**



1 Tunneling Knife
 Black Line **TKN1X**
 Black Line, Short **TKN1SX**
 #6 **TKN1**
 #6, Short **TKN1S6**
 Smooth **TKN1CH**



2 Tunneling Knife
 Black Line **TKN2X**
 Black Line, Short **TKN2SX**
 #6 **TKN2**
 #6, Short **TKN2S6**
 Smooth **TKN2CH**



Soft Tissue Splitter Steigmann
 Smooth **TKSTEIG**



Soft Tissue Splitter Steigmann, Modified
 Smooth **TKSTEIG2**



Mallets



#1 Mead Immunity Steel™ Mallet
MAL1

Nylon Facing For #1 Mallet
PTNFM1

Mouth Gags



Molt Mouth Gag
Adult **MGA**
Child **MGC**
Infant **MGI**

Silicone Replacement Tips
Adult **PTRTA**
Child **PTRTC**
Infant **PTRTI**



Mouth Props



Mouth Prop, Latex-Free
Pair of 2
Small Child **MP48**
Child **MP52**
Adult **MP54**

Needle Holders

Our Perma Sharp™ Needle Holders feature tungsten carbide inserts with a matched diamond-cut pyramidal profile for enhanced longevity, a secure, positive suture needle grasp and reduced risk of cutting the suture material.



Learn more about our [Needle Holders](#).

Microsurgical Needle Holders

Microsurgical needle holders have a lock to ensure that the needle is firmly secured. This allows the needle to be guided through coarse gingival tissue with controlled grip pressure.



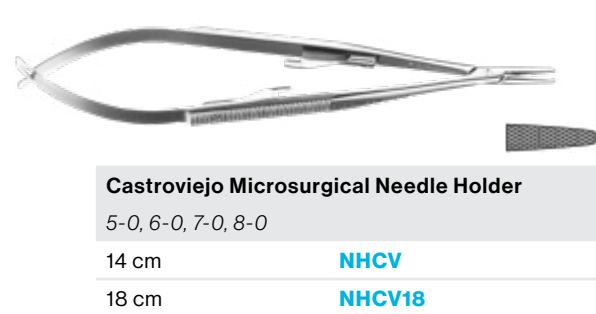
Castroviejo Microsurgical Needle Holder, Straight
5-0, 6-0, 7-0, 8-0
14 cm **NH5020M**



Castroviejo Microsurgical Needle Holder, Curved
5-0, 6-0, 7-0, 8-0
14 cm **NH5021M**



Castroviejo Microsurgical Needle Holders



Perma Sharp™ Castroviejo Needle Holders



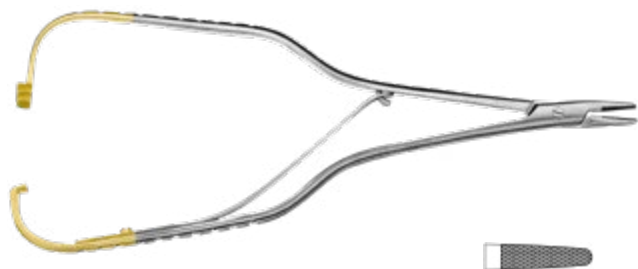


Perma Sharp™ Castroviejo Needle Holder, Curved
 Round Handle
 5-0, 6-0, 7-0, 8-0, 9-0, 10-0
 18 cm **NH5024RC**



Simion Perma Sharp™ Castroviejo Needle Holder
 3-0, 4-0, 5-0, 6-0
 18 cm **NH5024SIM**

Perma Sharp™ Needle Holders



Arruga Perma Sharp™ Needle Holder
 *5-0, 6-0, 7-0, 8-0
 16 cm **NH5022**



Webster Perma Sharp™ Needle Holder
 *8-0, 9-0, 10-0
 11.5 cm **NH5030**



Derf Perma Sharp™ Needle Holder
 *3-0, 4-0, 5-0
 11.5 cm **NH5032**



Perma Sharp™ Hegar-Baumgartner Needle Holder
 *1-0, 2-0, 3-0, 4-0
 14 cm **NH5034**



Halsey Perma Sharp™ Needle Holder, Smooth
 *8-0, 9-0, 10-0
 13 cm **NH5036**



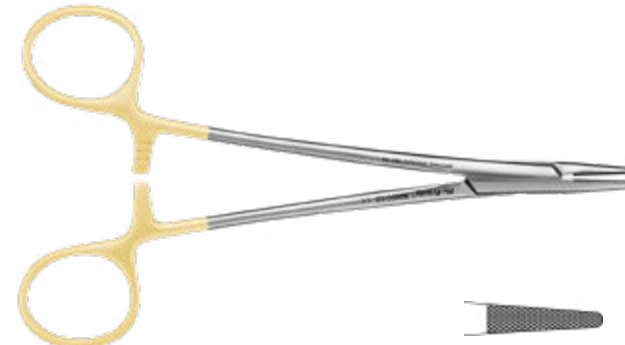
Perma Sharp™ Halsey Needle Holder, Serrated
 *3-0, 4-0, 5-0, 6-0
 13 cm **NH5037**



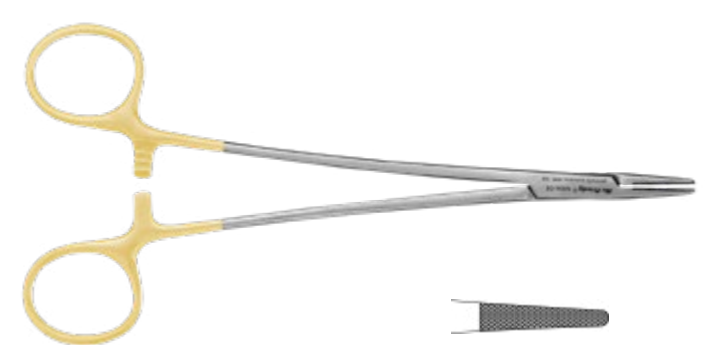
Crile-Wood Perma Sharp™ Needle Holder
 *3-0, 4-0, 5-0, 6-0
 15 cm **NH5038**



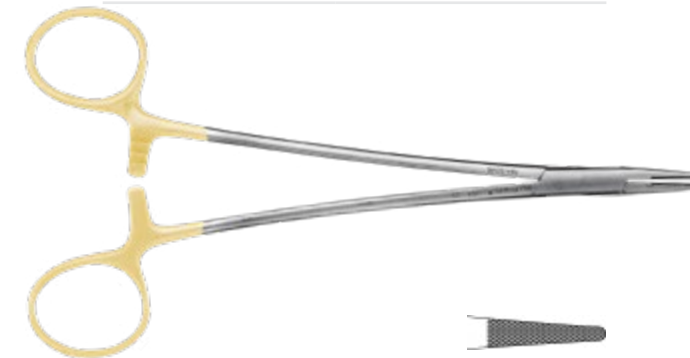
Perma Sharp™ Crile-Wood Needle Holder, Left Handed
 *3-0, 4-0, 5-0, 6-0
 15 cm **NH5038L**



Mayo-Hegar Perma Sharp™ Needle Holder
 *1-0, 2-0, 3-0, 4-0
 16 cm **NH5042**



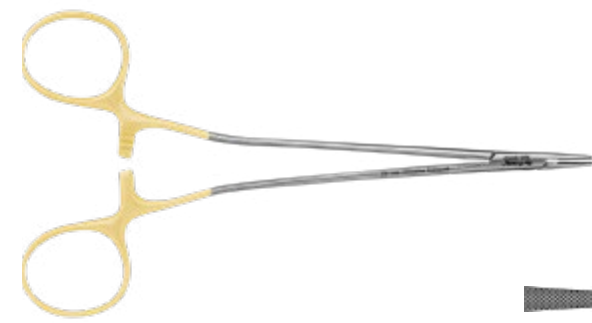
Mayo-Hegar Perma Sharp™ Needle Holder
 *1-0, 2-0, 3-0, 4-0
 18 cm **NH5044**



DeBakey Perma Sharp™ Needle Holder
 *4-0, 5-0, 6-0
 18 cm **NH5046**



HMT Perma Sharp™ Needle Holder
 *4-0, 5-0, 6-0
 15 cm **NH5050**

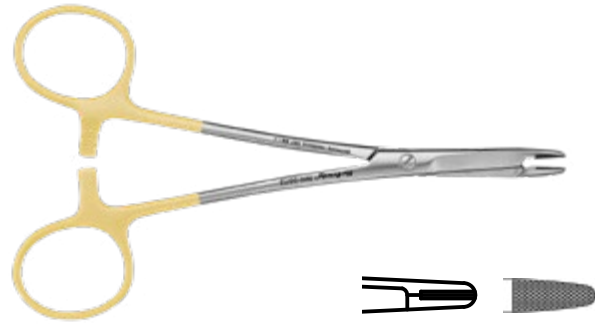


Fine Swedish Pattern Perma Sharp™ Needle Holder
 *5-0, 6-0, 7-0, 8-0
 15 cm **NH5052**



Olsen-Hegar Perma Sharp™ Needle Holder
 *3-0, 4-0, 5-0, 6-0
 17 cm **NH5068**

*Recommended suture sizes



Olsen-Hegar Perma Sharp™ Needle Holder
*3-0, 4-0, 5-0, 6-0
14 cm **NH5072**



Mathieu-Kocher Perma Sharp™ Needle Holder
*1-0, 2-0, 3-0, 4-0
14 cm **NH5074**



Mathieu-Kocher Perma Sharp™ Needle Holder
*1-0, 2-0, 3-0, 4-0
14 cm **NH5074E**



Mathieu Perma Sharp™ Needle Holder
*1-0, 2-0, 3-0, 4-0
14 cm **NH5076**



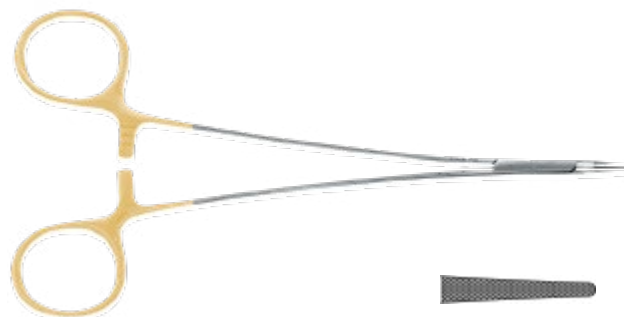
Micro-Vascular Pattern Perma Sharp™ Needle Holder
*6-0, 7-0, 8-0
15 cm **NH5082**



Micro-Vascular Pattern Perma Sharp™ Needle Holder
*6-0, 7-0, 8-0
18 cm **NH5084**



