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Leading Design.

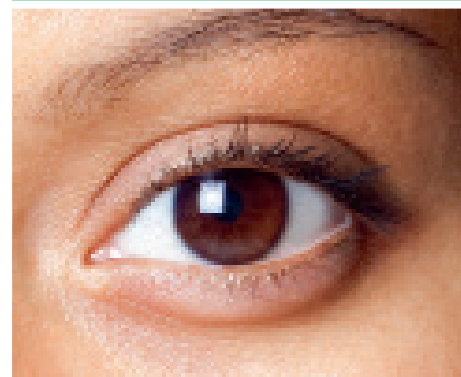






























Table of Contents

Calipers, Gauges & Rulers	1
Cannulas	7
Capsule Polishers	33
Choppers, Manipulators, Hooks	39
Corneal Markers	63
Diamond Knives	69
Dissectors.....	77
Forceps	81
Handpieces	129
Knives	143
Lens Vectus	157
Miscellaneous.....	161
Needle Holders.....	173
Oculoplastic Instruments.....	183
Retractors.....	199
Rings	203
Rust Ring Removers, Spuds	207
Scissors	211
Scleral Depressors.....	233
Scrapers	237
Snares, Spoons	239
Spatulas, Picks.....	241
Specula.....	251
Sterilization Trays	263
Tonometers.....	267
Trephines, Punches	269
Procedure Sets	275
Index.....	303

Table of Contents

Calipers, Gauges & Rulers	1	
Cannulas	7	
Capsule Polishers	33	
Choppers, Manipulators, Hooks	39	
Corneal Markers	63	
Diamond Knives	69	
Dissectors	77	
Forceps	81	
Handpieces	129	
Knives	143	
Lens Vectus	157	
Miscellaneous	161	
Needle Holders	173	
Oculoplastic Instruments	183	
Retractors	199	
Rings	203	
Rust Ring Removers, Spuds	207	
Scissors	211	
Scleral Depressors	233	
Scrapers	237	
Snares, Spoons	239	
Spatulas, Picks	241	
Specula	251	
Sterilization Trays	263	
Tonometers	267	
Trephines, Punches	269	
Procedure Sets	275	
Index	303	

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of available instruments, visit
www.StorzEye.com

CUSTOMER SERVICE:
(800) 338-2020
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INSTRUMENT REPAIRS:
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CUSTOM INSTRUMENTS:
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SINGLE-USE



PACKAGED STERILE



QUANTITY PER BOX



OPHTHALMIC INSTRUMENT CATALOG



OUR HISTORY



Our History

In 1782, after four years of training in Paris, Johann Jacob Storz® returned to his hometown of Tuttlingen, Germany, to start a knife-making industry that soon became the major craft of Tuttlingen. Johann Storz's fine design and workmanship of table knives soon made his products desired in the finer homes of Germany.

Adam Storz, grandson of Johann Jacob Storz, also traveled to the French capital, this time to learn the making of surgical instruments. He too returned to Tuttlingen to help start this trade there. The knife makers who had been trained by his grandfather were quick to enter this new field, and soon Tuttlingen was also known for its instrument industry.

His son, Charles R. Storz, born in 1872, learned the surgical instrument-making trade thoroughly from his father and added to his experience in the design and manufacture of instruments at Wurzburg, one of the early medical centers of Germany. He came to the United States in 1893 and was actively designing and supervising surgical instrument manufacture until his retirement in 1960, a year before his death in his ninetieth year.

Old world craftsmanship and modern technology meet in the hands of the skilled instrument maker. Becoming an instrument maker at Bausch + Lomb Storz® Ophthalmic Instruments requires a total understanding of metal working and the use of a variety of manufacturing machinery. Instrument makers devote five years to an apprentice program in order to qualify as a skilled surgical instrument maker ready to produce high-quality Storz® instruments.

Bausch + Lomb offers a wide range of surgical products, including a full array of microsurgical instruments for ophthalmology. To help surgeons achieve the best outcomes using their preferred techniques, Bausch + Lomb Storz® Ophthalmic Instruments produces customized instruments for individual surgeons, providing TRUSTED QUALITY and LEADING DESIGN at their fingertips.

There is a difference.
Crafted to exacting standards.



PARTNERS IN PRACTICE

Partners in Practice

We know how important it is for your instrumentation to be in optimal condition each time they are used and that is why we offer the services under our Partners in Practice program. From instrument repairs to cross-referencing to your Instrument DirectConnect contact, we provide you with the best resources in the industry to ease your purchasing process, maximize your budgets and extend the life of your instrumentation.

Instrument DirectConnect Specialists:

Our Surgical Instrument Specialists, Instrument DirectConnect Specialists and our Customer Service team are trained to ensure you have access to the best products and the best support possible.

Inside Sales Number 800-325-9505



WEST: ext. 3016



EAST CENTRAL: ext. 3048



MID-STATES: ext. 3205



3048SOUTHEAST: ext. 3558



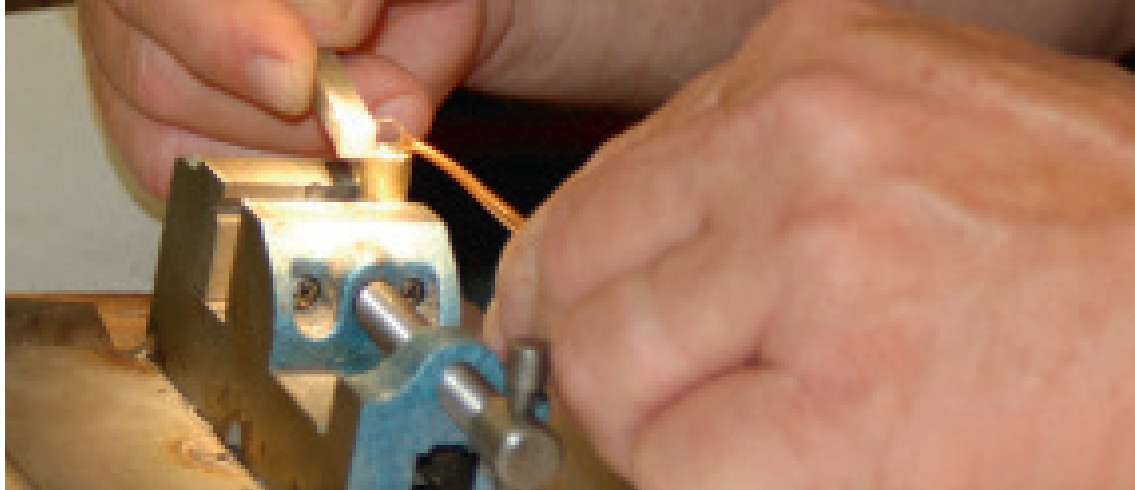
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For the most up-to-date listing of available instruments, visit www.StorzEye.com

TRUSTED QUALITY



Trusted Quality

For over 120 years, Bausch + Lomb Storz® Ophthalmic Instruments has been recognized throughout the world for our craftsmanship of high quality surgical instruments. With an average of over 20 years of service, each of our instrument craftsmen draw on their skill to produce the finest instruments using select, certified US and German stainless steel alloys and titanium. Our skilled instrument makers use a high degree of precision, careful workmanship and rigid quality control to provide delicate products for any ophthalmic procedure. We stand behind our instruments with a guarantee that they will be free from defects in workmanship and material. Storz® Ophthalmic Instruments: providing trusted quality that you can rely on for all of your ophthalmic surgical procedures.

There is a difference.

Quality craftsmanship for over 120 years.



Leading Design

We know the best ideas come from those with first hand experience using our products. That is why we partner with designing surgeons around the world to develop new instrument designs that meet the needs of today's ophthalmic surgeon and tomorrow's ophthalmic procedures. Our instruments are designed by ophthalmic surgeons for enhanced surgical control, advancing the art of ophthalmic procedures including microincision cataract techniques, vitreoretinal procedures, advanced corneal transplants and the latest in laser cataract surgery. Through our New Product Development Program, we welcome the opportunity to work with you on creating new instrumentation that meets the challenges of your surgical techniques to provide the finest patient care possible.

There is a difference.

Innovation for tomorrow's ophthalmic procedures.



RED CARPET REPAIR



Red Carpet® Repair Service:

All surgical instruments eventually require maintenance and repair, and no one is better suited to recondition your instruments than Bausch + Lomb. The Red Carpet® Repair Service* program is designed to return your instruments to “like new” condition and preserve your investment, ensuring long-lasting service at a fraction of the cost of replacement. Our skilled instrument craftsmen will:

- Straighten, adjust and reform teeth of forceps
- Straighten, sharpen or adjust hooks, elevators and manipulators
- Sharpen blades, replace screws and adjust spring tension of scissors
- Clean and passivate instruments to resurface and protect against corrosion
- Laser-etch codes and markings for easy identification

Repairs are performed using original manufacturer parts when necessary

Enroll in Red Carpet® Repair Service at

www.StorzEye.com/partners

or contact us at (800) 658-4751 to schedule your next repair.

*Red Carpet Service is not applicable to diamond knives, endoscopes, tonometers, I/A tips and handles, Algebrushes.



Instrument Preventative Maintenance:

Keep your instruments in like new condition with the Instrument Preventative Maintenance Program. Send us your complete surgical instrument trays and have the following service performed by our experienced instrument staff:

- Inventory and cross-reference your instruments
- Clean your instruments using our proprietary restoration process
- Standard adjustments performed by our experienced craftsmen to ensure they are in like new condition for your next surgical procedure
- Our instrument craftsman will assess your instruments and:
 - Notify you of any issues related to instrument condition, cleaning and sterilization
 - Make recommendations for repairs and suggestions for proper instrument storage

Contact your Instrument Representative or the Repair Department at **(800) 658-4751** for additional information.**

Cross-Reference Service:

Our cross-reference service is designed to help ensure you have the highest quality instrumentation on your instrument trays. Use our instrument expertise to convert a competitive pattern to the premium quality and value of Storz® Ophthalmic Instruments. You can take advantage of this service through your local Surgical Instrument Specialist, your Instrument DirectConnect contact or by going to www.StorzEye.com/partners for our easy to use online Cross-Reference tool.

**Preventative Maintenance pricing does not include needed repairs or shipping charges. Preventative maintenance not available on diamond knives, endoscopes, tonometers, I/A tips and handpieces and *Algebrushes*.



Educational Support:

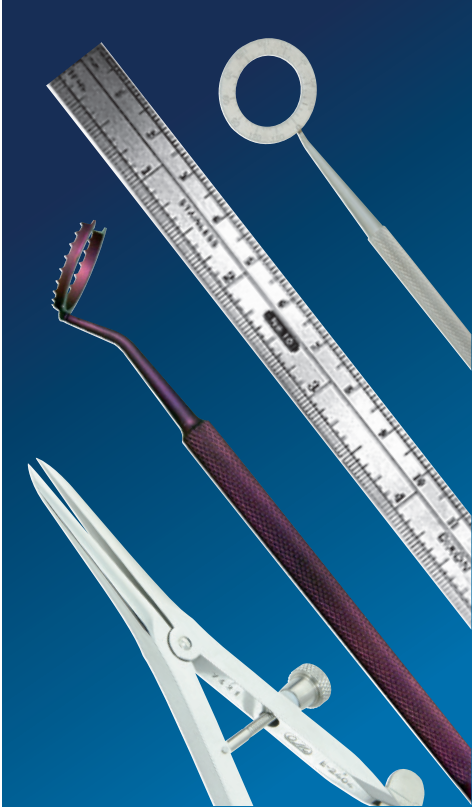
Engage in continuing education programs to receive contact hours approved by CBSPD, IAHCSMM and for Nursing CE credits. Accessed through www.StorzEye.com. We offer two educational programs designed to educate you and your staff on ophthalmic instruments and the steps necessary to properly maintain surgical instrumentation.

Effective Management of Surgical Instruments:

This program is designed to teach the participant the steps necessary to properly maintain surgical instrumentation including cleaning, lubrication, sterilization preparation, sterilization, and storage. In addition, the participant will complete the program with knowledge of several problem solving techniques as well as special handling requirements for microsurgical instrumentation including vitreoretinal instruments and diamond knives.

Utilization of Ophthalmic Surgical Instruments:

Those participating in this program will gain an understanding of ophthalmic surgical instrumentation. This will include knowledge of approaches used to name surgical instruments and identification of categories of ophthalmic instruments. In addition, the participant will be able to recognize characteristics that differentiate instruments of the same type and explain the characteristics of different materials used to produce surgical instruments.



CALIPERS, GAUGES & RULERS

Calipers 2

Gauges 3

Rulers 6



Calipers, Gauges & Rulers

CALIPERS

Braunstein Fixed Caliper

- Fine tips mark sclerotomy sites for vitreous surgery.
- Dull finish.
- Overall Length: 80mm, 3.2 inches.



Catalog #	Aphakic	Phakic
E2403	3.0mm	3.5mm
E2402	3.5mm	4.0mm

E2404 Castroviejo Caliper

- Caliper measures from 0mm to 20mm in 1mm increments with scale reading on both sides.
- Thumbscrew holds tips apart at desired setting.
- Features polished finish.
- Overall Length: 85mm, 3.3 inches.



E2405 Castroviejo Marking Caliper Curved

- Curved 45° shafts with grooves for marking fluid.
- Caliper measures from 0mm to 20mm in 1mm increments with scale reading on both sides.
- Thumbscrew holds tips apart at desired setting.
- Features polished finish.
- Overall Length: 86mm, 3.4 inches.



E2410 Jameson Caliper

- Measures 0mm to 80mm in 1mm increments and 0 to 3 inches in 1/16 inch increments.
- Features include narrow, flat 3mm tips and a thumbscrew for locking the caliper at the desired setting.
- Dull finish.
- Overall Length: 100mm, 3.9 inches.



*Not Available in Canada.

Calipers, Gauges & Rulers

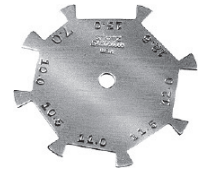
ET2418 Incision Gauge Set

- This set contains 7 individual incision gauges, measuring from 1.0mm to 3.0mm in 0.1mm increments.
- 3 sizes of 0.1mm increments are on each individual gauge.



E2401 Stahl Caliper

- Used to measure width from limbus to limbus for anterior chamber IOL implantation.
- Measures 7.0mm, 10.0mm, 10.5mm, 11.0mm, 11.5mm, 12.0mm, 12.5mm, and 13.0mm.
- Dull finish.
- Overall Length: 40mm, 1.6 inches.



E2414 Thorpe Caliper

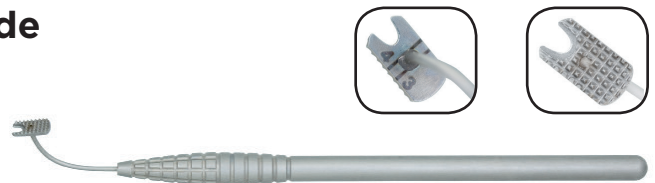
- Measures up to 80mm with 1mm increments and 3 inches in 1/16 inch increments.
- Features fine 2.9mm wide angulated tips and a thumbscrew for locking the caliper at desired setting.
- Dull finish. Overall Length: 112mm, 4.4 inches



GAUGES

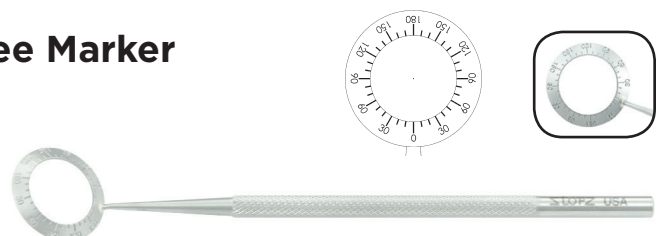
E2428 Awh Sutureless Sclerotomy Guide

- Allows the surgeon to perform conjunctival displacement, conjunctival marking, scleral flattening and cannula stabilization with a single instrument.
- The instrument features a textured bottom for atraumatic conjunctival displacement. 3.0 and 4.0mm marks on the top of the guide facilitate measuring entry location and a notch is provided for engaging and stabilizing the cannula hub during plug placement and removal.
- This instrument can also be used to flatten the sclera during sclerotomy wound construction, creating a longer and more watertight wound.
- Overall Length: 114mm, 4.5 inches.



E2433* Boehnke-Mendez Domed Degree Marker

- Modification to the popular Mendez Degree Marker.
- The ring is dished for a better fit to the anatomy of the eye.
- Designed to improve stability, reduce reflection and conform to the eye.
- Overall Length: 113mm, 4.5 inches.

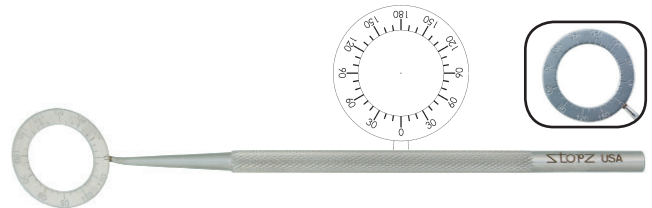


*Not Available in Canada.

Calipers, Gauges & Rulers

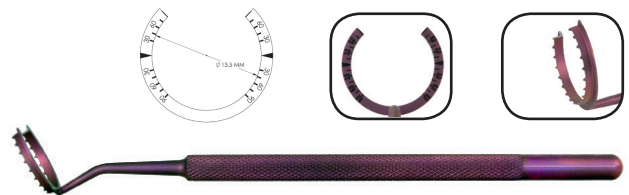
E2421 Mendez Degree Gauge

- Used to determine incision angles.
- Calibrated every 10° from 0° to 180°.
- Inner dimensions: 12mm, 0.75 inches.
- Round knurled handle.
- Stainless, dull finish.
- Overall Length: 113mm, 4.5 inches.



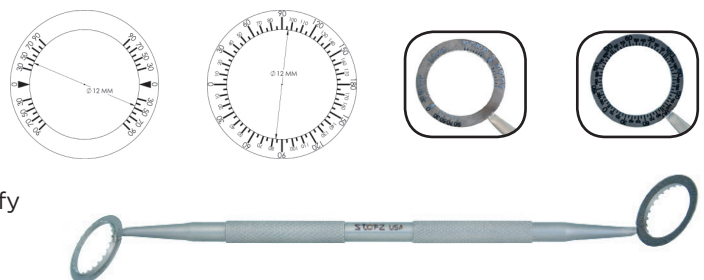
ET2423* Nichamin Degree Gauge

- A modification of the popular Fine-Thornton Fixation Ring, this instrument is designed to facilitate placement of limbal relaxing incisions when treating corneal astigmatism.
- The two, 180° opposed, broad hash marks are to be aligned with the steep corneal meridian, centering the ring over the patient's positive astigmatic axis.
- 10° marks distinguish the extent of arc to be incised.
- This instrument can also be used to move the globe into position to allow for perpendicular placement of the incisions and to steady the eye when using topical anesthesia.
- Overall Length: 117mm, 4.6 inches.



E2432 Nichamin Double-Ended LRI/Toric Gauge

- This double-ended instrument has a modified Mendez Gauge on one end that is designed to align with preoperative limbal reference markings in order to identify the steep meridian over which the LRIs or Toric IOL is to be centered.
- The opposite end of the instrument is designed to permit arc length determination.
- The zero point is placed over the steep meridian that is to be incised, and the appropriate arc length is then delineated on the surface of this second gauge.
- Overall Length: 145mm, 5.7 inches.

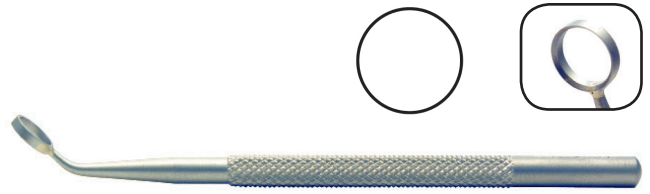


*Not Available in Canada.

Calipers, Gauges & Rulers

E9036 Wallace Capsulorhexis Gauge

- 6mm corneal marker provides an excellent reference to gauge the diameter of the anterior capsular opening during capsulorhexis.
- Creating a tear just inside the circular mark on the cornea provides a sub 6mm capsulorhexis which is ideal for the latest IOL technology.
- Overall Length: 81mm, 3.2 inches.



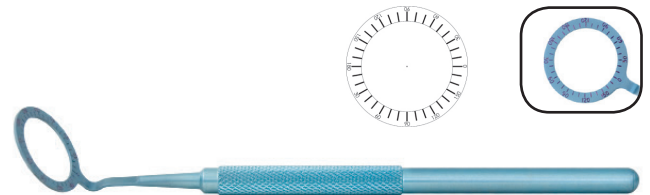
E9045* Wallace Capsulotomy Diameter Marker

- 6mm corneal marker provides an excellent reference to gauge the diameter of the anterior capsular opening during capsulorhexis.
- Tearing the capsule just inside the ring mark that is paced on the cornea surface yields a sub 6mm capsulorhexis.
- Instrument includes a pointer as a center indicator.
- Flat stock handle.
- Overall Length: 119 mm, 4.7 inches.



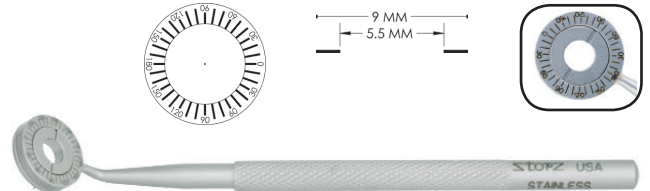
ET2425 Wallace Mendez Degree Gauge

- 10° interval marks. Designed for surgeons familiar with use of a standard phoropter.
- Measures 0° to 180° twice in 10° increments.
- Round handle.
- Inner ring diameter: 12mm.
- Outer ring diameter: 16mm.
- Overall Length: 105mm, 4.1 inches.



E2430 Whitman Axis Marker

- This instrument features an astigmatic dial marked in degrees on its anterior surface for setting the desired location of the lens implant while the posterior surface provides two large radial blades which correspond to the axis on the dial.
- These blades, marked with a sterile marking pen, are aligned under the surgical microscope with limbal markings made pre-operatively at the 180° axis, or 3 and 9 o'clock.
- Once aligned, the instrument is pressed onto the surface of the eye, leaving two opposing, long, radial marks in the mid periphery of the cornea.
- The toric alignment markings on the IOL can then be easily aligned with these radial marks.
- Overall Length: 81mm, 3.2 inches.

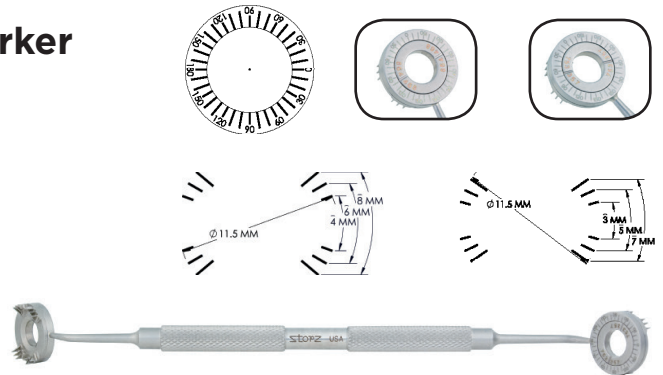


*Not Available in Canada.

Calipers, Gauges & Rulers

E2427 Whitman Double-Ended LRI Marker

- This double-ended LRI marker is designed using chord lengths for treatment parameters as opposed to degrees. The two astigmatic dials cover a wide range of dioptric treatments with one end marked for 3mm, 5mm and 7mm lengths and the other marked for 4mm, 6mm and 8mm lengths.
- Both ends include corresponding raised marks on the underside of the dial.
- In addition to use in the LRI procedure, the central mark to note axis makes this instrument ideal for marking for toric lens implants.
- For optimal visible marks, a surgery skin marker should be used on the underside, raised marks of the dial and the instrument should be pressed onto a dry cornea.
- Overall Length: 122mm, 4.8 inches.



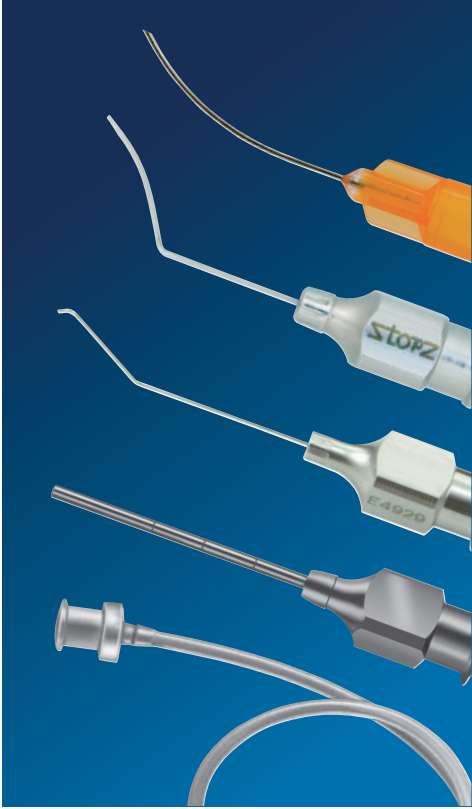
RULERS

E2420 Stainless Steel Flexible Ruler

- Measures up to 152mm in 1mm increments and 6 inches in 1/32 inch increments.
- Deeply etched graduations and dull finish.
- Overall Length: 159mm, 6.3 inches.



*Not Available in Canada.



CANNULAS

Air Injection	8
Anesthesia Needles	8
Anterior Chamber	9
Aspirating	12
Corneal	14
Cortex Extractors	15
Femto	17
Hydrodissection	19
Infusion	23
Irrigating	23
Irrigating/Aspirating	26
Miscellaneous	27
Vitreoretinal	30



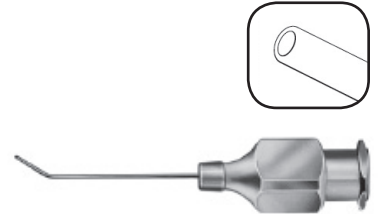
Cannulas

AIR INJECTION

Air Injection Cannula

- Angled 45° shaft, 5mm from tip to bend
- Polished finish.
- Overall length excluding hub: 19mm, 0.75 inches.

Catalog #	Gauge
E0499 27	27
E0499 30	30



ANESTHESIA NEEDLES

Atkinson Retrobulbar Needle

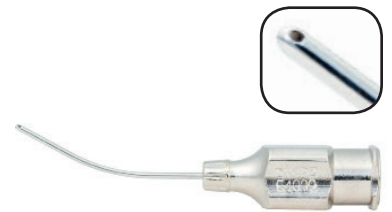
- Beveled sharp rounded point.
- Polished finish.
- Overall length excluding hub: 35mm, 1.4 inches.

Catalog #	Gauge
E4951	23
E4951 25	25



E4999 Connor Anesthesia Cannula

- Polished, rounded tip dissects beneath Tenon's capsule to just beyond the globe's equator.
- 23 gauge cannula with three forward-spraying side ports designed to provide an even and diffuse distribution of anesthetic within the muscle cone.
- Overall length excluding hub: 19mm, 0.7 inches.



*Not Available in Canada.

Retrobulbar



- Overall length excluding hub: 38mm, 1.5 inches.



Catalog #	Gauge	Style	Hub Color
ED7131	23	Atkinson style bevel	Blue
ED7133	25	Atkinson style bevel	Orange
ED7135	25		Orange

Peribulbar



Catalog #	Gauge	Style	Hub Color	Overall Length Excluding Hub
ED7132*	23	Atkinson style bevel	Blue	32mm, 1.3 inches
ED7134	25	Atkinson style bevel	Orange	32mm, 1.3 inches
ED7136	25		Orange	16mm, 0.6 inches
ED7138	27		Grey	16mm, 0.6 inches

ANTERIOR CHAMBER

E4982 Anterior Chamber Cannula 25 Gauge

- 25 gauge anterior chamber maintenance cannula
- 3mm long beveled tip for ease of introduction through the side port incision.
- Uses 20cm (8 inches) of silicone tubing (N5941 4).



*Not Available in Canada.

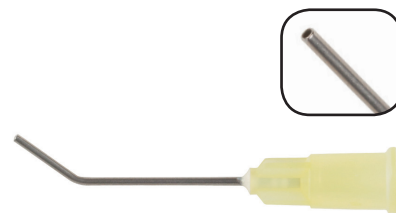
Cannulas

Anterior Chamber Needles Angled



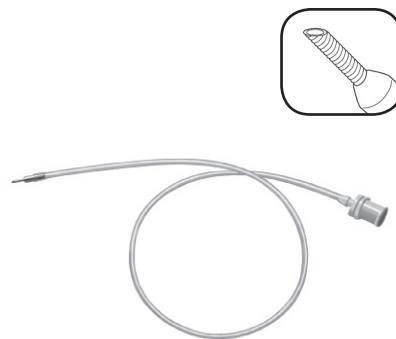
- Overall length excluding hub: 22mm, 0.9 inches.

Catalog #	Gauge	Tip	Hub Color
ED7101	20	8mm	Yellow
ED7102	23	8mm	Blue
ED7103	25	8mm	Orange
ED7104	27	8mm	Grey
ED7106	27	5mm	Grey
ED7105	30	5mm	Clear



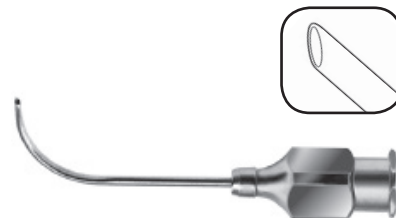
E4981 Blumenthal Anterior Chamber Maintainer

- 20 gauge.
- Features a threaded tip for fixation in the side port incision while maintaining the anterior chamber.
- Uses 25cm (10 inches) of silicone tubing (N5941 6).
- Excellent for use in manual ECCE or phaco.



E4930 Bracken Anterior Chamber Cannula

- 19 gauge.
- Curved 90° flattened beveled tip.
- Polished finish.
- Overall length excluding hub: 21mm, 0.8 inches.

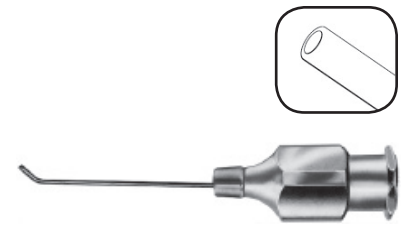


*Not Available in Canada.

Knolle Anterior Chamber Irrigating Cannula

- Blunt tip with shaft angled 45°.
- 2mm from tip to bend.
- Polished finish.
- Overall length excluding hub: 19mm, 0.75 inches.

Catalog #	Gauge
E4901 23	23
E4901 25	25
E4901 30	30



Anterior Chamber

E4984 Lewicky Anterior Chamber Maintainer 23 Gauge

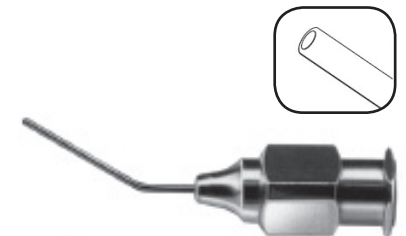
- 23 gauge version of the popular 20 gauge E4981 Lewicky Anterior Chamber Maintainer.
- It provides control over the depth of the anterior chamber during eye surgical procedures where anterior chamber depth control is important, including cataract surgery, IOL surgery, hyphema evacuation and IOL manipulations and relocations.
- The 23 gauge shaft is designed for easy insertion through most side port incisions without any need for enlargement.
- The self-retaining threaded tip assures stable fixation within the corneal stroma.



McIntyre Angled Anterior Chamber Cannula

- Blunt tip with shaft angled 45°.
- 12mm from tip to bend.
- Polished finish.
- Overall length excluding hub: 15mm, 0.6 inches.

Catalog #	Gauge
E4395 20	23
E4395 22	26
E4395 24	30



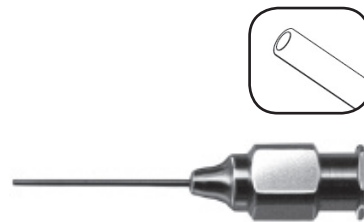
*Not Available in Canada.

Cannulas

McIntyre Straight Anterior Chamber Cannula

- Straight, blunt tip.
- Polished finish.
- Overall length excluding hub: 17mm, 0.7 inches.

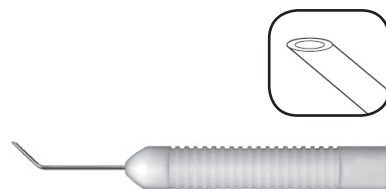
Catalog #	Gauge
E4395 19	23
E4395 21	26
E4395 23	30



Nichamin Side Port Cannula

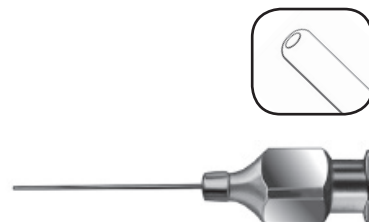
- Cannula designed for maintaining the anterior chamber.
- Angled 45° 7mm from tip.
- Handle design allows for connection to the irrigation line.
- Overall length excluding hub: 22mm, 0.9 inches.

Catalog #	Gauge
E4421 S21	21
E4421 S	23



E4928 Scheie Anterior Chamber Cannula 27 Gauge

- 27 gauge.
- Straight, blunt tip.
- Polished finish.
- Overall length excluding hub: 20mm, 0.8 inches.

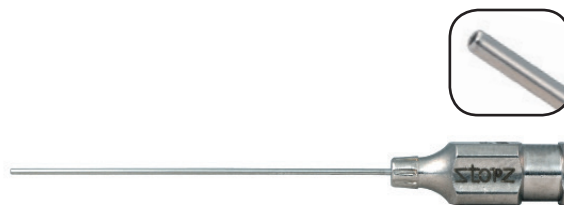


ASPIRATING

Backflush Infusion Cannula

- Reusable cannula can be used with either the E4812 Backflush Handpiece or with a syringe for injection into the posterior segment.
- Overall length excluding hub: 35mm, 1.4 inches.

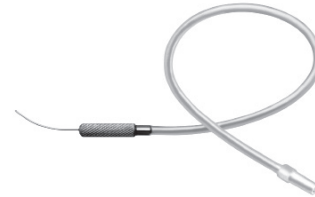
Catalog #	Gauge
E0524 23G	23
E0524 25GA	25



*Not Available in Canada.

E4966 **Barrett Mini Aspirator**

- Excellent for cortex removal at the 12 o'clock position.
- Gently curved 25 gauge shaft for ease of manipulation. Silicone tubing is used for connecting to an aspiration line.
- Overall length excluding hub: 25mm, 0.9 inches.



Aspirating

E4958 **Maumenee Vitreous Aspirating Needle**

- 18 gauge thin wall.
- Straight needle with blunt tip.
- Markings on shaft at 10mm, 15mm, and 20mm, from tip.
- Polished finish.
- Overall length excluding hub: 25mm, 1.0 inches.



E4395 27 **McIntyre Handpiece**

- Aspirating or irrigating handpiece.
- Luer connector fits all cannula hubs, narrow connector fits IV tubing.
- 8mm diameter handle.
- Overall length: 76mm, 3.0 inches.



E0531 **Osher Lens Vacuuming Cannula**

- 27 gauge, straight shaft with curved tip to conform to the lens curvature for removing foreign bodies underneath intraocular lenses.
- Polished finish.
- Overall length excluding hub: 25mm, 1.0 inches.



*Not Available in Canada.

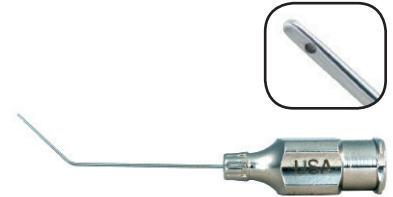
Cannulas

CORNEAL

Fogla Air Injection Cannula

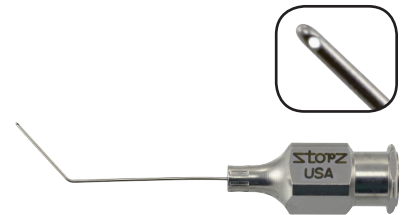
- Bottom port cannula used while injecting air into deep corneal stroma in DALK surgery.
- Blunt tip helps avoid deeper perforation into the anterior chamber and the flattened cannula is easily inserted into the corneal stromal pocket.
- Bottom port directs air posteriorly in order to achieve the big bubble.
- Lamellar track should be created using the Fogla Pointed Dissector (E0480) prior to introducing this cannula.
- Overall length excluding hub: 18mm, 0.7 inches.

Catalog #	Gauge
E4924 25*	25
E4924 27	27



E4918* Fogla DMEK Cannula

- This cannula is designed to assist unrolling the Descemet's membrane after insertion in the patient's eye.
- The small gauge allows the cannula to be slipped in tight tissue rolls and the cross ports facilitate controlled bursts of fluid laterally to open the scroll.
- 27 gauge.
- Overall length excluding hub: 23mm, 0.9 inches.



E4917* Straiko DMEK Cannula

- This instrument is designed to assist in unrolling the donor tissue by tapping the cornea in DMEK surgery.
- The cannula also allows adjusting of anterior chamber depth with the addition and removal of fluid.
- Overall length excluding hub: 23mm, 0.9 inches.



*Not Available in Canada.

CORTEX EXTRACTORS

E4412 BL Binkhorst Hooked Cannula Left

- Left. 22 gauge.
- Angled 45° shaft 13mm from tip to bend with 2.5mm hook curved tip.
- Polished finish.
- Overall length excluding hub: 35mm, 1.4 inches.



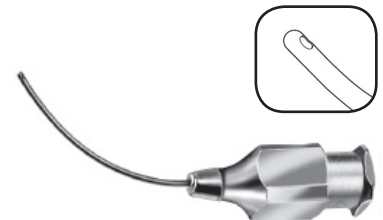
E4968 H Dankner Cannula With Handle

- Gently curved 23 gauge cannula with 0.4mm aspiration port (E4968) on a stainless steel handle complete with a male taper hub which allows direct connection to aspiration tubing.
- The cannula is used through the side-port incision to aspirate cortex at 12 o'clock.
- Overall length excluding handle: 21mm, 0.8 inches.



E4968 Dankner Panariello 12 O'Clock Cortex Cannula

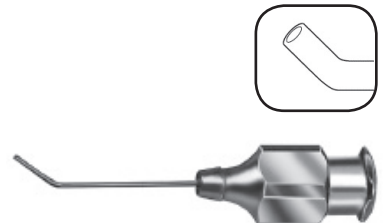
- Gently curved 23 gauge cannula with 0.4mm aspiration port ideal for aspiration of cortex through the side port stab incision.
- Overall length excluding hub: 21mm, 0.8 inches.



Gills-Welsh Cannula

- Angled 45° shaft.
- Polished finish.

Catalog #	Shaft (Tip to Bend)	Overall Length Excluding Hub
E4931 5	5mm	18mm, 0.7 inches
E4931 7	7mm	19mm, 0.8 inches
E4931 8	8mm	20mm, 0.8 inches
E4931 10	10mm	21mm, 0.8 inches



*Not Available in Canada.

Cannulas

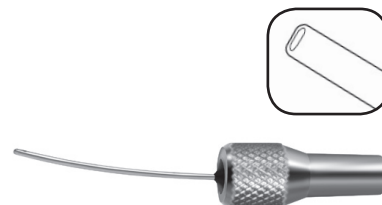
E4895 Gimbel Forward Irrigating Cannula 27 Gauge

- 27 gauge.
- Angled shaft and slightly curved tip.
- Designed to cross the anterior chamber, slip under the anterior capsular flap and irrigate or aspirate cortical material.
- Overall length excluding hub: 28mm, 1.1 inches.



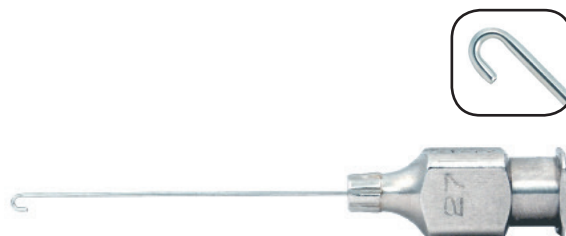
E4967 Hagan Suction Cannula

- Gently curved, 23 gauge aspiration cannula
- Used through the side-port incision to aspirate cortex at 12 o'clock.
- This cannula features a male hub which allows direct connection to aspiration tubing.
- Overall length excluding hub: 20mm, 0.8 inches.



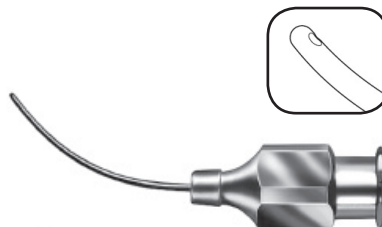
E4420 Osher "J" Cannula

- Designed for clear or near clear corneal incision.
- Ideal for removing subincisional cortex, cortical clean up and reopening the capsular bag.
- The 27 gauge cannula with "J" tip allows easy passage through a 2.2mm phaco incision.
- Tip length is 2.5mm.
- Works well with viscoelastics as well as balanced salt irrigating solution and is especially helpful in capsulorhexis or through a small pupil.
- Overall length excluding hub: 28mm, 1.1 inches.



Simcoe Cortex Extractor

- Gently curved 23 gauge cannula
- 0.33mm aspiration port.
- Polished finish.



Catalog #	Model	Overall Length Excluding Hub
E4969	Standard	13mm, 0.5 inches
E4969 L	Long	21mm, 0.8 inches

*Not Available in Canada.

ED7140 **Simcoe Cortex Extractor 23 Gauge**



- 23 Gauge.
- Overall length excluding hub: 22mm, 0.9 inches.



E4414 WS **Welsh Cortex Extractor With Flat Olive Tip**

- 25 gauge.
- Angled 45° shaft 8mm from tip to bend.
- Polished finish.
- Cortex cleanup allows 6 o'clock.
- Olive tip straight, flat.
- Overall length excluding hub: 25mm, 1.0 inches.



FEMTO

ED7185* **Daya Femto Dissector**



- 27 Gauge.
- 10.5mm tip.
- Overall length excluding hub: 20mm, 0.8 inches.



E4929 **Daya Femto Trans-Lens Hydro Cannula**

- The Daya Trans-Lens Hydrodissection Cannula features a 45° bend and a 90° 1.25mm tip.
- Once inserted into the wound, the surgeon can use the cannula to reach down through the femto incision in the lens and create a fluid wave that originates posteriorly and progresses anteriorly during capsule and lens hydrodissection.
- The fluid wave initiating in the posterior helps assist in directing trapped bubbles towards the anterior.
- The instrument also doubles as a chopper to help separate the cuts and cracking of the lens.
- Overall length excluding hub: 25mm, 1.0 inches.



*Not Available in Canada.

Cannulas

Femto

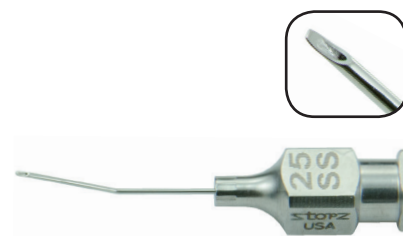
E4940 **Hu Femto Hydrodissection Cannula**

- Specially designed flattened beveled tip to insert under the interior capsular flap to direct the fine concentrated fluid stream at the capsule lens interface to help separate the capsule from the lens during hydrodissection.
- The 45° bend and 1mm wide tip size can be inserted through the side-port incision and can be flipped over to be used in either the left or right directions.
- Overall length excluding hub: 31mm, 1.2 inches.



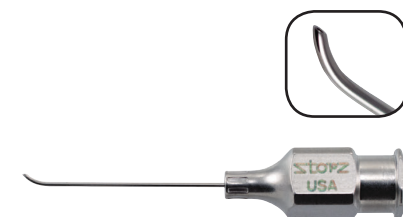
E4910* **McCabe Femto Visco Paddle Cannula**

- Designed with a paddle tip to help separate the capsule from the lens.
- 25 gauge.
- Overall length excluding hub: 36mm, 1.4 inches.



E4431* **Wiley Femto Hydrodissection Cannula**

- Designed to assist in reestablishing the lens capsule-cortex plane prior to hydrodissection in Femto cases.
- The sharpened leading edge allows polishing of a portion of the anterior capsule.
- Overall length excluding hub: 19mm, 0.8 inches.



E4919* **Wortz-Whitman Femto Hydro-Dissection Cannula**

- Designed with a shovel tip to help separate the capsule from the lens.
- The fine, paddle-shaped tip is designed for separating cortical material from the capsule as well as opening corneal incisions and injecting viscoelastic in one move.
- Overall length excluding hub: 24mm, 0.9 inches.



E4905* **Wortz Femto Visco Dissector Cannula**

- Designed with a shovel tip to help separate the capsule from the lens.
- 25 Gauge.
- Overall length excluding hub: 28mm, 1.1 inches.



*Not Available in Canada.

ED7183* **Wortz Femto Visco Dissector**



- 25 gauge.
- Designed with a shovel tip to help separate the capsule from the lens.
- 10mm tip.
- Overall length excluding hub: 22mm, 0.9 inches.



E4902* **Wortz Femto Wound Hydration Cannula**

- This reusable cannula is designed to deliver a precise fluid flow for increased control during wound hydration.
- The tip design and curve facilitate sealing the wound without over inflating the anterior chamber or over hydrating the corneal stroma, making it especially useful in Femto cases.
- Overall length excluding hub: 20mm, 0.8 inches.



HYDRODISSECTION

ED7164 **Akahoshi Hydrodissection Cannula**



- 27 gauge.
- 1mm Akahgoshi tip.
- Overall length excluding hub: 22mm, 0.9 inches.



E4405* **Angled Hydrodissection Cannula**

- 27 gauge
- Designed with a short tip and a shaft angled at 95°.
- The tip opening is beveled for ease of insertion under the capsular flap.
- Overall length excluding hub: 17mm, 0.7 inches.



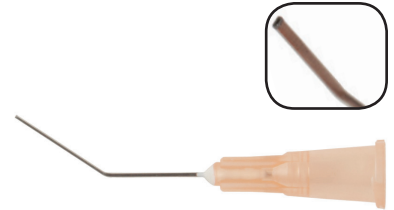
*Not Available in Canada.

Cannulas

ED7155 **Angled Flat Tip Hydrodissection Cannula**

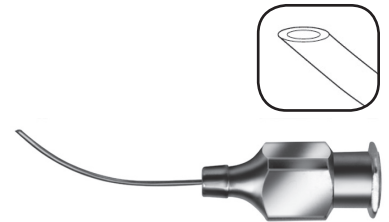


- Nucleus Hydrodissection Cannula.
- 25 gauge.
- Angled with flattened tip.
- 7.0mm angled shaft with flattened tip for insertion under the capsular flap.
- Overall length excluding hub: 22mm, 0.9 inches



E4413 BAR* **Barrett Hydrodelineation Cannula**

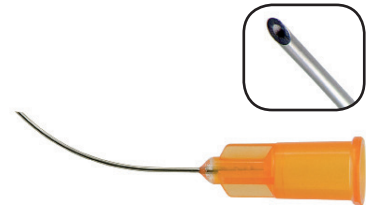
- This 25 gauge cannula is beveled up to provide easy insertion and injection of fluid for performing hydrodelineation of the lens nucleus.
- Overall length excluding hub: 20mm, 0.8 inches.



ED7162* **Barrett Lens Cannula**



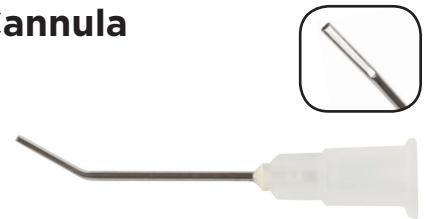
- This 25 gauge cannula is beveled up to provide easy insertion and injection of fluid for performing hydrodelineation of the lens nucleus.
- Overall length excluding hub: 20mm, 0.8 inches.



ED7157 **Bishop Harmon Irrigating Hydrodissection Cannula**



- 19 gauge.
- 8mm Bishop Harmon Irrigating tip.
- Overall length excluding hub: 25mm, 1.0 inches.



E4414 WS 25GA* **Brown Dissection Cannula**

- The broad olive tip of this angled cannula is designed to provide a stable surface to flip the cataract in the capsular bag and into the anterior chamber effectively executing the flip technique.
- Overall length excluding hub: 23mm, 0.9 inches.



*Not Available in Canada.

ED7160 Chang Hydrodissection Cannula



- 27 gauge.
- 1.25mm Chang tip.
- Overall length excluding hub: 22mm, 0.9 inches.



Hydrodissection

Single-Use Hydrodissection Cannula



- Overall length excluding hub: 22mm, 0.9 inches.

Catalog #	Gauge	Tip	Hub Color
ED7151	25	11mm	orange
ED7152	27	11mm	grey
ED7159	27	8mm	grey
ED7158	30	8mm	clear



Hydrodissection Cannula

- Designed for hydrodissection of the lens nucleus.
- 2.5mm “U” tip allows easy entrance through the phacoemulsification wound.
- Overall length excluding hub: 25mm, 1.0 inches.

Catalog #	Gauge	Orientation
E4417 L	25	Left
E4417 R	25	Right
E4417 L27	27	Left
E4417 R27	27	Right



E4417 S27 Hydrodissection Cannula Straight

- 27 gauge straight.
- Designed for hydrodissection of the lens nucleus.
- 3mm “U” tip allows easy entrance through the phacoemulsification wound.
- Overall length excluding hub: 25mm, 1.0 inches.



*Not Available in Canada.

Cannulas

J Shaped Straight Hydrodissection Cannula



- Straight with J-Tip.
- J-shaped tip allows aspiration and irrigation at the 12 o'clock position.
- Overall length excluding hub: 22mm, 0.9 inches.

Catalog #	Gauge	Tip	Hub Color
ED7154S	25	1.5x1.75mm	orange
ED7150	25	1.5x2.0mm	orange
ED7156	27	1.5x1.5mm	grey



E4419 Kellan Hydrodissection Cannula

- Gently curved 25 gauge cannula with flattened blunt tip to slip under the anterior capsular flap.
- Overall length excluding hub: 18mm, 0.7 inches.



Nichamin Hydrodissection Cannula

- Curved cannula designed to follow the scleral tunnel incision and anterior lens capsule.
- The unique flattened tip allows for a better fit under the capsular leaflet.
- Overall length excluding hub: 22mm, 0.9 inches.

Catalog #	Gauge
E4421 H	25
E4421 H27	27



E4422 Wiles Hydrodissection Cannula

- 25 gauge "J" cannula
- Gently angled 135° to facilitate hydrodissection.
- Overall length excluding hub: 19mm, 0.7 inches.



*Not Available in Canada.

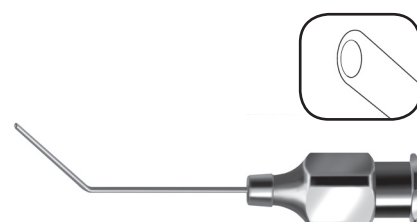
E4429* Wiles Hydrodissection Cannula MICS

- 25 gauge thin profile “J” style cannula allows easy manipulation in and out of the sub-2mm wound, while providing an adequate irrigating stream for both hydrodissection and hydrodelineation, as well as sub-incisional cortical clean up.
- Overall length excluding hub: 24mm, 1.0 inches.



E4425 25 Yalon Hydrodissection Cannula 25 Gauge

- A 25 gauge 45° angled cannula for hydrodissection.
- The tip has a unique feature, the irrigation port is on the side.
- This design is intended to allow more effective distribution of fluid around the nucleus.
- Overall length excluding hub: 22mm, 0.9 inches.



INFUSION

Infusion Cannula

- 20 gauge
- Beveled tip with luer lock adapter.
- Uses 26cm (10.2 inches) of silicone tubing (N5941 6).
- Polished finish.

Catalog #	Tip
MVS 1031	beveled 2.5mm
MVS 1033	beveled 4.0mm
MVS 1035	beveled 6.0mm



IRRIGATING

E4942 Adapter for Irrigators

- Adapts E4944 bulbs to cannula hubs.
- Polished finish.
- Overall length: 22mm, 0.9 inches.
- Order with the E4944 and E4922 to create the Bishop-Harmon Anterior Chamber Irrigator.



Cannulas

E4922 Bishop-Harmon Irrigating Cannula

- 19 gauge.
- Angled 39° shaft 5mm from tip to bend with flattened blunt tip.
- Polished finish.
- Overall length excluding hub: 25mm, 1.0 inches.
- Order with the E4942 and E4944 to create the Bishop-Harmon Anterior Chamber Irrigator.



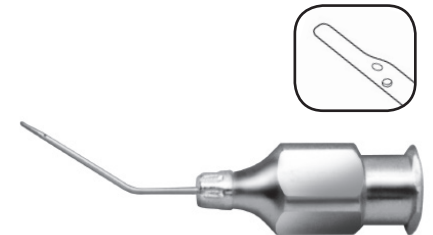
E4414 GW10 Gills-Welsh Olive Tip Cannula

- 25 gauge.
- Angled 45° shaft 10mm from tip to bend with 1mm smooth bulbous tip.
- Polished finish.
- Overall length excluding hub: 26mm, 1.0 inches.



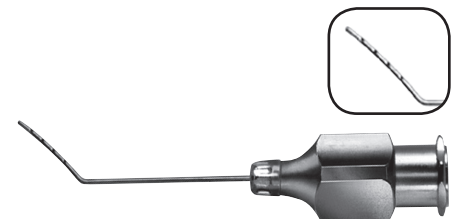
E4989 Lane LASIK Cannula

- Smooth 25 gauge cannula curved to fit the corneal curvature.
- Excellent for cleaning the stromal interface and floating the cap into place.
- Overall length excluding hub: 18mm, 0.7 inches.



E4996 Lindstrom Interface Cannula

- Gently curved 27 gauge cannula designed to allow controlled cleaning of the stromal interface.
- Overall length excluding hub: 19mm, 0.7 inches.



*Not Available in Canada.

E4923* Parekh Visco Manipulator Cannula

- This instrument combines a viscoelastic injection cannula with a blunt tip chopping instrument allowing the surgeon to easily and rapidly move from infusion of viscoelastic to phacoemulsification with one instrument.
- Angled shaft designed for ease of manipulation and control of the lens during the procedure.
- Viscoelastic infusion ports are located on the top of the cannula tip facilitating the infusion of viscoelastic into the dome of the cornea.
- Overall length excluding hub: 18mm, 0.7 inches.



Irrigating

E0510 Park Irrigating Cannula

- 19 gauge, angled 30° shaft.
- 12mm from tip to bend.
- Flattened tip with 5 ports.
- Polished finish.
- Overall length excluding hub: 32mm, 1.3 inches.



E4897 Probst Refractive Cannula 27 Gauge

- 27 gauge cannula with 7mm angled tip.
- Excellent for irrigating the flap made by the HANSATOME.
- Overall length excluding hub: 21mm, 0.8 inches.



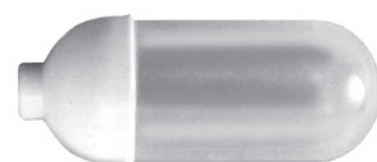
E4925 Shepard Incision Irrigating Cannula

- 30 gauge cannula with flattened 5mm angled tip for corneal wounds.
- Overall length excluding hub: 18mm, 0.7 inches.



E4944 Silicone Bulb

- Translucent silicone, 25mm in diameter.
- Overall length: 63mm, 2.5 inches.
- Order with the E4942 and E4922 to create the Bishop-Harmon Anterior Chamber Irrigator.

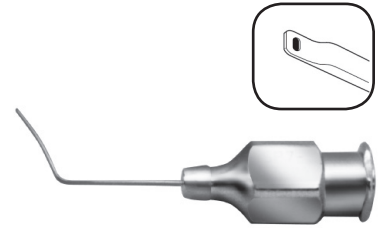


*Not Available in Canada.

Cannulas

E4407 Slade Refractive Cannula

- Flattened 26 gauge cannula with port on top to facilitate interface cleansing and flap replacement.
- Overall length excluding hub: 15mm, 0.6 inches.



E4414 Troutman Alpha-Chymotrypsin Cannula

- 25 gauge.
- Curved shaft with 1mm smooth bulbous tip.
- Polished finish.
- Overall length excluding hub: 27mm, 1.1 inches.



IRRIGATING/ASPIRATING

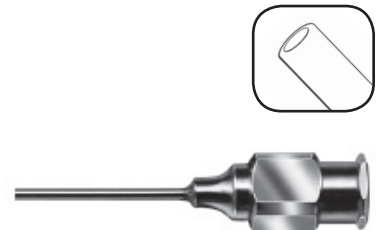
E4395 3 McIntyre Inner Cannula (with side port)

- 23 gauge inner cannula with 0.3mm side port.
- Polished finish.
- Overall length excluding hub: 46mm, 1.8 inches.



E4395 6 McIntyre Straight Outer Cannula

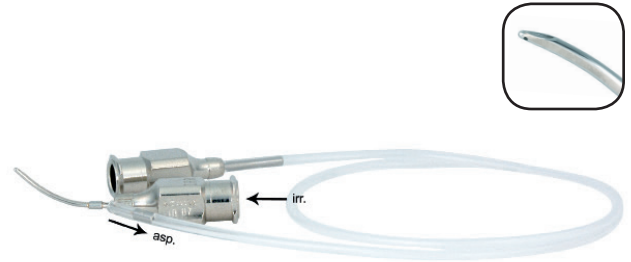
- 19 gauge outer cannula with straight untapered end.
- Polished finish.
- Overall length excluding hub: 17mm, 0.7 inches.



*Not Available in Canada.

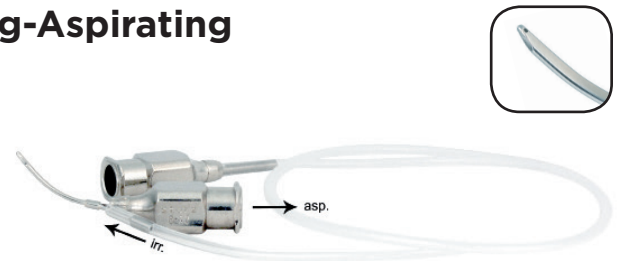
E4971 Simcoe Double-Barreled Irrigating-Aspirating Unit

- 23 gauge thin wall irrigation and aspiration.
- Aspiration through 0.3mm top port, with irrigation through side opening.
- Curved shaft.
- Uses 32cm (12 inches) of silicone tubing (N5941 4).
- Polished finish.
- Irrigation through main hub, aspiration through silicone tubing.
- Overall length excluding hub: 15mm, 0.6 inches.



E4971 R Simcoe Double-Barreled Irrigating-Aspirating Unit Reverse

- Reverse unit.
- 23 gauge thin wall irrigation and aspiration.
- Aspiration through 0.3mm top port, with irrigation through side opening.
- Curved shaft.
- Uses 32cm (12.6 inches) of silicone tubing (N5941 4).
- Polished finish.
- Aspiration through main hub, irrigation through silicone tubing.
- Overall length excluding hub: 15mm, 0.6 inches.



MISCELLANEOUS

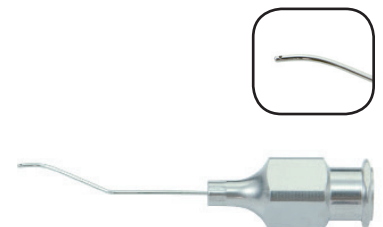
E4399 Cannula Protector

- Made of Teflon.
- Adapts to cannula hubs.
- 10mm outer diameter.
- Overall length: 50mm, 2.0 inches.



E4931* Chee Femto Hydro Crack Cannula

- 26 Gauge irrigating cannula with side ports designed to facilitate the dissection of the femto treated lens nucleus.
- The tip of the cannula is inserted into the incisions while irrigating to split the lens for ease of fragment removal.
- Overall length excluding hub: 20mm, 0.8 inches.



*Not Available in Canada.

Cannulas

Miscellaneous

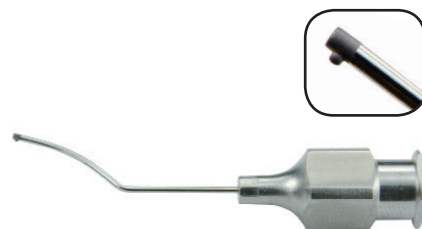
ED7161* **Cortex Cannula 23 Gauge**

- Excellent for cortex removal at the 12 o'clock position.
- Gently curved 23-gauge shaft for ease of manipulation.
- Silicone tubing is used for connecting to an aspiration line.
- Overall length excluding hub: 25mm, 0.9 inches.
- 10/box.



E4430* **Daya ICL Cannula**

- Designed for manipulation of Implantable Collamer Lens and injection of BSS & viscoelastics during implantation.
- The instrument's curved design follows the shape of the eye, allowing for greater ease of use in the tight confines of an ICL.
- Overall length excluding hub: 23mm, 0.9 inches.



MVS 1022 **Irrigating Cannula Handpiece**

- 8mm diameter Delrin® handpiece.
- 90mm handle with grooves for grip.
- Standard male luer taper fits most cannula hubs and female luer taper accepts I/A tubing connectors and irrigation lines.



ED7184 **Lacrimal Cannula**



- Straight tapered tip.
- 19-23 Gauge
- Overall length excluding hub: 28mm, 0.9 inches.



ED7187 **Lacrimal Cannula**



- Curved tip.
- 25 Gauge.
- Overall length excluding hub: 28mm, 0.9 inches.

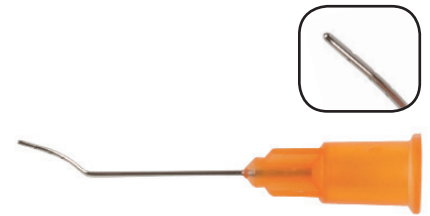


*Not Available in Canada.

ED7171 Lindstrom Cannula, 25 Gauge



- 25 Gauge.
- Overall length excluding hub: 22mm, 0.9 inches.



Miscellaneous

E4968 A Male to Male Cannula Adapter

- Delrin® male luer adapter for connecting aspiration cannulas to aspiration tubing.
- Overall length: 38mm, 1.5 inches.



MVS 1023* Male-to-Male Irrigating Cannula Adapter

- 8mm diameter.
- Delrin® handpiece with grooves for grip.
- Standard male luer taper on both ends fits most cannula hubs and aspirating lines.
- Overall length: 104mm, 4.1 inches.



E0504 Randolph Cyclodialysis Cannula

- 19 gauge cannula.
- Flattened shaft 12mm from tip to bend.
- Tip has opening.
- Polished finish.
- TIP: Flattened.
- Overall length excluding hub: 27mm, 1.1 inches.



E0506 Randolph Cyclodialysis Cannula More Flattened

- 19 gauge cannula.
- Flattened shaft 12mm from tip to bend.
- Tip has opening.
- Polished finish.
- TIP: More Flattened.
- Overall length excluding hub: 26mm, 1.0 inches.



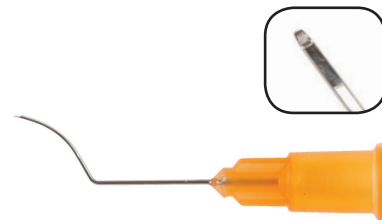
*Not Available in Canada.

Cannulas

ED7170 Slade LASIK Cannula 25 Gauge



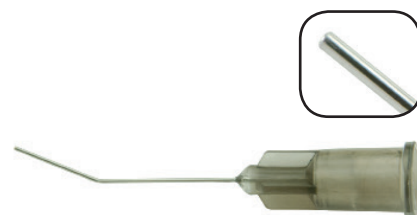
- 25 Gauge.
- Overall length excluding hub: 22mm, 0.9 inches.



ED7182 Viscoelastic Cannula 27 Gauge



- 27 Gauge.
- Angled.
- 7.0mm angled tip cannula with unique hub that facilitates flow of viscoelastic material.
- Overall length excluding hub: 25mm, 1.0 inches.



E0497 Viscoelastic Injection Cannula

- 21 gauge.
- Angled 50° shaft.
- 5mm from tip to bend.
- Flattened rounded tip.
- Dull finish.
- Overall length excluding hub: 29mm, 1.1 inches.

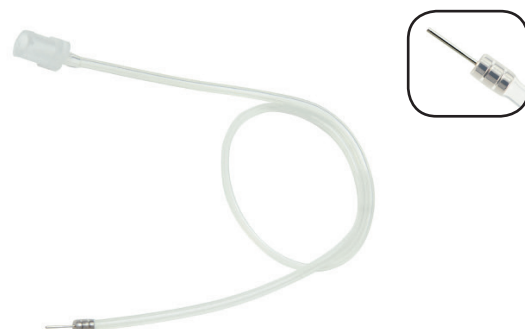


VITREORETINAL

6mm Infusion Line

- Polished finish
- Beveled tip with luer lock adapter.
- Uses 26cm (10.2 inches) of silicone tubing.

Catalog #	Gauge
MVS1069*	23
MVS1070*	25



*Not Available in Canada.

MVS 1038A Infusion Cannula 4.0mm



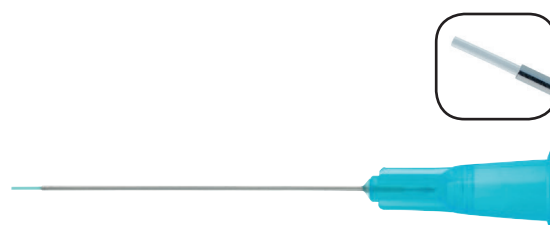
- 20 gauge
- 4.0mm beveled tip and Luer Lock Adapter.



Soft Tip Subretinal Fluid Aspirating Cannula



- Used for aspirating fluids off the surface of the retina.
- Prevents damage that could be caused with use of a rigid tip.

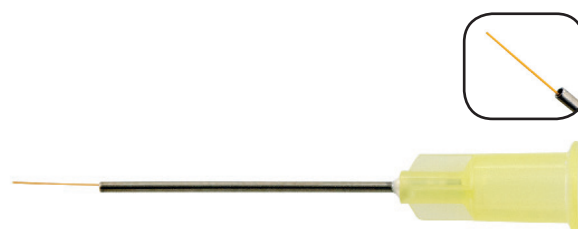


Catalog #	Gauge	Tip	Hub Color	Length (excluding hub)
BL7821*	20	3.0mm	yellow	31mm, 1.2 inches
BL7823	23	3.0mm	blue	34mm, 1.3 inches
BL7725	25	1.5mm	orange	31mm, 1.2 inches

Retinal Hydrodissection Cannula



- Used for hydrodissecting the retina for various macular hole procedures.
- I.D. flexible tip.
- Overall length excluding hub: 32mm, 1.3 inches.



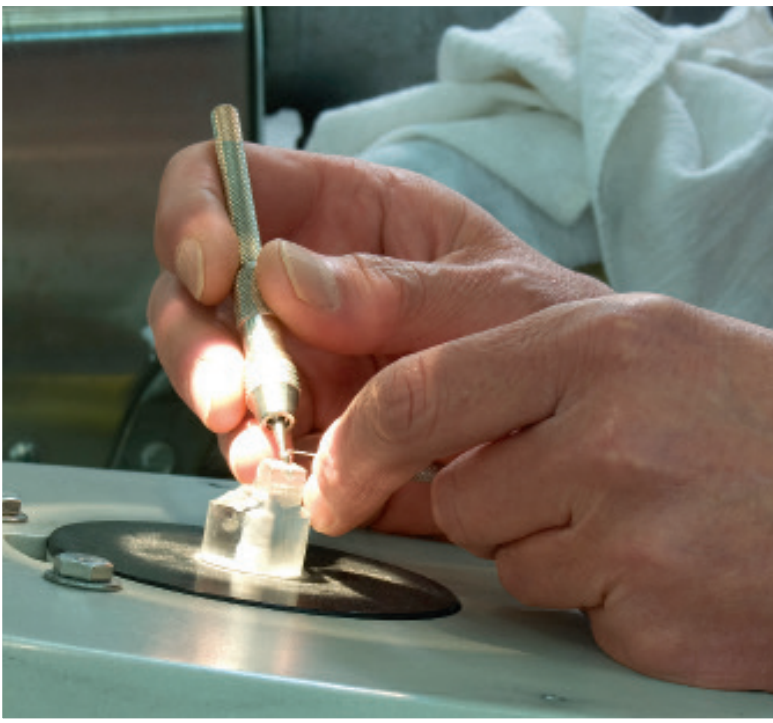
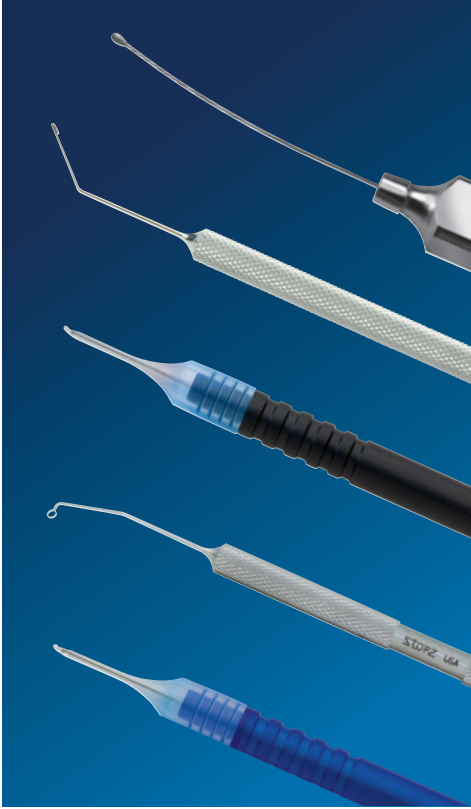
Catalog #	Gauge	Tip
ED7365	20 tapers to 39	3.0mm
ED7370	20 tapers to 41	3.0mm

*Not Available in Canada.

