

LASCHAL[®]
SURGICAL

Expect Reliable[™]

Sonic Steel[®] Portfolio 2026



Thank you for taking the time to review our portfolio. At Laschal Surgical, everything is second to none. The product, the service, this portfolio, and especially our team. If we aren't setting the bar, we are falling short of it. This document has been thoughtfully designed with you in mind. Proudly, I have spent in excess of 3,000 hours over the last eight years writing, rewriting, adding and taking away, taking pictures and shooting videos... Design and innovation of new instruments, many of them at the request of you and your colleagues is what we do best. Some of our most innovative ideas come from clinicians at all points in their careers, from the Masters to the Residents. If you have an idea, or a solution to a problem and would love to see it made, don't hesitate to approach us. We love to tinker, and prototyping is fun!

Powered by our proprietary stainless alloy, this is a portfolio of instruments you will not find anywhere else. Independent studies conducted at UCLA, Yale, Michigan and RIH can be found on pg 39.

*Thank you,
Dan Lasner, CEO*

Great solutions to common problems

- Needle Holders that never get stuck or snag the suture
- Truly atraumatic tissue forceps
- Painless suture removal
- The most reliable tissue scissors
- Simplified tactile canal location
- Separated endo file retrieval that makes sense, and works!
- Placing periosteal stabilization sutures without interrupting graft material
- Root tip removal made easy
- Guided bone graft placement prevents loss of material during placement
- Safely stabilize connective tissue graft for manipulation and trimming
- Eliminate the fumble factor during implant component installation
- Save time placing grafts in a surgical tunnel

SUTURING

Snagless® Needle Holders	Pg 4
Thumlok® Needle Holders	Pg 5
Cutting Edge Castroviejo	Pg 6
Advanced Olsen Hegar	Pg 7
Niemczyk Suture Set	Pg 8
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Lasner® Tissue Forceps	Pg 13

SCISSORS

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INDEPENDENT STUDIES

Laschal®ScissorsCut Cleaner Pg39
Yale Medical, Dardik Lab

More Reliable Over Time
LA Biomed Research Inst, UCLA

Tissue Forceps Testing
RIH Orthopedic Foundation

Separated Endo File Removal
University of Michigan

SUTURE REMOVAL

2-in-1 Suture Scissors/Forceps	Pg 14
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Tactile Endo File Forceps	Pg 34
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RESTORATIVE

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Crown Removal Forceps	Pg 19
Crown Placement Forceps	Pg 19

Warranty and Repair Form



The LASCHAL® SWITCH

Earn up to \$100 per instrument, by trading in old and broken ones for new Sonic Steel units
Scan the code to get started



WANT A BETTER CASTRO?

SNAGLESS® Needle Holders



TCL/R 15.5cm

- Snagless™ - No cross-joint at the tips to snag a suture while tying the knot
- Doesn't bend out of shape
- Redesigned traditional Castroviejo lock w ithstands the test of time



TUNGSTEN CARBIDE (TC) JAWS 3-0 to 6-0

TCL/R ***Most Popular

TCLC/R

7-TCL/R

7-TCLC/R

MICRO TC 7-0 TO 11-0

TCLR/MM

TCLCR/MM

7TCLR/MM

7TCLCR/MM

15.5cm

straight

15.5cm curved

18cm straight

18cm curved

DO YOU HATE THE CASTRO LOCK?

Thumlok®

CASTRO... REPLACED



7-TCLR/TL 18.2cm

- This locking mechanism *CAN'T GET STUCK*
- Works perfectly in left or right hand
- Automatically locks when you want, no fumbling
- Snagless™ - No cross-joint at the tips to snag the suture during an instrument tie
- When locked, Thumlok® acts as a pivotal point for your thumb, allowing you to suture in wisdom territory with ease

15.5cm straight
15.5cm curved
18cm straight
18cm curved

TUNGSTEN CARBIDE (TC) JAWS
3-0 to 6-0

TCLR/TL
TCLCR/TL
7-TCLR/TL *Most Popular**
7-TCLCR/TL

MICRO TC
7-0 TO 11-0

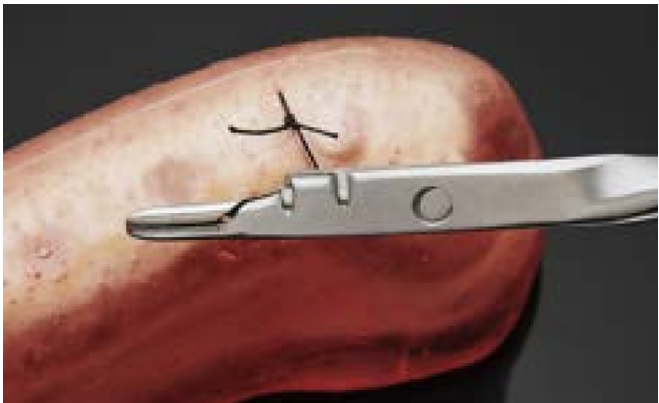
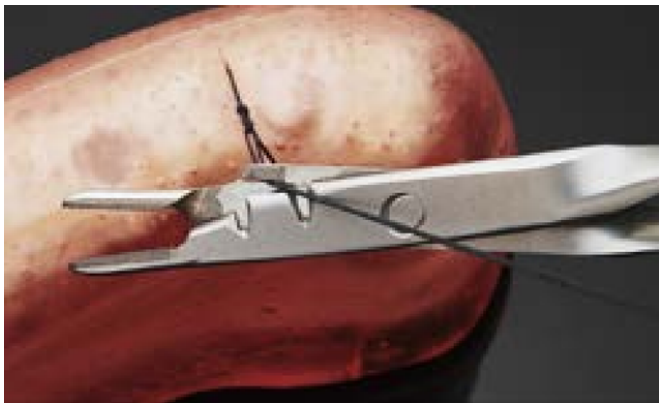
TCLRMM/TL
TCLCRMM/TL
7TCLRMM/TL
7TCLCRMM/TL

