



2018

**OPHTHALMIC
INSTRUMENTS**
+ IOLs & Consumables

OR MIDDLE EAST IOL EUROPE ASIA 100+ COUNTR
2000 ITEMS
REPAIR TITANIUM CONSUMABLES AFRICA
AUSTRALIA REUSABLE STEEL FAR EAST DISPOSABLE
NORTH AMERICA
DISPOSABLE TITANIUM MANUFACTURING REUSA
REUSABLE
100+ COUNTRIES ANTERIOR
SINGLE USE POSTERIOR LATIN AMERICA POSTERIOR
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2000 ITEMS
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WHO WE ARE?

Rumex International Co. is one of the leading manufacturers of ophthalmic handheld instruments and top quality consumables for eye surgery. With the headquarters based in Florida, USA we have branches and distributors in more than 70 countries all over the world.

Since 1994 for more than 20 years we are constantly developing products for all principal eye surgery techniques, together with top notch surgeons and industry experts. Our experienced engineering team and strong manufacturing facilities allow us to implement vital ideas and innovative trends of the ophthalmic industry.

Today our portfolio includes more than 2000 product items. We offer to our customers a wide range of titanium and stainless steel reusable instruments; Intraocular lenses (IOLs) and consumables; knives, disposable instruments, cannulas as well as vitreoretinal and sterilization care products.

WHY MORE THAN 17,000 DOCTORS ALL OVER THE WORLD CHOOSE RUMEX?

Superior quality products

Rumex is focused on providing the superior quality products to surgeons and medical professionals all over the world. The quality management system of Rumex International Co. is certified in correspondence with ISO 13485 for the design, manufacture and sale of surgical and microsurgical instruments as well as medical devices. Rumex production complies with FDA and CE international quality standards.

Lifetime warranty

All Rumex instruments have a lifetime warranty against manufacturing and material defects. Any instrument with such defect detected can be exchanged, free of charge for the repair or replacement.

Affordable innovations

Our products always stay affordable. Our state of the art technological process allows us to offer high quality innovative products at surprisingly reasonable prices.

Excellent Customer service and support

Our experienced multilingual customer service team is always there to help you make the right choice, get answers to your questions or assist with order placement and delivery. We are proud to work in a company helping doctors and making lives of patients better!

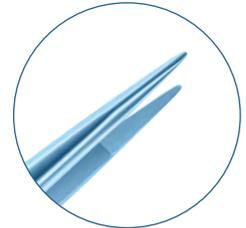


RUMEX INSTRUMENTS

ADVANTAGES AND HIGHLIGHTS

FORCEPS

Tungsten carbide coating on the tips prevents slipping and provides stable fixation. To provide stable fixation we prefer special coating of the tips – tungsten carbide. This coating is resistant during sterilization and has the best gripping and resistance results in comparison with surface ribbing or diamond dust.



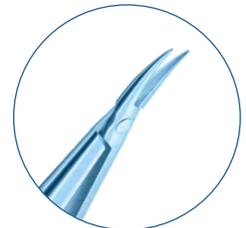
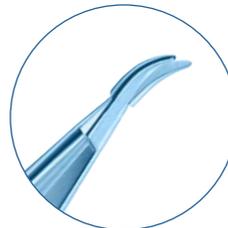
**SPECIAL COATING
FOR STABLE FIXATION**



NEEDLE HOLDERS

Rumex needle holders are made of titanium (anti-magnetic and light-weight). Thus a stainless steel needle would not “stick” to a needle holder made of titanium. For secure gripping of the needle we’ve chosen the tungsten carbide coating for the tips. Unlike other techniques of tips strengthening (as surface ribbing or diamond dust) tungsten carbide prevents the needle yawing and is resistant during sterilization.

**SPECIAL COATING
FOR SECURE GRIPPING**



DON'T “GRAB” A NEEDLE

CROSS-ACTION FORCEPS, SCISSORS AND NEEDLE HOLDERS

Our instruments are easily squeezed and spring due to special technology used for production of springs called cold-working. It allows to transform plastic properties of metal ribbon making it durable and hard.

SPRINGY & DURABLE



EASY TO SQUEEZE



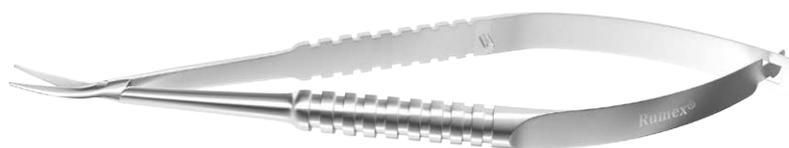
SCISSORS, PRECHOPPERS

Made of stainless steel only. The hardness of the material used for cutting blades should be 49-55 HRC* to allow for longer life span in regards to remaining sharp and resistant to deformation. In comparison, titanium hardness is only 38 HRC, hence the reason titanium is not recommended for scissors, vitreo and micro incision instruments, choppers, or prechoppers.

With the years of experience, we changed the technique of delicate blade sharpening. We now use an abrasive stone, Arkansas, unlike a diamond needle file in the past.



UP TO 10000 CUTS



CHOPPERS, SPATULAS, HOOKS

We combine the advantages of 2 materials for these instruments:

- hardened stainless steel tips are resistant to bending
- ergonomic and light weight titanium handles

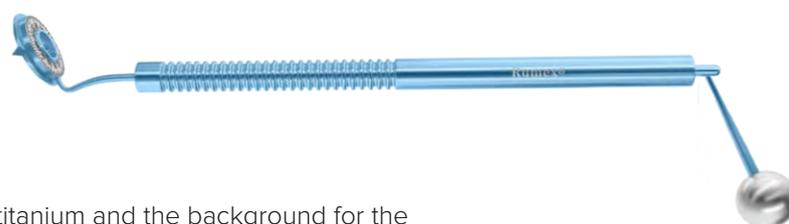


CALIPERS, GAUGES AND MARKERS

We use the best way of scale application – laser marking. We now use a special technique called “thermal influence” to increase the contrast and prevent the washing/rinsing away during the sterilization process. In contrast, other types of markings such as burning, engraving and pressing provide grooves that are wide enough for the scale, causing 3-5 degree mistakes when measuring.

EFFORTLESS AND ACCURATE MARKING

SHARPLY DEFINED SCALES



The working parts and shafts are made of titanium and the background for the scale is not colored (remains grey) to improve the contrast of the digits. Patented gravity weight at the back of pre-op and single-step markers precisely stabilizes the scale while not interfering with your grip; comfortable gripping of the shaft.



PATENTED

*HRC (Rockwell C Hardness) – a measuring unit of material hardness (i.e. resistance to penetration).

MICS AND VITREORETINAL INSTRUMENTS

Consist of a tip and a universal handle.

The branches of MICS, vitreoretinal forceps and scissors are manufactured from stainless steel, a material that ensures superior gripping/cutting function as well as the optimal stiffness and flexibility. Tips are available in 20/21/23/25 and 27 Ga.

The intraocular part of the tip is finished with an anti-glare matte coating which eliminates the risk of light reflection in the course of a surgery.

The universal handle is made of titanium. The property of this material contributes to durability of the entire instrument and minimizes its weight and consequently the surgeon's hand fatigue.

The universal handle can be used with any kind of Rumex tips – this is the optimal solution for moneywise customers. Tips can be detached from the handles for better cleaning and sterilization to prevent inflammation after the surgery and expand the lifespan of a tool.



GENTLE AND PRECISE

EASY CLEANING

USEFUL NOTES

Specification of instruments

3D models of instruments are used. Insignificant visual effects may differ the model from the real instrument. Due to continuous development and improvement, the given specification, the product design and construction are subject to change.

Titanium and Stainless Steel

Most of the instruments are made of titanium and marked with a letter 'T' in its product number. The titanium instruments have a tungsten-carbide covering which makes them stronger and durable. There are Stainless Steel instruments marked with 'S' and manufactured of highest quality stainless steel (made in Germany).

DataMatrix Barcodes

All instruments ordered in 2015 and afterwards have DataMatrix Barcodes engraved on its surface. Read more about it at www.rumex.com.

Trademarks

®™ All trademarks are property of their respective owners.



HOW TO PLACE AN ORDER

All the orders can be easily placed and paid online directly via www.rumex.com or through your local Rumex representatives.

Pricing

The prices are detected automatically by your location. The pricing policy may vary from region to region. Please register online or ask your local distributor for the current prices.