CAPSULE POLISHERS

Single-Use34

Reusable35



Capsule Polishers

CAPSULE POLISHERS SINGLE-USE

CapsuleGuard® I/A Handpiece



- Features a flexible tip design for effective cortical removal.
- Smooth irrigation and aspiration ports eliminate sharp edges for reduced risk of capsule rupture.
- Silicone tip design facilitates cortex removal, capsule polishing, viscoelastic removal and IOL manipulation in the capsular bag and the semi-transparent silicone sleeve allows visualization.
- Fully assembled single-use design is provided for consistency and convenience.
- Overall length: 138mm, 5.4 inches.



Stellaris® Systems

Catalog #

85914ST*

85912ST*

85913ST*

85915ST*

85910ST

Tip

Straight

Straight

Curved

45°

45°

Size

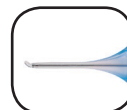
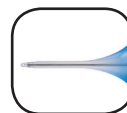
MICS™

Standard Incision 2.2-2.8mm

Standard Incision 2.2-2.8mm

MICS™

Standard Incision 2.2-2.8mm



Other Systems

Catalog #

85914S*

85912S*

85913S*

85915S*

85910S

Tip

Straight

Straight

Curved

45°

45°

Size

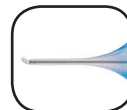
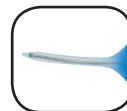
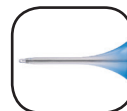
MICS™

Standard Incision 2.2-2.8mm

Standard Incision 2.2-2.8mm

MICS™

Standard Incision 2.2-2.8mm



*Not Available in Canada.

Capsule Polishers

ED7141 Capsule Polisher Sideport

10



STERILE

- 21 gauge.
- Overall length excluding hub: 22mm, 0.9 inches.



ED7153 Silicone Capsule Polisher

10



STERILE

- Silicone cap to provide squeegee effect.
- 27 gauge.
- Overall length excluding hub: 22mm, 0.9 inches.



CAPSULE POLISHERS REUSABLE

E0646* Carter Cell Sweeper 0°

- Designed for removal of the lens epithelial cells while the IOL is in place.
- Straight tip is small enough to fit through a side port incision and allows for efficient polishing in the areas opposite the incisions.
- Use with the E0647 Carter Cell Sweeper 90° for full 360° epithelial cell removal.
- Overall length: 121mm, 4.75 inches.



E0647* Carter Cell Sweeper 90°/90°

- Designed for removal of the lens epithelial cells while the IOL is in place.
- This double-ended instrument features tips oriented 90° right/left to the shaft and designed to fit through the side port incision.
- The tips are bent and rounded to allow for efficient polishing in the areas to the left and right of the incision.
- Use with the E0646 Carter Cell Sweeper 0° for full 360° epithelial cell removal.
- Overall length: 121mm, 4.75 inches.



Capsule Polishers Single-Use • Capsule Polishers Reusable

*Not Available in Canada.

Capsule Polishers

E0645 Hu Capsule Polisher

- The unique design of this polisher provides flexibility and ease of use in removing lens epithelial cells.
- The ring, set at 90° from the shaft can be used to polish the posterior capsule and anterior leaflet on both the left and right sides of the capsule by flipping the instrument over.
- To polish the sub-incisional capsule, rotate the polisher ring down and move from left to right.
- Overall length: 122mm, 4.8 inches.



E0511 ED Jensen Capsule Polisher

- 27 gauge cannula with gently curved shaft.
- Olive tip with lower half electro-dusted.
- Polished finish.
- Overall length: 27mm, 1.1 inches.



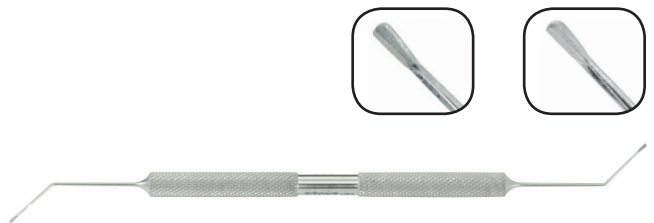
E0525* Pepose Micro Capsule Polisher

- Designed for polishing the underside of the anterior capsular leaflets, which is an essential step prior to placement of an accommodating IOL.
- The polishing tips are small enough to fit through both the main phaco incision as well as the side port incision, facilitating 360° polishing.
- Overall length: 128mm, 5.0 inches.



E0511 Safran Capsule Sweep Polisher

- Double-ended design features a paddle that is angled for both left and right capsule polishing.
- The tip is designed for effective removal of the lens epithelial cells.
- Overall length: 111mm, 4.4 inches.



*Not Available in Canada.

Capsule Polishers

E4969 CS **Simcoe Capsule Scrubber**

- 23 gauge cannula.
- Curved shaft with sandblasted 2mm distal tip.
- Polished finish.
- Overall length: 13mm, 0.5 inches.



E0558 PS **Simcoe Posterior Capsule Polisher**

- 23 gauge cannula with sandblasted tip.
- Shaft angled 45°, 14mm from tip to bend.
- Polished finish.
- Overall length: 16mm, 0.6 inches.



E4969 R **Simcoe Posterior Capsule Scrubber**

- 23 gauge cannula with curved shaft.
- Reverse aperture.
- Polished finish.
- Overall length: 13mm, 0.5 inches.



E0643* **Stephenson Capsule Polisher**

- This instrument features a 45° angled shaft with a donut shaped ring which is sandblasted for atraumatic polishing of the posterior capsule, capsular fornix and anterior capsular leaflet.
- The tip has been miniaturized to fit comfortably through a 1.8mm micro incision cataract (MICS) wound.
- Overall length: 117mm, 5.0 inches.



E0523 **Whitman Shepherd Double-Ended Capsule Polisher**

- This instrument is designed for removing LECs from the inner surface of the capsule.
- The circular ends are ideal for cleaning the equator of the capsular bag prior to Crystalens® insertion.
- The double ended design provides a left angled and right angled polisher on one handle for surgeon convenience.
- Overall length: 130mm, 5.1 inches.



*Not Available in Canada.

CHOPPERS, MANIPULATORS & HOOKS

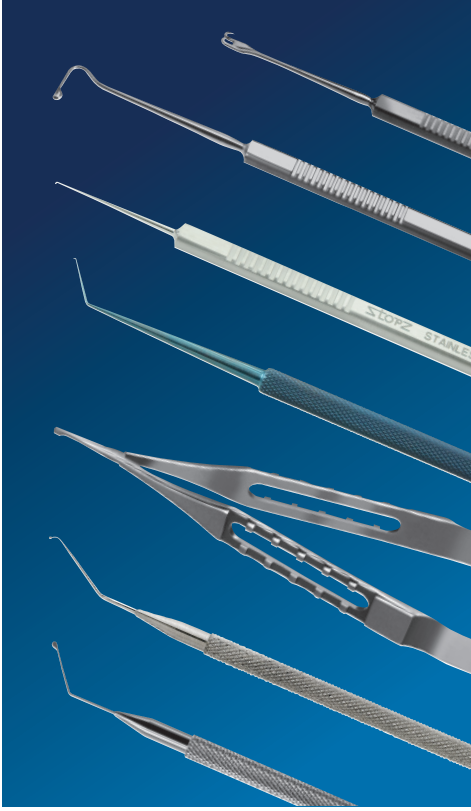
Choppers - Prechoppers..... 40

Choppers - Lens41

Manipulators47

Hooks - Fixation58

Hooks - Muscle.....59

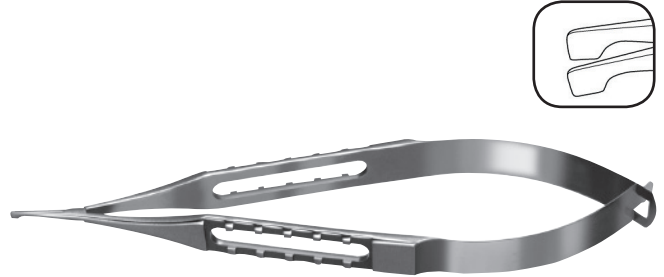


Choppers, Manipulators & Hooks

CHOPPERS - PRECHOPPERS

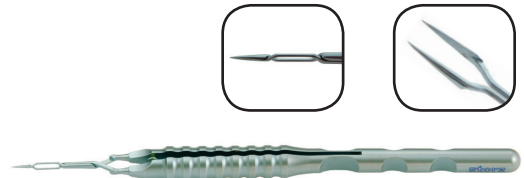
2-800 A. W. Brown Nucleus Cracker

- A reverse action instrument with paddle tips to provide a solid surface to crack the nucleus.
- When used in a scleral tunnel, the reverse action mechanism allows increased flexibility in positioning the instrument tips.
- Titanium.
- Overall length: 98mm, 3.9 inches.



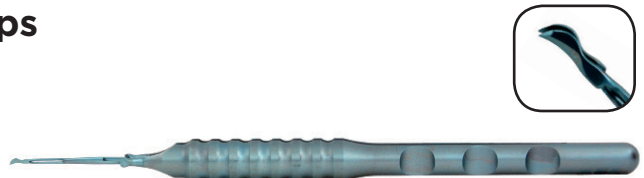
ET2051 M Akahoshi Prechop Forceps Straight

- Sharp, smooth, pointed tips on a straight shaft designed to easily penetrate the lens nucleus.
- The round handle is a reverse cross action style that allows the tips to fully open to 2.5mm with a 1.7mm maximum width at the incision point.
- Overall length: 123mm, 4.8 inches.



ET2056A Salvitti Akahoshi Prechop Forceps

- Fine micro jaws are ideal for insertion into the cataract for the pre-chopping technique.
- The cross action handle of this instrument allows for maximum tip spread with minimal wound distortion.
- Titanium.
- Overall length: 123mm, 4.8 inches.



ET2057* Singh Akahoshi MICS Nucleus Cracker

- This instrument is used for the divide and conquer or prechop technique to split the nucleus prior to segment removal during cataract surgery.
- The versatile cross action tip can be used in a multitude of incision sizes, including sub-2.0mm MICS procedures.
- The large, roughened surface area of the paddle shaped tip grips a greater surface area of the nucleus to facilitate chopping.
- Overall length: 119mm, 4.7 inches.



*Not Available in Canada.

Choppers, Manipulators & Hooks

E0741 Slade Coaxial Chopper

- This microincision coaxial chopper is designed for use in femtosecond laser cataract techniques.
- The instrument features two 90° flat tips that separate as the handle is squeezed.
- These are designed to assist in the separation of nuclear cracks.
- This instrument is designed to fit through incisions as small as a 0.8mm.
- Use with ET8190 H Fixed Coaxial Handle, sold separately.
- Overall length excluding hub: 24mm, 0.9 inches.



E0740 Slade Vertical Nucleus Cracker

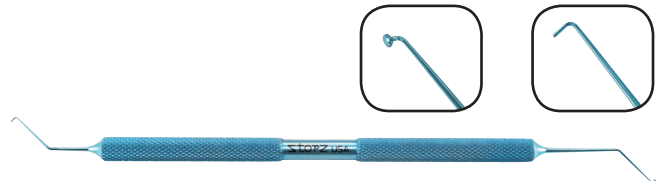
- This microincision vertical chopper is designed for use in femtosecond laser cataract techniques.
- The instrument features two tips that separate as the handle is squeezed.
- Designed to fit through incisions as small as 0.8mm.
- Overall length excluding hub: 28mm, 1.1 inches.



CHOPPERS - LENS

ET1104 Anderson-Barrett Manipulator

- Designed for use in conjunction with the E0117 Anderson diamond knife.
- This manipulator has tapered shafts to help reduce side port leakage.
- The double-ended instrument has a nucleus chopper at one end combined with a mini Barrett mushroom tip on the opposite end for manipulation of iris, capsule, lens fragments and intraocular lenses.
- Titanium.
- Overall length: 132mm, 5.2 inches.



MVS1093 20 Braga-Mele 20 Gauge Side Out Chopper

- Bimanual irrigating chopping instrument used for Microincision Cataract Surgery.
- 20 gauge with angled chopping tip.
- Lightweight titanium handle.
- Overall length: 109mm, 4.3 inches.



*Not Available in Canada.

Choppers, Manipulators & Hooks

E0756 Braga-Mele Quick-Chopper

- The slender tip of this instrument provides excellent penetration into the lens.
- The tip has been blunted to reduce the chance of posterior capsule interference.
- The instrument is easily rotated under the lens to support and raise quadrants into the tip of the phaco handpiece.
- The interior of the tip is sharp and is ideal for moderate to dense nuclei.
- Overall length: 115mm, 4.5 inches.



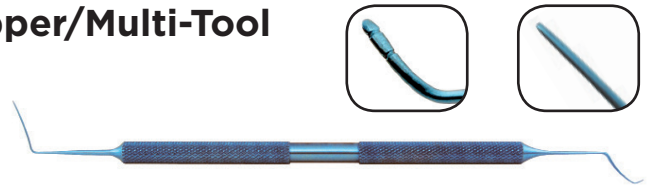
E0749* Curved Micro Blunt Chopper

- This capsule-friendly instrument is designed with a 0.5mm ball tip and fine shaft for chopping in any direction.
- The tip is angled 105° from the shaft.
- Overall length 117mm, 4.6 inches.



ET0703 Devgan Universal Cataract Chopper/Multi-Tool

- This universal cataract instrument is designed to allow multiple functions in one simple and efficient instrument.
- The chopping tip is designed to provide excellent control of the nucleus with vertical, horizontal or tilt-chop, as well as other techniques.
- The gently curved and smooth tip, designed to protect the posterior capsule, features grooves intended to engage the optic or haptics for IOL manipulation and for iris push-pull in small pupil cases.
- A traditional spatula is designed for intraocular manipulation of iris, lens fragments and vitreous.
- Overall length 137mm, 5.4 inches.



E0651 Hu Femto Side-Port Chopper

- The Hu Femto Side-Port Chopper is specially designed with a gentle bend to fit through the side-port incision.
- The chopping tip has been crafted to manage the femto treated lens during nucleus removal.
- Overall Length: 115mm, 4.5 inches.



*Not Available in Canada.

Choppers, Manipulators & Hooks

ET0736 Jewelewicz Rosen Chopper

- This instrument provides an effective second instrument during chopping or divide-and-conquer phacoemulsification techniques.
- It offers ease of manipulation or rotation a half or quarter thanks to the elongated vertical surface.
- The surface facing the lens is beveled to a cutting edge to aid horizontal chopping.
- This chopper has rounded blunt surfaces on the posterior and inferior aspects of the instrument.
- 1.4mm tip.
- Overall length: 112mm, 4.4 inches.



Choppers - Lens

E0621 Kavanagh Nucleus Sustainer/Chopper

- Useful in stabilizing the cataract nucleus while using a prechop forceps for dense (4+) nuclear sclerotic cataract or in the presence of weak zonules.
- The slim angle of the sustainer also makes it ideal for horizontal chopping of the nucleus and the rounded tip offers capsule protection during emulsification of nuclear pieces.
- Overall length: 123mm, 4.8 inches.



SUF01* Koch Stop & Chop Manipulator



- This instrument features an angled shaft with a 1.5mm tip.
- It is designed to assist in performing the “Stop and Chop” technique.
- Overall length: 116mm, 4.6 inches.



E0713 Koch Stop and Chop Manipulator

- Angled shaft with 1.5mm tip designed to efficiently perform the “Stop and Chop” technique.
- Round knurled handle.
- Overall length: 115mm, 4.5 inches.



*Not Available in Canada.

Choppers, Manipulators & Hooks

ET0713 Koch Stop and Chop Manipulator Titanium

- Angled shaft with 1.5mm tip designed to efficiently perform the “Stop and Chop” technique.
- Round knurled handle.
- Titanium.
- Overall length: 112mm, 4.4 inches.



ET1103 Maloney Quick-Chop Chopper

- This double-ended manipulator was designed to facilitate supracapsular and endocapsular procedures.
- The manipulator is used in conjunction with the phaco tip to separate the nucleus in a “Quik-Chop” technique developed by Dr. William Maloney.
- Titanium.
- Overall length: 130mm, 5.1 inches.



E0747 Micro-Chop Lens Manipulator

- Ideal for chopping as well as for use during divide-and-conquer procedures where lens control is critical.
- The 90° curve and ball tip helps protect the capsule during phaco procedures.
- Overall length: 118mm, 4.6 inches



Nagahara Nucleus Chopper

- Nucleus divider with 1.75mm tip and blade offset at a 60° angle is ideal for performing the “Phaco Chop” technique.
- Round knurled handle.
- Overall length: 122mm, 4.8 inches.



Catalog

E0578 L

Left

E0578 R

Right

*Not Available in Canada.

Choppers, Manipulators & Hooks

Nagahara Nucleus Chopper Titanium

- Nucleus divider with 1.75mm tip and blade offset at a 60° angle is ideal for performing the “Phaco Chop” technique.
- Round knurled handle.
- Titanium.
- Overall length: 122mm, 4.8 inches.

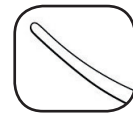
Catalog

ET0578 L	Left
ET0578 R*	Right



E0570 N Nichamin Double-Ended Nucleus Chopper Spatula

- Wedge-shaped chopper designed to allow nucleus chopping in three directions
- 1.25mm tip.
- Rounded tip highly polished to protect the posterior capsule.
- 0.5mm spatula end is used to manipulate softer nuclei.
- Round knurled handle.
- Overall length: 142mm, 5.5 inches.



E0726 Nichamin Nucleus Divider

- Blunt, chisel tip nucleus divider with oval shaft to assist in sealing paracentesis wound.
- Angled 50° from shaft.
- Overall length: 116mm, 4.6 inches.



ET2997 Osher Double-Ended Femto Wound Dissector

- Dual paddles allow the surgeon to open all femtosecond incisions prepared by the laser with one instrument.
- Double-ended design provides a horizontal paddle that assists with opening the phaco wound and the side-port incision.
- A second vertical paddle with a squared off nose is used to support the expansion of the astigmatism incision.
- Once the wound is opened, the paddle can be inserted into the wound opening and double as a chopper/lens manipulator.
- Overall Length: 133mm, 5.2 inches.



*Not Available in Canada.

Choppers, Manipulators & Hooks

E0590 Seibel Ambidextrous Chopper

- Olive tip.
- Oval shaft behind tip provides efficient chopping of the lens nucleus.
- Overall length: 117mm, 4.6 inches.



E0729* Snapper Lens Chopper

- Designed to gently manipulate the cataract during lens removal.
- The blunt leading surface is designed to be atraumatic while the inner aspect provides a wedge-shaped chopping edge for efficient dissection of the lens nucleus.
- Angled shaft offers flexibility and ease of manipulation.
- Overall length: 112mm, 4.4 inches.



E0584 Sweeney Manipulator Cracker

- Angled for easy insertion into side port incision for manipulation of nucleus.
- Flat, paddle-like tip for placement in groove to crack the nucleus for emulsification.
- Overall length: 110mm, 4.3 inches.



ET0584 Sweeney Manipulator Cracker Titanium

- Angled for easy insertion into side port incision for manipulation of nucleus.
- Flat, paddle-like tip for placement in groove to crack the nucleus for emulsification.
- Titanium.
- Overall length: 110mm, 4.3 inches.



ET1106* Tran Femto Ergo Chopper

- The titanium Tran Femto Ergo Chopper features a capsule friendly ball tip and angled neck with a horizontal chopping edge.
- The angulation is designed to reduce force on the capsule opening when reaching under the anterior chamber and orienting the chopper in line with the Phaco needle for efficient chopping.
- The second tip features a blunt spatula, ideal for opening femto corneal incisions.
- Overall length: 134.6mm, 5.3 inches.

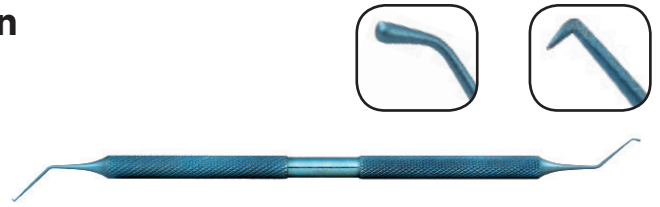


*Not Available in Canada.

Choppers, Manipulators & Hooks

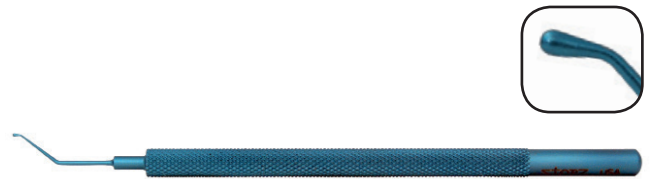
ET0735 **Wallace Double-Ended Guardian & Quick Chopper**

- This instrument combines the Wallace Guardian Chopper with a quick chopper tip for versatility.
- The guardian chopper has a gently angled blunt chopping tip designed for effective chopping while protecting the posterior capsule.
- Angled shaft for ease of manipulation.
- The quick chopper tip is angled to facilitate excellent manipulation and lens chopping.
- Titanium.
- Overall length: 132mm, 5.2 inches.



ET0734 **Wallace Guardian Chopper**

- Gently angled blunt chopping tip designed for effective chopping while protecting the posterior capsule.
- Angled shaft for ease of manipulation.
- Titanium.
- Overall length: 112mm, 4.4 inches.



MANIPULATORS

E4933 **Barrett Micro Mushroom Manipulator**

- Ideal for nucleus manipulation during phacoemulsification.
- Also used for manipulating and rotating IOLs within the anterior chamber.
- Round knurled handle.
- Overall length: 118mm, 4.6 inches.



E4937 **Bechert Nucleus Rotator**

- Y shape rotator tip.
- Shaft angled 7mm from tip to bend.
- Round knurled handle with polished finish.
- Overall length: 121mm, 4.7 inches.



ET4937* **Bechert Nucleus Rotator Titanium**

- Y shape rotator tip.
- Shaft angled 7mm from tip to bend.
- Round knurled handle with polished finish.
- Titanium.
- Overall length: 121mm, 4.7 inches.



*Not Available in Canada.

Choppers, Manipulators & Hooks

E4937 M Mackool-Bechert Nucleus Rotator

- The popular Bechert Nucleus Rotator has been modified to have the shaft angled 11mm from tip to bend for ease of manipulation of the lens nucleus in the anterior chamber.
- Round knurled handle.
- Overall length: 119mm, 4.7 inches.



E0549 D Bonn Iris Hook

- Curved 0.3mm hook.
- Flat serrated handle with dull finish.
- Overall length: 123mm, 4.8 inches.



E0636* Brody Multipurpose Manipulator

- Designed to manipulate and chop lenses during Phacoemulsification.
- The broad surface facilitates moving lens fragments to the needle while the front and rear notches allow hooking and pushing iris tissue, placement and removal of pupil expansion rings and IOL manipulation.
- Overall length: 110mm, 4.3 inches.



E0542 Clayman Guide

- 0.2mm Sinskey hook with shaft angled 45°. 10mm from tip to bend.
- Flat smooth handle with polished finish.
- Overall length: 116mm, 4.6 inches.



E0527* Devgan Intraocular Suturing Hook

- This instrument is designed for use in cases where intraocular suturing is necessary, such as repairing an iris defect or suturing an IOL.
- The delicate pigtail tip is configured to facilitate capturing the suture through a paracentesis incision.
- Overall length 114mm, 4.5 inches.

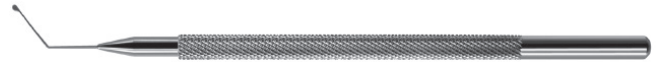


*Not Available in Canada.

Choppers, Manipulators & Hooks

E0629 Drysdale Nucleus Manipulator

- Flattened paddle tip with generous surface area is ideal for manipulating tissue, rotating, and cracking the nucleus.
- Round knurled handle.
- Overall length: 110mm, 4.3 inches.



Manipulators

SUF04* Drysdale Nucleus Manipulator



- Flattened paddle tip with generous surface area.
- Ideal for manipulating tissue, rotating and cracking the nucleus.



ET1208 Drysdale Nucleus Manipulator Titanium

- Flattened paddle tip with generous surface area.
- Ideal for manipulating tissue, rotating, and cracking the nucleus.
- Titanium.
- Handle designed after the Stellaris® System handpiece.
- Overall length: 112mm, 4.4 inches.



E0572 Fenzl Insertion Hook

- Angled 45°, 10mm shaft with 0.2mm tip.
- Round knurled handle with dull finish.
- Overall length: 117mm, 4.6 inches.



ET6005 Gonzalez Suture Assist Hook

- Designed to help pass a suture from the anterior segment to the posterior segment.
- 23 gauge shaft fits through a 23 gauge trocar cannula to reach from the pars plana into the anterior capsule.
- Designed for use with a 4-0 or finer suture.
- Overall length: 117mm, 4.6 inches.



*Not Available in Canada.

Choppers, Manipulators & Hooks

ET0738* **Grayson Biaxial Combo Manipulator**

- This modified design of the Grayson Manipulator features a depression in the tip ends to assist with applying pressure.
- One end is comprised of a flattened paddle tip with a smooth, defined internal edge that is designed for manipulating tissue, rotation and cracking the nucleus.
- The other end features a kuglen hook tip design.
- The instrument can be unscrewed allowing the use of both ends in a bi-manual procedure.
- Overall Length: 132mm, 5.2 inches.



ET0732 **Grayson Combo Manipulator Titanium**

- Combo manipulator includes the popular Grayson Manipulator with a Kuglen hook on the other end.
- Titanium.
- Overall length: 132mm, 5.2 inches.



E0725 **Grayson Nucleus Manipulator**

- Flattened paddle tip with smooth, defined internal edge is ideal for manipulating tissue, rotation and cracking the nucleus.
- Overall length: 112mm, 4.4 inches.



E0549 H **Hirschman Iris Hook**

- H shaped 0.75mm hook angled 45°.
- 9mm from tip to bend.
- Round knurled handle with polished finish.
- Overall length: 122mm, 4.8 inches.



SUF05* **Horizontal Y-Hook Nucleus Manipulator**



- Y-shaped nucleus rotator with horizontal Y-hook rotator tip.

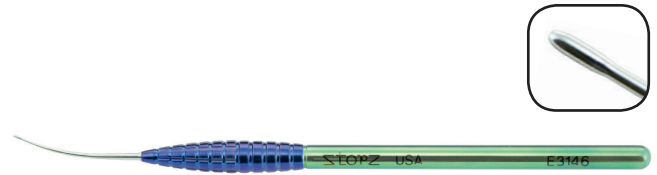


*Not Available in Canada.

Choppers, Manipulators & Hooks

E3146* **John DMEK Manipulator**

- DMEK is mostly a no-touch, surgical technique.
- However, if there is a need for manual unfolding of the donor DM within the recipient anterior chamber, the smooth olive tip of this manipulator comes in handy to facilitate DM unfolding due to its highly polished, low-profile, smooth olive tip design.
- Overall length: 119mm, 4.7 inches.



Manipulators

E0567 **Kuglen Iris Hook and Lens Manipulator**

- Designed for iris retraction and IOL manipulation.
- Straight shaft with 0.5mm "K" hook.
- Flat smooth handle with dull finish.
- Overall length: 119mm, 4.7 inches.



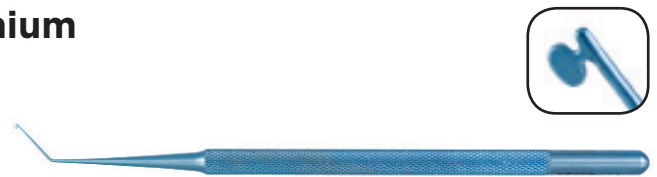
6-400 **Kuglen Push Pull Hook**

- Small "H" shaped push-pull tip.
- Shaft angled 45°, 9mm from tip.
- Round knurled handle with dull finish.
- Titanium.
- Overall length: 124mm, 4.9 inches.



ET0524* **Kuglen Push Pull Iris Hook Titanium**

- This instrument features a small oval shaped push-pull tip designed to engage intraocular structures including iris, capsule and the IOL.
- The shaft is angled 45° and features a round knurled handle.
- Titanium.
- Overall length: 124mm, 4.9 inches.



E0571 **Lester Lens Manipulator**

- Straight shaft with 0.2mm hourglass shape tip.
- Round knurled handle with dull finish.
- Overall length: 118mm, 4.6 inches.



*Not Available in Canada.

Choppers, Manipulators & Hooks

ET0571 **Lester Lens Manipulator Titanium**

- Straight shaft with 0.2mm hourglass shape tip.
- Round knurled handle with dull finish.
- Titanium.
- Overall length: 118mm, 4.6 inches.



ET1213 **Lester Lens Manipulator Titanium**

- Straight shaft with 0.2mm hourglass shape tip.
- Titanium.
- Handle is designed to resemble the Stellaris® System handpiece.
- Overall length: 119mm, 4.7 inches.



ET0571 A **Lester Lens Manipulator Angled**

- Angled shaft with 0.2mm hourglass shape tip.
- Round knurled handle.
- Titanium.
- Overall length: 115mm, 4.5 inches.



E0529 **Lindstrom Lens Positioner**

- This versatile instrument features a semi-sharp tip, allowing the surgeon to position an intraocular lens by engaging optic material.
- It is especially designed for the Crystalens® and Akreos® lenses and will facilitate movement of the lens without marking it.
- Overall length: 117mm, 4.6 inches.



ET7405 **Mackool Cataract/Capsular Support Hook**

- Used in patients with poor zonular support during routine phaco.
- Individual retractors are inserted to capture margins of capsulorhexis.
- Gradual tightening of each retractor provides excellent fixation of capsular sac and fornices.
- Four to eight hooks recommended.



*Not Available in Canada.

Choppers, Manipulators & Hooks

E0579 **Maloney No-Hole Manipulator**

- Teardrop shape tip with post.
- Round knurled handle with dull finish.
- Overall length: 120mm, 4.7 inches.



E0549 **Maumenee Iris Hook 1.5mm Sharp**

- Sharp, 1.5mm hook.
- Flat serrated handle with polished finish.
- Overall length: 123mm, 4.8 inches.



E0569 **O’Gawa Lens Dialer**

- Excellent for manipulation of the intraocular lens in the capsular bag.
- The angled and curved shaft allows the instrument to reach across the implant and catch the optic/haptic junction to facilitate dialing the lens.
- Overall length: 118mm, 4.6 inches.



E0577 **Osher “Y” Hook**

- Designed for manipulating one piece lenses. The “Y” hook is excellent for capturing haptics and centering the lens
- Straight shaft with “Y” shaped tip. Round knurled handle with dull finish.
- Overall length: 124mm, 4.9 inches.



E0606 **Osher Nucleus Manipulator Straight**

- Smaller than the Kuglen hook, this manipulator serves as an all purpose instrument.
- Blunt finger-like 0.5mm two-prong tip.
- Round knurled handle allows ease of rotation for excellent instrument control.
- May also be utilized when ushering the IOL out of the eye during explant procedures.
- Overall length: 115mm, 4.5 inches.



*Not Available in Canada.

Choppers, Manipulators & Hooks

E0789* **Palydowycz Finger Manipulator**

- Instrument for left or right handed use, capable of chopping and aiding in removal of lens material, especially useful in cases following femtosecond laser procedures.
- Overall length 119.4 mm, 4.7 inches.



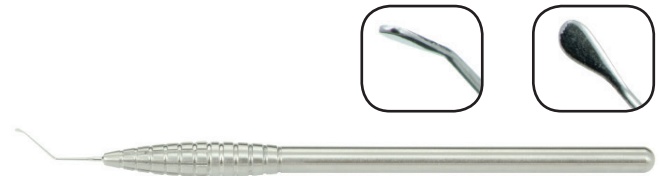
E0757* **Parekh Back Chopper**

- The Parekh Back Chopper is designed to reach around and under the nucleus, then pulled towards the Phaco tip to chop the lens using only counter traction force during cataract surgery.
- It fits through the side port incision and is designed with a capsule friendly ball tip.
- Overall length: 117mm, 4.6 inches.



Park Manipulator

- This unique instrument incorporates a compound angulated tip that is designed to optimize parallel cracking of the lens once the groove is created with the Phaco tip.
- The paddle design of the instrument provides increased surface area during the lens splitting step.
- Once the lens is divided, the rounded leading edge of the paddle is designed to allow effective management of the lens fragments during the removal phase of the lens nucleus.
- Overall Length: 112mm, 4.4 inches.



Catalog

E0595*	Left
E0594*	Right

E0570* **Sadri IOL Manipulator**

- This instrument is designed primarily for IOL manipulation, rotation and positioning through the paracentesis.
- The textured tip helps grip the lens, while its ball shape is capsule friendly and allows the option of use during cataract removal.
- Overall length: 4.6 inches, 116.8 mm.



*Not Available in Canada.

Choppers, Manipulators & Hooks

E3127* **Sáles Stripper Paddle**

- Features a standard Terry reverse Sinskey hook and a specially designed paddle for Descemet's membrane removal.
- Tips shaped to easily fit through a 1.0mm side port incision.
- Gently curved tip of the paddle is designed to wipe the Descemet's membrane from the patient's cornea without roughening the underlying stroma.
- The textured surface of the tip is designed to engage the Descemet's membrane effectively in cases of Fuchs dystrophy or pseudophakic bullous keratopathy.
- The mirrored surface of the paddle can be used to inspect for loose tags of Descemet Membrane.
- Overall length: 119 mm, 4.7 inches



E3119 **Reverse Sinskey Hook**

- This instrument is used to begin the dissection in DSEK surgery by scoring Descemet's membrane.
- It is then used to gently strip the membrane.
- Overall length: 117mm, 4.6 inches.



SUF02* **Sinskey Hook**



- This hook has an angled, 10mm shaft.
- The 0.5mm tip is 0.18mm in diameter.
- Designed for lens dialing and manipulation.
- Overall length: 116mm, 4.6 inches.



6-250 **Sinskey Hook II Round Handle Titanium**

- 0.18mm diameter angled tip, 10mm angled shaft.
- Used to mark the visual axis.
- Round knurled handle with dull finish.
- Titanium.
- Overall length: 122mm, 4.8 inches.



Choppers, Manipulators & Hooks

ET1211 Sinskey Hook II Titanium

- 0.18mm diameter angled tip.
- 10mm angled shaft.
- Used to mark the visual axis.
- Titanium handle designed after the Stellaris® System handpiece.
- Overall length: 140mm, 5.5 inches.



E0545 Sinskey Iris and IOL Hook

- 0.2mm hook with straight shaft and flat serrated handle.
- Used to mark the visual axis.
- Polished finish.
- Overall length: 118mm, 4.6 inches.



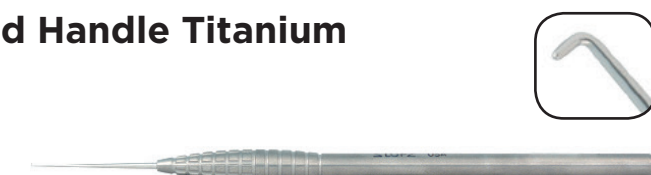
ET0545 Sinskey Iris and IOL Hook Titanium

- 0.2mm hook with straight shaft and flat serrated handle.
- Used to mark the visual axis and reopen RK incisions.
- Polished finish.
- Titanium.
- Overall length: 118mm, 4.6 inches.



ET1203 Sinskey Iris and IOL Hook Round Handle Titanium

- 0.2mm hook with straight shaft.
- Used to mark the visual axis.
- Titanium handle designed after the Stellaris® System handpiece.
- Overall length: 121mm, 4.8 inches.



E0545 M Sinskey Iris and IOL Hook Curved

- 0.2mm hook with curved shaft to reach over lens optic.
- Flat serrated handle with polished finish.
- Overall length: 121mm, 4.8 inches.



*Not Available in Canada.

Choppers, Manipulators & Hooks

E0708 Sinskey Nucleus Spatula

- Used to “mash” overlooked pieces of nucleus into irrigating-aspirating unit and to control nucleus with second hand in phacoemulsification.
- 31mm long narrow spatula blade.
- Round knurled handle with polished finish.
- Overall length: 127mm, 5.0 inches.



E0546 STORZ® Iris Hook

- Blunt hook.
- Flat serrated handle with polished finish.
- Overall length: 127mm, 5 inches.



E0548 Tyrell Iris Hook

- Sharp, 2.0mm hook.
- Flat serrated handle with polished finish.
- Overall length: 122mm, 4.8 inches.



SUF06* Vertical Y-Hook Nucleus Manipulator



- Y-shaped Nucleus Rotator with vertical Y-hook rotator tip.



E0558* Weir Push/Pull Manipulator

- This instrument is designed with a micro hook that allows for pushing and pulling motions while manipulating iris tissue, IOLs and challenging haptics.
- Designed to fit through the sideport incision.
- Overall length: 124mm, 4.9 inches.



E0672* Wiley Stabilizing Chopper

- Corkscrew tip designed to hook into the incision to stabilize the eye during a cataract procedure.
- Second notched tip can be used for chopping and manipulation of the lens.
- Overall length: 122mm, 4.8 inches.



*Not Available in Canada.

Choppers, Manipulators & Hooks

HOOKS - FIXATION

E0566 **Graether Collar Button**

- Designed for iris retraction and capsule polishing with roughened posterior surface.
- 23 gauge cannula, straight shaft.
- Polished finish.
- Overall length excluding hub: 25mm, 0.9 inches.



E0566 A **Graether Collar Button Angled**

- Designed for iris retraction and capsule polishing with roughened posterior surface.
- 23 gauge cannula angled 45°, 10mm from tip to bend.
- Polished finish.
- Overall length excluding hub: 23mm, 0.9 inches.



E0566 S **Graether Collar Button On Handle**

- Designed for iris retraction and capsule polishing with roughened posterior surface.
- Straight shaft.
- Round knurled handle with polished finish.
- Overall length: 122mm, 4.8 inches.



E0566 SA **Graether Collar Button On Handle Angled**

- Designed for iris retraction and capsule polishing with roughened posterior surface.
- Angled 45° shaft, 10mm from tip to bend.
- Round knurled handle with polished finish.
- Overall length: 118mm, 4.6 inches.



E0750 NS **MADLAB Iris Retractor 5/pack**

- Developed for ease of use, these very flexible retractors are made of the super-elastic Nitinol alloy to provide durability and consistency.
- The retractors are supplied five per package, are fully reusable and are shipped in a unique sterilization case.
- To ease placement of the Multi-Use Iris Retractors, use the LASEREDGE® Needle Knife to construct the precise limbal incision.
- Overall length: 10mm, 0.4 inches.



*Not Available in Canada.

Choppers, Manipulators & Hooks

STORZ® Double Fixation Hook

- Flat serrated handle with polished finish.
- Overall length: 128mm, 5.0 inches.

Catalog #

Spread Between Curved Tips

E0532

1.5mm

E0533

2.0mm



HOOKS - MUSCLE

E0580 Culler Rectus Muscle Hook 7mm

- 7mm flattened hook.
- Flat serrated handle with polished finish.
- Overall length: 125mm, 4.9 inches.



E4991 Gass Retinal Detachment Hook

- Flattened 13mm "Graefe type" hook, with 1.5mm oval hole.
- Flat serrated handle with polished finish.
- Overall length: 143mm, 5.6 inches.



*Not Available in Canada.

Choppers, Manipulators & Hooks

Graefe Strabismus Hook

- Flat serrated handle with polished finish.
- Overall length: 143mm, 5.7 inches.



Catalog #	Hook Size	Hook	Overall Length	
E0593	#3, 10mm	flattened	143mm, 5.7 inches	non-magnetic
E6754	#2, 10mm		139mm, 5.5 inches	
E0591	#1, 8mm	flattened	135mm, 5.3 inches	
E0592	#2, 9mm	flattened	140mm, 5.5 inches	

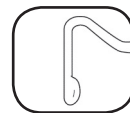
E0588 Green Strabismus Hook 7mm Wide

- Flat 7mm wide hook.
- Flat serrated handle with polished finish.
- Overall length: 130mm, 5.1 inches.



E0586 Jameson Muscle Hook

- 2mm bulbous tip with 6mm flat portion.
- Flat serrated handle with polished finish.
- Overall length: 136mm, 5.4 inches.



E0586 S Jameson Muscle Hook Small

- Small bulbous tip with flat sides.
- Flat serrated handle with polished finish.
- Overall length: 126mm, 4.9 inches.



*Not Available in Canada.

Choppers, Manipulators & Hooks

E0598 **Manson Double Ended Strabismus Hook**

- 3mm forked angled blades.
- Blade spread 7mm.
- Flat serrated handle with polished finish.
- Overall length: 125mm, 4.9 inches.



E0564 **Scobee Oblique Muscle Hook**

- Curved shaft with flat 4.5mm hook.
- Flat serrated handle with polished finish.
- Overall length: 134mm, 5.3 inches.



E0604 **Smith Expressor Hook**

- 11.5mm curved hook.
- Flat serrated handle with polished finish.
- Overall length: 131mm, 5.1 inches.



E0600 **Stevens Curved Tenotomy Hook**

- 6mm curved hook.
- Flat serrated handle with polished finish.
- Overall length: 119mm, 4.7 inches.



CORNEAL MARKERS

Ring Markers 64

Lasik Markers65

LRI/Astigmatism Markers.... 66

Miscellaneous Markers67



Corneal Markers

RING MARKERS

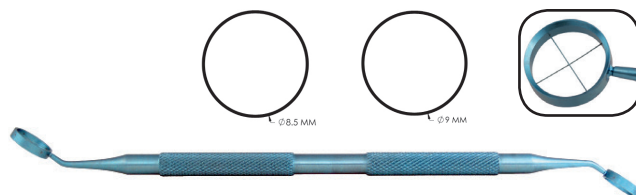
9-781W Corneal Marker 8.0mm

- Designed to provide a template for scoring and stripping of Descemet's membrane during the DSEK procedure.
- Titanium.
- Overall length: 122mm, 4.8 inches.



ET3126 Corneal Marker 8.5mm/9mm

- Designed to provide a template for scoring and stripping of Descemet's membrane during the DSEK procedure.
- Titanium.
- Overall length: 132mm, 5.2 inches.



E9036 Wallace Capsulorhexis Gauge

- 6mm corneal marker provides an excellent reference to gauge the diameter of the anterior capsular opening during capsulorhexis.
- Creating a tear just inside the circular mark on the cornea provides a sub 6mm capsulorhexis which is ideal for the latest IOL technology.
- Overall length: 79mm, 3.1 inches.



E9045* Wallace Capsulotomy Diameter Marker

- 6mm corneal marker provides an excellent reference to gauge the diameter of the anterior capsular opening during capsulorhexis.
- Tearing the capsule just inside the ring mark that is paced on the cornea surface yields a sub 6mm capsulorhexis.
- Includes a pointer as a center indicator.
- Flat stock handle.
- Overall Length: 119 mm, 4.7 inches.

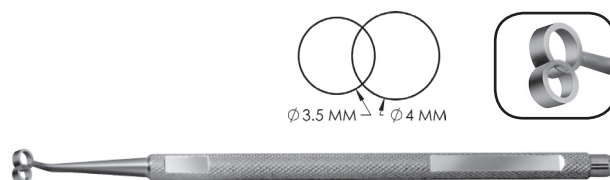


*Not Available in Canada.

LASIK MARKERS

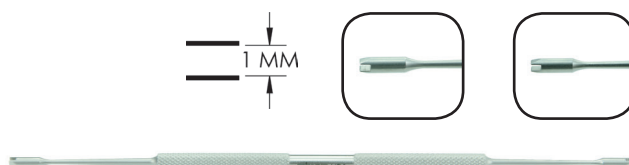
ET9079 **Gulani LASIK Marker**

- 3.5mm and 4mm intersecting circles to mark the corneal flap for LASIK procedures.
- Round handle.
- Titanium.
- Overall length: 119mm, 4.7 inches.



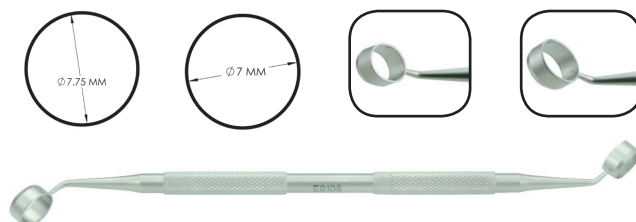
E9109* **MacRae LASIK Marker**

- Double-ended marker designed to be inked to mark the eye so the corneal flap can be adjusted back to the original position after reshaping of the cornea in LASIK.
- Overall Length: 145mm, 5.7 inches.



E9108* **MacRae LASIK Oval Well**

- Designed to remove epithelial tissue during LASEK or PRK.
- Oval shape designed for use on multifocal patients.
- Overall Length: 139mm, 5.4 inches



MacRae Mini LASEK/PRK Well

- Can be used for "mini" PRK or LASEK.
- Smaller wells designed to remove 33-40% less epithelium compared to the typical 8.5 or 9mm wells, respectively.
- Designed for treatments of lower diopter powers of sphere and cylinder.
- Dr. MacRae recommends the well be centered over the pupil and requires gentle pressure be applied.
- Overall length 81mm, 3.2 inches.



Catalog #	Well	
E9105*	6.5mm	
E9104*	7.0mm	

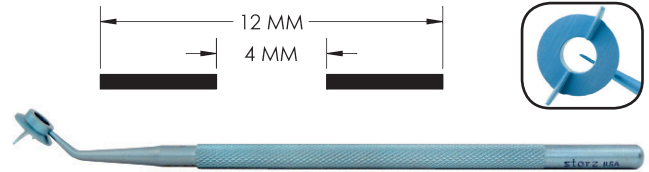
*Not Available in Canada.

Corneal Markers

LRI/ASTIGMATISM MARKERS

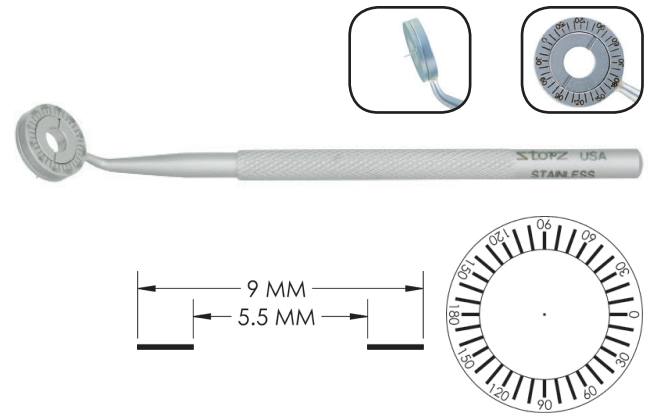
9-729 Axis Marker

- This two line marker is used in conjunction with the Mendez Degree Gauge to indicate the axis of astigmatism.
- Titanium.
- Overall length: 130mm, 5.1 inches.



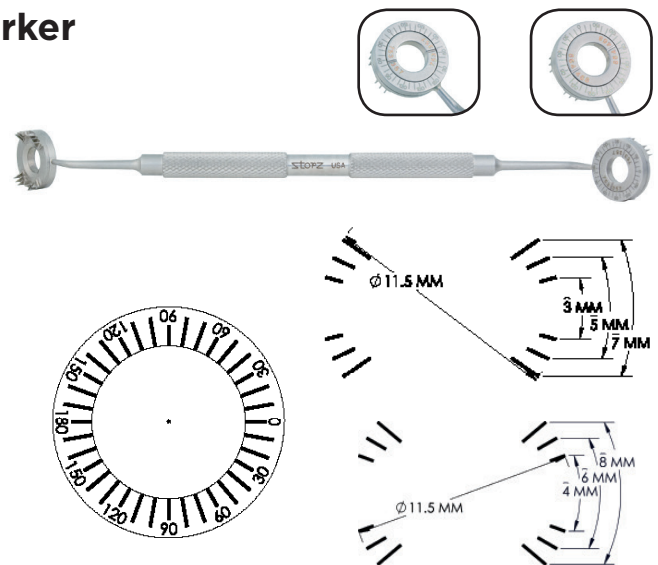
E2430 Whitman Axis Marker

- This instrument features an astigmatic dial marked in degrees on its anterior surface for setting the desired location of the lens implant.
- Posterior surface provides two large radial blades which correspond to the axis on the dial.
- These blades, marked with a sterile marking pen, are aligned under the surgical microscope with limbal markings made pre-operatively at the 180° axis, or 3 and 9 o'clock.
- Once aligned, the instrument is pressed onto the surface of the eye, leaving two opposing, long, radial marks in the mid periphery of the cornea.
- The toric alignment markings on the IOL can then be easily aligned with these radial marks.
- Overall length: 81mm, 3.2 inches.



E2427 Whitman Double-Ended LRI Marker

- Designed using chord lengths for treatment parameters as opposed to degrees.
- The two astigmatic dials cover a wide range of dioptric treatments with one end marked for 3mm, 5mm and 7mm lengths and the other marked for 4mm, 6mm and 8mm lengths. Both ends include corresponding raised marks on the underside of the dial.
- In addition to use in the LRI procedure, the central mark to note axis makes this instrument ideal for marking for toric lens implants.
- For optimal visible marks, a surgery skin marker should be used on the underside, raised marks of the dial and the instrument should be pressed onto a dry cornea.
- Overall length: 122mm, 4.8 inches.

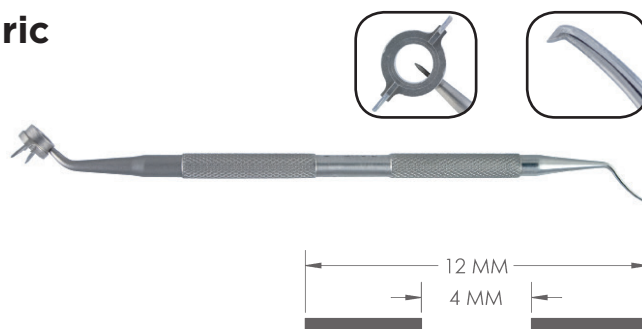


*Not Available in Canada.

Corneal Markers

E2429* Nichamin Double-Ended LRI/Toric IOL Marker

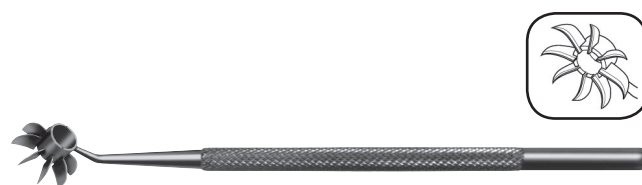
- Designed to place either single or opposing marks on the peripheral cornea to assist in performing LRIs and positioning of toric implants. This would include marking of the steep meridian over which the incisions or toric IOL is centered, and the starting and finishing points of the relaxing incisions, thereby delineating their extent of arc.
- This instrument can also be used to place cardinal reference marks while the patient is in the upright position.
- Overall length: 127mm, 5.0 inches.



MISCELLANEOUS MARKERS

Osher-Neumann Corneal Marker

- Marks radial lines 4mm long.
- Inner diameter of blades is 4.5mm.
- Marks on top of the ring help in centering marker and semi-sharp blades allow minimal marking pressure.
- Overall length: 109mm, 4.3 inches.

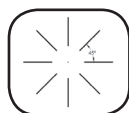


Catalog #

Line

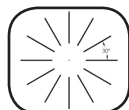
E9022

8 line



E9022 12

12 line



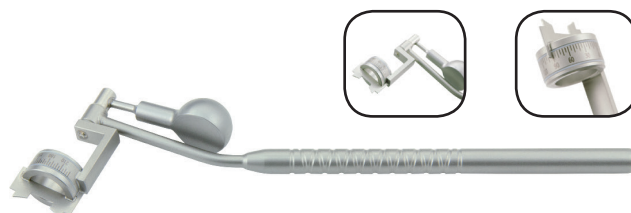
E9022 16

16 line



E9030* Pendulum Toric Marker

- Used during astigmatic cataract procedures to aid with placement of the toric IOL.
- Uses a self-leveling pendulum with a 360° adjustable blade for marking any axis of astigmatism.
- Overall length: 143mm, 5.6 inches

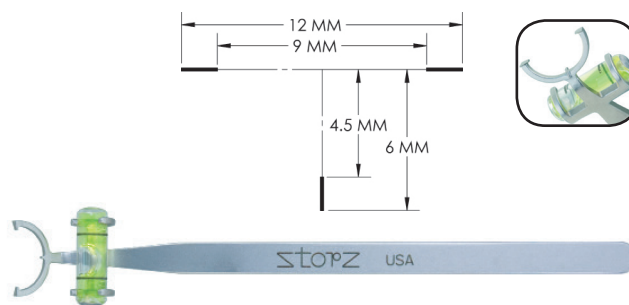


*Not Available in Canada.

Corneal Markers

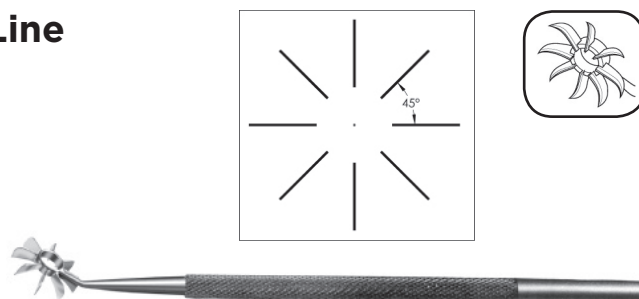
E2431 STORZ® Toric Bubble Marker

- During the “clean” portion of the procedure, the bubble level of this instrument is positioned below the cornea while the exterior of the ring is aligned to the limbus.
- The marker is pressed against the corneal surface to provide marks at the horizontal axis and at 90°.
- Overall length: 99mm, 3.9 inches.



E9026 8 Thornton Low Profile Marker 8 Line

- 8 Line. Centration on the previously marked center and optical zone ring can easily be placed binocularly, reducing the parallax problems with higher profile markers.
- 4mm long radial lines. Inner diameter of blades is 4.5mm.
- Marks on top of ring assist with centration.
- Semi-sharp blades allow minimal marking pressure.
- Round, knurled handle with dull finish.
- Low profile stainless steel construction.
- Overall length: 109mm, 4.2 inches.



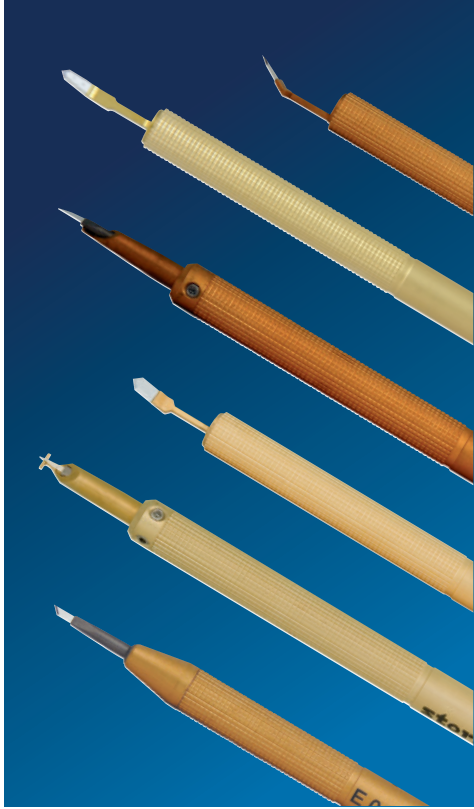
*Not Available in Canada.

DIAMOND KNIVES

Corneal Refractive 70

Phaco Knives.....72

Universal/Cataract.....74



Diamond Knives

CORNEAL REFRACTIVE

EO117 Anderson Step Diamond Knife

- Triple edge, 20° diamond blade has a step gauge mechanism to provide the surgeon the control desired when creating a variety of incisions, which include groove, paracentesis, and astigmatic keratotomy.
- Includes preset steps of 0.2, 0.3, 0.4, 0.5, 0.6, and 0.8mm, full extension at 4.0mm.
- Width of blade tip 0.2mm tapers to 0.8mm.
- Overall length (blade retracted): 115mm, 4.5 inches.



EO124 Donnenfeld LRI Diamond Knife

- Features a single footplate design with a fixed depth of 0.6mm for limbal relaxing incisions.
- The tri-facet 20° blade is for incisions to the left or right and is angulated 10° for better alignment and approach.
- The shorter handle length promotes ease of use under the microscope or at the slit lamp.
- The blade assembly retracts into handle for storage.
- Overall length (blade retracted): 99mm, 3.9 inches.



EO123 Nichamin LRI Diamond Knife

- Incorporates many features to enhance the surgeon's visualization and provide excellent control while creating the incision.
- The very small footplate is curved to conform to the fixation/degree gauge and provides a guide for making the arcuate incision at the limbus.
- The fine 15°, 100-diamond blade with micro-flat tip ensures blade stability and smooth glide through the corneal tissue.
- The step adjustment feature allows the surgeon to quickly dial in the desired incision depth for the latest techniques using pachymetry (the NAPA Technique introduced by Louis D. Nichamin, MD).
- Step dial ranges from 0.5mm to 0.8mm in 0.05mm increments.
- Overall length (blade retracted): 115mm, 4.5 inches.



*Not Available in Canada.

Diamond Knives

E0127* **Oyakawa LRI Diamond Knife**

- The tri-facet 20° blade design offers a very thin profile for tracking through the cornea and a small square tip configured for accurate depth control.
- The footplate of this instrument is designed to ease the movement of the blade through the LRI incisions and allows for visualization when aligning the blade to the desired incision width.
- A micrometer handle with steps every 0.01mm is designed for use with nomograms that require depth adjustment based on pachymetry.
- The blade is retractable into the handle.
- Overall length (blade retracted): 114mm, 4.5 inches.



E0105 M **Triple Edge Arcuate Diamond Knife**

- A 15° thin blade designed for all corneal incisions, including arcuate astigmatic cuts.
- 200 micron flat facet on cutting edge provides the surgeon with excellent control throughout the incision as well as durability at the tip.
- Blade width 0.8mm.
- Micrometer handle with steps every 0.01mm.
- Overall length (blade retracted): 113mm, 4.5 inches.



E0126 **Wallace LRI Diamond Knife**

- Tip angle 30°.
- Single footplate allows easier visibility of knife as it passes through corneal tissue.
- Handle designed for finger twirling as blade follows arcuate pattern of the limbus. 0.2mm front flat tip.
- Blade preset at 600 micron.
- Retractable long handle.
- Overall length (blade retracted): 120mm, 5.0 inches.



*Not Available in Canada.

Diamond Knives

PHACO KNIVES

Angled Diamond Keratome

- Angled clear cornea keratome with sharp sides.
- Tip angle 45°.
- For anterior chamber entrance, wound extension.
- J-slot blade retraction mechanism.
- 0.2mm blade thickness.
- Overall length (blade retracted): 119mm, 4.7 inches.



Catalog #	Size (width)	Tip to Mounting	Tip to Shoulder
E0104 ACC2.5	2.5mm	4.0mm	1.25mm
E0104 ACC2.65	2.65mm	4.0mm	1.25mm
E0104 ACC2.8	2.8mm	4.0mm	1.40mm
E0104 ACC3.0	3.0mm	5.0mm	1.50mm

Trapezoid Diamond Keratome

- Angled trapezoid clear cornea keratome with sharp sides for use in micro-incision phacoemulsification, such as Microflow® or Microseal®.
- Tip angle 45°.
- J-Slot blade retraction mechanism.
- 0.2mm blade thickness.
- Overall length (blade retracted): 119mm, 4.7 inches.



Catalog #	Size (width)	Tip to Mounting	Tip to Shoulder
E0104 ACC2.5/29	2.5-2.9mm	5.0mm	1.4mm
E0104 ACC2.8/31	2.8-3.1mm	5.0mm	1.4mm

*Not Available in Canada.

Profile Angled Diamond Keratome

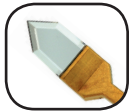
- Designed to help the surgeon create linear, clear corneal cataract incisions.
- Asymmetrically beveled diamond blade helps guide the blade into the anterior chamber.
- It also allows easier creation of watertight incisions while producing less corneal distortion.
- Overall length (blade retracted): 119mm, 4.7 inches.



Catalog #	Size (width)	Tip Angle
E0130 1.8MM	1.8mm	76°
E0130 2.2MM	2.2mm	64°
E0130 2.65	2.65mm	74°
E0130 2.8	2.8mm	78°

E0130 2.75/2.9 Profile Angled Trapezoid Diamond Keratome

- Helps the surgeon create linear, clear corneal cataract incision.
- Asymmetrically beveled diamond blade trapezoid has a larger, superior facet than the symmetric diamond blades, which in conjunction with the corneal tissue, helps guide the blade into the anterior chamber.
- Allows easier creation of watertight incisions while producing less corneal distortion.
- Tip angle 77°.
- Size (width): 2.75/2.9mm.
- Overall length (blade retracted): 119mm, 4.7 inches.



*Not Available in Canada.

Diamond Knives

Tru-Size™ Angled Trapezoid Diamond Knife

- This innovative diamond knife enhances the already popular Storz® Ophthalmics Profile Diamond Knife with incision widths engraved on the diamond blade, ensuring accuracy of incision size.
- The profile design of the diamond blade offers an asymmetric edge which ensures a straight tunnel through the cornea.
- It also allows easier creation of watertight incisions while producing less corneal distortion.
- Tip angle 76°.
- Overall length (blade retracted): 119mm, 4.7 inches.

Catalog

E0130 1.7/1.9*

E0130 1.8/2.2*

E0130 2.0/2.4*

Size (width)

1.7/1.9mm

1.8/2.2mm

2.0/2.4mm



UNIVERSAL/CATARACT

E0100 E 45 Degree Single Edge Diamond Knife

- Single edge 45° blade for performing side-port incision and scleral groove.
- Push-pull blade retraction mechanism.
- 1.0mm width, 0.2mm thickness.
- Overall length (blade retracted): 114mm, 4.5 inches.



E0103 E Econo Trifacet Diamond Knife

- Trifaceted gem-quality, resharpenable diamond blade for scleral groove and tunnel incision.
- Push-pull blade retraction mechanism.
- Tip angle 45°/60°.
- 1.0mm blade width, 0.2 thickness.
- Overall length (blade retracted): 114mm, 4.5 inches.



*Not Available in Canada.

Diamond Knives

EO115* Nichamin Sideport Diamond Knife

- Trapezoid shaped diamond with angled shaft.
- Designed to create an incision parallel to the iris plane.
- Blade width 1.2mm.
- Tip angle 12°.
- Overall length (blade retracted): 119mm, 4.7 inches.



EO108 LS Osher Trifacet Tunnel Diamond Knife With Footplate

- Universal trifacet shaped diamond blade provides excellent control when used in a sweeping motion during scleral tunneling.
- The two sharp sides ensure straight tunnel incisions for lens implantation, side port, groove, and wound extension.
- Pre-set step at 0.3mm.
- J-slot mechanism.
- Blade width 1.0mm, thickness 0.1mm.
- Tip angle 40°.
- Overall length (blade retracted): 123mm, 5.4 inches.



EO111 Step 45 Degree Double Edge Diamond Knife

- Double edge blade construction with single footplate design for creating the initial groove, tunneling and stab incisions.
- Blade width 1.4mm, thickness 0.2mm, 2.3mm length.
- Tip angle 45°.
- Preset steps every 0.05mm from 0.15 to 0.5mm and full extension of 4mm.
- Overall length (blade retracted): 123mm, 4.5 inches.



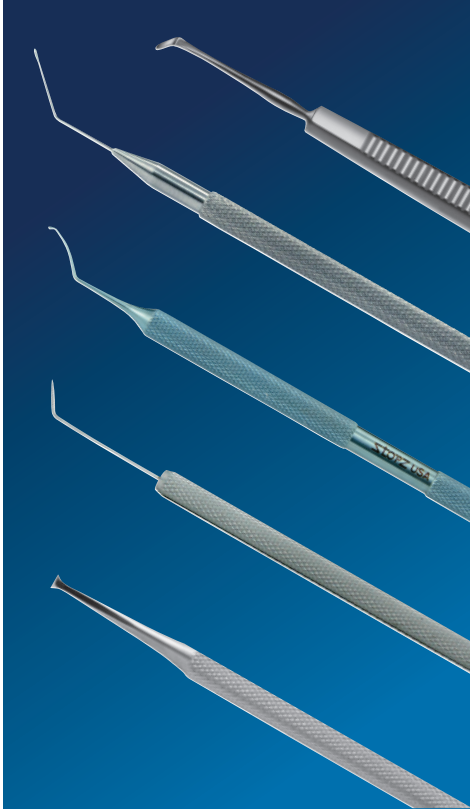
EO112 Step Trifacet Diamond Knife

- Trifacet blade design with single footplate for creating initial groove, tunneling and stab incisions.
- Blade width 1.0mm, thickness 0.2mm.
- Tip angle 45°/60°.
- Preset steps every 0.05mm from 0.15 to 0.5mm and full extension of 4mm.
- Overall length (blade retracted): 123mm, 4.5 inches.



*Not Available in Canada.

DISSECTORS



Dissectors

E3002* **Ang Femtocataract Corneal Dissector**

- Double-ended instrument designed to open sticky corneal incisions performed during femtosecond cataract surgery.
- The dissector's fine, rounded-end bent hook can penetrate either primary or secondary sticky incisions.
- The other end of the dissector is leaf-shaped and designed for use on the primary corneal incision.
- This end is placed on the lip of the primary incision, depressed and pushed inward to open the incision with a side-to-side motion.
- Overall length: 132mm, 5.2 inches.



E2990 **Castroviejo Dissector**

- 1.5mm x 5.0mm flat angled blade.
- Flat serrated handle with polished finish.
- Overall length: 119mm, 4.7 inches.



E3114 **Devers-Terry Dissector Curved**

- Used to dissect or separate stromal tissue during a DLEK procedure.
- Overall length: 127mm, 5.0 inches.



E3113 **Devers-Terry Dissector Straight**

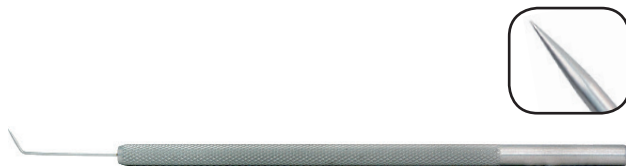
- Used to dissect or separate stromal tissue during a DLEK procedure.
- Overall length: 127mm, 5.0 inches.



*Not Available in Canada.

E0480 Fogla Pointed Dissector

- Facilitates lamellar dissection of corneal stroma allowing the introduction of the Fogla Air Injection Cannula (E4924) for creation of the “big bubble” (plane separation between Descemet’s membrane and corneal stroma).
- Sharp tip and rounded shaft give a more controlled creation of the lamellar pocket in DALK surgery.
- Overall length: 117mm, 4.6 inches.



E3001 Martinez Double Ended Corneal Dissector Knife

- Double ended 3mm x 11mm angled sharp blades.
- Flat handle with polished finish.
- Overall length: 127mm, 5.0 inches.



E0642* Safran Capsule Dissector

- Designed for use dissecting the fibrosed capsule to ease removal of the IOL for lens exchange surgery.
- Sandblasted duckbill tip can insert through the sideport or through the main wound, insert under the anterior leaflet of the capsule to break apart the adhesions.
- Sandblasted duckbill tip designed to fit through a 0.8mm - 1.0mm incision.
- 45 degree bend in shaft.
- Round knurled handle.
- Overall length: 115mm, 4.5 inches.



*Not Available in Canada.

Dissectors

E0478 Slade Laser LRI Dissector

- Designed to open femtosecond laser incisions quickly and effectively at the time of surgery or during a follow up visit.
- The blunt tip is designed to prevent penetration through the cornea.
- Four dissecting edges at the tip are designed to assist dissection of a curved incision without rotation of the instrument.
- Overall length: 117mm, 4.6 inches.

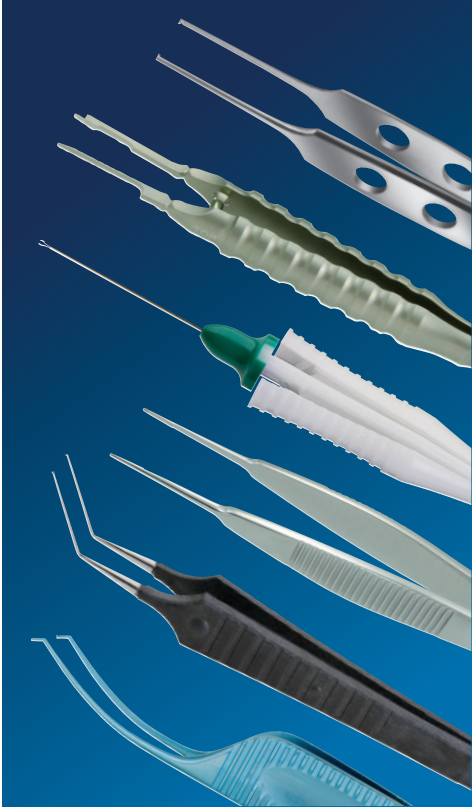


E2999 Weinstock Wound Dissector

- Dissects the ablated zone to create the track for the phaco wound and the side port incision during the femtosecond cataract procedure.
- The width of the keratome shaped dissector is 1.57mm.
- Overall Length: 119mm, 4.7 inches.



*Not Available in Canada.