CUTTING EDGE® Castroviejo

Built-in Guillotine for Cutting Sutures After Tying the Knot



- Suture slot holds the suture in place
- Cutting blade severs the suture cleanly
- Available with standard or micro TC jaws

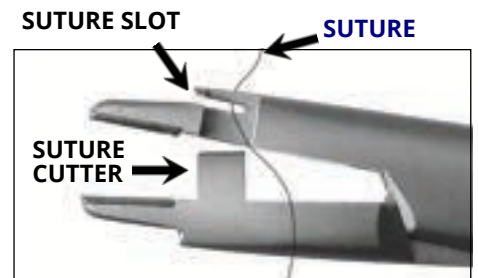


	Castroviejo		THUMLOK®	
	Standard TC	Micro TC	Standard TC	Micro TC
15.7cm straight	6-10RL	610RL/MM	6-10RL/TL	610RLTL/MM
15.7cm curved	6-10RLC	610RLC/MM	6-10RLC/T	610RLCTL/M
18.2cm straight	7-10RL	710RL/MM	7-10RL/TL	710RLTL/MM
18.2cm curved	7-10RLC	710RLC/MM	7-10RLC/TL	710RLCTL/MM

CUTTING EDGE® Mayo

"Olsen-Hegar's Hot Cousin"

Compared to the traditional Olsen-Hegar needle holder, Laschal's Guillotine Suture Cutter is 80% closer to the tip of the driver, and requires less clearance when opening to cut the suture,



It cuts when it closes

2-332-12



**Tungsten Carbide
12.5cm**

**CGS 4/0 - 7/0
SILK 3/0 - 8/0**

2-331-20

****Most Popular*



**Tungsten Carbide
16.5cm**

**CGS 0 - 5/0
SILK 1 - 4/0**

2-335-20



**Tungsten Carbide
18cm**

**CGS 0 - 5/0
SILK 1 - 4/0**

NIEMCZYK SUTURE SET

A unique micro-suturing instrument set,
designed by Dr. Stephen Niemczyk, DMD

SET-NIEMCZYK

7-0 to 11-0 Sutures

***Fifth Model not pictured
Model # DS-1
Straight Vannas Scissors
See page 18



Serrated / Gold Handles



Diamond Tips



- Five instruments, and a sterile case
- Needle Holders (curved & straight), tissue forceps, scissors
- Ultra-micro, diamond tipped Needle Holders
- Custom tissue forceps with tungsten carbide tips
- Laschal's finest tissue scissors: 51-12-30C and DS-1
- Serrated gold plated handles for superior grip and feel
- Scissors not coated for safe ID, flat handles for stability

THE ASSISTANT'S SUTURE CUTTER

Safety first,
WITH teamwork



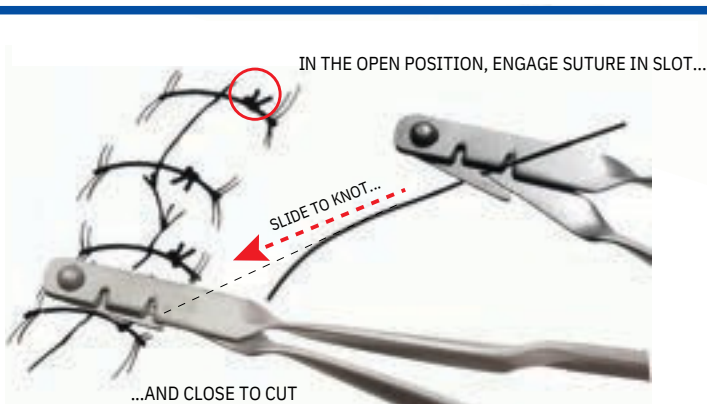
SC-1 15.75cm

CGS 4-0 - 8-0
SILK 3-0 - 7-0

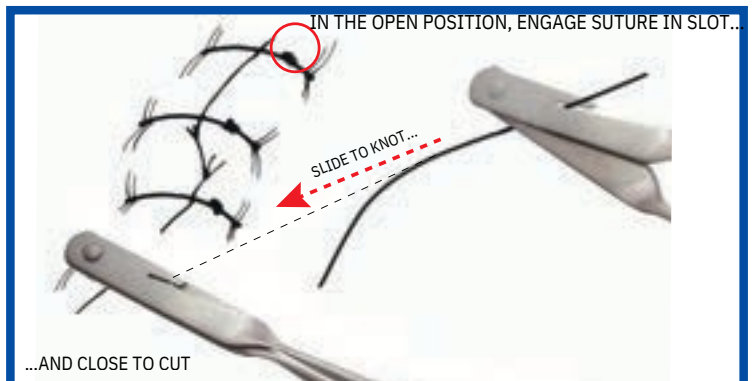
*Call for other
available sizes



- No sharp point or edge to potentially cause injury
- Uses the suture to slide down towards the knot
- Suture knot stops the cutter in its tracks
- Assistant slides the cutter down, doc says when to cut



FACE UP - leaves 1mm tag above the knot



FACE DOWN - cuts flush to the knot, w/o damage

SUTURE NEEDLE GUIDANCE

Diamond-tipped CORN Forceps Guarantee

Precise Needle Placement When Suturing



The tips of the forceps gently grasp tissue and attached gingivae. Suture needles are guided through the grooves, allowing proper positioning