Shipping

We provide our retail customers with two delivery options: via local distributor or by direct shipment from our warehouses. Purchasing with our company is simple and convenient and processing orders quickly and efficiently is a matter of primary importance to us! Either finding your distributor or making a direct order, you are always welcome at www.rumex.com.

WARRANTY, RETURNS AND REPLACEMENTS

Warranty conditions

For all instruments, Rumex provides a lifetime warranty against any manufacturing or material defects. After carrying out a due expert analysis if the defect was not caused by the improper handling or misuse we will provide you either a 100% compensation or a free of charge exchange of a defective instrument for a new one. In some cases when instruments are improperly used or mishandled this may lead to occurrence of non-manufacturing defects which are not covered by Rumex lifetime warranty. To avoid such cases please read carefully and always follow our Sterilization and care instructions (See pp. 240-243 of this Catalog) or consult our customer service for a proper handling instructions.

Returns and replacements

Any instrument returned within 30 days is not charged for restocking provided that it's being in its original undamaged conditions. Any instrument returned within 30–60 days after shipment is subject to 10% restocking charge. No returns are accepted after 60 days.

To return or replace an instrument please download the RGA form at www.rumex.com, fill it out and send the paper copy by post together with the instrument. Electronic version of RGA is to be e-mailed to Rumex customer service. You will be contacted by Rumex customer service within 24 hours (business days only) and informed about further steps.

To obtain a Return Authorization Number prior to returning instruments, please call customer service:

+1 727 535 9600 (for USA, Canada)

+371 6616 3182 (for Europe, Asia, Africa, Latin America)

All used instruments are to be properly cleaned and sterilized before returning and shipping.

Customers will be credited the costs of the instruments but will be responsible for all freight charges for the original order. Refunds are available only in a form of a credit towards future purchases. Disposable (sterile) products, instruments damaged beyond repair and custom orders are not subject to return or replacement.

Repairs

If you require a repair of an instrument we will be glad to offer you this service at a reasonable price. Please contact Rumex customer service team for details.

NEW

DISPOSABLE INSTRUMENTS
REUSABLE INSTRUMENTS

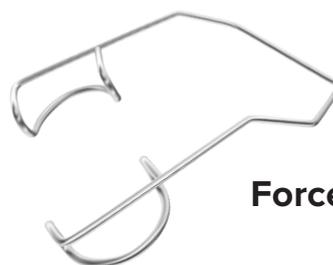
12
14

DISPOSABLE INSTRUMENTS FOR ANTERIOR AND POSTERIOR SEGMENT

SAFE AND CONVENIENT

- brand new, precise and ready for use
- delicate instruments are supplied in a protective blister
- completely biocompatible, non-toxic materials
- zero risk of cross contamination: utilization of brand new sterile packed surgical instruments can guarantee protection against transferring HIV, hepatitis, and a variety of other infections

Speculum



Forceps



Scissors



Manipulators



COST EFFECTIVE

- considerably reduced price due to the unique composition of materials
- no additional expenses on sterilizing equipment units
- eliminated necessity of reprocessing, examination, repair, cleaning and sterilization
- transparent, fast and easy traceable instrument management

CONVENIENCE YOU CAN AFFORD!

HIGH PRECISION DISPOSABLE KNIVES WITH SAFETY LIDS

UNIQUE ETCHING TECHNOLOGY PROMOTES THE DISTINGUISHING FEATURES OF RUMEX DISPOSABLE KNIVES:

- Exquisite sharpness for smooth penetration and withdrawal
- Ultra-thin profile reduces penetration force considerably and contributes to re-epithelialization
- Absolutely predictable performance of watertight scleral and corneal incisions
- Satin smooth surface for anti-glare effect

Cataract

Retina

Glaucoma

LRI



**VARIOUS IN GEOMETRY AND SIZES – EQUALLY BRILLIANT
IN PERFORMANCE AND MANEUVERABILITY!**

REUSABLE INSTRUMENTS

7-1166S

Yeoh Femtosecond Pre-chopper Cataract Surgery

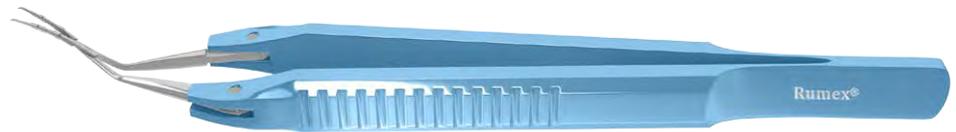
Blunt atraumatic tips ideal for complete nuclei separation during femtosecond laser cataract procedure.



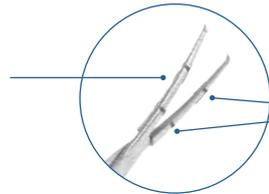
4-0395

Rumex Capsulorhexis Forceps Cataract Surgery

Cross-action prevents the leakage of viscoelastic and protects the incision from hyperextension.



Curved shafts to avoid corneal deformation.



Two engravings (2,50 and 5 mm) for rhexis measuring.

7-0811

Stodulka Enhanced Irrigation Handpiece Cataract Surgery

Recommended for bimanual microphaco and femtosecond cataract surgery.



Two 0.50×1 mm ports on side for optimal irrigation.
Bullet-shaped tip facilitates instrument insertion.

4-032S

MICS Capsulorhexis Forceps with limiter Cataract Surgery

Ultra thin vaulted shanks allow to reach the anterior capsule within the limits of 1.50 mm incision



Features a view-port for enhanced visualization.
A limiter protects the incision from hyperextension preventing the deformation of the cornea.

13-181

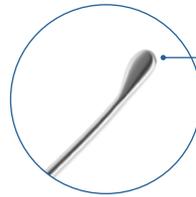
Uy Laser Lens Fragmentation Combo Manipulator

Cataract Surgery

Double ended instrument for femtosecond cataract procedure.



Chopper



Spatulated tip for nuclear, epinuclear and cortical fragments manipulating

20-2041

Donnenfeld Femto Spatula

Cataract Surgery

Special flattened design of the tip helps to open femtosecond created cataract incisions.



4-0582S

Forceps for Femtosecond Laser Cataract Procedure

Cataract Surgery



Ultra thin delicate tips safe for the wound edges

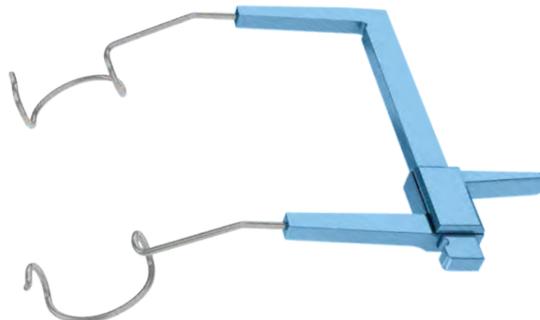
Cross-action facilities quick and safe incision opening

14-052T

Slade-Murdoch Speculum

Cataract Surgery

Quick installation and removal thanks to self-locking mechanism.



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

4-240**Guei DMEK Forceps**

Corneal surgery

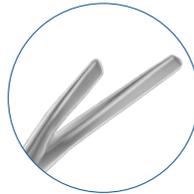
Highly polished broad tips allow to peel the endothelium membrane safely without risk of tearing

**13-185****Tan Marginal DMEK Dissector**

Corneal surgery



Curved single tipped end is used for convenient separation of the DM from the stroma



Double tipped end is designed for cutting the peripheral ends of donor Descemet's membrane (DM) without risk of radial tears occurrence.

11-134 right**11-135 left****Holland Spatulated DALK Scissors**

Corneal surgery

Spatulated design of the inner blade keeps the scissors in the proper plane minimizing inadvertent perforation.



Shortened outer blade allows to trim the tissue near the wall in a precise fashion.

4-246S**Florakis Endothelial Forceps**

Corneal Surgery

Designed to assist the removal of endothelium from the host cornea.

Reversed tips



Angled 75°

4-247

Florakis Microinvasive Endothelial Forceps
Corneal Surgery

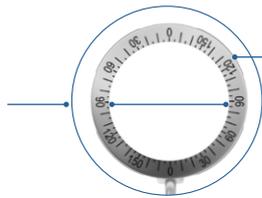
Designed to assist the removal of endothelium from the host cornea.



2-036T

Rumex Degree Gauge with beveled face
Corneal Surgery

Calibrated every 5° for precise marking.
Beveled face minimizes the microscope glare.



Markings are clearly visible ensuring high accuracy.

Internal diameter 12 mm, external diameter 16 mm.