FORCEPS

Bipolar	82
Capsule	84
Capsulorhexis	85
Capsulorhexis MICS™	88
Cilia	90
Corneal	91
Dressing	96
Fixation/Tissue.....	97
Intraocular Lens	103
Iris.....	107
Jeweler	107
Miscellaneous.....	109
Mosquito	109
Muscle.....	110
Retinal.....	111
Suturing	115
Towel/Serretine.....	119
Tying.....	120
Utility.....	127



Forceps

BIPOLAR

S2050 9 **Bipolar Coaptation Forceps**

- Curved shafts with 3.5mm angled platform and dull finish.
- Wide serrated handle with dull finish.
- Overall length: 117mm, 4.6 inches.



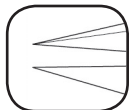
S2050 B **Bipolar Cord Reusable**

- For use with Storz® Ophthalmics S2050 A and S2080 Bipolar Coagulators and other bipolar coagulators using banana type receptacle jacks.



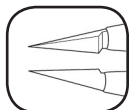
S2050 1 **Jeweler Type Bipolar Forceps**

- Straight shafts with micro tips and dull finish.
- Smooth handle with dull finish.
- Overall length: 119mm, 4.7 inches.



S2050 1D **Jeweler Type Bipolar Insulated Forceps**

- Straight shafts with micro tips and sandblast finish.
- Insulated smooth handle.
- 4mm platform.
- Overall length: 119mm, 4.7 inches.



*Not Available in Canada.

McPherson Angled Bipolar Forceps

- Straight shafts with 4mm jaws.
- Serrated handle with dull finish.

Catalog #

S2050 10A

Jaws

Angled 45°

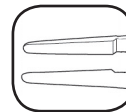
Overall Length

119mm, 4.7 inches

S2050 10S

Straight

94mm, 3.7 inches



S2050 15 Osher Bipolar Coaptation Forceps

- Curved shaft with 2mm angled platform.
- Wide serrated handle with dull finish.
- Overall length: 116mm, 4.6 inches.



Shepard Bipolar Forceps Straight

- Straight shafts with 4mm platform.
- Wide serrated handle with dull finish.

Catalog #

S2050 14A

Platform Angle

Angled 45°

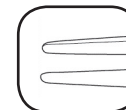
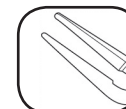
Overall Length

115mm, 4.5 inches

S2050 14S

Straight

118mm, 4.6 inches



*Not Available in Canada.

CAPSULE

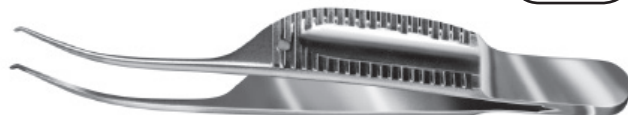
E2028 **Castroviejo Curved Capsule Forceps**

- 2.5mm cups angled 130°, 10mm from angle to tip.
- Serrated cross action handle with polished finish.
- Overall length: 104mm, 4.1 inches.



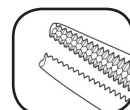
E3199 GWUS **Gills-Welsh Capsule Forceps Colibri Style**

- Smooth Colibri tip used to grasp and subsequently retract the capsule during nucleus delivery.
- Serrated handle with polished finish.
- Overall length: 73mm, 2.9 inches.



E2030 **Kansas Nuclear Fragment Forceps**

- Two rows of teeth on jaws provide a firm purchase on the nucleus fragment for removal.
- Flat handle with dull finish.
- Overall length: 110mm, 4.3 inches.



E2077 **Osher Capsule-Foreign Body Forceps**

- Fine 3.0mm platform.
- Shaft angled 60° 10mm from angle to tip.
- Serrated handle with dull finish.
- Overall length: 80mm, 3.1 inches.



*Not Available in Canada.

CAPSULORHEXIS

SUE01-12* **Capsulorhexis Forceps**



- Features straight jaws with fine, sharp tips for creating the capsulorhexis.
- Overall length: 100mm, 3.9 inches.



SUE07-12* **Capsulorhexis Forceps with Markings**



- The forceps shafts with markings at: 2.75mm/3.0mm (for radius) and 5.5mm/6.0mm (diameter), for determining the diameter for capsulorhexis.
- Fine angled tips ideal for grasping delicate capsule also during MICS 1.8mm procedures.
- Angled shafts allows ease of movement in the anterior chamber.



E2002 G **Gimbel Capsulorhexis Forceps**

- Similar in construction to the E2002 Utrata Capsulorhexis Forceps with jaw set to open only 3mm.
- Light tension.
- Flat handle with dull finish.
- Overall length: 80mm, 3.2 inches.



ET2011* **Grayson Lehner Capsulorhexis Forceps**

- Utrata tips on 13mm, 45° shaft.
- Ideal for performing capsulorhexis through a clear corneal incision.
- Titanium.
- Overall length: 104mm, 4.1 inches.



*Not Available in Canada.

Forceps

E2002 C **Lehner-Utrata Capsulorhexis Forceps**

- Utrata-like fine angled tips with gently curved shaft for performing capsulorhexis through tunnel incisions.
- Dull finish.
- Flat handle.
- Overall length: 80mm, 3.2 inches
- Utrata-like fine angled tips with gently curved shaft for performing capsulorhexis through tunnel incisions.
- Dull finish.
- Flat handle.
- Overall length: 80mm, 3.2 inches.



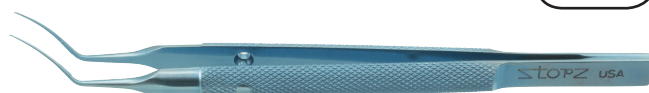
E2002 RC **Lehner-Utrata Capsulorhexis Forceps Round Handle**

- Utrata-like fine angled tips with gently curved shaft for performing capsulorhexis through tunnel incisions.
- Bright finish.
- Round Handle.
- Overall length: 112mm, 4.4 inches.



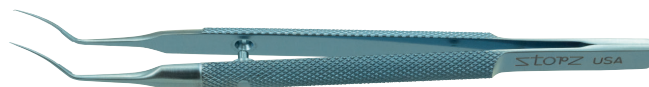
ET2002 RC **Lehner-Utrata Capsulorhexis Forceps Round Handle Titanium**

- Utrata-like fine angled tips with gently curved shaft for performing capsulorhexis through tunnel incisions.
- Dull finish.
- Round handle manufactured in titanium.
- Overall length: 112mm, 4.4 inches.



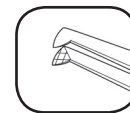
ET2009 **Maloney Capsulorhexis Forcep**

- Forceps with gently curved jaws and ultra fine sharpened tips for puncture and grasping the capsule.
- Round handle is excellent for precise finger-tip control.
- Titanium.
- Overall length: 104mm, 4.1 inches.



E2002 R **O'Gawa-Utrata Capsulorhexis Forceps**

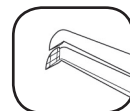
- Fine angled tips with angled 13mm shafts and iris stop.
- Round handle for fingertip rotational control.
- Bright finish.
- Overall length: 112mm, 3.9 inches.



*Not Available in Canada.

E2002 Utrata Capsulorhexis Forceps

- Fine angled tips ideal for grasping delicate capsule.
- Angled 13mm shafts with iris stop allows ease of movement in the anterior chamber.
- Flat handle with dull finish.
- Overall length: 80mm, 3.2 inches.



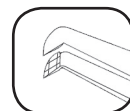
E2002 S Utrata Capsulorhexis Forceps Sharp Tips

- The popular E2002 Utrata Capsulorhexis Forceps with fine angled sharp tips.
- Angled 13mm shafts with an iris stop.
- Flat handle with dull finish.
- Overall length: 80mm, 3.2 inches.



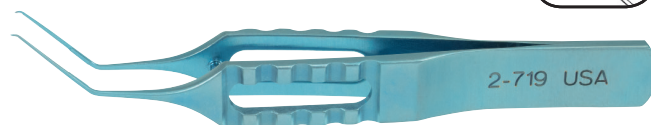
ET2002 Utrata Capsulorhexis Forceps Titanium

- Fine angled tips ideal for grasping delicate capsule.
- Angled 13mm shafts with iris stop allows ease of movement in the anterior chamber.
- Flat handle with dull finish.
- Titanium.
- Overall length: 80mm, 3.2 inches.



2-719 Utrata Capsulorhexis Forceps Titanium

- The popular Utrata Capsulorhexis Forceps in a titanium version.
- The ultra-fine tips are designed with an iris stop and angled platform tips for grasping delicate capsule.
- Titanium.
- Overall length: 85mm, 3.3 inches.



E2002 W* Wiley Capsulorhexis Forceps

- Designed with fine, angled tips ideal for grasping delicate capsule.
- The angled 12mm shafts with iris stop allows for ease of movement in the anterior chamber.
- The marks on the shaft at 2.5 and 5mm are designed to guide the capsulorhexis.
- Overall length: 80mm, 3.2 inches.



*Not Available in Canada.

Forceps

Capsulorhexis MICS™

SUE06-12* Capsulorhexis Forceps MICS™



- Features fine, angled tips specially designed for ease of movement in the anterior chamber while performing capsulorhexis through a 1.8mm incision.
- Overall length: 99mm, 3.9 inches.



SUE08-12* Capsulorhexis Forceps MICS™ Curved

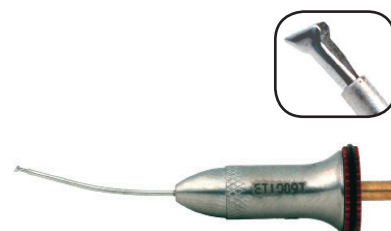


- Features fine, angled tips specially designed for ease of movement in the anterior chamber while performing capsulorhexis through a 1.8mm incision.
- Curved shafts.



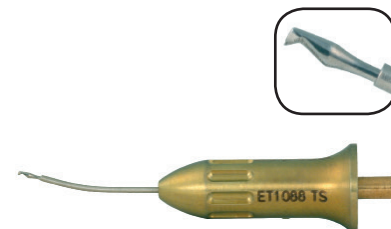
ET1089T* Capsulorhexis Forceps Tip 13mm Shaft

- Instrument is designed to perform a capsulorhexis through a 1.4mm phaco incision.
- It uses the ET8190 H fixed coaxial handle (sold separately).
- Shaft length (hub to tip): 13mm
- Overall length: 35mm, 1.4 inches.



ET1088TS Capsulorhexis Forceps Tip 15mm Shaft

- This forceps tip is designed with a pick type tip and is ideal for performing a capsulorhexis through a 1.4mm incision.
- Has a gently curved shaft for excellent hand placement and control.
- Uses the ET8190 H Fixed Coaxial Handle (sold separately).
- Shaft length (hub to tip): 15mm.
- Overall length: 42mm, 1.6 inches.



ET8190 H Coaxial Handle Fixed

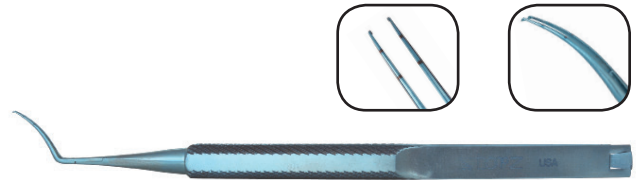
- Non rotating squeeze handle for MICS™ procedures.
- Titanium.
- Overall length: 111mm, 4.4 inches.



*Not Available in Canada.

ET2012 Devgan Micro Capsulorhexis Forceps

- The ultra-fine tips of this cross action forceps are ideal for small incision procedures, including sub-2 mm coaxial phaco incisions.
- The mildly sharpened tips are designed to allow the surgeon to puncture the capsule and securely grab the capsule.
- 2.5mm and 5.0mm marks on the shafts are designed as a measuring tool, providing the radius and diameter of the capsulorhexis as it is being created.
- An iris stop feature is designed to provide the surgeon with excellent grasp of the capsule without engaging the iris.
- The cross action handle is designed for excellent alignment of the fine tips, reducing wound gape, loss of viscoelastic and AC shallowing.
- Overall length: 119mm, 4.7 inches.



E2020 S Devine Micro Capsulorhexis Forceps Sharp Tips

- The reduced shaft diameter allows this forceps to be used through a 1.8mm coaxial phaco incision.
- The angled sharp tips allow this instrument to perforate the capsule to initiate the capsulorhexis.
- The curved shafts and round handle enhance control.
- Overall length: 107mm, 4.2 inches.



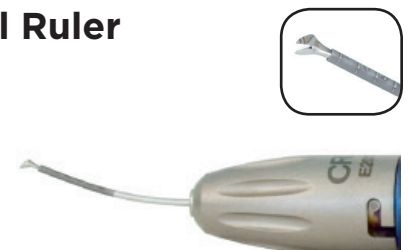
E2013H MICS™ Capsulorhexis Forceps Handle

- Handle designed for the E2013T MICS™ Capsulorhexis Forceps Tip with Seibel Ruler (sold separately).
- Overall length: 103mm, 4.0 inches.



E2013T MICS™ Capsulorhexis Forceps Tip with Seibel Ruler

- Designed for creating the capsulorhexis during microincision cataract surgery.
- The Seibel Ruler, etched on the top of the instrument shaft, is used for determining the diameter for capsulorhexis and is especially useful when a specific capsulorhexis diameter is required for various lens implants.
- The forceps tips are serrated to provide excellent grasp of the capsule.
- Requires E2013H MICS™ Capsulorhexis Forceps Handle, sold separately.
- Overall length: 33mm, 1.3 inches.



*Not Available in Canada.

Forceps

E2026* Silverstein MICS™ 1.8mm Capsulorhexis Forceps

- This unique styled forceps are ultra-thin profile, allowing maximum maneuverability through a sub-2.0mm incision, without oar-locking or unnecessary distortion of the wound architecture during capsulorhexis.
- In addition, the 5.0mm and 6.0mm marks on the anterior blade surface allows the surgeon to create consistent, central capsulorhexis.
- Overall length: 81mm, 3.2 inches.



E2002 M Utrata MICS™ Capsulorhexis Forceps

- Fine angled tips ideal for grasping delicate capsule during MICS™ 1.8mm procedures.
- Angled 13mm shafts with iris stop allows ease of movement in the anterior chamber.
- Flat handle with non-glare finish.
- Overall length: 80mm, 3.2 inches.



ET1202 Utrata MICS™ Capsulorhexis Forceps Titanium

- Fine angled tips ideal for grasping delicate capsule during 1.8mm MICS™ procedures.
- Angled 13mm shafts with iris stop allows ease of movement in the anterior chamber.
- Titanium handle designed after the Stellaris® System handpiece.
- Overall length: 107mm, 4.2 inches.



CILIA

E2162 Barraquer Cilia Forceps

- Also referred to as McLean-Putney suture forceps.
- Slightly curved 7mm long platform.
- Serrated handle with polished finish.
- Overall length: 110mm, 4.3 inches.



*Not Available in Canada.

E2156 **STORZ® Cilia Forceps Wide**

- Wide 1mm x 3mm smooth platform.
- Serrated handle with polished finish.
- Overall length: 75mm, 3.0 inches.



E2160 **STORZ® Cilia Forceps Narrow**

- Narrow smooth jaws.
- Serrated handle with polished finish.
- Overall length: 84mm, 3.3 inches.



CORNEAL

E2039 **Carlson DSEK Graft Forceps**

- These forceps are designed to grasp the graft for insertion into the anterior chamber.
- The forceps platforms at the tip provide secure grasp
- A platform at the rear of the forceps arms provide a mechanical stop to prevent crushing the tissue.
- Overall length: 85mm, 3.3 inches.



ET3122 **Charlie Forceps II**

- This instrument is a modification to the ET3121 Charlie Forceps, designed to minimize compression at the tips and maximize donor endothelial survival during donor insertion for the DSAEK, DSEK and DLEK procedures.
- The forceps have been modified with a 150 micron space between the tips, allowing tissue insertion without crushing while reducing cell damage.
- Overall length: 104mm, 4.1 inches.



E3204 C **Cohan Corneal Utility Forceps Colibri Style**

- 0.12mm, 1 x 2 teeth set at 55° with 5mm tying platform.
- Serrated handle
- Polished finish on body, dull finish on shafts.
- Overall length: 60mm, 2.4 inches.



*Not Available in Canada.

Forceps

2-132 Colibri Forceps 0.12mm

- 0.12mm 1 x 2 teeth with 5mm platform and 2mm angled tips.
- Flat serrated handle, dull finish.
- Titanium.
- Overall length: 86mm, 3.3 inches.



ET3199 Colibri Forceps 0.12mm

- 0.12mm.
- 1 x 2 teeth.
- Serrated handle with dull finish.
- Titanium.
- Overall length: 73mm, 2.9 inches.



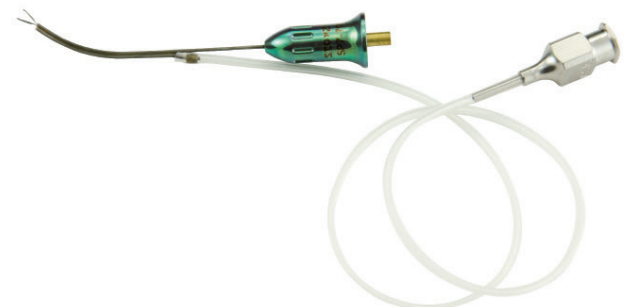
2-135 Colibri Forceps 0.12mm Long Handle

- 0.12mm 1 x 2 teeth with 6mm platform and 2mm angled tips.
- Flat serrated handle, dull finish.
- Titanium.
- Overall length: 114mm, 4.5 inches.



E3130* Desai DSEK Forceps

- This forceps is designed for use in the DSEK procedure to transfer the donor tissue from the inserter into the patient's anterior chamber.
- It features tissue-friendly, gentle grip jaws and an attached cannula to irrigate the eye and expand the graft.
- 23 Gauge.
- For use with ET8198H StableGrip® Vitroretinal Handle (sold separately).
- Overall length: 64mm, 2.5 inches.



*Not Available in Canada.

E1317* **Fogla Stromal Fixation Forceps**

- This forceps is designed to stabilize a DALK graft or full thickness donor tissue during suturing.
- The dual forceps tips are set at 8mm apart and are equipped with 0.12mm, 1x2 teeth.
- Overall Length: 81mm, 3.2 inches.



Girard Corneoscleral Forceps Colibri Style

- 6mm tying platform.
- Round knurled handle with polished finish.
- Teeth: 0.12mm, 1 x 2.
- Overall length: 107mm, 4.2 inches.



Catalog # Orientation

E3193 | Left

E3195 | Right

E3204 **Harms Corneal Utility Forceps Colibri Style**

- 0.12mm, 1 x 2 teeth set at 35° with 4.5mm tying platform.
- Serrated handle with polished finish.
- Overall length: 70mm, 2.7 inches.



E3144* **John DMEK Lifting Forceps**

- Potential donor Descemet's membrane (DM) tears can occur during lifting and separation of the DM that can be costly with loss of the donor tissue.
- This lifting forceps is designed to hold the DM firmly without slippage, and spreads the forces uniformly during DM-lifting.
- Polished finish
- Titanium
- Overall length: 91mm, 3.6 inches.

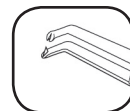


*Not Available in Canada.

Forceps

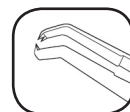
E3190 **Katzin-Barraquer Corneal Utility Forceps Colibri Style**

- 0.5mm, 1 x 2 teeth and 6mm tying platform.
- Serrated handle with polished finish.
- Overall length: 73mm, 2.9 inches.



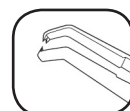
E3207 45 **Maumenee Corneal Forceps Colibri Style 45 Degree**

- 5mm tying platform, serrated cross action handle with polished finish.
- Teeth: 0.10mm, 1 x 2 set at 45°.
- Overall length: 121mm, 4.8 inches.



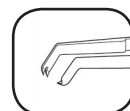
E3207 90* **Maumenee Corneal Forceps Colibri Style 90 Degree**

- 5mm tying platform, serrated cross action handle with polished finish.
- Teeth: 0.10mm, 1 x 2 set at 90°.
- Overall length: 121mm, 4.8 inches.



E3187 **Nordan Colibri Forceps**

- Stainless steel model of the popular Nordan titanium Colibri forceps.
- Tying platform with 0.12mm teeth for grasping delicate structures.
- Flattened round handle with dull finish.
- Overall length: 104mm, 4.1 inches.



E3196 **O'Gawa Colibri Forceps**

- Colibri style tips with 0.12mm, 1 x 2 teeth.
- Round knurled handle with alignment pin and polished finish.
- Overall length: 106mm, 4.2 inches.



*Not Available in Canada.

E3215 Polack Double Corneal Forceps Colibri Style

- Two 2.75mm long tips separated 1mm with 1 x 2 teeth.
- Serrated handle with dull finish.
- Overall length: 71mm, 2.8 inches.



E2015 Snyder Stripping Forceps

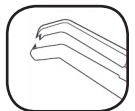
- Tips of these forceps are angled upwards to grasp the edge of Descemet's membrane to complete the stripping technique.
- Iris stop allows the surgeon to reliably grasp the membrane without grasping iris or other ocular structures.
- Overall length: 83mm, 3.3 inches.



Corneal

E3205 STORZ® Corneal Forceps Colibri Style

- 0.12mm, 1 x 2 teeth set at 55° offset, 6mm platform.
- Wide serrated handle with polished finish.
- Overall length: 106mm, 4.2 inches.



E3121* Straiko Twin Ring Forceps

- These forceps are specially designed for the removal of the diseased Descemet's membrane from the patient's eye while avoiding any disruption to the stromal bed.
- The ring design on the tips provides excellent grasping of the fine membrane and avoids engaging stromal fibers that could promote graft detachments.
- Overall length: 82.55 mm, 3.2 inches.



*Not Available in Canada.

Forceps

Troutman-Barraquer Corneal Utility Forceps Colibri Style

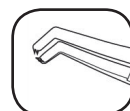
- 1 x 2 teeth.
- Serrated handle with polished finish.
- Overall length: 73mm, 2.9 inches.

Catalog #	Teeth Size	Tying Platform
E3199 US	0.12mm	N/A
E3191	0.3mm	6mm
E3197 US	0.5mm set at 45°	6mm



E3203 0.12 University of Kansas Corneal Forceps Colibri Style

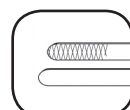
- Serrated handle with 6mm tying platform and polished finish.
- Teeth: 0.12mm, 2 x 2.
- Overall length: 107mm, 4.2 inches.



DRESSING

E1506 Bishop-Harmon Dressing Forceps

- Straight crisscross serrated tips.
- Flat handle with holes and polished finish.
- Overall length: 86mm, 3.4 inches.



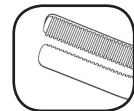
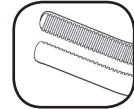
*Not Available in Canada.

Curved Dressing Forceps with Serrations

- Serrated handle with polished finish.
- Tips: Delicate.



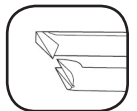
Catalog #	Tips	Shaft	Overall Length
E1406	Delicate	Gently curved	99mm, 3.9 inches
E1410	Heavy	Gently curved	99mm, 3.9 inches
E1408	Delicate	Strong curve	98mm, 3.8 inches
E1400	Delicate 11mm	Straight	100mm, 3.9 inches
E6760	Delicate 11mm	Straight non-magnetic	100mm, 3.9 inches
E1404	Heavy 12mm	Straight	102mm, 4.0 inches



FIXATION/TISSUE

E1502 Bishop-Harmon Tissue Forceps Delicate Straight

- Straight shafts with 1 x 2 teeth.
- Flat handle with holes and polished finish.
- Delicate teeth.
- Overall length: 85mm, 3.3 inches.



E1500 C Bishop-Harmon Tissue Forceps Fine Curved

- Curved shafts with fine 1 x 2 teeth.
- Flat handle with holes and polished finish.
- Overall length: 85mm, 3.3 inches.

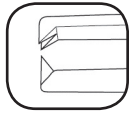


*Not Available in Canada.

Forceps

E1500 Bishop-Harmon Tissue Forceps Fine Straight

- Straight shafts with 1 x 2 teeth.
- Flat handle with holes and polished finish.
- Fine teeth.
- Overall length: 86mm, 3.4 inches.



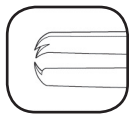
E1793 US Castroviejo Fixation Forceps 0.3mm

- Straight shafts, 1 x 2 teeth.
- Wide serrated handle with polished finish.
- Teeth: 0.3mm.
- Overall length: 108mm, 4.3 inches.



E1795 US Castroviejo Fixation Forceps 0.5mm

- Straight shafts, 1 x 2 teeth.
- Wide serrated handle with polished finish.
- Teeth: 0.5mm.
- Overall length: 109mm, 4.3 inches.



E1684 Elschmig Fixation Forceps Narrow

- Straight shafts with 2.0mm, 1 x 2 Elschmig style teeth.
- Serrated handle with polished finish.
- Handle: Narrow.
- Overall length: 111mm, 4.4 inches.



*Not Available in Canada.

E1560 **Graefe Fixation Forceps Narrow 3.5mm No Lock**

- Jaws with fine teeth.
- Serrated handle with polished finish.
- Jaws: Narrow, 3.5mm.
- Without thumb catch lock.
- Overall length: 108mm, 4.3 inches.



E1572 **Graefe Fixation Forceps Wide 4.5mm Lock**

- Jaws with fine teeth.
- Serrated handle with polished finish.
- Jaws: Wide, 3.7mm.
- With thumb catch lock.
- Overall length: 109mm, 4.3 inches.



E1562 **Graefe Fixation Forceps Wide 4.5mm No Lock**

- Jaws with fine teeth.
- Serrated handle with polished finish.
- Jaws: Wide, 4.2mm.
- Without thumb catch lock.
- Overall length: 109mm, 4.3 inches.



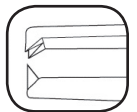
E1600 **Green Fixation Forceps**

- Narrow 10mm jaws with fine teeth.
- Serrated handle with polished finish.
- Overall length: 102mm, 4.0 inches.



E1724 **Iowa State Fixation Forceps**

- Straight shafts with 1 x 2 teeth.
- Flat handle with polished finish.
- Overall length: 85mm, 3.3 inches.



*Not Available in Canada.

Forceps

E1654 **Lester Fixation Forceps 1 x 2**

- Straight shafts and serrated handle with polished finish.
- Teeth: Fine 1 x 2 teeth.
- Overall length: 96mm, 3.8 inches.



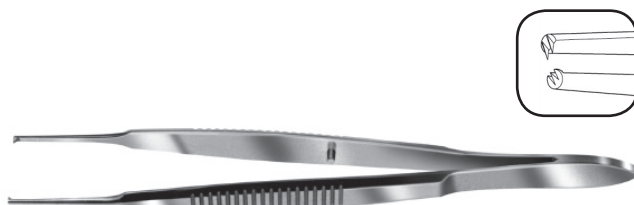
E6768 **Lester Fixation Forceps 1 x 2 Non-Magnetic**

- Straight shafts with heavy 1 x 2 teeth.
- Non-magnetic with serrated handle and polished finish.
- Overall length: 95mm, 3.7 inches.



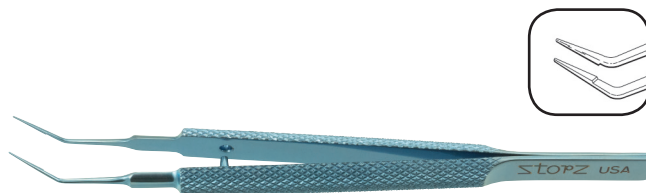
E1656 **Lester Fixation Forceps 2 x 3**

- Straight shafts and serrated handle with polished finish.
- Teeth: Fine 2 x 3 teeth.
- Overall length: 96mm, 3.8 inches.



ET1305 **Machat Forceps**

- Smooth tip forceps allow the surgeon to manipulate and smooth the corneal flap in LASIK procedures.
- Tip angled 9mm from tip.
- Titanium.
- Overall length: 100mm, 3.9 inches.



E1553 **Moody Curved Fixation Forceps**

- Curved shafts with 0.5mm, 1 x 2 teeth.
- Serrated handle with thumb catch lock and dull finish.
- Overall length: 108mm, 4.3 inches.



E1717 **Osher Conjunctival Fixation Forceps 0.3mm**

- Straight shafts with 5.5mm tying platform and 45° 0.3mm teeth.
- Wide serrated handle with polished finish.
- Overall length: 108mm, 4.3 inches.



*Not Available in Canada.

E1564 Osher Forceps Elschmig Teeth 0.12mm

- The Elschmig teeth of this forceps are ideal for grasping sclera during suturing.
- Delicate tying platform handles the finest suture material.
- 0.12mm, 1 x 2 teeth, 3mm platform.
- Overall length: 104mm, 4.1 inches.



ET3200 Pierse Colibri Forceps

- Colibri handle.
- Pierse tips with 4.5mm platform.
- 2.5mm angled tips.
- Titanium.
- Overall length: 70mm, 2.8 inches.



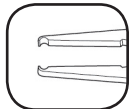
E1943 22 Pierse Colibri Forceps Micro

- Colibri style 0.1mm Pierse tips.
- Flat open handle with dull finish.
- Overall length: 78mm, 3.1 inches.



2-100 Pierse Forceps Straight

- Straight shafts with 6mm platform and Pierse tips.
- Flat serrated handle with dull finish.
- Titanium.
- Overall length: 85mm, 3.3 inches.



E3207 Sheppard Conjunctival Forceps

- Cross-action forceps are designed to provide atraumatic grasping of the conjunctival tissue with a Pierse tip.
- Tips are angled 55° with a 5.0mm tying platform.
- Overall length: 119mm, 4.4 inches.

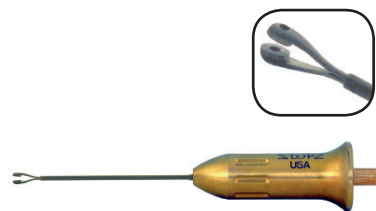


*Not Available in Canada.

Forceps

ET1789STL **Snyder 23 Gauge Forceps**

- This forceps tip is designed for intraocular grasping of delicate structures in the anterior chamber.
- The broad circular fenestrated platform surface of this forceps is ideal for grasping iris and other delicate intraocular structures.
- The instrument features a 23 gauge shaft for secure grasp and ease of manipulation through a small incision.
- Use with ET8198H StableGrip® Vitreoretinal Handle (sold separately).
- Overall length: 47mm, 1.9 inches.



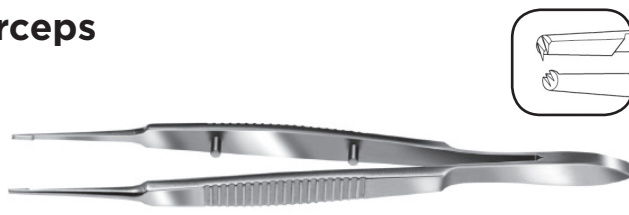
E1801 **Thornton Angled Fixation Forceps**

- Straight shafts with 25° angled 1.5mm tips.
- 5mm platform with 0.12mm, 1 x 2 teeth.
- Wide serrated handle with polished finish.
- Overall length: 109mm, 4.3 inches.



E1730 US **Thorpe Conjunctival Fixation Forceps**

- Straight shafts with 90°, 2 x 3 teeth and tying platform.
- Serrated handle with polished finish.
- Overall length: 94mm, 3.7 inches.



E1732 US **Thorpe Corneal Fixation Forceps 0.12mm**

- Straight shafts with 45°, 0.12mm, 2 x 3 teeth and tying platform.
- Serrated handle with polished finish.
- Overall length: 94mm, 3.7 inches.



E1420 **Tissue Forceps Delicate Straight**

- Straight shafts with 1 x 2 teeth.
- Serrated handle with polished finish.
- Delicate teeth.
- Overall length: 100mm, 3.9 inches.



*Not Available in Canada.

E1422 Tissue Forceps Heavy Straight

- Straight shafts with 1 x 2 teeth.
- Serrated handle with polished finish.
- Heavy teeth.
- Overall length: 100mm, 4.0 inches.



E6764 Tissue Forceps Non-Magnetic Straight

- Straight shafts with 1 x 2 teeth.
- Serrated handle, non-magnetic and polished finish.
- Overall length: 100mm, 3.9 inches.



E1790* Weinstock Intraocular Tissue Forceps

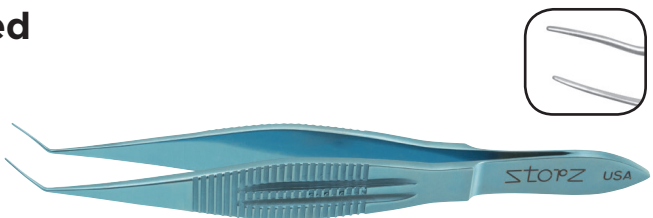
- This serrated intraocular forceps is designed for use in microincisional surgery.
- The serrated surface is designed to be slightly stronger than the smooth option and ease manipulating, fixating, or grasping an IOL while minimizing damage to the lens.
- This instrument may also be used for grasping iris or other tissues and for intraocular suturing.
- Uses the ET8190 H Fixed Coaxial Handle (sold separately).
- Overall length: 43mm, 1.7 inches.



INTRAOCULAR LENS

ET2905 Buratto Insertion Forceps Angled

- Angled insertion forceps used for the HYDROVIEW lens.
- Titanium.
- Overall length: 104mm, 4.1 inches.



E2967 Cozean-McPherson Angled Lens Forceps

- Angled 45° shafts.
- 7mm from tip to bend with grooved 2mm platform for grasping lens haptic.
- Serrated McPherson style handle with dull finish.
- Overall length: 80mm, 3.1 inches.



*Not Available in Canada.

Forceps

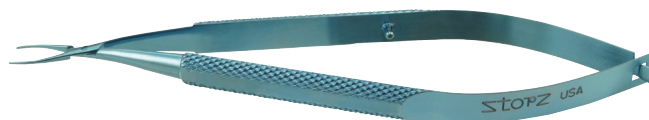
ET2912 enVista® IOL Loading Forceps

- This instrument is designed to load the enVista® IOL into the lens cartridge of the Bausch + Lomb Injector System (BLIS).
- Polished tips designed to protect the lens surface from scratching.
- Overall length 114mm, 4.5 inches.



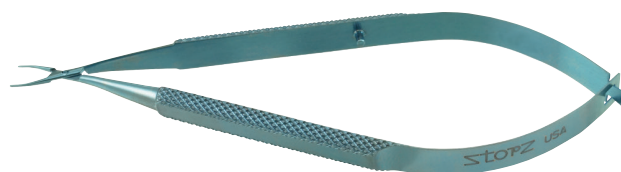
2-718 Hydro Insertion Forceps

- Forceps designed for insertion of Hydroview foldable intraocular lenses.
- Unique cross-action design allows for easy insertion of most foldable lens styles.
- Titanium.
- Overall length: 119mm, 4.7 inches.



ET2900 Hydroview Insertion Forceps Titanium

- This forceps was designed with thinner, longer jaws to allow insertion of the Hydroview IOL through a tunnel or clear corneal incision.
- The forceps grasp the lens securely, but will not damage the lens.
- The jaws open wide enough to allow the lens to easily unfold into the posterior chamber.
- Titanium.
- Overall length: 107mm, 4.2 inches.



E2014 Implant Removal Forceps

- This versatile instrument provides an excellent grasp of the lens optic or lens segment to efficiently remove from the anterior chamber.
- Excellent for acrylic and silicone IOLs.
- Cross action and thin instrument shaft allows insertion through the small wound.
- Overall length: 120mm, 4.8 inches.



*Not Available in Canada.

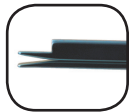
E2959 IOL Forceps

- These forceps are designed to be used with prepositioned, winged cartridge IOL delivery systems.
- The jaws feature small paddles which stabilize and prevent upward rocking of the implant while gently sliding the IOL, positioned on a drop of viscoelastic, on the platform and into the cartridge bed.
- Once positioned in the cartridge bed, the forceps can be closed and positioned gently on top of the IOL to prevent the implant from folding opposite the intended direction.
- This instrument will work well with both acrylic and silicone implants.
- Overall length: 94mm, 3.7 inches.



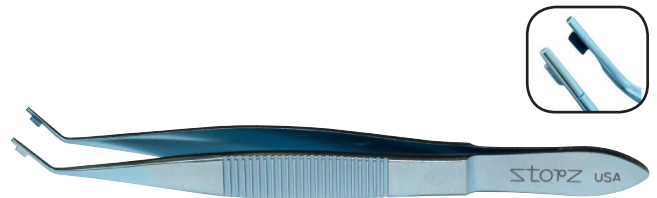
ET2910* Loading Forceps

- Used to load the AcrySof IOL into the Monarch® II cartridges.
- Highly polished tips protect lens surface from scratching.
- Features a round handle.
- Titanium.
- Overall length: 122mm, 4.8 inches.



E2976 Osher-Seibel Folding Forceps

- A gently curved forceps designed to easily fold today's soft intraocular lenses.
- The serrated handle ensures a firm grip throughout the folding procedure.
- Titanium
- Overall length: 107mm, 4.2 inches.



E2975 Shepard Curved Intraocular Lens Forceps

- Curved shafts with serrated 1.6mm upper and 2.6mm lower jaws.
- Serrated cross action handle with slide lock and polished finish.
- Overall length: 94mm, 3.7 inches.



*Not Available in Canada.

Forceps

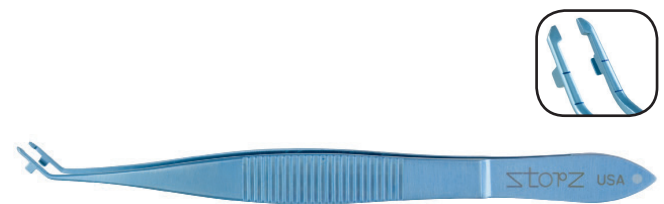
2-700 **Shepard IOL Insertion Forceps**

- Curved 18mm shafts with 1.91mm wide grasping tip.
- Flat, serrated cross action handle with dull finish.
- Titanium.
- Overall length: 108mm, 4.3 inches.



ET2904 **Steinert Folding Forceps**

- Forceps designed to assist with folding intraocular lenses.
- Titanium.
- Overall length: 111mm, 4.4 inches.



E2988 **Thornton Intraocular Lens Forceps**

- Facilitates grasping and implanting the haptic loop beneath the pupil margin and within the capsular bag without wrist twisting.
- Angled 45° 11mm long jaws are placed in the same vertical plane as the handle.
- Smooth, flat, cross action handle with dull finish.
- Overall length: 86mm, 3.4 inches.



E2981 **Universal Folding Forceps**

- Designed to accurately fold most flexible intraocular lenses for ease of grasping with the folding instruments.
- The notched jaws align the implant and position it for a precise fold.
- Ideal for lens diameters from 5.5mm and greater.
- Grasping platform on tip is great for tucking the haptic between the lens halves.
- Overall length: 111mm, 4.4 inches.

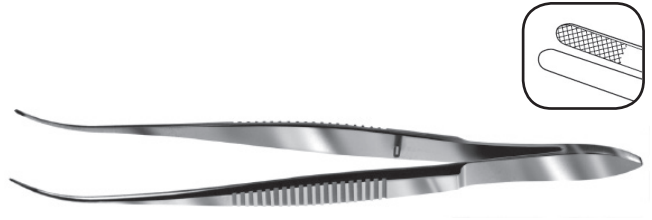


*Not Available in Canada.

IRIS

E1416 **Bracken Curved Iris Forceps**

- Delicate cross serrated lightly curved tips with serrated handle and polished finish.
- Overall length: 98mm, 3.9 inches.



E1475 **Gill Curved Iris Forceps With Serrations**

- Delicate curved shafts with light crisscross serrations.
- Serrated handle with polished finish.
- Overall length: 75mm, 2.9 inches.



JEWELER

E1947 5H **Hirschman Jeweler Type Forceps Extra Fine**

- Straight, narrowed shafts with extra fine blunted tips.
- Smooth handle with dull finish.
- Overall length: 110mm, 4.3 inches.



*Not Available in Canada.

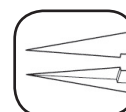
Forceps

Jeweler Type Forceps

- Straight shafts with pointed tips.
- Smooth handle with dull finish.



Catalog #	Tips	Tying Platform	Handle	Overall Length
E1947 3C	Extra fine	N/A	Standard	111mm, 4.4 inches
E1947 3	Extra fine	N/A	Long	120mm, 4.7 inches
E1947 1	Fine	N/A	Standard	120mm, 4.7 inches
E1947 T1	Fine	6mm	Standard	120mm, 4.7 inches
E1947 T3C	Extra fine	6mm	Standard	110mm, 4.3 inches
E1947 T3	Extra fine	6mm	Long	120mm, 4.7 inches

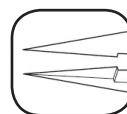


Jeweler Type Forceps Extra Fine

- Straight shafts with extra fine pointed tips.
- Smooth handle with dull finish.
- Overall length: 110mm, 4.3 inches.



Catalog #	Tips	Tying Platform	Shafts
E1947 4	Extra fine	N/A	Narrow
E1947 5	Extra fine	N/A	Narrower
E1947 T4	Extra fine	6mm	Narrow
E1947 T5	Extra fine	6mm	Narrower



E1947 7 Jeweler Type Forceps Fine Curved

- Curved shafts with fine pointed tips.
- Smooth handle with dull finish.
- Overall length: 116mm, 4.6 inches.



*Not Available in Canada.

Jeweler Type Forceps

- Straight shafts with 3mm crisscross serrated platform.
- Polished finish.
- Overall length: 109mm, 4.3 inches.

Catalog #	Handle
E1945	Serrated
E1946	Wide Serrated



MISCELLANEOUS

MacGregor Conjunctiva Forceps

- Straight shafts with 5.5mm tying platform and 1mm crisscross serrated tips.
- Polished finish.
- Overall length: 108mm, 4.3 inches.

Catalog #	Handle
E1735	Serrated
E1736	Wide Serrated

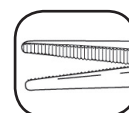
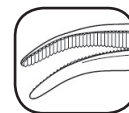


MOSQUITO

Halstead Curved Hemostatic Mosquito Forceps

- Serrated jaws.
- Ring handle with ratchet lock
- Dull finish

Catalog #	Jaws	Size	Overall Length
E3922	Curved	21mm	124mm, 4.9 inches
E6773	Curved non-magnetic	21mm	120mm, 4.7 inches
E3920	Straight	21mm	118mm, 4.6 inches
E6772	Straight non-magnetic	23mm	124mm, 4.9 inches



*Not Available in Canada.

Forceps

Hartman Straight Hemostatic Mosquito Forceps

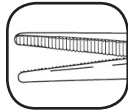
- 20mm serrated jaws.
- Most delicate.
- Ring handle with ratchet lock and dull finish.
- Overall length: 99mm, 3.9 inches.

Catalog #

E3915

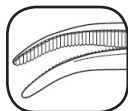
Jaws

Straight



E3916

Curved



MUSCLE

E2304 Bishop Tendon Tucker

- Triangular shaped tips.
- Marked for 5mm and 10mm tucks.
- Round knurled handle with polished finish.
- Overall length: 118mm, 4.7 inches.



Jameson Muscle Forceps

- Angled shafts with scaled jaws.
- 1mm teeth on one jaw fit into holes on the other jaw.
- Slide lock and serrated handle with polished finish.
- Overall length: 100mm, 3.9 inches.



Catalog #

E2330

Orientation

Left

Jaws

12mm

E2331

Right

12mm

E2334

Left

9mm (child size)

E2335

Right

9mm (child size)

E1686 Troutman Superior Rectus Forceps

- Shafts angled 45°, 10mm from tip to bend.
- 1 x 2 teeth.
- Serrated handle with dull finish.
- Overall length: 106mm, 4.2 inches.



*Not Available in Canada.

RETINAL

Single-Use Vitreoretinal Forceps



- Designed for consistency and convenience.
- The balanced design provides optimal feel and control.



Catalog #	Tip	Gauge	Hub Color
SUI03-12*	Asymmetric Peeling	23	Green
SUI05-12*	Asymmetric Peeling	25	Blue
65023S-12	Eckardt Endgripping	23	Green
65025S-12	Eckardt Endgripping	25	Blue
SUI13-12	Eckardt Endgripping	27	Magenta
SUI09-12*	ILM	20	Grey
SUI07-12*	ILM	23	Green
SUI08-12*	ILM	25	Blue
SUI10-12*	Serrated	20	Grey
SUI11-12*	Serrated	23	Green
SUI12-12*	Serrated	25	Blue



Retinal

ET8212 T L Endgripping Forceps 20 Gauge

- 20 gauge.
- Used to peel Epiretinal membrane and also ILM.
- Provides a smaller delicate grasp of tissue and has less mass at the tip of the instrument allowing for easier visualization of tissue and a precise grasp of delicate membranes.
- Rotatable.
- Use with ET8198H StableGrip® Vitreoretinal Handle (sold separately).
- Overall length: 57mm, 2.2 inches.






*Not Available in Canada.

Forceps

Vitreoretinal Endgripping Forceps





- Low glare.
- Rotatable.
- Use with ET8198H StableGrip® Vitreoretinal Handle (sold separately).

Catalog #	Tip	Gauge	Ring Color	
ET8202 TL	Endgripping	20	Green	
ET8211 T L	ILM	20	Grey	
ET8200 TL	Pic	20	Red	



StableGrip® Forceps

- Front half colored to indicate tip type.
- Back half colored to indicate gauge.
- Use with ET8198H StableGrip® Vitreoretinal Handle (sold separately).

Catalog #	Tip	Gauge	Hub Color	
ET8309	Asymmetrical Peeling	23	Purple/Green	
ET8509	Asymmetrical Peeling	25	Purple/Blue	
ET8312	Endgripping	23	Light Blue/Green	
ET8512	Endgripping	25	Light Blue/Blue	
ET8310	ILM	23	Silver/Green	
ET8510	ILM	25	Silver/Blue	
ET8308	Micro Pic	23	Brown/Green	
ET8508	Micro Pic	25	Brown/Blue	
ET8314	Micro	23	Green	
ET8514	Micro	25	Dark Blue	



*Not Available in Canada.

ET8517* **Membrane Peeling Forceps Serrated**

- Serrated tip.
- 25 Gauge
- Overall length: 58mm, 2.3 inches.



ET8518* **Membrane Peeling Forceps Smooth**

- Smooth tip.
- 25 Gauge
- Overall length: 58mm, 2.3 inches.



Retinal

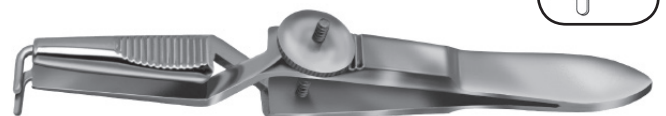
ET8200H **StableGrip® Slimline VR Handle**

- For those who prefer a more slender handle design, the StableGrip® Slimline VR Handle is designed to offer surgeons exquisite control and rotational positioning and is compatible with the Storz® family of vitreoretinal forceps and scissors which are available in 20, 23 and 25 gauge designs.
- Overall length: 104mm, 4.1 inches.



E5376 **Lambert Sleeve Spreader**

- Smooth 90° jaws with locking screw maintain proper stretch of sleeve for securing silicone bands.
- Overall length: 113mm, 4.4 inches.



E1983 **Landers Vitrectomy Lens Forceps**

- For use with the Landers Vitrectomy Lens Set (MVS 1079A).
- Shafts angled 45° with curved grooved blades for holding the Landers vitrectomy lenses.
- Polished finish.
- Overall length: 107mm, 4.2 inches.



*Not Available in Canada.

Forceps

E8709 Plug Removal Forceps 25 Gauge

- Forceps used to remove scleral plugs used in a TVS25 system.
- Overall length: 84mm, 3.3 inches.
- Forceps used to remove scleral plugs used in a TVS25 system.
- Overall length: 84mm, 3.3 inches.



MVS 1046 Scleral Plug Forceps

- Designed to securely hold scleral plugs during insertion and removal.
- The cross action handle is designed to reduce hand fatigue while grasping plug.
- Dull finish.
- Overall length: 104mm, 4.1 inches.



ET8198H StableGrip® Vitreoretinal Handle

- This contoured handle is ideal for all StableGrip® vitreoretinal tips.
- The enhanced activation design facilitates smooth and consistent tip closure.
- The fingertip rotation control allows for accurate tip alignment.
- Titanium construction provides balance and tactile control.
- 20 gauge, 23 gauge and 25 gauge forceps and scissors sold separately.
- Overall length: 104mm, 4.1 inches.



E5378 Watzke Sleeve Spreading Forceps

- Serrated 11mm tips angled 30°.
- Serrated cross action handle with polished finish.
- Overall length: 120mm, 4.7 inches.



*Not Available in Canada.

SUTURING

SUE02-12* **Bonn Forceps**

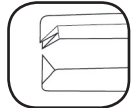


- Features 1x2, 0.12mm teeth and a 3.5mm tying platform.
- Designed for tissue manipulation and suturing.
- Overall length: 100mm, 3.9 inches.



E1809 US **Bonn Suturing Forceps 0.12mm**

- Straight shafts with 0.12mm teeth.
- Serrated handle with polished finish.
- Overall length: 69mm, 2.7 inches.



2-110 **Bonn Suturing Forceps 0.12mm Titanium**

- 0.12mm 1 x 2 teeth with 6mm platform.
- Flat serrated handle with dull finish.
- Titanium.
- Overall length: 85mm, 3.3 inches.



Castroviejo Suturing Forceps

- Straight shafts with teeth and 6mm tying platform.
- Wide serrated handle with polished finish.
- Overall length: 110mm, 4.3 inches.



Catalog

E1796

E1797 US

E1798 US

E1799

Teeth

0.12mm

0.3mm

0.5mm

1.5mm

*Not Available in Canada.

Forceps

E1806 **Castroviejo Suturing Forceps Angled**

- Angled 45° shafts with 0.5mm teeth and 5.5mm tying platform.
- Polished finish.
- Overall length: 108mm, 4.3 inches.



Castroviejo Suturing Forceps Bayonet

- Bayonet shafts with teeth and 6mm tying platform.
- Wide serrated handle with polished finish.
- Overall length: 106mm, 4.2 inches.

Catalog #	Teeth
E1783	0.3mm
E1785	0.5mm



Castroviejo Suturing Forceps Narrow

- Straight shafts with teeth and 5.5mm tying platform.
- Serrated handle with polished finish.
- Overall length: 108mm, 4.3 inches.

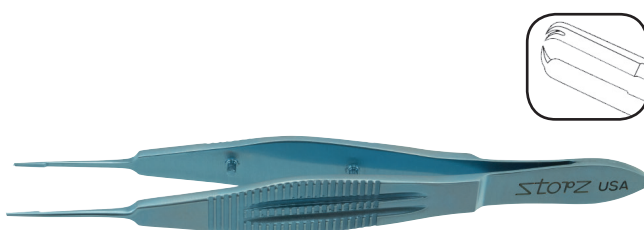
Catalog #	Teeth
E1800	0.5mm
E1802	0.9mm



Castroviejo Suturing Forceps Titanium

- Straight shafts with teeth and 5.5mm tying platform.
- Wide serrated handle with dull finish.
- Titanium.
- Overall length: 109mm, 4.3 inches.

Catalog #	Teeth
ET1797	0.3mm
ET1798	0.5mm
ET1796	0.12mm



*Not Available in Canada.

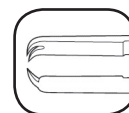
ET1200 **Castroviejo Suturing Forceps Titanium**

- Straight shafts with teeth and 5.5mm tying platform.
- Teeth: 0.12mm.
- Titanium handle designed after the Stellaris® System handpiece.
- Overall length: 107mm, 4.2 inches.



Fine-Castroviejo Suturing Forceps

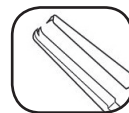
- Straight shafts with polished finish.
- Overall length: 110mm, 4.3 inches.



Catalog #	Teeth	Tying Platform	Handle
E1805 XDUS	0.12mm	6.0mm	Serrated
E1805 US	0.22mm	5.5mm	Serrated
E1805 XDWH	0.18mm	6.0mm	Wide Serrated

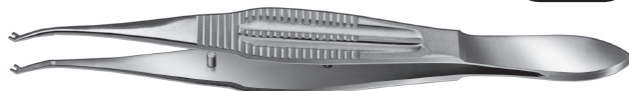
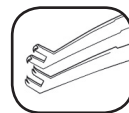
E1813 AKUS **Kelman-McPherson Angled Suturing-Corneal Forceps**

- Angled 45° shafts 8mm long with 1 x 2 teeth and 5mm tying platform.
- 0.7mm teeth
- Serrated handle with dull finish.
- Overall length: 85mm, 3.3 inches.



E1817 S **Lieberman Suturing Forceps**

- Colibri style tips.
- Double toothed tips with 0.10mm teeth spaced 1mm apart and 7.5mm tying platform.
- Wide serrated handle with polished finish.
- Overall length: 109mm, 4.3 inches.



E1832 **Manhattan Eye and Ear Suturing Forceps**

- Straight shafts with 1 x 2 teeth and 6mm tying platform.
- Wide smooth handle with polished finish.
- Overall length: 88mm, 3.5 inches.



*Not Available in Canada.

Forceps

McPherson Suturing-Corneal Forceps

- 1 x 2 teeth and 5mm tying platform.
- Serrated handle with dull finish.
- Overall length: 85mm, 3.3 inches.

Catalog #	Shafts	Overall Length
E1813 A	45°	86mm, 3.4 inches
E1813 SUS	Straight	87mm, 3.4 inches



E1831 Paufigue Suturing Forceps

- Straight shafts with 1 x 2 teeth and 6mm tying platform.
- Wide serrated handle with polished finish.
- Overall length: 88mm, 3.4 inches.



E1830 Sauer Suturing Forceps

- Straight shafts with 1 x 2 teeth.
- Wide serrated handle with polished finish.
- Overall length: 87mm, 3.4 inches.



ET1789CTL Snyder 23 Gauge Suturing Forceps Curved

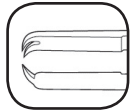
- The sturdy 23 gauge shaft and gently curved jaws provide excellent utility in the anterior chamber for grasping and tying sutures for various intraocular techniques.
- Low glare surface reduces light reflection in the eye.
- Use with ET8198H StableGrip® Vitreoretinal Handle (sold separately).
- Overall length: 50mm, 2.0 inches.



*Not Available in Canada.

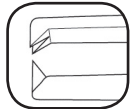
E1798 S **Stern-Castroviejo Suturing Forceps 0.5mm**

- Straight shafts with 0.5mm teeth and 6mm tying platform.
- Wide serrated handle with thumb catch lock and polished finish.
- Overall length: 108mm, 4.3 inches.



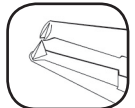
E1811 US **STORZ® Bonn Suturing Forceps 0.12mm**

- Straight shafts with 0.12mm teeth and 5mm tying platform.
- Serrated handle with polished finish.
- Overall length: 94mm, 3.7 inches.



ET1811 **STORZ® Bonn Suturing Forceps 0.12mm Titanium**

- Straight shafts with 0.12mm teeth and 5mm tying platform.
- Serrated handle with dull finish.
- Titanium.
- Overall length: 94mm, 3.7 inches.



TOWEL/SERREFINE

E3904 **Dieffenbach Serrefine**

- 20mm jaws.
- Polished finish.
- Overall length: 57mm, 2.2 inches.



E6774 **Schaedel Towel Clamp**

- Cross action, non-magnetic clamp.
- Polished finish.
- Overall length: 88mm, 3.5 inches.



Forceps

E3897 **STORZ® Micro Serrefine**

- 10mm jaws designed for 10-0 sutures.
- Dull finish.
- Also known as a bull dog.
- Overall length: 26mm, 1.0 inches.



E3900 **STORZ® Serrefine**

- 12mm serrated jaws.
- Polished finish.
- Also known as a bull dog.
- Overall length: 38mm, 1.5 inches.



TYING

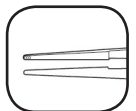
E1815 AB **Bechert-McPherson Tying Forceps Angled**

- Angled 45° shafts with 10mm tying platform.
- Serrated handle with dull finish.
- Overall length: 83mm, 3.3 inches.



E1856 **Catalano Micro Tying Forceps Straight**

- Straight shafts with 6mm tying platform and crisscross serrated tips.
- Round knurled handle with dull finish.
- Overall length: 114mm, 4.5 inches.



*Not Available in Canada.

E1885 Fine Tying Forceps

- Curved shafts and tips with tying surfaces.
- Wide serrated handle with dull finish.
- Overall length: 108mm, 4.3 inches.



Girard Fine Tying Forceps

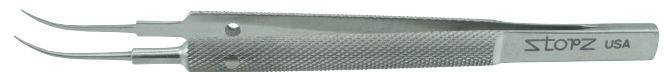
- Ultra-fine 5mm tying platform with round knurled handle for fingertip rotational control.
- Overall length: 100mm, 3.9 inches.



Catalog #	Shafts
E3192 FT	Curved
E3192 FTS	Straight

Girard Tying Forceps

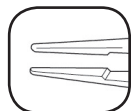
- 5mm tying platform.
- Round knurled handle with dull finish.
- Overall length: 99mm, 3.9 inches.



Catalog #	Shafts
E3192 T	Curved
E3192 TS	Straight

Harms-Tubingen Tying Forceps

- 6.5mm tying platform.
- Serrated handle with dull finish.
- Overall length: 101mm, 4.0 inches.



Catalog #	Shafts
E1888 C	Curved
E1888 S	Straight

*Not Available in Canada.

Forceps

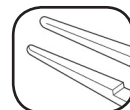
E1815 AKUS **Kelman-McPherson Tying Forceps Angled**

- Angled 45° shafts 8mm from tip to bend with 5mm tying platform.
- Serrated handle with dull finish.
- Overall length: 84mm, 3.3 inches.



ET1815 AK **Kelman-McPherson Tying Forceps Angled Titanium**

- Angled 45° shafts 8mm from tip to bend with 4mm tying platform.
- Serrated handle with dull finish.
- Titanium.
- Overall length: 84mm, 3.3 inches.



SUE04-12* **McPherson Tying Forceps**

12



STERILE

- This forceps has angled jaws and a 4.0mm tying platform.
- The instrument may be used for IOL cartridge loading.
- Overall length: 98mm, 3.8 inches.



McPherson Tying Forceps Angled

- 4mm tying platform.
- Serrated handle with dull finish.
- Overall length: 82mm, 3.2 inches.



Catalog #

Shafts

E1815 A

Angled

E1815 S

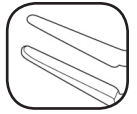
Straight

*Not Available in Canada.

McPherson Tying Forceps Titanium

- 4mm tying platform.
- Serrated handle with dull finish.
- Titanium.
- Overall length: 83mm, 3.3 inches.

Catalog #	Shafts
ET1815 A	Angled
ET1815 C	Curved
ET1815 S	Straight



ET1207 McPherson Tying Forceps Angled Titanium

- Angled shafts with 4mm tying platform.
- Titanium handle designed after the Stellaris® System handpiece.
- Overall length: 104mm, 4.1 inches.



Nordan Tying Forceps Curved

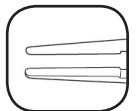
- 6mm tying platform.
- Round knurled handle with dull finish.
- Titanium.
- Overall length: 110mm, 4.3 inches.

Catalog #	Shafts
2-410	Straight
2-420	Curved



E1796 WO O'Gawa Castroviejo Tying Forceps

- Straight shafts with 5.5mm tying platform.
- Wide serrated handle with polished finish.
- Overall length: 108mm, 4.3 inches.



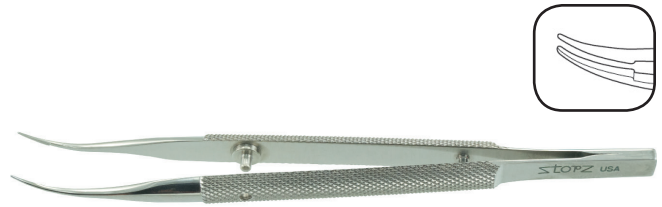
*Not Available in Canada.

Forceps

O'Gawa Tying Forceps Curved

- 5.5mm tying platform.
- 0.3mm gap at platform heel.
- True round knurled handle in closed position with polished finish.
- Overall length: 108mm, 4.3 inches.

Catalog #	Shafts
E1881	Curved
E1881 S	Straight



Osher Tying Forceps

- Curved shafts and tips with 6.5mm tying platform.
- Flat serrated handle with dull finish.
- Overall length: 102mm, 4.0 inches.

Catalog #	Tips
E1808	Standard
E1810	Ultra Fine



SUE05-12* Pierse Tying Forceps



- The tip of this forceps features 0.25mm notched straight jaws and a 4.0mm tying platform.
- Designed for use in tissue manipulation and suturing.
- Overall length: 100mm, 3.9 inches.



E1884 Puntenney Tying Forceps Curved

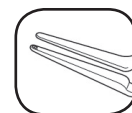
- Curved shafts with 11mm tying platform.
- Serrated handle with polished finish.
- Overall length: 110mm, 4.3 inches.



*Not Available in Canada.

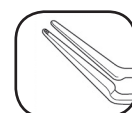
ET1807 **Sheets-Kelman-McPherson Tying Forceps Angled Titanium**

- Angled 45° shafts with 10mm tying platform and 1mm of tip crisscross serrated.
- Serrated handle with dull finish.
- Titanium.
- Overall length: 82mm, 3.2 inches.



E1807 **Sheets-McPherson Tying Forceps Angled**

- Angled 45° shafts with 10mm tying platform. 1mm of tip is crisscross serrated. Serrated handle with dull finish.
- Overall length: 82mm, 3.3 inches.

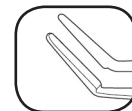


Tying

Shepard Tying Forceps

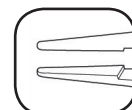
- 4mm tying platform.
- Wide serrated handle with dull finish.
- Overall length: 107mm, 4.2 inches.

Catalog #	Shafts
E1855 A	Angled 50°
E1855 C	Curved
E1855	Straight



E1897 **STORZ® Tying Forceps Straight**

- Straight shafts with 5.5mm tying platform.
- Wide handle with dull finish.
- Overall length: 109mm, 4.3 inches.



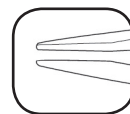
*Not Available in Canada.

Forceps

Tying

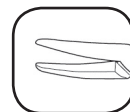
E1887 STORZ® Tying Forceps Straight Heavy

- Straight heavy shaft with 7mm tying surfaces.
- Wide serrated handle, polished finish.
- Overall length: 106mm, 4.2 inches.



E1882 Troutman Tying Forceps Curved

- Slightly curved 10mm jaws and serrated cross action handle with polished finish.
- Overall length 118mm, 4.6 inches.



SUE03-12* Tying Forceps



- This instrument features a 3.5mm tying platform and was designed for tying delicate sutures as well as for IOL cartridge loading.
- Overall length: 100mm, 3.9 inches.



Tying Forceps Titanium

- Castroviejo handle.
- Titanium.
- Overall length: 107mm, 4.2 inches.



Catalog #	Shafts	Tying Platform
ET1852	Angled	6.0mm
ET1850 C	Curved	5.5mm
ET1850	Straight	5.5mm

*Not Available in Canada.

Tying Forceps Titanium

- Straight shafts with 5.5mm tying platform.
- Flat serrated handle with dull titanium finish.
- Overall length: 86mm, 3.4 inches.

Catalog #	Handle
2-500	Standard
2-504	Long



E1791* Weinstock Intraocular Tying Forceps

- Smooth intraocular forceps designed for use in microincisional surgery.
- Smooth surface allows for gripping an IOL while minimizing damage to the lens.
- May also be used as a needle driver or needle forceps for intraocular suturing.
- Useful for cases involving iris reconstruction and IOL suture fixation.
- Uses the ET8190 H Fixed Coaxial Handle (sold separately).
- Overall length: 43mm, 1.7 inches.

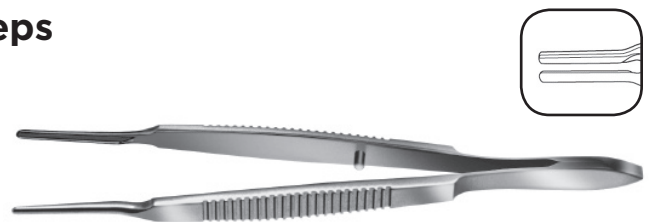


Tying • Utility

UTILITY

E1918 Alabama University Utility Forceps

- Straight shafts with fitted v-grooved 15mm platform.
- Serrated handle with polished finish.
- Overall length: 92mm, 3.6 inches.



Bonaccolto Utility Forceps

- Straight shafts with 16mm long platform.
- Lengthwise serrated jaws with cross serrated tips.
- Serrated handle with polished finish.
- Overall length: 108mm, 4.3 inches.

Catalog #	Platform Width
E1904	1.2mm
E1906	1.7mm



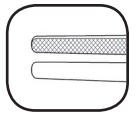
*Not Available in Canada.

Forceps

McCullough Utility Forceps

- Straight shafts with 15mm long jaws.
- Serrated handle with polished finish.
- Crisscross jaws.
- Overall length: 93mm, 3.7 inches.

Catalog #	Jaws
E1912	Crisscross
E1914	Smooth



Nugent Utility Forceps

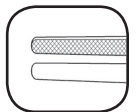
- Shafts angled 45° with 10mm jaws.
- Serrated handle with polished finish.
- Overall length: 107mm, 4.2 inches.

Catalog #	Jaws
E1892	Crisscross
E1890	Smooth



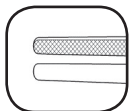
E1900 Wills Hospital Utility Forceps

- Straight shafts with 13mm crisscross serrated platform with polished finish.
- Serrated handle.
- Overall length: 109mm, 4.3 inches.

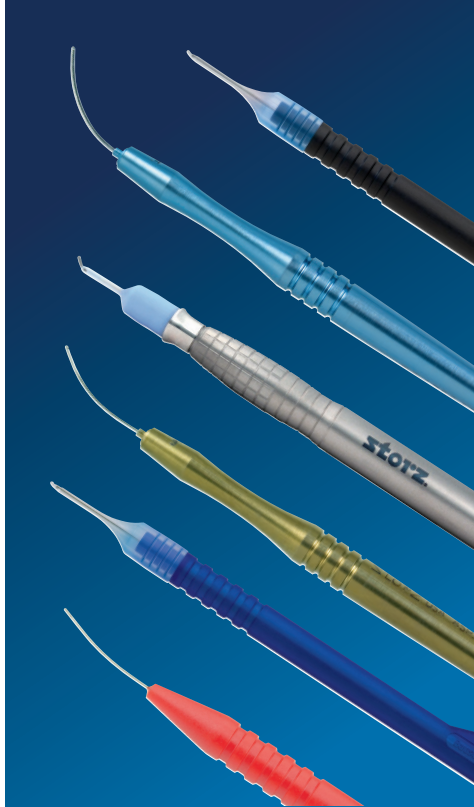


E1901 Wills Hospital Utility Forceps Wide

- Straight shafts with 13mm crisscross serrated platform with polished finish.
- Wide serrated handle.
- Overall length: 109mm, 4.3 inches.



*Not Available in Canada.



HANDPIECES

Reusable Cataract.....	130
Single-Use Cataract	136
Reusable Retina.....	140
Single-Use Retina.....	142



Handpieces

REUSABLE CATARACT

Aspirating Handpiece

- Used to remove residual cortex after phacoemulsification.
- Can be used through either side port incision, thus the surgeon is able to easily reach the cortex in every quadrant of the capsule.
- Fits on female connector of the Bausch & Lomb Millennium® and Premiere phacoemulsification machines.
- 23 gauge.
- Titanium.
- Overall length: 113mm, 4.4 inches.

Catalog #

Port Size

ET4753 A23

0.3mm

ET4750 A23

0.4mm



ET4750 AP23 Aspiration Handpiece Polishing Tip

- Used to remove residual cortex after phacoemulsification.
- Roughened surface for polishing.
- Can be used through either sideport incision, thus the surgeon is able to easily reach the cortex in every quadrant of the capsule.
- Fits on female aspiration connector of the Bausch & Lomb Millennium® and Premiere phacoemulsification machines.
- 23 gauge.
- Titanium.
- Overall length: 113mm, 4.4 inches.



MVS1083 Bimanual Handpiece Aspirating

- Designed for use with small incision Phaco.
- Fits on the Bausch & Lomb Millennium® female aspiration connector.
- 2mm roughened tip.
- 0.3mm port.
- 19 gauge.
- Titanium.
- Overall length: 110mm, 4.3 inches.



*Not Available in Canada.

MVS1082 Bimanual Handpiece Irrigating

- Designed for use with small incision Phaco.
- Fits on the Bausch & Lomb Millennium® male irrigation connector.
- 0.6mm port.
- 19 gauge.
- Titanium.
- Overall length: 110mm, 4.3 inches.



ET4750 I21 Irrigating Handpiece

- Used to remove residual cortex after phacoemulsification.
- Autoclavable and maintains the anterior chamber.
- It has dual 0.4mm irrigating ports.
- Fits on male irrigation connector of the Bausch & Lomb Millennium® and Premiere phacoemulsification machines.
- 21 gauge.
- Titanium.
- Overall length: 113mm, 4.4 inches.