CORN/45B*Most Popular**

Diamond Tips

Corn Forceps with 45° angle and diamond dust for slip resistance 15cm



Diamond Tips

CORN/45

CornForceps with 45° curve and diamond dust for slip resistance 17cm



Diamond Tips

CORN

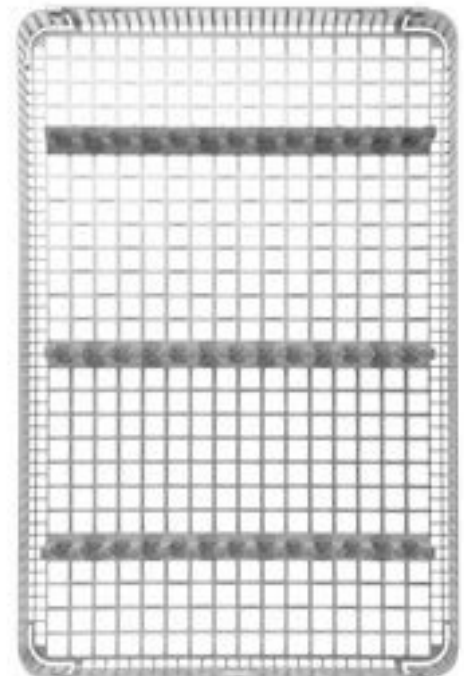
CornForceps with *traight* tips and diamond dust for slip resistance 15.25cm



Sonic Steel Sterile Washbasket

This sterile washbasket is just as impressive as our instruments. Smart, passive design for proper draining

ST-WASHBASKET



Advanced Tissue Forceps

Zero tissue trauma. Reliable knot-tying.

Soft on tissue, perfect for passing a needle and completing a suture tie in limited access areas

Independent study on page 39 - Rhode Island Hospital



- Use in your non-dominant hand for tissue manipulation and suturing
- Requires 2-3 newtons of pressure to gently stabilize tissue
- Tungsten carbide jaws and 18cm length allows for easily secured needles and sutures for knot-tying in all areas
 - Think: "ship in a bottle knot tying"



PLAF/R/F

- **18cm**
- **Tungsten Carbide**

Tips

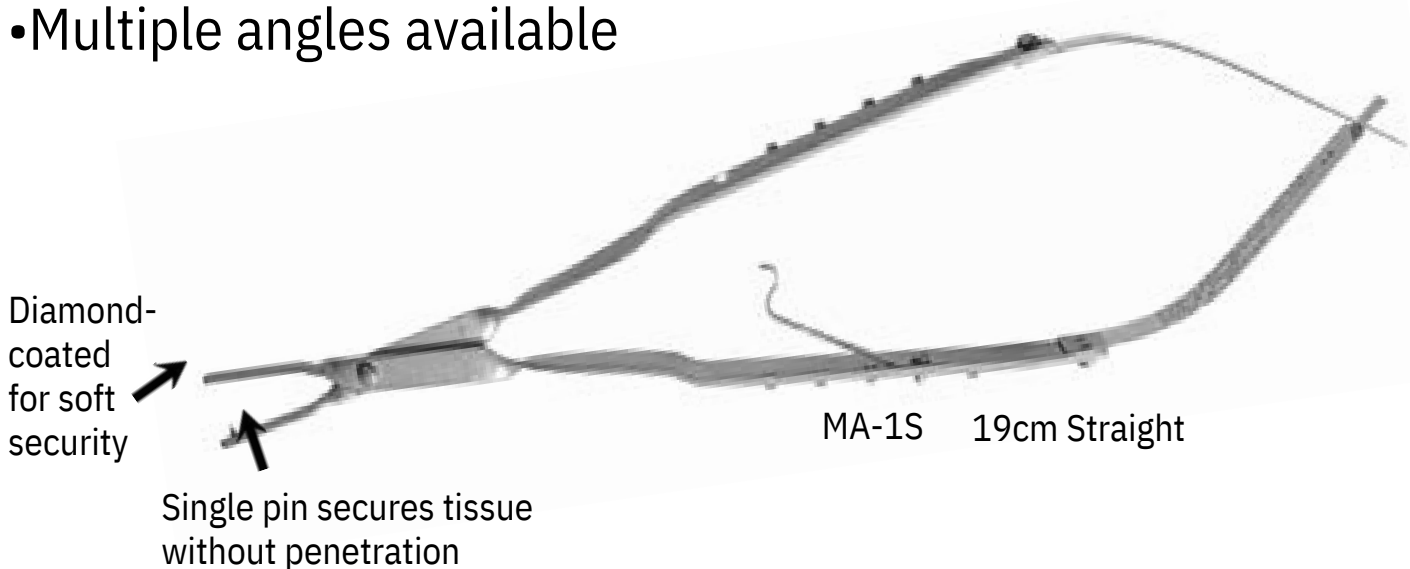


Dr. LASNER's FORCELESS® FORCEPS

LOSE THE FORCE™

Manage tissue and preserve blood flow with zero potential damage

- ZERO pressure applied to tissue
- ZERO crushing - preserves blood flow
- Slip-proof and self-locking
- Multiple angles available