Mini-Ryder Perma Sharp™ Needle Holder
*8-0, 9-0, 10-0
15 cm **NH5092**



Mini-Ryder Perma Sharp™ Needle Holder
*8-0, 9-0, 10-0
18 cm **NH5094**



Lichtenberg Perma Sharp™ Needle Holder
17 cm **NHLBPSB**



Lichtenberg Perma Sharp™ Needle Holder
*3-0, 4-0, 5-0
17 cm **NHLBPSE**



Gillies Fine Needle Holder
NHGILFINE

General Needle Holders



Collier Needle Holder
3-0, 4-0, 5-0, 6-0
12 cm **NHC**



Boynton (Hu-Friedy) Needle Holder
5-0, 6-0, 7-0
12 cm **NHB**



Crile-Wood Needle Holder
3-0, 4-0, 5-0, 6-0
15 cm **NHCW**



Derf Needle Holder
3-0, 4-0, 5-0, 6-0
12 cm **NHD**

*Recommended suture sizes



Hegar-Baumgartner Needle Holder

1-0, 2-0, 3-0, 4-0

14.5 cm

NHHB

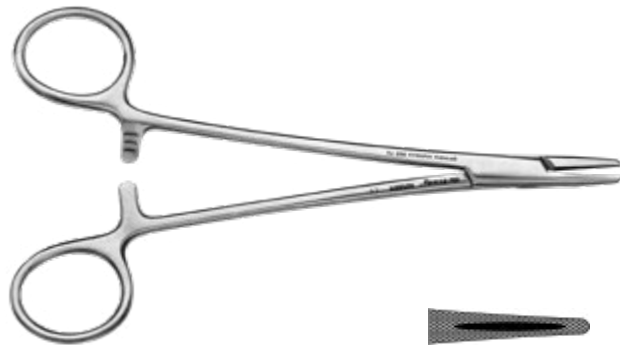


Mathieu Needle Holder

1-0, 2-0, 3-0, 4-0

14 cm

NHM



Mayo-Hegar Needle Holder

1-0, 2-0, 3-0, 4-0

16 cm

NHMH



Olsen-Hegar Needle Holder Scissors

4-0, 5-0, 6-0

17 cm

NHOH



Webster Needle Holder

7-0, 8-0, 9-0, 10-0

13.25 cm

NHW

Needles, Syringes, Needle-Syringe Combinations & IV Catheters

We offer a wide variety of Needles, Syringes, Syringe-Needle Combinations, and Catheters perfect for any procedure.

Syringe-Needle Combinations

We offer a variety of gauges, sizes, and lengths. All gauges and lengths come in boxes of 100 and attached needle is included.



1 mL Slip Tip Syringe w/ Attached Needle, Sterile

100 per box

25G x 5/8" **309626**

27G x 1/2" **309623**

3 mL Luer-Lok™ Syringe w/ Attached Needle, Sterile

100 per box

20g x 1" **309578**

21G x 1.5" **309577**

21G x 1" **309575**

22G x 1.5" **309574**

22G x 1" **309572**

23G x 1.5" **309589**

23G x 1" **309571**

25G x 1.5" **309582**

25G x 1" **309581**

25G x 5/8" **309570**

5 mL Luer-Lok™ Syringe w/ Attached Needle, Sterile

100 per box

20G x 1.5" **309635**

20G x 1" **309634**

21G x 1.5" **309633**

21G x 1" **309632**

22G x 1.5" **309631**

22G x 1" **309630**

10 mL Luer-Lok™ Syringe w/ Attached Needle, Sterile

100 per box

20G x 1" **309644**

22G x 1" **309640**



Hypodermic Luer-Lok™ Needles

This variety of needles are available in a variety of gauges and lengths. All gauges and lengths come in boxes of 100.



Hypodermic Luer-Lok™ Needles, Sterile	
100 per box	
16G x 1.5"	305198
18G x 1.5"	305196
18G x 1"	305195
20G x 1"	305175
21G x 1"	305165
22G x 1.5"	305156
22G x 1"	305155
23 G x 1"	305145
25G x 5/8"	305122
25G x 1.5"	305127
27G x 1/2"	305109
27G x 1.25"	305136
30G x 1/2"	305106
30G x 1"	305128

Hypodermic BD Needles

Hypodermic BD Needles, Sterile, Single Use	
100 per box	
21G x 1.5"	305167
20G x 1.5"	305176

Insulin Syringes

Insulin Syringe, 1CC 28G	
1CC 28G	329410

General Use Syringes



BD Syringe with Luer-Lok™ Tip, 10 ml, Sterile	
200 per box	302995

BD Slip Tip Syringe, 3 mL, Sterile, Single Use	
200 per box	309656

BD Luer-Lok™ Syringe, Sterile, Single Use	
1 mL, 100 per box	309628
3 mL, 200 per box	309657
5 mL, 125 per box	309646

Insyte™ Autoguard™ Shielded IV Catheter

Insyte™ Autoguard™ Shielded IV Catheter are made of BD Vialon™ Catheter Material with BD Instaflash™ Needle Technology.

Insyte™ Autoguard™ Shielded IV Catheter	
50 per box	
22G x 1"	381523
22G x 1"	381423



Our osteotomes are manufactured from surgical grade stainless steel for enhanced longevity and corrosion resistance. Engineered to split or spread bone, our osteotomes are available in both interchangeable or large handle designs.



Learn more about our [Osteotomes](#).



Osteotome, Straight
7-10-13-15-18 mm markings
4 mm **OSS6518S**



Osteotome, Curved
7-10-13-15-18 mm markings
4 mm **OSS6519CS**



Osteotome, Straight
7-10-13-15-18 mm markings
7.5 mm **OSS6520S**



Osteotome, Curved
7-10-13-15-18 mm markings
7.5 mm **OSS6521CS**



Jovanovic Osteotome
6 mm **OSTJ08**



1 Palti Osteotome
7-10-13-15-18 mm markings
2.7 mm **OSTPAL1**



2 Palti Osteotome
7-10-13-15-18 mm markings
3.2 mm **OSTPAL2**



3 Palti Osteotome
7-10-13-15-18 mm markings
3.7 mm **OSTPAL3**

4 Palti Osteotome
7-10-13-15-18 mm markings
4.2 mm **OSTPAL4**

Bone Pushers



Osteotome Bone Pushers, Slightly Convex Tip, Straight
2.7 mm **OSTMPU27**
3.2 mm **OSTMPU32**
3.7 mm **OSTMPU37**
4.2 mm **OSTMPU42**
5.0 mm **OSTMPU50**



Osteotome Bone Pushers, Angled
2.7 mm **OSTMPU27A**
3.2 mm **OSTMPU32A**
3.7 mm **OSTMPU37A**
4.2 mm **OSTMPU42A**
5.0 mm **OSTMPU50A**



Osteotome Tapered Concave Tip, Straight
2.7 mm **OSTMSH27**
3.2 mm **OSTMSH32**
3.7 mm **OSTMSH37**
4.2 mm **OSTMSH42**
5.0 mm **OSTMSH50**



Osteotome Tapered Concave Tip, Angulated
2.7 mm **OSTMSH27A**
3.2 mm **OSTMSH32A**
3.7 mm **OSTMSH37A**
4.2 mm **OSTMSH42A**
5.0 mm **OSTMSH50A**



Osteotome Tapered Convex Tip, Straight
2.7 mm **OSTMSP27**
3.2 mm **OSTMSP32**
3.7 mm **OSTMSP37**
4.2 mm **OSTMSP42**
5.0 mm **OSTMSP50**



Osteotome Tapered Convex Tip, Angulated
2.7 mm **OSTMSP27A**
3.2 mm **OSTMSP32A**
3.7 mm **OSTMSP37A**
4.2 mm **OSTMSP42A**
5.0 mm **OSTMSP50A**

• Refer to page 20 for a detailed listing of our Bone Spreading Kit (BONEKIT).



Interchangeable Osteotome Handle
OSTMGRIFF
Replacement Nut for OSTMGRIFF w/ Ring
OSTONUT

Periosteals

Handcrafted from Immunity Steel™ Alloy for optimal strength and corrosion resistance, our Periosteals feature precision finished edges for smooth tissue reflection with minimal trauma. Available in a variety of designs, our Periosteals ensure optimal access and clinical efficiencies during surgical and periodontal procedures.

 Learn more about our [Periosteals](#).



12S Bennett Periosteal
 #6 **P12S6**
 #522 **P12S**



14 Goldman-Fox Periosteal
 Black Line **P14X**
 #6 **P146**
 #2 **P14**



149 Periosteal Elevator
 #6 **P1496**
 #522 **P149**



15 Freer Periosteal
 #6 **P156**
 #522 **P15**



16 Freer Periosteal
 #6 **P166**
 #522 **P16**



1 Hopkins Periosteal Elevator
 #522 **P1**



1 Hopkins Periosteal Elevator
 #6 **P1H6**



2 Hopkins Periosteal Elevator
 #6 **P26**
 #522 **P2**



4 Hoexter Periosteal
 #6 **HOEXTER4**



20 Sicilia Periosteal	
#6	P20SIC6
#2	P20SIC



20 (LH) Hirschfeld Periosteal	
#6	P206
#2	P20



24G Sicilia Periosteal	
#6	P24GSIC6
#522	P24GSIC



24G Periosteal	
Black Line, Short	P24GSPX
#6	P24G6
#6	P24GSP6
#5	P24GSP
#2	P24G



3 Mead Periosteal Elevator	
#6	P36
#522	P3



8D Periosteal DE	
#6	P8D6
#522	P8D



9 Molt Periosteal Elevator	
Black Line	P9X
#6	P96
#522	P9



P9/PA DE Periosteal #6 Handle	
#6	P9/PA6
#522	P9/PA



9A Allen Periosteal Elevator	
#6	P9A6
#522	P9A



9H Howard Periosteal Elevator	
#6	P9H6
#522	P9H



Benque Periosteal	
#6	PBQ6
#522	PBQ



Demirel Periosteal	
#6, Short	PDEMIRELS6



Donos Periosteal
Black Line **PDONOS**



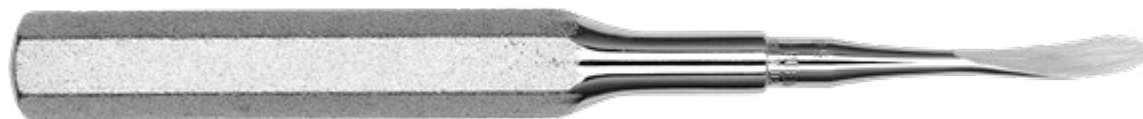
Urban Mini Me Microsurgical Periosteal
Black Line **PFIWDS1MKX**
#6 **PFIWDS1MK**