4-2012S

Stodulka Forceps for Small Incision Lenticule Extraction
Refractive Surgery

Designed to grasp the lenticule and remove it from the corneal pocket.



Composite surface of the tips (texturized and crocodile) ensures the efficient grasping of the lenticule.

20-2071

SMILE Spatula
Refractive surgery

Double ended spatula with fine flat spatula on the one side to identify and open the intrastromal pocket and wide disc-shaped beveled tip on the other that allows to dissect the lenticule safely and conveniently.



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

4-124S**Compressing Lid Forceps with atraumatic rollers**

Dry Eye

Designed for mechanical meibum removal.



Texturized rollers are safe for the conjunctiva and quick and delicate meibum expression is achieved by even squeezing of the eyelid from its base to the margin.

IOLs, DISPOSABLE INSTRUMENTS AND CONSUMABLES

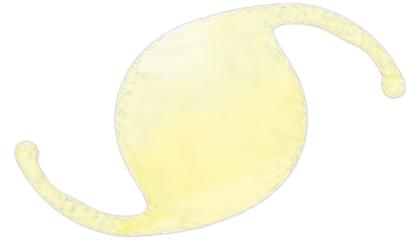
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IOLs

HYDROPHOBIC IOLs*

AquaFree Yellow Aspheric Hydrophobic

Min. incision size	2.20 mm
Power range	0.. +30 D
Overall diameter	13 mm
Optic diameter	6.0 mm
Self unfolding	Yes
Water content	< 0.50%
Angulation	0°
Material	Natural Yellow Hydrophobic Acrylic
Refractive index	1.50



AquaFree Yellow Preloaded

Min. incision size	≤ 2.20 mm
Power range	0.. +30 D
Overall diameter	13 mm
Optic diameter	6.00 mm
Self unfolding	Yes
Water content	< 0.50%
Angulation	0°
Material	Natural Yellow Hydrophobic Acrylic
Refractive index	1.50
Delivery system	Syringe type
Capsule stretching	None
Implantation time	5 seconds



Advantages

- Increased contrast sensitivity
- Easy to inject, excellent folding and unfolding ability
- Not tacky – Lens does not stick to itself or instruments
- No spherical aberrations



Minimized glare and unwanted images



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Not available in the US

HYDROPHILIC IOLs*

Hydro-Sense Aspheric

Min. incision size	2.20 mm
Power range	-5 .. +38 D
Overall diameter	12.50 mm
Optic diameter	6.00 mm
Self unfolding	Yes
Water content	23.50 – 27.50 %
Angulation	5°
Material	Hydrophilic Acrylic
Refractive index	1.46



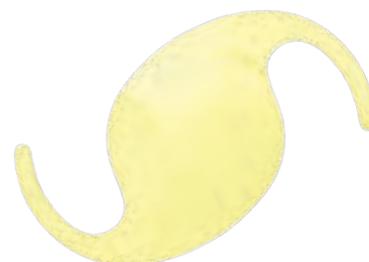
Hydro-4 Aspheric

Min. incision size	1.80 mm – suitable for MICS
Power range	-5 .. +38 D
Overall diameter	11 mm
Optic diameter	6.00 mm
Self unfolding	Yes
Water content	23.50 – 27.50 %
Angulation	5°
Material	Hydrophilic Acrylic
Refractive index	1.46



Hydro-Sense Aspheric Yellow

Min. incision size	2.20 mm
Power range	-5 .. +38 D
Overall diameter	12.50 mm
Optic diameter	6.00 mm
Self unfolding	Yes
Water content	23.50 – 27.50 %
Angulation	5°
Material	Natural Yellow Hydrophilic Acrylic
Refractive index	1.46



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Not available in the US

OVDs

SUPREME* Ophthalmic Viscosurgical Device

Supreme is a dispersive viscoelastic solution of low molecular weight, highly purified grade of hydroxypropyl methylcellulose (HPMC) 2%, clear, isotonic, sterile, non-inflammatory and non-pyrogenic in nature. It is used for intraocular injection during anterior segment surgery.

Physico-chemical properties

Type	Dispersive
Material	2% HPMC
Molecular weight	86 000 Da
Viscosity	3 000–4 000 cSt
pH	6.00–7.80
Osmolality	250–350 mosmol/Kg
Volume	2 ml



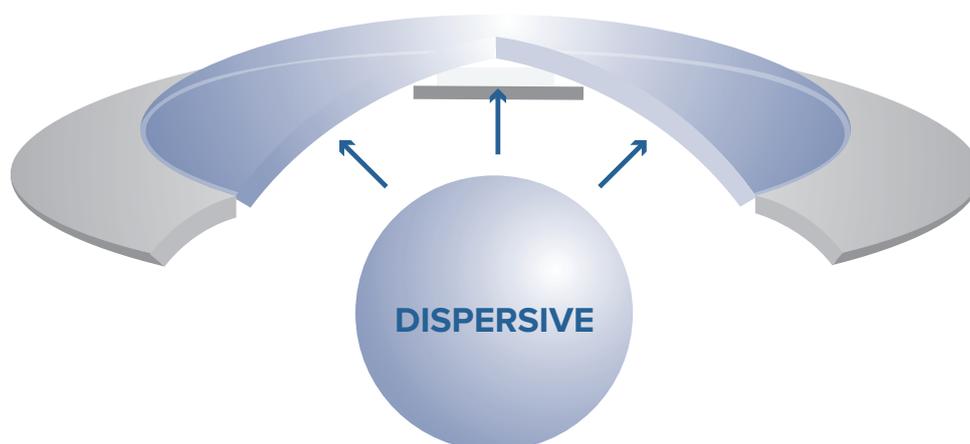
Advantages

- Highly dispersive
- The best endothelial protection
- Easy removal
- Completely transparent
- No refrigeration necessary
- Easy transportation and storage (2–35 °C)

Dispersive Solution

Supreme is used to:

- coat ocular structures during cataract surgery: in the initial part, during capsulorhexis and phacoemulsification, and during ultrasound;
- protect corneal endothelium in an eye where endothelium pathology is suspected.



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Not available in the US

SMARTVISC / SMARTVISC+^{*} Ophthalmic Viscosurgical Device

	SmartVisc	SmartVisc+
	Sodium Hyaluronate 1.60 %	Sodium Hyaluronate 3.00 %
Molecular Weight	1.20–2.00 m Daltons	1.00–1.80 m Daltons
Viscosity	approx. 80 000 mPs	approx. 400 000 mPs
Osmolality	270–400 mOsm/kg	
Storage	2–25°C	
pH	6.80–7.40	
Volume	1.00 ml	
Shelf Life	3.5 years	

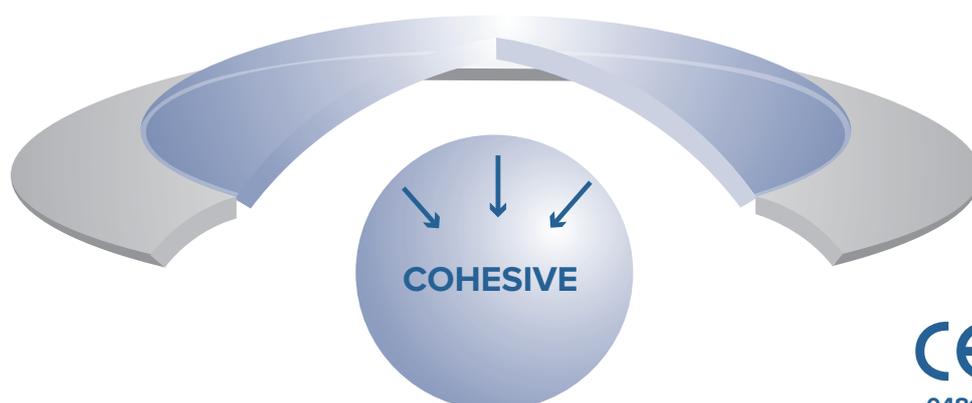
Advantages

- No refrigeration necessary
- Good maintenance of the anterior chamber and the capsular bag
- Controlled capsulorhexis
- Easy implantation
- Better adhesiveness on the corneal endothelium during phacoemulsification
- Favorable environment to ophthalmic surgery
- Excellent protection against mechanical damages
- Steam sterilized

Cohesive Solution

SmartVisc is used to:

- maintain space and pressure in the eye
- keep the empty capsular bag open for IOL insertion
- support the anterior chamber and flatten the anterior capsule
- dilate small pupils
- dissect areas of adhesion



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

^{*}Not available in the US

PVA SPONGES AND CELLULOSE EYE SPEARS

PVA SPONGE RANGE & CELLULOSE EYE SPEARS*

Rumex produces a complete line of sponge products used for the management of fluids during ophthalmic procedures. Our PVA and cellulose sponge products are used during cataract and other refractive surgeries. The latest designs of eye spears give a cleaner, wider, and more absorbent eye spear which is ideal for all ophthalmic procedures.