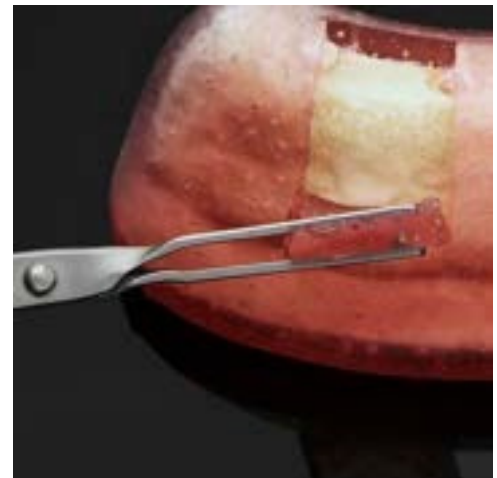


2mm space between locked jaws avoids crushing, and preserves blood-flow →

MA1-45 19cm N/S



MA1-45P 19cm E/W



SUTURE REMOVAL WITH ONE HAND

Leaves your other hand
free to stabilize the patient



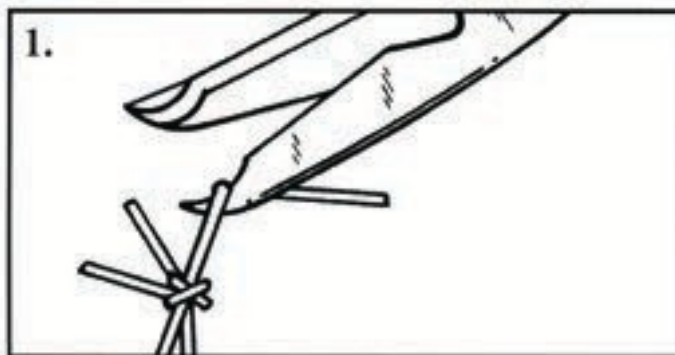
Secure, cut, and remove
sutures with one instrument

The Forceps

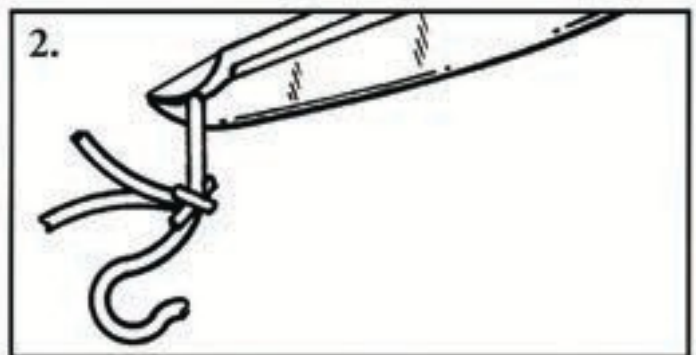
The Scissors



N-103F 16cm 30° Angle



1. Engage the suture on the right-hand side of the knot. DO NOT PULL



2. When you close, hold tightly in the closed position, and pull the suture out

HOOKED LITTAUER SCISSORS

The most narrow littauer scissors

Greatly reduces patient discomfort. The ultra-fine hook is only 0.2mm wide. It displaces 90% less tissue than any other, and reduces potential bleeding.

N-6 14.5cm straight



N-6A 14.4cm 45° angle



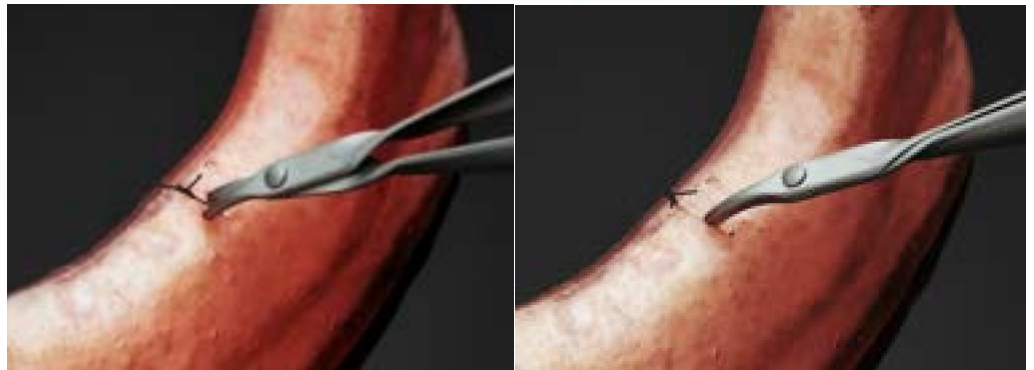
SofTouch® Suture Scissors

Truly Painless Suture Removal

A patient's last experience in your office shouldn't be painful; happy patients are more likely to refer



N-4CXF	14.25cm	Curved
N-4XF	14.25cm	Straight
N-4CXF-7	18cm	Curved



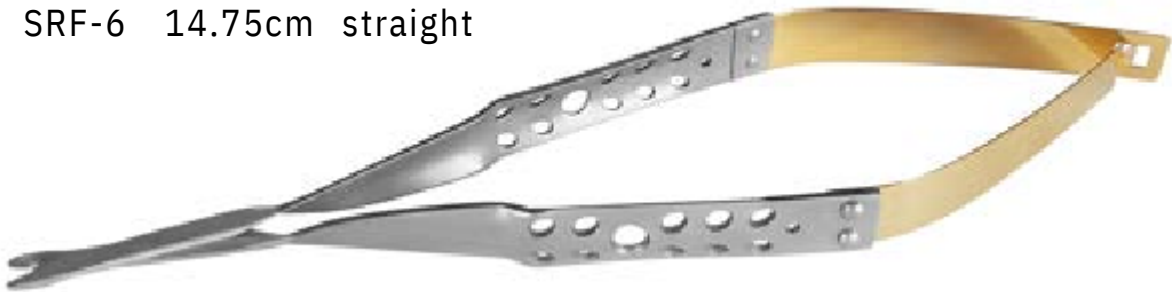
- Safely cut sutures without poking or irritating tissue
- Ball-point tips softly move tissue aside
- Gently blunt-dissect borders to reveal buried sutures
- Enhanced tactile touch lets you know when you've located a buried suture
- Straddle suture with tips, and squeeze to cut