Woodson Periosteal
Black Line **PFIWDS1X**
#6, Short **PFIWDS1S6**



Freer Nasal Periosteal
PFN



5 Molt SE Periosteal Elevator
#502 **P5**



Grisdale Periosteal Elevator
#6 **PGR1**



2 Hourigan Woodson Periosteal
#6 **PH26**
#41 **PH2**



2 Hourigan Modified Woodson Periosteal
#6 **PH26M**



#2 Kalla Periosteal
PH2KALLA



1 Kramer-Nevins Periosteal Elevator
#6 **PKN16**
#41 **PKN1**



152 Kramer-Nevins Periosteal
#6 **PKN1526**
#2 **PKN152**



152 Kramer-Nevins Periosteal, Black Line
Black Line **PKN152X**
Black Line, Short **PKN152SX**



PM Split Periosteal
Black Line, Short **PMSPLITSX**



Malo Periosteal
PMALO



25 Palti Periosteal
PP25



Implant Periosteal
#6 **PP5590SIM**



Periosteal, Allen Elevator, Posterior	
Black Line	PPAELPX
Black Line, Short	PPAELPSX
#6	PPAELP
#6, Short	PPAELS6



Periosteal, Allen Elevator, Anterior	
Black Line	PPAELAX
Black Line, Short	PPAELASX
#6	PPAELA
#6, Short	PPAELAS6

Periosteal, Allen Elevator	
Black Line	PPAELX
Black Line, Short	PPAELSX
#6	PPAEL



Modified Buser/Hourigan Periosteal, Small	
Black Line	PPBUH2M2X

Modified Buser/Hourigan Periosteal, Large	
Black Line	PPBUH2MX



1/2 Buser Modified PJO1/2 & Chisel 13KL Periodontal Chisel	
#6	PPBUSE1/26



1/3 Buser Modified PJO1/3 & Chisel 13KL Periodontal Chisel	
#6	PPBUSE1/36



Buser Periosteal Elevator	
Black Line	PPBUSERX
Black Line, Short	PPBUSERSX
#6	PPBUSER6
#10	PPBUSER



1 Labanca Periosteal	
#6	PPLABANCA6
#10	PPLABANCA



2 Labanca Periosteal Modified	
#6	PPLABANC26
#6, Short	PPLABAN2S6
#41	PPLABANCA2



3 Labanca Periosteal Modified	
Black Line	PPLABANC3X
#6	PPLABANC36
#41	PPLABANCA3



#3/9A Periosteal	
#6	PPR3/9A6
#522	PPR3/9A



PR-3 Prichard Periosteal	
Black Line	PPR3X
#6	PPR36
#6, Short	PPR3S6
#522	PPR3
#522, Short	PPR3S
Modified	PPR3M



Spahr Papilla Periosteal	
#6	PPSPAHR6

Periosteal Splitter Steigmann	
Smooth	PPSTEIG



Williger Periosteal, Large	
	PWILL



1 Trombelli Periosteal
#6 **PTROM16**



Swiss Perio 24G Periosteal
Black Line **SPP24GSPX**



Swiss Perio SIC Periosteal
Black Line **SPP24GSICX**



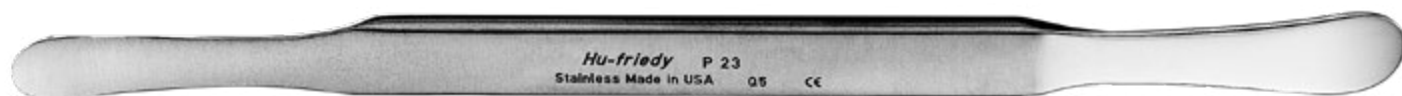
Swiss Perio Periosteal
Black Line **SPP24GSP2X**



Swiss Perio PH2 Periosteal
Black Line **SPPH2X**



Swiss Perio SCHL Periosteal
Black Line **SPPSCHLEEX**



23 Seldin Periosteal Retractor
P23



1 Hourigan Periosteal - 23 Serrated
PH1

Periotomes

Our 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, thin clinically designed blades.



Learn more about our [Periotomes](#).



Periotome, Posterior

Black Line **PT1X**
#6 **PT1**



Periotome, Anterior

Black Line **PT2X**
#6 **PT2**



Periotome, Posterior, Right

Black Line **PT3X**
#6 **PT3**



Periotome, Anterior, Angled

Black Line **PT5X**
#6 **PT5**



Periotome, Posterior, Left

Black Line **PT4X**
#6 **PT4**



Periotome, Anterior, Straight

Black Line **PT6X**
#6 **PT6**




Wise Periotome

Black Line **PEREURX**
#6 **PEREUR**

Retractors

Our variety of Retractors are used to hold mucoperiosteal flaps, cheeks, lips and tongue away from the surgical area.

 Learn more about our [Retractors](#).

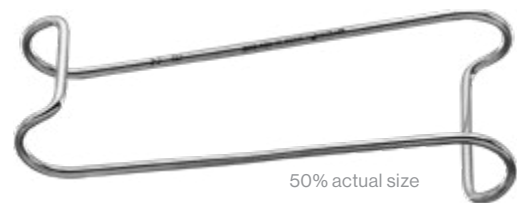
Cheek Retractors



50% actual size

Bishop Cheek Retractor

CRB



50% actual size

Retractor Columbia Cheek

CRC



50% actual size

Cawood-Minnesota Retractor

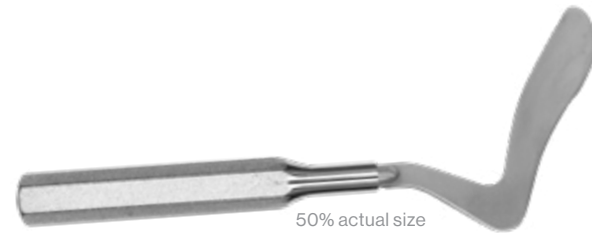
CRM2



13% actual size

Urban Cheek Retractor

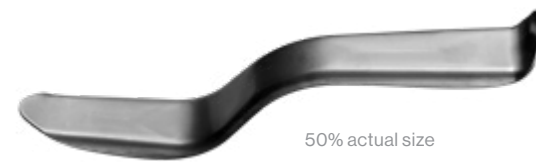
CRURBAN



50% actual size

Black Cheek Retractor

CRBL



50% actual size

University of Minnesota Retractor

Black Line **CRMX**

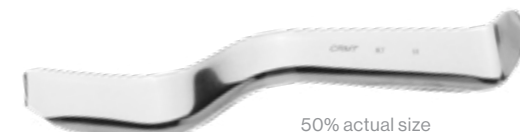
Stainless Steel **CRM**



50% actual size

Simion Cheek Retractor

CRMS



50% actual size

Modified Minnesota Retractor, Serrated

CRMT



Hu-Friedy
CRLABANCA-L CE

GERMAN STAINLESS 840 1113



Hu-Friedy
CRLABANCA-M CE

GERMAN STAINLESS 840 1113



Hu-Friedy
CRLABANCA-S CE

GERMAN STAINLESS 840 1113

Labanca Malleable Retractors, Serrated

Set of 3

44% actual size

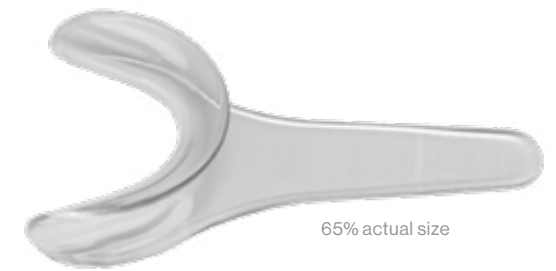


44% actual size

Orringer Retractor

Medium **CRO2**

Large **CRO3**



65% actual size

Plastic Retractors

Package of 2

Adult **CRPA**

Child **CRPC**



100% actual size

Shuman Retractor

Adult **CRSA**



50% actual size

Farabeuf Tissue Retractor Twin Set

TRFB



44% actual size

Weider Cheek & Tongue Retractor

Small **CRW1**

Large **CRW2**

Tissue Retractors



Sinus Retractor
#504 **SGRT**



Brenner Sinus Retractor
#510 **SGRTB**



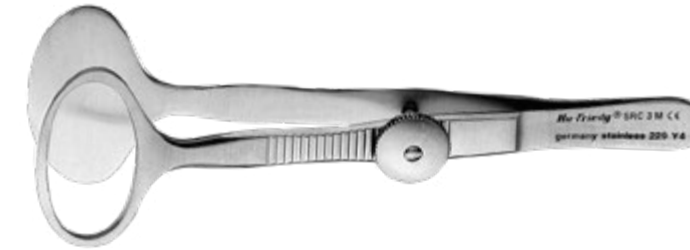
50 Channel Retractor
SR50



8 Surgical Retractor
SR8



9 Ramus Retractor
SR9



Desmarres Chalazion Retractor, Medium
SRC3M



Sinus Retractor Misch 10
SRM10



Sinus Retractor Misch 15
SRM15

Henahan Retractors



1 Henahan Retractor
TRH1



2 Henahan Retractor
TRH2



2/3 Henahan Retractor
TRH2/3



3 Henahan Retractor
TRH3



Implant Retractor
23 cm **IR**



Middeldorp Retractor
17 cm x 14 cm **RSMID1**



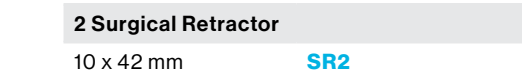
Middeldorp Retractor
22 cm x 20 cm **RSMID2**



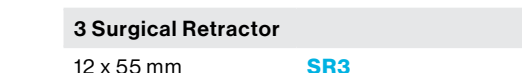
Malo Surgical Retractor
SRMALO



1 Surgical Retractor
7 x 25 mm **SR1**



2 Surgical Retractor
10 x 42 mm **SR2**




3 Surgical Retractor
12 x 55 mm **SR3**



2 Austin Tissue Retractor
TRA2

Rongeurs

We offer an extensive portfolio of rongeurs, including full round end cutting, end cutting and side cutting designs, engineered for trimming and recontouring alveolar bone and gross tissue removal.

 Learn more about our [Rongeurs](#).



1 Hu-Friedy™ Rongeurs
16.5 cm **R1**



15 Hu-Friedy™ Rongeurs
16.5 cm **R15**



18 Hu-Friedy™ Rongeurs
16.5 cm **R18**



1A Mead Rongeurs
16.5 cm **R1A**



3H Dean Rongeurs
17 cm **R3H**



4 Cleveland Rongeurs
14 cm **R4**



4A Cleveland Rongeurs
17 cm **R4A**



5 Rongeur
17 cm **R5**



5S Cleveland Rongeurs
15 cm **R5S**



Kramer-Nevins Rongeurs
14.5 cm **RKN**

Blumenthal



30° Blumenthal Rongeurs
14.5 cm **RBL**



45° Blumenthal Rongeurs
14.5 cm **RBL45**



90° Blumenthal Rongeurs
14.5 cm **RBL90**

Double Action Hinged



18M Double Action Side-Cutting
17 cm **R18M**



Beyer Rongeurs
18 cm **RBEY**



Boehler Rongeurs
16 cm **RBOE**
15 cm, Curved **RBOEC**

Friedman

Small beaks for use in limited access areas and for trimming fibrous tissue or small bony spicules.