Reusable Cataract

Irrigating/Aspirating Handpiece Adapter Tubing

- Double lumen tubing.
- Female connector on irrigation line, male connector on aspiration line.



Catalog #	Tubing Length	Overall Length
MVS 1061L	76mm, 3.0 inches	89mm, 3.5 inches
MVS 1064	152mm, 6.0 inches	162mm, 6.4 inches

DP9742 Adapter for Titanium Handpiece

- Adapts the DP9739, DP9740 and DP9741 to the DP9721 Irrigation-Aspiration Handle and the BL3160 Stellaris® System I/A handle.
- Overall length: 31mm, 1.2 inches.



DP9726 Aspirating Adapter

- Male luer aspirating adapter for use with aspirating cannulas.
- Titanium.
- Overall length: 33mm, 1.3 inches.



*Not Available in Canada.

Handpieces

DP9728 O Rings

- Replacement o rings for irrigating/aspirating tips
- 5/box



D8109 Silicone Sleeve

- For use with Irrigating/Aspirating tips..



DP9721 Irrigating/Aspirating Handle

- Irrigation-aspiration handle with luer connectors and knurled grip.
- Titanium.
- Disassembles for thorough cleaning.
- Overall length (excluding luer taper): 96mm, 3.8 inches.



BL3160 Irrigating/Aspirating Handle Stellaris® System

- Designed for use with the BL31xx series of I/A tips.
- Proprietary locking irrigating connector for use with the Stellaris® System tubing kits.
- Overall length: 109mm, 4.3 inches.



DP9744 Irrigating/Aspirating Polisher

- 45° I/A capsule polisher used with the BL3160 Stellaris® System Handle and the DP9721 Irrigation-Aspiration Handle.
- 20 gauge.
- 0.3mm port.
- Overall length: 45mm, 1.8 inches.



DP9745 Irrigating/Aspirating Polisher for Sleeve

- 45° I/A capsule polisher used with the BL3160 Stellaris® System Handle and the DP9721 Irrigation-Aspiration Handle.
- For use with silicone sleeve.
- 20 gauge.
- 0.3mm port.
- Overall length: 47mm, 1.8 inches.








*Not Available in Canada.

Irrigating/Aspirating Tip 16 Gauge

- Straight 16 gauge shaft and 0.3mm aspiration port.
- Used to remove peripheral cortical material.
- Titanium.
- Overall length: 43mm, 1.7 inches.






Reusable Cataract

Catalog #	Tip	
DP9722	Straight	
DP9723	Curved	
DP9724	45°	
DP9730	90°	
DP9725	U Tip	

Irrigating/Aspirating Tip 17.5 Gauge

- I/A tip used with the BL3160 Stellaris® System Handle.
- 17.5 gauge metal tip.
- Overall length: 53mm, 2.1 inches.






Catalog #	Tip	Port Size	
BL3167*	Straight	0.3mm	
BL3164	Straight	0.4mm	
BL3165	Curved	0.4mm	
BL3168*	45°	0.3mm	
BL3166	45°	0.4mm	

*Not Available in Canada.

Handpieces

Irrigating/Aspirating Tip 20 Gauge for Sleeve




- I/A tip used with the BL3160 Stellaris® System Handle.
- For use with silicone irrigation sleeve
- 20 gauge.
- Overall length: 49mm, 1.9 inches.

Catalog #	Tip	Port Size	
BL3162	Straight	0.4mm	
BL3161	Curved	0.4mm	
BL3163	45°	0.4mm	



Irrigating/Aspirating Tip 21 Gauge for Sleeve

- I/A tip used with the BL3160 Stellaris® System Handle.
- For use with silicone irrigation sleeve.
- 21 gauge.
- Titanium.
- Overall Length: 45mm, 1.7 inches.

Catalog #	Tip	Port Size	
DP9731	Straight	0.3mm	
DP9734	Curved	0.3mm	
DP9733	45°	0.3mm	





*Not Available in Canada.

Irrigating/Aspirating Tip Soft

- The soft silicone port provides protection from capsule breaks and enables use under IOLs to comfortably remove viscoelastic while close to the posterior capsule.
- The sturdy titanium substructure supports the port without the risk of collapse or increased flexibility during I/A.
- Use of customary cleaning, handling and sterilization protocols allow the tip to be reused up to 10 times.
- Adapts to the DP9721 Irrigation-Aspiration Handle and the BL3160 Stellaris® System I/A handle with the DP9742 adapter.
- 0.3mm port.
- 6/box.
- Overall length: 23mm, 0.9 inches.






Catalog #	Tip	
DP9741	45°	
DP9740	Curved	
DP9739	Straight	

Irrigating/Aspirating Handpiece 17 Gauge

- 0.3mm aspiration port, 20mm shaft.
- Handle length: 110mm.
- Uses 75mm of double lumen tubing (MVS 1061L).
- Female connector on irrigation line, male connector on aspiration line.
- Dull finish.
- Outer sleeve: 17 gauge.
- Inner cannula: 23 gauge.
- Overall length: 130mm, 5.1 inches.



Catalog #	Tip	
MVS 1063	Straight	
MVS 1063C	60°	
MVS 1063S	Curved	

*Not Available in Canada.

Handpieces

SINGLE-USE CATARACT

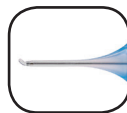
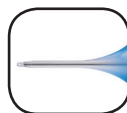
CapsuleGuard® I/A Handpiece



- This instrument features a flexible tip design for effective cortical removal.
- The smooth irrigation and aspiration ports eliminate sharp edges for reduced risk of capsule rupture.
- The silicone tip design facilitates cortex removal, capsule polishing, viscoelastic removal and IOL manipulation in the capsular bag and the semi-transparent silicone sleeve provides visualization.
- A fully assembled single-use design is provided for consistency and convenience.
- Overall length: 138mm, 5.4 inches.

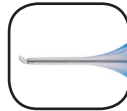
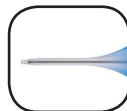
Stellaris® Systems

Catalog #	Tip	Size
85914ST*	Straight	MICS™
85912ST*	Straight	Standard Incision 2.2-2.8mm
85913ST*	Curved	Standard Incision 2.2-2.8mm
85915ST*	45°	MICS™
85910ST	45°	Standard Incision 2.2-2.8mm



Other Systems

Catalog #	Tip	Size
85914S*	Straight	MICS™
85912S*	Straight	Standard Incision 2.2-2.8mm
85913S*	Curved	Standard Incision 2.2-2.8mm
85915S*	45°	MICS™
85910S	45°	Standard Incision 2.2-2.8mm



*Not Available in Canada.

Aspiration Handpieces



- For use in standard biaxial I/A.
- 0.3mm aspiration port.
- Designed to fit most systems.
- Roughened tip.
- Curved shaft.
- Overall length: 114mm, 4.5 inches.

Catalog #	Gauge	OD
85901S19	19g (MICS™)	
85780S	21g	0.8mm
85790S*	22g	0.7mm
85792S*	23g	0.6mm



Irrigation Handpieces Stellaris® System



- For use in biaxial I/A.
- Curved shaft, smooth tip.
- 2 lateral irrigation ports of 0.6mm.
- Designed to fit the Stellaris® Surelock® Tubing System.
- Not compatible with Bausch & Lomb Millennium® or any other competitive tubing systems.
- Overall length: 114mm, 4.5 inches.

Catalog #	Gauge	OD
85902ST19	19g (MICS™)	
85787ST	21g	0.8mm
85806ST*	22g	0.7mm
85807ST	23g	0.6mm



Single-Use Cataract

*Not Available in Canada.

Handpieces

Irrigation Handpieces Other Systems



- For use in biaxial I/A.
- Curved shaft, smooth tip.
- 2 lateral irrigation ports of 0.6mm.
- Designed to fit most systems.
- Overall length: 114mm, 4.5 inches.

Catalog #	Gauge	OD
85902S19*	19g (MICS™)	
85787S*	21g	0.8mm
85806S*	22g	0.7mm
85807S*	23g	0.6mm



I/A Handpiece Other Systems



- Standard coaxial.
- 0.3 mm aspiration port.
- Designed to fit most systems.

Catalog #	Tip	Gauge	Overall Length
85784S*	45° Straight	17	141mm, 5.6 inches
85786S*	90° Straight	16	140mm, 5.5 inches
85783S*	Curved	17	140mm, 5.5 inches



Stellaris® I/A Handpieces



- For use in standard coaxial I/A.
- 0.3mm aspiration port.
- Designed to fit the Stellaris® Surelock® Tubing System.
- Not compatible with Bausch & Lomb Millennium® or any other competitive tubing systems.



Catalog #	Tip	Outer Diameter	Gauge	Overall Length
85784ST	45° Straight	1.5mm	17	141mm, 5.6 inches
85786ST	90° Straight	1.65mm	16	140mm, 5.5 inches
85783ST	Curved	1.5mm	17	140mm, 5.5 inches



Single-Use Cataract

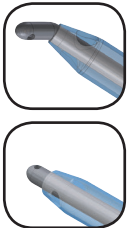
Stellaris® MICS™ I/A Handpieces



- For use in 1.8mm coaxial microincision surgery.
- 0.3mm aspiration port.
- Designed to fit the Stellaris® Surelock® Tubing System.
- Not compatible with Bausch & Lomb Millennium® or any other competitive tubing systems.
- Overall length: 132mm, 5.2 inches.



Catalog #	Tip
85795ST	45°
85794ST	Curved



*Not Available in Canada.

Handpieces

85903ST19 Nagahara Chopper



- For use in 1.8mm biaxial microincision cataract surgery.
- 19 gauge endout chopper.
- Designed to fit the Stellaris® Surelock tubing system.
- Not compatible with Millennium or any other competitive tubing systems.
- Overall length: 112mm, 4.4 inches.



ZeroPhaco™ I/A Handpiece



- Designed with an open port aspiration tube for aspirating softened nuclei during Femtosecond cataract surgery.
- Recommended Settings: Vacuum: Min: 300mmHg, Max: 400mmHg (for 2.2mm version SUP04/SUP04ST); Min: 300mmHg, Max: 600mmHg - Linear control, 300-600mmHg (for standard version SUP03). Bottle Height: 140cm.
- Preferable pressurized infusion: 50cm of bottle height and air pressure of 70mmHg.



Catalog #	Incision	System	OD	ID
SUP04ST*	2.2mm	Stellaris®	0.80mm	0.60mm
SUP04*	2.2mm	Other Systems	0.80mm	0.60mm
SUP03*	Standard	Other Systems	0.90mm	0.60mm

REUSABLE RETINA

E4812* Awh Backflush Handpiece Active/Passive

- This universal handpiece is ideal for delicate aspirating procedures and can be used with a variety of luerlok cannulas.
- The aspirating line can be obstructed to stop the aspiration and with a gentle press can be used to backflush fluid.
- By attaching the long tubing to the rear of the instrument, fluid extracted from the eye can be routed to a collection bag.
- Supplied with E4812 T tubing.
- Overall length: 124mm, 4.8 inches.



*Not Available in Canada.

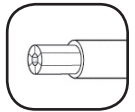
E4812 T* **Awh Backflush Handpiece Active Tubing**

- Designed for use with the E4812 Awh Backflush Handpiece for active aspiration of fluid from the eye.
- Includes one short tube and one long tube.
- Short Tube Overall length: 51mm, 2.0 inches.
- Long Tube Overall length: 457mm, 18.0 inches.



E4804 **Backflush Handpiece Brush Cannula**

- Soft silicone brush tip mounted on 20 gauge straight cannula shaft designed for use with E4800 Backflush Handpiece.
- Allows gentle massaging of the retina while aspirating blood and fluids.
- Polished finish.
- Overall length excluding hub: 35mm, 1.4 inches.



Reusable Retina

E4800 **Backflush Handpiece Passive**

- Designed for use with the E4800 series backflush tips for passive aspiration of fluid from the eye.
- Soft silicone insert provides rapid reflux.
- Overall length: 102mm, 4.0 inches.



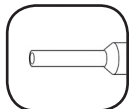
E4800 T **Backflush Handpiece Passive Tubing**

- Designed for use with the E4800 series backflush tips and the E4812 Awh Backflush Handpiece for passive aspiration of fluid from the eye.
- Soft silicone insert provides rapid reflux.
- Overall length: 36mm, 1.4 inches.



MVS 1052 **Extrusion Handpiece 20 Gauge Tapered**

- 50mm white Delrin handle.
- Polished finish.
- Shaft gauge and length: 20 gauge, 35mm.
- Tip: 2mm tapered 27 gauge blunt.
- Overall length: 85mm, 3.3 inches.



*Not Available in Canada.

Handpieces

SINGLE-USE RETINA

Active/Passive Aspiration Handpiece



- Silicone tube with male and female puer connector either for connection to the machine or for connection to the handpiece without use of the machine to facilitate flow of fluid outside of immediate surgical field.
- Male luer slip coupler for connection to machine tubing.
- Non-vented male luer cap.
- Optional for use as a backflush handpiece.



Catalog #	Tip	Gauge	Ring Color	
SUJ08*	Blunt	20	Grey	
SUJ11*	Blunt	23	Green	
SUJ14*	Soft	25	Blue	
SUJ10*	Soft	20	Grey	
SUJ13*	Soft	23	Green	
SUJ09*	Soft Brush	20	Grey	
SUJ12*	Soft Brush	23	Green	

Passive Aspiration Handpiece with Soft Tip Cannula



- This passive aspiration handpiece is ready for use with an attached soft tip cannula designed for the passive aspiration of fluid from the eye during vitreoretinal procedures.
- The soft flexible tip on the cannula provides atraumatic entry through retinal or macular tears or holes.

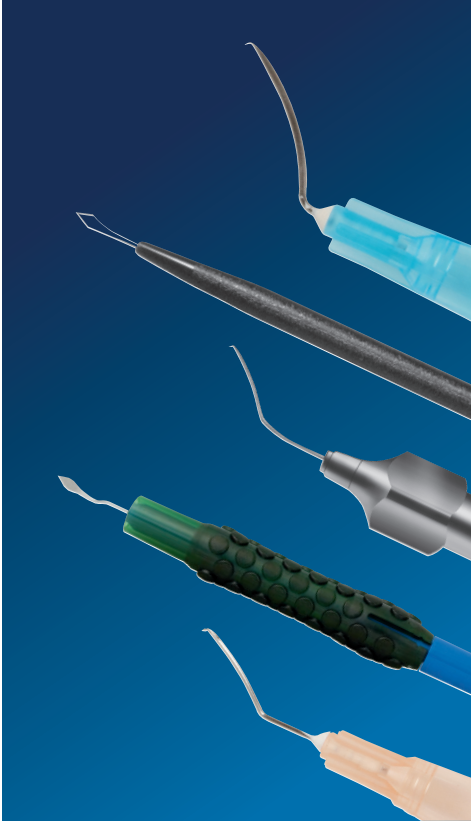


Catalog #	Gauge	Cannula Color	Overall Length
SUJ03*	23g	Blue	154mm, 6.1 inches
SUJ02*	25g	Orange	151mm, 6.0 inches

*Not Available in Canada.

KNIVES

Blade Holders	144
Cystotomes	144
Cystotomes Single-Use.....	145
Knives Reusable.....	147
Knives Single-Use	148



BLADE HOLDERS

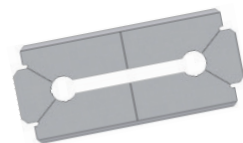
E0071 F Breakable Blades Feather Carbon

- Feather carbon steel blades.
- Designed to break cleanly.
- 10 blades per package.



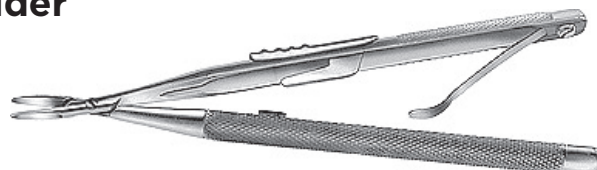
E0071 Breakable Blades Stainless Steel

- Stainless steel blades.
- Designed to break cleanly.
- 10 blades per package.



E0058 Castroviejo Blade Breaker and Holder

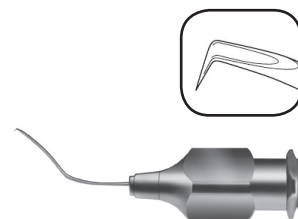
- Features straight, electro-dusted jaws, round knurled handle with slide lock, and polished finish.
- Supplied with one package of ten stainless steel blades (E0071).
- Jaws: 13mm wafer-thin.
- Overall length: 140mm, 5.5 inches.



CYSTOTOMES

E0144 27 Drets Cystotome

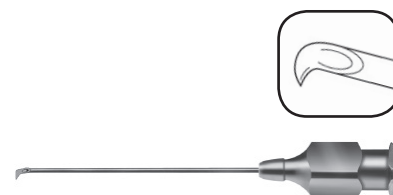
- 27 gauge cannula shaft with sharp tip.
- 10mm from tip to first 50° bend, 5mm to second 10° bend, 4mm from tip to hub.
- Polished finish.
- Overall length excluding hub: 14mm, 0.6 inches.



*Not Available in Canada.

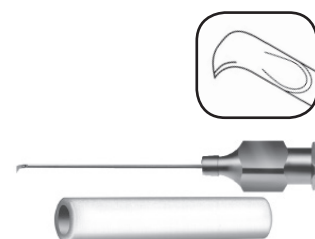
E0141 2S **Kelman Cystotome Knife**

- 22 gauge cannula shaft.
- Sharp edge.
- Polished finish.
- Overall length excluding hub: 32mm, 1.3 inches.



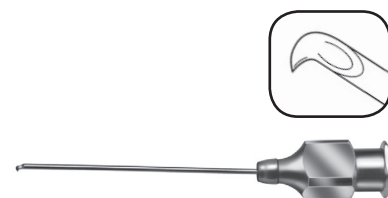
E0148 **Lieppman Cystotome with Cystotome Guard**

- 22 gauge cannula shaft with small cutting tip.
- Supplied with tip guard (E4399).
- Polished finish.
- Overall length excluding hub: 23mm, 0.9 inches.



E0141 L **Nevyas Double Sharp Cystotome**

- 22 gauge cannula shaft with sharp front and back edges.
- Polished finish.
- Overall length excluding hub: 32mm, 1.3 inches.

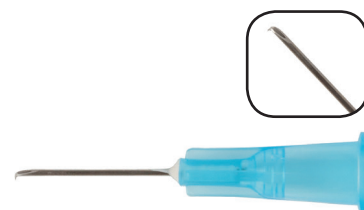


CYSTOTOMES SINGLE-USE

ED7111 **Cystotome Irrigating Capsulorhexis**



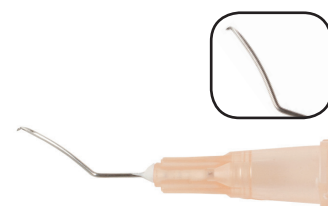
- Straight tip.
- 23 gauge.
- Overall length excluding hub: 16mm, 0.6 inches.



Cystotome Irrigating Capsulorhexis



- Formed angled tip.
- Overall length excluding hub: 16mm, 0.6 inches.



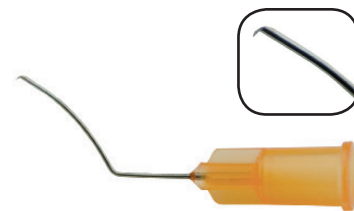
Catalog #	Gauge	Hub Color
ED7110	25	Orange
ED7117	27	Grey

*Not Available in Canada.

ED7118 Cystotome Irrigating Blunt



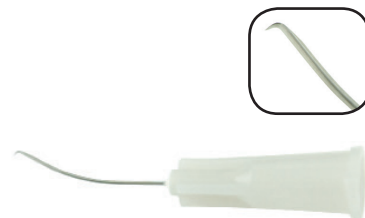
- Formed blunt tip.
- Overall length excluding hub: 22mm, 0.9 inches.



ED7125 C Cystotome Irrigating Curved Twisted Tip



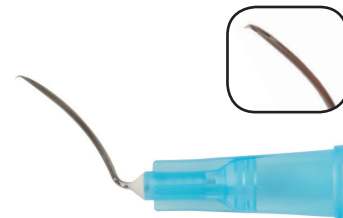
- Twisted tip places cutting edge in line with cannula shaft for vertical cuts during capsulotomies.
- Overall length excluding hub: 16mm, 0.6 inches.



Cystotome Irrigating Formed



- Formed tip irrigating cystotome



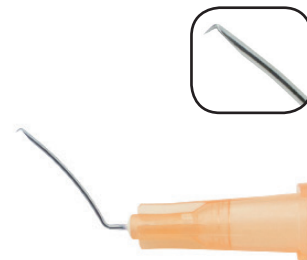
Catalog #	Gauge	Hub Color	Overall Length (excluding hub)
ED7112	23	Blue	16mm, 0.6 inches
ED7113	25 with 12mm curved tip	Orange	16mm, 0.6 inches
ED7120	25	Orange	22mm, 0.9 inches
ED7116	27	Grey	16mm, 0.6 inches
ED7119	27	Grey	19mm, 0.8 inches

Cystotome Irrigating Formed Reverse



- Formed reverse tip.
- Overall length excluding hub: 16mm, 0.6 inches.

Catalog #	Gauge	Hub Color
ED7121	25	Orange
ED7124	27	Grey



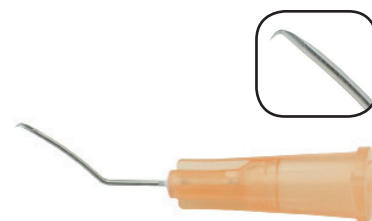
*Not Available in Canada.

Cystotome Irrigating Formed Short Radius



- Short 8.0mm.
- Curved tip.
- Overall length excluding hub: 16mm, 0.6 inches.

Catalog #	Gauge	Hub Color
ED7114	25	Orange
ED7115	27	Grey



Cystotome Irrigating Straight



- Straight tip.
- Overall length excluding hub: 16mm, 0.6 inches.

Catalog #	Gauge	Hub Color
ED7122	23	Blue
ED7123	25	Orange
ED7109	27	Grey



KNIVES REUSABLE

E0334 Bard-Parker Handle

- No. 9 knife handle used with Bard-Parker blades.
- Dull finish.
- Overall length: 116mm, 4.6 inches.



Knives

Gill Corneal Knife Curved

- 3mm x 18mm smooth blade.
- Flat serrated handle with polished finish.
- Overall length: 122mm, 4.8 inches.

Catalog #
E0396

Blades
Curved



E0398

Straight



E7250 **STORZ® Cataract Knife Guard**

- Designed to hold and protect cataract knives from 115mm to 155mm.
- Stainless steel construction with dull finish.
- Overall length: 148mm, 5.8 inches.



E0390 **Tooke Corneal Knife**

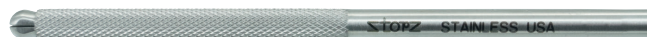
- 3mm x 18mm smooth blade.
- Flat serrated handle with polished finish.
- Overall length: 116mm, 4.5 inches.



KNIVES SINGLE-USE

E7590 **LASEREDGE® Blade Tip Handle**

- Handle designed to hold all LASEREDGE® blade tips with threads.
- Reusable.

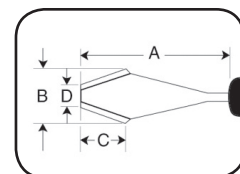


*Not Available in Canada.

Implant Knives



- Unique, blunt dolphin nosed tip designed to follow the slit blade incision easily while the cutting edges create a precise opening for lens insertion.
- Non-reflective surface improves visibility by reducing microscope glare.
- Full handle.

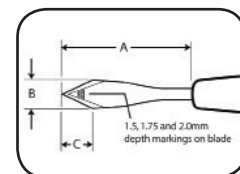


Catalog #	Blade	Dimensions (mm)			
		A	B	C	D
E7561A	5.2mm Angled Wide	16.50	5.20	4.10	1.70
E7562	Angled	14.70	3.20	3.80	1.70
E7563	Angled	14.40	3.20	3.80	1.60

LASEREDGE® Clear Corneal Knives



- Angled double bevel.



Catalog #	Blade	Dimensions (mm)		
		A	B	C
E7594	1.3mm	12.60	1.30	1.45
E7595	1.6mm	12.60	1.60	1.70
E7527	2.75mm	14.40	2.75	3.10
E7528	2.85mm	14.40	2.85	3.10
E7587A	2.9mm	14.40	2.90	3.20
E7529	3.0mm	14.40	3.00	3.20
E7532	3.2mm	14.40	3.20	3.60

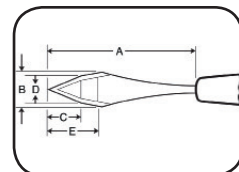
*Not Available in Canada.

Knives

E7528G Guarded Clear Corneal Knife 2.85mm Double Bevel



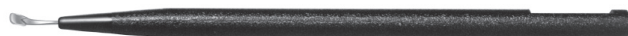
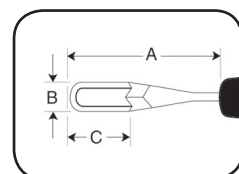
- 2.85mm, double bevel
- A=18.50mm, B=2.85mm, C=3.10mm.



LASEREDGE® Crescent Knives



- Consistent sharpness.
- Non-reflective surface improves visibility by reducing microscope glare.



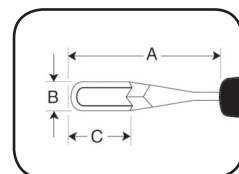
Dimensions (mm)

Catalog #	Blade	A	B	C
E7510D*	Angled, bevel down	12.70	2.10	3.70
E7510	Angled, bevel up	12.70	2.10	3.70
E7510AT	Angled, bevel up tip only	12.70	2.10	3.70
E7500	Straight	12.70	2.10	3.70

E7510G Guarded Crescent Knife Angled Bevel Up



- Angled bevel up
- A=16.80mm, B=2.10mm, C=3.70mm.

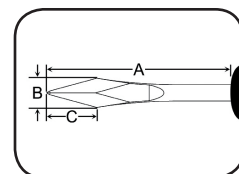


*Not Available in Canada.

LASEREDGE® MVR Knives



- Consistent sharpness.
- Non-reflective surface improves visibility by reducing microscope glare.

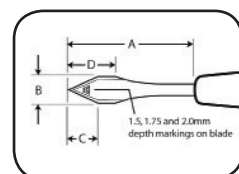


Catalog #	Blade	Handle	Dimensions (mm)		
			A	B	C
E7519	19 gauge	black	31.80	1.50	3.10
E7520	20 gauge	black	31.80	1.20	2.40
E7523	23 gauge	green	31.80	0.64	1.67
E7525	25 gauge	black	31.80	0.50	1.00

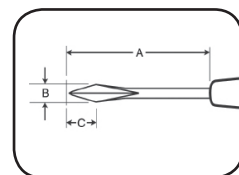
E7575 LASEREDGE® Parallel Side Knife



- 2.75mm angled double bevel.
- A=14.40mm, B=2.75mm, C=3.10mm, D=4.80mm.



LASEREDGE® Sideport Knives



Catalog #	Blade	A	Dimensions (mm)	
			B	C
E7593	0.8mm angled	17.60	0.80	1.65
E7592	1.1mm angled	17.60	1.09	2.03

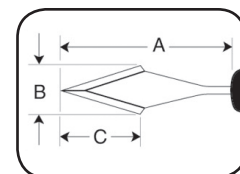
*Not Available in Canada.

Knives

LASEREDGE® Slit Knife



- Consistent sharpness.
- Non-reflective surface improves visibility by reducing microscope glare.
- Full handle.



Catalog

Blade

Dimensions (mm)

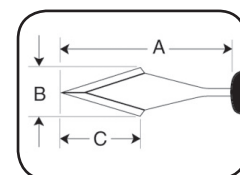
A B C

E7544A*	1.8mm angled bevel up	14.40	1.80	2.70
E7544ADB*	1.8mm angled double bevel	14.40	1.80	2.20
E7548ADB	2.2mm angled double bevel	14.40	2.20	2.75
E7549ADB	2.4mm angled double bevel	14.40	2.40	2.90
E7550A	2.5mm angled bevel up	14.40	2.50	3.80
E7550ADB	2.6mm angled double bevel	14.40	2.60	3.30
E7551A	2.65mm angled bevel up	14.60	2.65	3.90
E7551ADB	2.65mm angled double bevel	14.40	2.65	3.30
E7551AT	2.65mm angled bevel up tip only	14.60	2.65	3.90
E7559A	2.75mm angled bevel up	14.40	2.75	3.20
E7552ADB	2.8mm angled double bevel	14.40	2.80	3.40
E7553A	2.85mm angled bevel up	14.40	2.85	3.20
E7556A	3.0mm angled bevel up	14.40	3.00	3.90
E7556ADB	3.0mm angled double bevel	14.40	3.00	3.70
E7557A	3.2mm angled bevel up	14.40	3.20	3.90

Guarded Slit Knives



- Guarded handle.



Catalog

Blade

Dimensions (mm)

A B C

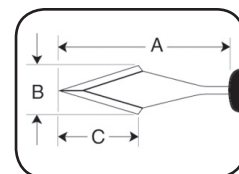
E7550AG	2.5mm angled bevel up	18.50	2.50	3.80
E7551AG	2.65mm angled bevel up	18.50	2.65	3.90

*Not Available in Canada.

Thin Blade Slit Knife



- Designed to reduce penetration force for diamond-like incisions.
- Full handle.

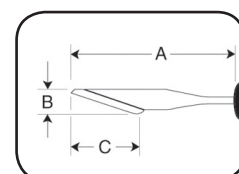


Catalog #	Blade	Dimensions (mm)		
		A	B	C
E7797	1.5mm angled bevel up	13.30	1.50	1.80
E7746A	2.0mm angled bevel up	13.30	2.00	2.50
E7747A	2.25mm angled bevel up	14.40	2.25	2.80
E7749A	2.4mm angled bevel up	14.35	2.40	2.90
E7750A	2.5mm angled bevel up	14.40	2.50	3.00
E7754A	2.6mm angled bevel up	14.60	2.60	3.10
E7751A	2.65mm angled bevel up	14.40	2.65	3.30
E7759A	2.75mm angled bevel up	14.40	2.75	3.40
E7753A	2.85mm angled bevel up	14.40	2.85	3.50
E7756A	3.0mm angled bevel up	14.40	3.00	3.60
E7757A	3.2mm angled bevel up	14.40	3.20	3.90

LASEREDGE® Stab Knives



- Consistent sharpness.
- Non-reflective surface improves visibility by reducing microscope glare.
- Full handle.



Catalog #	Blade	Dimensions (mm)		
		A	B	C
E7515	15°	11.20	1.60	5.90
E7515T	15° tip only	11.20	1.60	5.90
E7522	30°	10.40	1.70	2.90
E7530T	30° tip only	10.40	1.70	2.90
E7530	22.5°	10.70	1.70	4.00
E7545	45°	8.90	1.90	1.90

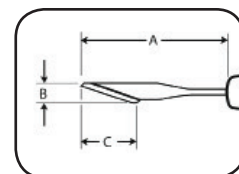
*Not Available in Canada.

Knives

E7515G Guarded Stab Knife 15°



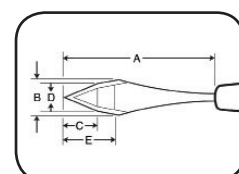
- Blade: 15° stab.
- Guarded handle.
- A=14.00mm, B=1.60mm, C=5.90mm.



LASEREDGE® Trapezoidal Knives



- This blade is designed to produce an internal incision width of D measurement and an external incision width of B measurement.



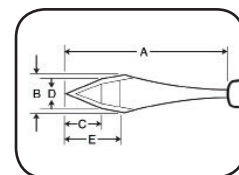
Dimensions (mm)

Catalog #	Blade	A	B	C	D	E
E7599	1.5-1.7mm angled	14.40	N/A	2.00	1.50	N/A
E7596	1.5-2.0mm angled	14.40	2.00	1.80	1.50	3.43
E7600	1.6-1.8mm angled	14.40	1.80	1.80	1.60	2.95
E7602*	1.8-2.2-2.8mm angled	16.80	2.20	1.55	1.80	3.45
E7603	1.85-2.2mm angled	14.40	2.20	1.85	2.00	3.70
E7601	2.0-2.2mm angled	14.40	2.20	2.30	2.00	3.10
E7572	2.75-3.2mm angled, bevel up	16.80	3.20	3.20	2.75	4.60
E7582	2.85-3.2mm angled	16.80	3.20	3.40	2.85	4.30

E7601G Guarded Trapezoidal Knife 2.0-2.2mm Angled



- This blade is designed to produce an internal incision width of D measurement and an external incision width of B measurement.
- A=18.50mm, B=2.20mm, C=2.30mm, D=2.00mm, E=3.10mm.

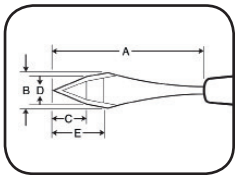


*Not Available in Canada.

Thin Blade Trapezoidal Knives



- Designed to reduce penetration force for diamond-like incisions.
- This blade is designed to produce an internal incision width of D measurement and an external incision width of B measurement.



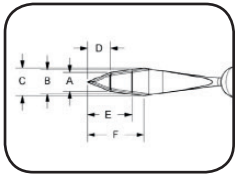
Dimensions (mm)

Catalog #	Blade	A	B	C	D	E
E7796	1.5-2.0mm angled	14.40	2.00	1.80	1.50	3.40
E7700	1.6-1.8mm angled	14.40	1.80	1.80	1.60	2.95
E7701	2.0-2.2mm angled	14.40	2.20	2.30	2.00	3.10

E7771 Thin Blade Trapezoidal Knives 1.7-2.2-2.5mm angled



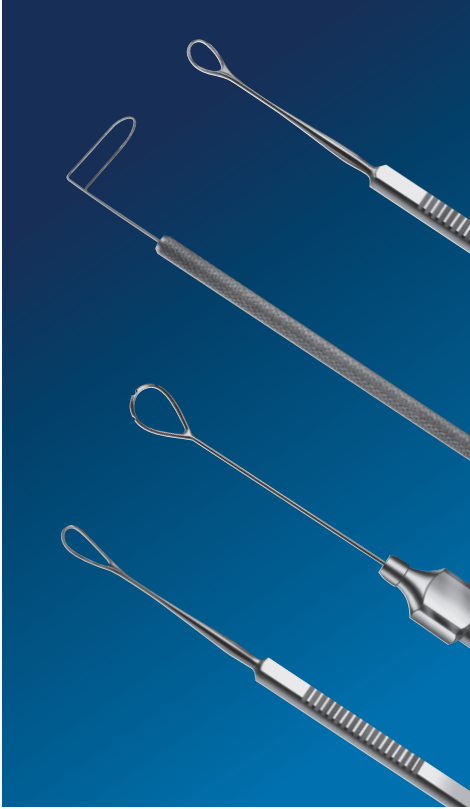
- Designed to reduce penetration force for diamond-like incisions.
- A=1.70mm, B=2.20mm, C=2.50mm, D=2.00mm, E=4.00mm, F=5.00mm.



Knives Single-Use

*Not Available in Canada.

LENS VECTUS



E0649 Gills-Welsh Lens Loop with Olive Tip

- 5mm wide x 7mm long ultra thin loop.
- Olive tip on opposite end.
- Flat serrated handle with polished finish.
- Overall length: 121mm, 4.8 inches.



E1238 Kirby Expressor Double Ended Hook and Loop

- 5mm wide x 10mm long loop.
- 10mm wide muscle expressor hook.
- Round knurled handle with polished finish.
- Overall length excluding hub: 155mm, 6.1 inches.



E1216 Kirby Intra-Capsular Lens Loop

- 5mm wide x 10mm long loop.
- Round knurled handle with polished finish.
- Overall length: 138mm, 5.4 inches.



E0631 Knolle-Pearce Irrigating Lens Loop

- 23 gauge thin wall shaft with 6mm wide by 9mm long loop.
- Three irrigating ports at 12, 10, and 2 o'clock.
- Polished finish.
- Overall length excluding hub: 38mm, 1.5 inches.



E0648 Lewis Lens Loop

- 6mm wide x 7mm long loop.
- Flat serrated handle with polished finish.
- Overall length: 135mm, 5.3 inches.



E0664 New Orleans Eye and Ear Lens Loop

- 5mm wide x 10mm long oval loop.
- Flat serrated handle with polished finish.
- Overall length: 142mm, 5.6 inches.



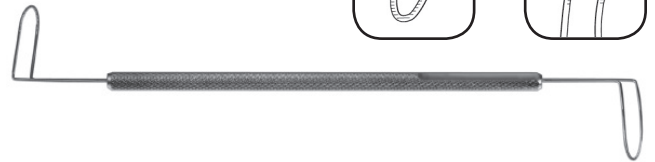
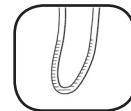
E0615 Sheets Irrigating Vectus

- 21 gauge thin wall shaft with 6mm wide by 9mm long loop.
- Three irrigating ports at 12, 9, and 3 o'clock.
- Serrations on top of vectus.
- Polished finish.
- Overall length excluding hub: 34mm, 1.3 inches.



E0650 Simcoe Double Ended Nucleus Loop

- 4mm wide x 20mm long left and right loops with serrations on top of loop.
- Round knurled handle with polished finish.
- Overall length: 140mm, 5.5 inches.



E0644 Wilder Lens Loop

- 4mm wide x 15mm long loop with serrations on top of loop.
- Flat serrated handle with polished finish.
- Overall length: 135mm, 5.3 inches.



MISCELLANEOUS



Miscellaneous

E7918 C 18 Gauge Bipolar Pencil Curved 2 Pin



- 18 gauge curved.
- Fine tip.
- Lightweight design offers precise hemostasis.
- Pencil design minimizes tissue trauma and induced astigmatism.
- Knurled handle provides a sure grip and better manipulation.
- Overall length: 120mm, 4.7 inches.



E7918 18 Gauge Bipolar Pencil Straight 2 Pin



- 18 gauge straight.
- Fine tip.
- Lightweight design offers precise hemostasis.
- Pencil design minimizes tissue trauma and induced astigmatism.
- Knurled handle provides a sure grip and better manipulation. Overall length: 121mm, 4.8 inches.



E7923 20/23 Gauge Bipolar Pencil Tapered 2 Pin



- 20 gauge straight shaft tapers to 23 gauge.
- Fine tip.
- Lightweight design offers precise hemostasis.
- Pencil design minimizes tissue trauma and induced astigmatism.
- Knurled handle provides a sure grip and better manipulation.
- Overall length: 135mm, 5.3 inches.



E7931 23 Gauge Bipolar Pencil Tapered 2 Pin



- Designed for retinal endodiathermy.
- 23 gauge shaft.
- Tapered tip.
- 2-pin connector.
- Overall length: 150mm, 5.9 inches.



*Not Available in Canada

25 Gauge Bipolar Pencil 2 Pin



- Designed for retinal endodiathermy.
- 25 gauge shaft.
- 2 pin connector.
- Overall length: 150mm, 5.9 inches.

Catalog #

Tip

E7925

Blunt



E7924

Tapered



E7930 23 Gauge Bipolar Pencil Tapered Lemo



- Designed for retinal endodiathermy.
- 23 gauge shaft.
- Tapered tip.
- Lemo connector.
- Overall length: 134mm, 5.3 inches.



E7920 25 Gauge Bipolar Diathermy Tapered Tip Lemo

- 25 gauge tapered tip.
- Fine tip.
- Lightweight design offers precise hemostasis.
- Pencil design minimizes tissue trauma and induced astigmatism.
- Reusable.



*Not Available in Canada

E2428 Awh Sutureless Sclerotomy Guide

- Allows the surgeon to perform conjunctival displacement, conjunctival marking, scleral flattening and cannula stabilization with a single instrument.
- The instrument features a textured bottom for atraumatic conjunctival displacement.
- 3.0 and 4.0 mm marks on the top of the guide facilitate measuring entry location and a notch is provided for engaging and stabilizing the cannula hub during plug; placement and removal.
- This instrument can also be used to flatten the sclera during sclerotomy wound construction, creating a longer and more watertight wound.
- Overall length: 114mm, 4.5 inches.



E8989* Berdahl Gonio Prism Stabilizer

- Removable gonio prism accessory designed to provide for surgeon control over the eye while performing angle surgery.
- The conjunctiva-friendly toothed surface on the lower aspect of the ring allows the surgeon to fixate and position the eye for visualization, minimizing the need for patient cooperation.
- Removable ring adapts to the Ocular Instruments Ocular Hill and Swan Jacob Gonio Prism and allows the surgeon to add fixation whenever necessary to facilitate management of the eye.
- Slim profile designed to fit within most eyelids and orbits. (Prism Not Included)
- Overall length: 145mm, 5.7 inches.



CX9430 Stellaris® Bipolar Cord

- Lemo Connector
- Reusable



S2070 C Bipolar Cord



- Single-use, dependable, economic bipolar cord for use with STORZ® S2050 A and S2080 Bipolar Coagulators and other bipolar coagulators using banana type receptacle jacks.
- Overall length: 36.36cm, 12 feet.



*Not Available in Canada

E5652 Carter Sphere Introducer and Holder

- Designed to insert eye spheres using spring loaded plunger.
- Polished finish.
- Overall length: 123mm, 4.8 inches.



E5699 P Corneal Shields Pediatric



- Developed by Dr. Earl Crouch for pediatric oculoplastic procedures for corneal and scleral protection.
- Dimensions enable protector to rest on the sclera and not the cornea.
- Easily removed with the E1500 Bishop-Harmon Forceps.
- Dimensions: 17mm diameter.



E5699 Crouch Corneal Protector Adult



- Developed for oculoplastic procedures for corneal and scleral protection.
- Dimensions enable protector to rest on the sclera and not on the cornea.
- Easily removed with the E1500 Bishop-Harmon Forceps.
- Dimensions: 23.5mm x 25.8mm.



E0787* Cunningham Ring Curette

- This curette is designed for ease of visualization during foreign body removal in the office setting.
- The instrument features a doubled-edged, 360-degree curette to allow for an approach from any angle and use with either hand.
- Overall length: 124.5 mm, 4.9 inches

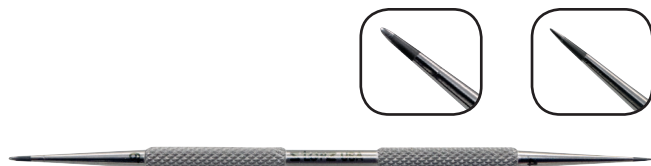


*Not Available in Canada

Miscellaneous

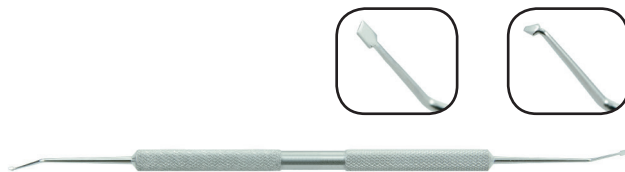
E4343* **Cunningham Punctal Probe**

- This punctal probe features a compact design for easier manipulation while at the slit lamp.
- The double-ended instrument includes markings on each end to guide estimation of the punctum diameter during dilation.
- Probe ends are 0.4 - 0.6 mm and 0.7 - 0.9 mm with 0.5 mm & 0.8 mm diameters at the way point respectively.
- Overall length: 88.9 mm, 3.5 inches



E2998* **Daya Femto Incision Separator**

- The Daya Femto Incision Separator is designed to reduce the likelihood of the surgeon altering the Femto laser incisions during surgical procedures.
- The instrument is designed for use in opening all corneal wounds (side port, main incision, and arcuate incisions), with both ends of the separator having the capability to pass through a side port.
- Fine leading edges and an ergonomic orientation allow for delicate maneuvering while opening Femto wound incisions.
- Overall length: 127 mm, 5.0 inches.



E4926* **enVista® IOL Lens Positioner**

- Designed to position the enVista IOL lens in the cartridge for optimal delivery.
- After the enVista lens is placed in the back of the BLIS -X1 cartridge with the leading haptic tucked on top of the optic, the lens positioner can be used to catch the rear optic and advance the lens forward stopping at the ideal position in the cartridge.
- Overall length: 112mm, 4.4 inches.



E8001 **ERGOTEC Cleaning Adaptor**

- ERGOTEC Flush Out Adapter.
- Overall length: 20mm, 0.8 inches.



*Not Available in Canada

Eye Garter Shield Cover & Fox Shield

- Includes one E5692 D aluminum Fox Eye Shield and one E5693 Eye Garter Shield Cover.
- Dimensions: 60.3mm x 76.2mm.
- Non-sterile. Latex-Free.

Catalog #	Packaged	Color
E5691 A50	50/box	Assorted
E5691 W50	50/box	White
E5691 W50BLF*	500/box	White



Eye Garter Shield Cover

- Used with E5692 D, E5697 A eye shields to cushion the eye.
- Eliminates need for taping shield.
- No sticky residue.
- Packaged 50/box.
- Non-sterile. Latex-Free.

Catalog #	Color
E5693	Assorted
E5693 W	White



Miscellaneous

E5692 D Fox Eye Shield

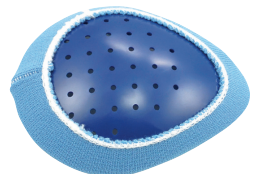
- Accommodates either eye.
- Slotted, malleable aluminum surface.
- Correct size holes produce ideal pin hole effect.
- Dimensions: 60.3mm x 76.2mm.
- Packaged 50/box.
- Non-sterile.



E5690 U Universal Goffman Blue Eye Garter Shield Cover & Blue Eye Shield

12 2

- Blue plastic shield for reduced glare.
- Dimensions: 60.3mm x 76.2mm.
- Non-sterile.
- Latex Free.



*Not Available in Canada

Miscellaneous

Universal Eye Shield



- Clear plastic.
- Accommodates either eye.
- Non-sterile.

Catalog #	Fit	Dimensions
E5689 A	Adult	60mm x 75mm
E5689 B	Child	53.8mm x 69mm



E3048 Fine Corneal Carrying Case

- Plastic case equipped with slots for arranging sutures.



E7448 Graduated Carafe

- Diameter: 121mm, 4.75 inches.
- Height: 133mm, 5.3 inches
- Capacity 32 oz.



E7446 Iodine Cup 6 oz

- Diameter: 87mm, 3.4 inches.
- Height: 51mm, 1.8 inches.
- Capacity: 6 oz.



E0421 Harms Trabeculotome Set

- 9mm long pointed tips with 3mm spread.
- Pair consists of left and right.
- Round knurled handle.
- Polished finish.
- Overall length: 49mm, 2.0 inches



*Not Available in Canada

E2490 Iliff-Wright Fascia Needle

- 2mm wide tip with 1mm by 4mm eye.
- Curved shaft and ring handle with polished finish.
- Overall length: 127mm, 5.0 inches.



E2488 Wright Fascia Needle

- 2mm wide tip with 1mm by 6mm eye.
- Curved shaft and ring handle with polished finish.
- Overall length: 130mm, 5.1 inches.



E8002 Intraocular Instrument Tip Guard

- Instrument guard protects instrument tip from accidental contact with trays and other instruments.
- Recessed design plus light colored plastic allows full visibility of the instrument tip.
- Remove for cleaning, replace for sterilization and storage.
- Designed for straight or angled manipulators, hooks and spatulas.
- Will fit on most round and flat handle manipulators.



E2424 Josephberg Hilton Stabilizing Plate

- The serrated edge of this reusable Stabilizing Plate applies pressure to the globe to add firmness and stability while inserting 25 gauge or 23 gauge trocar/cannulas for vitrectomy.
- The slot is aligned to measure an approximate distance of 3.5mm from the limbus which is the targeted pars plana zone.
- The center opening of the plate is large enough to insert the trocar/cannulas at an appropriate angle while keeping the eye steady and firm.
- This instrument makes it easier for doctors to transition to the smaller gauge vitrectomy procedures and is adaptable to right or left hand use.
- Overall length: 81mm, 3.2 inches.



*Not Available in Canada

Miscellaneous

ET4600 Khan Scleral Shield

- The Khan Shield manufactured in titanium helps to protect the globe during laser assisted blepharoplasty procedures.
- The oval shield was designed for patient comfort and includes anti-rotational posts and lash traction bar.
- Measures: 23mm x 28mm.



6-700 Maloney Keratometer

- Cone-shaped instrument designed to reflect the microscope light in rings on the cornea to detect astigmatism.
- Titanium.



E7003 Osher Magnifier HD

- This innovative, enhanced design offers a double hinged magnifier to provide easy positioning of the magnifier in the operating room.
- The newest modification to the popular Osher Sterile Field Magnifier is designed to offer more flexibility in viewing delicate instrument tips.
- It is also designed to facilitate adjustments of phaco sleeves and I/A handpieces or even loading IOLs into injectors in the operating room.



PPT049* Per Procedure Tray MICS

Includes 1 each:

- Barraquer Lid Speculum
- 85915S - CapsuleGuard® I/A Handpiece MICS Millennium®/Other Systems 45°
- SUE02 - Bonn Forceps
- SUE04 - McPherson Tying Forceps
- SUE06 - Capsulorhexis Forceps MICS
- SUF01 - Koch Stop & Chop Manipulator
- SUF02 - Sinsky Hook



PPT050* Per Procedure Tray Standard Cataract

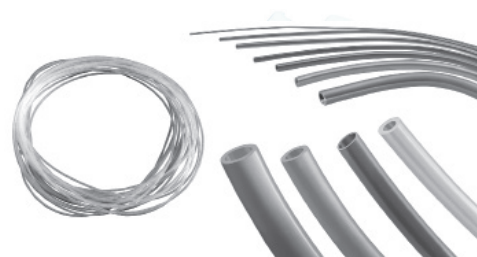
Includes 1 each:

- Barraquer Lid Speculum
- 85910S - CapsuleGuard® I/A Handpiece Millennium®/Other Systems 45°
- SUE01 - Capsulorhexis Forceps
- SUE02 - Bonn Forceps
- SUE04 - McPherson Tying Forceps
- SUF01 - Koch Stop & Chop Manipulator
- SUF02 - Sinsky Hook



*Not Available in Canada

Silicone Tubing (Non-sterile)



Catalog #	Coil (feet)	Diameter (inside x outside)	French Size	Standard Gauge Needle Fits Into Tubing	Tubing Passes Through Thin-Wall Gauge Needle
N5941 1A*	50	.30x.64mm, .012x.025"	2	28 (.014)	19 (.031)
N5941 1	10	.30x.64mm, .012x.025"	2	28 (.014)	19 (.031)
N5941 2A*	50	.51x.94mm, .020x.037"	2.8	23 (.025)	18 (.042)
N5941 2*	10	.51x.94mm, .020x.037"	2.8	23 (.025)	18 (.042)
N5941 4A	50	.76x1.65mm, .030x.065"	5	20 (.035)	14 (.071)
N5941 4	10	.76x1.65mm, .030x.065"	5	20 (.035)	14 (.071)
N5941 5A	50	1.02x2.16mm, .040x.085"	6.5	18 (.050)	12 (.091)
N5941 5	10	1.02x2.16mm, .040x.085"	6.5	18 (.050)	12 (.091)
N5941 6*	10	1.47x1.96mm, .058x.077"	6	16 (.065)	12 (.091)
N5941 8A*	50	1.57x3.18mm, .062x.125"	9.6	15 (.072)	8 (.143)
N5941 9A*	50	1.98x3.18mm, .078x.125"	9.6	14 (.083)	8 (.143)
N5941 10*	10	2.64x4.88mm, .104x.192"	14.6 S	11 (.120)	
N5941 12*	10	3.18x6.35mm, .125(1/8)x.250(1/4)"	19	10 (.134)	
N5941 12A*	50	3.18x6.35mm, .125(1/8)x.250(1/4)"	19	10 (.134)	
N5941 11A*	50	3.35x4.65mm, .132x.183"	14	9 (.148)	
N5941 13A*	50	4.8x7.9mm, .188(3/16)x.312(5/16)"	24	6 (.203)	
N5941 13*	10	4.8x7.9mm, .188(3/16)x.312(5/16)"	24	6 (.203)	
N5941 14A*	50	6.4x9.5mm, .250(1/4)x.375(3/8)"	29		
N5941 14*	10	6.4x9.5mm, .250(1/4)x.375(3/8)"	29		

*Not Available in Canada

Miscellaneous

ET8200H **StableGrip® Slimline VR Handle**

- For those who prefer a more slender handle design, the StableGrip® Slimline VR Handle is designed to offer surgeons exquisite control and rotational positioning and is compatible with the Storz® family of vitreoretinal forceps and scissors which are available in 20, 23 and 25 gauge designs.
- Overall length: 104mm, 4.1 inches.



E4429 22 **STORZ® Fluid Filter**



- For filtering fluids at flow rate specified in table; bi-directional membrane support rated at 5.3kg/cm² (75 psi) via prefilled syringe and aspiration from vials.
- Flow rate 45cc/minute.
- Pore size 0.2 micron



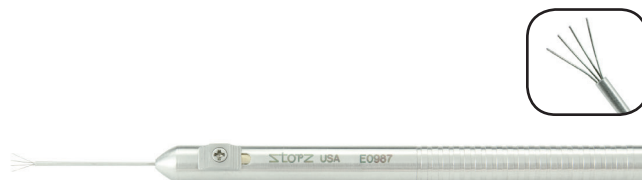
E4398 **Tip Protector**

- For use with most round and flat handled hooks and manipulators.
- Made from autoclavable Delrin.
- Overall length: 52mm, 2.1 inches.



E0987* **Weinstock Nucleus Retractor**

- This instrument is invaluable for lifting a dislocated lens in the posterior chamber and to support the lens for removal through an anterior chamber incision or by Phacoemulsification.
- Unique sliding handle design allows the 5mm long tips to retract into the instrument for ease of insertion.
- The tips can then extend from the instrument tip to create a “basket” that can be used to lift the lens.
- The 20 gauge instrument is introduced through a pars plana incision 3mm below the limbus.
- Overall length: 137mm, 5.4 inches.



*Not Available in Canada

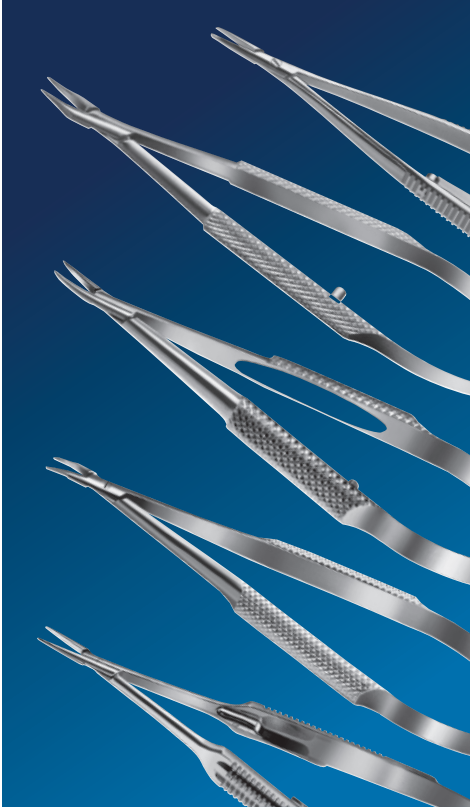
NEEDLE HOLDERS

Delicate 174

Fine 176

Medium 179

Heavy 182



Needle Holders

DELICATE

E4341* Ayres Needle Holder Scissors

- This needle holder is designed with a delicate jaw, tying platform and scissor to add efficiency to surgical procedures requiring sutures.
- The scissor tip of this instrument allows the surgeon to easily cut sutures during the procedure without the need of an assistant.
- The curved jaw provides visualization while placing sutures even from a nasal approach.
- Overall length: 132mm, 5.2 inches

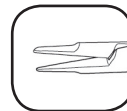
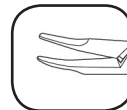


Barraquer Needle Holder

- Delicate jaws.
- Round knurled handle with dull finish.
- Overall length: 134mm, 5.2 inches.



Catalog #	Size	Jaws	Locking
E3828 CWO	9mm	Curved	Non-locking
E3828 CW	9mm	Curved	Locking
E3828 SWO	9mm	Straight	Non-locking
E3828 SW	9mm	Straight	Locking

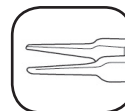


Bechert-Sinskey Needle Holder

- Delicate jaws.
- Large round knurled handle with lock.
- Dull finish.
- Overall length: 134mm, 5.3 inches.



Catalog #	Size	Jaws	Locking
E3827 CW	9mm	Curved	Locking
E3827	9mm	Straight	Locking

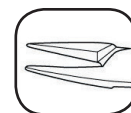


*Not Available in Canada

Needle Holders

E3884 C O'Gawa Needle Holder

- Delicate 8mm jaws with well rounded edges to prevent cutting suture.
- Curved jaws.
- Overall length: 130mm, 5.1 inches.



Osher Needle Holder

- Delicate curved and tapered 9mm jaw for grasping fine 10-0 sutures.
- Round knurled handle.
- Overall length: 108mm, 4.3 inches.



Catalog #	Lock
E3807 WO	Non-locking
E3807 W	Locking

ET3584TL Snyder Needle Holder Tip

- Incorporates a strong 20 gauge shaft and sturdy jaws to securely grasp the suture needle in the anterior chamber for intraocular suturing techniques.
- The jaws incorporate fine criss-cross grooves to facilitate excellent control and secure grasp of the needle.
- Use with ET8198H StableGrip® Vitreoretinal Handle (sold separately).
- Overall length: 50mm, 2.0 inches.



STORZ® Needle Holder

- Delicate 6mm moderately curved jaws.
- Small round knurled handle with dull finish.
- Overall length: 128mm, 5.0 inches.



Catalog #	Size	Jaws	Locking
E3885	6mm	Curved	Non-locking
E3885 WL	6mm	Curved	Locking

Delicate

*Not Available in Canada

Needle Holders

FINE

E3851 Azar Needle Holder

- Fine 11mm gently curved jaws.
- Flat scalloped handle with lock.
- Dull finish.
- Overall length: 137mm, 5.4 inches.



Barraquer Needle Holder

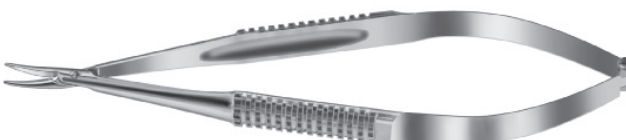
- Fine 10mm moderately curved jaws.
- Medium round knurled handle with dull finish



Catalog #	Lock	Overall Length
E3844	Non-locking	135mm, 5.3 inches
E3842	Non-locking	136mm, 5.4 inches
E3843	Locking	137mm, 5.4 inches

E3845 Barraquer Needle Holder Serrated Handle

- Fine 10mm gently curved jaws.
- Large round serrated handle with polished finish.
- Overall length: 126mm, 4.9 inches.

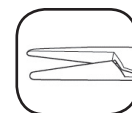


*Not Available in Canada

Needle Holders

Castroviejo Needle Holder

- Fine jaws.
- Polished finish.



Catalog #	Size	Jaws	Handle	Locking	Overall Length
E3862	10mm	Straight	Flat serrated	Non-locking	141mm, 5.6 inches
E3861 WHMC	9mm	Curved	Wide serrated	Locking	131mm, 5.2 inches
E3861 WH	9mm	Straight	Wide serrated	Locking	138mm, 5.4 inches
E3861 WHMS	9mm	Straight	Wide serrated	Locking	130mm, 5.1 inches

Cohan Needle Holder Mini

- Fine 8mm gently curved jaws.
- Medium round knurled handle with dull finish.
- Overall length: 104mm, 4.0 inches.



Catalog #	Locking
E3836 C	Non-locking
E3836 CW	Locking

McPherson Needle Holder

- Fine 11mm jaws.
- Flat serrated handle with lock.
- Polished finish.
- Overall length: 108mm, 4.2 inches.



Catalog #	Jaws
E3835	Strongly curved
E3834	Straight



Fine

*Not Available in Canada

Needle Holders

Needle Holder

- Curved 9mm fine jaws.
- Round knurled handle with dull finish.
- Titanium.
- Overall length: 109mm, 4.3 inches.

Catalog #

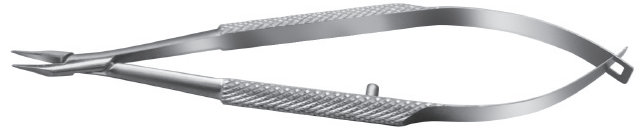
3-303

3-302

Lock

Non-locking

Locking



Needle Holder Long Handle

- Curved 9mm fine jaws.
- Round knurled handle with dull finish.
- Titanium.
- Overall length: 135mm, 5.3 inches.

Catalog #

33-303

33-302*

Lock

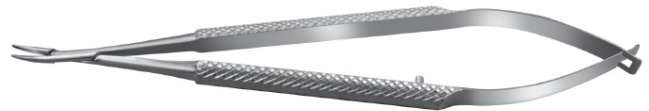
Non-locking

Locking



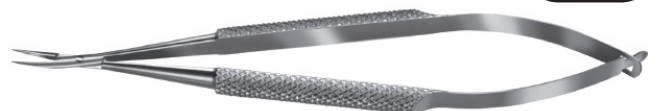
3-420 Nordan Needle Holder

- Curved 7mm fine jaws.
- Round knurled handle with dull finish.
- Titanium.
- Overall length: 118mm, 4.6 inches.



3-205 STORZ® Needle Holder

- Curved 7mm fine jaws.
- Round knurled handle with dull finish.
- Titanium.
- Overall length: 106mm, 4.2 inches.



*Not Available in Canada

Needle Holders

E3797 LC **STORZ®** Needle Holder

- Fine 9mm gently curved jaws.
- Large round knurled handle with lock.
- Polished finish.
- Overall length: 130mm, 5.1 inches.



E3839 XWH **Troutman** Needle Holder

- Fine 9mm moderately curved jaws.
- Wide serrated handle with lock.
- Polished finish.
- Overall length: 130mm, 5.1 inches.



MEDIUM

E3852 **Castroviejo** Needle Holder

- Medium 10mm tungsten carbide inlaid straight jaws.
- Flat serrated handle with lock.
- Dull finish.
- Overall length: 150mm, 5.9 inches.



Fine • Medium

*Not Available in Canada

Needle Holders

Castroviejo Needle Holder

- Medium jaws.
- Flat serrated handle with polished finish
- Overall length: 141mm, 5.6 inches.

Catalog #

E3861

Size

10mm

Jaws

Straight

Lock

Locking



E3849

11mm

Curved

Non-locking

E3848

11mm

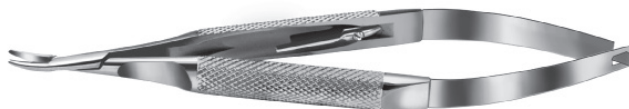
Curved

Locking



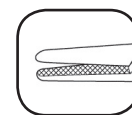
E3826 Hampton Needle Holder

- Medium 9mm gently curved jaws.
- Large round knurled handle with lock.
- Polished finish.
- Overall length: 130mm, 5.1 inches.



E3802 Kalt Needle Holder

- Medium 10mm straight serrated jaws.
- Flat serrated locking handle with polished finish.
- Overall length: 139mm, 5.5 inches.



Medium

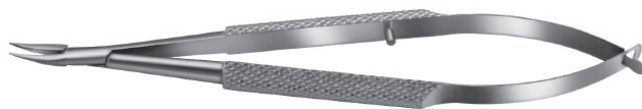
*Not Available in Canada

Needle Holders

Needle Holder

- 9mm medium jaws.
- Round knurled handle with dull finish.
- Titanium.

Catalog #	Jaws	Lock	Handle	Overall Length
3-203	Curved	Non-locking	Regular	109mm, 4.3 inches
3-202	Curved	Locking	Regular	109mm, 4.3 inches
33-203	Curved	Non-locking	Long	137mm, 5.4 inches
33-202	Curved	Non-locking	Long	137mm, 5.4 inches
3-200	Straight	Locking	Regular	109mm, 4.3 inches



STORZ® Needle Holder

- Medium 9mm jaws.
- Large round knurled handle.
- Polished finish.
- Overall length: 130mm, 5.1 inches.

Catalog #	Jaws	Lock
E3797 X	Curved	Non-locking
E3797	Curved	Locking
E3796	Straight	Non-locking
E3795	Straight	Locking



Medium

Troutman Needle Holder

- Medium 10mm gently curved jaws.
- Medium round horizontally serrated handle with dull finish.
- Without lock.

Catalog #	Lock	Overall Length
E3839	Non-locking	122mm, 4.8 inches
E3839 X	Locking	119mm, 4.7 inches



*Not Available in Canada

Needle Holders

HEAVY

Castroviejo Needle Holder

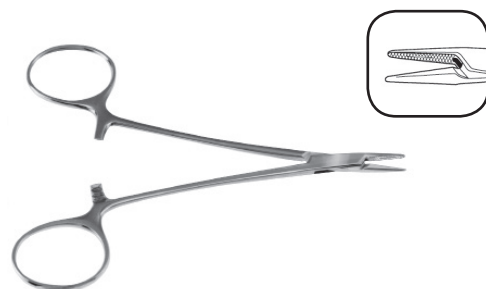
- Heavy straight jaws.
- Flat serrated handle with lock.
- Polished finish..

Catalog #	Size	Overall Length
E3850	12mm	143mm, 5.7 inches
E3864	15mm	148mm, 5.8 inches



E3876 Derf Needle Holder

- Heavy 14mm serrated jaws with grooves.
- Ring handle with ratchet lock and dull finish.
- Overall length: 129mm, 5.0 inches.



Heavy

*Not Available in Canada

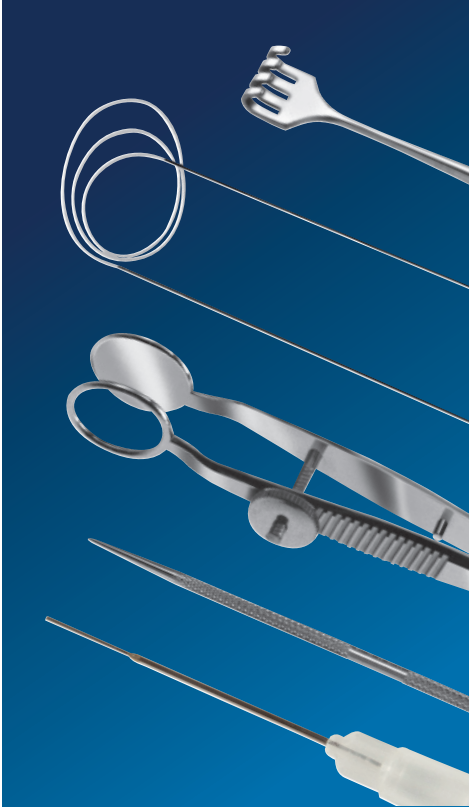
OCULOPLASTIC

Lacrimal, DCR..... 184

Bowman Lacrimal Probes.. 185

Lid 196

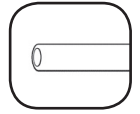
Orbital..... 197



LACRIMAL, DCR

E4411 **Bailey Lacrimal Cannula**

- 23 gauge cannula with reinforced shaft and blunt 6mm tip.
- Polished finish.
- Overall length excluding hub: 14mm, 0.6 inches.



E2640 **Baird Chalazion Forceps**

- Oval solid 13.6mm x 10.5mm wide lower plate.
- Open upper plate with inside dimensions 11mm x 8mm.
- Serrated handle with locking thumb screw and polished finish.
- Overall length: 97mm, 3.8 inches.



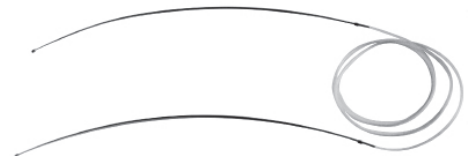
E4222 **Benger Probe Hook**

- Designed to engage the Benger probe tips.
- Straight 63mm shaft with dull finish.
- Overall length: 135mm, 5.3 inches.



E4223 **Benger Probe Set**

- Fine 118mm, 4.6 inch stainless steel wire probes with olive tips.
- Set consists of two wires with 320mm of silicone tubing (N5941 1).
- Polished finish.
- Overall length: 556mm, 21.9 inches.



Berke Ptosis Forceps

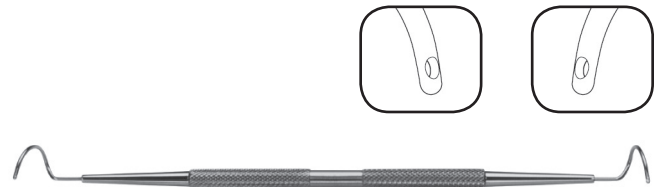
- Multi-curved shafts with straight blades and longitudinal serrations.
- Slide lock and serrated handle with polished finish.
- Overall length 98mm, 3.9 inches

Catalog #	Blade Length
E2500	20mm
E2504	27mm



E4251 CB Beyer Pigtail Probe

- 16mm diameter pigtail curved probes with suture eyes just back of blunt ends.
- Stainless steel.
- Round knurled handle with polished finish.
- Overall length: 146mm, 5.7 inches.



E4221 Bodian Mini-Lacrimal Probes

- Probes are 1mm in diameter and 37mm long, gently curved.
- Silicone tubing is 30cm long, .012" x .025" (N59411).
- Malleable sterling silver.
- Polished finish.
- Overall length: 370mm, 13.6 inches.