Several speciality PVA products are also available for the care and cleaning of delicate micro instruments which will assist to prolong the life of these expensive instruments.

All our products are manufactured under the strictest management systems and we are committed to ongoing product development.

PVA Spears and Points

Material: 100 % PVA
 Structure of the material: porous
 Shape: lance (planar triangle)



- R1-40400 Orange handle. For cataract surgery. Pack of 5/box of 90
- R2-40405 Orange handle. For cataract surgery. Can be used for LASIK. Pack of 10/box of 180



- R1-40401 For cataract surgery. Pack of 5/box: 90
- R1-40406 For cataract surgery. Pack of 10/box: 180

Cellulose Spears and Points

Material: cellulose
 Structure of the material: dense, quickly absorbed
 Shape: lance (planar triangle)



- R1-40410 Orange handle. For cataract surgery. Pack of 5/box: 100
- R1-40415 Orange handle. For cataract surgery. Pack of 10/box: 200



- R1-40411 For cataract surgery. Pack of 5/box: 100
- R1-40416 For cataract surgery. Pack of 10/box: 200

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Not available in the US

PVA SPONGE RANGE & CELLULOSE EYE SPEARS***Corneal Light Shield**

R1-40420 7 mm diameter. Material: PVA.
Pack of 1/box: 20

**Eye Drains and Wicks**

R1-40430 80 cc capacity. Pack of 1/box: 20
R1-40435 400 cc capacity. Pack of 1/box: 10



R1-40431 4 mm × 170 mm. Material: PVA.
Pack of 2/box: 20

**Diamond Knife Cleaning Block**

R1-40462 Material: PVA. Pack of 1/box: 10

**Instrument Wipe**

R1-40900 Material: PVA. Pack of 1/box: 20

**Lasik Shields**

R1-40820 9 mm diameter 7 mm. Pack of 1/box: 20
R1-40821 8 mm diameter 6 mm. Pack of 1/box: 20
R1-40822 4 mm diameter 8 mm. Pack of 1/box: 20

**Lasik Drains**

R1-40830 42 × 17 × 11.50 mm opening pack of 1/box: 20
R1-40831 40 × 14 × 10.50 mm opening pack of 1/box: 20

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Not available in the US

SILICONE OIL

SMARTSIL 1000/5000*

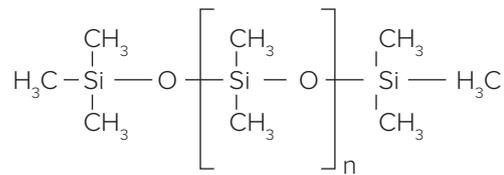
Purified Silicone Oil for Vitreoretinal Surgery

- Maximum interfacial tension and minimum interactions between tissues, cells and endo-tamponades media
- Optimal combination of specific gravity, refractive index and surface tension
- The choice of viscosity for a balance between easy injection and a stable temporary tamponade

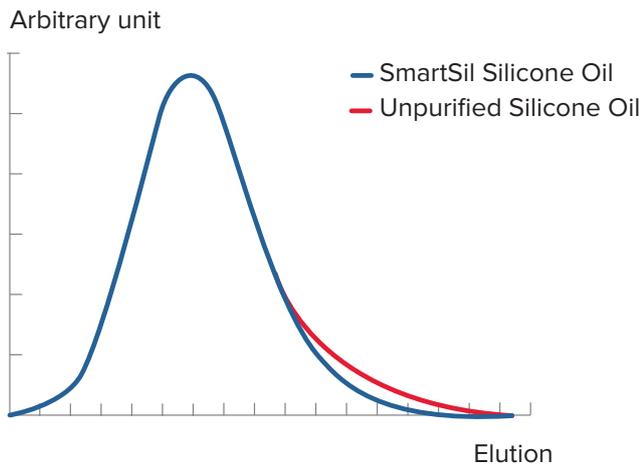
Physico-chemical properties

Interfacial tension	≥ 40 mNm ⁻¹ at 37°C
Density	0.97
Viscosity	1000/5000 cSt
Refractive index	1.40
Volatility	< 1%
Polydispersity	< 2.80
Volume of oil	10 ml
Syringe	20 ml

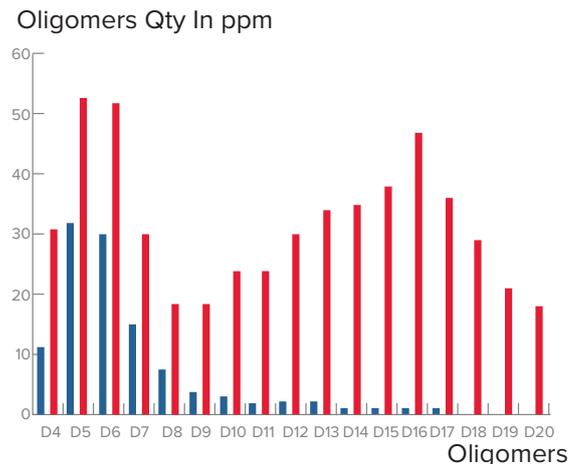
Formula: Polydimethylsiloxane



GPC



GC



Purification

- Vacuum molecular distillation solvent free purification
- Potentially toxic low molecular weight oligomers (D₄ to D₂₀) extraction
- Residual volatile components extraction (water, ethanol, etc.)

Post-purification controls

- Gel permeation chromatography (GPC)
- Gaseous chromatography (GC)

Indication

SmartSil 1000/5000 is used for prolonged tamponade after surgical treatment for severe retinal detachment (RD), especially:

- RD with proliferative vitreal retinopathy
- Traumatic RD
- RD with diabetic retinopathy complications
- Secondary RD with viral retinitis
- RD with giant tears

Sterilization

- Silicone oils are dry heat sterilized
- Syringes are steam sterilized

Packaging

Syringes are supplied sterile under double pouch

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Not available in the US



SILICONE OIL INFUSION SYSTEMS*



Surgical System	Reusable
Ioltech® Pentasys™, Optikon® Antares™, Alcon® STTO™, Storz® Premiere™, DORC® Harmony Budget™	12-RTUB-1
DORC® Associate™, Alcon®, Constellation™, Accurus™	12-RTUB-2
B&L® Millenium™, Stellaris™	12-RTUB-3
Oerliti® Orbit™, Faros™, OS3™	12-RTUB-4



Surgical System	Disposable
Ioltech® Pentasys™, Optikon® Antares™, Alcon® STTO™, Storz® Premiere™, DORC®, Harmony Budget™	12-DTUB-1
DORC® Associate™, Alcon®, Constellation™, Accurus™	12-DTUB-2
B&L® Millenium™, Stellaris™	12-DTUB-3
Oerliti® Orbit™, Faros™, OS3™	12-DTUB-4



Viscous Fluid Injection Cannula

10 mm polyimide tip Allowing injection of viscous fluids such as silicone oil through 23Ga trocar cannula

Disposable, 5 per box

12-5248 23 Ga

IRIS RETRACTORS



Reusable Iris Retractor

Retractors in container

Autoclavable

10-5127 1 pack of 6 pcs



Disposable Iris Retractors

Sterile

10-5016-1 1 pack of 4 pcs
 10-5016-5 5 packs of 4 pcs
 10-5067-1 1 pack of 5 pcs
 10-5067-6 6 packs of 5 pcs

**MOST
POPULAR**

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 * ®™ All trademarks are property of their respective owners.