Friedman Rongeurs
14 cm **RF**



Mini Friedman Rongeurs
14.5 cm **RMF**



Mini 90° Friedman Rongeurs
14.5 cm **RMF90**



Kerrison Shortnose, Rongeur, 3 mm
RKSN

Root Tip Picks

Our selection of Root Tip Picks are delicate instruments designed for the removal of root tips in difficult-to-reach areas.

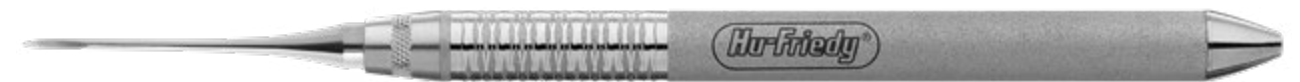
 Learn more about our [Root Tip Picks](#).



#94 Root Tip pick
#502 **E94**



#95 Root Tip Pick
#502 **E95**



9 West Root Tip Pick
#6 **E96**
#503 **E9**



9L Root Tip Pick
#6 **E9L6**
#503 **E9L**



9R Root Tip Pick
#6 **E9R6**
#503 **E9R**

..... Suggested Pair



10 Davis DE Root Tip Pick

#6	ED106
#2	ED10



11 Davis DE Root Tip Pick

#6	ED116
Spoon Blade	ED11



1 Davis SE Root Tip Pick

#6	ED16
#503	ED1



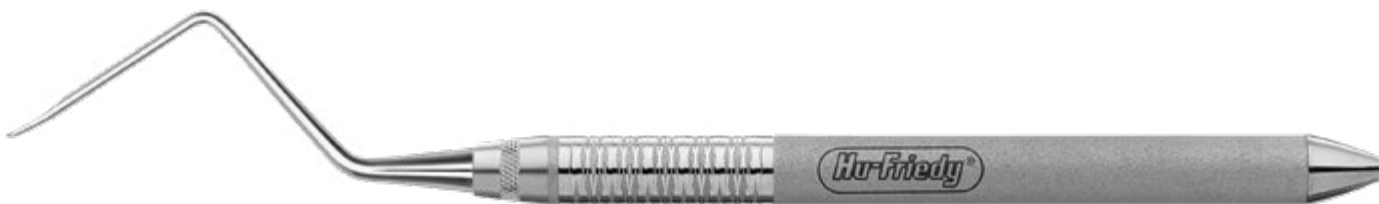
2 Davis SE Root Tip Pick

#6	ED26
#503	ED2



3 Davis SE Root Tip Pick

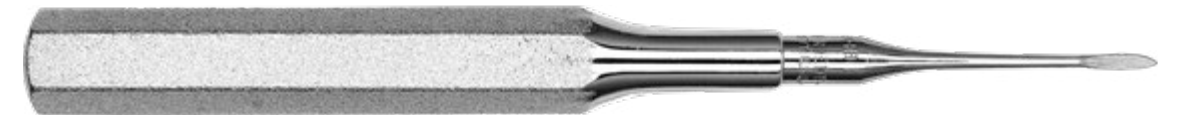
#6	ED36
#503	ED3



4 Davis SE Root Tip Pick

#6	ED46
#503	ED4

Suggested Pair



#1 Heidbrink Root Tip Pick

#502	EHB1
------	----------------------



13/14 Heidbrink DE Root Tip Pick

Black Line	EHB13/14X
#6	EHB13/146
#522	EHB13/14

13/14 Heidbrink DE Root Tip Pick, Heavy

#6	EHB13/14H6
#522	EHB13/14H



2 Heidbrink Root Tip Pick

#502	EHB2
------	----------------------

2 Heidbrink Root Tip Pick-Heavy

#502	EHB2H
------	-----------------------



3 Heidbrink Root Tip Pick

#502	EHB3
------	----------------------

3 Heidbrink Root Tip Pick, Heavy

#502	EHB3H
------	-----------------------

Suggested Pair



4 Heidbrink Root Tip Pick

#502	EHB4
------	----------------------



5 Heidbrink Root Tip Pick

#502	EHB5
------	----------------------

Suggested Pair



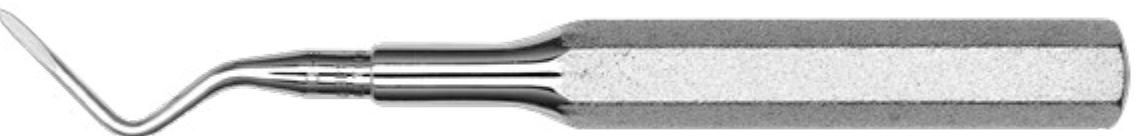
1 Howard Root Tip Pick
#502 [EHO1](#)



2 Howard Root Tip Pick
#502 [EHO2](#)



2/3 Howard DE Root Tip Pick
#6 [EHO2/36](#)
#522 [EHO2/3](#)



#3 Howard Root Tip Pick
#502 [EHO3](#)



#4 Howard Root Tip Pick
#502 [EHO4](#)



RAF1 Root Tip Pick
#504 [ERAF1](#)



RAF3 Root Tip Pick, Modified
#504 [ERAF3KA](#)

Suggested Pair



1 West Apical Root Tip Pick
#6 [EWS16](#)
#1 [EW1](#)



2 West Apical Root Tip Pick
#6 [EW26](#)
#1 [EW2](#)



3 West Apical Root Tip Pick
#6 [EW36](#)
#1 [EW3](#)

Suggested Pair



4 West Apical Root Tip Pick
#6 [EW46](#)
#1 [EW4](#)



5 West Apical Root Tip Pick
#6 [EW56](#)
#1 [EW5](#)

Suggested Pair



6 West Apical Root Tip Pick
#6 [EW66](#)
#1 [EW6](#)

Scalpel Blades & Handles

Our Scalpel Handles feature balanced designs and are manufactured from the finest grade surgical stainless steel for optimal control and enhanced longevity. Paired with our surgical Scalpel Blades which are crafted from the finest materials for strength and durability, we offer both microsurgical and standard styles to match clinician and procedural preferences.



11 Sterile Scalpel Blades
QTY:100/box
Carbon Steel [10-255-11](#)
Surgical Grade Stainless Steel [40-811](#)



12 Sterile Scalpel Blades
QTY:100/box
Carbon Steel [10-255-12](#)
Surgical Grade Stainless Steel [40-812](#)



12D Sterile Scalpel Blades
QTY:100/box
Carbon Steel [10-256-12](#)
Surgical Grade Stainless Steel [40-812B](#)



15 Sterile Scalpel Blades
QTY:100/box
Carbon Steel [10-255-15](#)
Surgical Grade Stainless Steel [40-815](#)



15C Sterile Scalpel Blades
QTY:100/box
Carbon Steel [10-256-15](#)
Surgical Grade Stainless Steel [40-815C](#)



25 Sterile Scalpel Blades
QTY:100/box
Carbon Steel [10-255-25](#)
Surgical Grade Stainless Steel [40-825](#)

Mini Scalpel Blades



Full Radius Point Mini Scalpel Blades, Sterile
QTY: 12/box [MB63](#)



Single Edge Mini Scalpel Blades, Sterile
QTY: 12/box [MB64](#)



Curved Edge Mini Scalpel Blades, Sterile
QTY: 12/box [MB67](#)

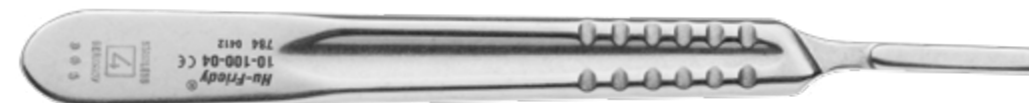


Full Radius Round Scalpel Blades, Sterile
QTY: 12/box [MB69](#)



Single Edge Micro Mini Scalpel Blades, Sterile
QTY: 12/box [MIM64](#)

Scalpel Blade Handles



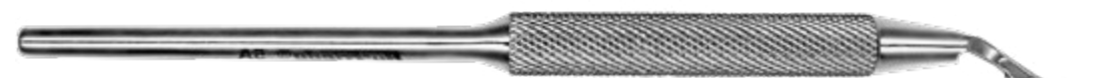
#4 Scalpel Handle, Lab Size
[10-100-04](#)



#3 Scalpel Handle
[10-130-03](#)



#5 Scalpel Handle, Round Straight
[10-130-05](#)



#5 Scalpel Handle, Round
[10-130-05A](#)



#5 Scalpel Handle, Double
1 mm [1013005D1](#)
1.5 mm [10-130-05D](#)



#7 Scalpel Handle
[10-130-07](#)



#7K Scalpel Handle
[10-130-07K](#)



#5 Scalpel Handle, European Style
10-130-05E



#5 European Style Matte Scalpel Handle
10-130-5EM



Paquette Palatal Knife
KPQ

Mini Scalpel Blade/Mirror Handles



ResinEight™ Mini Scalpel Handle
10-130-08



Mini Blade Scalpel Handle
1-015



Mini Scalpel Blade/Mirror Handle Stainless Steel
SHDPV



Mini Scalpel Blade/Mirror Handle Titanium
SHTMBH

Additional Products



7 Mini Scalpel Blade Handle
10-130-70



Mini and Micro Mini Blade Wrench
MBW



Scalpel Blade Remover
10-199-00

Blades & Blade Handles



Aspen Surgical® Blades w/ Rib-Back Design, Sterile	
<i>50 per box - Carbon Steel</i>	
Size 10	371110
Size 11	371111
Size 12	371112
Size 15	371115
Size 21	371121

Aspen Surgical® Blades, Non-Sterile	
<i>6 per strip - Carbon Steel</i>	
Size 11	371311
Size 12	371312
Size 15	371315
Size 20	371320
Size 21	371321
Size 22	371322
Size 25	371325

Aspen Surgical® Bard-Parker® Blades, Sterile, Conventional	
<i>50 per box - Stainless Steel</i>	
Size 10	371210
Size 11	371211
Size 12	371212
Size 15	371215
Size 20	371220
Size 22	371222
Size 23	371223
Size 12B	371712
Size 15C	371716

Disposable Scalpels

Aspen Surgical® Bard-Parker® Disposable Scalpel, Sterile, Conventional	
<i>10 per box - Stainless Steel</i>	
Size 10	371610
Size 11	371611
Size 12	371612
Size 15	371615
Size 20	371620
Size 12B	371613

Aspen Surgical® Bard-Parker® Surgical Blade Handle, Non-Sterile, Conventional		
<i>5 per box</i>		
Size 3	371030	Fits Blades 10 to 15
Size 4	371040	Fits Blades 20 to 25
Size 5	371050	Fits Blades 10 to 15
Size 6	371060	Fits Blades 20 to 25
Size 7	371070	Fits Blades 10 to 15
Size 9	371090	Fits Blades 10 to 15

Beaver® Mini-Blades

Beaver® 6400 Mini-Blade	
<i>20 per box</i>	
Grindless, rounded tip, sharp on one side, green	376400

Beaver® 6700 Mini-Blade	
<i>20 per box</i>	
Grindless, smaller alternative to #15 general blade, orange	376700

HuCare

Surgical Instrument Care Program



Through our **Warranty Program for Surgical Instruments**, HuFriedyGroup is pleased to offer free servicing for the life of the instrument.*

When you purchase the highest quality products, it is important to keep them in optimal working condition.