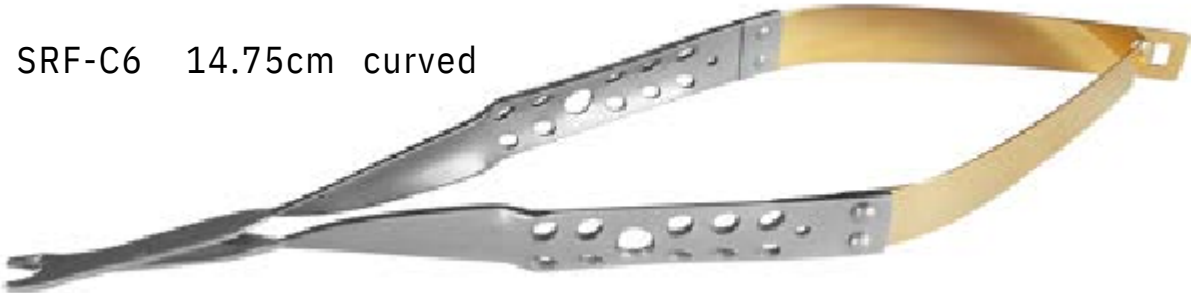
SoftTouch® Suture Forceps

Rounded ballpoint tips promote atraumatic searching. Diamond coated jaws easily grasp all size sutures

SRF-6 14.75cm straight



SRF-C6 14.75cm curved



SRF-C6 Curvature
Profile



Diamond
Tips



- Pushes tissue aside and only grabs suture
- Universal for all suture sizes and materials
- Soft, rounded tips for gentle application
- Diamond coated for superior grip

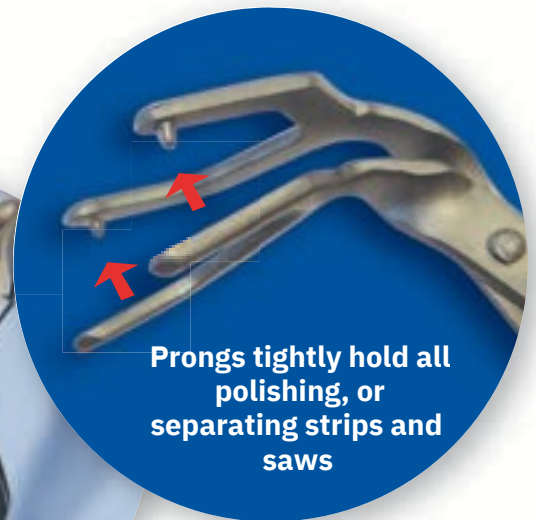
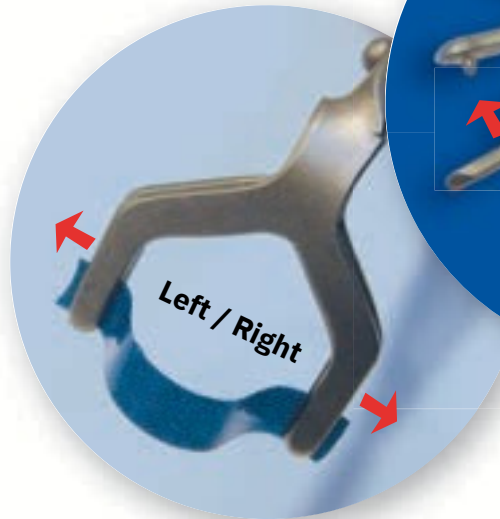
POLISHING AND BREAKING CONTACT POINTS

Takes All Strips Out of the Fingers, and the Fingers Out of the Mouth



LW/L 15.3cm

Loop polishing strip to access all restored surfaces. Or with articulating paper to uncover excessive contact during try-ins



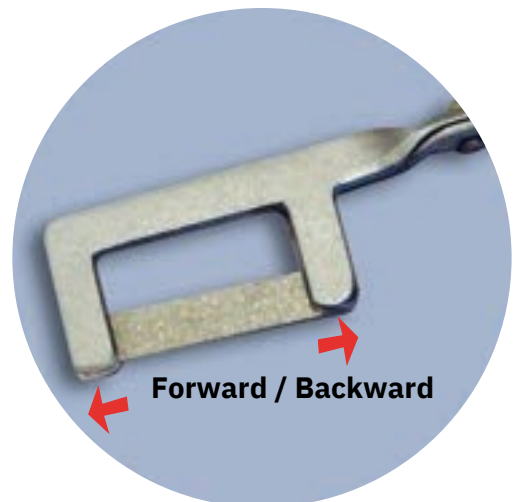
Prongs tightly hold all polishing, or separating strips and saws

LW/L-ST 17cm

Prongs are in line with handle - more efficient for use with separating strips or saws



- Reduces incidence of soft tissue trauma
- Greater economy - use shorter strips for each procedure (up to 5 uses per strip)
- Greater ergonomics - easy to prepare and use



Forward / Backward

RESTORATIVE FORCEPS

POINTS

45-S 15cm

For placement and removal of points. Apply a modest amount of pressure for a soft, firm grip



CROWN REMOVAL

45CCR 15cm

Crowns, cores and bridges. Facilitates removal of temporary crowns. Apply firm pressure for removal



CROWN PLACEMENT - NEVER DROP A CROWN AGAIN

CDF 15cm

Allows application of cement and vaseline for easy delivery and cleanup. Spread open from within, to load and release.

DO NOT SQUEEZE



LIQUID SCISSORS

The most amazing perio scissors
you will ever know



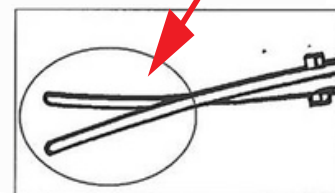
YALE Medical - "They cut cleaner, longer"
UCLA Harbour - "They survive sterilization"

Pg 39

HyperCurve
51-12-30C 13.75cm



**CROSSING
BLADES**



- Accelerated crossing of blades = the most reliable cut
- Creates beautiful margins for suturing
- Excellent for cutting papilla
- Perfect for de-epithelializing tissue and scalloping granulation tissue