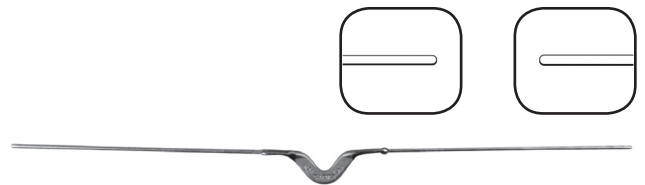


BOWMAN LACRIMAL PROBES

Bowman Lacrimal Probes

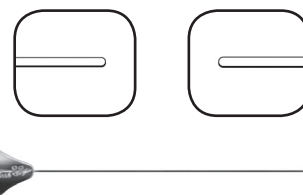
- Malleable sterling silver.
- Polished finish.
- Overall length: 144mm, 5.7 inches.

Catalog #	Sizes
E4181	00 and 0
E4182	1 and 2



Bowman Lacrimal Probes

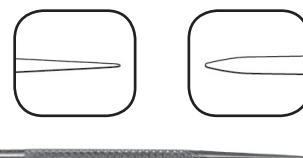
- Polished finish
- Malleable



Catalog #	Sizes	Material	Overall Length
E4198	0000 and 000	Stainless steel	151mm, 6.0 inches
E4199	3 and 4	Stainless steel	144mm, 5.7 inches
E4204	5 and 6	Sterling silver	142mm, 5.6 inches
E4205	7 and 8	Sterling silver	142mm, 5.6 inches

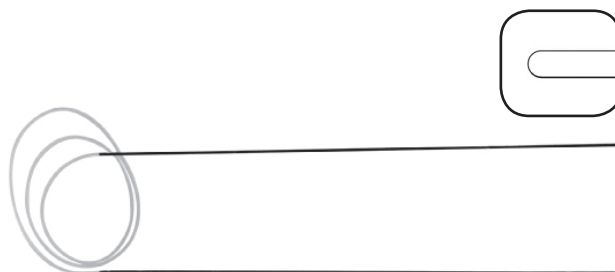
E4340 Castroviejo Double Ended Lacrimal Dilator

- One end with needle point and other end with medium taper.
- Stainless steel.
- Round knurled handle with polished finish.
- Overall length: 140mm, 5.7 inches.



E5654 Catalano Intubation Set

- Single Use item.
- Set consists of two malleable sterling silver probes.
- 0.7mm diameter with blunt tip.
- 140mm (5.5 inches) long with 290mm (11.4 inches) of silicone tubing (N5941 1) fastened onto the probe.
- Polished finish.
- Overall length: 570mm, 22.4 inches.



E2604 Demarres Chalazion Forceps - 24mm

- Oval solid 26mm x 16mm wide lower plate.
- Open upper plate with inside dimensions 12mm x 23mm.
- Curved upper and lower plates
- Serrated handle with locking thumb screw and polished finish.
- Overall length: 90mm, 3.5 inches.



*Not Available in Canada

E2515* **Erickson-Lee Ptosis Clamp**

- The Erickson-Lee Ptosis clamp offers contoured, refined jaws for improved fit to the eye, increased visibility and ease of access.
- It offers a secure grip of the tissues while easily locking and releasing.
- The slide lock design aids in positioning the clamp during use.
- Overall length: 96mm, 3.8 inches.



Erickson-Lee Pigtail Lacrimal Probe CCW

- Cannulated probe, with ported end, allows the use of fluid to open the lacrimal duct, improving the ease of insertion.
- Recommend pairing the CW and CCW to accommodate right and left tear duct surgeries.
- Overall length: 18mm, 1.7 inches.



Catalog #

Orientation

E2516*

Counter-clockwise



E2517*

Clockwise



E4426 **Fasanella Lacrimal Cannula**

- 23 gauge cannula with reinforced shaft.
- 22mm gently curved blunt tip.
- Polished finish.
- Overall length excluding hub: 42mm, 1.7 inches.



E0808 **Foreign Body Curette - 1.0mm Cup**

- Straight 31mm shaft with flat handle and polished finish.
- Cup: 1.0mm.
- Overall length: 127mm, 5.0 inches.



*Not Available in Canada

E2610 Francis Chalazion Forceps

- Oval solid 16mm x 15mm wide lower plate.
- Open upper plate with inside dimensions 12mm x 14mm.
- Serrated handle with locking thumb screw and polished finish.
- Overall length: 98mm, 3.9 inches.



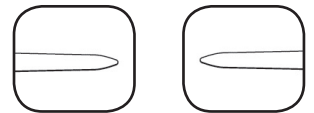
E2614 Heath Chalazion Forceps

- Oval solid 15mm x 17mm wide lower plate.
- Open upper plate with inside dimensions 12mm x 14mm.
- Serrated handle with locking thumb screw and polished finish.
- Overall length: 100mm, 3.9 inches.



E4346 Hosford Double Ended Lacrimal Dilator

- Abrupt taper 2mm from the end, then more gradual taper so that quick dilation of the punctum is obtained.
- Stainless steel.
- Round knurled handle with polished finish.
- Overall length: 140mm, 5.5 inches.



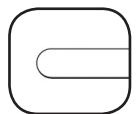
E2618 Hunt Chalazion Forceps

- Round solid 15mm wide lower plate.
- Open upper plate with inside diameter 12mm.
- Serrated handle with locking thumb screw and polished finish.
- Overall length: 97mm, 3.8 inches.



E5651 Jackson Lacrimal Intubation Set

- Single use item.
- Blunt tip.
- Malleable stainless steel.
- Set consists of two 20 gauge thin wall Jackson probes.
- 155mm (6.1 inches) long with 300mm (11.8 inches) of silicone tubing (N5941 1) fastened onto the probe.
- Polished finish.
- Overall length: 610mm, 24 inches.



*Not Available in Canada

E4223 J* Johnson Lacrimal Probe

- Designed for use with the E4222 Benger Probe Hook.
- Olive-tip probe has the silicone tubing wedged internally in the introducing stylet, reducing the possibility of the tubing being sheared off.
- Set consists of two wires with 320mm of silicone tubing attached (N5941 1).
- Polished finish.
- Overall length: 556mm, 21.9 inches.

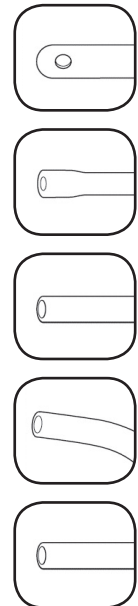


Lacrimal Cannulas

- Polished finish.



Catalog #	Gauge	Shaft	Tip	Overall Length
E4416	19	Straight	Blunt tip, side opening	28mm, 1.1 inches
E4410	22	Malleable	Blunt flared	19mm, 0.8 inches
E4400	23	Straight	Blunt tip	25mm, 1.0 inches
E4406	23	Reinforced	Curved 10mm	31mm, 1.2 inches
E4404	23	Reinforced	Striaight 10mm	31mm, 1.2 inches



*Not Available in Canada

Lacrimal Cannulas Single-Use



- Overall length excluding hub: 28mm, 1.1 inches.



Catalog #	Gauge	Tip	Hub Color
ED7184	19 tapers to 23	Straight	White
ED7187	25	Curved	Orange



Lambert Chalazion Forceps

- Round solid lower plate, open upper plate.
- Serrated handle with locking thumb screw and polished finish.



Catalog #	Lower Plate	Upper Plate Inside Diameter	Overall Length
E2632	15mm	12mm	98mm, 3.9 inches
E2630	11mm	9mm	92mm, 3.6 inches

E4395 8* McIntyre Lacrimal Cannula

- 23 gauge cannula ,straight shaft. with blunt tip and side port.
- Polished finish.
- Overall length, excluding hub 46mm, 1.8 inches.



E4395 9* McIntyre Curved Lacrimal Cannula

- 23 gauge cannula, curved shaft with blunt tip and side port.
- Polished finish.
- Overall length, excluding hub 46mm, 1.8 inches.



*Not Available in Canada

Meyerhoeffer Chalazion Curette

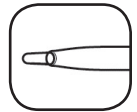
- Straight 31mm shaft with flat handle
- Polished finish.
- Overall length: 124mm, 4.9 inches.



Catalog #	Number	Cup
E0780	0	1.5mm
E0781	1	1.75mm
E0782	2	2.0mm
E0783	3	2.5mm
E0784	4	3.5mm

**E4370 Muldoon Lacrimal Dilator**

- Medium 27mm taper, distal end is straight to act as a guide for the tapered dilator which follows.
- Stainless steel.
- Round knurled handle with polished finish.
- Overall length: 99mm, 3.9 inches.

**E4251 B Polyethylene Tubing for Probes**

- Pre-cut and formed in 320mm lengths.
- Three tubes per package.

**E4270* Putterman Consecutive Conjunctivodacryocystorhinostomy Set**

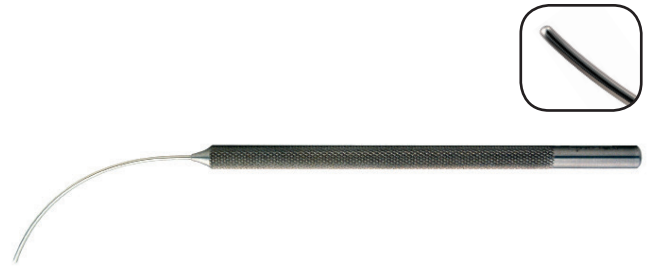
- Instrument set designed to form the conjunctivodacryocystorhinostomy osteum and place bypass tube while avoiding withdrawal and reinsertion of instruments in each procedural step.
- Needle designed to create the initial track with the trephine used to slide over the needle to create the osteum.
- Once needle is removed, the Bowman-type probe can be inserted through the trephine.
- When the trephine is removed, the probe can be used to measure the distance from medial canthus to nasal septum.
- Probe features marks in 5.0 mm intervals from the tip to 15.0 mm, in 1.0 mm intervals from 15.0 mm to 25.0 mm, and again in 5.0 mm intervals from 25.0 mm to 35.0 mm.



*Not Available in Canada

E2506 Putterman Eyelid Creaser

- Placement of Putterman Eyelid Creaser into the superior aspect of the upper eyelid skin fold demonstrates to patients the effect of an upper blepharoplasty and aids in determining the level to create the upper eyelid crease.
- Can also be used to compress lower eyelid herniated fat to demonstrate the effect fat removal will have on diminishing inferior orbital rim circles, in deciding whether excision or repositioning is indicated.



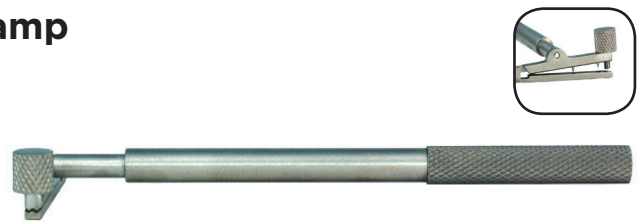
E2510* Putterman Gladstone Transmarginal Clamp

- Designed to facilitate transmarginal rotation procedure to treat eyelid cicatricial entropions.
- Stabilizes eyelid and increases accuracy of the placement of a skin-muscle incision externally and a tarsal-conjunctival incision internally, decreasing chance of injury to the marginal artery.
- Clamp is also helpful in the Cutler Beard procedure in treatment of upper eyelid defects after tumor removal, traumatic avulsions or colobomas.
- Useful in the mid lower eyelid tarsoconjunctival flap-skin graft procedure in treatment of cicatricial lower lid retraction.



E2509 Putterman Levator Resection Clamp

- Clamp is utilized during the levator resection procedure; pins and grooves firmly hold the levator aponeurosis edge.
- The ability to reattach the handle on either side of the clamp facilitates severing of levator from superior tarsal border when handle is in the superior position and release of the horns as well as attachment of tarsus to levator with the handle in the inferior position.



E2508 Putterman Mullers Muscle Conjunctival Resection Ptosis Clamp

- Designed for use during a Mullers muscle-conjunctival resection ptosis procedure.
- Clamp is used to incorporate conjunctiva and Mullers muscle between the superior tarsal border and the marking suture in order for suturing and resection to occur.



*Not Available in Canada

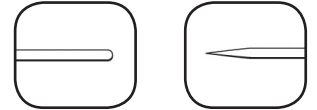
E4220 15 **Quickert Grooved Director**

- Stainless steel dull finish.
- Overall length: 145mm, 5.7 inches.



Quickert Lacrimal Intubation Probes

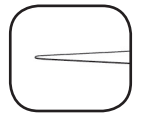
- Malleable sterling silver.
- One end has a Jones taper point, the other end has a regular Bowman point.
- Polished finish.
- Overall length: 142mm, 5.6 inches.



Catalog #	Size
E4220 00	00
E4220 1*	1
E4220 2	2
E4220 3*	3
E4220 4*	4

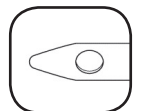
E4366 **Ruedemann Lacrimal Dilator**

- Short 12mm taper with needle type tip.
- Stainless steel.
- Round smooth handle
- Polished finish.
- Overall length: 71mm, 2.8 inches.



E4401 **Shahinian Lacrimal Cannula**

- 23 gauge cannula with blunt tapered tip and side port.
- Straight shaft with polished finish.
- Overall length excluding hub: 11mm, 0.4 inches.



*Not Available in Canada

E7184 Straight Lacrimal Cannula -19 Gauge/23 Gauge Tapered



- 19 gauge shaft tapering to 23 gauge cannula.
- Straight.
- Overall length excluding hub: 37mm, 1.5 inches



E4408 Weil Lacrimal Cannula

- 21 gauge cannula with blunt tip and top port.
- Curved shaft with polished finish.
- Overall length excluding hub: 34mm, 1.3 inches.



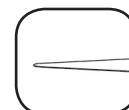
E4418 West Lacrimal Cannula

- 23 gauge cannula with blunt tip and bottom port.
- Gently curved shaft with polished finish.
- Overall length excluding hub: 30mm, 1.2 inches.



Wilder Lacrimal Dilators

- Taper with blunt tip.
- Stainless steel.
- Round knurled handle with polished finish.
- Overall length: 101mm, 3.9 inches.
- Taper: Long 32mm.



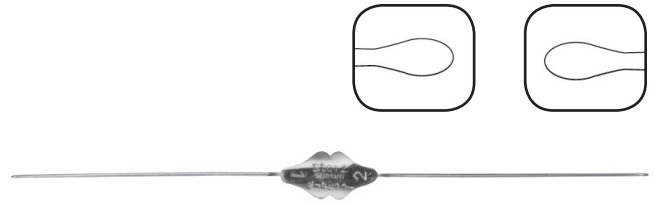
Catalog #	Taper	Size
E4362	Long	32mm
E4361	Medium	23mm
E4360	Short	19mm

*Not Available in Canada

Williams Lacrimal Probe

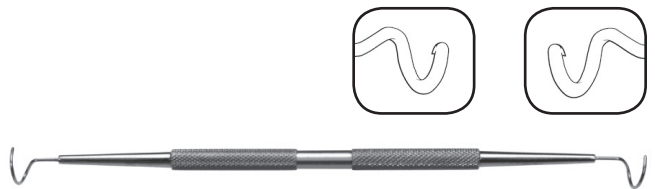
- Malleable sterling silver.
- Polished finish.
- Overall length: 142mm, 5.6 inches.

Catalog #	Size
E4210	00 and 0
E4211	1 and 2
E4212	3 and 4
E4213	5 and 6



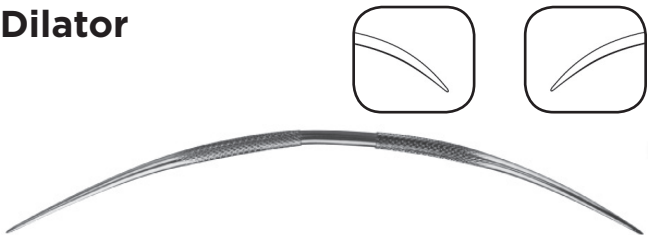
E4251 Worst Pigtail Probe

- 9mm diameter pigtail curved blunt probes.
- Stainless steel.
- Round knurled handle with polished finish.
- Includes pre-cut polyethylene tubes (E4251 B).
- Overall length: 149mm, 5.9 inches.



E4336 Ziegler Double Ended Lacrimal Dilator

- Double ended dilator probes with gentle curve.
- Stainless steel.
- Round knurled handle with polished finish.
- Overall length: 134mm, 5.3 inches.



*Not Available in Canada

LID

E1069 Berke-Jaeger Lid Plate

- Curved over length and width.
- 21mm and 24mm wide blades.
- Dull finish.
- Overall length: 110mm, 4.3 inches.



E5699 Corneal Crouch Protector



- Blue.
- Developed for oculoplastic procedures for corneal and scleral protection.
- Dimensions enable protector to rest on the sclera and not on the cornea.



Desmarres Lid Retractors

- Flat serrated handle with polished finish.
- Overall length: 140mm, 5.5 inches.



Catalog #	Size	Blade Width
E0980	0	11mm
E0981	1	13mm
E0982	2	15mm

E1064 Jaeger Lid Plate

- 20mm x 35mm and 24mm x 35mm curved ends.
- Clear lucite.
- Overall length: 93mm, 3.7 inches.



*Not Available in Canada

E1069 S **Khan-Jaeger Lid Plate**

- This popular style lid plate has been resized and re-curved for transconjunctival blepharoplasty and is sandblasted to provide a non-reflective surface.
- 20mm and 23mm wide blades.
- Overall length: 10.9cm, 4.3 inches.



Orbital Elevator-Retractor

- Double ended.
- Thin ribbon retractor.
- Gentle "S" curve.



Catalog #	Size	Overall length
E3705	16mm/25mm	182mm, 7.2 inches
E3706	10mm/14mm	180mm, 7.1 inches

ORBITAL

E4514 **Agricola Lacrimal Sac Retractor**

- 3mm curved semi sharp prongs.
- Spring loaded with finger grips and screw lock.
- Blade spread: 32mm.
- Dull finish.
- Overall length: 43mm, 1.7 inches.



E4590 **Belz Lacrimal Sac Rongeur**

- Rounded 17mm long jaws.
- 2mm wide at tip.
- 3mm wide at midline.
- Dull finish.
- Overall length: 178mm, 7.0 inches.



E4538 **Knapp Lacrimal Sac Retractor**

- Blunt 4mm by 8mm wide four prong tip.
- Flat serrated handle with polished finish.
- Overall length: 135mm, 5.3 inches.



E0790 **Skeelee Curette**

- 2mm cup with serrated edge.
- Straight
- 31mm shaft with flat handle
- Polished finish.
- Overall length: 125mm, 4.9 inches.



E4500 **Stevenson Lacrimal Sac Retractor**

- Curved 3mm teeth.
- Blade spread: 22mm.
- Dull finish.
- Overall length: 85mm, 3.3 inches.



E4595 **Tenzel Double Ended Periosteal Elevator**

- 4 x 6mm dissector end with shaft marked at 10mm, 20mm, and 30mm from tip. 6mm wide curved elevator.
- Round knurled handle.
- Polished finish.
- Overall length: 195mm, 7.7 inches.



RETRACTORS

Lid 200

Orbital..... 200

Iris.....201



Retractors

LID

E0985 Conway Lid Retractor

- 7.5mm wide retractor blade.
- Flat serrated handle with polished finish.
- Overall length: 135mm, 5.3 inches.



Desmarres Lid Retractor

- Flat serrated handle with polished finish.
- Overall length: 143mm, 5.6 inches.



Catalog #	Size	Blade Width
E0980	0	11mm wide
E0981	1	13mm wide
E0982	2	15mm wide
E0983	3	17mm wide

E0997 Jaffe Lid Retractor

- One pair.
- 15mm wide curved retractor blades.
- Dull finish.
- Overall length: 53mm, 2.0 inches.



ORBITAL

E5381 25 Schepens Forked Retractor

- Forked spatula designed to retract the eye during retinal or orbital surgery for improved visibility of orbital structures.
- Smooth 12mm x 40mm blade with 3.0mm wide notch in blade.
- Overall length: 140mm, 5.5 inches.



*Not Available in Canada

E5008 Schepens Orbital Retractor

- Smooth 14mm by 56mm blade with 4.5mm wide notch in blade.
- Flat serrated handle with dull finish.
- Overall length: 148mm, 5.8 inches.



Orbital Elevator-Retractor

- Double ended.
- Thin ribbon retractor.
- Gentle "S" curve.

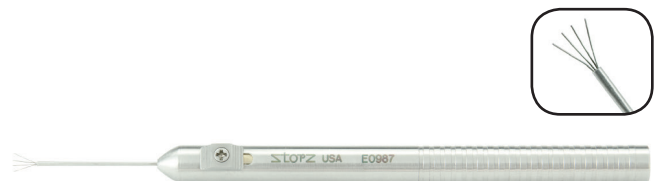


Catalog #	Size	Overall length
E3705	16mm/25mm	182mm, 7.2 inches
E3706	10mm/14mm	180mm, 7.1 inches

IRIS

E0987* Weinstock Nucleus Retractor

- Invaluable instrument for lifting a dislocated lens in the posterior chamber and to support the lens for removal through an anterior chamber incision or by Phacoemulsification.
- Unique sliding handle design allows the 5mm long tips to retract into the instrument for ease of insertion.
- Tips can then extend from the instrument tip to create a "basket" that can be used to lift the lens.
- The 20 gauge instrument is introduced through a pars plana incision 3mm below the limbus.
- Overall length: 137mm, 5.4 inches.

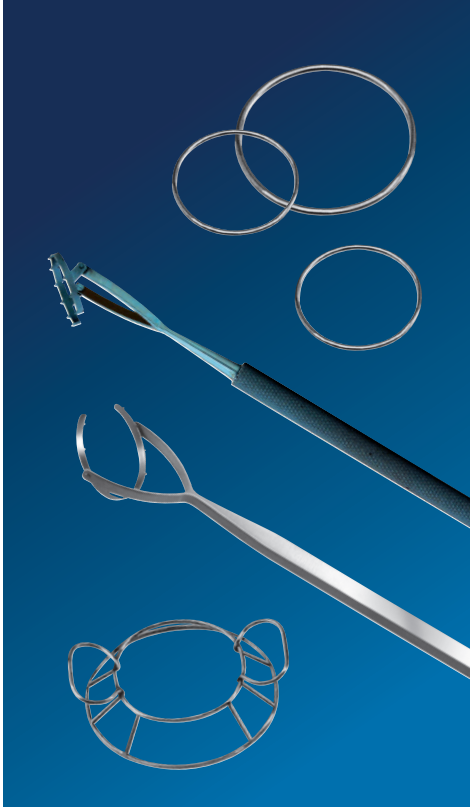


*Not Available in Canada

RINGS

Fixation204

Flieringa, Scleral205



FIXATION

ET9044 **Devgan-Seibel Fixation Ring**

- Off-set design provides a level perspective independent of hand position and eases placement on the globe.
- Marks on the top of the ring are spaced 60° on either side of the center of the ring opening, serving as a guide for placement of a paracentesis 60° from the temporal clear corneal incision in coaxial phaco, or for placement of two micro incisions 120° apart in bi-manual phaco.
- Closed side of fixation ring features marks 30° apart to serve as guide for LRI nomograms.
- Overall length 117mm, 4.6 inches.



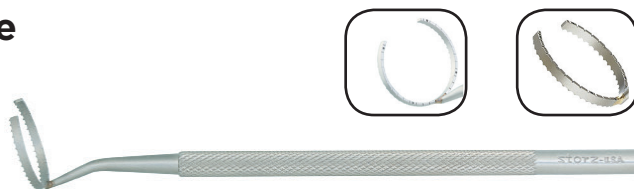
E9018 **Fine-Thornton Fixation Ring**

- Open ring design.
- 16mm diameter ring with shaft angled 45°.
- Blunt teeth.
- Round knurled handle with dull finish.
- Overall length: 75mm, 3.0 inches.



E9012 **Nichamin Fixation Degree Gauge**

- Open 14mm fixation ring with fine teeth to prevent damage to conjunctiva.
- Gauge is marked every 10° to determine the extent of the arc to be incised.
- Two broad marks align with steep axis.
- Overall length: 112mm, 4.4 inches.



Thornton Fine Fixation Ring

- Open ring design for globe fixation during various ocular procedures.
- Blunt fixation points.
- Swivel handle provides increased flexibility.
- Titanium.



Catalog #	Ring Size	Overall Length
ET9020	13mm	107mm, 4.2 inches
ET9019	16mm	108mm, 4.3 inches

*Not Available in Canada

FLIERINGA, SCLERAL

Flieringa Fixation Ring

- Stainless steel.
- Polished finish.
- Available in 1mm increments from 12mm to 22mm.



Catalog #	Ring Size
E4034 12	12mm
E4034 13	13mm
E4034 14	14mm
E4034 15	15mm
E4034 16	16mm
E4034 17	17mm
E4034 18	18mm
E4034 19	19mm
E4034 20	20mm
E4034 21	21mm
E4034 22	22mm

E4033 McNeil Goldman Scleral & Blepharostat Ring

- Adult Size.
- Inner diameter: 17mm.
- Outer diameter: 24mm.
- Loops retract lids.
- Polished finish.



Flieringa, Scleral

*Not Available in Canada

RUST RING REMOVERS, SPUDS



Rust Ring Removers, Spuds

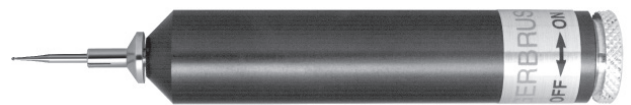
E0816 C Algerbrush Pterygium Burr Medium Diamond

- Medium diamond burr that will fit into the battery operated pterygium handpiece.
- Can be used with E0815 A or E0815 B Algerbrush Rust Ring Removers.
- Overall length: 30mm, 1.2 inches.



Algerbrush Rust Ring Remover

- Battery operated single speed motorized handpiece, tip cover, supplied with a tungsten burr and one battery size "AA."
- Tip must be removed for autoclave.
- Handles non-autoclavable.
- Overall length: 105mm, 4.1 inches.



Catalog #	Tungsten Burr
E0815 A	0.5mm
E0815 B	1.0mm

Algerbrush Rust Ring Remover Replacement Burr

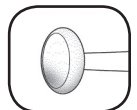
- Replacement burr for Algerbrush Rust Ring Remover.
- Dull finish.
- Overall length: 22mm, 0.9 inches.

Catalog #	Tungsten Burr
E0815 0.5	0.5mm (for E0815 A)
E0815 1.0	1.0mm (for E0815 B)



E0813 Diamond Burr Pterygium

- 5.5mm disk shaped burr.
- Diamond coated tip.
- Overall length: 44mm, 1.7 inches.



E0846 Ellis Foreign Body Spud

- Small curved rounded blade.
- Flat serrated handle with polished finish.
- Overall length: 117mm, 4.6 inches.



*Not Available in Canada

Rust Ring Removers, Spuds

E0840 Golf Club Spud

- Small golf club shaped tip with sharp edge.
- Flat serrated handle with polished finish.
- Overall length: 119mm, 4.7 inches.



E0828 A Needle & Gouge Set - Needle Tip

- For use with the E0828 C Needle Gouge Set Handle.
- Triangular shape curved 5.0mm blade.
- Polished finish.
- Overall length (not including screw hub): 29mm, 1.2 inches.



E0828 B Needle & Gouge Set - Gouge Tip

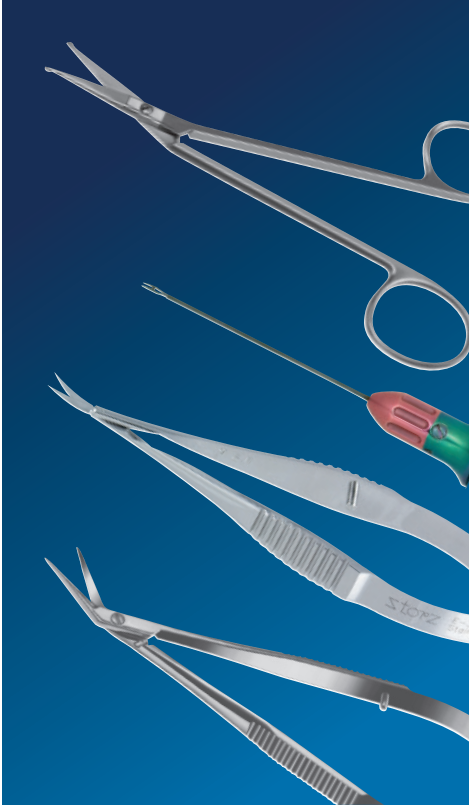
- For use with the E0828 C Needle Gouge Set Handle.
- Straight gouge shaped tip.
- Polished finish.
- Overall length (not including screw hub): 27mm, 1.1 inches.



E0828 C Needle & Gouge Set - Handle

- For use with E0828 A needle tip and E0828 B gouge tip.
- Round knurled handle with threaded ends for tips.
- Overall length: 90mm, 3.5 inches.





SCISSORS

Corneal.....	212
Corneal Section	215
Enucleation.....	218
Foreign Body	219
Intraocular.....	219
Iris.....	220
Miscellaneous.....	222
Retinal.....	223
Strabismus	224
Suture Stitch	225
Tenotomy	227
Utility.....	229
Vannas	230



CORNEAL

E3490 Aebli Straight Corneal Scissors

- Universal standard pattern.
- Straight blades with blunt tips.
- 19mm from mid-screw to tip.
- Ring handle.
- Polished finish on blades.
- Overall length: 92mm, 3.6 inches.



E3223 Castroviejo Angled Corneal Scissors

- Universal miniature model with blunt blades.
- 14mm from mid-screw to tip.
- Flat serrated handle with polished finish.
- Overall length: 106mm, 4.2 inches.



E3222 R Castroviejo Corneal Scissors Right

- Right orientation with blunt angled blades.
- 16mm from mid-screw to tip.
- Flat serrated handle with polished finish.
- Overall length: 106mm, 4.2 inches.



Castroviejo Curved Corneal Scissors

- Miniature model with blunt tips.
- 12mm from mid-screw to tip.
- Flat serrated handle with polished finish.
- Overall length: 107mm, 4.2 inches.



Catalog #

E3218 L

Jaws

Left



E3218 R

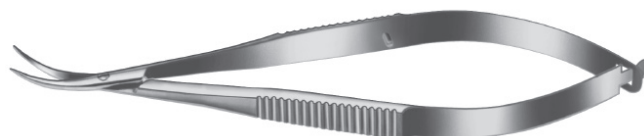
Right



*Not Available in Canada

E3220 **Castroviejo Curved Corneal Scissors Universal**

- Universal medium model with blunt tips.
- 17mm from mid-screw to tip.
- Flat serrated handle with polished finish.
- Overall length: 114mm, 4.5 inches.



E3221 **Castroviejo Keratoplasty Scissors**

- Universal with blunt angled blades.
- Lower blade 1mm longer than upper blade.
- 16mm from mid-screw to tip.
- Flat serrated handle with polished finish.
- Overall length: 107mm, 4.2 inches.



E3218 MM **Castroviejo Mini Corneal Scissors**

- Universal miniature model with blunt tips.
- 11mm from mid-screw to tip.
- Flat serrated handle with polished finish.
- Overall length: 105mm, 4.1 inches.



E3118 **Cindy Scissor**

- Fine bladed scissors complete corneal tissue cuts during DLEK procedures.
- Overall length: 85mm, 3.4 inches.





*Not Available in Canada

Scissors

Fogla Scissors



- These scissors are used to remove the residual corneal stroma separated from the Descemet's membrane in DALK surgery.
- The lower blade of the scissors is thinner and 1mm longer than the upper blade which displaces Descemet's membrane, protecting it from being damaged by the blades.
- Overall length: 108mm, 4.2 inches.

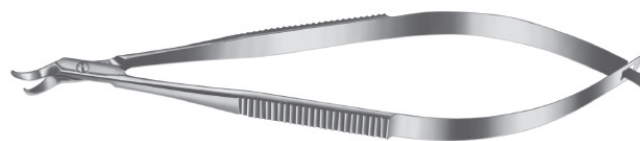
Catalog #	Jaws	
E3217 L	Left	
E3217 R	Right	



Katzin Curved Corneal Transplant Scissors

- Miniature model with strongly curved blunt blades of uneven lengths.
- Lower blade 12mm, upper blade 11mm (from mid-screw to tip).
- Flat serrated handle with polished finish.
- Overall length: 104mm, 4.1 inches.

Catalog #	Jaws	
E3232	Left	
E3233	Right	



E3506 McGuire Corneal Scissors

- Right orientation.
- Angled and curved blades.
- 24mm from mid-screw to tip.
- Ring handle.
- Polished finish on blades.
- Overall length: 106mm, 4.2 inches.



*Not Available in Canada

E3219 Osher Universal Corneal Scissors



- Thin curved blades provide precise 6.5mm beveled incision opening with a single snip.
- Blunt tips with gentle curve.
- 21mm from mid-screw to tip.
- Flat serrated handle with polished finish.
- Overall length: 120mm, 4.7 inches.



STORZ® Miniature Corneal Scissors

- Delicate corneal scissors for use during corneal transplants to complete the corneal trephination.
- 9mm blades with lower blade extended 0.5mm.
- Overall length: 102mm, 4.0 inches.





Catalog #	Jaws	
E3231 L	Left	
E3231 R	Right	

CORNEAL SECTION

Aebli Corneal Section Scissors

- Angled blades with blunt tips.
- 18mm from mid-screw to tip.
- Flat serrated handle with polished finish.
- Overall length: 117mm, 4.6 inches.

Catalog #	Jaws	
E3290	Left	
E3289	Right	



*Not Available in Canada

Scissors

Castroviejo Corneal Section Scissors

- Curved blades with blunt tips.
- Lower blade 0.5mm longer than upper blade.
- Flat serrated handle with polished finish.

Catalog #	Jaws	Mid-Screw to Tip	Model	Overall Length
E3305 X	Left	9mm	Sub-miniature	103mm, 4.0 inches
E3305 M	Left	13mm	Mid-miniature	104mm, 4.1 inches
E3304 M	Right	12mm	Mid-miniature	104mm, 4.1 inches
E3305	Left	12mm		104mm, 4.1 inches
E3304	Right	13mm		107mm, 4.2 inches



Castroviejo Corneal Section Scissors 18mm

- Angulated blade to facilitate manipulation and curved to conform to the curve of the limbus.
- Lower blade is 1mm longer than upper blade.
- Lower blade is rounded in the fashion of a spatula to minimize trauma to the corneal endothelium and iris.
- 18mm from mid-screw to tip.
- Flat serrated handle with polished finish.
- Overall length: 108mm, 4.3 inches.

Catalog #	Jaws
E3301	Left
E3300	Right



Manson-Aebli Corneal Section Scissors

- Angled blades
- Upper blade 1.5mm shorter than lower blade.
- 19mm from mid-screw to tip.
- Flat serrated handle with polished finish.
- Overall length: 117mm, 4.6 inches.

Catalog #

E3289 M

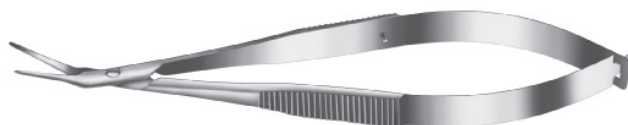
Jaws

Left



E3290 M

Right



McPherson-Castroviejo Miniature Corneal Section Scissors

- Miniature model has curved blades with blunt tips.
- Lower blade 0.5mm longer than upper blade.
- 11mm from mid-screw to tip.
- Flat serrated handle with polished finish.

Catalog #

E3305 MC

Jaws

Left

Overall Length

99mm, 3.9 inches



E3304 MC

Right

93mm, 3.7 inches



E3311 Troutman-Castroviejo Corneal Section Scissors Left

- Miniature model has curved blades with blunt tips.
- Both blades of equal length.
- 13mm from mid-screw to tip.
- Flat serrated handle with Barraquer stop/lock.
- Polished finish.
- Left.
- Overall length: 105mm, 4.1 inches.



*Not Available in Canada

Scissors

Troutman-Castroviejo Corneal Section Scissors

- Miniature model has curved blades with blunt tips.
- Both blades of equal length.
- 13mm from mid-screw to tip.
- Long flat serrated handle with Barraquer stop/lock.
- Polished finish.
- Overall length: 104mm, 4.1 inches.

Catalog #

Jaws

E3307

Left



E3306

Right



ENUCLEATION

E3651 **STORZ® Enucleation Scissors Curved Medium**

- Medium curved, heavy rounded blades with blunt tips.
- 42mm from mid-screw to tip.
- Ring handle.
- Polished finish on blades.
- Overall length: 133mm, 5.3 inches.



E3652 **STORZ® Enucleation Scissors Curved Strong**

- Strongly curved, heavy rounded blades with blunt tips.
- 39mm from mid-screw to tip.
- Ring handle.
- Polished finish on blades.
- Overall length: 131mm, 5.2 inches.



*Not Available in Canada

FOREIGN BODY

Snyder AC Scissors Tip

- These scissors offer excellent control through a small incision and can be used for cutting fine structures including capsule, iris, adhesions and sutures in the anterior chamber.
- Fine tapered and gently curved blades provide precise cutting and can be rotated left or right for enhanced control in the eye.
- The 23 gauge shaft diameter is ideal for entry through a small stab incision or a phaco wound.
- Use with ET8198H StableGrip® Vitreoretinal Handle (sold separately).
- Overall length: 49mm, 1.9 inches.

Catalog #

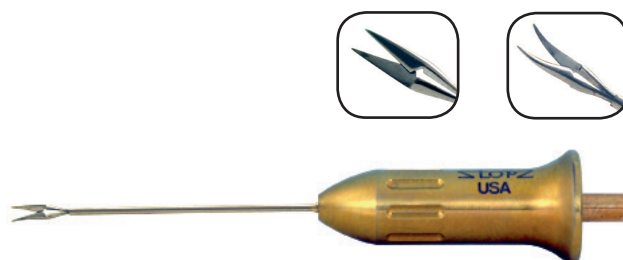
Jaws

ET8306CTL

Curved

ET8306STL

Straight



E3391 STORZ® Intraocular Scissors

- Delicate serrated straight 3mm blades with pointed tips.
- 2mm diameter tubular shaft, 33mm long.
- Serrated squeeze handle with polished finish.
- Supplied with tip guard.
- Overall length: 147mm, 5.8 inches.



INTRAOCULAR LENS

ET1306 Osher IOL Scissors

- The blades of this scissors are narrow and provide ease of entry through the incision.
- Serrations in the blade allow secure cutting of the implant without excessive movement.
- Ideal for acrylic and silicone implants.
- Overall length: 91mm, 3.6 inches.



*Not Available in Canada

Scissors

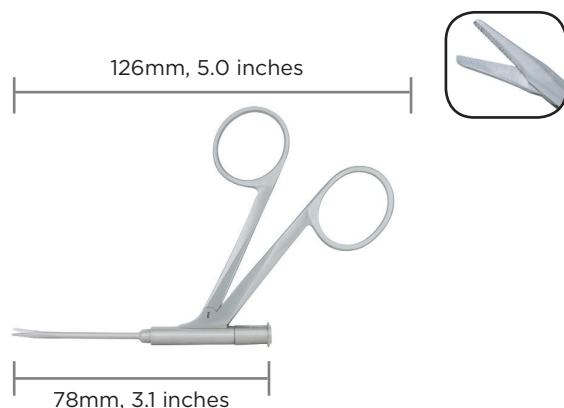
E1961 HAP **Rappazzo Haptic Scissors**

- Designed to cut haptic in preparation for removal of IOL.
- Pointed 1mm blades with guillotine action.
- 1.5mm inner jaw space.
- Short squeeze style handle with dull finish.
- Overall length: 81mm, 3.2 inches.



E1308* **STORZ® IOL Cutter**

- This instrument is designed for use in the explantation of silicone and acrylic IOLs.
- The blades, 6.3mm in length, are configured with a fixed lower blade for insertion under the lens while the upper blade moves to perform the cutting action.
- The serrated edges of the blades are designed to prevent slipping of the IOL during the procedure.
- Shaft diameter is 2.0mm.
- Overall length: 126mm, 5.0 inches.



IRIS

E3366 **Barraquer Iris Scissors**

- Blunt tips.
- 7mm from bend to tip.
- Flat serrated squeeze action handle with polished finish.
- Overall length: 55mm, 2.2 inches.



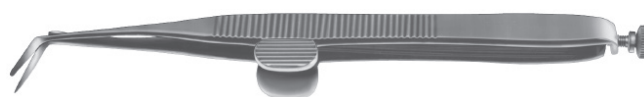
E3349 **Cohan-Vannas Curved Iris Scissors**

- Sharp pointed tips.
- 12mm from mid-screw to tip.
- Flat serrated handle with dull finish.
- Overall length: 57mm, 2.2 inches.



E3360 **DeWecker Iris Scissors**

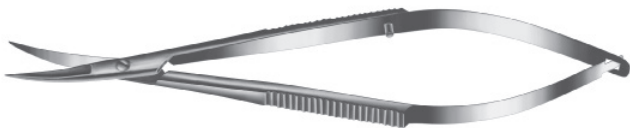
- Blunt and sharp points.
- 12mm from bend to tip.
- Flat serrated squeeze action handle with dull finish.
- Overall length: 113mm, 4.4 inches.



*Not Available in Canada

Iris Scissors Sharp

- Sharp pointed tips.
- 21mm from mid-screw to tip.
- Flat serrated handle with polished finish.
- Overall length: 121mm, 4.8 inches.



Catalog #	Jaws	Overall Length
E3344	Curved	120mm, 4.7 inches
E3343	Straight	116mm, 4.6 inches



E3347 McPherson-Vannas Curved Iris Scissors

- Sharp pointed tips.
- 11mm from mid-screw to tip.
- Flat serrated handle with polished finish.
- Overall length: 83mm, 3.3 inches.



*Not Available in Canada

Scissors

STORZ® Iris Scissors

- Pointed tips.
- Ring handle.
- Polished finish on blades.

Catalog #	Jaws	Mid-Screw to Tip	Overall Length
E3396 I	Straight	20mm	99mm, 3.9 inches
E3400 I	Straight	25mm	108mm, 4.3 inches
E3404	Straight	28mm	100mm, 3.9 inches
E3397 I	Curved	19mm	99mm, 3.9 inches
E3402 I	Curved	24mm	108mm, 4.2 inches
E3405	Curved	28mm	99mm, 3.9 inches
E3408	Light	27mm	99mm, 3.9 inches
E3406	Light	26mm	96mm, 3.8 inches



MISCELLANEOUS

E3243 Clayman Westcott Curved Scissors

- Blunt tips.
- 12mm from mid-screw to tip.
- Smooth handle with dull finish.
- Overall length: 106mm, 4.2 inches.



E3316 STORZ® Westcott Conjunctival Scissors

- Lightly curved blunt tips.
- 16mm from mid-screw to tip.
- Wide serrated handle with polished finish.
- Overall length: 132mm, 5.2 inches.



*Not Available in Canada

E3315 Troutman Curved Conjunctival Scissors

- Blunt tips.
- 17mm from mid-screw to tip.
- Smooth handle with dull finish.
- Overall length: 109mm, 4.3 inches.



RETINAL

ET8218 T L 20 Gauge Curved Scissors

- 20 gauge.
- Allows for delamination of Epiretinal tissue to release traction.
- PVR.
- Use with ET8198H StableGrip® Vitreoretinal Handle (sold separately).
- Overall length: 56mm, 2.2 inches.



ET8216 TL 20 Gauge Vertical Scissors, Low Glare

- 20 gauge.
- Rotatable intraocular vertical scissors with sharp pointed tips and guillotine action, 1mm diameter shaft.
- Facilitates removal of membranes that are causing traction.
- Great for PVR, Tangential traction.
- Use with ET8198H StableGrip® Vitreoretinal Handle (sold separately).
- Overall length: 55mm, 2.2 inches.



StableGrip® Scissors

- Front half colored to indicate tip type.
- Back half colored to indicate gauge.
- Use with ET8198H StableGrip® Vitreoretinal Handle (sold separately).
- Overall length: 56mm, 2.2 inches.



Catalog #	Tip	Gauge	Hub Color	
ET8316	Curved	23	Pink/Green	
ET8516	Curved	25	Pink/Blue	
ET8315	Vertical	23	Gold/Green	
ET8515	Vertical	25	Gold/Blue	

*Not Available in Canada

Scissors

ET8200H **StableGrip® Slimline VR Handle**

- For those who prefer a more slender handle design, the StableGrip® Slimline VR Handle is designed to offer surgeons exquisite control and rotational positioning and is compatible with the Storz® family of vitreoretinal forceps and scissors which are available in 20, 23 and 25 gauge designs.
- Overall length: 104mm, 4.1 inches.



ET8198H **StableGrip® Vitreoretinal Handle**

- Contoured handle is ideal for all StableGrip® vitreoretinal tips.
- Enhanced activation design facilitates smooth and consistent tip closure.
- Fingertip rotation control allows for accurate tip alignment.
- Titanium construction provides balance and tactile control.
- 20 gauge, 23 gauge and 25 gauge forceps and scissors sold separately.
- Overall length: 104mm, 4.1 inches.



STRABISMUS

Knapp Strabismus Scissors

- Rounded blades with blunt tips.
- Ring handle.
- Polished finish on blades.



Catalog #	Jaws	Mid-Screw to Tip	Overall Length
E3577	Curved, light	26mm	119mm, 4.7 inches
E3578	Curved, strong	24mm	117mm, 4.6 inches
E3576	Straight	26mm	119mm, 4.7 inches

*Not Available in Canada

STORZ® Strabismus Scissors

- Rounded blades with blunt tips.
- Ring handle.
- Polished finish on blades.



Catalog #	Jaws	Mid-Screw to Tip	Overall Length
E3571 I	Curved	29mm	113mm, 4.7 inches
E3572 I	Curved, strong	29mm	112mm, 4.4 inches
E3570 I	Straight	30mm	114mm, 4.5 inches



SUTURE STITCH

E3321 MWH Castroviejo Mini Keratoplasty Utility Stitch Scissors

- Very small pointed tips.
- 14mm from mid-screw to tip.
- Wide serrated handle with polished finish.
- Overall length: 129mm, 5.0 inches.



E3580 Littler Curved Dissecting Scissors

- Light curved, blunt tips, rounded blades.
- Eye in blades used in place of an eye probe for drawing sutures or muscle through a tunnel dissection.
- 26mm from mid screw to tip.
- Ring handle.
- Polished finish.
- Overall length: 118mm, 4.7 inches.



Scissors

E3595 | Reeh Stitch Scissors

- Rounded tips, with a very small hook at the end of one blade.
- 20mm from mid-screw to tip.
- Ring handle.
- Pointed finish.
- Overall length: 100mm, 4.0 inches.



E3590 | STORZ® Stitch Scissors Curved

- Sharp pointed tips.
- 20mm from mid-screw to tip.
- Ring handle. Polished finish.
- Overall length: 100mm, 4.0 inches.



E3340 STORZ® Stitch Scissors Fine Straight

- Sharp pointed tips.
- 17mm from mid-screw to tip.
- Flat serrated handle with polished finish.
- Overall length: 111mm, 4.4 inches.



E3340 WH STORZ® Stitch Scissors Fine Straight Wide Handle

- Sharp pointed tips.
- 16mm from mid-screw to tip.
- Wide serrated handle with polished finish.
- Overall length: 131mm, 5.1 inches.



E3592 | STORZ® Stitch Scissors Original

- Sharp pointed tips.
- 23mm from mid-screw to tip.
- Ring handle. Polished finish.
- Overall length: 103mm, 4.1 inches.



*Not Available in Canada

Westcott Type Stitch Scissors

- Sharp pointed tips.
- Polished finish.



Catalog #	Handle	Mid-Screw to tip	Overall Length
E3321	Flat serrated	22mm	121mm, 4.8 inches
E3321 WH	Wide serrated	23mm	140mm, 5.5 inches

TENOTOMY

E3320 RS Shepard-Westcott Curved Tenotomy Scissors

- Right model.
- Westcott blades with blunt tips.
- Upper blade serrated.
- 22mm from mid-screw to tip.
- Flat serrated handle with polished finish.
- Overall length: 120mm, 4.7 inches.



*Not Available in Canada

Scissors

Stevens Tenotomy Scissors

- Blunt tips.
- Ring handle.
- Polished finish on blades.



Catalog #	Blades	Model	Mid-Screw to Tip	Overall Length
E3556 I	Curved	Light	20mm	100mm, 3.9 inches
E3562	Curved	Standard	31mm	114mm, 4.5 inches
E3552 I	Curved	Heavy	21mm	101mm, 4.0 inches
E3554 I	Straight	Light	21mm	101mm, 4.0 inches
E3560	Straight	Standard	30mm	114mm, 4.5 inches
E3550 I	Straight	Heavy	21mm	101mm, 4.0 inches



E3323 R* Westcott Curved Tenotomy Scissors Right Micro

- Rounded Westcott blades with blunt tips.
- 22mm from mid-screw to tip.
- Right. Handle designed after the Stellaris® System handpiece.
- Overall length: 121mm, 4.8 inches.



Westcott Tenotomy Scissors Curved

- Rounded Westcott blades with blunt tips.
- Flat serrated handle with polished finish.



Catalog #	Orientation	Mid-Screw to Tip	Overall Length
E3320 L	Left	23mm	123mm, 4.8 inches
E3320 R	Right	22mm	121mm, 4.8 inches



*Not Available in Canada

E3320 RX **Westcott Tenotomy Scissors Curved Right**

- Right sub-miniature model.
- Rounded Westcott blades with blunt tips.
- 11mm from mid-screw to tip.
- Serrated handle with polished finish.
- Overall length: 90mm, 3.5 inches.



E3320 RWH **Westcott Tenotomy Scissors Curved Right Wide Handle**

- Right model.
- Rounded Westcott blades with blunt tips.
- 23mm from mid-screw to tip.
- Wide serrated handle with polished finish.
- Overall length: 141mm, 5.6 inches.



UTILITY

E3436 **STORZ® Eye Scissors Angled**

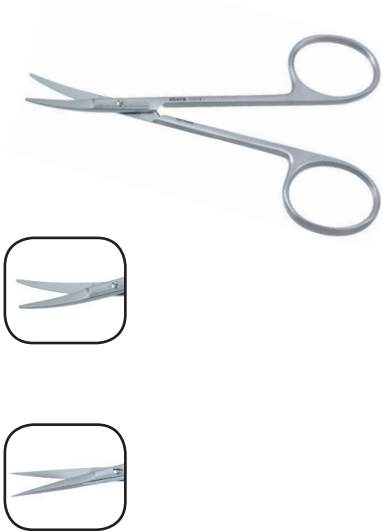
- Blunt probe points and angled shafts.
- 26mm from mid-screw to tip.
- Ring handle.
- Polished finish on blades.
- Overall length: 118mm, 4.7 inches.



STORZ® Eye Scissors

- Ring handle
- Polished finish on blades.

Catalog #	Blades	Tips	Mid-Screw to Tip	Overall Length
E3418 I	Curved	Blunt	30mm	114mm, 4.5 inches
E3412 I	Curved	Pointed	30mm	113mm, 4.5 inches
E3426	Curved	Sharp	30mm	108mm, 4.3 inches
E3416 I	Straight	Blunt	30mm	114mm, 4.5 inches
E3410 I	Straight	Pointed	30mm	114mm, 4.5 inches
E3424	Straight	Sharp	32mm	108mm, 4.3 inches



Tenotomy • Utility

*Not Available in Canada

Scissors

STORZ® Utility Scissors

- Blunt tips.
- Ring handle.
- Polished finish on blades.

Catalog #	Blades	Mid-Screw to Tip	Overall Length
E3585 I	Curved	24mm	105mm, 4.1 inches
E3584 I	Straight	26mm	106mm, 4.2 inches



E3322 Westcott Type Utility Scissors

- Rounded sharp tips.
- 27mm from mid-screw to tip.
- Flat serrated handle.
- Polished finish.
- Overall length: 135mm, 5.3 inches.



E3450 Wilmer Angled Conjunctival and Utility Scissors

- Sharp pointed tips with serrated blades.
- 18mm from mid-screw to tip.
- Ring handle.
- Polished finish on blades.
- Overall length: 92mm, 3.6 inches.



VANNAS

E3390 A Capsule Scissors 10mm Angled Blades

- Delicate 10mm blades angled 45° for performing capsulotomies and snipping capsule tags, iris, and other structures in the anterior chamber.
- Overall length: 109mm, 4.3 inches.



Clayman-Vannas Scissors

- Sharp pointed tips.
- 7mm from mid-screw to tip.
- Smooth handle.
- Polished finish.
- Overall length: 83mm, 3.2 inches.

Catalog #

E3383 C

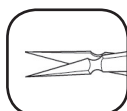
Blades

Curved



E3383 S

Straight



Gills-Welsh Vannas Scissors Micro Angled

- Sharp pointed tips.
- Serrated handle.
- Polished finish.

Catalog #

E3388 GWL

Blade

11mm

Mid-Screw
to Tip

13mm

Overall Length

85mm, 3.4 inches

E3388 GW

5mm

8mm

83mm, 3.3 inches



E3388 Vannas Capsulotomy Scissors Angled

- 6mm blades with sharp pointed tips.
- 9mm from mid-screw to tip.
- Serrated handle.
- Polished finish.
- Overall length: 84mm, 3.3 inches.



E3389 Vannas Capsulotomy Scissors Angled

- 8mm blades with sharp pointed tips.
- 9mm from mid-screw to tip.
- Serrated handle.
- Polished finish.
- Overall length: 85 mm, 3.3 inches.



Vannas

*Not Available in Canada

Scissors

E3387 Vannas Capsulotomy Scissors Curved

- 6mm blades with sharp pointed tips.
- 8mm from mid-screw to tip.
- Serrated handle.
- Polished finish.
- Overall length: 84mm, 3.3 inches.



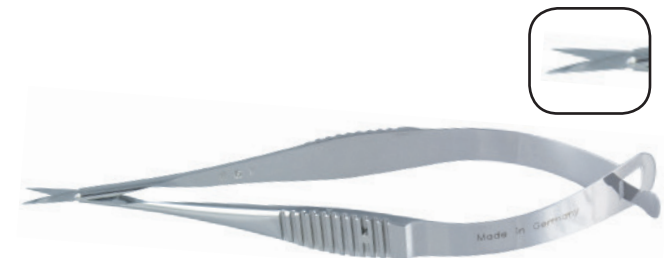
E3387 B Vannas Capsulotomy Scissors Curved Blunt Tips

- 6mm blades with blunt tips.
- 8mm from mid-screw to tip.
- Serrated handle.
- Polished finish.
- Overall length: 84mm, 3.3 inches.



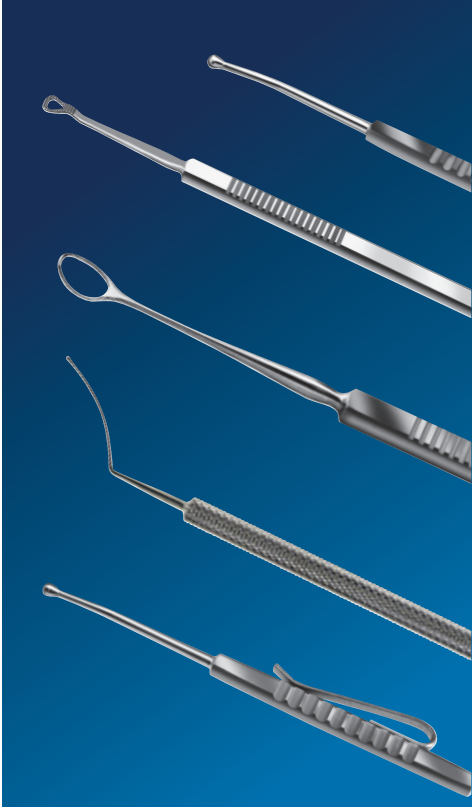
E3386 Vannas Capsulotomy Scissors Straight

- 6mm blades with sharp pointed tips.
- 8mm from mid-screw to tip.
- Serrated handle.
- Polished finish.
- Overall length: 84mm, 3.3 inches.



*Not Available in Canada

SCLERAL DEPRESSORS



Scleral Depressors

E5107 Flynn Scleral Depressor

- Lens loop style tip excellent for depressing pediatric sclera.
- Flat serrated handle.
- Polished finish.
- Overall length: 80mm, 3.2 inches.



E5109 O'Connor Scleral Depressor-Marker

- 3mm teardrop shaped end and 1.5mm Gass marker end.
- Flat, serrated handle.
- Polished finish.
- Overall length: 133mm, 5.2 inches.



E5100 10 Schepens Scleral Depressor Medium

- Polished depressor with 8mm wide tip.
- Dull finished thimble.
- Size 10, medium thimble.
- Overall length: 43mm, 1.7 inches.



E5108 Schocket Double Ended Scleral Depressor

- Double-end depressor and marker.
- Rounded end designed for depressing sclera and curved marking end for reaching behind the globe.
- 6mm wide bar and 2.5mm teardrop shape tips.
- Overall length: 134mm, 5.3 inches.



E5112 Spaide Pediatric Scleral Depressor

- Tip curved to fit the globe of an infant.
- Serrated surface grasps the conjunctiva to rotate the eye in any direction.
- The tip of the foot is used to depress the sclera.
- Flat serrated handle.
- Dull finish.
- Overall length: 125mm, 4.9 inches.

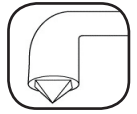


*Not Available in Canada

Scleral Depressors

E5106 **Urretts-Zavalía Depressor and Fixation Pick**

- Depressor has sufficient sharpness to permit the rotation of the globe during examination.
- Flat serrated handle
- Polished finish.
- Overall length: 123mm, 4.8 inches.



E5105 **Wilder Scleral Depressor**

- 2.5mm diameter x 15mm long angled tip.
- Flat serrated handle with pocket clip.
- Polished finish.
- Overall length: 125mm, 4.9 inches.

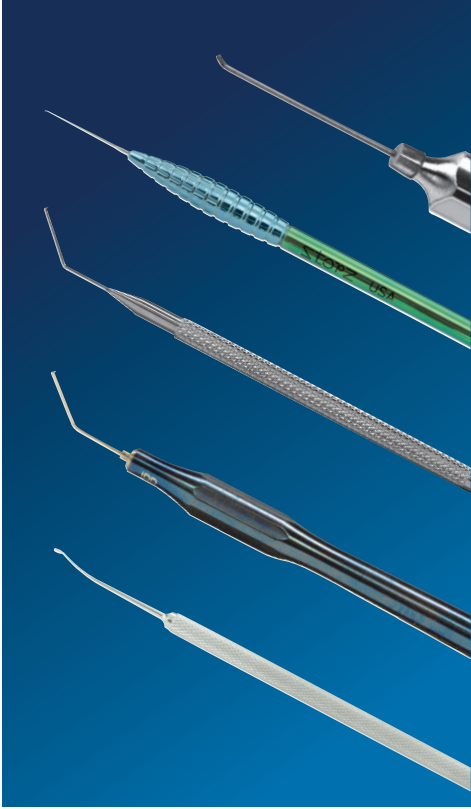


E6004* **Gonzalez Choroidal Hematoma Depressor**

- This instrument allows for drainage of the suprachoroidal space from a pars plan incision.
- It can drain serous or hemorrhagic fluid.
- Overall length: 99mm, 3.9 inches.



SCRAPERS



Scrapers

E3141* **John DMEK Scroller**

- Designed to be used to create an initial 360-degree circular scoring of the peripheral, donor Descemet's membrane (DM).
- The donor cornea is placed on the staging area of the DMEK Base and the scroller is used after staining the donor DM.
- Overall length: 119mm, 4.7 inches.



E0508 **Kratz Capsule Scraper Sandblasted Tip**

- Sandblasted tip.
- 23 gauge cannula with 1mm angled tip.
- Polished finish.
- Overall length excluding hub: 21mm, 0.8 inches.



E9106* **MacRae Ingrowth Scraper**

- At times it is necessary to remove epithelial cells from the interface of a lasik flap.
- The fine semi-sharp paddle tip is designed to easily insert into the interface and scrape the epithelial cells and debris from the interface.
- The angled shaft allows this instrument to be used in the operating room or at the slit lamp.
- Overall Length: 119mm, 4.7 inches.



E3123 **Terry Scraper Irrigating**

- Used with irrigation to stabilize the anterior chamber while gently roughening the inner stromal surface of the cornea in preparation for the graft in the DSEK procedure.
- Overall length: 111mm, 4.4 inches.



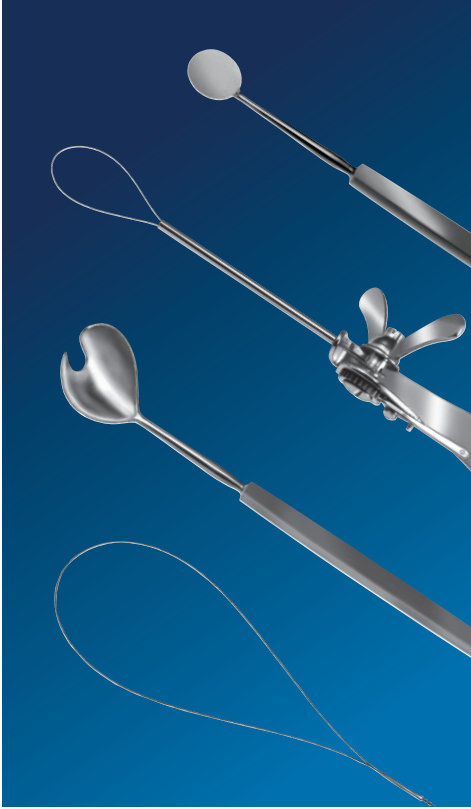
E3124 **Terry Scraper Non-Irrigating**

- Used to gently roughen the inner stromal surface of the cornea in preparation for the graft in the DSEK procedure.
- Overall length: 115mm, 4.5 inches.



*Not Available in Canada

SNARES, SPOONS



Snare / Spoons

E3740 Bunge Evisceration Spoon

- Flat smooth handle with polished finish.
- Spoon diameter 12mm.
- Overall length: 138mm, 5.4 inches.



E3742 Bunge Evisceration Spoon

- Flat smooth handle with polished finish.
- Spoon diameter 8mm.
- Overall length: 133mm, 5.2 inches.



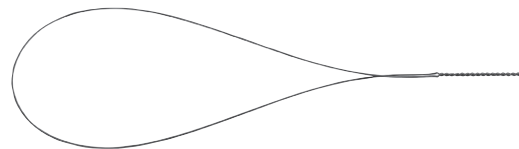
E3670 Foster Enucleation Snare

- Designed to be used only with the E3671 Twisted Snare Wires.
- The wire is drawn in by turning the wing nut and the loop can be stopped at any point.
- Wire is held by ratchet so that the loop can be slipped down the nerve before enucleation.
- Polished finish.
- Comes with one package of E3671 Twisted Snare Wires.
- Overall length: 146mm, 5.7 inches.



E3671 STORZ® Twisted Snare Wire

- Designed for use with Foster Enucleation Snare (E3670).
- Package of 12 stainless steel wires.
- Overall length: 130mm, 5.1 inches.

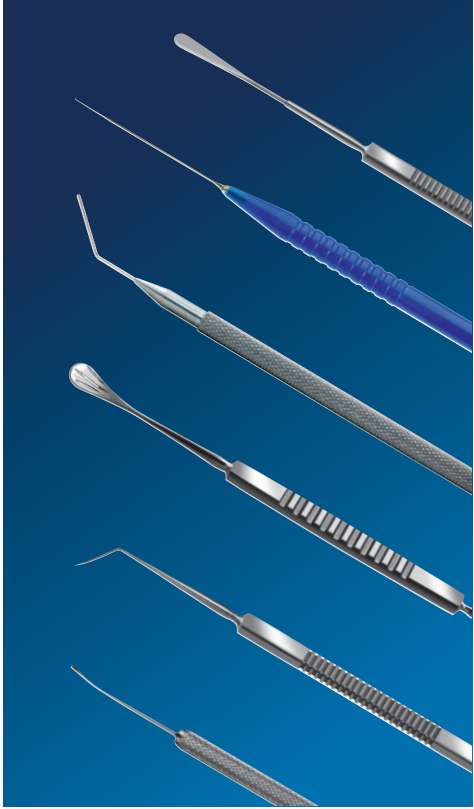


E3720 Wells Enucleation Spoon

- 21mm wide, curved spoon with 5mm by 10mm notch.
- Flat smooth handle with polished finish.
- Overall length: 144mm, 5.7 inches.



*Not Available in Canada



SPATULAS, PICKS

Corneal..... 242

Cyclodialysis..... 243

Iris..... 244

Lasik 245

Phaco 247

Picks 249



Spatulas, Picks

CORNEAL

E2040 **Carlson DSEK Smoother**

- The ball shaped tip of this instrument is designed to press on the corneal surface after the graft is implanted to remove fluid between the recipient bed and the DSEK graft.
- Overall length: 122mm, 4.8 inches.



E3125 **Cindy Sweeper for DSEK**

- Designed for a smooth glide across corneal surface to smooth out interface between stromal surface and the DSEK graft.
- Overall length: 112mm, 4.4 inches.



E3128* **Fogla DM Stripping Hook**

- This instrument is designed for removing unhealthy Descemet's Membrane (DM) during DSEK, DSAEK and DMEK surgery.
- It features a round, ball-shaped tip bent upwards at a 90° angle.
- The tip is designed to prevent damage to corneal stromal fibers when pressed against the cornea to break DM.
- In addition, the instrument is designed to ensure the inner surface of the cornea remains smooth during this process thus allowing proper positioning of donor tissue and minimizing the chance of donor detachment.
- Overall length: 114.3 mm, 4.5 inches.



E0479 **Fogla Trifacet Spatula**

- The trifacet design of this instrument, with its blunt tip, permits introduction into the space between Descemet's membrane and the corneal stroma following the formation of the "big bubble" in DALK.
- The anterior stroma can then be incised over the sharp edge of the spatula in order to enlarge the opening without damaging Descemet's membrane.
- Overall length: 121mm, 4.8 inches.



*Not Available in Canada

Spatulas, Picks

E3147* **John DMEK Dexatome**

- The special curvature and the unique tip design of this Dexatome allow for contact in almost all regions of the recipient, inner, corneal dome to achieve smooth, circumferential Descemetorrhexis followed by DM removal as a single disc.
- Overall length: 114mm, 4.5 inches.



E3142* **John DMEK Separator**

- This uniquely designed instrument facilitates the initial separation of the peripheral, donor Descemet's membrane (DM) following the scoring with the scroller.
- Overall length: 114mm, 4.5 inches.



E3143* **John DMEK Smoother**

- One of the difficult steps in DMEK is proper centration of the donor Descemet's membrane (DM) to the recipient, inner, corneal surface.
- The spherical, highly polished ball is designed to facilitate moving the donor DM to any desired position within the patient's anterior chamber.
- Additionally, it can also be used to help unfold the DM, and smooth the donor-recipient interface.
- Overall length: 117mm, 4.6 inches.



E3122 **Nick Pick #2**

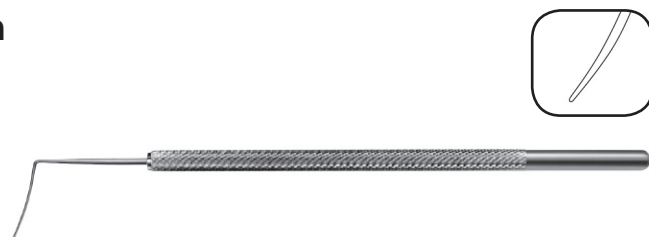
- Used to aid in positioning the donor corneal tissue.
- Overall length: 115mm, 4.5 inches.



CYCLODIALYSIS

E0484 **Barraquer Cyclodialysis Spatula**

- 0.5mm x 15mm angled round blade with smoothly pointed tip and gently curved blade.
- Round knurled handle with polished finish.
- Overall length: 120mm, 4.7 inches.

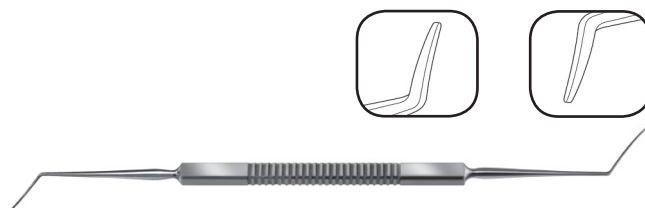


*Not Available in Canada

Spatulas, Picks

E0489 Castroviejo Cyclodialysis Spatula

- Double ended with 0.5 x 10mm and 0.5 x 15mm blades.
- Both blades gently curved.
- Square serrated handle with polished finish.
- Overall length: 138mm, 5.4 inches.



E0488 Elschmig Cyclodialysis Spatula

- 11mm angled tip with gently curved blade.
- Flat serrated handle with polished finish.
- Overall length: 130mm, 5.1 inches.



IRIS

Barraquer Iris Spatula

- Angled tip with gently curved blade.
- Short hexagonal handle with polished finish.
- Overall length: 90mm, 3.5 inches.