Sign up to:

- Protect your investments through regular, free service
- Free up valuable time to focus on providing positive clinical outcomes for your patients
- Ensure accurate servicing by the same HuFriedyGroup artisans that manufactured your instruments



Visit [HuFriedyGroup.com/HuCare-Surgical/SignUp](https://www.hufriedygroup.com/HuCare-Surgical/SignUp)

*Covered for the life expectancy of product, not life of doctor or practice.

Scissors

Our Scissors are designed to exact specifications for balanced and smooth control. We offer an extensive selection including microsurgical, suture, crown and gold, bandage and general surgery scissors.

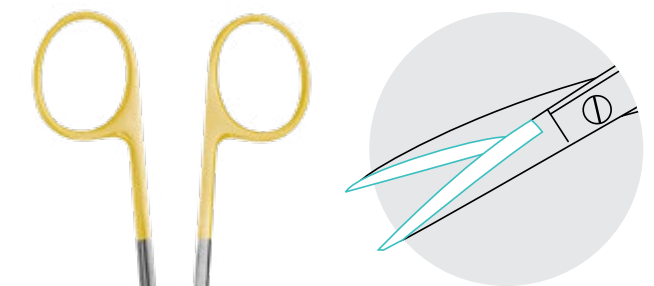


Learn more about our [Scissors](#).

Scissors Styles

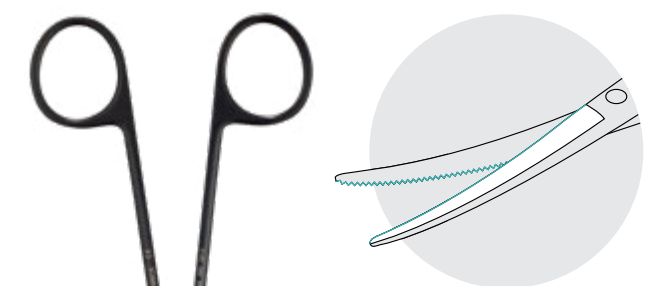
Perma Sharp™ Scissors

Featuring tungsten carbide inserts bonded to surgical-grade stainless steel on both cutting edges for smooth, controlled cutting and maximum durability.



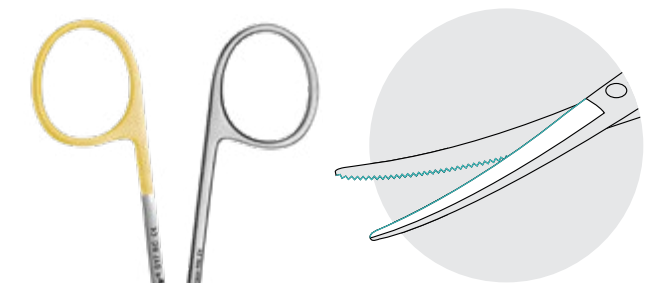
Black Line Scissors with Super Cut Blades

Feature a performance engineered coating for optimal edge retention, reduced light reflection afforded by the black matte finish, and enriched contrast and visual acuity at the surgical site and underlying tissue.



Super Cut Scissors

Cutting blade honed/serrated to "razor" sharpness with opposing blade finished with fine serrations to avoid tissue slippage.



Standard Series Scissors

A wide array of cutting blades to fit a variety of needs.





14 LaGrange Scissors, Curved, Super-Cut
11.5 cm (4.5"), 1 serrated blade

Black Line **S14SCX**
Standard **S14SC**

14 LaGrange Scissors
11.5 cm (4.5"), 1 serrated blade
Standard **S14**



16 Iris Scissors, Curved, Super-Cut
12.5 cm (5"), 1 serrated blade

Black Line **S16SCX**
Standard **S16SC**

16 Iris Scissors
12.5 cm (5"), 1 serrated blade
Standard **S16**



10 Scissors
13.5 cm (5.3"), 1 serrated blade

Super-Cut **S10SC**
Standard **S10**



Scissors Cortellini, Super-Cut, Curved
12 cm (4.75"), 1 serrated blade

12 cm **SCORTSC**



17 Iris Scissors, Straight, Super-Cut
11.5 cm (4.5"), 1 serrated blade

Black Line **S17SCX**
Standard **S17SC**

17 Iris Scissors, Straight
11.5 cm (4.5"), 1 serrated blade
Standard **S17**



18 Iris Scissors, Curved, Super-Cut
11.5 cm (4.5"), 1 serrated blade

Black Line **S18SCX**
Standard **S18SC**

18 Iris Scissors, Curved
11.5 cm (4.5"), 1 serrated blade
Standard **S18**



Kelly Perma Sharp™ Scissors, Curved
16 cm (6.25"), 1 serrated blade

S5001



Kelly Perma Sharp™ Scissors, Straight
16 cm (6.25"), 1 serrated blade

S5002



Wire Cutting Perma Sharp™ Scissors
12 cm (4.75"), 1 serrated blade

S5095



Dean Perma Sharp™ Scissors
16 cm (6.25"), 1 serrated blade

S5009



Metzenbaum Scissors, Super-Cut
14.25 cm (5.5"), 1 serrated blade

S19SCX



Goldman-Fox Scissors, Straight, Super-Cut
13.5 cm (5.25"), 1 serrated blade

S20SCX



Locklin Perma Sharp™ Scissors, Open Shank
16 cm (6.5"), 1 serrated blade

S5011



Locklin Perma Sharp™ Scissors, Closed Shank
16 cm (6.5"), 1 serrated blade

S5012



Metzenbaum Perma Sharp™ Scissors, Straight, Blunt
14.5 cm (5.5")

S5054



Metzenbaum Perma Sharp™ Scissors, Curved, Blunt
14.5 cm (5.5")

S5055



Metzenbaum Perma Sharp™ Scissors, Straight, Pointed
14.5 cm (5.5")

S5056



Metzenbaum Perma Sharp™ Scissors, Curved, Pointed
14.5 cm (5.5")

S5057



Metzenbaum Perma Sharp™ Scissors, Curved, Delicate
18 cm (7")

S5069



Goldman-Fox Perma Sharp™ Scissors, Straight
13 cm (5"), 1 serrated blade

S5080



Goldman-Fox Perma Sharp™ Scissors, Curved
13 cm (5"), 1 serrated blade

S5081



Iris Perma Sharp™ Scissors Straight
11.5 cm (4.5")

S5082



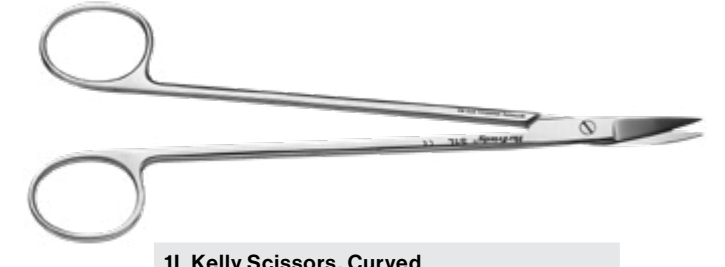
Iris Perma Sharp™ Scissors Curved
11.5 cm (4.5")

S5083



1 Kelly Scissors, Curved
16 cm (6.25"), 1 serrated blade

S1



1L Kelly Scissors, Curved
18 cm (7"), 1 serrated blade

S1L



2 Kelly Scissors, Straight
16 cm (6.25"), 1 serrated blade

S2



2L Kelly Scissors, Straight
18 cm (7"), 1 serrated blade

S2L



3 Mayo Scissors, Curved
14.5 cm (5.75")

S3



4 Mayo Scissors, Straight
14.5 cm (5.75")

S4



5 Wagner Scissors, Straight
11.5 cm (4.5"), 1 serrated blade

S5



6 Wagner Scissors, Curved
11.5 cm (4.5"), 1 serrated blade

S6



7 Wagner Scissors, Angled
11.5 cm (4.5"), 1 serrated blade

S7



8 Quinby Scissors
12.5 cm (5"), 1 serrated blade

S8



9 Dean Scissors
16.5 cm (6"), 1 serrated blade
S9



11 Locklin Scissors
16 cm (6.25"), 1 serrated blade
S11



Crown & Gold Scissors, Curved
12 cm (4.75")
SCGC



Crown & Gold Curved, Scissors, Pedro
9 cm (3.5")
SCGCP



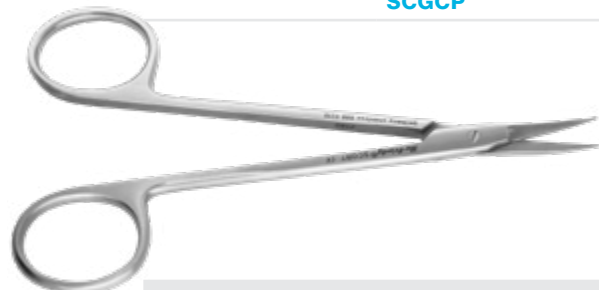
12 Locklin Scissors
16 cm (6.25"), 1 serrated blade
S12