DISPOSABLE KNIVES*

NEW  **STERILE
BOX OF 6**

ALL KNIVES ARE EQUIPPED WITH SAFETY LIDS

Side Port Knives

Initial stab incisions
Sterile, Box of 6

SP-15	15°, Straight, Double Bevel
SP-30	30°, Straight, Double Bevel
SP-45	45°, Straight, Double Bevel



Paracentesis Knives

Paracentesis incisions/side port incisions
Sterile, Box of 6

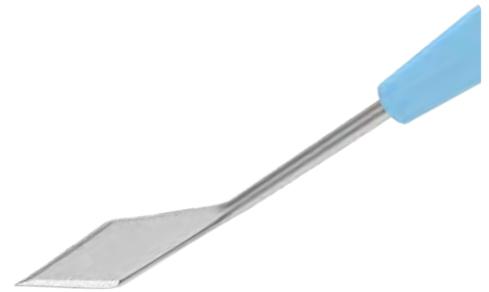
PK-11	1.10 mm, Angled, Double Bevel
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Slit Knives

Scleral tunnel incisions
Sterile, Box of 6

SL-15	1.50 mm, Angled, Single Bevel
SL-16	1.65 mm, Angled, Single Bevel
SL-18	1.80 mm, Angled, Single Bevel
SL-22	2.20 mm, Angled, Single Bevel
SL-24	2.40 mm, Angled, Single Bevel
SL-26	2.65 mm, Angled, Single Bevel
SL-27	2.75 mm, Angled, Single Bevel
SL-28	2.80 mm, Angled, Single Bevel



Crescent Knives

Lamellar dissections /
scleral tunnel, flap formation
Sterile, Box of 6

CR-20	2.00 mm, Angled, Single Bevel
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Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Other sizes are available upon request.

Trapezoidal Knives

Tunnel incisions

Sterile, Box of 6

TR-10 1.20-1.40 mm, Angled, Single Bevel

TR-17 1.50-1.70 mm, Angled, Single Bevel



Clear Corneal Knives

Clear cornea incisions

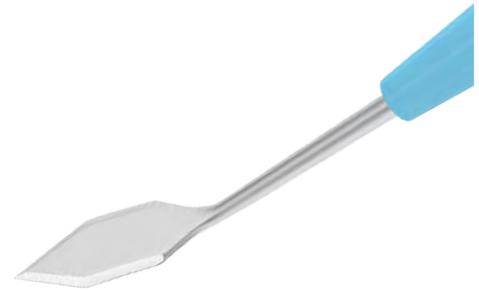
Sterile, Box of 6

CC-22 2.20 mm, Angled, Double Bevel

CC-24 2.40 mm, Angled, Double Bevel

CC-26 2.65 mm, Angled, Double Bevel

CC-27 2.75 mm, Angled, Double Bevel



Clear Corneal Knives with Depth Indicators

Tunnel incisions

Sterile, Box of 6

CCD-22 2.20 mm, Angled, Double Bevel

CCD-24 2.40 mm, Angled, Double Bevel

CCD-26 2.65 mm, Angled, Double Bevel

CCD-27 2.75 mm, Angled, Double Bevel



Pre-Set Knives

Groove making/limbal relaxing incisions

Sterile, Box of 6

PD-60 600 μ m Depth, Multifacet



MVR Knives

Posterior segment penetration/side port incisions

Sterile, Box of 6

VRS-19 19 Ga, Straight, Multifacet

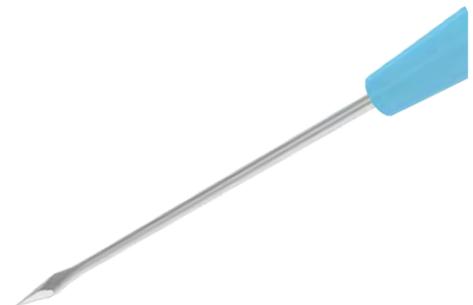
VRS-20 20 Ga, Straight, Multifacet

VRS-23 23 Ga, Straight, Multifacet

VRA-19 19 Ga, Angled, Multifacet

VRA-20 20 Ga, Angled, Multifacet

VRA-23 23 Ga, Angled, Multifacet

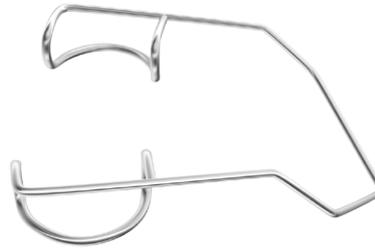


DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT

NEW  **STERILE BOX OF 6**

Speculum

Barraquer Wire Speculum
14-022D

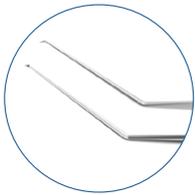


Spatula

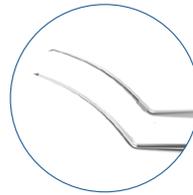
Spatula for Femtosecond Laser Procedure
20-204D



Forceps



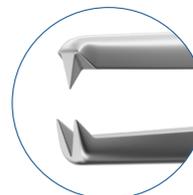
Utrata Capsulorhexis Forceps
Cystotome Tips
Straight
4-0311D



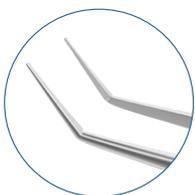
Utrata Capsulorhexis Forceps
Cystotome Tips
Curved
4-0331D



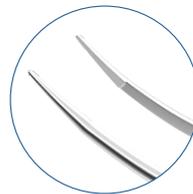
Castroviejo Suturing Forceps
0.12 mm
4-0600D



Bonn-Catalano Corneal Forceps
0.12 mm
4-0551D



McPherson Tying Forceps
Angled
4-174D



McPherson Tying Forceps
Curved
4-177D

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

Manipulators



Sinskey Hook
Angled
5-032D



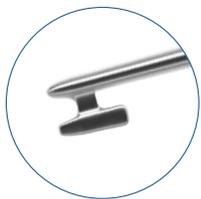
Rosen Phaco Chopper
Universal
7-065D



Lester Lens Manipulator
Angled
5-0331D



Nagahara Phaco Chopper
RHD
7-063D



Kuglen Iris Hook
Angled
5-030D

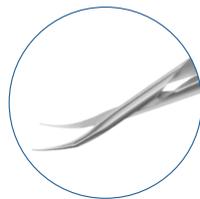


Drysdale Nucleus Manipulator
Universal
7-093D

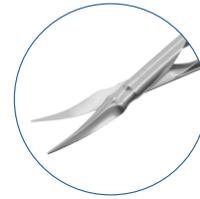
Scissors



Castroviejo Universal Corneal Scissors
Blunt Tips
11-012D



Westcott Tenotomy Scissors
Blunt Tips
11-040D



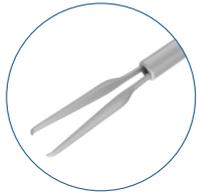
Vannas Capsulotomy Scissors
Sharp Tips
11-052D



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

DISPOSABLE INSTRUMENTS FOR POSTERIOR SEGMENT*

NEW  **STERILE BOX OF 6**



Eckardt End Gripping Forceps

12-410-23D 23 Ga
12-410-25D 25 Ga



End Grasping Forceps

12-420-23D 23 Ga
12-420-25D 25 Ga



Gripping Forceps

With a "crocodile platform"

12-304-23D 23 Ga
12-304-25D 25 Ga



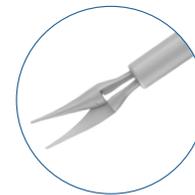
Gripping Forceps

12-301-23D 23 Ga
12-301-25D 25 Ga



Pick Forceps

12-325-23D 23 Ga
12-325-25D 25 Ga



Curved Scissors

12-209-23D 23 Ga
12-209-25D 25 Ga



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Not available in the US

DISPOSABLE CANNULAS

DISPOSABLE CANNULAS GAUGE CONVERSION CHART

Gauge	Inner Diameter		Outer Diameter		Colour
	In	mm	in	mm	
19 Ga	.028	.70	.043	1.10	Cream* 
20 Ga	.024	.60	.036	.90	Yellow 
21 Ga	.020	.51	.032	.80	Green 
22 Ga	.016	.41	.028	.70	Black 
23 Ga	.013	.33	.025	.60	Blue 
24 Ga	.012	.30	.022	.55	Purple 
25 Ga	.010	.25	.020	.50	Orange 
26 Ga	.010	.25	.018	.45	Brown 
27 Ga	.008	.20	.016	.40	Grey 
30 Ga	.006	.15	.012	.30	Natural 

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Not an ISO colour code

ANTERIOR CHAMBER CANNULAS

For maintaining and forming the anterior chamber by injecting or removing air, fluids, viscoelastics and intraocular medications. Angled 32°.