Catalog #

E0485

E0485 .25

Tip

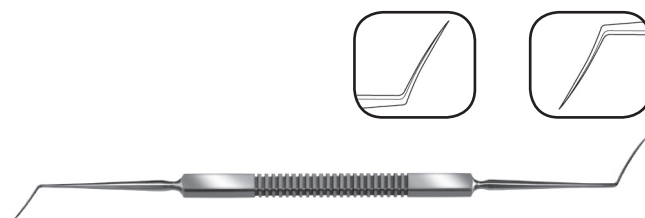
0.5mm x 15mm

0.25mm x 15mm



E0474 Castroviejo Synechia Spatula

- Double ended with 0.5mm by 10mm and 0.5mm by 15mm blades.
- Both ends are sharp with gently curved blades.
- Square serrated handle with polished finish.
- Overall length: 139mm, 5.5 inches.



*Not Available in Canada

Spatulas, Picks

E0485 C Cleasby Iris Spatula

- 12mm angled tip with gently curved blade.
- Short hexagonal handle with polished finish.
- Overall length: 90mm, 3.5 inches.



E0704 Culler Iris Spatula

- 1mm wide by 28mm long sterling silver blade.
- Flat serrated handle with polished finish.
- Overall length: 128mm, 5.0 inches.



E0700 Iris Spatula

- 2mm wide by 33mm long sterling silver blade.
- Flat serrated handle with polished finish.
- Overall length: 136mm, 5.4 inches.



E0706 Iris Spatula

- 1mm wide by 30mm long malleable blade.
- Flat serrated handle with polished finish.
- Overall length: 130mm, 5.1 inches.



LASIK

E0640 Cohen LASIK Relift Tool

- This double-ended instrument was designed for flap relift during LASIK surgery.
- The sharp edge of one end is utilized for initiating the LASIK flap relift.
- The other end offers a spatula designed for extending the initial relift.
- Overall length: 122mm, 4.8 inches.



Spatulas, Picks

E9111* **Groden LASIK Spatula**

- A modification to the Slade Spatula (E0622) with a flattened tip designed to ease placement under the corneal flap and for manipulation of the corneal flap.
- Overall Length: 119mm, 4.7 inches.



E1091 **Kimura Platinum Spatula**

- 4mm wide by 17.5mm flat platinum spatula on 34mm shaft.
- Flat serrated handle with polished finish.
- Overall length: 149mm, 5.9 inches.



E9103* **MacRae Flap Flipper**

- Has a V curved tip with sharp inner edges designed to allow separating the flap edge and minimize issues associated with edge lifting.
- The curvature allows ergonomic rotation around the flap. The opposite end is a thin smooth spatula designed to separate the flap in a lamellar fashion to reduce vertical torque.
- The spatula is designed to avoid flap tears for sub 100 micron Thin Flap or SubBowman's Keratomileusis.
- Overall length 127mm, 5.0 inches.



E9110* **MacRae LASIK Flap Spatula**

- This double-ended instrument is a multi-use tool for LASIK procedures.
- The small, blunt tip is designed to separate the stromal layer.
- The second tip features a long, horizontal tip designed to aid in lifting the corneal flap during the procedure.
- Overall length: 132mm, 5.2 inches.



*Not Available in Canada

Spatulas, Picks

E9102* **MacRae Thin Flap LASIK Spatula**

- This double-ended instrument was designed to place a minimal amount of vertical stress when separating the stromal lamellae after creating a femtosecond bubble layer in LASIK surgery.
- The spatula end of the instrument features a thin spatula design to minimize the risk of catching the edge of the corneal flap. In addition, the smooth, shallow curved spatula is designed for a smooth lamellar dissection.
- The opposite end of the instrument features a smooth, blunt tip that is thinner than similar instruments ;and designed to reduce the potential for impact to stromal layer.
- Overall length 132mm, 5.2 inches.



E3046 **Paton Spatula**

- 6mm wide by 15mm long thin blade with three grooves.
- 2mm wide by 31mm blade with last 7mm angle tip.
- Flat serrated handle with polished finish.
- Overall length: 143mm, 5.6 inches.



E0622 **Slade Refractive Spatula**

- Smooth, blunt round spatula for manipulation of the corneal flap.
- Ideal for placement under the flap to expose the stromal interface.
- Overall length: 121mm, 4.8 inches.



PHACO

E0481 **Clayman Spatula**

- 0.5mm x 10mm angled blade with blunt tip.
- Flat smooth handle with polished finish.
- Overall length: 128mm, 5.0 inches.



*Not Available in Canada

Spatulas, Picks

E0730 Johnson Spatula

- Ideal for bimanual phaco procedure.
- 0.25mm by 10mm long blade.
- Round knurled handle with polished finish.
- Overall length: 105mm, 4.1 inches.



E0707 Knolle Lens Nucleus Spatula and Anterior Chamber Gauge

- Flat curved 1mm spatula blade 30mm long with marks at 5mm, 6mm, and 7mm from tip.
- Polished finish.
- Round knurled handle.
- Overall length: 126mm, 5.0 inches.



E0712 Koch Phacoemulsification Spatula

- Duckbilled spatula designed to enter a side-port stab incision with tip broad enough to efficiently manipulate the lens nucleus in the anterior chamber.
- Spatula is useful for rotating and cracking the nucleus.
- Round knurled handle.
- Overall length: 117mm, 4.6 inches.



Maumenee-Barraquer Vitreous Sweep Spatula

- 10mm angled tip with indentation on side and gently curved blade.
- Round knurled handle with polished finish.
- Overall length: 119mm, 4.7 inches.



Catalog #

Indentation

E0487 M

Left

E0486 M

Right

*Not Available in Canada

Spatulas, Picks

SUF03* Phaco Spatula



- This instrument features an 11.0mm spatula tip designed for nucleus manipulation.
- Overall length: 118mm, 4.7 inches.



PICKS

Membrane Pick 130°



- Features a shaft with a non-glare finish.
- 130° angled tip.
- Overall length: 136mm, 5.4 inches.



Catalog #	Gauge
SUK01*	23
SUK02*	25

Fekrat Retinal Pick

- Improves the ability to engage and lift PVR membranes in eyes with recurrent retinal detachment and PVR membranes.
- The angled pick, with a pyramid-shaped tip and slightly blunt nose, improves the ease of navigation in the eye.
- The tip design allows for the better initiation of the edge of a membrane while avoiding nicks.
- Designed for use in performing an Epi-retinal Membrane during a vitrectomy procedure.
- Overall length: 124mm, 4.9 inches.

Catalog #	Gauge
E6000*	23
E6001*	25



Spatulas, Picks

Gonzalez ILM Splitter

- Rounded surface helps move tip of the pick away from the retina, thereby preventing retina damage and reducing trauma as a result of continued pressure from forceps re-grasping the ILM.
- Pick tip is designed to elevate the ILM once opened with a forceps. The rounded surface can then be slid gently on the surface of the retina to cut the membrane.
- Overall length: 124mm, 4.9 inches.

Catalog #	Gauge
E6002*	23
E6003*	25



Olk Angled Retinal Pick

- 0.5mm angled tip.
- Round knurled handle with dull finish.
- Overall length: 125mm, 4.9 inches.

Catalog #	Tip Angle
E0608	110°
E0616	130°
E0609	150°



SPECULA

Adjustable 252

Locking 256

Wire 257



ADJUSTABLE

E4118 T Aspiration Tubing for Speculum

- Replacement aspiration tubing for E4067.
- Packaged each.



Castroviejo Speculum

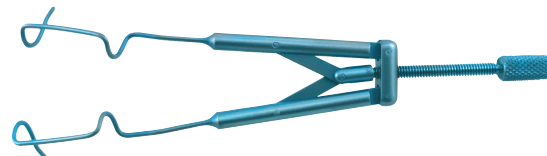
- Fenestrated blades with screw-controlled spread.
- Dull finish.
- Overall length: 75mm, 3.0 inches.

Catalog #	Blades	Blade Spread	Overall Length
E4040	15mm	30mm	78mm, 3.1 inches
E4041	16mm	31mm	88mm, 3.5 inches



ET4077 Devgan-Lieberman Lid Speculum

- This lid speculum is configured to provide retraction of the lids with adjustments over the bridge of the nose, freeing the temporal region at the incision from obstruction.
- The screw-type adjustment provides a variable degree of lid exposure for all patient types and the thin, wire arms are designed to be unobtrusive, allowing drapes to tuck into the conjunctival fornices.
- Overall length: 86mm, 3.4 inches.



SUH04* Eye Speculum



- Adjustable eye speculum.



52000S Eye Speculum Adjustable with Aspiration



- Adjustable eye speculum with aspiration.



*Not Available in Canada

E4122 Kavanagh Reversible Speculum

- The arms of this adjustable speculum are angled 45° to allow the speculum to be used in a temporal or traditional approach to the globe.
- Solid 15mm blades guard against lashes entering the field and provide excellent exposure of the anterior surface of the eye.
- The speculum offers a near parallel opening which allow for adequate exposure and optimal patient comfort.
- Positive screw adjustment system ensures secure retraction of the lids and is useful in tight lid cases.
- Overall length: 77mm, 3.0 inches.



E7165 Lieberman Comfort Speculum

- Adjustable wire speculum with 16mm curved blades.
- Curved blade designed to provide patient comfort by reducing pressure on the globe.
- Open wire anterior blade portion provides less obstruction to instrumentation during procedure.
- Overall length: 84mm, 3.3 inches.



E7165 A Lieberman Comfort Speculum Angled

- Adjustable wire speculum with 16mm curved blades.
- Curved blade designed to provide patient comfort by reducing pressure on the globe.
- Open wire anterior blade portion provides less obstruction to instrumentation during procedure.
- Overall length: 81mm, 3.2 inches.



E4065 Lieberman Speculum

- Adjustable wire speculum with 17mm open blades.
- Lid tension adjustable throughout procedure with thumb screw control.
- Straight shaft.
- Overall length: 90mm, 3.5 inches.



E4065 A Lieberman Speculum Angled

- Adjustable wire speculum with 17mm open blades.
- Lid tension adjustable throughout procedure with thumb screw control.
- Angled 45°.
- Overall length: 86mm, 3.4 inches.



Adjustable

*Not Available in Canada

Specula

E4065AS* **Lieberman Speculum Angled Solid Blade**

- Adjustable solid blade speculum with 17mm blades designed to retract the lids and hold back the lashes during the procedure.
- Lid tension is adjustable throughout the procedure with thumb screw control.
- The 45° angle of the speculum places it out of the way when used for a temporal approach.
- Overall length: 84mm, 3.3 inches.



ET4065 **Lieberman Speculum Angled Titanium**

- Adjustable wire speculum with 17mm open blades.
- Lid tension adjustable throughout procedure with thumb screw control.
- Shaft angled 45°.
- Titanium.
- Overall length: 94mm, 3.7 inches.



E4067 **Lindstrom Eye Speculum Aspirating**

- This adjustable lid speculum is angled 45° and has 17mm wire blades.
- It was designed to aspirate excess fluid around the eye during cataract and refractive procedures.
- Replacement tubing E4118 T.
- Overall length: 87mm, 3.4 inches.



E4113 **Maloney Non-Aspirating Lid Speculum**

- Adjustable lid speculum with 14mm blades.
- Miniature frame ideal for deep set eyes and small orbital structures.
- Overall length: 83mm, 3.3 inches.



Adjustable

*Not Available in Canada

E4053* **Nichamin Locking Lid Speculum**

- Adjustable locking lid speculum with heavy wire blade design for secure retraction of the lids during anterior segment procedures.
- The curved blade under the lid is designed to provide patient comfort while reducing IOP.
- The open wire anterior blade portion provides less obstruction to instrumentation during the procedure.
- Blade width 16mm.
- Overall Length: 97mm, 3.8 inches.



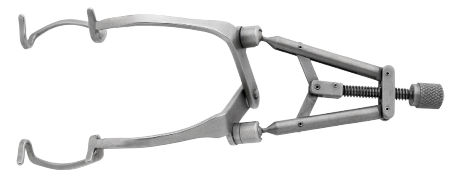
E4054 R **Seibel 3-D Lid Speculum**

- Swivel-locking screw mechanism rotates up for ease of adjustment and rotates out of the way during surgery. Solid blades contour to the surface of the eye during phacoemulsification or microkeratome suction ring placement.
- Unique pivot axis allows blades to gently support lids through an anatomically correct arc of motion.
- Overall length: 101mm, 4.0 inches.



E4075 RC* **Seibel 3-D Lid Speculum Ribbon Blade Compact**

- Swivel-locking screw mechanism rotates up for ease of adjustment and rotates out of the way during surgery.
- Ribbon blades contour to the surface of the eye during phacoemulsification or microkeratome suction ring placement.
- Unique pivot axis allows blades to gently support lids through an anatomically correct arc of motion.
- Blade configuration is designed for smaller deep-set eyes.
- Overall length: 97mm, 3.8 inches.



ET4121 **Shepard Reversible Speculum**

- Solid blade speculum designed for both temporal and superior approach ocular surgery.
- Adjustable with thumb screw.
- Titanium.
- Overall length: 80mm, 3.2 inches.



Adjustable

*Not Available in Canada

LOCKING

Cook Eye Speculum

- Solid blades with locking mechanism.
- Dull finish.
- Overall length: 52mm, 2.0 inches.



Catalog #	Model	Blades	Blade Spread	Overall Length
E4080	Infant	7mm	24mm	52mm, 2.0 inches
E4082	Pediatric	10mm	22mm	55mm, 2.2 inches

E4058 Keizer-Lancaster Eye Speculum

- Solid 15mm blades with 8mm narrowed portion.
- Screw-controlled locking mechanism with stabilizing disk.
- Blade spread: 30mm.
- Dull finish.
- Overall length: 82mm, 3.2 inches.



E4056 Lancaster Eye Speculum

- Spring-controlled spread of blades with locking mechanism.
- Dull finish.
- Blades: 15mm.
- Blade spread: 41mm.
- Overall length: 69mm, 2.7 inches.



E4007 Maumenee-Park Speculum

- Solid 14mm blades and canthus bar.
- Adjustable blade locking screws on outside of branches.
- Blade spread 36mm.
- Dull finish.
- Overall length: 80mm, 3.1 inches.



E4006 Maumenee-Park Speculum Fenestrated

- Fenestrated 14mm blades and canthus bar.
- Adjustable blade locking screws on outside of branches.
- Blade spread 36mm.
- Dull finish.
- Overall length: 80mm, 3.1 inches.



*Not Available in Canada

E4086 **McKinney Eye Speculum**

- Solid 15mm blades.
- Self-locking mechanism.
- Blade spread: 31mm.
- Dull finish.
- Overall length: 59mm, 2.4 inches.



E4073 **Mellinger Eye Speculum**

- Solid 16mm blades.
- Self-locking mechanism.
- Blade spread: 27mm.
- Dull finish.
- Overall length: 69mm, 2.7 inches



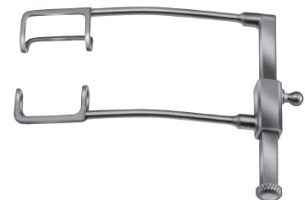
E4072 **Mellinger Eye Speculum Fenestrated**

- Fenestrated 17mm blades.
- Self-locking mechanism.
- Blade spread: 27mm.
- Dull finish.
- Overall length: 66mm, 2.6 inches.



E4094 **Murdoch Eye Speculum**

- Fenestrated 14mm blades.
- Self-locking mechanism.
- Blade spread: 24mm.
- Dull finish.
- Overall length: 57mm, 2.2 inches.



E4111 **Saunders Eye Speculum Premature Infant**

- Solid 4mm blades.
- Locking thumb screw.
- Blade spread: 14mm.
- Dull finish.
- Holes in bar decrease weight of speculum.
- Overall length: 35mm, 1.4 inches.



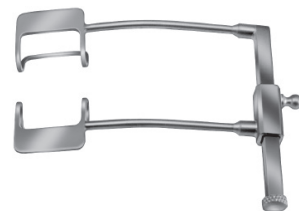
Locking

*Not Available in Canada

Specula

E4100 Wiener Eye Speculum

- Fenestrated 14mm blades.
- Wide extension of blade for protection of lids.
- Self-locking mechanism.
- Blade spread: 23mm.
- Dull finish.
- Overall length: 55mm, 2.2 inches.



Williams Eye Speculum

- Spring-controlled spread of blades with locking mechanism.
- Dull finish.

Catalog #	Model	Blades	Blade Spread	Overall Length
E4051	Pediatric	11mm	41mm	69mm, 2.7 inches
E4050	Adult	14mm	52mm	86mm, 3.4 inches



WIRE

E4112 Alfonso Eye Speculum Newborn

- Open 5mm interlocking blades.
- Blade spread: 27mm.
- Dull finish.
- Overall length: 46mm, 1.8 inches.



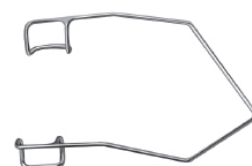
E4107 Barraquer Eye Speculum Pediatric

- Wire 11mm blades.
- Blade spread: 20mm.
- Dull finish.
- Overall length: 33mm, 1.3 inches.



E4107 P Barraquer Eye Speculum Pediatric

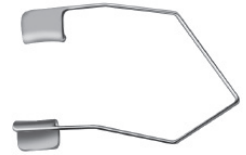
- Closed wire 5mm blade.
- Overall length: 27mm, 1.1 inches.



*Not Available in Canada

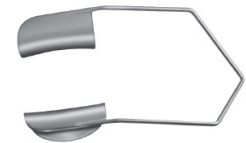
E4107 PS Barraquer Eye Speculum Pediatric

- 6mm solid blade speculum for newborn or pediatric use.
- Overall length: 30mm, 1.2 inches.



E4106 S Barraquer Eye Speculum

- Solid 14mm blades.
- Blade spread: 18mm.
- Dull finish.
- Overall length: 41mm, 1.6 inches.



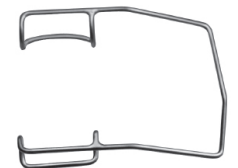
E4106 Barraquer Eye Speculum

- Wire 14mm blades.
- Blade spread: 18mm.
- Dull finish.
- Overall length: 38mm, 1.5 inches.



E4106 H Barraquer Eye Speculum

- 15mm blades of heavy 1mm wire.
- Blade spread: 20mm.
- Dull finish.
- Overall length: 38mm, 1.5 inches.



SUH01* Barraquer Lid Speculum



- Wire speculum with closed valves.
- 14mm blade length.

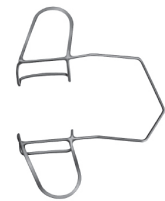


Wire

*Not Available in Canada

E4108 **Floyd-Barraquer Eye Speculum**

- Open 14mm blades with 6mm lifting wings.
- Blade spread: 18mm.
- Dull finish.
- Overall length: 40mm, 1.6 inches.



E4064 **Knapp Eye Speculum**

- Open 13mm blades.
- Screw-controlled locking mechanism.
- Blade spread: 60mm.
- Dull finish.
- Overall length: 85mm, 3.3 inches.



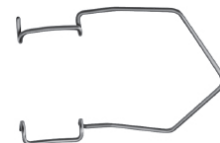
E4106 K **Kratz-Barraquer Eye Speculum**

- Open 14mm blades.
- Blade spread: 19mm.
- Dull finish.
- Overall length: 37mm, 1.5 inches.



E4107 K **Kratz-Barraquer Eye Speculum Pediatric**

- Open 11mm blades.
- Blade spread: 20mm.
- Dull finish.
- Overall length: 31mm, 1.2 inches.



E4106 N **Kratz-Nichamin Speculum**

- Open wire style 16mm blade with a wing tip twist giving the surgeon better on-axis accessibility.
- Overall length: 46mm, 1.8 inches.



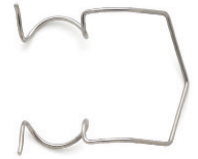
E4105 **Lehner Temporal Speculum**

- Angled upward 45° for temporal approach.
- Open 14mm blades.
- Blade spread: 20mm.
- Overall length: 39mm, 1.6 inches.



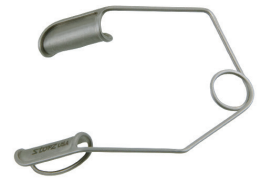
E4055 Nichamin Wire Speculum Open

- Heavy gauge, open wire speculum is useful for temporal approach procedures.
- Blade width is 14mm.
- Overall length: 38mm, 1.5 inches.



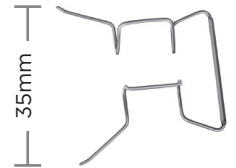
E4121* Paly 1/2 n 1/2 Eye Speculum

- The Paly 1/2 n 1/2 Eye Speculum is designed for the balance of surgeon's needs and patient comfort.
- The half wire, half solid blade offers the advantage of a wire speculum's minimal material between the globe and the lid, but spreads out forces on the lid margin and contains eyelashes.
- A spring feature provides balanced tension to hold the eye open but can be overcome to avoid increased ocular pressure caused when a patient fights a standard speculum.
- Overall length 41 mm, 1.6 inches.



E4109 Pierse Eye Speculum

- Open 12mm blades.
- Blade spread: 20mm.
- Polished finish.
- Overall length: 31mm, 1.2 inches.



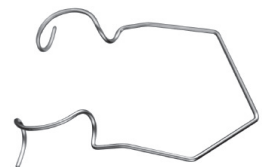
E4110 Sauer Eye Speculum Infant

- Solid 8mm blades.
- Blade spread; 20mm.
- Dull finish.
- Overall length: 35mm, 1.4 inches.



E4106 KT Temporal Approach Lid Speculum - Open Blade

- Angled for temporal approach.
- Open 14mm rounded blades for patient comfort.
- Blade spread: 18mm.
- Dull finish.
- Overall length: 41mm, 1.6 inches.

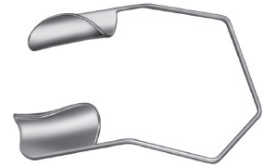


Wire

*Not Available in Canada

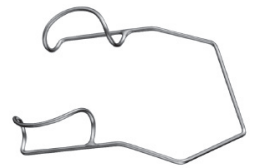
E4106 ST **Temporal Approach Lid Speculum Solid Blade**

- Angled for temporal approach.
- Solid 14mm blades.
- Blade spread: 18mm.
- Dull finish.
- Overall length: 41mm, 1.6 inches.

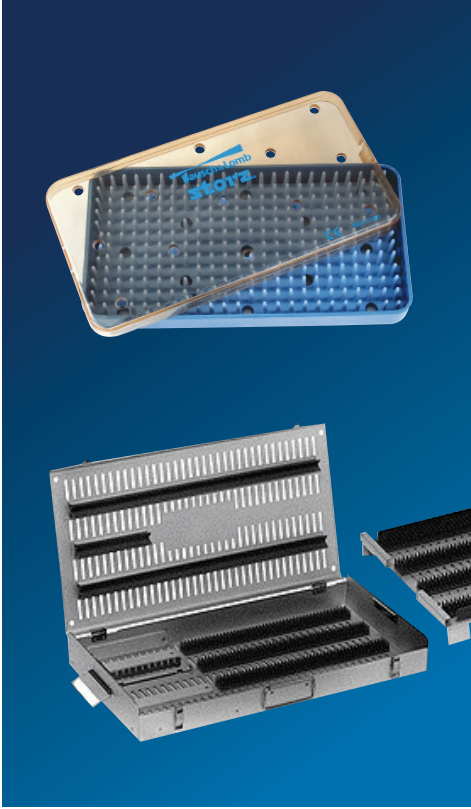


E4106 T **Temporal Approach Lid Speculum Wire Blade**

- Angled for temporal approach.
- Wire 15mm rounded blades for patient comfort.
- Blade spread: 18mm.
- Dull finish.
- Overall length: 39mm, 1.5 inches.



STERILIZATION TRAYS



Sterilization Trays

E7419 H Microsurgical Cannula Bar

- Fits into all Storz® Ophthalmics metal sterilizing trays.
- Silicone support for 10 cannulas.
- Anodized aluminum.
- Durable and lightweight with built-in protection against rust.
- Sturdy, long wearing, riveted hinges.
- Overall length: 144mm, 5.7 inches.
- Capacity: 10 cannulas.



E7407 Microsurgical Diamond Knife Tray

- Diamond knife tray with silicone inserts to securely hold the diamond knife.
- Dimensions: 5.84 x 16.00cm; 2.3 x 6.3 inches.
- Capacity: 2 knives.



E7416 1 Microsurgical Instrument Tray

- Storage in bottom of tray for bipolar cords, I/A accessories, etc.
- Anodized aluminum.
- Durable and lightweight with built-in protection against rust.
- Security locks ensure against accidental opening.
- Silicone matting/V-strips and bumper guards hold instruments in place.
- Sturdy, long wearing, riveted hinges.
- Dimensions: 20.95 x 20.95 x 4.45cm; 8.0 x 8.0 x 1.75 inches.
- Capacity: 15 instruments.



E7415 Microsurgical Instrument Tray

- Single layer of matting and V strips with space in lower portion for bipolar cords, I/A accessories, etc.
- Anodized aluminum.
- Durable and lightweight with built-in protection against rust.
- Security locks ensure against accidental opening.
- Silicone matting/V-strips and bumper guards hold instruments in place.
- Sturdy, long wearing, riveted hinges.
- Dimensions: 20.95 x 33.65 x 4.45cm; 8.0 x 13.0 x 1.75 inches.
- Capacity: 20-25 instruments.



*Not Available in Canada

Sterilization Trays

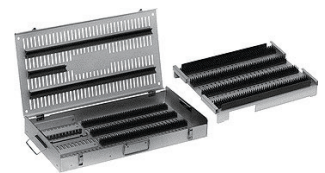
E7416 2 Microsurgical Instrument Tray

- Double layer accommodates twice the instruments as the single layer tray.
- Anodized aluminum.
- Durable and lightweight with built-in protection against rust.
- Security locks ensure against accidental opening.
- Silicone matting/V-strips and bumper guards hold instruments in place.
- Sturdy, long wearing, riveted hinges.
- Dimensions: 20.95 x 20.95 x 4.45cm; 8.0 x 8.0 x 1.75 inches.
- Capacity: 30 instruments.



E7414 Microsurgical Instrument Tray

- Complete with E7419 H Cannula bar and compartment for sterilization of bipolar cords, I/A accessories, etc.
- Anodized aluminum.
- Durable and lightweight with built-in protection against rust.
- Security locks ensure against accidental opening.
- Silicone matting/V-strips and bumper guards hold instruments in place.
- Sturdy, long wearing, riveted hinges.
- Dimensions: 26.7 x 50.8 x 6.35cm; 10.5 x 20 x 2.5 inches.
- Capacity: 50-60 instruments.



E7418 Microsurgical Instrument Tray

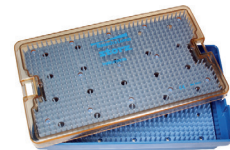
- Double layer accommodates twice the instruments as the single layer tray.
- Anodized aluminum.
- Durable and lightweight with built-in protection against rust.
- Security locks ensure against accidental opening.
- Silicone matting/V-strips and bumper guards hold instruments in place.
- Sturdy, long wearing, riveted hinges.
- Dimensions: 26.67 x 33.65 x 4.45cm; 10.5 x 13.25 x 1.75 inches.
- Capacity 50-60 instruments.



Sterilization Trays

E7411 Microsurgical Instrument Tray Double Layer

- Double layer sterilizable plastic tray with silicone matting on both layers for supporting and protecting instruments.
- Dimensions: 15.24 x 25.4 x 4.83cm; 6.0 x 10.0 x 1.9 inches.
- Capacity: 20-30 instruments.



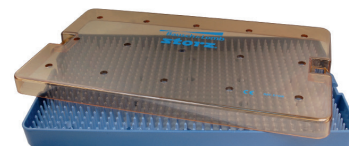
E7409 Microsurgical Instrument Tray

- Sterilizable plastic tray with silicone matting for supporting and protecting instruments.
- Dimensions: 7.62 x 15.24 x 2.54cm; 3.0 x 6.0 x 1.0 inches.
- Capacity: 4-7 instruments.



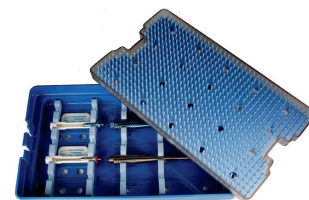
E7406 Microsurgical Instrument Tray

- Sterilizable plastic tray with silicone matting for supporting and protecting instruments.
- Dimensions: 16.24 x 25.4 x 2.54cm; 6.0 x 10.0 x 1.0 inches.
- Capacity: 10-20 instruments.



E7421 Microsurgical Retina Instrument Tray

- This double layer sterilization tray securely holds retinal handles and tips in bottom layer.
- The top layer can be used to hold up to 15 additional instruments.
- Plastic tray with silicone matting on both layers for supporting and protecting instruments.
- Dimensions: 15.24 x 25.4 x 4.83cm; 6.0 x 10.0 x 1.9 inches.
- Capacity: 5 Handles, 5 Tips, up to 10-15 additional instruments.



TONOMETERS



Tonometers

E5755 Allen-Schioetz Tonometer

- German manufactured original model each individually certified by Gulden Testing Station.
- Stainless steel construction with etched scale for ease of reading.
- Plunger retractor retracts plunger when tonometer is lifted off the eye.
- Supplied with leatherette case, tables, zero test block and 7.5 gram, 10 gram, and 15 gram weights.
- Polished finish.
- Overall length: 126mm, 5.0 inches.



E5754 STORZ® Schioetz Tonometer

- Individually certified by Gulden Testing Station.
- Stainless steel construction with etched scale for ease of reading.
- Supplied with leatherette case, tables, zero test block, and 5.5 gram, 7.5 gram, 10 gram, and 15 gram weights.
- Polished finish.
- Overall length: 126mm, 5.0 inches.



E5754 I Tonometer Sterilization Tray

- Anodized aluminum tray with nylon inserts.
- Two pins for extra weights and hole for zero test block.
- Dull finish.
- Size: 147 x 94 x 48mm, 5.8 x 3.7 x 1.7 inches.



E5754 C Tonometer Weight

- 10.0 gram weight for E5754 and E5755 tonometers.
- Polished finish.



E5754 D Tonometer Weight

- 5.5 gram weight for E5754 tonometer.
- Polished finish.



E5754 B Tonometer Weight

- Designed for use with E5754 and E5755 tonometers.
- Polished finish.



*Not Available in Canada

TREPHINES, PUNCHES



Trephines, Punches

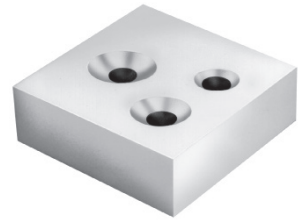
E3097 BP **Base Plug**

- For Universal Trephine Handle with Cottingham Punch (E3097) and Cottingham Punch with Universal Blade Holder (E3098).
- 14mm in diameter, 8mm height.



E3067 **Brightbill Corneal Cutting Block**

- Incorporates three wells of various sizes with red 8mm centering dot: Small, 15mm diameter; Medium, 16.5mm diameter; Large, 18.0mm diameter.
- Wells on each side for added instrument life.
- Size 52 x 52 x 19mm, 2 x 2 x 0.75 inches.



E3054 B **Cutting Blocks for Iowa Press**

- Special cutting blocks designed for use with the E3054 Iowa P.K.
- Press Punch.
- Teflon.



E3054 **Iowa P.K. Press Punch**

- Designed for precise punching of the donor corneal button.
- Blade holder is designed for use with the E3050 series disposable trephine blades.
- Unique two color cutting block aids in centration of the donor tissue.
- Recessed base assures that the block is held centrally under the trephine blade.
- Supplied with two cutting blocks (E3054 B).



*Not Available in Canada

Trephines, Punches

E3150* **John DMEK Base**

- Base designed to hold cutting block in place and acts as a central staging area for the instrument set.
- Designed to be heavy to keep the cutting block from moving.
- The initial scoring of the donor DM is done on the surface of this DMEK Base.



E3145* **John DMEK Cutting Block**

- The unique design of differing diameter twin-wells with central colored disc, blends form with optimal function.
- The smaller well is the site for donor Descemet's membrane (DM) removal, followed by gentle immersion into the adjacent larger well containing cell stain solution.
- The circular rim of the larger well allows for dye dilution with BSS while preventing any significant contact of the DM to the Weck-Cel sponge.
- This block is housed within the John DMEK base for added stability.
- Overall length: 57mm, 2.25 inches.



E3066 **Kaufmann Corneal Cutting Block**

- Teflon block with metal cover.
- Supplied with two replaceable base plugs (E3068).
- Overall height 45mm, 1.8 inches.



E3068 **Plug Base Extra for E3066**

- Plug replacement for E3066.



E2798 **Kelly Descemet's Membrane Punch**

- Designed to produce a clean 0.75mm round hole without tissue tags.
- Serrated squeeze action handle.
- Overall length: 130mm, 5.1 inches.



Trephines, Punches

E2797* **STORZ® Glaucoma Punch**

- 0.9mm micro punch tip with bullet shaped tip for ease of insertion.
- The cutting tip can be rotated for ideal positioning.
- The popular titanium squeeze handle is excellent for light weight control and finger-tip positioning of the instrument tip.
- Overall length: 136mm, 5.3 inches.



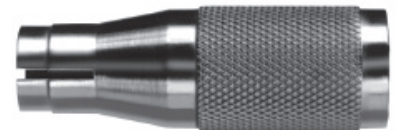
E3095 **STORZ® Universal Trephine Handle**

- Round knurled handle with adjustable finger-like tips that rest in the grooved disposable trephine blades.
- Used with E3096 Series Disposable Trephine Blades.
- Polished finish.
- Overall length: 49mm, 1.9 inches.



E3050 H **Universal Handle for Blades**

- Designed for use with the E3050 series Tanne Disposable Trephine Blades.
- Overall length: 60mm, 2.4 inches.



E3097 **Universal Trephine Handle with Cottingham Punch**

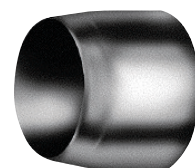
- Metal punch with universal style handle.
- Uses E3096 Series STORZ® Corneal Transplant Trephine Blades.
- Supplied with two replaceable base plugs (E3097 BP).
- Dull finish.
- Overall length: 60mm, 2.4 inches.



*Not Available in Canada

TREPHINE BLADES

STORZ® Trephine Blades



- Designed for use with:
 - E3094 Series Castroviejo Corneal Transplant Trephine
 - E3095 STORZ® Universal Trephine Handle
 - E3097 STORZ® Universal Trephine Handle with Cottingham Punch.
- Dull finish.
- Overall length: 9mm, 0.4 inches.

Catalog #	Blades	Catalog #	Blades
E3096 6.00	6.00mm	E3096 8.00	8.00mm
E3096 6.50	6.50mm	E3096 8.25	8.25mm
E3096 6.75	6.75mm	E3096 8.50	8.50mm
E3096 7.00	7.00mm	E3096 8.75	8.75mm
E3096 7.25	7.25mm	E3096 9.00	9.00mm
E3096 7.50	7.50mm	E3096 9.25	9.25mm
E3096 7.75	7.75mm	E3096 9.50	9.50mm

STORZ® Trephine Blades Long



- Freehand trephine blade.
- Dull finish.
- Overall length: 15mm, 0.6 inches.

Catalog #	Blades	Catalog #	Blades
E3096L 7.00	7.00mm	E3096L 8.50	8.50mm
E3096L 7.25	7.25mm	E3096L 8.75*	8.75mm
E3096L 7.50	7.50mm	E3096L 9.00	9.00mm
E3096L 7.75	7.75mm	E3096L 9.25*	9.25mm
E3096L 8.00	8.00mm	E3096L 9.50*	9.50mm
E3096L 8.25*	8.25mm		

*Not Available in Canada

Trephines, Punches

Tanne Universal Trephine Blades

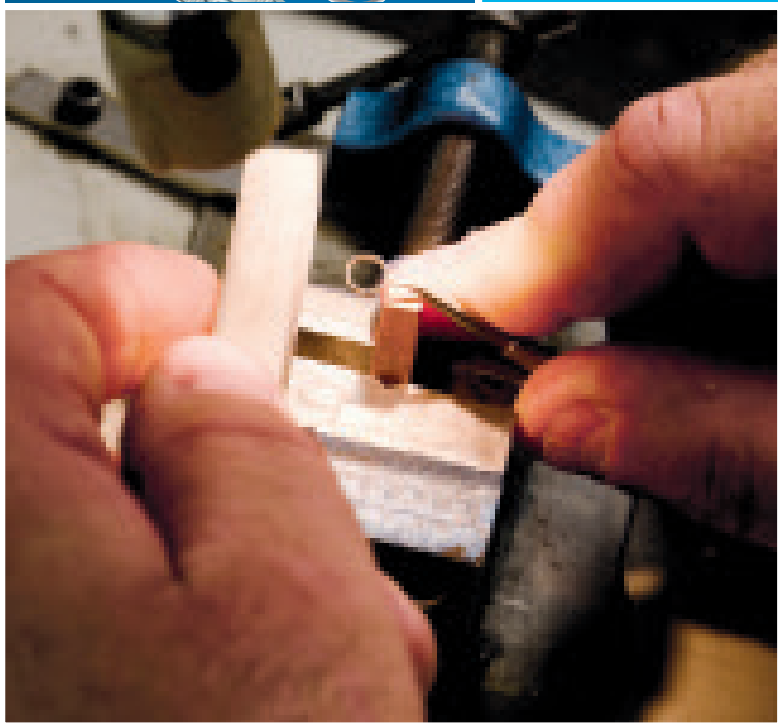
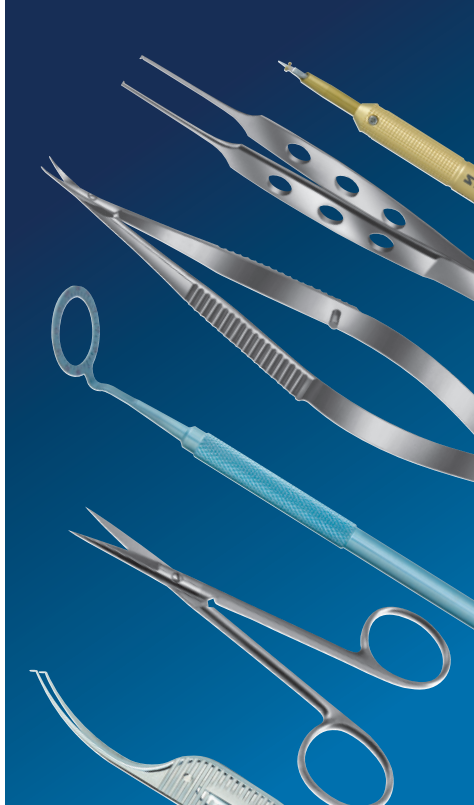


- A unique universal hub diameter with varying blade edge diameter provides an easier, more secure means of mounting the blade to the handle.
- Designed for use with: E3054 Iowa P.K. Press Punch.
- Overall length: 17mm, 0.7 inches.



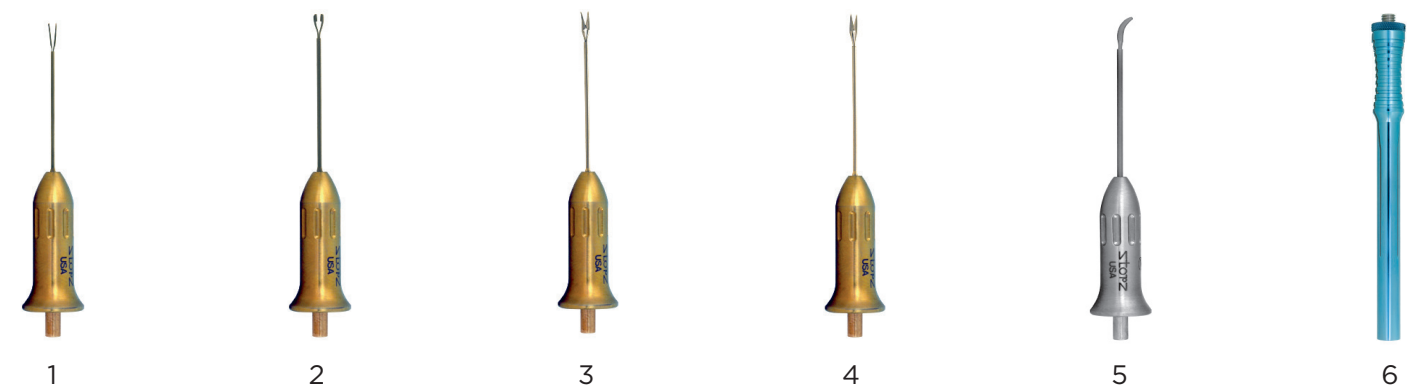
Catalog #	Blades	Catalog #	Blades
E3050 6.00	6.00mm	E3050 8.00	8.00mm
E3050 6.25	6.25mm	E3050 8.25	8.25mm
E3050 6.50	6.50mm	E3050 8.50	8.50mm
E3050 6.75	6.75mm	E3050 8.75	8.75mm
E3050 7.00	7.00mm	E3050 9.00	9.00mm
E3050 7.25	7.25mm	E3050 9.25	9.25mm
E3050 7.50	7.50mm	E3050 9.50	9.50mm
E3050 7.75	7.75mm		

INSTRUMENT SETS BY PROCEDURE



Anterior Segment Repair	276
Astigmatism: LRI	277
Astigmatism: Nichamin LRI	278
Astigmatism: Wallace LRI	278
Astigmatism: Toric Lens Procedures	278
Basic Eye: Building Block For Any Ophthalmic Procedure.....	279
Cataract: Basic	280
Crystalens® IOL.....	281
Femtosecond Cataract	282
Phaco: Chop	283
Phaco: Prechop	284
Phaco: Divide/Conquer.....	285
Phaco: Flip	286
Phaco: Bimanual/Biaxial.....	287
Phaco: MICS 1.8mm Coaxial	288
Cornea: Penetrating Keratoplasty	289
Cornea: John DMEK	290
Cornea: DMEK	290
Cornea: DSEK	291
Cornea: DALK	292
Enucleation.....	293
Foreign Body Removal	294
Glaucoma	295
Implant Removal	296
LASIK/LASEK	296
Muscle.....	297
Office Instruments	298
Scleral Buckling	299
Vitreoretinal: 20 Gauge	300
Vitreoretinal: 23 Gauge	301
Vitreoretinal: 25 Gauge.....	302

ANTERIOR SEGMENT REPAIR



Catalog #	Description
1. ET1789CTL	Snyder 23 Gauge Suturing Forceps Curved
2. ET1789STL	Snyder 23 Gauge Forceps
3. ET8306CTL	Snyder AC Scissors Tip Curved

Catalog #	Description
4. ET8306STL	Snyder AC Scissors Tip Straight
5. ET3584TL	Snyder 20 Gauge Needle Holder Tip
6. ET8198H	StableGrip® Vitreoretinal Handle

Instrument Sets BY PROCEDURE

ASTIGMATISM: LRI



Catalog #	Description
1. 6-700	Maloney Keratometer
2. 9-729	Axis Marker
3. E0117	Anderson Step Diamond Knife
4. E0123	Nichamin LRI Diamond Knife
5. E0124	Donnenfeld LRI Diamond Knife
6. E0126	Wallace LRI Diamond Knife
7. E0127*	Oyakawa LRI Diamond Knife
8. E2421	Mendez Degree Gauge

Catalog #	Description
9. E2427	Whitman Double-Ended LRI Marker
10. E7409	Microsurgical Instrument Tray Plastic 3 x 6 Inches
11. E9012	Nichamin Fixation Degree Gauge
12. ET2423*	Nichamin Degree Gauge
13. ET2425	Wallace Mendez Degree Gauge
14. ET3199	Colibri Forceps 0.12mm

*Not Available in Canada

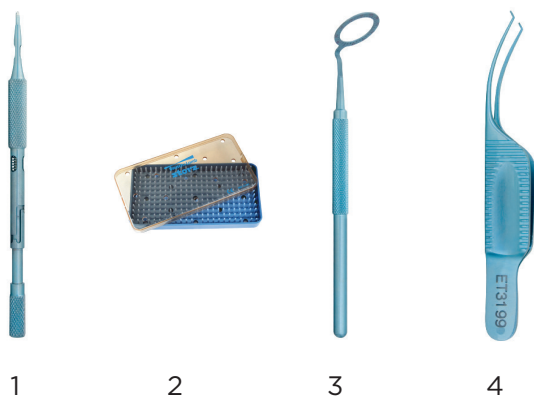
Instrument Sets BY PROCEDURE

ASTIGMATISM: NICHAMIN LRI



Catalog #	Description
1. 9-729	Axis Marker
2. E2421	Mendez Degree Gauge
3. E2432	Nichamin Double-Ended LRI/Toric Gauge
4. ET2423*	Nichamin Degree Gauge
5. E0123	Nichamin LRI Diamond Knife

ASTIGMATISM: WALLACE LRI



Catalog #	Description
1. E0126	Wallace LRI Diamond Knife
2. E7409	Microsurgical Instrument Tray Plastic 3 x 6 Inches
3. ET2425	Wallace Mendez Degree Gauge
4. ET3199	Colibri Forceps 0.12mm

ASTIGMATISM: TORIC LENS PROCEDURES

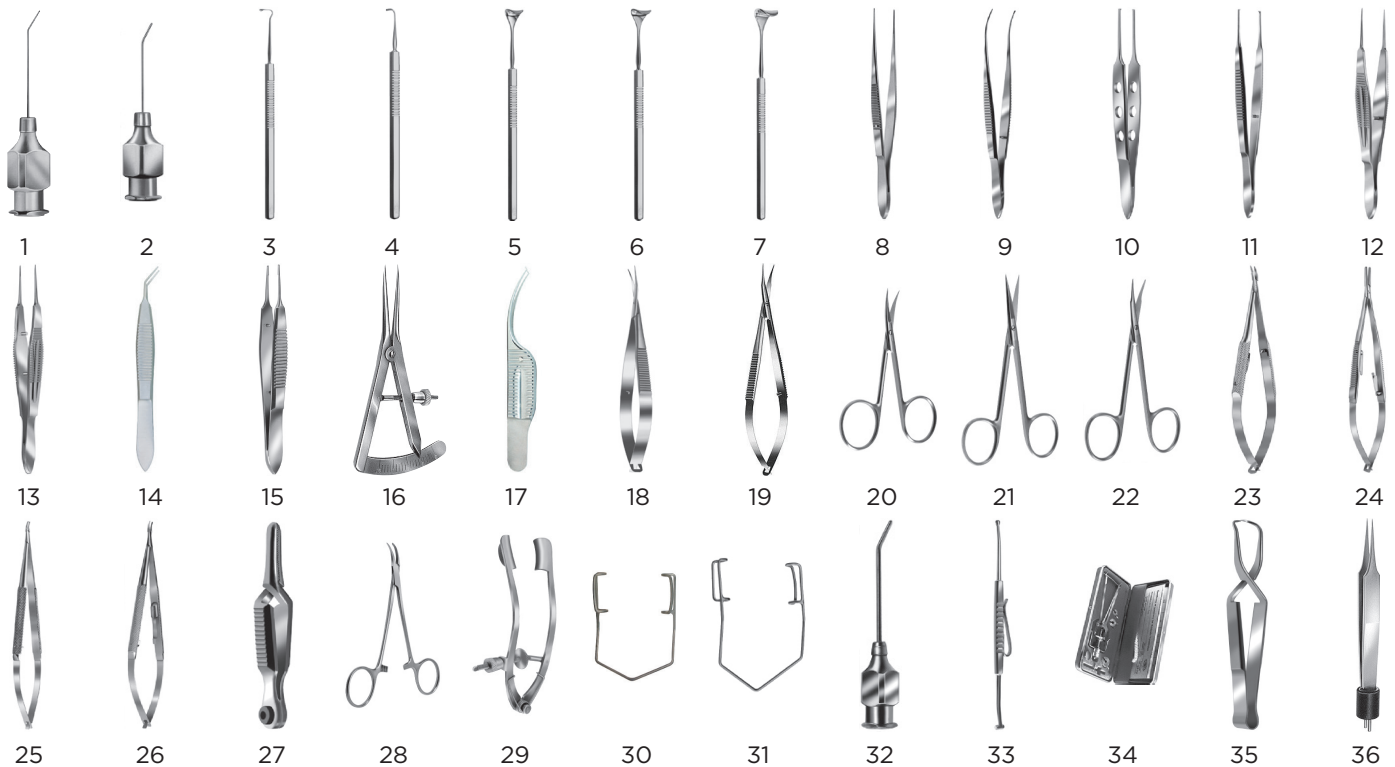


Catalog #	Description
1. E2427	Whitman Double-Ended LRI Marker
2. E2430	Whitman Axis Marker
3. E2431	Toric Bubble Marker
4. E2432	Nichamin Double-Ended LRI/Toric Gauge

*Not Available in Canada

Instrument Sets BY PROCEDURE

BASIC EYE: BUILDING BLOCK FOR ANY OPHTHALMIC PROCEDURE



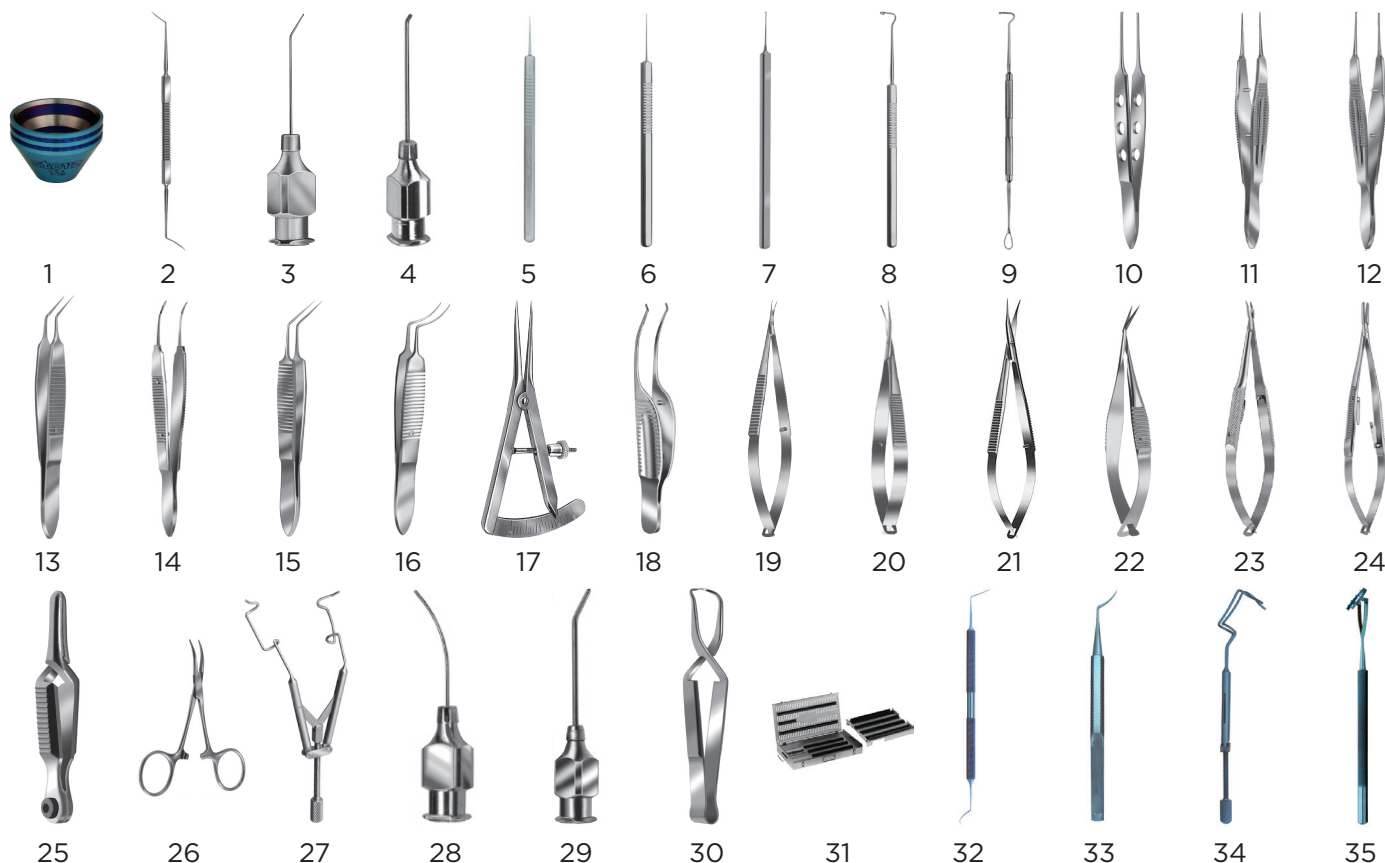
Catalog #	Description
1. E0499 27	Air Injection Cannula, 27 Gauge
2. E0499 30	Air Injection Cannula, 30 Gauge
3. E0586 S	Jameson Muscle Hook -Small
4. E0600	Stevens Curved Tenotomy Hook
5. E0980	Desmarres Lid Retractor, Size 0
6. E0981	Desmarres Lid Retractor, Size 1
7. E0982	Desmarres Lid Retractor, Size 2
8. E1400	Straight Dressing Forceps With Serrations Delicate
9. E1416	Bracken Curved Iris Forceps
10. E1500	Bishop-Harmon Tissue Forceps Fine Straight
11. E1654	Lester Fixation Forceps 1 x 2
12. E1793 US	Castroviejo Fixation Forceps 0.3mm
13. E1796	Castroviejo Suturing Forceps 0.12mm
14. E1815 AKUS	Kelman-McPherson Tying Forceps Angled
15. E1815 S	McPherson Tying Forceps Straight
16. E2404	Castroviejo Caliper
17. E3199 US	Troutman-Barraquer Corneal Utility Forceps Colibri Style 0.12mm
18. E3320 R	Westcott Curved Tenotomy Scissors, Right

Catalog #	Description
19. E3321	Westcott Type Stitch Scissors
20. E3405	STORZ® Curved Iris Scissors
21. E3424	STORZ® Straight Eye Scissors
22. E3562	Stevens Curved Tenotomy Scissors
23. E3828 CW	Barraquer Needle Holder, Curved with Lock
24. E3850	Castroviejo Needle Holder, Straight with Lock
25. E3885	STORZ® Needle Holder, Curved without Lock
26. E3885 WL	STORZ® Needle Holder, Curved with Lock
27. E3900	STORZ® Serrefine
28. E3922	Halstead Curved Hemostatic Mosquito Forceps
29. E4056	Lancaster Eye Speculum
30. E4106	Barraquer Eye Speculum, Wire Blade
31. E4107	Barraquer Eye Speculum, Pediatric
32. E4922	Bishop-Harmon Irrigating Cannula
33. E5108	Schocket Double Ended Scleral Depressor
34. E5754	STORZ® Schioetz Tonometer
35. E6774	Schaedel Towel Clamp
36. S2050 1	Jeweler Type Bipolar Forceps

*Not Available in Canada

Instrument Sets BY PROCEDURE

CATARACT: BASIC



Catalog #	Description	Catalog #	Description
1. 6-700	Maloney Keratometer	18. E3191	Troutman-Barraquer Corneal Utility Forceps Colibri Style 0.3mm
2. E0474	Castroviejo Double Ended Synechia Spatula	19. E3218 MM	Castroviejo Mini Corneal Scissors
3. E0499 27	Air Injection Cannula, 27 Gauge	20. E3320 R	Westcott Curved Tenotomy Scissors, Right
4. E0508	Kratz Capsule Scraper, Sandblasted tip	21. E3321	Westcott Type Stitch Scissors
5. E0527*	Devgan Intraocular Suturing Hook	22. E3388 GWL	Gills-Welsh Angled Vannas Micro Scissors
6. E0545	Sinskey Iris and IOL Hook	23. E3828 CW	Barraquer Needle Holder, Curved with Lock
7. E0567	Kuglen Iris Hook and Lens Manipulator	24. E3850	Castroviejo Needle Holder, Straight with Lock
8. E0586	Jameson Muscle Hook	25. E3900	STORZ® Serrefine
9. E1238	Kirby Expressor Hook and Loop Double Ended	26. E3916	Hartman Curved Hemostatic Mosquito Forceps
10. E1500	Bishop-Harmon Tissue Forceps Fine Straight	27. E4065 A	Lieberman Speculum
11. E1796	Castroviejo Suturing Forceps 0.12mm	28. E4419	Kellan Hydrodissection Cannula
12. E1798 US	Castroviejo Suturing Forceps 0.5mm	29. E4922	Bishop-Harmon Irrigating Cannula
13. E1815 AB	Bechert-McPherson Tying Forceps Angled	30. E6774	Schaedel Towel Clamp
14. E1888 C	Harms-Tubingen Tying Forceps Curved	31. E7414	Microsurgical Instrument Tray 50-60 Instruments
15. E2002	Utrata Capsulorhexis Forceps	32. ET0703	Devgan Universal Cataract Chopper/ Multi-Tool
16. E2002 C	Lehner-Utrata Capsulorhexis Forceps	33. ET2012	Devgan Micro Capsulorhexis Forceps
17. E2404	Castroviejo Caliper	34. ET4077	Devgan-Lieberman Temporal Approach Lid Speculum
		35. ET9044	Devgan-Seibel Fixation Ring

*Not Available in Canada

Instrument Sets BY PROCEDURE

CRYSTALENS® IOL



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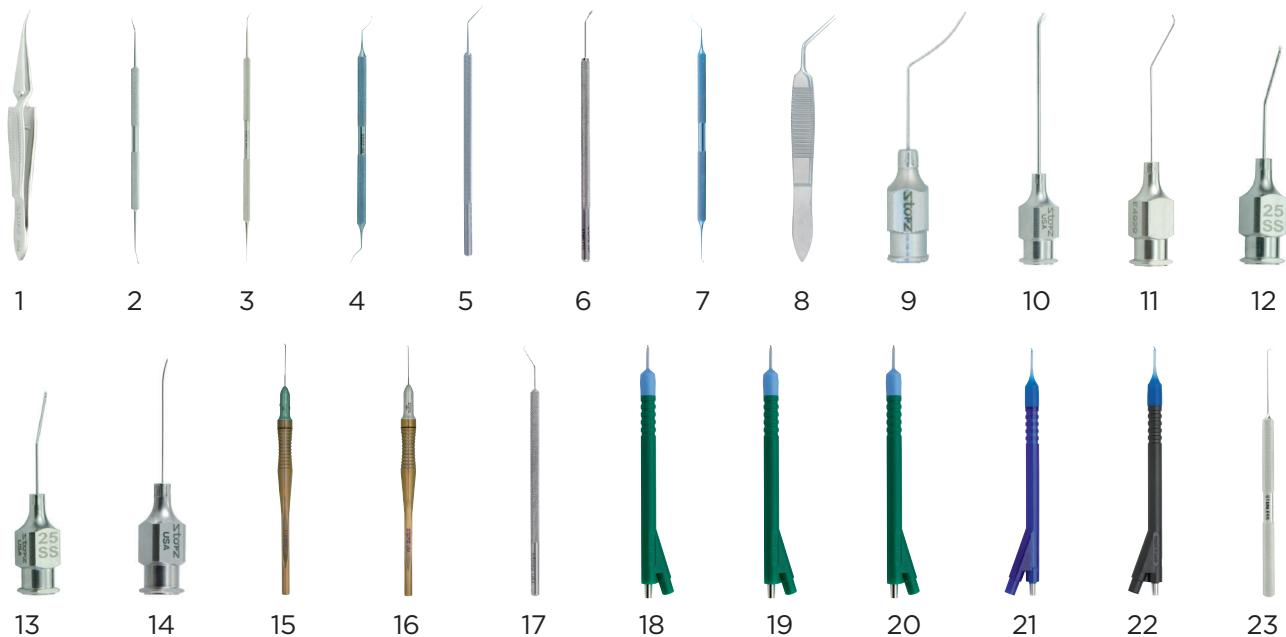
Catalog #	Description
1. 85910S	CapsuleGuard® I/A Handpiece Millennium®/ Other Systems
2. 85910ST	CapsuleGuard® I/A Handpiece Stellaris® System
3. E0103 E	Trifacet Diamond Knife
4. E0126	Wallace LRI Diamond Knife
5. E0523	Whitman Shepherd Double-Ended Capsule Polisher

Catalog #	Description
6. E0130 2.8	Profile Angled Diamond Keratome 2.8mm
7. E0529	Lindstrom Lens Positioner
8. E1815 A	McPherson Tying Forceps Angled
9. E2026*	Silverstein MICS 1.8mm Capsulorhexis Forceps
10. E9036	Wallace Capsulorhexis Gauge 6.0mm
11. ET2425	Wallace Mendez Degree Gauge
12. ET3199	Colibri Forceps 0.12mm

*Not Available in Canada

Instrument Sets BY PROCEDURE

FEMTOSECOND CATARACT



Catalog #	Description
1. E1789	Hu Femto Incision Spreader
2. E2998	Daya Femto Incision Separator
3. E3002	Ang Femtocataract Corneal Dissector
4. ET2997	Osher Double-Ended Femto Wound Dissector
5. E0478	Slade Laser LRI Dissector
6. E2999	Weinstock Wound Dissector
7. ET1106	Tran Femto Ergo Chopper
8. E2002 M	Utrata Capsule Cap Removal Forceps
9. E4421 H27	Nichamin Hydrodissection Cannula 27g
10. E4940	Hu Femto Hydrodissection Cannula
11. E4929	Daya Femto Trans-Lens Hydro Cannula
12. E4905	Wortz 25g Femto Visco Dissector Cannula

Catalog #	Description
13. E4910	McCabe 25g Femto Visco Paddle Cannula
14. E4902	Wortz Femto Wound Hydration Cannula
15. E0740	Slade Vertical Nucleus Cracker
16. E0741	Slade Coaxial Chopper
17. E0651	Hu Femto Side-Port Chopper
18. SUP03	ZeroPhaco™ I/A Handpiece 30° Standard
19. SUP04	ZeroPhaco™ I/A Handpiece 30° 2.2mm Incision Other Systems
20. SUP04ST	ZeroPhaco™ I/A Handpiece 30°
21. 85910S	I/A Handpiece
22. 85910ST	CapsuleGuard® I/A Handpiece Stellaris® System 45°
23. E0645	Hu Capsule Polisher

*Not Available in Canada

Instrument Sets BY PROCEDURE

PHACO: CHOP



Catalog #	Description	Catalog #	Description
1. 6-250	Sinsky Hook II Titanium	18. E3320 R	Westcott Curved Tenotomy Scissors, Right
2. 6-700	Maloney Keratometer	19. E3321	Westcott Type Stitch Scissors
3. 85910S	CapsuleGuard® I/A Handpiece MICS Millennium®/Other Systems	20. E4106 K	Kratz-Barraquer Eye Speculum
4. 85910ST	CapsuleGuard® I/A Handpiece MICS Stellaris® Systems	21. E4106 N	Kratz-Nichamin Speculum
5. E0104 ACC2.5	Angled Diamond Keratome 2.5mm	22. E4107 K	Kratz-Barraquer Eye Speculum Pediatric
6. E0104 ACC3.0	Angled Diamond Keratome 3.0mm	23. E4413 BAR*	Barrett 25 Gauge Hydrodelineation Cannula
7. E0108 LS	Osher Trifacet Tunnel Diamond Knife With Footplate	24. E4419	Kellan Hydrodissection Cannula
8. E0499 30	Air Injection Cannula, 30 Gauge	25. E4420	Osher "J" Cannula
9. E0508	Kratz Capsule Scraper, Sandblasted tip	26. E4421 H	Nichamin Hydrodissection Cannula, 25 Gauge
10. E0567	Kuglen Iris Hook and Lens Manipulator	27. ED7113	Irrigating Cystotome, Formed 25 Gauge, 10/box
11. E0570 N	Nichamin Double Ended Nucleus Chopper-Spatula	28. E7414	Microsurgical Instrument Tray 50-60 Instruments
12. E0571	Lester Lens Manipulator	29. ET0584	Sweeney Manipulator Cracker
13. E0712	Koch Phacoemulsification Spatula	30. ET0703	Devgan Universal Cataract Chopper/Multi-Tool
14. E0713	Koch Stop and Chop Manipulator	31. ET0735	Wallace Double Ended Guardian/Quick Chopper
15. E0747	Micro-Chop Lens Manipulator	32. ET0736	Jewelewicz Rosen Chopper
16. E2002	Utrata Capsulorhexis Forceps		
17. E2404	Castroviejo Caliper		

*Not Available in Canada

Instrument Sets BY PROCEDURE

PHACO: PRECHOP



Catalog #	Description
1. 2-800	A. W. Brown Nucleus Cracker
2. 6-250	Sinskey Hook II
3. 6-700	Maloney Keratometer
4. 85910S	CapsuleGuard® I/A Handpiece MICS Millennium®/ Other Systems
5. 85910ST	CapsuleGuard® I/A Handpiece Stellaris® Systems
6. E0104 ACC2.5	Angled Diamond Keratome 2.5mm
7. E0104 ACC3.0	Angled Diamond Keratome 3.0mm
8. E0108 LS	Osher Trifacet Tunnel Diamond Knife With Footplate
9. E0499 30	Air Injection Cannula, 30 Gauge
10. E0508	Kratz Capsule Scraper, Sandblasted tip
11. E0567	Kuglen Iris Hook and Lens Manipulator
12. E2002	Utrata Capsulorhexis Forceps
13. E2404	Castroviejo Caliper

Catalog #	Description
14. E3320 R	Westcott Curved Tenotomy Scissors, Right
15. E3321	Westcott Type Stitch Scissors
16. E4106 K	Kratz-Barraquer Eye Speculum
17. E4106 N	Kratz-Nichamin Speculum
18. E4107 K	Kratz-Barraquer Eye Speculum Pediatric
19. E4413 BAR*	Barrett 25 Gauge Hydrodelineation Cannula
20. E4419	Kellan Hydrodissection Cannula
21. E4421 H	Nichamin Hydrodissection Cannula, 25 Gauge
22. ED7113	Irrigating Cystotome, Formed 25 Gauge, 10/box
23. E7414	Microsurgical Instrument Tray 50-60 Instruments
24. ET2056 A	Salvitti Akahoshi Prechop Forceps
25. ET2057*	Singh Akahoshi Prechop Forceps with Paddle Tip

*Not Available in Canada

Instrument Sets BY PROCEDURE

PHACO: DIVIDE/CONQUER



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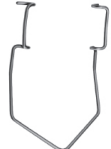
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Catalog #	Description
1. 2-800	A. W. Brown Nucleus Cracker
2. 6-250	Sinskey Hook II
3. 6-700	Maloney Keratometer
4. 85910S	CapsuleGuard® I/A Handpiece MICS Millennium®/Other Systems
5. 85910ST	CapsuleGuard® I/A Handpiece Stellaris® Systems
6. E0104 ACC2.5	Angled Diamond Keratome 2.5mm
7. E0104 ACC3.0	Angled Diamond Keratome 3.0mm
8. E0108 LS	Osher Trifacet Tunnel Diamond Knife With Footplate
9. E0499 30	Air Injection Cannula, 30 Gauge
10. E0508	Kratz Capsule Scraper, Sandblasted tip
11. E0567	Kuglen Iris Hook and Lens Manipulator
12. E0629	Drysdale Nucleus Manipulator
13. E2002	Utrata Capsulorhexis Forceps

Catalog #	Description
14. E2404	Castroviejo Caliper
15. E3320 R	Westcott Curved Tenotomy Scissors, Right
16. E3321	Westcott Type Stitch Scissors
17. E4106 K	Kratz-Barraquer Eye Speculum
18. E4106 N	Kratz-Nichamin Speculum
19. E4107 K	Kratz-Barraquer Eye Speculum Pediatric
20. E4413 BAR*	Barrett 25 Gauge Hydrodelineation Cannula
21. E4419	Kellan Hydrodissection Cannula
22. E4421 H	Nichamin Hydrodissection Cannule, 25 Gauge
23. E4937	Bechert Nucleus Rotator
24. ED7113	Irrigating Cystotome, Formed 25 Gauge, 10/box
25. E7414	Microsurgical Instrument Tray 50-60 Instruments
26. ET2057*	Singh Akahoshi Prechop Forceps with Paddle Tip

*Not Available in Canada

Instrument Sets BY PROCEDURE

PHACO: FLIP



	Catalog #	Description		Catalog #	Description
1.	6-250	Sinskey Hook II	13.	E2404	Castroviejo Caliper
2.	6-700	Maloney Keratometer	14.	E3320 R	Westcott Curved Tenotomy Scissors, Right
3.	85910S	CapsuleGuard® I/A Handpiece MICS Millennium®/ Other Systems	15.	E3321	Westcott Type Stitch Scissors
4.	85910ST	CapsuleGuard® I/A Handpiece Stellaris® Systems	16.	E4106 K	Kratz-Barraquer Eye Speculum
5.	E0104 ACC2.5	Angled Diamond Keratome 2.5mm	17.	E4106 N	Kratz-Nichamin Speculum
6.	E0104 ACC3.0	Angled Diamond Keratome 3.0mm	18.	E4107 K	Kratz-Barraquer Eye Speculum Pediatric
7.	E0108 LS	Osher Trifacet Tunnel Diamond Knife With Footplate	19.	E4413 BAR*	Barrett 25 Gauge Hydrodelineation Cannula
8.	E0499 30	Air Injection Cannula, 30 Gauge	20.	E4414 WS 25GA*	Brown Dissection Cannula
9.	E0508	Kratz Capsule Scraper, Sandblasted tip	21.	E4419	Kellan Hydrodissection Cannula
10.	E0567	Kuglen Iris Hook and Lens Manipulator	22.	E4421 H	Nichamin Hydrodissection Cannul, 25 Gauge
11.	E0725	Grayson Nucleus Manipulator	23.	ED7113	Irrigating Cystotome, Formed 25 Gauge, 10/box
12.	E2002	Utrata Capsulorhexis Forceps	24.	E7414	Microsurgical Instrument Tray 50-60 Instruments