13 Suture Scissors
15 cm (6")
S13



Crown & Gold Scissors, Straight
12 cm (4.75")
SCGS



Scissors Cortellini, Curved
12 cm (4.75")
12 cm
SCORT



13S Suture Scissors
12 cm (4.75")
S13S



15 Sullivan Scissors
14 cm (5"), 1 serrated blade
S15



Strabismus Scissors, Straight
11.5 cm (4.5")
S40



Joseph Scissors
14 cm (5"), 1 serrated blade
Curved **SJC**
Straight **SJS**



#21 Surgical Scissors, Straight, Pointed
14.5 cm (5.75")
S21



#22 Surgical Scissors, Straight, Blunt
14.5 cm (5.75")
S22



Lister Bandage Scissors
14.5 cm (5.75")
SLB



#23 Surgical Scissors, Curved, Pointed
14.5 cm (5.75")
S23



Baby Metzenbaum Scissors
12.5 cm (5")
SMB

Microsurgical Scissors



Swiss Perio Microsurgical Scissors
12 cm (4.75")
SPSPV

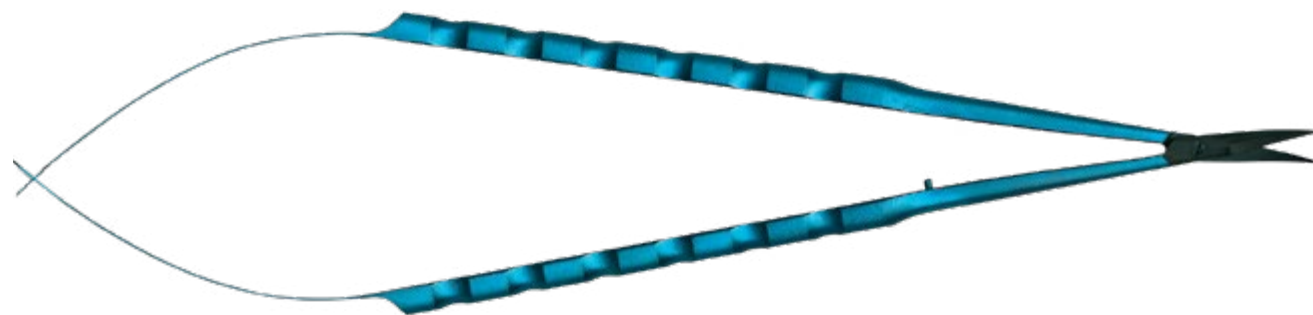


Swiss Perio Microsurgical Scissors, 45°
12 cm (4.75")
SPSPV45



Castroviejo Microsurgical Scissors
16.25 cm (6.5"), 1 serrated blade
Black Line **SPVX**

Castroviejo Microsurgical Scissors
18 cm (7")
Standard **SPV**



Castroviejo Microsurgical Scissors, Curved
18 cm (7")
Titanium **STMBH**



31 Castroviejo Scissors
10 cm (4")
S31

Sutures

Our Perma Sharp™ Sutures are specifically designed for dentists ensuring efficient and reliable soft tissue closure. 300 Series Stainless Steel, the ideal alloy for dental suture needles, ensures a strong sharp needle pass after pass.

Learn more about our complete Sutures Portfolio.

Premium Cut		Regular Cut			
C-1 10.7 mm 3/8 Circle Premium Reverse Cut		C-4 12.7 mm 1/2 Circle Reverse Cut		C-9 23 mm 1/2 Circle Reverse Cut	
C-3 13 mm 3/8 Circle Premium Reverse Cut		C-6 18.7 mm 3/8 Circle Reverse Cut		C-17 12 mm 3/8 Circle Reverse Cut	
		C-7 24.3 mm 3/8 Circle Reverse Cut		C-19 18.3 mm 1/2 Circle Reverse Cut	
				D-14 17.5 mm 1/2 Circle Cutting End Taper	
				T-4 22.2 mm 1/2 Circle Taper Point	
				T-28 17.5 mm 1/2 Circle Taper Point	

Needles Cross Reference Chart

Hu-Friedy	Ethicon	Promed, Davis & Geck/USSC	Look, Patterson	Havel, Henry Schein
C-1	P-1	PRE-1	C-1	C-1
C-3	P-3	PRE-2	C-3	C-3
C-6	FS-2, PS-2	CE-4, PRE-4	C-6, PCV-31	C-6, PC-31
C-7	FS-1, PS-1	CE-6, PRE-6, DS-26, DSS-2	C-8	C-7, C-33
C-9	X-1	C-30	C-20, C-21	C-9, C-31
C-17	C-3	CE-2	C-17	C-17, C-16
C-19	J-1		C-19	C-19
C-22	FS-3, PS-3	CE-3, PRE-3	C-22	C-22, PC-34
C-43	X-8		C-19, C-26	C-26, C-43
D-14	V-5	DT-31, CV-332	D-14	D-14, Y-5
T-28	RB-1	T-31, CV-331	T-28	

Ethicon is a trademark of Johnson and Johnson
Promed and Look are trademarks of Surgical Specialties
Covidien / USSC are trademarks of Covidien
Havel is a trademark of Havel, Inc.



Absorbable

Plain Gut



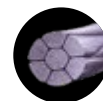
Plain Gut Perma Sharp™ Sutures	
12 per box	
4-0 Gut, Plain 18" C-3 3/8 Circle Premium	PSN1644A
3-0 Gut, Plain 18" C-9 1/2 Circle Reverse Cut	PSN612A
5-0 Gut, Plain 18" C-3 3/8 Circle Premium	PSN686A
5-0 Gut, Plain 18" C-19 1/2 Circle	PSN723A
6-0 Gut, Plain 18" C-1 3/8 Circle Premium	PSN774A
4-0 Gut, Plain 18" C-6 3/8 Circle Reverse Cut	PSN7771A
3-0 Gut, Plain 27" C-7 3/8 Circle	PSNH810A
5-0 Gut, Plain 27" C-6 3/8 Circle	PSNH820A
4-0 Gut, Plain 27" C-6 3/8 Circle	PSNH821A
3-0 Gut, Plain 27" C-6 3/8 Circle	PSNH822A

Chromic Gut



Chromic Gut Perma Sharp™ Sutures	
12 per box	
4-0 Gut, Chromic 18" C-3 Premium	PSN1654C
6-0 Gut, Chromic 18" C-1 Premium	PSN1816C
5-0 Gut, Chromic 18" C-17 3/8 Circle	PSN385C
4-0 Gut, Chromic 18" C-17 3/8 Circle	PSN386C
5-0 Gut, Chromic 27" C-6 3/8 Circle	PSN634C
4-0 Gut, Chromic 27" C-6 3/8 Circle	PSN635C
3-0 Gut, Chromic 27" C-6 3/8 Circle	PSN636C
5-0 Gut, Chromic, 18" C-3 3/8 Circle Premium Reverse Cut	PSN687C
5-0 Gut, Chromic 27" T-28 1/2 Circle Taper	PSNU202C

PGA



PGA Perma Sharp™ Sutures	
12 per box	
4-0 PGA, Violet 27" D-14 1/2 Circle	PSN271V
6-0 PGA, Violet 27" T-28 1/2 Circle	PSN302V
5-0 PGA, Violet 27" T-28 1/2 Circle	PSN303V
4-0 PGA, Violet 27" T-28 1/2 Circle	PSN304V
5-0 PGA, Undyed 18" C-17 3/8 Circle	PSN385V
4-0 PGA, Undyed 18" C-17 3/8 Circle	PSN386V
6-0 PGA, Violet 18" C-22 3/8 Circle	PSN387V
5-0 PGA, Violet 18" C-22 3/8 Circle	PSN388V
4-0 PGA, Violet 18" C-22 3/8 Circle	PSN389V
4-0 PGA, Violet 18" C-6 3/8 Circle	PSN392V
3-0 PGA, Violet 18" C-6 3/8 Circle	PSN393V
4-0 PGA, Violet 27" C-6 3/8 Circle	PSN397V
5-0 PGA, Undyed 27" C-6 3/8 Circle	PSN421V
4-0 PGA, Undyed 27" C-6 3/8 Circle	PSN422V
3-0 PGA, Violet 27" C-9 1/2 Circle	PSN460V
6-0 PGA, Undyed 18" C-1 3/8 Circle Premium	PSN489V
5-0 PGA, Undyed 18" C-1 3/8 Circle Premium	PSN490V
6-0 PGA, Undyed 18" C-3 3/8 Circle Premium	PSN492V
5-0 PGA, Undyed 18" C-3 3/8 Circle Premium	PSN493V
4-0 PGA, Undyed 18" C-3 3/8 Circle Premium	PSN494V
5-0 PGA, Undyed 18" C-19 1/2 Circle	PSN723V
4-0 PGA, Undyed 18" C-19 1/2 Circle	PSN724V

PGA Fast Absorbable



PGA FA Perma Sharp™ Sutures	
12 per box	
4-0 PGAFA, Undyed 18" C-3 3/8 Premium Reverse Cut	PSN510FA
5-0 PGAFA, Undyed 18" C-3 3/8 Premium Reverse Cut	PSN515FA
4-0 PGAFA, Undyed 18" C-6 3/8 Premium Reverse Cut	PSN525FA
5-0 PGAFA, Undyed 27" C-6 3/8 Premium Reverse Cut	PSN530FA
4-0 PGAFA, Undyed 18" C-6 3/8 Reverse Cut	PSN535FA
3-0 PGAFA, Undyed 18" C-6 3/8 Reverse Cut	PSN540FA
3-0 PGAFA, Undyed 18" C-9 1/2 Reverse Cut	PSN585FA

Suture Material Cross Reference Chart

Hu-Friedy	Sharp/Point/Look	Ethicon	Material
Gut, Plain	Plain Gut	Surgical Gut	Natural Absorbable Gut
Gut, Chromic	Chromic Gut	Surgical Gut	Natural Absorbable Gut
PGA Undyed	PolySyn/PGA	Vicryl Undyed	Coated, Braided Synthetic Absorbable
PGA-Violet		Vicryl Violet	Coated, Braided Synthetic Absorbable
PGA Fast Absorbable	PolySyn Fast Absorbable	Vicryl Rapide	Coated, Braided Synthetic Fast Absorbable
Black Mono Nylon	Nylon	Ethilon	Non-Absorbable Monofilament Nylon
Propopylene	Polypropylene	Prolene	Non-Absorbable Monofilament
Polyester Green Braided	Polyviolene	Ethibond	Non-Absorbable Braided Polyester
Silk Black Braided	Silk	Perma-Hand Silk	Non-Absorbable Braided Silk

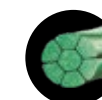
Non-absorbable

Silk



Silk Perma Sharp™ Sutures	
12 per box	
5-0 Silk, Black 18" C-22 3/8 Circle	PSN1628S
4-0 Silk, Black 18" C-9 1/2 Circle	PSN631S
3-0 Silk, Black 18" C-9 1/2 Circle	PSN632S
5-0 Silk, Black 18" C-3 3/8 Circle Premium	PSN640S
4-0 Silk, Black 18" C-3 3/8 Circle Premium	PSN641S
6-0 Silk, Black 18" C-22 3/8 Circle	PSN681S
5-0 Silk, Black 18" C-6 3/8 Circle	PSN682S
4-0 Silk, Black 18" C-6 3/8 Circle	PSN683S
3-0 Silk, Black 18" C-7 3/8 Circle	PSN684S
5-0 Silk, Black 18" C-17 3/8 Circle	PSN719S
3-0 Silk, Black, 18", C-19, 1/2 Circle	PSN733S
4-0 Silk, Black 27" T-4 1/2 Circle	PSN7342S
3-0 Silk, Black 27" T-4 1/2 Circle	PSN7343S
4-0 Silk, Black 18" C-19 1/2 Circle	PSN734S
4-0 Silk, Black 18" C-17 3/8 Circle	PSN736S
2-0 Silk, Black 18", C-9, 1/2 Circle Reverse Cut	PSN737S
3-0 Silk, Black 18" C-43 1/2 Circle	PSN7762S
4-0 Silk, Black 18" C-43 1/2 Circle	PSN7763S
5-0 Silk, Black 18" C-43 1/2 Circle	PSN7764S
3-0 Silk, Black 18" C-6 3/8 Circle	PSN7772S
5-0 Silk, Black 27" T-28 1/2 Circle	PSN870S
4-0 Silk, Black 27" T-28 1/2 Circle	PSN871S
3-0 Silk, Black 27" T-28 1/2 Circle	PSN872S
4-0 Silk, Black 27" D-14 1/2 Circle Reverse	PSN952S
3-0 Silk, Black 27" D-14 1/2 Circle Reverse	PSN953S