Rycroft

Anterior Chamber Cannula

4 mm from the end

21-R2023	23 Ga × 7/8 in (0.60×22 mm)
21-R2025	25 Ga × 7/8 in (0.50×22 mm)
21-R2027	27 Ga × 7/8 in (0.40×22 mm)
21-R2030	30 Ga × 7/8 in (0.30×22 mm)



8 mm from the end

21-R2027-8	27Ga × 7/8 in (0.40×22 mm)
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ANTERIOR CHAMBER MAINTAINER

Lewicky

Anterior Chamber Maintainer

4 mm serrated tip

6 in (15 cm) silicone tubing

ID – 0.75 mm (0.030 in)

OD – 1.65 mm (0.065 in)

21-R2520	20 Ga × 7/8 in (0.90×22 mm)
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CANNULAS FOR ANESTHESIA

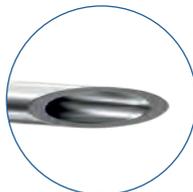
Retrobulbar Needles

For injecting anesthetic agents into the muscle cone.

Atkinson

Retrobulbar Needle

21-R1123	23 Ga × 3/2 in (0.60×38 mm)
21-R1125	25 Ga × 3/2 in (0.50×38 mm)

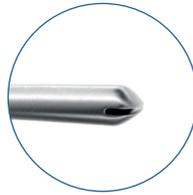


Sub-Tenon`s Anesthesia Cannulas

For administering anesthetic agents into the posterior Sub-Tenon`s space. Curved, flattened tip.

Sub-Tenon`s
Anesthesia Cannula

- 21-R1319 19 Ga × 1 in (1.10×25 mm)
- 21-R1320 20 Ga × 1 in (0.90×25 mm)



CYSTOTOMES

Short Curve Irrigating Cystotomes

For capsulotomy on deep-set eyes or small pupils.

Irrigating Cystotome

Small radius

- 21-R3330 30 Ga × 5/8 in (0.30×16 mm)



Formed Cystotomes

Pearce

Irrigating Cystotome

- 21-R3025 25 Ga × 5/8 in (0.50×16 mm)
- 21-R3027 27 Ga × 5/8 in (0.40×16 mm)



Straight Cystotomes

Irrigating Cystotome

- 21-R3525 25 Ga × 5/8 in (0.50×16 mm)



HYDRODISSECTION

A range of cannulas with tips designed to deliver fluids to facilitate the separation of the cortex from the nucleus and capsule.

Round End Cannulas

Cannula tip is specially rounded, extra smooth for safe insertion through wound and manipulation in the anterior chamber. Angled 32°.

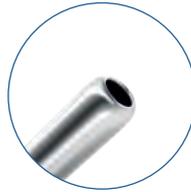
Hydrodissector

10 mm from the end

21-R4427 27 Ga × 7/8 in (0.40×22 mm)

12 mm from the end

21-R4430 30 Ga × 7/8 in (0.30×22 mm)



Angled Cannulas

Angled flattened tip provides a broad stream of fluid. The point of the beveled tip is used to engage and rotate the nucleus to ensure complete separation.

Chang

Hydrodissector

Angled 90°, 1 mm bend

21-R4727 27 Ga × 7/8 in (0.40×22 mm)



Akahoshi

Hydrodissector

Angled 45°, 1.50 mm bend

21-R4827 27 Ga × 7/8 in (0.40×22 mm)



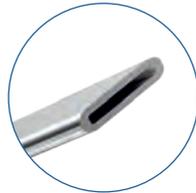
Flat End Cannulas

For separating the nucleus from the capsule and cortical attachments.
Also for separating and softening layers of nucleus prior to phacoemulsification. Flattened tip.

Pearce Hydrodissector

Angled 32°, Smooth oval shaped tip
8 mm from the end

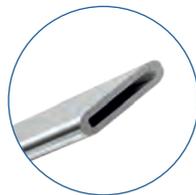
21-R4025 25 Ga × 7/8 in (0.50×22 mm)



Hydrodissector

Angled 32°, Smooth oval shaped tip
10 mm from the end

21-R4027 27 Ga × 7/8 in (0.40×22 mm)



J Hydrodissector

Flattened hook
1.50 mm long × 2.00 /1.75 mm wide
Smooth oval shaped tip

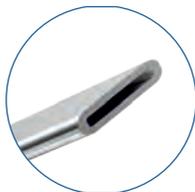
21-R4325 25 Ga × 7/8 in (0.50×22 mm)



Daya Hydrodissector

Formed 11 mm

21-R4125 25Ga × 7/8 in (0.50×22 mm)



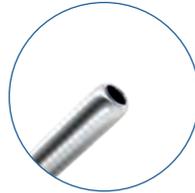
VISCOELASTIC CANNULAS

For injecting viscoelastic to all meridians of the anterior chamber and to coat intraocular lens.
This range of cannula has smooth rounded tips for the safe introduction of viscoelastic.

Viscoelastic Cannula

9 mm from the end
Angled 32°

21-R2225 25 Ga × 7/8 in (0.50×22 mm)
21-R2227 27 Ga × 7/8 in (0.40×22 mm)



Viscoelastic Cannula

10 mm from the end
Angled 32°

21-R2323 23 Ga × 7/8 in (0.60×22 mm)
21-R2327 27 Ga × 7/8 in (0.40×22 mm)



Viscoelastic Cannula

11 mm from the end
Formed

21-R2427 27 Ga × 7/8 in (0.40×22 mm)



HYDROEXPRESSION CANNULAS

Curve allows placement of cannulas under nucleus for expression. Angled tip is useful to hook and remove nucleus. Designed to express the nucleus with balanced salt solution or viscoelastic through a capsulorhexis.

Corydon

Hydroexpression Cannula

21-R4625 25 Ga × 7/8 in (0.50×22 mm)
21-R4627 27 Ga × 7/8 in (0.40×22 mm)



IRRIGATION / ASPIRATION CANNULAS

Simcoe / Irrigating & Aspirating Cannulas

For removing cortical debris or viscoelastic substances while maintaining the anterior chamber during extracapsular and intercapsular/endocapsular cataract procedures.

REGULAR

Simcoe
I/A Cannula

0.30/0.40/0.50 mm top port
Curved, 6 in (15 cm) silicone tubing
ID – 0.75 mm (0.030 in)
OD – 1.65 mm (0.065 in)

21-R5623 23 Ga/23 Ga × 5/8 in (0.60×16 mm)



LASIK CANNULAS

Round End Cannulas

Used after ablation to wash away particulates from anterior and posterior sides of flap and stromal bed

Lasik Irrigator

4 ports
Formed 11 mm
Two 0.15 mm ports 2 mm and
4 mm from the end

21-R7227 27 Ga × 7/8 in (0.40×22 mm)



Lindstrom

Lasik Irrigating Cannula

3 ports
Angled 7 mm bend to tip
Smooth angle curvature allows for safe
flap alignment

21-R7430 25 Ga × 1 in



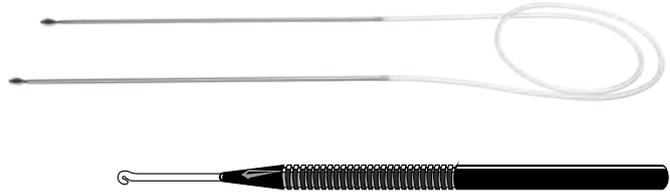
LACRIMAL INTUBATION AND DCR

For surgical treatment, repair and irrigation of the nasolacrimal system

Lacrimal Intubation Set

Olive tip
Silicone tube length 35 cm
Stainless steel probes

21-R7004 27 Ga×11 cm probe
21-R7004RD 27 Ga×11 cm probe
(with Retrieval Device)



Notched

Lacrimal Intubation Set

35 cm silicone tubing
Stainless steel probes

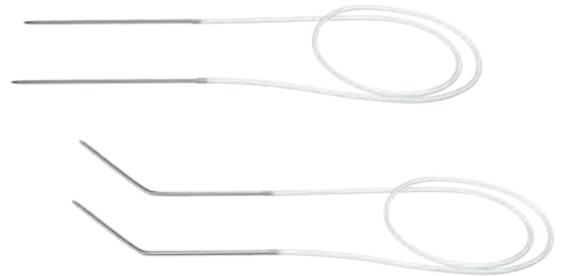
21-R7005RD 23 Ga×11 cms probe
(with Retrieval Device)



DCR Set

Silicone tubing length 30 cms (12")
Tubing dimensions 0.50 mm (.020") × 0.95mm (.037")
Stainless steel probes

21-R7011 20 Ga×45 mm (1 3/4"), Straight
21-R7012 20 Ga×45 mm (1 3/4"), Angled



Lacrimal Cannula

21-R7021 21 Ga×11/4 in (0.80 × 33 mm)

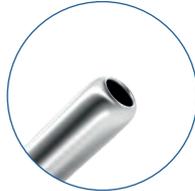


Fasanella

Lacrimal Cannula

Gently curved

21-R7023 23 Ga × 42 mm

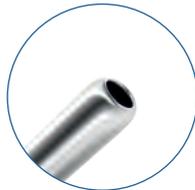


Anel

Lacrimal Cannula

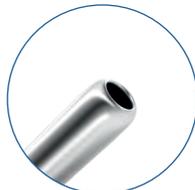
Straight
Special long mount blunt tip

21-R7025 25 Ga



Lacrimal Cannula

21-R7026 26 Ga×11/8 in (0.45×28 mm)



VITREORETINAL CANNULAS

Cannula extends into hub reducing the chance of additional air bubble in the syringe from entering cannula

Vander

Vitreoretinal Cannula

20 Ga × 1 in (0.90×25 mm) cannula

21-R7514 30 Ga tip, straight (shown)

21-R7515 30 Ga (0.30 mm) tip, angled 45°



VITREORETINAL MICROPICKS

For removing premacular, epiretinal and other vitreoretinal membranes .