71-15-30C

17.25cm periodontal scissors with 2cm curved blades, 30° angle



51-15-30C

15 cm periodontal scissors with 2 cm curved blades, 30° angle



51-15-45C

15cm periodontal scissors with 2cm curved blades, 45° angle



51-12-30C *Most Popular**

13.75 cm periodontal scissors with 1.0 cm curved blades, 30° angle



N-1

15 cm scissors with 2.2 cm straight blades



N-1C

15 cm scissors with 2.2 cm curved blades



51-12-45C

13.75 cm periodontal scissors with 1.0 cm curved blades, 45° angle



DS-1

14.25 cm Vannas scissors with 1.2 cm straight blades



DS-1C

14cm Vannas scissors with 1.2cm curved blades



DS-G

14.5cm stork-shaped scissors with 1.25cm blades



N-4

14.25cm scissors with 1.25cm straight blades



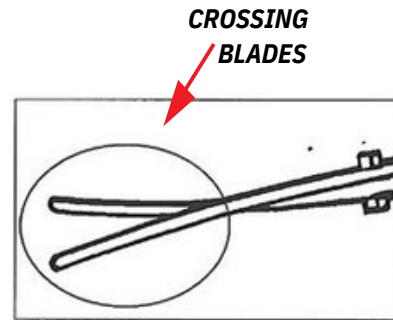
N-4C

14cm scissors with 1.25 cm curved blades



RING-HANDLED SCISSORS

The most reliable cut
you will ever know



TMRHS-145



145mm Stevens Tenotomy Scissor

TMRHS-120-LR



Gorney Blades Now Available



120mm Littler Tenotomy Scissor

RHT-45B



Excellent for Maxillofacial



95mm **Converse** Scissor 45°

TMRHS-95



95mm Iris Scissor

Abutments: Internal Hex Alignment

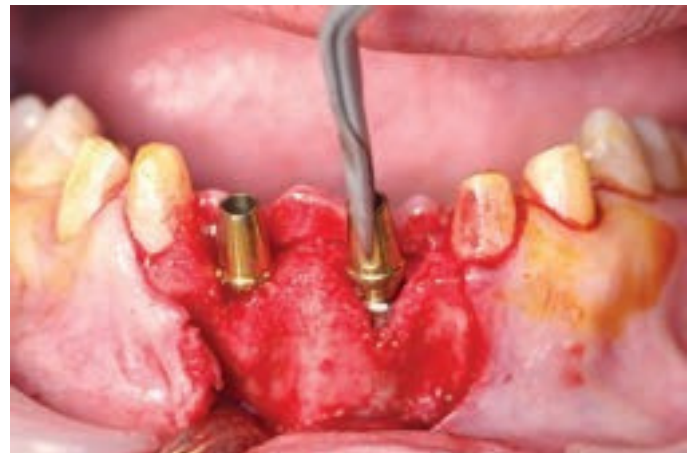
For precise alignment of
internal hexes and final seating



- Firmly holds without compromising integrity
- Non-corrosive alloy will not contaminate implants
- Scratch-resistant polished jaws



Approach and alignment of
abutment onto implant



Final seating prior to
permanent attachment

Implant Screw & Driver Handling

Stabilize screws and drivers with zero risk of implant contamination

Five axis articulation for positioning and threading. Especially useful in upper second and third installation



- Easily stabilize implant components and drivers for installation
- Any size screw or component may be threaded with absolute safety and bio-compatibility. Also ideal for plating systems
- Great for placing healing caps in areas with limited mesio-distal space



Healing Cap Placement Made Easy

Fumbling implant parts is misery,
dropping them is EXPENSIVE



Secure the healing cap, retract the cheek,
position and thread. With just one instrument

*NO RISK OF IMPLANT
CONTAMINATION !!!*

- Compatible with all sizes and shapes of healing caps
- Reverse spring-action creates a secure and gentle grip
- Spread open to engage and disengage



Easy Scanner Body Handling

Stabilize transfers and scanner bodies for placement and seating

Non-corrosive alloy safely handles all implant components without risk of galvanic contamination



HAF/90 16.4cm



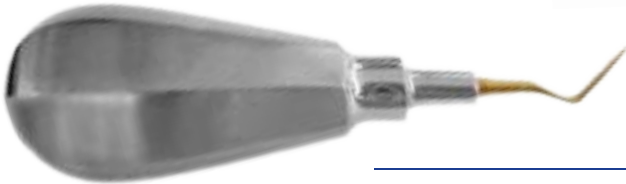
SERRATED PERIOTOMES

Periodontal ligaments are natural rubber bands. Stretching them until they break requires space & causes unnecessary damage. PICK and saw through them instead, & save socket integrity

FB-1 12.7cm Straight



FB-2 11.7cm Garden Rake



FB-3 11.7cm Hockey Stick



SM-1F 15.8cm Straight, Single-End



MSP-1F 18.6cm Straight / Hockey Stick



MSP-2F 17.6cm Angled Offset Left/Right



Serrated
all the way
to the point

- No need to push or twist
- Automatically cuts ligaments upon insertion and removal
- Micro-serrated edges last longer
- Less damage to surrounding tissue

THE LEARNING CURVE

Not to be used like traditional periostomes or elevators; not to be used as a pry bar

RAPTOR Forceps

Narrow profile and super strength allows for easy access and removal of Root Tips and Posts.
Ideal for Pediatric Extractions.



45-SL 15cm N/S
Side to Side Manipulation



75-SPL 14.75cm E/W
Front/Back Manipulation

Root-Tip Removal

How to use it...

1. Using a burr, create two divots in the face of the broken root, buccal and lingual.
2. Grasp onto the broken root or fragment.
3. Use a serrated periosteum (pg 28) to pick away and sever remaining ligaments
4. Luxate to remove.

Post Removal

How to use it...

1. Lock the instrument on the exposed post
2. Snugly place any ultrasonic tip in the neck of the instrument
3. Gradually increase from low to high setting
4. Ultrasonic vibrations begin to crack cement.
5. As cement bonds crack, gently luxate to remove the post

The Learning Curve:

Only a small amount of force is required to hold the grip.
Don't squeeze too hard, it is not necessary.