Nylon



Nylon Perma Sharp™ Sutures	
12 per box	
5-0 Nylon, Black Mono 18" C-6 3/8 Circle	PSN661N
4-0 Nylon, Black Mono 18" C-6 3/8 Circle	PSN662N
5-0 Nylon, Black Mono 18" C-3 Premium	PSN698N

Polypropylene



Polypropylene Perma Sharp™ Sutures	
12 per box	
5-0 Polypropylene, Blue 18" D-14 End Cut	PSN7773P
5-0 Polypropylene, Blue 18" C-4 1/2 Circle	PSN8245P
6-0 Polypropylene, Blue 18" C-17 3/8 Circle	PSN8384P
5-0 Polypropylene, Blue 18" C-17 3/8 Circle	PSN8385P
5-0 Polypropylene, Blue 18" C-22 3/8 Circle	PSN8614P
6-0 Polypropylene, Blue 18" C-22 3/8 Circle	PSN8660P
5-0 Polypropylene, Blue 18" C-6 3/8 Circle	PSN8661P
4-0 Polypropylene, Blue 18" C-6 Premium	PSN8683P
6-0 Polypropylene, Blue 18" C-3 Premium	PSN8695P
7-0 Polypropylene, Blue 18" C-1 Premium	PSN8696P
6-0 Polypropylene, Blue 18" C-1 Premium	PSN8697P
5-0 Polypropylene, Blue 18" C-3 Premium	PSN8698P
5-0 Polypropylene, Blue 18" T-28 Taper	PSN8756P

Polyester



Polyester Perma Sharp™ Sutures	
12 per box	
3-0 Polyester, Green 27" D-14 1/2 Circle	PSN6953L
5-0 Polyester, Green 18" D-14 End Cut	PSN7773L
4-0 Polyester, Green 18" C-6 3/8 Circle	PSNR683L
5-0 Polyester, Green 18" C-3 3/8 Circle	PSNR698L
3-0 Polyester, Green 18" C-6 3/8 Circle	PSNR7772L


PTFE



PTFE Perma Sharp™ Sutures	
12 per box	
3-0 PTFE, 18" C-6 3/8 Circle Reverse Cut	PSNPTFE1
3-0 PTFE, 18" C-22 3/8 Circle Reverse Cut	PSNPTFE2
4-0 PTFE, 18" C-6 3/8 Circle Reverse Cut	PSNPTFE3
4-0 PTFE, 18" C-3 3/8 Circle Reverse Cut Premium	PSNPTFE4
4-0 PTFE, 18" C-17 3/8 Circle Reverse Cut	PSNPTFE5
4-0 PTFE, 18" C-22 3/8 Circle Reverse Cut	PSNPTFE6
5-0 PTFE, 18" C-1 3/8 Circle Reverse Cut Premium	PSNPTFE7
5-0 PTFE, 18" C-3 3/8 Circle Reverse Cut Premium	PSNPTFE8
5-0 PTFE, 18" C-17 3/8 Circle Reverse Cut	PSNPTFE9
6-0 PTFE, 18" C-1 3/8 Circle Reverse Cut Premium	PSNPTFE10
6-0 PTFE, 18" C-3 3/8 Circle Reverse Cut Premium	PSNPTFE11
6-0 PTFE, 18" C-17 3/8 Circle Reverse Cut	PSNPTFE12

Syringes

Ergonomic aspirator designs and various tip diameters allow for precision suction, helping to remove blood and fragments of tissue and bone without obstructing access to the surgical site.

 Learn more about our [Syringes](#).



Aqua-Fix Irrigating Syringe
21 cm **IS**

Aqua-Fix Syringe Tip
PTIST



Needle Cover Holder-Modified
STKSKLS



Bulb For Water Syringe
PTISB



Bone Grafting Syringe
7mm **SYBG**



Type A Anesthetic Aspirating Syringe
1.8 ml **SYRA**



Cook-Waite Anesthetic Aspirating Syringe
1.8 ml **SYRCW**

Tissue Pliers

Our selection of Tissue Pliers are designed to grasp and stabilize soft tissue during suturing. Available in plain, 1x2, and multiple teeth, our portfolio offers a variety of designs to accommodate clinician preferences.



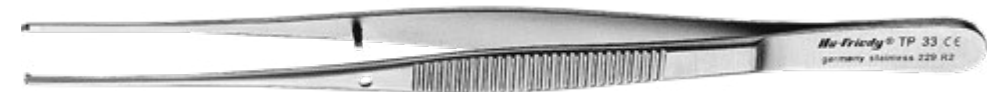
Tissue Plier 1x2, Curved, Fine
14.2 cm **TPA**



16 Hu-Friedy Tissue Pliers
15 cm **TP16**



32 Semkin-Taylor Tissue Pliers
12.5 cm, Straight **TP31**
12.5 cm, Curved **TP32**



34 Semkin-Taylor Tissue Plier 1x2
12.6 cm, Straight **TP33**
12.6 cm, Curved **TP34**



41 Adson Plain Tissue Pliers

12 cm

TP41



42 Adson 1x2 Tissue Pliers

12 cm

TP42



43 Adson-Brown Tissue Pliers

12 cm, Straight

TP43

12 cm, Angled

TP43A



50 Fox Tissue Plier

15.24 cm, Locking

TP50L

15.24 cm, Non-Locking

TP50



Adson 1x2 Tissue Pliers

15.24 cm

TPA15



Gerald Tissue Pliers, Straight/Serrated

17.78 cm

TPG1



Gerald 1x2 Tissue Pliers, Straight

17.78 cm

TPG3



Gerald 1x2 Tissue Pliers, Curved

17.78 cm

TPG4



Kramer-Nevins 1x2 Tissue Pliers, Curved

12.5 cm

TPKN



Adson Micro 1x2 Tissue Pliers

12.2 cm

TPMSA



Russian Tissue Pliers

15.24 cm

TPR6



Russian Tissue Pliers

20.32 cm

TPR8



Corn Suture Pliers

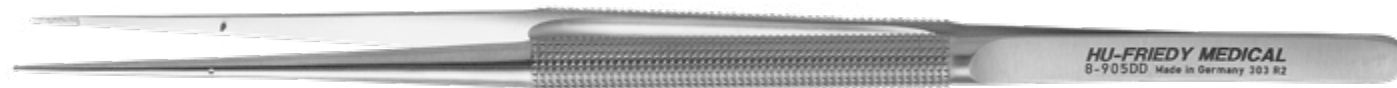


20 Corn Suture Plier
15.24 cm **SP20**

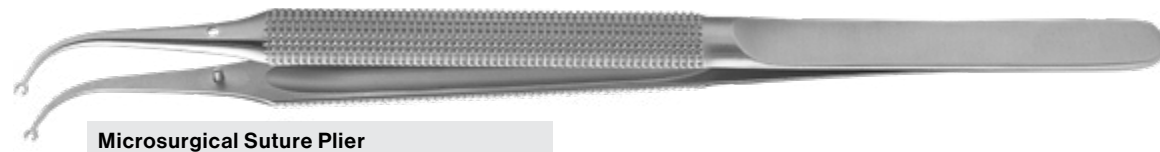


Corn Suture Plier
15.24 cm **SP20SLEM**

Microsurgical Tissue Pliers



Diamond Dusted Plain Micro Tissue Pliers, Straight
17.78 cm **8-905DD**



Microsurgical Suture Plier
15 cm **SPM20**



Swiss Perio Microsurgical Plier, Anatomical
18.1 cm **SPTDAPV**



Swiss Perio Microsurgical Plier, Straight
18.1 cm **SPTDSSPV**



Titanium Micro Tissue Plier, Straight
18 cm **TPASTMBH**



Anatomic Microsurgical Tissue Plier
18 cm **TPDAPV**



1x2 Curved Diamond Dusted Stainless Steel
17.78 cm **TPDSCPV**



Microsurgical Tissue Plier, Straight
18.1 cm **TPDSSPV**



Schlee Micro Tissue Plier, Straight
18.1 cm **TPSLASCHLE**



Micro Cooley Tissue Plier, Curved, SinusLine
18 cm **TPSLCOCMN**



Micro Tissue Plier, Straight
17.78 cm **TPSLCOSM**



Micro Schlee Tissue Plier, Straight
17.78 cm **TPSLSSCHLE**



1x2 Diamond Dusted Titanium Tissue Plier,
17.78 cm, Straight **TPSSTMBH**
18 cm, Curved **TPCSTMBH**

Perma Sharp™ Tissue Pliers
Include tungsten carbide beaks.