*Not Available in Canada

Instrument Sets BY PROCEDURE

PHACO: BIMANUAL/BIAXIAL



Catalog #	Description
1. 6-250	Sinsky Hook II
2. 6-700	Maloney Keratometer
3. 85901S19	MICS 1.8mm Aspiration Handpiece Curved Single-Use
4. 85902ST19	MICS 1.8mm Irrigation Handpiece Curved Single-Use
5. 85903ST19	Nagahara Chopper Single-Use
6. 85910S	CapsuleGuard® I/A Handpiece MICS Millennium®/ Other Systems
7. 85910ST	CapsuleGuard® I/A Handpiece Stellaris® Systems
8. E0499 30	Air Injection Cannula, 30 Gauge
9. E0508	Kratz Capsule Scraper, Sandblasted tip
10. E0567	Kuglen Iris Hook and Lens Manipulator
11. E2002	Utrata Capsulorhexis Forceps
12. E2404	Castroviejo Caliper

Catalog #	Description
13. E3320 R	Westcott Curved Tenotomy Scissors, Right
14. E3321	Westcott Type Stitch Scissors
15. E4106 K	Kratz-Barraquer Eye Speculum
16. E4106 N	Kratz-Nichamin Speculum
17. E4107 K	Kratz-Barraquer Eye Speculum Pediatric
18. E4413 BAR*	Barrett 25 Gauge Hydrodelineation Cannula
19. E4419	Kellan Hydrodissection Cannula
20. E4421 H	Nichamin Hydrodissection Cannula, 25 Gauge
21. ED7113	Irrigating Cystotome, Formed 25 Gauge, 10/box
22. E7414	Microsurgical Instrument Tray 50-60 Instruments
23. ET4750 AP23	Aspiration Handpiece-Polishing Tip 23 Gauge 0.4mm Port
24. ET4750 I21	Irrigating Handpiece 21 Gauge 0.4mm Port

*Not Available in Canada

Instrument Sets BY PROCEDURE

PHACO: MICS 1.8mm COAXIAL



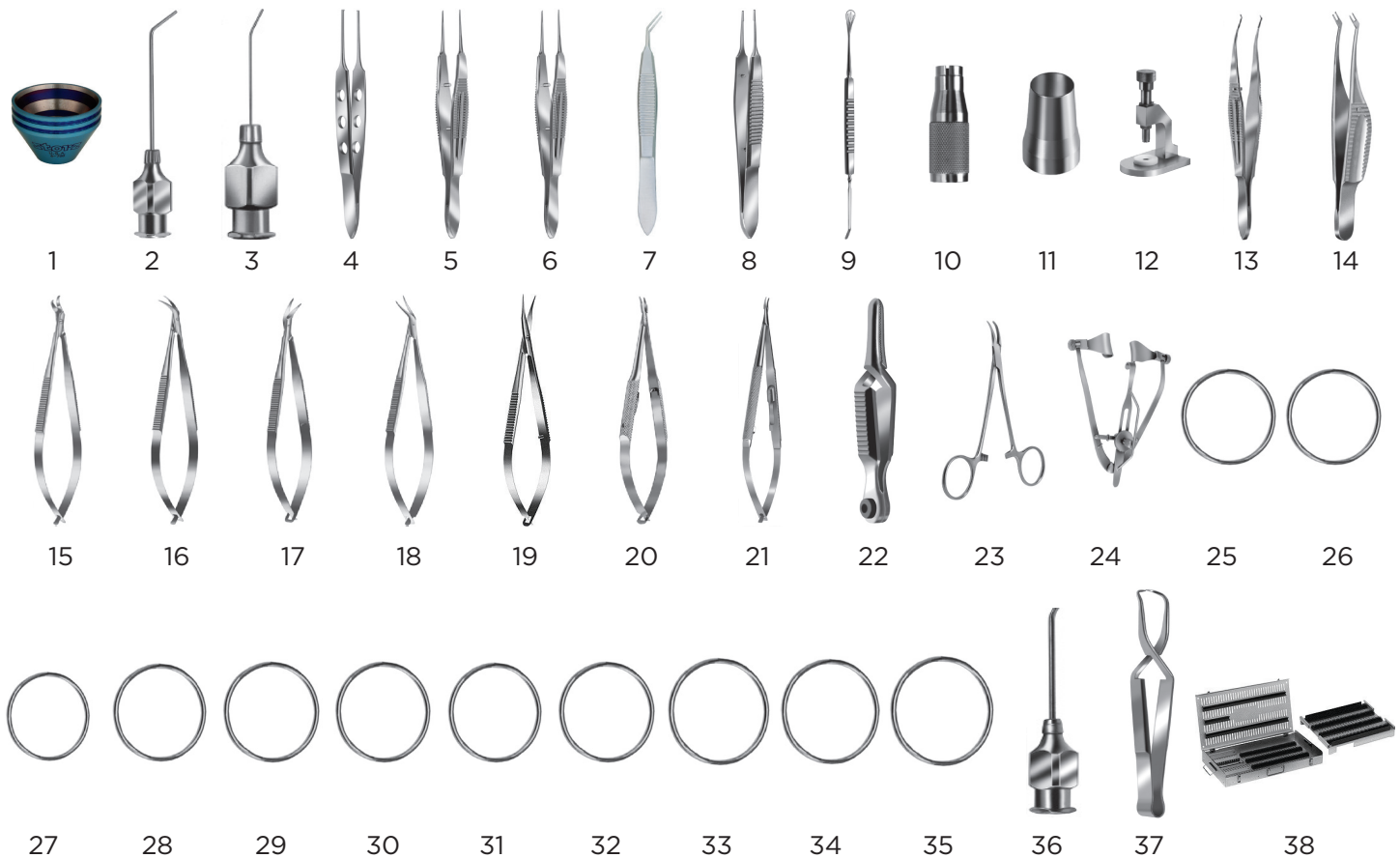
Catalog #	Description
1. 85794ST	MICS 1.8mm I/A Handpiece Curved Single-Use
2. 85795ST	MICS 1.8mm I/A Handpiece 45 Degree Single-Use
3. 85915S*	CapsuleGuard® I/A Handpiece MICS Millennium®/ Other Systems
4. 85910ST	CapsuleGuard® I/A Handpiece Stellaris® Systems
5. BL3160	Stellaris™ System I/A Handle
6. BL3161	I/A Tip, Curved Silicone 0.4mm
7. BL3162	I/A Tip, Straight Silicone 0.4mm
8. BL3163	I/A Tip, 45 Degree Silicone 0.4mm
9. DP9731	Irrigation-Aspiration Tip
10. DP9733	Irrigation-Aspiration Tip 45° 0.3 mm port
11. DP9734	Irrigation-Aspiration Tip
12. DP9745	I/A Capsule Polisher, 45 Degree Silicone
13. E0130 1.8/2.2*	Tru-Size™ Angled Trapezoid Diamond Knife 1.8/2.2mm
14. E0130 1.8MM	Profile Angled Diamond Keratome 1.8mm
15. E0130 2.2MM	Profile Angled Diamond Keratome 2.2mm
16. E2002 M	Utrata MICS Capsulorhexis Forceps
17. E2013H	MICS™ Capsulorhexis Forceps Handle
18. E2013T	MICS™ Capsulorhexis Forceps Tip with Seibel Ruler
19. E3321	Westcott Type Stitch Scissors
20. E3323 R*	Micro Westcott Curved Tenotomy Scissors, Right
21. E4421 H	Nichamin Hydrodissection Cannula 25 gauge
22. E4429*	Wiles Hydrodissection Cannula MICS

Catalog #	Description
23. E7411	Microsurgical Instrument Tray Double Layer 6 x 10 Inches
24. E7596	LASEREDGE® Trapezoidal Knife 1.5-2.0mm angled (Sub 2mm)
25. E7600	LASEREDGE® Trapezoidal Knife 1.6mm-1.8mm
26. E7601	LASEREDGE® Trapezoidal Knife 2.0mm-2.2mm
27. E7601G	Guarded Trapezoidal Knife, 2.0-2.2mm Angled
28. ET1200	Castroviejo Suturing Forceps 0.12mm Titanium
29. ET1798	Castroviejo Suturing Forceps 0.5mm Titanium
30. ET1202	Utrata MICS Capsulorhexis Forceps Titanium
31. E1815 AB	Bechert-McPherson Tying Forceps Angled
32. ET1815 S	McPherson Tying Forceps Straight Titanium
33. ET1797	Castroviejo Suturing Forceps 0.3mm
34. E1500	Bishop-Harmon Tissue Forceps Fine Straight
35. ET1207	McPherson Tying Forceps Angled Titanium
36. ET1208	Drysdale Nucleus Manipulator
37. E0567	Kuglen Iris Hook and Lens Manipulator
38. ET1211	Sinskey Hook II
39. E0542	Clayman Guide
40. ET1213	Lester Lens Manipulator
41. ET4937	Bechert Nucleus Rotator
42. ET1203	Sinskey Iris and IOL Hook
43. ET0713	Koch Stop and Chop Manipulator Titanium
44. ET2057*	Singh Akahoshi Prechop Forceps with Paddle Tip

*Not Available in Canada

Instrument Sets BY PROCEDURE

CORNEA: PENETRATING KERATOPLASTY (PK)

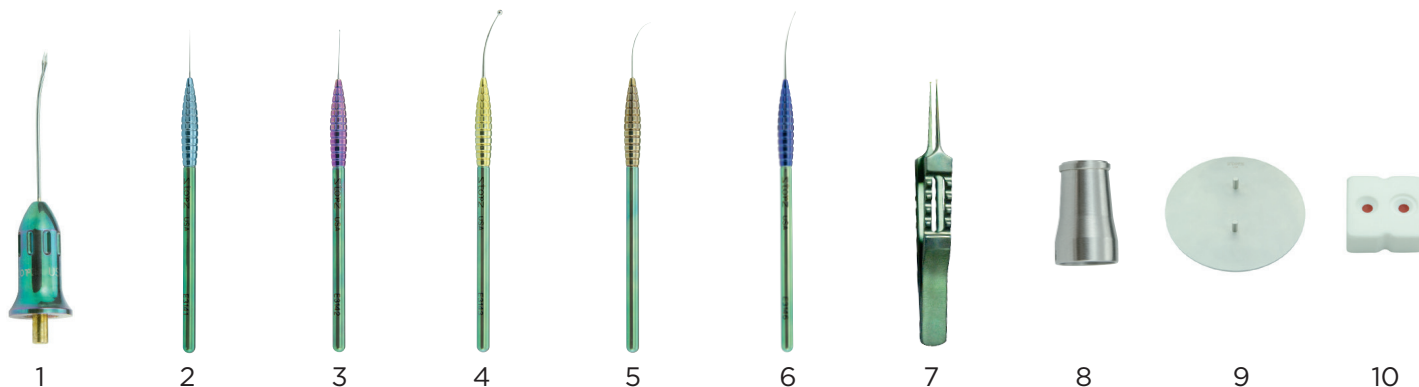


Catalog #	Description	Catalog #	Description
1. 6-700	Maloney Keratometer	20. E3828 CW	Barraquer Needle Holder, Curved with Lock
2. E0497	Viscoelastic Injection Cannula	21. E3885 WL	STORZ® Needle Holder, Curved with Lock
3. E0499 30	Air Injection Cannula, 30 Gauge	22. E3900	STORZ® Serrefine
4. E1500	Bishop-Harmon Tissue Forceps Fine Straight	23. E3922	Halstead Curved Hemostatic Mosquito Forceps
5. E1796	Castroviejo Suturing Forceps 0.12mm	24. E4007	Maumenee-Park Speculum
6. E1797 US	Castroviejo Suturing Forceps 0.3mm	25. E4034 12	Flieringa Fixation Ring 12mm
7. E1815 AKUS	Kelman-McPherson Tying Forceps Angled	26. E4034 13	Flieringa Fixation Ring 13mm
8. E1815 S	McPherson Tying Forceps Straight	27. E4034 14	Flieringa Fixation Ring 14mm
9. E3046	Paton Double Ended Spatula	28. E4034 15	Flieringa Fixation Ring 15mm
10. E3050 H	Universal Handle for Trephine Blades	29. E4034 16	Flieringa Fixation Ring 16mm
11. E3050 Series	Tanne Universal Disposable Trephine Blade	30. E4034 17	Flieringa Fixation Ring 17mm
12. E3054	Iowa P.K. Press Punch	31. E4034 18	Flieringa Fixation Ring 18mm
13. E3205	STORZ® Corneal Forceps, Colibri Style	32. E4034 19	Flieringa Fixation Ring 19mm
14. E3215	Polack Double Corneal Forceps, Colibri Style	33. E4034 20	Flieringa Fixation Ring 20mm
15. E3232	Katzin Curved Corneal Transplant Scissors Left	34. E4034 21	Flieringa Fixation Ring 21mm
16. E3233	Katzin Curved Corneal Transplant Scissors Right	35. E4034 22	Flieringa Fixation Ring 22mm
17. E3304	Castroviejo Corneal Section Scissors	36. E4922	Bishop-Harmon Irrigating Cannula
18. E3305	Castroviejo Corneal Section Scissors	37. E6774	Schaedel Towel Clamp
19. E3321	Westcott Type Stitch Scissors	38. E7414	Microsurgical Instrument Tray 50-60 Instruments

*Not Available in Canada

Instrument Sets BY PROCEDURE

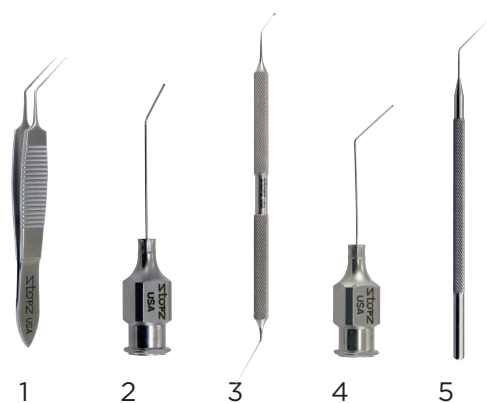
CORNEA: JOHN DMEK



	Catalog #	Description
1.	E3140	John DMEK Scissors
2.	E3141	John DMEK Scroller
3.	E3142	John DMEK Separator
4.	E3143	John DMEK Smoother
5.	E3147	John DMEK Dexatome

	Catalog #	Description
6.	E3146	John DMEK Manipulator
7.	E3144	John DMEK Lifting Forceps
8.	E3149	John DMEK 8mm Trephine
9.	E3150	John DMEK Base
10.	E3145	John DMEK Cutting Block

CORNEA: DMEK



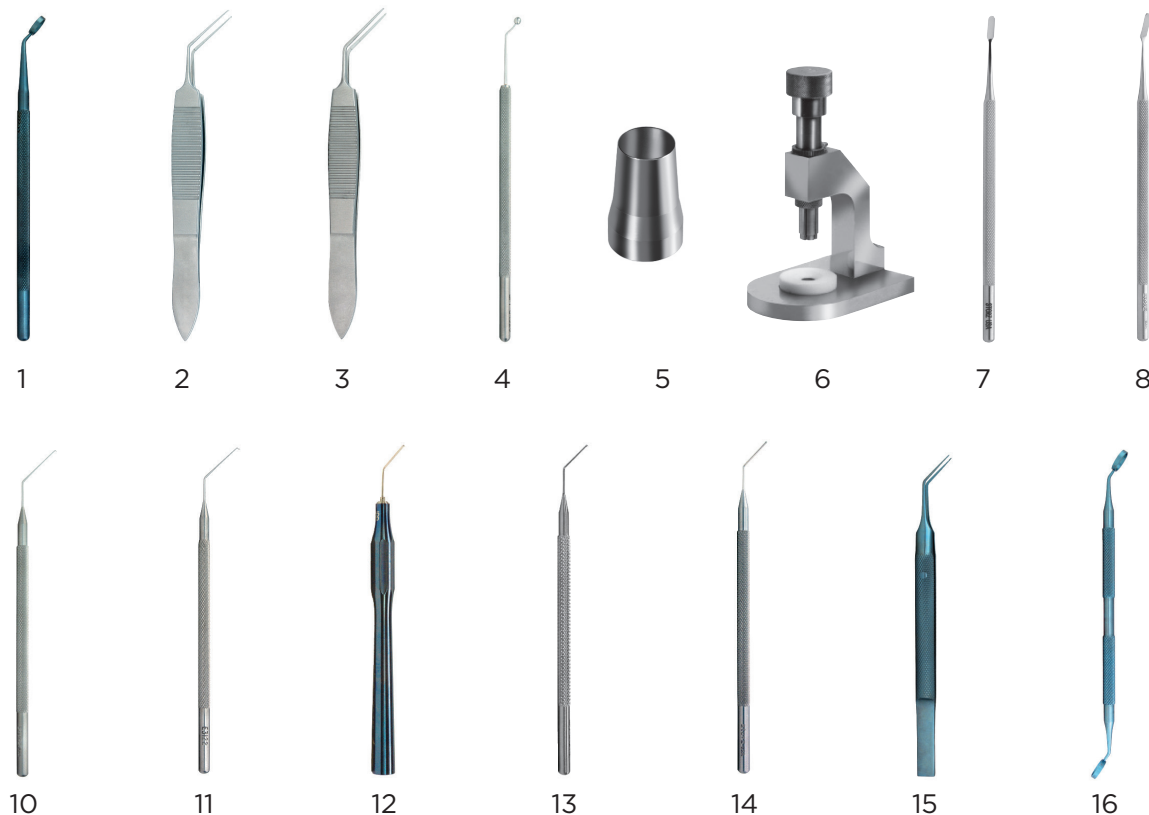
	Catalog #	Description
1.	E3128	Fogla DM Stripping Hook
2.	E4918*	Fogla DMEK Cannula
3.	E3127*	Sáles Stripper Paddle

	Catalog #	Description
4.	E4917	Straiko DMEK Cannula
5.	E3121	Straiko Twin Ring Forceps

*Not Available in Canada

Instrument Sets BY PROCEDURE

CORNEA: DSEK



Catalog #	Description
1. 9-781W	Corneal Marker 8mm
2. E2015	Snyder Stripping Forceps
3. E2039	Carlson DSEK Graft Forceps
4. E2040	Carlson DSEK Smoother
5. E3050 Series	Tanne Universal Trephine Blades
6. E3054	Iowa P.K. Press Punch
7. E3113	Devers-Terry Dissector Straight
8. E3114	Devers-Terry Dissector Curved

Catalog #	Description
9. E3119	Reverse Sinskey Hook
10. E3122	Nick Pick #2
11. E3123	Terry Scraper Irrigating
12. E3124	Terry Scraper Non-Irrigating
13. E3125	Cindy Sweeper for DSEK
14. ET3122	Charlie Forceps II
15. ET3126	Corneal Marker 8.5mm/9mm

*Not Available in Canada

CORNEA: DALK



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	Catalog #	Description
1.	E0479	Fogla Trifacet Spatula
2.	E0480	Fogla Pointed Dissector
3.	E3217 L	Fogla Scissors Left

	Catalog #	Description
4.	E3217 R	Fogla Scissors Right
5.	E4924 25*	Fogla Air Injection Cannula 25 Gauge
6.	E4924 27	Fogla Air Injection Cannula 27 Gauge

*Not Available in Canada

ENUCLEATION



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Catalog #	Description
1. E0586	Jameson Muscle Hook
2. E1400	Straight Dressing Forceps With Serrations Delicate
3. E3560	Stevens Tenotomy Scissors Straight
4. E3652	STORZ® Enucleation Scissors Curved Strong
5. E3670	Foster Enucleation Snare
6. E3671	STORZ® Twisted Snare Wire

Catalog #	Description
7. E3720	Wells Enucleation Spoon
8. E3740	Bunge Enucleation Spoon 12mm
9. E3742	Bunge Enucleation Spoon 8mm
10. E3922	Halstead Curved Hemostatic Mosquito Forceps
11. E4056	Lancaster Eye Speculum
12. E5652	Carter Sphere Introducer and Holder
13. E7416 1	Microsurgical Instrument Tray 15 Instruments

*Not Available in Canada

Instrument Sets BY PROCEDURE

FOREIGN BODY REMOVAL



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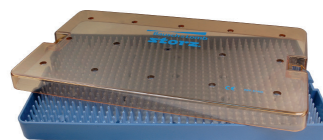
8



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Catalog

Description

1. E0815 A Algerbrush Rust Ring Remover 0.5mm
2. E0840 Golf Club Spud
3. E0980 Desmarres Lld Retractor Size 0
4. E1091 Kimura Platinum Spatula
5. E1947 3C Jeweler Type Forceps Extra Fine
6. E2160 STORZ® Cilia Forceps Narrow

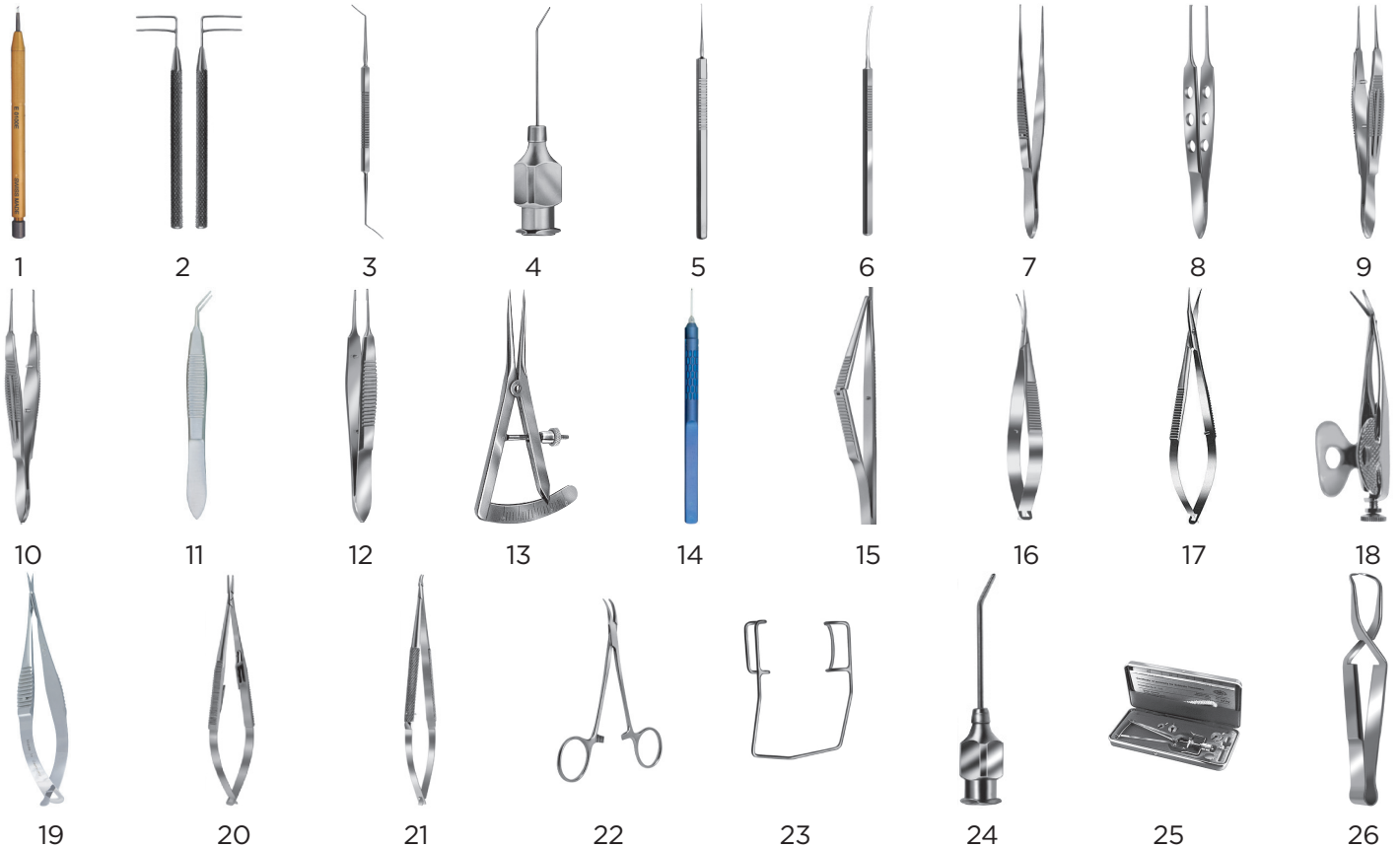
Catalog

Description

7. E4106 Barraquer Eye Speculum Wire Blade
8. E4366 Ruedemann Lacrimal Dilator
9. E4404 Lacrimal Cannula 23 Gauge Straight Tip
10. E5105 Wilder Scleral Depressor
11. E7406 Microsurgical Instrument Tray Plastic 6 x 10 Inches

Instrument Sets BY PROCEDURE

GLAUCOMA



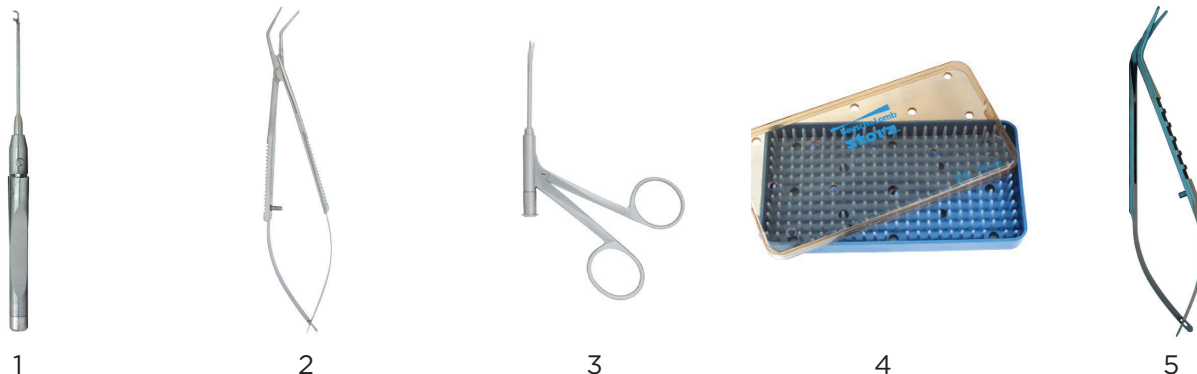
Catalog #	Description
1. E0100 E	45 Degree Single Edge Diamond Knife
2. E0421	Harms Trabeculotome Set
3. E0489	Castroviejo Cyclodialysis Spatula Double-Ended
4. E0499 27	Air Injection Cannula, 27 Gauge
5. E0549 D	Bonn Iris Hook
6. E0706	Iris Spatula 1mm
7. E1400	Straight Dressing Forceps With Serrations Delicate
8. E1500	Bishop-Harmon Tissue Forceps Fine Straight
9. E1796	Castroviejo Suturing Forceps 0.12mm
10. E1798 US	Castroviejo Suturing Forceps 0.5mm
11. E1815 AKUS	Kelman-McPherson Tying Forceps Angled
12. E1815 S	McPherson Tying Forceps Straight
13. E2404	Castroviejo Caliper

Catalog #	Description
14. E2797*	STORZ® Glaucoma Punch
15. E2798	Kelly Descemet's Membrane Punch
16. E3320 R	Westcott Tenotomy Scissors Curved Right
17. E3321	Westcott Type Stitch Scissors
18. E3366	Barraquer Iris Scissors
19. E3386	Vannas Capsulotomy Scissors Straight
20. E3852	Castroviejo Needle Holder 10mm Straight Medium Locking
21. E3885	STORZ® Needle Holder 6mm Curved Delicate
22. E3922	Halstead Curved Hemostatic Mosquito Forceps
23. E4106 H	Barraquer Eye Speculum Wire Blade Heavy
24. E4922	Bishop-Harmon Irrigating Cannula
25. E5754	STORZ® Schiøtz Tonometer
26. E6774	Schaedel Towel Clamp

*Not Available in Canada

Instrument Sets BY PROCEDURE

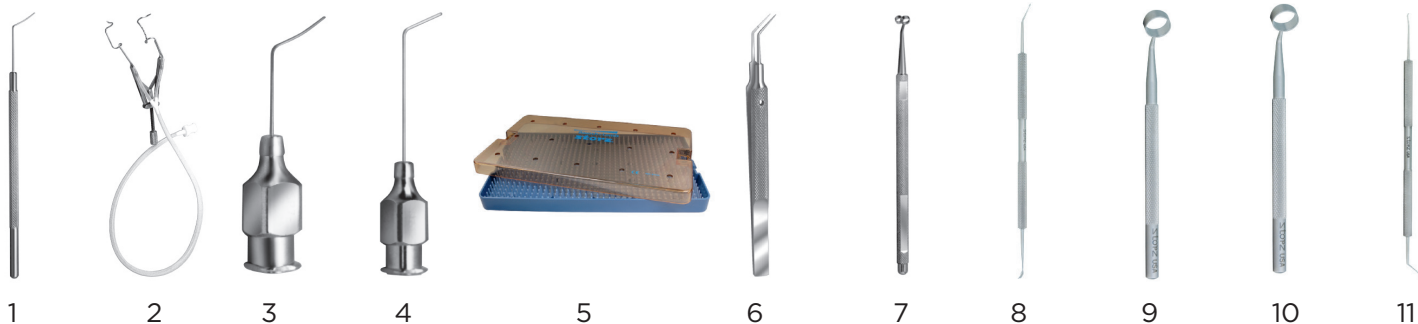
IMPLANT REMOVAL



Catalog #	Description
1. E1961 HAP	Rappazzo Haptic Scissors
2. E2014	Implant Removal Forceps
3. E1308*	STORZ® IOL Cutter

Catalog #	Description
4. E7409	Microsurgical Instrument Tray Plastic 3 x 6 Inches
5. ET1306	Osher IOL Scissors

LASIK/LASEK



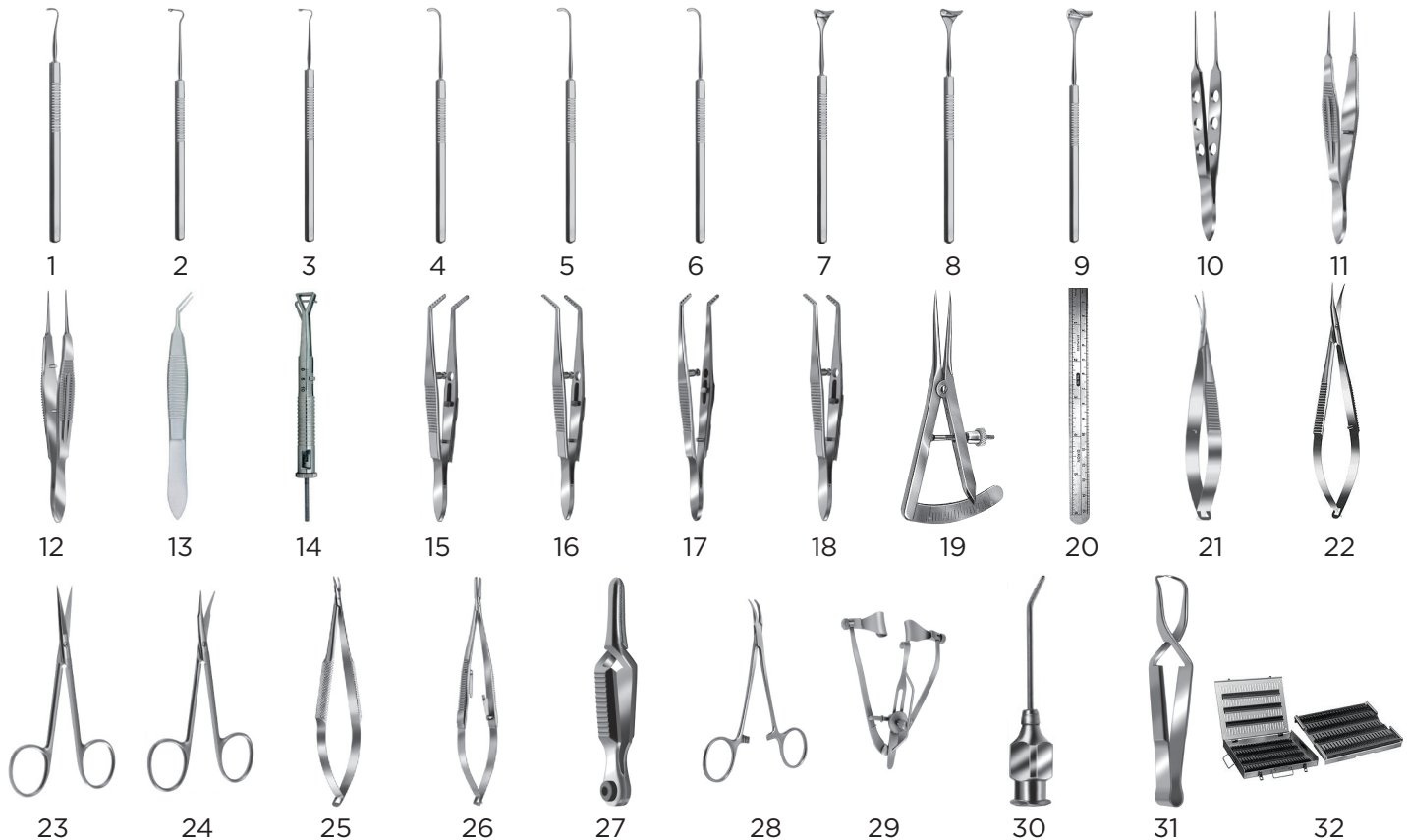
Catalog #	Description
1. E0622	Slade Refractive Spatula
2. E4067	Lindstrom Eye Speculum, Aspirating
3. E4407	Slade Refractive Cannula
4. E4897	Probst Refractive Cannula 27 Gauge
5. E7406	Microsurgical Instrument Tray Plastic 6 x 10 Inches

Catalog #	Description
6. ET1305	Machat Forceps
7. ET9079	Gulani LASIK Marker
8. E9103*	MacRae Flap Flipper
9. E9105*	MacRae Mini LASEK/PRK 6.5mm Well
10. E9104*	MacRae Mini LASEK/PRK 7.0mm Well
11. E9102*	MacRae Thin Flap LASIK Spatula

*Not Available in Canada

Instrument Sets BY PROCEDURE

MUSCLE



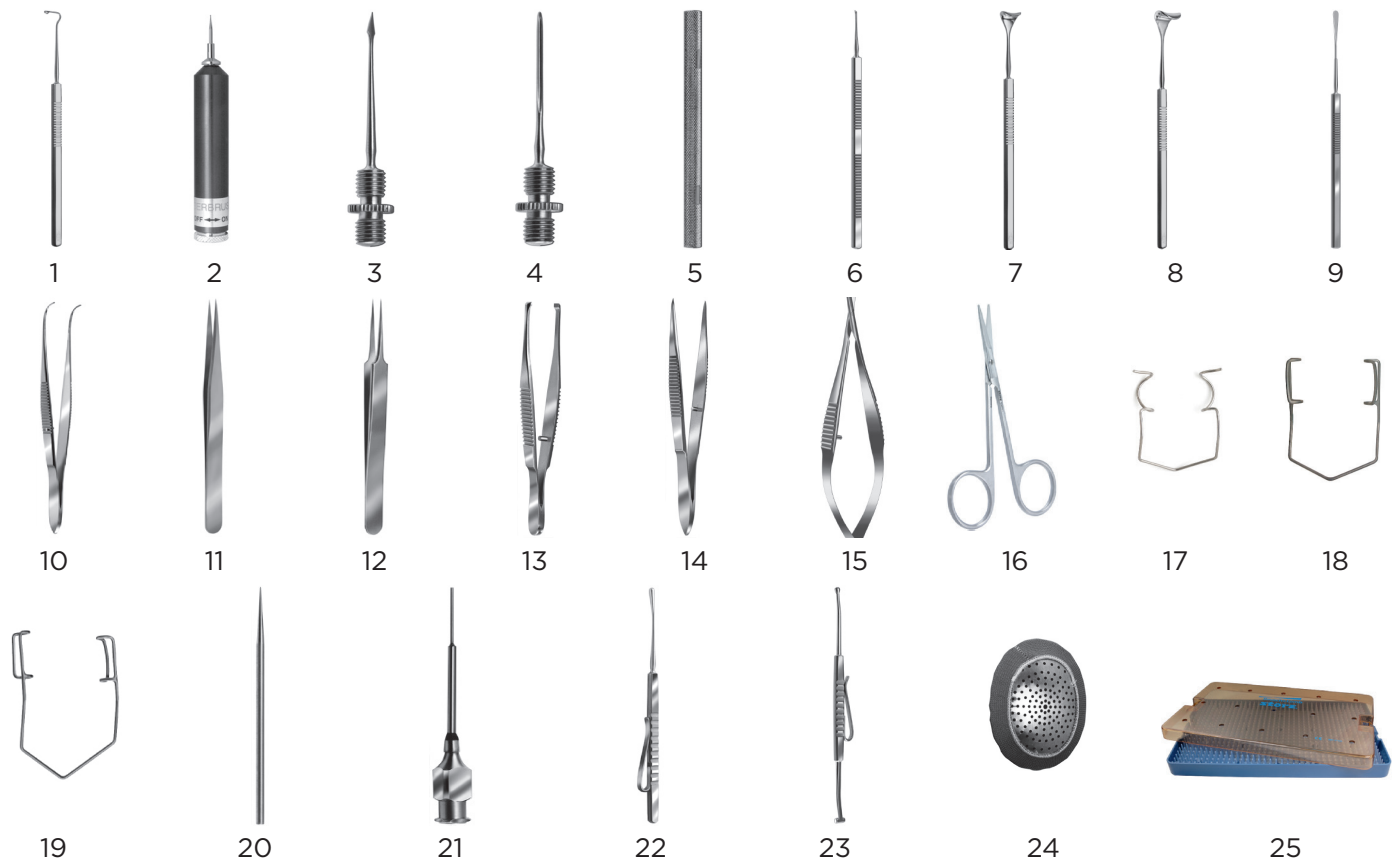
Catalog #	Description
1. E0580	Culler Rectus Muscle Hook 7mm
2. E0586	Jameson Muscle Hook
3. E0586 S	Jameson Muscle Hook-Small
4. E0591	Graefe Strabismus Hook 8mm
5. E0592	Graefe Strabismus Hook 9mm
6. E0593	Graefe Strabismus Hook 10mm
7. E0980	Desmarres Lid Retractor Size O
8. E0981	Desmarres Lid Retractor Size 1
9. E0982	Desmarres Lid Retractor Size 2
10. E1506	Bishop-Harmon Dressing Forceps
11. E1793 US	Castroviejo Fixation Forceps 0.3mm
12. E1796	Castroviejo Suturing Forceps 0.12mm
13. E1815 AKUS	Kelman-McPherson Tying Forceps Angled
14. E2304	Bishop Tendon Tucker
15. E2330	Jameson Muscle Forceps Left
16. E2331	Jameson Muscle Forceps Right
17. E2334	Jameson Muscle Forceps Left Child Size

Catalog #	Description
18. E2335	Jameson Muscle Forceps Right Child Size
19. E2404	Castroviejo Caliper
20. E2420	Stainless Steel Flexible Ruler
21. E3320 R	Westcott Curved Tenotomy Scissors, Right
22. E3321	Westcott Type Stitch Scissors
23. E3424	STORZ® Eye Scissors Straight Sharp Tips
24. E3562	Stevens Tenotomy Scissors Curved
25. E3828 CWO	Barraquer Needle Holder, Curved
26. E3850	Castroviejo Needle Holder, Straight with Lock
27. E3900	STORZ® Serrefine
28. E3922	Halstead Curved Hemostatic Mosquito Forceps
29. E4007	Maumenee-Park Speculum
30. E4922	Bishop-Harmon Irrigating Cannula
31. E6774	Schaeffel Towel Clamp
32. E7418	Microsurgical Instrument Tray 50-60 Instruments

*Not Available in Canada

Instrument Sets BY PROCEDURE

OFFICE INSTRUMENTS



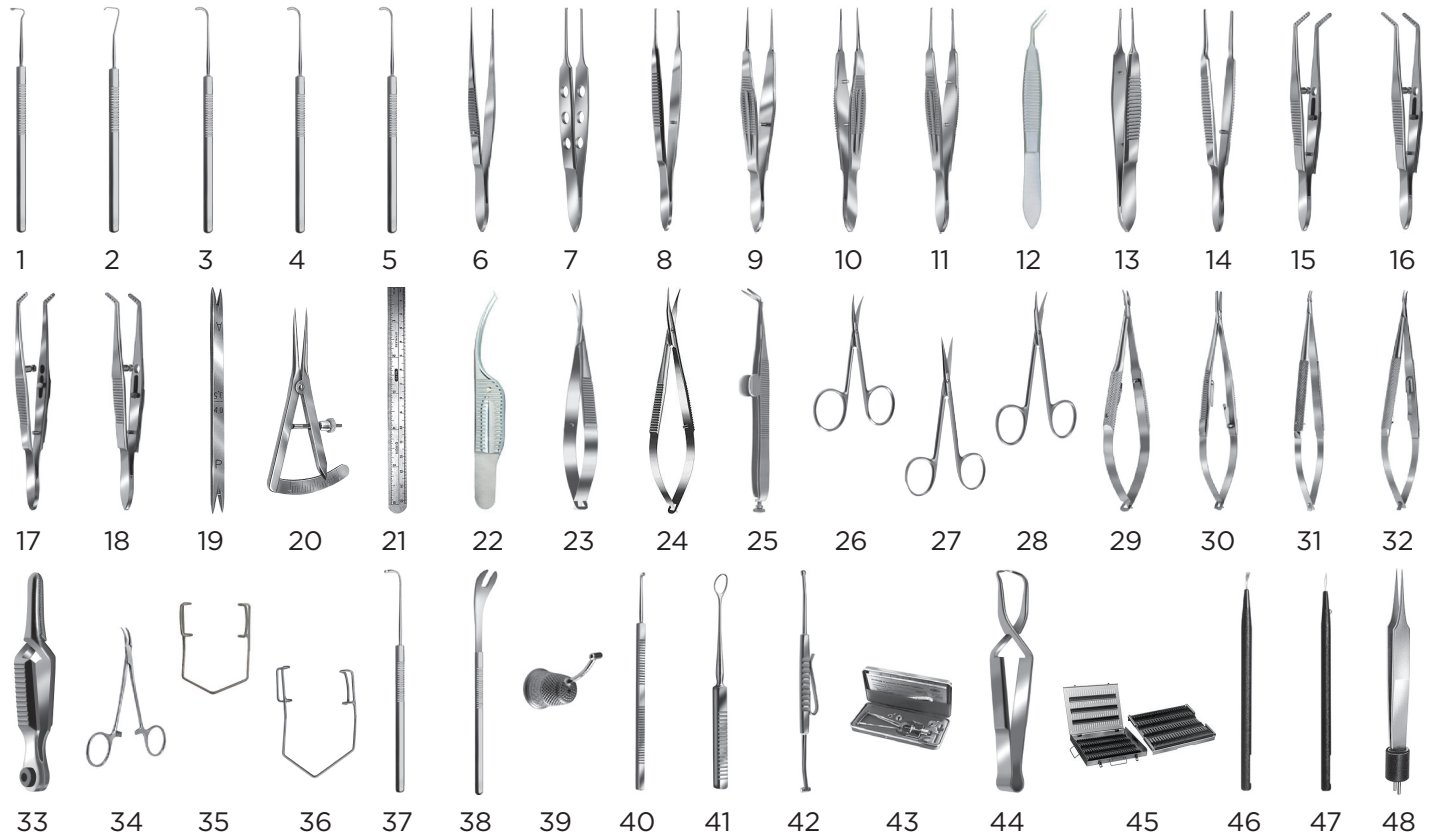
Catalog #	Description
1. E0586	Jameson Muscle Hook-Small
2. E0815 A	Algerbrush Rust Ring Remover 0.5mm
3. E0828 A	Needle & Gouge Set Needle Tip
4. E0828 B	Needle & Gouge Set Gouge Tip
5. E0828 C	Needle & Gouge Set Handle
6. E0840	Golf Club Spud
7. E0980	Desmarres Lid Retractor Size 0
8. E0982	Desmarres Lid Retractor Size 2
9. E1091	Kimura Platinum Spatula
10. E1408	Curved Dressing Forceps With Serrations Delicate
11. E1947 3C	Jeweler Type Forceps Extra Fine
12. E1947 5	Jeweler Type Forceps Extra Fine Narrower
13. E2156	STORZ® Cilia Forceps Wide

Catalog #	Description
14. E2160	STORZ® Cilia Forceps Narrow
15. E3347	McPherson-Vannas Curved Iris Scissors
16. E3416 I	STORZ® Eye Scissors Straight Blunt Tips
17. E4055	Nichamin Wire Speculum Open
18. E4106	Barraquer Eye Speculum, Wire Blade
19. E4107	Barraquer Eye Speculum Pediatric 11mm
20. E4366	Ruedemann Lacrimal Dilator
21. E4404	Lacrimal Cannula 23 Gauge Straight Tip
22. E5105	Wilder Scleral Depressor
23. E5108	Schocket Double Ended Scleral Depressor
24. E5691 A50	Eye Garter Shield Cover and Fox Shield Assorted
25. E7406	Microsurgical Instrument Tray Plastic 6 x 10 Inches

*Not Available in Canada

Instrument Sets BY PROCEDURE

SCLERAL BUCKLING



Catalog #	Description	Catalog #	Description
1. E0586 S	Jameson Muscle Hook Small	25. E3360	DeWecker Iris Scissors
2. E0588	Green Strabismus Hook 7mm	26. E3405	STORZ® Curved Iris Scissors
3. E0591	Graefe Strabismus Hook 8mm	27. E3424	STORZ® Straight Eye Scissors
4. E0592	Graefe Strabismus Hook 9mm	28. E3562	Stevens Tenotomy Scissors Curved
5. E0593	Graefe Strabismus Hook 10mm	29. E3828 CW	Barraquer Needle Holder, Curved with Lock
6. E1400	Straight Dressing Forceps With Serrations Delicate	30. E3850	Castroviejo Needle Holder, Straight with Lock
7. E1500	Bishop-Harmon Tissue Forceps Fine Straight	31. E3885	STORZ® Needle Holder, Curved without lock
8. E1654	Lester Fixation Forceps 1 x 2	32. E3885 WL	STORZ® Needle Holder, Curved with Lock
9. E1793 US	Castroviejo Fixation Forceps 0.3mm	33. E3900	STORZ® Serrefine
10. E1796	Castroviejo Suturing Forceps 0.12mm	34. E3922	Halstead Curved Hemostatic Mosquito Forceps
11. E1798 US	Castroviejo Suturing Forceps 0.5mm	35. E4106	Barraquer Eye Speculum Wire Blade
12. E1815 AKUS	Kelman-McPherson Tying Forceps Angled	36. E4107	Barraquer Eye Speculum Pediatric
13. E1815 S	McPherson Tying Forceps Straight	37. E4991	Gass Retinal Detachment Hook
14. E1914	McCullough Utility Forceps Smooth	38. E5008	Schepens Orbital Retractor
15. E2330	Jameson Muscle Forceps Left	39. E5100 10	Schepens Scleral Depressor Medium
16. E2331	Jameson Muscle Forceps Right	40. E5106	Urretts-Zavalia Depressor and Fixation Pick
17. E2334	Jameson Muscle Forceps Left Child Size	41. E5107	Flynn Scleral Depressor
18. E2335	Jameson Muscle Forceps Right Child Size	42. E5108	Schocket Double Ended Scleral Depressor
19. E2402	Braunstein Fixed Caliper 3.5/4.0mm	43. E5754	STORZ® Schioetz Tonometer
20. E2404	Castroviejo Caliper	44. E6774	Schaedel Towel Clamp
21. E2420	Stainless Steel Flexible Ruler	45. E7418	Microsurgical Instrument Tray 50-60 Instruments
22. E3199 US	Troutman-Barraquer Corneal Utility Forceps Colibri Style 0.12mm	46. E7510	LASEREDGE® Crescent Knife Angled Bevel up
23. E3320 R	Westcott Tenotomy Scissors Curved Right	47. E7515	LASEREDGE® Stab Knife 15°
24. E3321	Westcott Type Stitch Scissors	48. S2050 1	Jeweler Type Bipolar Forceps

*Not Available in Canada

Instrument Sets BY PROCEDURE

VITREORETINAL: 20 GAUGE

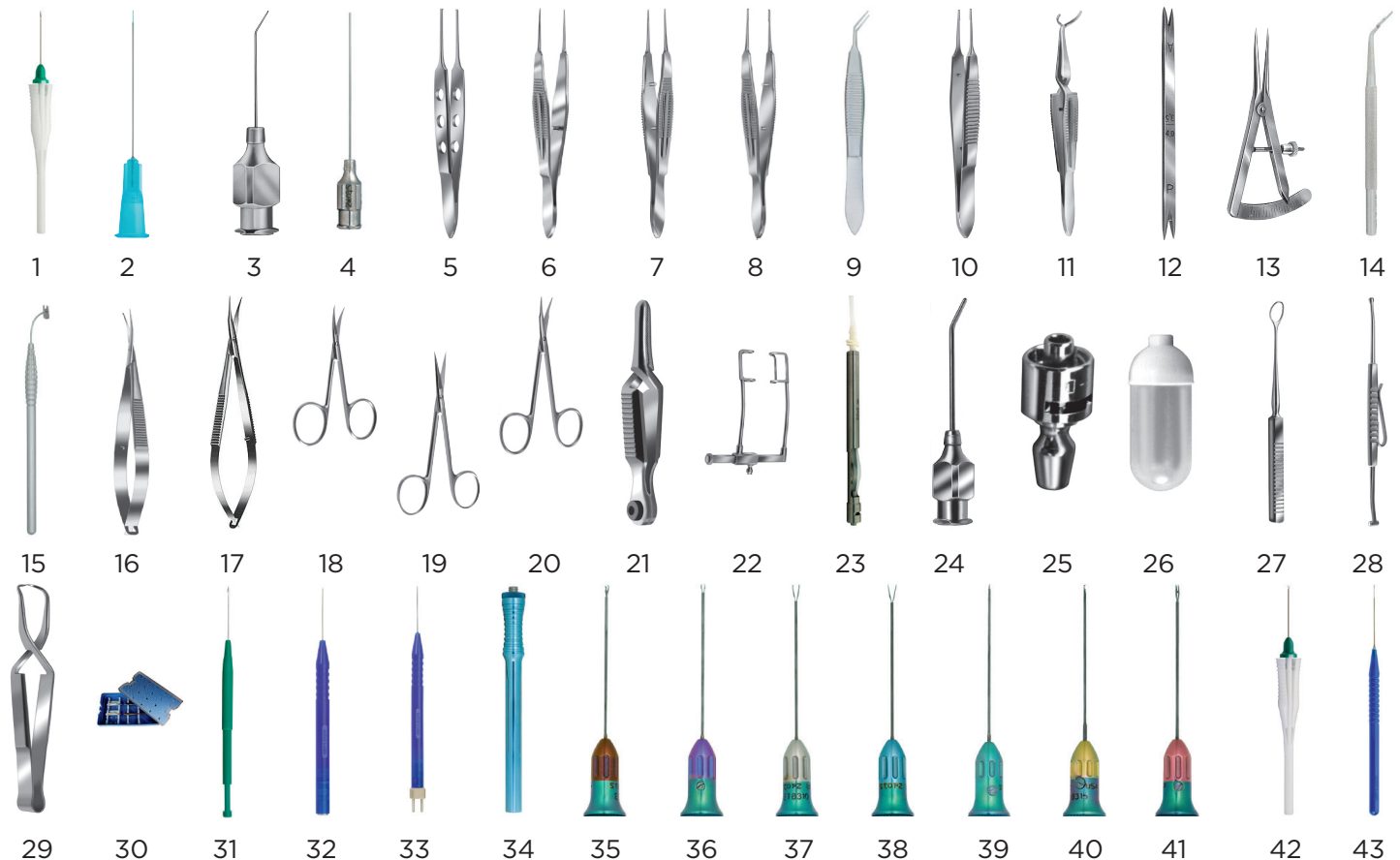


Catalog #	Description	Catalog #	Description	Catalog #	Description
1. E0499 27	Air Injection Cannula, 27 Gauge	23. E3321	Westcott Type Stitch Scissors	43. E5107	Flynn Scleral Depressor
2. E0504	Randolph Cyclodialysis Cannula	24. E3391	STORZ® Intraocular Scissors	44. E5108	Schocket Double Ended Scleral Depressor
3. E0586 S	Jameson Muscle Hook -Small	25. E3405	STORZ® Curved Iris Scissors	45. E5376	Lambert Sleeve Spreader
4. E0608	Olk Angled Retinal Pick, 110 Degree	26. E3424	STORZ® Straight Eye Scissors	46. E6774	Schaedel Towel Clamp
5. E0609	Olk Angled Retinal Pick, 150 Degree	27. E3562	Stevens Curved Tenotomy Scissors	47. E7421	Microsurgical Retina Instrument Tray Double Layer 6 x 10 Inches
6. E0616	Olk Angled Retinal Pick, 130 Degree	28. E3828 CW	Barraquer Needle Holder Curved with Lock	48. E7520	20 Gauge LASEREDGE® MVR Knife
7. E1400	Straight Dressing Forceps With Serrations Delicate	29. E3850	Castroviejo Needle Holder Straight with Lock	49. E7918	18 Gauge Bipolar Pencil Straight 2 Pin Single-Use 10/box
8. E1500	Bishop-Harmon Tissue Forceps Fine Straight	30. E3885	STORZ® Needle Holder Curved without Lock	50. E7918 C	18 Gauge Bipolar Pencil Curved 2 Pin Single-Use 10/box
9. E1654	Lester Fixation Forceps 1 x 2	31. E3885 WL	STORZ® Needle Holder Curved with Lock	51. E7923	20/23 Gauge Bipolar Pencil Tapered 2 Pin Single-Use 10/box
10. E1793 US	Castroviejo Fixation Forceps 0.3mm	32. E3900	STORZ® Serrefine	52. ET8198H	StableGrip® Vitreoretinal Handle
11. E1796	Castroviejo Suturing Forceps 0.12mm	33. E3922	Halstead Curved Hemostatic Mosquito Forceps	53. ET8200 TL	20 Gauge Pic Forceps
12. E1798 US	Castroviejo Suturing Forceps 0.5mm	34. E4094	Murdoch Eye Speculum	54. ET8202 TL	20 Gauge End Gripping Forceps
13. E1815 AKUS	Kelman-McPherson Tying Forceps Angled	35. E4800	Passive Backflush Handpiece	55. ET8211 T L	20 Gauge ILM Membrane Forceps
14. E1815 S	McPherson Tying Forceps Straight	36. E4804	Brush Cannula For Backflush Handpiece	56. ET8212 T L	20 Gauge Endgripping Forceps
15. E1914	McCullough Utility Forceps Smooth	37. E4922	Bishop-Harmon Irrigating Cannula	57. MVS 1031	Infusion Cannula, 2.5mm Beveled Tip
16. E1983	Landers Vitrectomy Lens Forceps	38. E4942	Adapter for Irrigators	58. MVS 1033	Infusion Cannula, 4.0mm Beveled Tip
17. E2404	Castroviejo Caliper	39. E4944	Silicone Bulb	59. MVS 1035	Infusion Cannula, 6.0mm Beveled Tip
18. E2420	Stainless Steel Flexible Ruler	40. E4991	Gass Retinal Detachment Hook	60. MVS 1046	Scleral Plug Forceps
19. E2424	Josephberg-Hilton Stabilizing Plate	41. E5100 10	Schepens Scleral Depressor Medium	61. MVS 1052	Extrusion Handpiece 20 Gauge Tapered
20. E2428	Awh Sutureless Sclerotomy Guide	42. E5106	Urretts-Zavalia Depressor and Fixation Pick	62. S2050 1	Jeweler Type Bipolar Forceps
21. E3199 US	Troutman-Barraquer Corneal Utility Forceps Colibri Style 0.12mm				
22. E3320 R	Westcott Curved Tenotomy Scissors, Right				
23. E3321	Westcott Type Stitch Scissors				
24. E3391	STORZ® Intraocular Scissors				
25. E3405	STORZ® Curved Iris Scissors				
26. E3424	STORZ® Straight Eye Scissors				
27. E3562	Stevens Curved Tenotomy Scissors				
28. E3828 CW	Barraquer Needle Holder Curved with Lock				
29. E3850	Castroviejo Needle Holder Straight with Lock				
30. E3885	STORZ® Needle Holder Curved without Lock				
31. E3885 WL	STORZ® Needle Holder Curved with Lock				
32. E3900	STORZ® Serrefine				
33. E3922	Halstead Curved Hemostatic Mosquito Forceps				
34. E4094	Murdoch Eye Speculum				
35. E4800	Passive Backflush Handpiece				
36. E4804	Brush Cannula For Backflush Handpiece				
37. E4922	Bishop-Harmon Irrigating Cannula				
38. E4942	Adapter for Irrigators				
39. E4944	Silicone Bulb				
40. E4991	Gass Retinal Detachment Hook				
41. E5100 10	Schepens Scleral Depressor Medium				
42. E5106	Urretts-Zavalia Depressor and Fixation Pick				
43. E5107	Flynn Scleral Depressor				
44. E5108	Schocket Double Ended Scleral Depressor				
45. E5376	Lambert Sleeve Spreader				
46. E6774	Schaedel Towel Clamp				
47. E7421	Microsurgical Retina Instrument Tray Double Layer 6 x 10 Inches				
48. E7520	20 Gauge LASEREDGE® MVR Knife				
49. E7918	18 Gauge Bipolar Pencil Straight 2 Pin Single-Use 10/box				
50. E7918 C	18 Gauge Bipolar Pencil Curved 2 Pin Single-Use 10/box				
51. E7923	20/23 Gauge Bipolar Pencil Tapered 2 Pin Single-Use 10/box				
52. ET8198H	StableGrip® Vitreoretinal Handle				
53. ET8200 TL	20 Gauge Pic Forceps				
54. ET8202 TL	20 Gauge End Gripping Forceps				
55. ET8211 T L	20 Gauge ILM Membrane Forceps				
56. ET8212 T L	20 Gauge Endgripping Forceps				
57. MVS 1031	Infusion Cannula, 2.5mm Beveled Tip				
58. MVS 1033	Infusion Cannula, 4.0mm Beveled Tip				
59. MVS 1035	Infusion Cannula, 6.0mm Beveled Tip				
60. MVS 1046	Scleral Plug Forceps				
61. MVS 1052	Extrusion Handpiece 20 Gauge Tapered				
62. S2050 1	Jeweler Type Bipolar Forceps				

*Not Available in Canada

Instrument Sets BY PROCEDURE

VITREORETINAL: 23 GAUGE



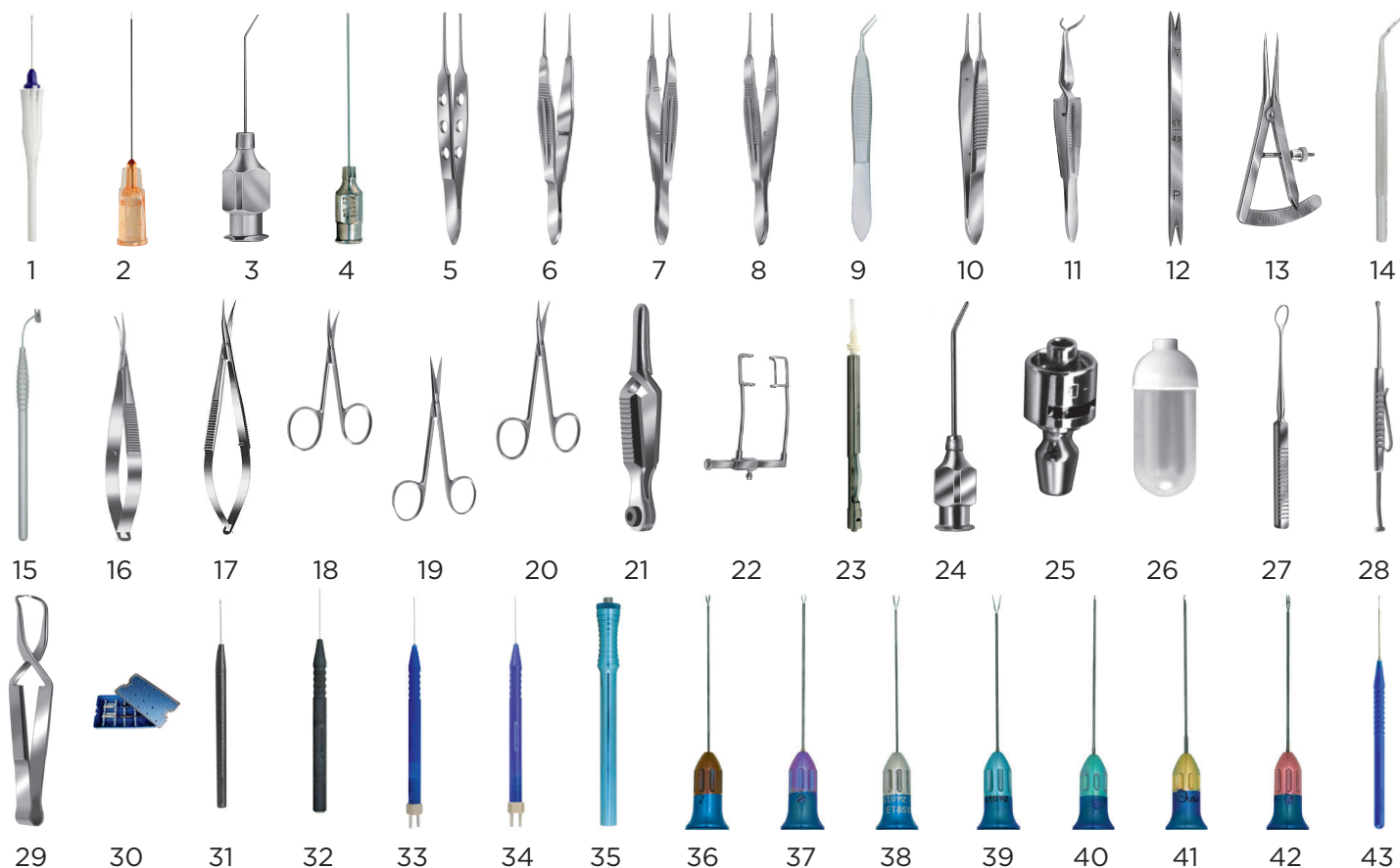
Catalog #	Description
1. 65023S-12	23 Gauge Endgripping Forceps Single-Use 12/box
2. BL7823	23 Gauge Soft Tip Cannula Single-Use
3. E0499 27	Air Injection Cannula, 27 Gauge
4. E0524 23G	23 Gauge Backflush Infusion Cannula
5. E1500	Bishop-Harmon Tissue Forceps Fine Straight
6. E1793 US	Castroviejo Fixation Forceps 0.3mm
7. E1796	Castroviejo Suturing Forceps 0.12mm
8. E1798 US	Castroviejo Suturing Forceps 0.5mm
9. E1815 AKUS	Kelman-McPherson Tying Forceps Angled
10. E1815 S	McPherson Tying Forceps Straight
11. E1983	Landers Vitrectomy Lens Forceps
12. E2402	Braunstein Fixed Caliper 3.5/4.0mm
13. E2404	Castroviejo Caliper
14. E2424	Josephberg-Hilton Stabilizing Plate
15. E2428	Awh Sutureless Sclerotomy Guide
16. E3320 R	Westcott Curved Tenotomy Scissors, Right
17. E3321	Westcott Type Stitch Scissors
18. E3405	STORZ® Curved Iris Scissors
19. E3424	STORZ® Straight Eye Scissors
20. E3562	Stevens Curved Tenotomy Scissors
21. E3900	STORZ® Serrefine
22. E4094	Murdoch Eye Speculum
23. E4812	Awh Backflush Handpiece Active/Passive

Catalog #	Description
24. E4922	Bishop-Harmon Irrigating Cannula
25. E4942	Adapter for Irrigators
26. E4944	Silicone Bulb
27. E5107	Flynn Scleral Depressor
28. E5108	Schocket Double Ended Scleral Depressor
29. E6774	Schaedel Towel Clamp
30. E7421	Microsurgical Retina Instrument Tray Double Layer 6 x 10 Inches
31. E7523	23 Gauge LASEREDGE® MVR Knife
32. E7930	23 Gauge Bipolar Pencil Tapered Lemo Single-Use 12/box
33. E7931	23 Gauge Bipolar Pencil Tapered 2 Pin Single-Use 12/box
34. ET8198H	StableGrip® Vitreoretinal Handle
35. ET8308	23 Gauge StableGrip® Micro Pic Forceps
36. ET8309	23 Gauge StableGrip® Asymmetrical Peeling Forceps
37. ET8310	23 Gauge StableGrip® ILM Forceps
38. ET8312	23 Gauge StableGrip® Endgripping Forceps
39. ET8314	23 Gauge StableGrip® Micro Forceps
40. ET8315	23 Gauge StableGrip® Vertical Scissors
41. ET8316	23 Gauge StableGrip® Curved Scissors
42. SUI03-12*	23 Gauge Asymmetric Peeling Forceps Single-Use 12/box
43. SUK01*	23 Gauge Membrane Pick 130° Single-Use 8/box

*Not Available in Canada

Instrument Sets BY PROCEDURE

VITREORETINAL: 25 GAUGE



Catalog #	Description
1. 65025S-12	25 Gauge Endgripping Forceps Single-Use 12/box
2. BL7725	25 Gauge Soft Tip Cannula Single-Use
3. E0499 27	E0499 27 Air Injection Cannula, 27 Gauge
4. E0524 25GA	25 Gauge Back Flush Cannula
5. E1500	Bishop-Harmon Tissue Forceps Fine Straight
6. E1793 US	Castroviejo Fixation Forceps 0.3mm
7. E1796	Castroviejo Suturing Forceps 0.12mm
8. E1798 US	Castroviejo Suturing Forceps 0.5mm
9. E1815 AKUS	Kelman-McPherson Tying Forceps Angled
10. E1815 S	McPherson Tying Forceps Straight
11. E1983	Landers Vitrectomy Lens Forceps
12. E2402	Braunstein Fixed Caliper 3.5/4.0mm
13. E2404	Castroviejo Caliper
14. E2424	Josephberg-Hilton Stabilizing Plate
15. E2428	Awh Sutureless Sclerotomy Guide
16. E3320 R	Westcott Curved Tenotomy Scissors, Right
17. E3321	Westcott Type Stitch Scissors
18. E3405	STORZ® Curved Iris Scissors
19. E3424	STORZ® Straight Eye Scissors
20. E3562	Stevens Curved Tenotomy Scissors
21. E3900	STORZ® Serrefine
22. E4094	Murdoch Eye Speculum
23. E4812*	Awh Backflush Handpiece Active/Passive

Catalog #	Description
24. E4922	Bishop-Harmon Irrigating Cannula
25. E4942	Adapter for Irrigators
26. E4944	Silicone Bulb
27. E5107	Flynn Scleral Depressor
28. E5108	Schocket Double Ended Scleral Depressor
29. E6774	Schaedel Towel Clamp
30. E7421	Microsurgical Retina Instrument Tray Double Layer 6 x 10 Inches
31. E7525	25 Gauge LASEREDGE® MVR Knife
32. E7920	25 Gauge Bipolar Diathermy Tapered Tip Lemo
33. E7924	25 Gauge Bipolar Pencil Tapered Lemo Single-Use 12/box
34. E7925	25 Gauge Bipolar Pencil Tapered 2 Pin Single-Use 12/box
35. ET8198H	StableGrip® Vitreoretinal Handle
36. ET8508	25 Gauge StableGrip® Micro Pic Forceps
37. ET8509	25 Gauge StableGrip® Asymmetrical Peeling Forceps
38. ET8510	25 Gauge StableGrip® ILM Forceps
39. ET8512	25 Gauge StableGrip® Endgripping Forceps
40. ET8514	25 Gauge StableGrip® Micro Forceps
41. ET8515	25 Gauge StableGrip® Vertical Scissors
42. ET8516	25 Gauge StableGrip® Curved Scissors
43. SUK02*	25 Gauge Membrane Pick 130° Single-Use 8/box

*Not Available in Canada

INDEX

Alphabetical304

Catalog/Number 311

ALPHABETICAL

6mm Infusion Line	30
18 Gauge Bipolar Pencil Curved 2 Pin	162
18 Gauge Bipolar Pencil Straight 2 Pin	162
20/23 Gauge Bipolar Pencil Tapered 2 Pin	162
20 Gauge Curved Scissors	223
20 Gauge Vertical Scissors, Low Glare	223
23 Gauge Bipolar Pencil Tapered 2 Pin	162
23 Gauge Bipolar Pencil Tapered Lemo	163
25 Gauge Bipolar Diathermy Tapered Tip Lemo	163
25 Gauge Bipolar Pencil 2 Pin	163
45 Degree Single Edge Diamond Knife	74