Glaser

Vitreoretinal Micropick

20 Ga × 1 in (0.90×25 mm)

25 Ga × 3/16 in (0.50×5 mm)

21-R7625 0.50 mm sharp tip, angled 50°



Eaton

Vitreoretinal Micropick

20 Ga × 1 in (0.90×25 mm)

30 Ga × 3/16 in (0.30 × 5 mm)

21-R7630 0.50 mm sharp tip, angled 50°



SUBRETINAL FLUID CANNULAS

Flexible sleeve allows atraumatic entry through retinal or macular tears or holes and enables aspiration of subretinal fluid.

Grizzard

Subretinal Fluid Cannula

20 Ga × 1 in (0.90×25 mm) cannula

25 Ga × 5/32 in (0.30×4 mm) tip

6 mm tubing extension

Tubing:

ID – 0.30 mm (0.012")

OD – 0.60 mm (0.025")

21-R7720 Angled



ACCESSORIES

Lacrimal Intubation and DCR

For surgical treatment, repair and irrigation of the nasolacrimal system

Lacrimal Intubation Set

Silicone tubing 30 cm (12 in)

Stainless steel probes

ID – 0.30 mm (0.12 in)

OD – 0.60 mm (0.025 in)

21-R7001 23 Ga × 7 in (0.60×175 mm)



Lacrimal Intubation Tubing

Silicone tubing 30 cm (12 in)

ID – 0.30 mm (0.12 in)

OD – 0.60 mm (0.025 in)

21-R7002



REUSABLE ANTERIOR INSTRUMENTS BY TYPE

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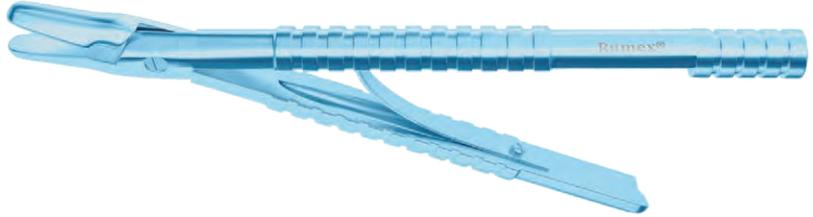
BLADE HOLDERS

**MOST
POPULAR**

Blade Holder

Round knurled handle with end lock
Polished finish
Overall length 95 mm
Titanium

1-010T



Bard Parker Handle

Flat serrated handle
Overall length 130 mm
Stainless Steel or Titanium

1-020S



CALIPERS & GAUGES

CALIPERS & KERATOMETERS

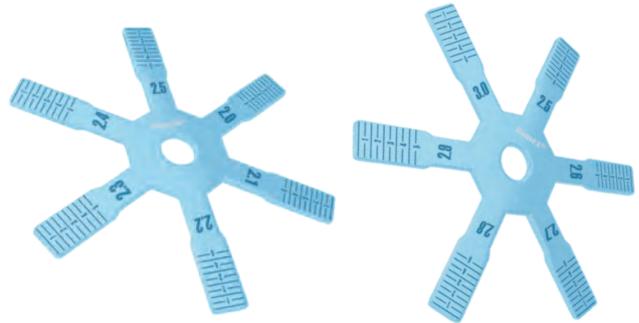


MOST POPULAR

Castroviejo
Caliper

Measures from 0 to 20 mm
Scale is engraved on both sides
Polished finish
Overall length 87 mm

2-010T	0-20.00 mm
2-010S	0-20.00 mm



Adler
Wound Gauge

Used to measure incision width and depth (peripheral to central dimension) of a corneal/limbal wound

Dull finish
Titanium

2-064T	2.00-2.50 mm
2-065T	2.50-3.00 mm



Rumex
Internal Micro Incision Gauges

16 stainless steel blades
0.10 mm increments marks
Overall length 75 mm
Stainless steel

2-062S	1.00-2.50 mm
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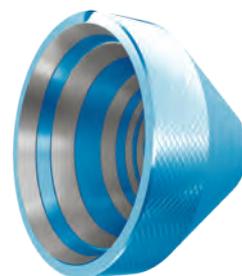


MOST POPULAR

Braunstein
Fixed Caliper

To make the mark for MVR blade entrance and intravitreal injections
Marks the distance from limbus to sclera
3.50/3.00 mm for aphakic and 4.00/3.50 mm for phakic eyes
Overall length 80 mm

2-101T	3.00/3.50 mm
2-100T	3.50/4.00 mm
2-100S	3.50/4.00 mm



Maloney
Intraoperative Keratometer

For qualitative measurement of astigmatism

16-020T

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

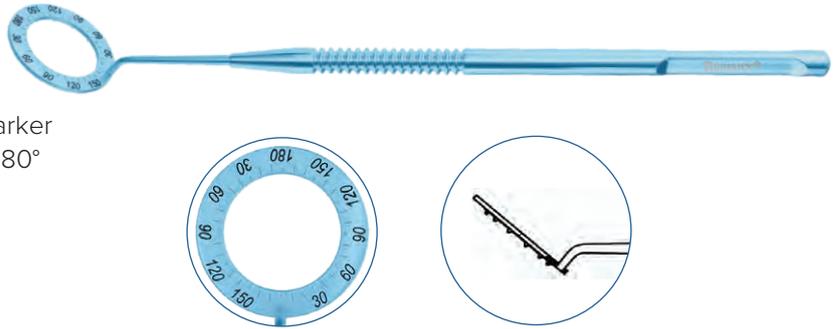
GAUGES

LRI Gauge

Limbal Relaxing Incision Gauge

Used to determine incision angles
 Can be used with 3-090T Bores Axis Marker
 Calibrated every 10 degrees from 0° to 180°
 With atraumatic fixation teeth
 Dull finish
 Overall length 134 mm
 Titanium

2-0311T ID 13 mm/ ED 18 mm
 2-031T ID 13 mm/ ED 19 mm



Mendez

Degree Gauge

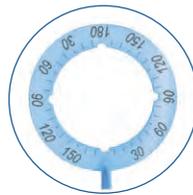
Used to determine incision angles
 Can be used with 3-090T Bores Axis Marker
 Calibrated every 10 degrees from 0° to 180°
 Dull finish
 Titanium



**MOST
POPULAR**

ID 13 mm/ ED 19 mm
 Overall length 134 mm

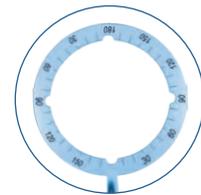
2-030T



**MOST
POPULAR**

With 4 grooves for better marks
 visualization
 ID 13mm/ ED 19 mm
 Overall length 136 mm

2-033T



With 4 grooves for better marks
 visualization
 ID 13 mm/ ED 16.50 mm
 Overall length 122 mm