Adson Perma Sharp™ Tissue Plier
12.07 cm **TP5041**



Adson 1x2 Perma Sharp™ Tissue Plier
12.07 cm **TP5042**



Adson-Brown Perma Sharp™ Tissue Plier
12.07 cm **TP5043**



Gerald Perma Sharp™ Tissue Plier
17.78 cm **TP5050**



Gerald 1x2 Perma Sharp™ Tissue Plier
17.78 cm **TP5051**



Cushing Perma Sharp™ Tissue Plier
17.78 cm **TP5060**



Cushing Perma Sharp™ Tissue Plier, Angled
17.78 cm **TP5061**



Cushing Bayonet Perma Sharp™ Tissue Plier
19.05 cm **TP5062**



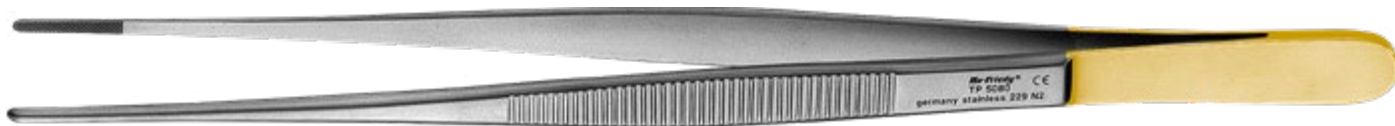
General Perma Sharp™ Tissue Plier
15.24 cm TP5070



General 1x2 Perma Sharp™ Tissue Plier
15.24 cm TP5071



Perma Sharp™ Tissue Plier
15.3 cm TP5072



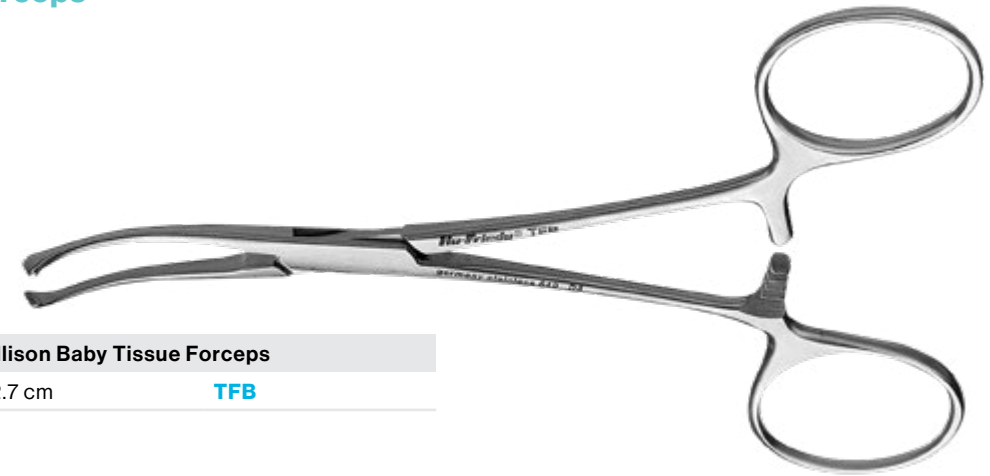
Potts-Smith Perma Sharp™ Tissue Plier
17.78 cm TP5080



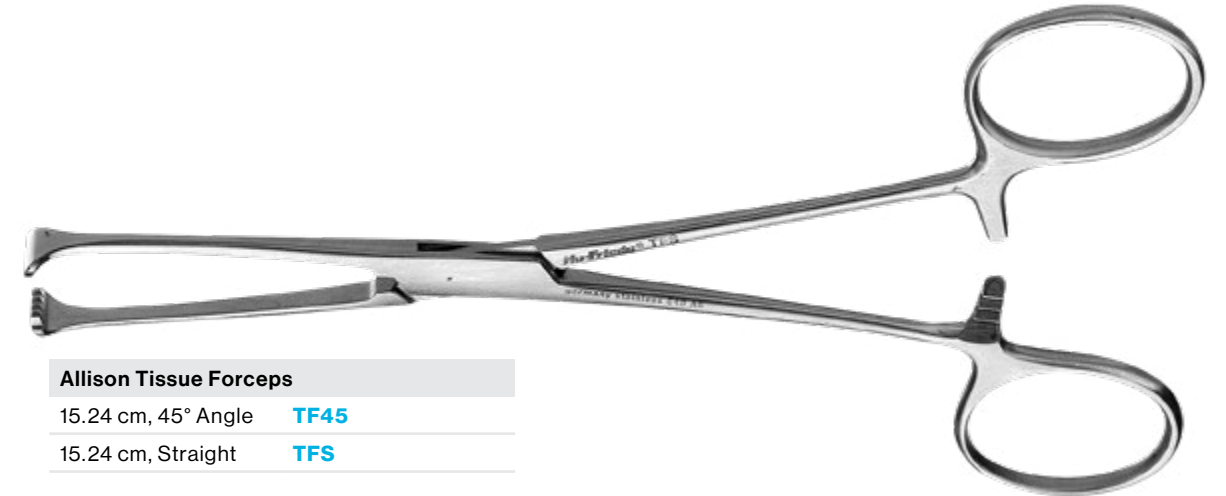
DeBakey Perma Sharp™ Tissue Plier
15.24 cm TP5090
19.05 cm TP5091



Tissue Forceps



Allison Baby Tissue Forceps
12.7 cm TFB

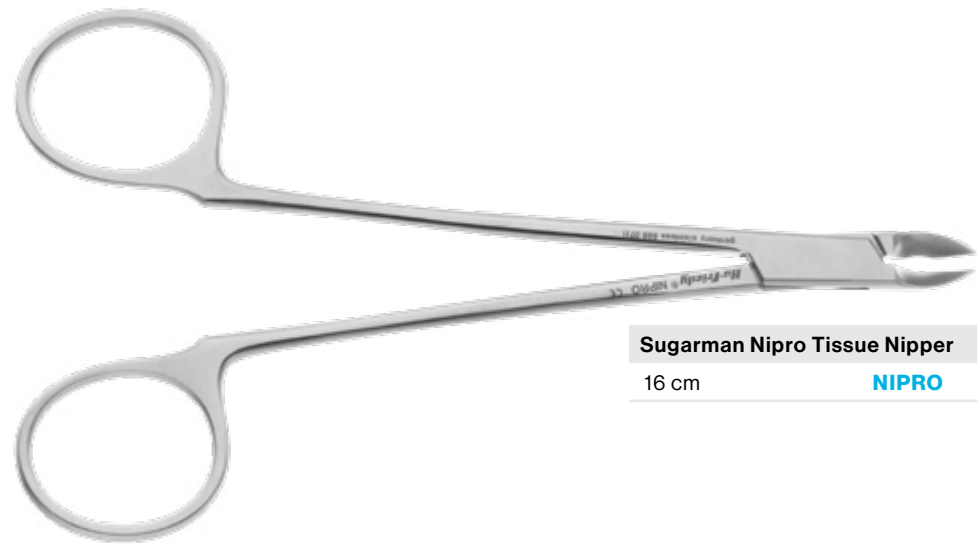


Allison Tissue Forceps
15.24 cm, 45° Angle TF45
15.24 cm, Straight TFS

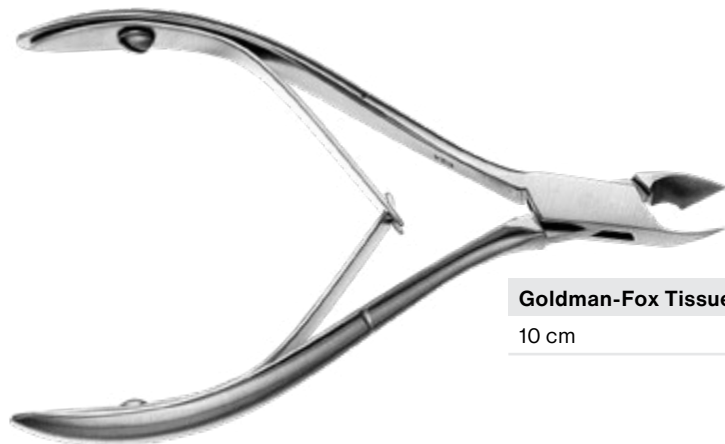
Tissue Nippers

Our selection of Tissue Nippers are designed to separate and/or remove softer tissues during surgical procedures.

Towel Clamps



Sugarman Nipro Tissue Nipper
16 cm **NIPRO**



Goldman-Fox Tissue Nippers
10 cm **NIPS**



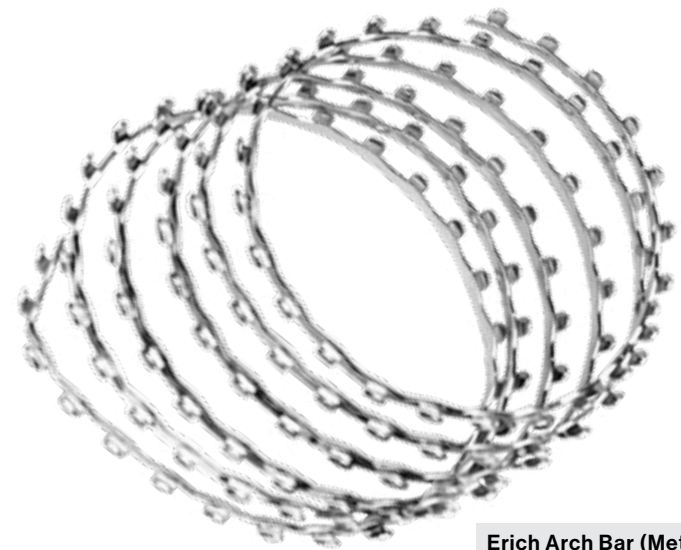
Backhaus Towel Clamp
8.26 cm **TC3**



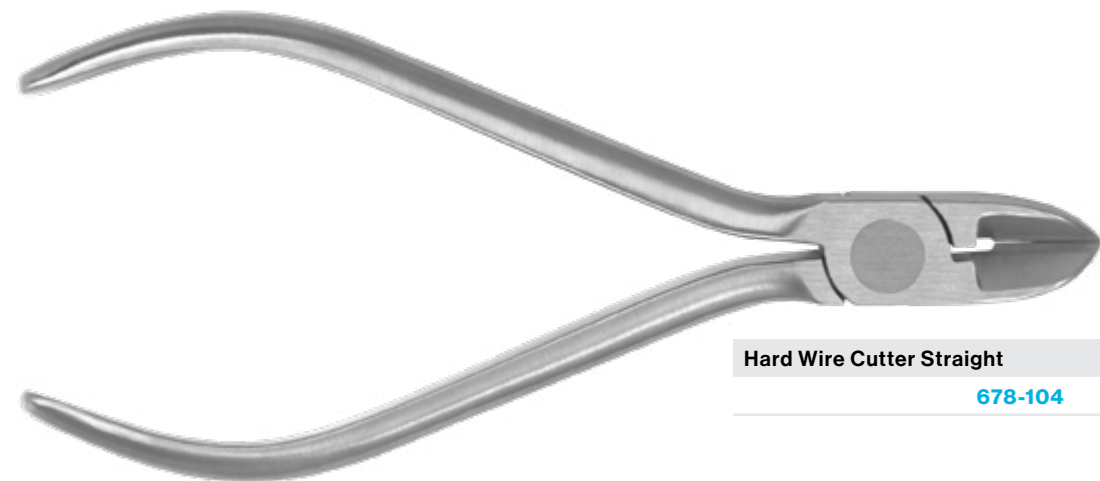
Backhaus Towel Clamp
12.7 cm **TC5**

Wire Products

Wire Twisters & Scissors



Erich Arch Bar (Meter Coil)
WPAB



Hard Wire Cutter Straight
678-104



Wire Cutting Scissors, Angled
12.2 cm
WCS



Smith Wire Cutting Scissors
15.3 cm [WCSS](#)



Wire Twister Delicate
15.4 cm [WTD6C](#)
18 cm [WTD7C](#)

The Best In Practice