Graft & Membrane Management

Safely stabilize connective tissue graft and membranes for trimming, without touching, tearing, or crushing

CORN forceps for easy passage of suture needle, to begin installation

2mm between
avoids crushing,
blood flow

locked jaws
and preserves

MA-45 19cm

Four pins in rectangular formation
for rotation-proof stabilization

2mm between locked jaws avoids
crushing, and preserves blood flow

- NO CRUSHING - Holds a grip without crushing or fully penetrating
- THUMLOK® locking mechanism for ease
- 1.5mm minimum space between jaws when in closed/locked position
- Four pins for proper stability
- CORN forceps at the beak for suturing
- Best used with Liquid Scissors, Pg 20

TUNNEL GRAFT FORCEPS

Quick and easy tissue-graft placement in a surgical tunnel



TF-R Curved right 15.1cm

TF-L Curved left 15.1cm

TF-S Straight 15.1cm

- Atraumatic - only two newtons of pressure to gently secure grafts
- Blunted tips prevent damage to surgical tunnel
- Easily navigate around compromised areas within the tunnel
- Notable reduction in time spent placing the graft



1. Create tunnel in any standard manner



2. Close forceps and walk through tunnel



3. Grasp connective tissue graft



4. Draw graft through tunnel

BONE FORCEPS - Collect, Deliver, Pack

Easy guided graft-placement,
ZERO loss of graft material

- Ideal for placement in sockets
 - Up into the sinus
 - Around the base of exposed implants
 - Surgical tunnels
- Non-corrosive alloy will not contaminate implants

IP-1 16.2cm



Half-moon tips gently pack in two ways. Close for a flat edge, open to circumnavigate any exposed implant

Collecting from the dish



Delivering to the site

Control opening, clear the cone with any common packer

End result

Photos courtesy of Dr. Mariusz Bolzan, Poland

SCISSORS THAT CUT TITANIUM

Meet *Brutus* the remarkable little scissors that cut titanium mesh and reinforced membranes like a dream. And he does this reliably for YEARS

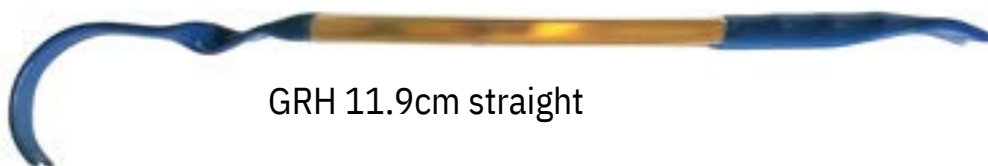
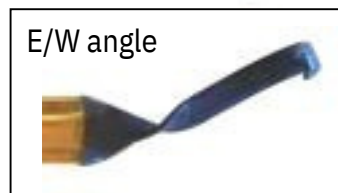


- Incredible control
- Serrated edges
- Curved blades
- Castroviejo-like operation
- Made from high-polished Sonic Steel -Non-corrosive alloy will not contaminate titanium

GINGIVAL RETRACTORS

For use during examination,
restoration, curettage, and surgery

- Atraumatic tissue manipulation
- Surgical-grade plastic cured for longevity
- Straight and angled for use in all cases
- Recommended as a set of two



ENDO FILE BENDER

Create complex curvatures
in all Endodontic files



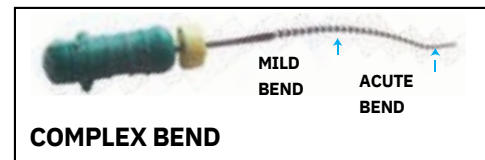
LA-F 12cm



SHORT, GRADUAL BEND



ELONGATED DEEP BEND



COMPLEX BEND

TACTILE ENDO FILE FORCEPS

Ergonomics meets canal location. Avoid the carpal tunnel that plagues so many endodontists around the world



Watch this video from Dr. Marc Habib!!

EF-1-7 17.75cm



Allows for a 75° or 90° bend in the file, reducing total height by up to 65%. Ideal for limited clearance in the posterior

90AHF/L 15.75cm ***Most Popular

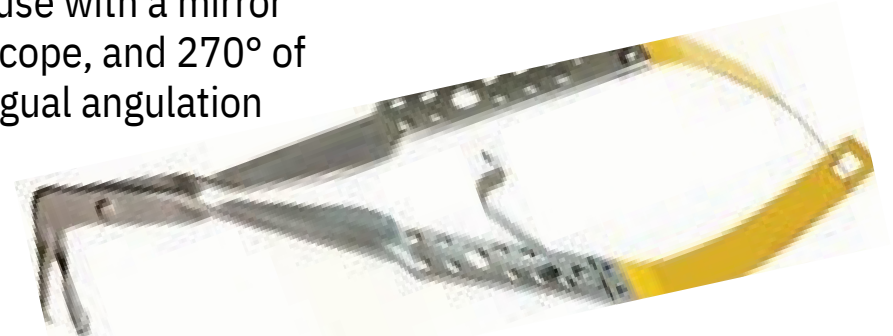


Up to 270° of mesio-distal angulation, for access to most areas and root positions