A

Active/Passive Aspiration Handpiece	142
Adapter for Irrigators	23
Adapter for Titanium Handpiece	131
Adjustable Specula	252
Aebli Corneal Section Scissors	215
Aebli Straight Corneal Scissors	212
Agricola Lacrimal Sac Retractor	197
Air Injection Cannula	8
Akahoshi Hydrodissection Cannula	19
Akahoshi Prechop Forceps Straight	40
Alabama University Utility Forceps	127
Alfonso Eye Speculum Newborn	258
Algerbrush Pterygium Burr Medium Diamond	208
Algerbrush Rust Ring Remover	208
Algerbrush Rust Ring Remover Replacement Burr	208
Allen-Schioetz Tonometer	268
Anderson-Barrett Manipulator	41
Anderson Step Diamond Knife	70
Anesthesia Needles	8
Ang Femtocataract Corneal Dissector	78
Angled Diamond Keratome	72
Angled Flat Tip Hydrodissection Cannula	20
Angled Hydrodissection Cannula	19
Anterior Chamber Cannula 25 Gauge	9
Anterior Chamber Cannulas	9
Anterior Chamber Needles Angled	10
Aspirating Adapter	131
Aspirating Cannulas	12
Aspirating Handpiece	130
Aspiration Handpiece Polishing Tip	130
Aspiration Handpieces	137
Aspiration Tubing for Speculum	252
Atkinson Retrobulbar Needle	8
Awh Backflush Handpiece Active/Passive	140
Awh Backflush Handpiece Active Tubing	141
Awh Sutureless Sclerotomy Guide	3, 164
Axis Marker	66
Ayres Needle Holder Scissors	174
Azar Needle Holder	176

B

Backflush Handpiece Brush Cannula	141
Backflush Handpiece Passive	141
Backflush Handpiece Passive Tubing	141
Backflush Infusion Cannula	12
Bailey Lacrimal Cannula	184
Baird Chalazion Forceps	184
Bard-Parker Handle	147
Barraquer Cilia Forceps	90
Barraquer Cyclodialysis Spatula	243
Barraquer Eye Speculum	259
Barraquer Eye Speculum Pediatric	258, 259
Barraquer Iris Scissors	220
Barraquer Iris Spatula	244
Barraquer Lid Speculum	259
Barraquer Needle Holder	174, 176

Barraquer Needle Holder Serrated Handle	176
Barrett Hydrodelineation Cannula	20
Barrett Lens Cannula	20
Barrett Micro Mushroom Manipulator	47
Barrett Mini Aspirator	13
Base Plug	270
Bechert-McPherson Tying Forceps Angled	120
Bechert Nucleus Rotator	47
Bechert Nucleus Rotator Titanium	47
Bechert-Sinsky Needle Holder	174
Belz Lacrimal Sac Rongeur	197
Benger Probe Hook	184
Benger Probe Set	184
Berdahl Gonio Prism Stabilizer	164
Berke-Jaeger Lid Plate	196
Berke Ptosis Forceps	185
Beyer Pigtail Probe	185
Bimanual Handpiece Aspirating	130
Bimanual Handpiece Irrigating	131
Binkhorst Hooked Cannula Left	15
Bipolar	82
Bipolar Coaptation Forceps	82
Bipolar Cord	164
Bipolar Cord Reusable	82
Bishop-Harmon Dressing Forceps	96
Bishop-Harmon Irrigating Cannula	24
Bishop-Harmon Irrigating Hydrodissection Cannula	20
Bishop-Harmon Tissue Forceps Delicate Straight	97
Bishop-Harmon Tissue Forceps Fine Curved	97
Bishop-Harmon Tissue Forceps Fine Straight	98
Bishop-Tendon Tucker	110
Blade Holders	144
Blumenthal Anterior Chamber Maintainer	10
Bodian Mini-Lacrimal Probes	185
Boehnke-Mendez Domed Degree Marker	3
Bonacollo Utility Forceps	127
Bonn Forceps	115
Bonn Iris Hook	48
Bonn Suturing Forceps 0.12mm	115
Bonn Suturing Forceps 0.12mm Titanium	115
Bowman Lacrimal Probes	185, 186
Bracken Anterior Chamber Cannula	10
Bracken Curved Iris Forceps	107
Braga-Mele 20 Gauge Side Out Chopper	41
Braga-Mele Quick-Chopper	42
Braunstein Fixed Caliper	2
Breakable Blades Stainless Steel	144
Brightbill Corneal Cutting Block	270
Brody Multipurpose Manipulator	48
Brown, A.W. Nucleus Cracker	40
Brown Dissection Cannula	20
Bunge Evisceration Spoon	240
Buratto Insertion Forceps Angled	103

C

CALIPERS, GAUGES & RULERS	2
Cannula Protector	27
CANNULAS	7
Capsule Forceps	84
CapsuleGuard® I/A Handpiece	34, 136
CAPSULE POLISHERS	33
Capsule Polisher Sideport	35
Capsule Polishers Reusable	35
Capsule Polishers Single-Use	34
Capsule Scissors 10mm Angled Blades	230
Capsulorhexis Forceps	85
Capsulorhexis Forceps MICS™	88
Capsulorhexis Forceps MICS™ Curved	88
Capsulorhexis Forceps Tip 13mm Shaft	88

Capsulorhexis Forceps Tip 15mm Shaft	88
Capsulorhexis Forceps with Markings	85
Capsulorhexis MICS™	88
Carlson DSEK Graft Forceps.....	91
Carlson DSEK Smoother	242
Carter Cell Sweeper 0°	35
Carter Cell Sweeper 90°/90°	35
Carter Sphere Introducer and Holder	165
Castroviejo Angled Corneal Scissors.....	212
Castroviejo Blade Breaker and Holder.....	144
Castroviejo Caliper.....	2
Castroviejo Corneal Scissors Right	212
Castroviejo Corneal Section Scissors	216
Castroviejo Corneal Section Scissors 18mm	216
Castroviejo Curved Capsule Forceps	84
Castroviejo Curved Corneal Scissors.....	212
Castroviejo Curved Corneal Scissors Universal.....	213
Castroviejo Cyclodialysis Spatula	244
Castroviejo Dissector.....	78
Castroviejo Double Ended Lacrimal Dilator.....	186
Castroviejo Fixation Forceps 0.3mm.....	98
Castroviejo Fixation Forceps 0.5mm.....	98
Castroviejo Keratoplasty Scissors.....	213
Castroviejo Marking Caliper Curved.....	2
Castroviejo Mini Corneal Scissors	213
Castroviejo Mini Keratoplasty Utility Stitch Scissors.....	225
Castroviejo Needle Holder.....	177, 179, 180, 182
Castroviejo Speculum.....	252
Castroviejo Suturing Forceps.....	115
Castroviejo Suturing Forceps Angled.....	116
Castroviejo Suturing Forceps Bayonet	116
Castroviejo Suturing Forceps Narrow.....	116
Castroviejo Suturing Forceps Titanium	116, 117
Castroviejo Synechia Spatula.....	244
Catalano Intubation Set.....	186
Catalano Micro Tying Forceps Straight	120
Chang Hydrodissection Cannula	21
Charlie Forceps II	91
Chee Femto Hydro Crack Cannula.....	27
Choppers - Lens	41
CHOPPERS, MANIPULATORS & HOOKS	39
Choppers - Prechoppers.....	40
Cilia Forceps	90
Cindy Scissor	213
Cindy Sweeper for DSEK	242
Clayman Guide.....	48
Clayman Spatula.....	247
Clayman-Vannas Scissors	231
Clayman Westcott Curved Scissors.....	222
Cleasby Iris Spatula	245
Coaxial Handle Fixed.....	88
Cohan Corneal Utility Forceps Colibri Style	91
Cohan Needle Holder Mini.....	177
Cohan-Vannas Curved Iris Scissors.....	220
Cohen LASIK Relift Tool	245
Colibri Forceps 0.12mm	92
Colibri Forceps 0.12mm Long Handle	92
Connor Anesthesia Cannula.....	8
Conway Lid Retractor.....	200
Cook Eye Speculum	256
Corneal Cannulas.....	14
Corneal Crouch Protector.....	196
Corneal Forceps	91
Corneal Marker 8.0mm	64
Corneal Marker 8.5mm/9mm	64
CORNEAL MARKERS	63
Corneal Refractive Knives.....	70
Corneal Scissors	212
Corneal Section Scissors.....	215
Corneal Shields Pediatric.....	165
Corneal Spatulas, Picks.....	242
Cortex Cannula 23 Gauge.....	28

Cortex Extractors.....	15
Cozean-McPherson Angled Lens Forceps	103
Crouch Corneal Protector Adult	165
Culler Iris Spatula	245
Culler Rectus Muscle Hook 7mm	59
Cunningham Punctal Probe	166
Cunningham Ring Curette.....	165
Curved Dressing Forceps with Serrations	97
Curved Micro Blunt Chopper.....	42
Cutting Blocks for Iowa Press	270
Cyclodialysis Spatulas, Picks	243
Cystotome Irrigating Blunt.....	146
Cystotome Irrigating Capsulorhexis	145
Cystotome Irrigating Curved Twisted Tip.....	146
Cystotome Irrigating Formed.....	146
Cystotome Irrigating Formed Reverse	146
Cystotome Irrigating Formed Short Radius	147
Cystotome Irrigating Straight	147
Cystotomes	144
Cystotomes Single-Use.....	145

D

Dankner Cannula With Handle.....	15
Dankner Panariello 12 O'Clock Cortex Cannula.....	15
Daya Femto Dissector	17
Daya Femto Incision Separator	166
Daya Femto Trans-Lens Hydro Cannula.....	17
Daya ICL Cannula	28
Delicate Needle Holders.....	174
Demarres Chalazion Forceps - 24mm.....	186
Derf Needle Holder	182
Desai DSEK Forceps	92
Desmarres Lid Retractor	200
Desmarres Lid Retractors	196
Devers-Terry Dissector Curved	78
Devers-Terry Dissector Straight.....	78
Devgan Intraocular Suturing Hook.....	48
Devgan-Lieberman Lid Speculum.....	252
Devgan Micro Capsulorhexis Forceps.....	89
Devgan-Seibel Fixation Ring	204
Devgan Universal Cataract Chopper/Multi-Tool.....	42
Devine Micro Capsulorhexis Forceps Sharp Tips.....	89
DeWecker Iris Scissors	220
Diamond Burr Pterygium	208
DIAMOND KNIVES.....	69
Dieffenbach Serrefine.....	119
DISSECTORS.....	77
Donnenfeld LRI Diamond Knife.....	70
Dressing Forceps.....	96
Drews Cystotome.....	144
Drysdale Nucleus Manipulator	49
Drysdale Nucleus Manipulator Titanium	49

E

Econo Trifacet Diamond Knife	74
Ellis Foreign Body Spud	208
Elschnig Cyclodialysis Spatula	244
Elschnig Fixation Forceps Narrow.....	98
Endgripping Forceps 20 Gauge	111
Enucleation Scissors	218
enVista® IOL Lens Positioner	166
enVista® IOL Loading Forceps	104
ERGOTEC Cleaning Adaptor	166
Erickson-Lee Pigtail Lacrimal Probe CCW	187
Erickson-Lee Ptosis Clamp.....	187
Extrusion Handpiece 20 Gauge Tapered.....	141
Eye Garter Shield Cover	167
Eye Garter Shield Cover & Fox Shield.....	167
Eye Speculum.....	252
Eye Speculum Adjustable with Aspiration.....	252

F

Fasanella Lacrimal Cannula.....	187
Fekrat Retinal Pick.....	249
Femto Cannulas.....	17
Fenzl Insertion Hook.....	49
Fine-Castroviejo Suturing Forceps.....	117
Fine Corneal Carrying Case.....	168
Fine Needle Holders.....	176
Fine-Thornton Fixation Ring.....	204
Fine Tying Forceps.....	121
Fixation Rings.....	204
Fixation/Tissue Forceps.....	97
Flieringa, Scleral Rings.....	205
Floyd-Barraquer Eye Speculum.....	260
Flynn Scleral Depressor.....	234
Fogla Air Injection Cannula.....	14
Fogla DMEK Cannula.....	14
Fogla DM Stripping Hook.....	242
Fogla Pointed Dissector.....	79
Fogla Scissors.....	214
Fogla Stromal Fixation Forceps.....	93
Fogla Trifacet Spatula.....	242
FORCEPS.....	81
Foreign Body Curette - 1.0mm Cup.....	187
Foreign Body Scissors.....	219
Foster Enucleation Snare.....	240
Fox Eye Shield.....	167
Francis Chalazion Forceps.....	188

G

Gass Retinal Detachment Hook.....	59
GAUGES.....	3
Gill Corneal Knife Curved.....	148
Gill Curved Iris Forceps With Serrations.....	107
Gills-Welsh Cannula.....	15
Gills-Welsh Capsule Forceps Colibri Style.....	84
Gills-Welsh Lens Loop with Olive Tip.....	158
Gills-Welsh Olive Tip Cannula.....	24
Gills-Welsh Vannas Scissors Micro Angled.....	231
Gimbel Capsulorhexis Forceps.....	85
Gimbel Forward Irrigating Cannula 27 Gauge.....	16
Girard Corneoscleral Forceps Colibri Style.....	93
Girard Fine Tying Forceps.....	121
Girard Tying Forceps.....	121
Golf Club Spud.....	209
Gonzalez Choroidal Hematoma Depressor.....	235
Gonzalez ILM Splitter.....	250
Gonzalez Suture Assist Hook.....	49
Graduated Carafe.....	168
Graefe Fixation Forceps Narrow 3.5mm No Lock.....	99
Graefe Fixation Forceps Wide 4.5mm Lock.....	99
Graefe Fixation Forceps Wide 4.5mm No Lock.....	99
Graefe Strabismus Hook.....	60
Graether Collar Button.....	58
Graether Collar Button Angled.....	58
Graether Collar Button On Handle.....	58
Graether Collar Button On Handle Angled.....	58
Grayson Biaxial Combo Manipulator.....	50
Grayson Combo Manipulator Titanium.....	50
Grayson Lehner Capsulorhexis Forceps.....	85
Grayson Nucleus Manipulator.....	50
Green Fixation Forceps.....	99
Green Strabismus Hook 7mm Wide.....	60
Groden LASIK Spatula.....	246
Guarded Clear Corneal Knife 2.85mm Double Bevel.....	150
Guarded Crescent Knife Angled Bevel Up.....	150
Guarded Slit Knives.....	152
Guarded Stab Knife 15°.....	154
Guarded Trapezoidal Knife 2.0-2.2mm Angled.....	154
Gulani LASIK Marker.....	65

H

Hagan Suction Cannula.....	16
Halstead Curved Hemostatic Mosquito Forceps.....	109
Hampton Needle Holder.....	180
HANDPIECES.....	129
Harms Corneal Utility Forceps Colibri Style.....	93
Harms Trabeculotome Set.....	168
Harms-Tubingen Tying Forceps.....	121
Hartman Straight Hemostatic Mosquito Forceps.....	110
Heath Chalazion Forceps.....	188
Heavy Needle Holders.....	182
Hirschman Iris Hook.....	50
Hirschman Jeweler Type Forceps Extra Fine.....	107
Hooks - Muscle.....	59
Horizontal Y-Hook Nucleus Manipulator.....	50
Hosford Double Ended Lacrimal Dilator.....	188
Hu Capsule Polisher.....	36
Hu Femto Hydrodissection Cannula.....	18
Hu Femto Side-Port Chopper.....	42
Hunt Chalazion Forceps.....	188
Hydrodissection Cannula.....	21
Hydrodissection Cannulas.....	19
Hydrodissection Cannula Straight.....	21
Hydro Insertion Forceps.....	104
Hydroview Insertion Forceps Titanium.....	104

I

I/A Handpiece Other Systems.....	138
Iliff-Wright Fascia Needle.....	169
Implant Knives.....	149
Implant Removal Forceps.....	104
Incision Gauge Set.....	3
Infusion Cannula.....	23
Infusion Cannula 4.0mm.....	31
Intraocular Instrument Tip Guard.....	169
Intraocular Lens Forceps.....	103
Intraocular Lens Scissors.....	219
Iodine Cup 6 oz.....	168
IOL Forceps.....	105
Iowa P.K. Press Punch.....	270
Iowa State Fixation Forceps.....	99
Iris Forceps.....	107
Iris Retractors.....	201
Iris Scissors.....	220
Iris Scissors Sharp.....	221
Iris Spatula.....	245
Iris Spatulas, Picks.....	244
Irrigating/Aspirating Cannulas.....	26
Irrigating/Aspirating Handle.....	132
Irrigating/Aspirating Handle Stellaris® System.....	132
Irrigating/Aspirating Handpiece 17 Gauge.....	135
Irrigating/Aspirating Polisher.....	132
Irrigating/Aspirating Polisher for Sleeve.....	132
Irrigating/Aspirating Tip 16 Gauge.....	133
Irrigating/Aspirating Tip 17.5 Gauge.....	133
Irrigating/Aspirating Tip 20 Gauge for Sleeve.....	134
Irrigating/Aspirating Tip 21 Gauge for Sleeve.....	134
Irrigating/Aspirating Tip Soft.....	135
Irrigating/Aspirating Handpiece Adapter Tubing.....	131
Irrigating Cannula Handpiece.....	28
Irrigating Cannulas.....	23
Irrigating Handpiece.....	131
Irrigation Handpieces Other Systems.....	138
Irrigation Handpieces Stellaris® System.....	137

J

Jackson Lacrimal Intubation Set.....	188
Jaeger Lid Plate.....	196
Jameson Caliper.....	2
Jameson Muscle Forceps.....	110
Jameson Muscle Hook.....	60
Jameson Muscle Hook Smal.....	60

Jensen Capsule Polisher.....	36
Jeweler Forceps.....	107
Jeweler Type Bipolar Forceps.....	82
Jeweler Type Bipolar Insulated Forceps.....	82
Jeweler Type Forceps.....	108, 109
Jeweler Type Forceps Extra Fine.....	108
Jeweler Type Forceps Fine Curved.....	108
Jewelewicz Rosen Chopper.....	43
John DMEK Base.....	271
John DMEK Cutting Block.....	271
John DMEK Dextome.....	243
John DMEK Lifting Forceps.....	93
John DMEK Manipulator.....	51
John DMEK Scroller.....	238
John DMEK Separator.....	243
John DMEK Smoother.....	243
Johnson Lacrimal Probe.....	189
Johnson Spatula.....	248
Josephberg Hilton Stabilizing Plate.....	169
J Shaped Straight Hydrodissection Cannula.....	22

K

Kalt Needle Holder.....	180
Kansas Nuclear Fragment Forceps.....	84
Katzin-Barraquer Corneal Utility Forceps Colibri Style.....	94
Katzin Curved Corneal Transplant Scissors.....	214
Kaufmann Corneal Cutting Block.....	271
Kavanagh Nucleus Sustainer/Chopper.....	43
Kavanagh Reversible Speculum.....	253
Keizer-Lancaster Eye Speculum.....	256
Kellan Hydrodissection Cannula.....	22
Kelly Descemet's Membrane Punch.....	271
Kelman Cystotome Knife.....	145
Kelman-McPherson Angled Suturing-Corneal Forceps.....	117
Kelman-McPherson Tying Forceps Angled.....	122
Kelman-McPherson Tying Forceps Angled Titanium.....	122
Khan-Jaeger Lid Plate.....	197
Khan Scleral Shield.....	170
Kimura Platinum Spatula.....	246
Kirby Expressor Double Ended Hook and Loop.....	158
Kirby Intra-Capsular Lens Loop.....	158
Knapp Eye Speculum.....	260
Knapp Lacrimal Sac Retractor.....	197
Knapp Strabismus Scissors.....	224
KNIVES.....	143
Knives Reusable.....	147
Knives Single-Use.....	148
Knolle Anterior Chamber Irrigating Cannula.....	11
Knolle Lens Nucleus Spatula and Anterior Chamber Gauge.....	248
Knolle-Pearce Irrigating Lens Loop.....	158
Koch Phacoemulsification Spatula.....	248
Koch Stop and Chop Manipulator.....	43
Koch Stop and Chop Manipulator Titanium.....	44
Koch Stop & Chop Manipulator.....	43
Kratz-Barraquer Eye Speculum.....	260
Kratz-Barraquer Eye Speculum Pediatric.....	260
Kratz Capsule Scraper Sandblasted Tip.....	238
Kratz-Nichamin Speculum.....	260
Kuglen Iris Hook and Lens Manipulator.....	51
Kuglen Push Pull Hook.....	51
Kuglen Push Pull Iris Hook Titanium.....	51

L

Lacrimal Cannula.....	28
Lacrimal Cannulas.....	189
Lacrimal Cannulas Single-Use.....	190
Lacrimal, DCR, Oculoplastic.....	184
Lambert Chalazion Forceps.....	190
Lambert Sleeve Spreader.....	113
Lancaster Eye Speculum.....	256
Landers Vitrectomy Lens Forceps.....	113

Lane LASIK Cannula.....	24
LASEREDGE® Blade Tip Handle.....	148
LASEREDGE® Clear Corneal Knives.....	149
LASEREDGE® Crescent Knives.....	150
LASEREDGE® MVR Knives.....	151
LASEREDGE® Parallel Side Knife.....	151
LASEREDGE® Sideport Knives.....	151
LASEREDGE® Slit Knife.....	152
LASEREDGE® Stab Knives.....	153
LASEREDGE® Trapezoidal Knives.....	154
LASIK Markers.....	65
LASIK Spatulas, Picks.....	245
Lehner Temporal Speculum.....	260
Lehner-Utrata Capsulorhexis Forceps.....	86
Lehner-Utrata Capsulorhexis Forceps Round Handle.....	86
Lehner-Utrata Capsulorhexis Forceps Round Handle Titanium.....	86
LENS VECTUS.....	157
Lester Fixation Forceps 1 x 2.....	100
Lester Fixation Forceps 1 x 2 Non-Magnetic.....	100
Lester Fixation Forceps 2 x 3.....	100
Lester Lens Manipulator.....	51
Lester Lens Manipulator Angled.....	52
Lester Lens Manipulator Titanium.....	52
Lewicky Anterior Chamber Maintainer 23 Gauge.....	11
Lewis Lens Loop.....	158
Lid Oculoplastic.....	196
Lid Retractors.....	200
Lieberman Comfort Speculum.....	253
Lieberman Comfort Speculum Angled.....	253
Lieberman Speculum.....	253
Lieberman Speculum Angled.....	253
Lieberman Speculum Angled Solid Blade.....	254
Lieberman Speculum Angled Titanium.....	254
Lieberman Suturing Forceps.....	117
Lieppman Cystotome with Cystotome Guard.....	145
Lindstrom Cannula, 25 Gauge.....	29
Lindstrom Eye Speculum Aspirating.....	254
Lindstrom Interface Cannula.....	24
Lindstrom Lens Positioner.....	52
Littler Curved Dissecting Scissors.....	225
Loading Forceps.....	105
Locking Specula.....	256
LRI/Astigmatism Markers.....	66

M

MacGregor Conjunctiva Forceps.....	109
Machet Forceps.....	100
Mackool-Bechert Nucleus Rotator.....	48
Mackool Cataract/Capsular Support Hook.....	52
MacRae Flap Flipper.....	246
MacRae Ingrowth Scraper.....	238
MacRae LASIK Flap Spatula.....	246
MacRae LASIK Marker.....	65
MacRae LASIK Oval Well.....	65
MacRae Mini LASEK/PRK Well.....	65
MacRae Thin Flap LASIK Spatula.....	247
MADLAB Iris Retractor 5/pack.....	58
Male to Male Cannula Adapter.....	29
Male-to-Male Irrigating Cannula Adapter.....	29
Maloney Capsulorhexis Forcep.....	86
Maloney Keratometer.....	170
Maloney No-Hole Manipulator.....	53
Maloney Non-Aspirating Lid Speculum.....	254
Maloney Quick-Chop Chopper.....	44
Manhattan Eye and Ear Suturing Forceps.....	117
Manipulators.....	47
Manson-Aebli Corneal Section Scissors.....	217
Manson Double Ended Strabismus Hook.....	61
Martinez Double Ended Corneal Dissector Knife.....	79
Maumenee-Barraquer Vitreous Sweep Spatula.....	248
Maumenee Corneal Forceps Colibri Style 45 Degree.....	94

Maumenee Corneal Forceps Colibri Style 90 Degree	94
Maumenee Iris Hook 1.5mm Sharp	53
Maumenee-Park Speculum.....	256
Maumenee-Park Speculum Fenestrated	256
Maumenee Vitreous Aspirating Needle.....	13
McCabe Femto Visco Paddle Cannula.....	18
McCullough Utility Forceps	128
McGuire Corneal Scissors	214
McIntyre Angled Anterior Chamber Cannula.....	11
McIntyre Curved Lacrimal Cannula	190
McIntyre Handpiece	13
McIntyre Inner Cannula (with side port)	26
McIntyre Lacrimal Cannula.....	190
McIntyre Straight Anterior Chamber Cannula	12
McIntyre Straight Outer Cannula	26
McKinney Eye Speculum.....	257
McNeil Goldman Scleral & Blepharostat Ring	205
McPherson Angled Bipolar Forceps	83
McPherson-Castroviejo Miniature Corneal Section Scissors.....	217
McPherson Needle Holder	177
McPherson Suturing-Corneal Forceps.....	118
McPherson Tying Forceps	122
McPherson Tying Forceps Angled.....	122
McPherson Tying Forceps Angled Titanium.....	123
McPherson Tying Forceps Titanium.....	123
McPherson-Vannas Curved Iris Scissors.....	221
Medium Needle Holders	179
Mellinger Eye Speculum	257
Mellinger Eye Speculum Fenestrated.....	257
Membrane Peeling Forceps Serrated	113
Membrane Peeling Forceps Smooth	113
Membrane Pick 130°.....	249
Mendez Degree Gauge	4
Meyerhoeffer Chalazion Curette	191
Micro-Chop Lens Manipulator.....	44
Microsurgical Cannula Bar	264
Microsurgical Diamond Knife Tray.....	264
Microsurgical Instrument Tray.....	264, 265, 266
Microsurgical Instrument Tray Double Layer.....	266
Microsurgical Retina Instrument Tray.....	266
MICS™ Capsulorhexis Forceps Handle.....	89
MICS™ Capsulorhexis Forceps Tip with Seibel Ruler.....	89
MISCELLANEOUS	161
Miscellaneous Cannulas.....	27
Miscellaneous Forceps	109
Miscellaneous Markers	67
Miscellaneous Scissors	222
Moody Curved Fixation Forceps.....	100
Mosquito Forceps	109
Muldoon Lacrimal Dilator.....	191
Murdoch Eye Speculum.....	257
Muscle Forceps	110

N

Nagahara Chopper.....	140
Nagahara Nucleus Chopper	44
Nagahara Nucleus Chopper Titanium	45
Needle & Gouge Set - Gouge Tip.....	209
Needle & Gouge Set - Handle	209
Needle & Gouge Set - Needle Tip.....	209
Needle Holder	178, 181
Needle Holder Long Handle.....	178
NEEDLE HOLDERS.....	173
Nevyas Double Sharp Cystotome.....	145
New Orleans Eye and Ear Lens Loop.....	159
Nichamin Degree Gauge	4
Nichamin Double-Ended LRI/Toric Gauge.....	4
Nichamin Double-Ended LRI/Toric IOL Marker.....	67
Nichamin Double-Ended Nucleus Chopper Spatula	45
Nichamin Fixation Degree Gauge.....	204
Nichamin Hydrodissection Cannula	22

Nichamin Locking Lid Speculum	255
Nichamin LRI Diamond Knife	70
Nichamin Nucleus Divider.....	45
Nichamin Side Port Cannula	12
Nichamin Sideport Diamond Knife.....	75
Nichamin Wire Speculum Open	261
Nick Pick #2	243
Nordan Colibri Forceps.....	94
Nordan Needle Holder	178
Nordan Tying Forceps Curved	123
Nugent Utility Forceps.....	128

O

O'Connor Scleral Depressor-Marker	234
OCULOPLASTIC	183
O'Gawa Castroviejo Tying Forceps	123
O'Gawa Colibri Forceps.....	94
O'Gawa Lens Dialer	53
O'Gawa Needle Holder	175
O'Gawa Tying Forceps Curved	124
O'Gawa-Utrata Capsulorhexis Forceps	86
Olk Angled Retinal Pick.....	250
Orbital Elevator-Retractor.....	197, 201
Orbital Oculoplastic	197
Orbital Retractors	200
O Rings.....	132
Osher Bipolar Coaptation Forceps.....	83
Osher Capsule-Foreign Body Forceps.....	84
Osher Conjunctival Fixation Forceps 0.3mm	100
Osher Double-Ended Femto Wound Dissector.....	45
Osher Forceps Elschmig Teeth 0.12mm	101
Osher IOL Scissors	219
Osher "J" Cannula	16
Osher Lens Vacuuming Cannula	13
Osher Magnifier HD	170
Osher Needle Holder	175
Osher-Neumann Corneal Marker	67
Osher Nucleus Manipulator Straight.....	53
Osher-Seibel Folding Forceps	105
Osher Trifacet Tunnel Diamond Knife with Footplate	75
Osher Tying Forceps.....	124
Osher Universal Corneal Scissors	215
Osher "Y" Hook.....	53
Oyakawa LRI Diamond Knife	71

P

Paly 1/2 n 1/2 Eye Speculum	261
Palydowycz Finger Manipulator	54
Parekh Back Chopper.....	54
Parekh Visco Manipulator Cannula.....	25
Park Irrigating Cannula	25
Park Manipulator	54
Passive Aspiration Handpiece with Soft Tip Cannula	142
Paton Spatula	247
Paufique Suturing Forceps.....	118
Pendulum Toric Marker.....	67
Pepose Micro Capsule Polisher.....	36
Peribulbar Cannula	9
Per Procedure Tray MICS	170
Per Procedure Tray Standard Cataract.....	170
Phaco Knives.....	72
Phaco Spatula.....	249
Phaco Spatulas, Picks.....	247
PICKS	249
Pierse Colibri Forceps	101
Pierse Colibri Forceps Micro	101
Pierse Eye Speculum	261
Pierse Forceps Straight	101
Pierse Tying Forceps.....	124
Plug Base Extra for E3066.....	271
Plug Removal Forceps 25 Gauge.....	114
Polack Double Corneal Forceps Colibri Style	95

Polyethylene Tubing for Probes	191
Probst Refractive Cannula 27 Gauge	25
PROCEDURE SETS	275
Profile Angled Diamond Keratome	73
Profile Angled Trapezoid Diamond Keratome	73
Puntenney Tying Forceps Curved	124
Putterman Consecutive	
Conjunctivodacryocystorhinostomy Set	191
Putterman Eyelid Creaser	192
Putterman Gladstone Transmarginal Clamp	192
Putterman Levator Resection Clamp	192
Putterman Mullers Muscle Conjunctival Resection	
Ptosis Clamp	192

Q

Quickert Grooved Director	193
Quickert Lacrimal Intubation Probes	193

R

Randolph Cyclodialysis Cannula	29
Randolph Cyclodialysis Cannula More Flattened	29
Rappazzo Haptic Scissors	220
Reeh Stitch Scissors	226
Retinal Forceps	111
Retinal Hydrodissection Cannula	31
Retinal Scissors	223
RETRACTORS	199
Retrobulbar Cannula	9
Reusable Cataract Handpieces	130
Reusable Retina Handpieces	140
Reverse Sinskey Hook	55
Ring Markers	64
RINGS	203
Ruedemann Lacrimal Dilator	193
RULERS	6
RUST RING REMOVERS, SPUDS	207

S

Sadri IOL Manipulator	54
Safran Capsule Dissector	79
Safran Capsule Sweep Polisher	36
Sáles Stripper Paddle	55
Salvitti Akahoshi Prechop Forceps	40
Sauer Eye Speculum Infant	261
Sauer Suturing Forceps	118
Saunders Eye Speculum Premature Infant	257
Schaedel Towel Clamp	119
Scheie Anterior Chamber Cannula 27 Gauge	12
Schepens Forked Retractor	200
Schepens Orbital Retractor	201
Schepens Scleral Depressor Medium	234
Schocket Double Ended Scleral Depressor	234
SCISSORS	211
SCLERAL DEPRESSORS	233
Scleral Plug Forceps	114
Scobee Oblique Muscle Hook	61
SCRAPERS	237
Seibel 3-D Lid Speculum	255
Seibel 3-D Lid Speculum Ribbon Blade Compact	255
Seibel Ambidextrous Chopper	46
Shahinian Lacrimal Cannula	193
Sheets Irrigating Vectus	159
Sheets-Kelman-McPherson Tying Forceps	
Angled Titanium	125
Sheets-McPherson Tying Forceps Angled	125
Shepard Bipolar Forceps Straight	83
Shepard Curved Intraocular Lens Forceps	105
Shepard Incision Irrigating Cannula	25
Shepard IOL Insertion Forceps	106
Shepard Reversible Speculum	255
Shepard Tying Forceps	125
Shepard-Westcott Curved Tenotomy Scissors	227

Sheppard Conjunctival Forceps	101
Silicone Bulb	25
Silicone Capsule Polisher	35
Silicone Sleeve	132
Silicone Tubing (Non-sterile)	171
Silverstein MICS™ 1.8mm Capsulorhexis Forceps	90
Simcoe Capsule Scrubber	37
Simcoe Cortex Extractor	16
Simcoe Cortex Extractor 23 Gauge	17
Simcoe Double-Barreled Irrigating-Aspirating Unit	27
Simcoe Double-Barreled Irrigating-Aspirating	
Unit Reverse	27
Simcoe Double Ended Nucleus Loop	159
Simcoe Posterior Capsule Polisher	37
Simcoe Posterior Capsule Scrubber	37
Singh Akahoshi MICS Nucleus Cracker	40
Single-Use Cataract Handpieces	136
Single-Use Hydrodissection Cannula	21
Single-Use Retina Handpieces	142
Single-Use Vitreoretinal Forceps	111
Sinskey Hook	55
Sinskey Hook II Round Handle Titanium	55
Sinskey Hook II Titanium	56
Sinskey Iris and IOL Hook	56
Sinskey Iris and IOL Hook Curved	56
Sinskey Iris and IOL Hook Round Handle Titanium	56
Sinskey Iris and IOL Hook Titanium	56
Sinskey Nucleus Spatula	57
Skeele Curette	198
Slade Coaxial Chopper	41
Slade Laser LRI Dissector	80
Slade LASIK Cannula 25 Gauge	30
Slade Refractive Cannula	26
Slade Refractive Spatula	247
Slade Vertical Nucleus Cracker	41
Smith Expressor Hook	61
Snapper Lens Chopper	46
SNARES, SPOONS	239
Snyder 23 Gauge Forceps	102
Snyder 23 Gauge Suturing Forceps Curved	118
Snyder AC Scissors Tip	219
Snyder Needle Holder Tip	175
Snyder Stripping Forceps	95
Soft Tip Subretinal Fluid Aspirating Cannula	31
Spaide Pediatric Scleral Depressor	234
SPATULAS, PICKS	241
SPECULA	251
StableGrip® Forceps	112
StableGrip® Scissors	223
StableGrip® Slimline VR Handle	113
StableGrip® Slimline VR Handle	172, 224
StableGrip® Vitreoretinal Handle	224
StableGrip® Vitreoretinal Handle	114
Stahl Caliper	3
Stainless Steel Flexible Ruler	6
Steinert Folding Forceps	106
Stellaris® Bipolar Cord	164
Stellaris® I/A Handpieces	139
Stellaris® MICS™ I/A Handpieces	139
Stellaris® Systems	34
Stellaris® Systems Handpieces	136
Step 45 Degree Double Edge Diamond Knife	75
Step Trifacet Diamond Knife	75
STERILIZATION TRAYS	263
Stern-Castroviejo Suturing Forceps 0.5mm	119
Stevens Curved Tenotomy Hook	61
Stevenson Lacrimal Sac Retractor	198
Stevens Tenotomy Scissors	228
STORZ® Bonn Suturing Forceps 0.12mm	119
STORZ® Bonn Suturing Forceps 0.12mm Titanium	119
STORZ® Cataract Knife Guard	148
STORZ® Cilia Forceps Narrow	91

STORZ® Cilia Forceps Wide	91
STORZ® Corneal Forceps Colibri Style	95
STORZ® Double Fixation Hook	59
STORZ® Enucleation Scissors Curved Medium	218
STORZ® Enucleation Scissors Curved Strong	218
STORZ® Eye Scissors	229
STORZ® Eye Scissors Angled	229
STORZ® Fluid Filter	172
STORZ® Glaucoma Punch	272
STORZ® Intraocular Scissors	219
STORZ® IOL Cutter	220
STORZ® Iris Hook	57
STORZ® Iris Scissors	222
STORZ® Micro Serrefine	120
STORZ® Miniature Corneal Scissors	215
STORZ® Needle Holder	175, 178, 179, 181
STORZ® Schiøetz Tonometer	268
STORZ® Serrefine	120
STORZ® Stitch Scissors Curved	226
STORZ® Stitch Scissors Fine Straight	226
STORZ® Stitch Scissors Fine Straight Wide Handle	226
STORZ® Stitch Scissors Original	226
STORZ® Strabismus Scissors	225
STORZ® Toric Bubble Marker	68
STORZ® Trephine Blades	273
STORZ® Trephine Blades Long	273
STORZ® Twisted Snare Wire	240
STORZ® Tying Forceps Straight	125
STORZ® Tying Forceps Straight Heavy	126
STORZ® Universal Trephine Handle	272
STORZ® Utility Scissors	230
STORZ® Westcott Conjunctival Scissors	222
Strabismus Scissors	224
Straight Lacrimal Cannula -19 Gauge/23 Gauge	
Tapered	194
Straiko DMEK Cannula	14
Straiko Twin Ring Forceps	95
Suture Stitch Scissors	225
Sweeney Manipulator Cracker	46
Sweeney Manipulator Cracker Titanium	46
T	
Tanne Universal Trephine Blades	274
Temporal Approach Lid Speculum - Open Blade	261
Temporal Approach Lid Speculum Solid Blade	262
Temporal Approach Lid Speculum Wire Blade	262
Tenotomy Scissors	227
Tenzel Double Ended Periosteal Elevator	198
Terry Scraper Irrigating	238
Terry Scraper Non-Irrigating	238
Thin Blade Slit Knife	153
Thin Blade Trapezoidal Knives	155
Thin Blade Trapezoidal Knives 1.7-2.2-2.5mm Angled	155
Thornton Angled Fixation Forceps	102
Thornton Fine Fixation Ring	204
Thornton Intraocular Lens Forceps	106
Thornton Low Profile Marker 8 Line	68
Thorpe Caliper	3
Thorpe Conjunctival Fixation Forceps	102
Thorpe Corneal Fixation Forceps 0.12mm	102
Tip Protector	172
Tissue Forceps Delicate Straight	102
Tissue Forceps Heavy Straight	103
Tissue Forceps Non-Magnetic Straight	103
TONOMETERS	267
Tonometer Sterilization Tray	268
Tonometer Weight	268
Tooke Corneal Knife	148
Towel/Serrefine Forceps	119
Tran Femto Ergo Chopper	46
Trapezoid Diamond Keratome	72
TREPHINE BLADES	273

TREPHINES, PUNCHES	269
Triple Edge Arcuate Diamond Knife	71
Troutman Alpha-Chymotrypsin Cannula	26
Troutman-Barraquer Corneal Utility Forceps	
Colibri Style	96
Troutman-Castroviejo Corneal Section Scissors	218
Troutman-Castroviejo Corneal Section Scissors Left	217
Troutman Curved Conjunctival Scissors	223
Troutman Needle Holder	179, 181
Troutman Superior Rectus Forceps	110
Troutman Tying Forceps Curved	126
Tru-Size™ Angled Trapezoid Diamond Knife	74
Tying Forceps	120, 126
Tying Forceps Titanium	126, 127
Tyrell Iris Hook	57

U

Universal/Cataract Knives	74
Universal Eye Shield	168
Universal Folding Forceps	106
Universal Goffman Blue Eye Garter Shield Cover	
& Blue Eye Shield	167
Universal Handle for Blades	272
Universal Trephine Handle with Cottingham Punch	272
University of Kansas Corneal Forceps Colibri Style	96
Urretts-Zavalía Depressor and Fixation Pick	235
Utility Forceps	127
Utility Scissors	229
Utrata Capsulorhexis Forceps	87
Utrata Capsulorhexis Forceps Sharp Tips	87
Utrata Capsulorhexis Forceps Titanium	87
Utrata MICS™ Capsulorhexis Forceps	90
Utrata MICS™ Capsulorhexis Forceps Titanium	90

V

Vannas Capsulotomy Scissors Angled	231
Vannas Capsulotomy Scissors Curved	232
Vannas Capsulotomy Scissors Curved Blunt Tips	232
Vannas Capsulotomy Scissors Straight	232
Vannas Scissors	230
Vertical Y-Hook Nucleus Manipulator	57
Viscoelastic Cannula 27 Gauge	30
Viscoelastic Injection Cannula	30
Vitreoretinal Cannulas	30
Vitreoretinal Endgripping Forceps	112

W

Wallace Capsulorhexis Gauge	5, 64
Wallace Capsulotomy Diameter Marker	5, 64
Wallace Double-Ended Guardian & Quick Chopper	47
Wallace Guardian Chopper	47
Wallace LRI Diamond Knife	71
Wallace Mendez Degree Gauge	5
Watzke Sleeve Spreading Forceps	114
Weil Lacrimal Cannula	194
Weinstock Intraocular Tissue Forceps	103
Weinstock Intraocular Tying Forceps	127
Weinstock Nucleus Retractor	172, 201
Weinstock Wound Dissector	80
Weir Push/Pull Manipulator	57
Wells Enucleation Spoon	240
Welsh Cortex Extractor With Flat Olive Tip	17
Westcott Curved Tenotomy Scissors Right Micro	228
Westcott Tenotomy Scissors Curved	228
Westcott Tenotomy Scissors Curved Right	229
Westcott Tenotomy Scissors Curved Right	
Wide Handle	229
Westcott Type Stitch Scissors	227
Westcott Type Utility Scissors	230
West Lacrimal Cannula	194
Whitman Axis Marker	5, 66
Whitman Double-Ended LRI Marker	6, 66

Whitman Shepherd Double-Ended Capsule Polisher	37
Wiener Eye Speculum	258
Wilder Lacrimal Dilators	194
Wilder Lens Loop	159
Wilder Scleral Depressor	235
Wiles Hydrodissection Cannula	22
Wiles Hydrodissection Cannula MICS	23
Wiley Capsulorhexis Forceps	87
Wiley Femto Hydrodissection Cannula	18
Wiley Stabilizing Chopper	57
Williams Eye Speculum	258
Williams Lacrimal Probe	195
Wills Hospital Utility Forceps	128
Wills Hospital Utility Forceps Wide	128

Wilmer Angled Conjunctival and Utility Scissors	230
Wire Specula	258
Worst Pigtail Probe	195
Wortz Femto Visco Dissector	19
Wortz Femto Visco Dissector Cannula	18
Wortz Femto Wound Hydration Cannula	19
Wortz-Whitman Femto Hydro-Dissection Cannula	18
Wright Fascia Needle	169

Y

Yalon Hydrodissection Cannula 25 Gauge	23
--	----

Z

ZeroPhaco™ I/A Handpiece	140
Ziegler Double Ended Lacrimal Dilator	195

CATALOG/NUMBER

2-100	101	85901S19	137
2-100	101	85902S19	138
2-110	115	85902ST19	137
2-132	92	85903ST19	140
2-135	92	85910S	34, 136
2-410	123	85910ST	34, 136
2-420	123	85912S	34, 136
2-500	127	85912ST	34, 136
2-504	127	85913S	34, 136
2-700	106	85913ST	34, 136
2-718	104	85914S	34, 136
2-719	87	85914ST	34, 136
2-800	40	85915S	34, 136
3-200	181	85915ST	34, 136
3-202	181		
3-203	181	BL3160	132
3-205	178	BL3161	134
3-302	178	BL3162	134
3-303	178	BL3163	134
3-420	178	BL3164	133
6-250	55	BL3165	133
6-400	51	BL3166	133
6-700	170	BL3167	133
9-729	66	BL3168	133
9-781W	64	BL7725	31
33-202	181	BL7821	31
33-203	181	BL7823	31
33-302	178		
33-303	178	CX9430	164
52000S	252	D8109	132
65023S-12	111	DP9721	132
65025S-12	111	DP9722	133
85780S	137	DP9723	133
85783S	138	DP9724	133
85783ST	139	DP9725	133
85784S	138	DP9726	131
85784ST	139	DP9728	132
85786S	138	DP9730	133
85786ST	139	DP9731	134
85787S	138	DP9733	134
85787ST	137	DP9734	134
85790S	137	DP9739	135
85792S	137	DP9740	135
85794ST	139	DP9741	135
85795ST	139	DP9742	131
85806S	138	DP9744	132
85806ST	137	DP9745	132
85807S	138		
85807ST	137	E0058	144

E0071	144	E0499 27	8
E0100 E	74	E0499 30	8
E0103 E	74	E0504	29
E0104 ACC2.5	72	E0506	29
E0104 ACC2.5/29	72	E0508	238
E0104 ACC2.8	72	E0510	25
E0104 ACC2.8/31	72	E0511	36
E0104 ACC2.65	72	E0511 ED	36
E0104 ACC3.0	72	E0523	37
E0105 M	71	E0524 23G	12
E0108 LS	75	E0524 25GA	12
E0111	75	E0525	36
E0112	75	E0527	48
E0115	75	E0529	52
E0117	70	E0531	13
E0123	70	E0532	59
E0124	70	E0533	59
E0126	71	E0542	48
E0127	71	E0545	56
E0130 1.7/1.9	74	E0545 M	56
E0130 1.8/2.2	74	E0546	57
E0130 1.8MM	73	E0548	57
E0130 2.0/2.4	74	E0549	53
E0130 2.2MM	73	E0549 D	48
E0130 2.8	73	E0549 H	50
E0130 2.65	73	E0558	57
E0130 2.75/2.9	73	E0558 PS	37
E0141 2S	145	E0564	61
E0141 L	145	E0566	58
E0144 27	144	E0566 A	58
E0148	145	E0566 S	58
E0334	147	E0566 SA	58
E0390	148	E0567	51
E0396	148	E0569	53
E0398	148	E0570	54
E0421	168	E0570 N	45
E0474	244	E0571	51
E0478	80	E0572	49
E0479	242	E0577	53
E0480	79	E0578 L	44
E0481	247	E0578 R	44
E0484	243	E0579	53
E0485	244	E0580	59
E0485 .25	244	E0584	46
E0485 C	245	E0586	60
E0486 M	248	E0586 S	60
E0487 M	248	E0588	60
E0488	244	E0590	46
E0489	244	E0591	60
E0497	30	E0592	60

E0593.....	60	E0997.....	200	E1832.....	117	E2420.....	6
E0594.....	54	E1064.....	196	E1855.....	125	E2421.....	4
E0595.....	54	E1069.....	196	E1855 A.....	125	E2424.....	169
E0598.....	61	E1069 S.....	197	E1855 C.....	125	E2427.....	6, 66
E0600.....	61	E1091.....	246	E1856.....	120	E2428.....	3, 164
E0604.....	61	E1216.....	158	E1881.....	124	E2429.....	67
E0606.....	53	E1238.....	158	E1881 S.....	124	E2430.....	5, 66
E0608.....	250	E1308.....	220	E1882.....	126	E2431.....	68
E0609.....	250	E1317.....	93	E1884.....	124	E2432.....	4
E0615.....	159	E1400.....	97	E1885.....	121	E2433.....	3
E0616.....	250	E1404.....	97	E1887.....	126	E2488.....	169
E0621.....	43	E1406.....	97	E1888 C.....	121	E2490.....	169
E0622.....	247	E1408.....	97	E1888 S.....	121	E2500.....	185
E0629.....	49	E1410.....	97	E1890.....	128	E2504.....	185
E0631.....	158	E1416.....	107	E1892.....	128	E2506.....	192
E0636.....	48	E1420.....	102	E1897.....	125	E2508.....	192
E0640.....	245	E1422.....	103	E1900.....	128	E2509.....	192
E0642.....	79	E1475.....	107	E1901.....	128	E2510.....	192
E0644.....	159	E1500.....	98	E1904.....	127	E2515.....	187
E0645.....	36	E1500 C.....	97	E1906.....	127	E2516.....	187
E0646.....	35	E1502.....	97	E1912.....	128	E2517.....	187
E0647.....	35	E1506.....	96	E1914.....	128	E2604.....	186
E0648.....	158	E1553.....	100	E1918.....	127	E2610.....	188
E0649.....	158	E1560.....	99	E1943 22.....	101	E2614.....	188
E0650.....	159	E1562.....	99	E1947 1.....	108	E2618.....	188
E0651.....	42	E1564.....	101	E1947 3.....	108	E2630.....	190
E0664.....	159	E1572.....	99	E1947 3C.....	108	E2632.....	190
E0672.....	57	E1600.....	99	E1947 4.....	108	E2640.....	184
E0700.....	245	E1654.....	100	E1947 5.....	108	E2797.....	272
E0704.....	245	E1656.....	100	E1947 5H.....	107	E2798.....	271
E0706.....	245	E1684.....	98	E1947 7.....	108	E2959.....	105
E0707.....	248	E1686.....	110	E1947 T1.....	108	E2967.....	103
E0708.....	57	E1717.....	100	E1947 T3.....	108	E2975.....	105
E0712.....	248	E1724.....	99	E1947 T3C.....	108	E2976.....	105
E0713.....	43	E1730 US.....	102	E1947 T4.....	108	E2981.....	106
E0725.....	50	E1732 US.....	102	E1947 T5.....	108	E2988.....	106
E0726.....	45	E1735.....	109	E1961 HAP.....	220	E2990.....	78
E0729.....	46	E1736.....	109	E1983.....	113	E2998.....	166
E0730.....	248	E1783.....	116	E2002.....	87	E2999.....	80
E0740.....	41	E1785.....	116	E2002 C.....	86	E3001.....	79
E0741.....	41	E1790.....	103	E2002 G.....	85	E3002.....	78
E0747.....	44	E1791.....	127	E2002 M.....	90	E3046.....	247
E0749.....	42	E1793 US.....	98	E2002 R.....	86	E3048.....	168
E0750 NS.....	58	E1795 US.....	98	E2002 RC.....	86	E3050 6.00.....	274
E0756.....	42	E1796.....	115	E2002 S.....	87	E3050 6.25.....	274
E0757.....	54	E1796 WO.....	123	E2002 W.....	87	E3050 6.50.....	274
E0780.....	191	E1797 US.....	115	E2013H.....	89	E3050 6.75.....	274
E0781.....	191	E1798 S.....	119	E2013T.....	89	E3050 7.00.....	274
E0782.....	191	E1798 US.....	115	E2014.....	104	E3050 7.25.....	274
E0783.....	191	E1799.....	115	E2015.....	95	E3050 7.50.....	274
E0784.....	191	E1800.....	116	E2020 S.....	89	E3050 7.75.....	274
E0787.....	165	E1801.....	102	E2026.....	90	E3050 8.00.....	274
E0789.....	54	E1802.....	116	E2028.....	84	E3050 8.25.....	274
E0790.....	198	E1805 US.....	117	E2030.....	84	E3050 8.50.....	274
E0808.....	187	E1805 XDUS.....	117	E2039.....	91	E3050 8.75.....	274
E0813.....	208	E1805 XDWH.....	117	E2040.....	242	E3050 9.00.....	274
E0815 0.5.....	208	E1806.....	116	E2077.....	84	E3050 9.25.....	274
E0815 1.0.....	208	E1807.....	125	E2156.....	91	E3050 9.50.....	274
E0815 A.....	208	E1808.....	124	E2160.....	91	E3050 H.....	272
E0815 B.....	208	E1809 US.....	115	E2162.....	90	E3054.....	270
E0816 C.....	208	E1810.....	124	E2304.....	110	E3054 B.....	270
E0828 A.....	209	E1811 US.....	119	E2330.....	110	E3066.....	271
E0828 B.....	209	E1813 A.....	118	E2331.....	110	E3067.....	270
E0828 C.....	209	E1813 AKUS.....	117	E2334.....	110	E3068.....	271
E0840.....	209	E1813 SUS.....	118	E2335.....	110	E3095.....	272
E0846.....	208	E1815 A.....	122	E2401.....	3	E3096 6.00.....	273
E0980.....	196, 200	E1815 AB.....	120	E2402.....	2	E3096 6.50.....	273
E0981.....	196, 200	E1815 AKUS.....	122	E2403.....	2	E3096 6.75.....	273
E0982.....	196, 200	E1815 S.....	122	E2404.....	2	E3096 7.00.....	273
E0983.....	200	E1817 S.....	117	E2405.....	2	E3096 7.25.....	273
E0985.....	200	E1830.....	118	E2410.....	2	E3096 7.50.....	273
E0987.....	172, 201	E1831.....	118	E2414.....	3	E3096 7.75.....	273

E3096 8.00.....	273	E3231 R.....	215	E3556 I.....	228	E4006.....	256
E3096 8.25.....	273	E3232.....	214	E3560.....	228	E4007.....	256
E3096 8.50.....	273	E3233.....	214	E3562.....	228	E4033.....	205
E3096 8.75.....	273	E3243.....	222	E3570 I.....	225	E4034 12.....	205
E3096 9.00.....	273	E3289.....	215	E3571 I.....	225	E4034 13.....	205
E3096 9.25.....	273	E3289 M.....	217	E3572 I.....	225	E4034 14.....	205
E3096 9.50.....	273	E3290.....	215	E3576.....	224	E4034 15.....	205
E3096L 7.00.....	273	E3290 M.....	217	E3577.....	224	E4034 16.....	205
E3096L 7.25.....	273	E3300.....	216	E3578.....	224	E4034 17.....	205
E3096L 7.50.....	273	E3301.....	216	E3580.....	225	E4034 18.....	205
E3096L 7.75.....	273	E3304.....	216	E3584 I.....	230	E4034 19.....	205
E3096L 8.00.....	273	E3304 M.....	216	E3585 I.....	230	E4034 20.....	205
E3096L 8.25.....	273	E3304 MC.....	217	E3590 I.....	226	E4034 21.....	205
E3096L 8.50.....	273	E3305.....	216	E3592 I.....	226	E4034 22.....	205
E3096L 8.75.....	273	E3305 M.....	216	E3595 I.....	226	E4040.....	252
E3096L 9.00.....	273	E3305 MC.....	217	E3651.....	218	E4041.....	252
E3096L 9.25.....	273	E3305 X.....	216	E3652.....	218	E4050.....	258
E3096L 9.50.....	273	E3306.....	218	E3670.....	240	E4051.....	258
E3097.....	272	E3307.....	218	E3671.....	240	E4053.....	255
E3097 BP.....	270	E3311.....	217	E3705.....	197, 201	E4054 R.....	255
E3113.....	78	E3315.....	223	E3706.....	197, 201	E4055.....	261
E3114.....	78	E3316.....	222	E3720.....	240	E4056.....	256
E3118.....	213	E3320 L.....	228	E3740.....	240	E4058.....	256
E3119.....	55	E3320 R.....	228	E3742.....	240	E4064.....	260
E3121.....	95	E3320 RS.....	227	E3795.....	181	E4065.....	253
E3122.....	243	E3320 RWH.....	229	E3796.....	181	E4065 A.....	253
E3123.....	238	E3320 RX.....	229	E3797.....	181	E4065AS.....	254
E3124.....	238	E3321.....	227	E3797 LC.....	179	E4067.....	254
E3125.....	242	E3321 MWH.....	225	E3797 X.....	181	E4072.....	257
E3127.....	55	E3321 WH.....	227	E3802.....	180	E4073.....	257
E3128.....	242	E3322.....	230	E3807 W.....	175	E4075 R C.....	255
E3130*.....	92	E3323 R.....	228	E3807 WO.....	175	E4080.....	256
E3141.....	238	E3340.....	226	E3826.....	180	E4082.....	256
E3142.....	243	E3340 WH.....	226	E3827.....	174	E4086.....	257
E3143.....	243	E3343.....	221	E3827 CW.....	174	E4094.....	257
E3144.....	93	E3344.....	221	E3828 CW.....	174	E4100.....	258
E3145.....	271	E3347.....	221	E3828 CWO.....	174	E4105.....	260
E3146.....	51	E3349.....	220	E3828 SW.....	174	E4106.....	259
E3147.....	243	E3360.....	220	E3828 SWO.....	174	E4106 H.....	259
E3150.....	271	E3366.....	220	E3834.....	177	E4106 K.....	260
E3187.....	94	E3383 C.....	231	E3835.....	177	E4106 KT.....	261
E3190.....	94	E3383 S.....	231	E3836 C.....	177	E4106 N.....	260
E3191.....	96	E3386.....	232	E3836 CW.....	177	E4106 S.....	259
E3192 FT.....	121	E3387.....	232	E3839.....	181	E4106 ST.....	262
E3192 FTS.....	121	E3387 B.....	232	E3839 X.....	181	E4106 T.....	262
E3192 T.....	121	E3388.....	231	E3839 XWH.....	179	E4107.....	258
E3192 TS.....	121	E3388 GW.....	231	E3842.....	176	E4107 K.....	260
E3193.....	93	E3388 GWL.....	231	E3843.....	176	E4107 P.....	258
E3195.....	93	E3389.....	231	E3844.....	176	E4107 PS.....	259
E3196.....	94	E3390 A.....	230	E3845.....	176	E4108.....	260
E3197 US.....	96	E3391.....	219	E3848.....	180	E4109.....	261
E3199 GWUS.....	84	E3396 I.....	222	E3849.....	180	E4110.....	261
E3199 US.....	96	E3397 I.....	222	E3850.....	182	E4111.....	257
E3203 0.12.....	96	E3400 I.....	222	E3851.....	176	E4112.....	258
E3204.....	93	E3402 I.....	222	E3852.....	179	E4113.....	254
E3204 C.....	91	E3404.....	222	E3861.....	180	E4118 T.....	252
E3205.....	95	E3405.....	222	E3861 WH.....	177	E4121.....	261
E3207.....	101	E3406.....	222	E3861 WHMC.....	177	E4122.....	253
E3207 45.....	94	E3408.....	222	E3861 WHMS.....	177	E4181.....	185
E3207 90.....	94	E3410 I.....	229	E3862.....	177	E4182.....	185
E3215.....	95	E3412 I.....	229	E3864.....	182	E4198.....	186
E3217 L.....	214	E3416 I.....	229	E3876.....	182	E4199.....	186
E3217 R.....	214	E3418 I.....	229	E3884 C.....	175	E4204.....	186
E3218 L.....	212	E3424.....	229	E3885.....	175	E4205.....	186
E3218 MM.....	213	E3426.....	229	E3885 WL.....	175	E4210.....	195
E3218 R.....	212	E3436.....	229	E3897.....	120	E4211.....	195
E3219.....	215	E3450.....	230	E3900.....	120	E4212.....	195
E3220.....	213	E3490.....	212	E3904.....	119	E4213.....	195
E3221.....	213	E3506.....	214	E3915.....	110	E4220 00.....	193
E3222 R.....	212	E3550 I.....	228	E3916.....	110	E4220 1.....	193
E3223.....	212	E3552 I.....	228	E3920.....	109	E4220 2.....	193
E3231 L.....	215	E3554 I.....	228	E3922.....	109	E4220 3.....	193

E4220 4	193	E4595	198	E5689 A	168	E7550A	152
E4220 15	193	E4800	141	E5689 B	168	E7550ADB	152
E4221	185	E4800 T	141	E5690 U	167	E7550AG	152
E4222	184	E4804	141	E5691 A50	167	E7551A	152
E4223	184	E4812	140	E5691 W50	167	E7551ADB	152
E4223 J	189	E4812 T	141	E5691 W50BLF	167	E7551AG	152
E4251	195	E4895	16	E5692 D	167	E7551AT	152
E4251 B	191	E4897	25	E5693	167	E7552ADB	152
E4251 CB	185	E4901 23	11	E5693 W	167	E7553A	152
E4270	191	E4901 25	11	E5699	165, 196	E7556A	152
E4336	195	E4901 30	11	E5699 P	165	E7556ADB	152
E4340	186	E4902	19	E5754	268	E7557A	152
E4341	174	E4905	18	E5754 B	268	E7559A	152
E4343	166	E4910	18	E5754 C	268	E7560A	149
E4346	188	E4917	14	E5754 D	268	E7561A	149
E4360	194	E4918	14	E5754 I	268	E7562	149
E4361	194	E4919	18	E5755	268	E7563	149
E4362	194	E4922	24	E6000	249	E7572	154
E4366	193	E4923	25	E6001	249	E7575	151
E4370	191	E4924 25	14	E6002	250	E7582	154
E4395 3	26	E4924 27	14	E6003	250	E7587A	149
E4395 6	26	E4925	25	E6004	235	E7590	148
E4395 8	190	E4926	166	E6754	60	E7592	151
E4395 9	190	E4928	12	E6760	97	E7593	151
E4395 19	12	E4929	17	E6764	103	E7594	149
E4395 20	11	E4930	10	E6768	100	E7595	149
E4395 21	12	E4931	27	E6772	109	E7596	154
E4395 22	11	E4931 5	15	E6773	109	E7599	154
E4395 23	12	E4931 7	15	E6774	119	E7600	154
E4395 24	11	E4931 8	15	E7003	170	E7601	154
E4395 27	13	E4931 10	15	E7165	253	E7601G	154
E4398	172	E4933	47	E7165 A	253	E7602	154
E4399	27	E4937	47	E7184	194	E7603	154
E4400	189	E4937 M	48	E7250	148	E7700	155
E4401	193	E4940	18	E7406	266	E7701	155
E4404	189	E4942	23	E7407	264	E7746A	153
E4405	19	E4944	25	E7409	266	E7747A	153
E4406	189	E4951	8	E7411	266	E7749A	153
E4407	26	E4951 25	8	E7414	265	E7750A	153
E4408	194	E4958	13	E7415	264	E7751A	153
E4410	189	E4966	13	E7416 1	264	E7753A	153
E4411	184	E4967	16	E7416 2	265	E7754A	153
E4412 BL	15	E4968	15	E7418	265	E7756A	153
E4413 BAR	20	E4968 A	29	E7419 H	264	E7757A	153
E4414	26	E4968 H	15	E7421	266	E7759A	153
E4414 GW10	24	E4969	16	E7446	168	E7771	155
E4414 WS	17	E4969 CS	37	E7448	168	E7796	155
E4414 WS 25GA	20	E4969 L	16	E7500	150	E7797	153
E4416	189	E4969 R	37	E7510	150	E7918	162
E4417 L	21	E4971	27	E7510AT	150	E7918 C	162
E4417 L27	21	E4971 R	27	E7510D	150	E7920	163
E4417 R	21	E4981	10	E7510G	150	E7923	162
E4417 R27	21	E4982	9	E7515	153	E7924	163
E4417 S27	21	E4984	11	E7515G	154	E7925	163
E4418	194	E4989	24	E7515T	153	E7930	163
E4419	22	E4991	59	E7519	151	E7931	162
E4420	16	E4996	24	E7520	151	E8001	166
E4421 H	22	E4999	8	E7522	153	E8002	169
E4421 H27	22	E5008	201	E7523	151	E8709	114
E4421 S	12	E5100 10	234	E7525	151	E8989	164
E4421 S21	12	E5105	235	E7527	149	E9012	204
E4422	22	E5106	235	E7528	149	E9018	204
E4425 25	23	E5107	234	E7528G	150	E9022	67
E4426	187	E5108	234	E7529	149	E9022 12	67
E4429	23	E5109	234	E7530	153	E9022 16	67
E4429 22	172	E5112	234	E7530T	153	E9026 8	68
E4430	28	E5376	113	E7532	149	E9030	67
E4431	18	E5378	114	E7544A	152	E9036	5, 64
E4500	198	E5381 25	200	E7544ADB	152	E9045	5, 64
E4514	197	E5651	188	E7545	153	E9102	247
E4538	197	E5652	165	E7548ADB	152	E9103	246
E4590	197	E5654	186	E7549ADB	152	E9104	65

E9105	65	ET0571 A	52	ET4750 AP23	130	N5941 8A	171
E9106	238	ET0578 L	45	ET4750 I21	131	N5941 9A	171
E9108	65	ET0578 R	45	ET4753 A23	130	N5941 10	171
E9109	65	ET0584	46	ET4937	47	N5941 11A	171
E9110	246	ET0703	42	ET6005	49	N5941 12	171
E9111	246	ET0713	44	ET7405	52	N5941 12A	171
		ET0732	50	ET8190 H	88	N5941 13	171
ED7101	10	ET0734	47	ET8198H	114, 224	N5941 13A	171
ED7102	10	ET0735	47	ET8200H	113, 172, 224	N5941 14	171
ED7103	10	ET0736	43	ET8200 TL	112	N5941 14A	171
ED7104	10	ET0738	50	ET8202 TL	112		
ED7105	10	ET1088TS	88	ET8211 T L	112	PPT049	170
ED7106	10	ET1089T	88	ET8212 T L	111	PPT050	170
ED7109	147	ET1103	44	ET8216 TL	223		
ED7110	145	ET1104	41	ET8218 T L	223	S2050 1	82
ED7111	145	ET1106	46	ET8306CTL	219	S2050 1D	82
ED7112	146	ET1200	117	ET8306STL	219	S2050 9	82
ED7113	146	ET1202	90	ET8308	112	S2050 10A	83
ED7114	147	ET1203	56	ET8309	112	S2050 10S	83
ED7115	147	ET1207	123	ET8310	112	S2050 14A	83
ED7116	146	ET1208	49	ET8312	112	S2050 14S	83
ED7117	145	ET1211	56	ET8314	112	S2050 15	83
ED7118	146	ET1213	52	ET8315	223	S2050 B	82
ED7119	146	ET1305	100	ET8316	223	S2070 C	164
ED7120	146	ET1306	219	ET8508	112		
ED7121	146	ET1789CTL	118	ET8509	112	SUE02-12	115
ED7122	147	ET1789STL	102	ET8510	112	SUE03-12	126
ED7123	147	ET1796	116	ET8512	112	SUE04-12	122
ED7124	146	ET1797	116	ET8514	112	SUE05-12	124
ED7125 C	146	ET1798	116	ET8515	223	SUE06-12	88
ED7131	9	ET1807	125	ET8516	223	SUE07-12	85
ED7132	9	ET1811	119	ET8517	113	SUE08-12	88
ED7133	9	ET1815 A	123	ET8518	113	SUF01	43
ED7134	9	ET1815 AK	122	ET9019	204	SUF02	55
ED7135	9	ET1815 C	123	ET9020	204	SUF03	249
ED7136	9	ET1815 S	123	ET9044	204	SUF04	49
ED7138	9	ET1850	126	ET9079	65	SUF05	50
ED7140	17	ET1850 C	126			SUF06	57
ED7141	35	ET1852	126	MVS 1022	28	SUH01	259
ED7150	22	ET2002	87	MVS 1023	29	SUH04	252
ED7151	21	ET2002 RC	86	MVS 1031	23	SUI03-12	111
ED7152	21	ET2009	86	MVS 1033	23	SUI05-12	111
ED7153	35	ET2011	85	MVS 1035	23	SUI07-12	111
ED7154S	22	ET2012	89	MVS 1038A	31	SUI08-12	111
ED7155	20	ET2051 M	40	MVS 1046	114	SUI09-12	111
ED7156	22	ET2056A	40	MVS 1052	141	SUI10-12	111
ED7157	20	ET2057	40	MVS 1061L	131	SUI11-12	111
ED7158	21	ET2418	3	MVS 1063	135	SUI12-12	111
ED7159	21	ET2423	4	MVS 1063C	135	SUI13-12	111
ED7160	21	ET2425	5	MVS 1063S	135	SUJ02	142
ED7161	28	ET2900	104	MVS 1064	131	SUJ03	142
ED7162	20	ET2904	106	MVS1069	30	SUJ08	142
ED7164	19	ET2905	103	MVS1070	30	SUJ09	142
ED7170	30	ET2910	105	MVS1082	131	SUJ10	142
ED7171	29	ET2912	104	MVS1083	130	SUJ11	142
ED7182	30	ET2997	45	MVS1093 20	41	SUJ12	142
ED7183	19	ET3122	91			SUJ13	142
ED7184	28, 190	ET3126	64	N5941 1	171	SUJ14	142
ED7185	17	ET3199	92	N5941 1A	171	SUK01	249
ED7187	28, 190	ET3200	101	N5941 2	171	SUK02	249
ED7365	31	ET3584TL	175	N5941 2A	171	SUP03	140
ED7370	31	ET4065	254	N5941 4	171	SUP04	140
		ET4077	252	N5941 4A	171	SUP04ST	140
ET0524	51	ET4121	255	N5941 5	171		
ET0545	56	ET4600	170	N5941 5A	171		
ET0571	52	ET4750 A23	130	N5941 6	171		



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