75CHF/L 14.5cm

Ideal for use with a mirror or microscope, and 270° of bucco-lingual angulation



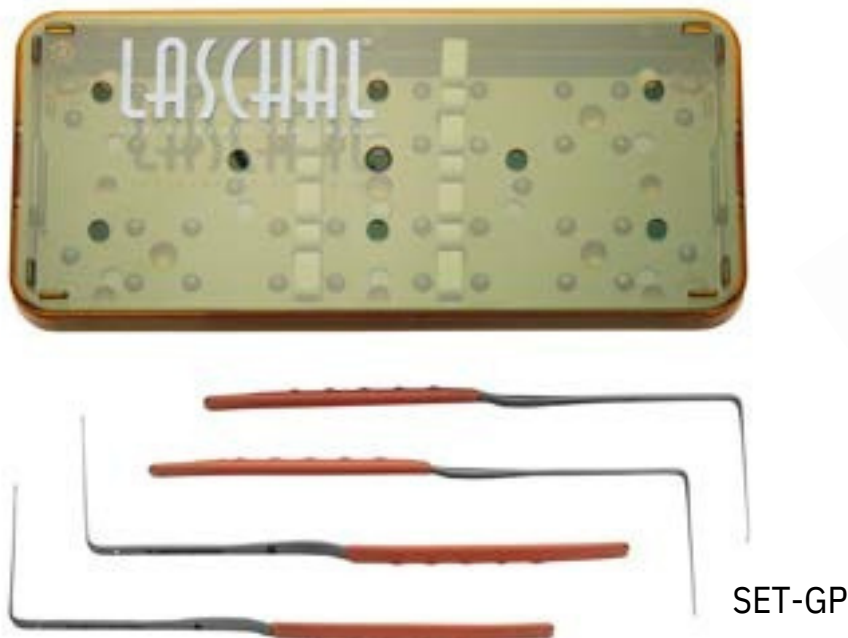
- Extraordinary tactile sensitivity - greater than bare fingers
- Alleviates joint fatigue common to traditional instrumentation
- Diamond coated for slip-resistance

GUTTA PERCHA REMOVAL

by Dr. Juan Carlos Ortiz Hughes
Panama

Easily remove gutta percha and other materials from narrow accesses

- Maintains visibility during removal
- Can be pre-heated, if desired
- Use in a scraping motion
- Set four instruments in a sterile tray
 - One each, with the hooks oriented North, South, East and West
 - Indicator arrow on each instrument shows orientation



BEST USED WITH HEAT (*optional*)

To heat up prior to patient application:

- Use any ultrasonic tip that fits snugly in the eyelet
- Hold in place, turn on ultrasonic to medium/high power
- Maintain for 15-20 seconds to sufficiently heat

Laschal FXP® - File Extraction Protocol

"This system is the easiest, and most time-saving for removing separated endodontic files."

Dr. Juan Carlos Ortiz Hughes

Diamond Excavation Probes - four angulations in the kit



Probe Bender



Steiglitz Forceps - Excellent strength and reliability in narrow access



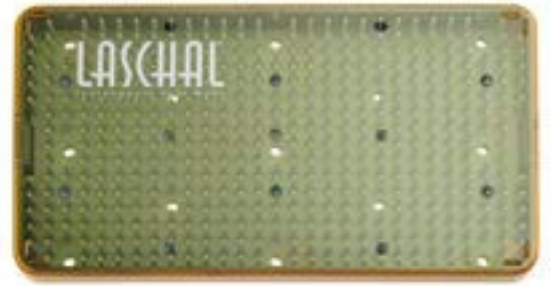
Suggested Models

- 45SL/M
- 75SPL/M



FXP® Instructions For Use

Note: If the broken file is easily secured by the Laschal® Steiglitz without use of the diamond probes, try pulling it straight out first. You might be surprised by the strength of the micro forceps



Step One - Scan/watch this 50-second video by Dr. Juan Carlos Ortiz-Hughes



Total process time:
17 mins



Step Two - Curve the selected probe with your Probe Bender (*figure - A*)

- Only if a curve is needed
- Bender creates custom curvatures to follow dilacerated canals
- Probes easily manipulated multiple times without fatigue

Step Three - Use your ultrasonics to activate the probe (*figures - B / C*)

- Apply any ultrasonic handpiece, as shown below
- Oscillation, and up/down movement of the probe creates a trough space in dentin, and smooths sharp edges of the file
- Probe avoids direct introduction of heat in the canal
- Irrigate to flush debris, and bring fragment to the access

Step Four - Using the Steiglitz forceps, remove fragment. As seen in the video



figure A



figure B

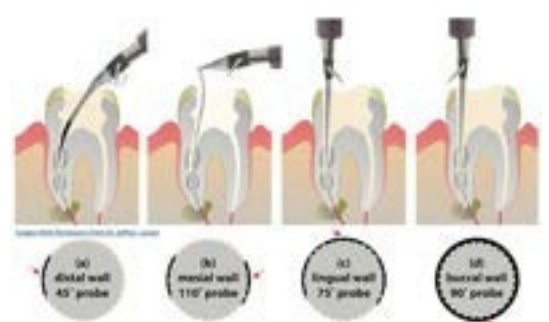


figure C

other USEFUL SCISSORS

BNS



1cm Straight

- Phrenectomy
- Baby Nails

LA-3B



1.25cm Curved

- Bleaching Tray
- Aligners / Guards

LA-1C



2cm Curved

- Rubber Dam
- General Purpose

LA-4C



1.25cm Curved

- Aluminum Crown
- Mincing Tissue

INDEPENDENT STUDIES

LIQUID SCISSORS CUT CLEANER

Dardik Institute, Yale Medical

A reliably cleaner cut creates superb margins for suturing and allows for a stronger healing process



RELIABLE 25X LONGER

Harbor-UCLA Medical Center

The Effects of Sterilization on the Performance, and Reliability of Surgical Instruments



TISSUE FORCEPS DON'T CRUSH

Rhode Island Hospital Orthopedic Foundation

"A significant reduction, in otherwise unavoidable tissue damage caused during anastomosis and manipulation"



SEPARATED FILE REMOVAL

Dr. Mauricio L. Basso, University of Michigan, Dept. of Endodontics

Using indirect ultrasonics for separated file retrieval



*An oral surgeon
and an engineer
walk into a bar...*

Sonic Steel®

All Laschal® instruments and the Sonic Steel® material
are patent protected in the USA and internationally

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(L'SHAL)



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