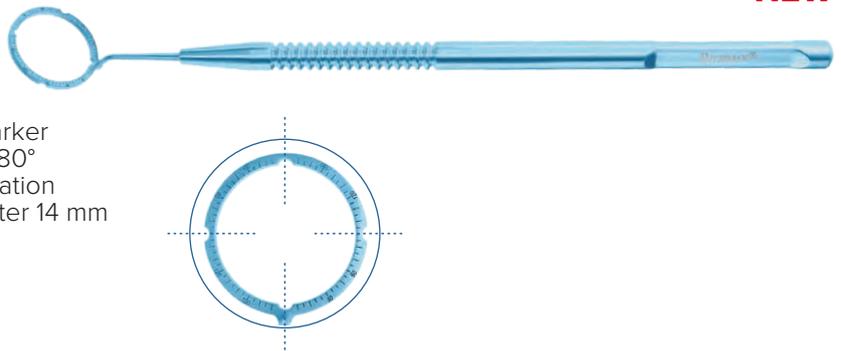
2-0331T

NEW

Mendez

Grooved Fine Mendez Degree
 Used to determine incision angles
 Can be used with 3-091T Bores Axis Marker
 Calibrated every 5 degrees from 0° to 180°
 With 4 grooves for better marks visualization
 Internal diameter 12 mm/external diameter 14 mm
 Dull finish
 Overall length 120 mm
 Titanium

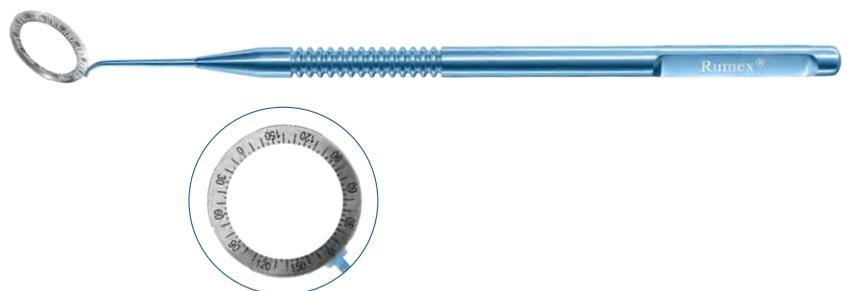
2-034T



Degree gauge with beveled face

16/12 mm diameters
 Overall length 132 mm
 Titanium

2-036T



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

MARKERS

AXIS MARKERS

NEW

Bores

Axis Marker

Used with Mendez and LRI Gauges to mark the axis.

Intra-Op

Overall length 130 mm

Titanium

3-090T



Bores

Axis Marker

Used with Mendez 2-034T to mark the axis.

Intra-Op

Overall length 130 mm

Titanium

3-091T



MOST POPULAR

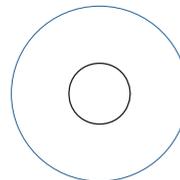
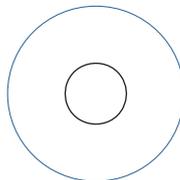
Whipple Capsulorhexis

Centration Marker

Creates circular mark on the cornea to help gauge the size of the capsulotomy and its position

Double Ended with 5.50/6.00 mm diameter

3-040



CORNEAL TRANSPLANT MARKERS

Corneal Transplant

Marker

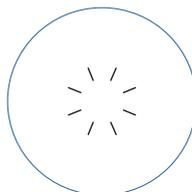
7 mm ring with 8 radial blades

With center pointer

Overall length 130 mm

Titanium

3-140T



**Osher-Neumann
Corneal Marker**

Low Profile
8 radial blades
Overall length 130 mm
Titanium

3-0304T



**Corneal marker
for keratoplasty**

Double ended (10.00 mm
and 11.00 mm diameters)
With central marking point
Titanium handle

3-0231



OPTICAL ZONE MARKERS

**Hoffer
Optical Zone Marker**

With cross hairs
Overall length 130 mm
Titanium



- 3-0201T 2.50 mm
- 3-0202T 2.75 mm
- 3-0203T 3.00 mm
- 3-0204T 3.25 mm
- 3-0205T 3.50 mm

- 3-0206T 3.75 mm
- 3-0207T 4.00 mm
- 3-0208T 4.25 mm
- 3-0209T 4.50 mm
- 3-0210T 4.75 mm

- 3-0211T 5.00 mm
- 3-0212T 5.50 mm
- 3-0213T 6.00 mm
- 3-0215T 7.00 mm
- 3-0216T 7.50 mm

- 3-0217T 8.00 mm
- 3-0218T 8.50 mm
- 3-0219T 9.00 mm
- 3-0220T 9.50 mm

Optical Zone Marker

Used to mark visual center for ICRS
implantation procedure
Double ended
Visual center marker 0.15 mm width
Sinskey hook 0.50 mm wide
Titanium handle / Stainless steel

3-034



**Scleral marker for
keratoplasty**

Double ended (16.00 mm and
16.50 mm diameters)
Titanium handle

3-0230



Tunnel Zone Marker

Marking tunnel for future ring position
with initial lines for incisions
Internal diameter 4.00 mm / External
diameter 6.00 mm
Creates 2.00 mm lines
40 degree angled to handle
Titanium

3-143T

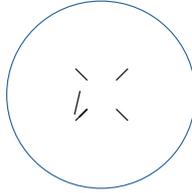


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LASIK MARKERS

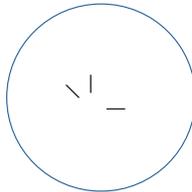
Lavery LASIK Marker

8.50 mm optical zone
 5 asymmetrical marking lines to ensure
 right placement of a corneal flap
 With an optical center sight
 Overall length 130 mm
 Titanium
 3-174T



LASIK Flap Marker

3 asymmetrical marking lines to ensure
 right placement of a corneal flap
 Designed both for nasal and
 superior hinge
 Overall length 130 mm
 Titanium
 3-176T

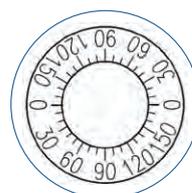
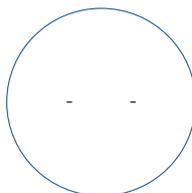


TORIC IOL MARKERS

Toric IOL Marker

Intra-Op
 Designed for LRI/Toric IOL implantation
 Overall length 130 mm

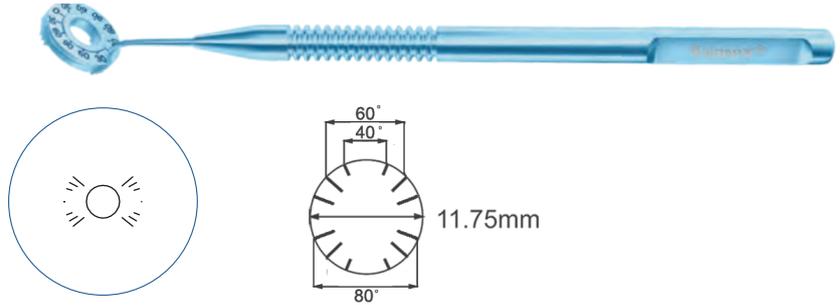
3-181



LRI Marker

Intra-Op
Automatically creates marks at
40-60-80 degrees
Overall length 130 mm

3-1801

**LRI / TORIC MARKERS WITH GRAVITY WEIGHT SYSTEM****LRI Slit Lamp Gravity Marker**

Pre-Op, 14 mm
Horizontal Axis 3° and 9°
Overall Length 138 mm

3-191

**Lum LRI Gravity Axis Marker**

Pre-Op, 14 mm
Angled, Horizontal Axis 3° and 9°
Overall Length 140mm

3-192



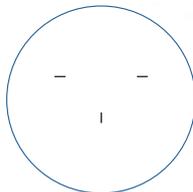
**Slit Lamp Rumex Toric/
LRI Marker**

Pre-Op
Eo mark precision horizontal
axis at the slit lamp at 3' an 9'
Overall length 136 mm

3-1921



**MOST
POPULAR**



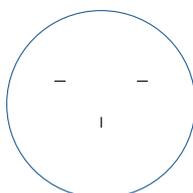
Whitehouse Gravity Axis Marker

Pre-Op
Marks the limbus at 3, 6 and 9 o'clock
Helps to avoid the effect of cyclotortion
Gravity weight system assures
excellent visualization and balance
Internal diameter 11 mm/external
diameter 14 mm
Overall length 155 mm

3-193 Angled shaft
3-1931 Straight shaft



**MOST
POPULAR**



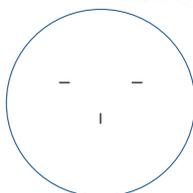
Whitehouse Gravity Axis Marker

Pre-Op
Marks the cornea at 3, 6 and 9 o'clock
Helps to avoid the effect of cyclotortion
Gravity weight system assures
excellent visualization and balance
Internal diameter 9,5 mm/external
diameter 12 mm
Overall length 153 mm

3-1932 Straight shaft



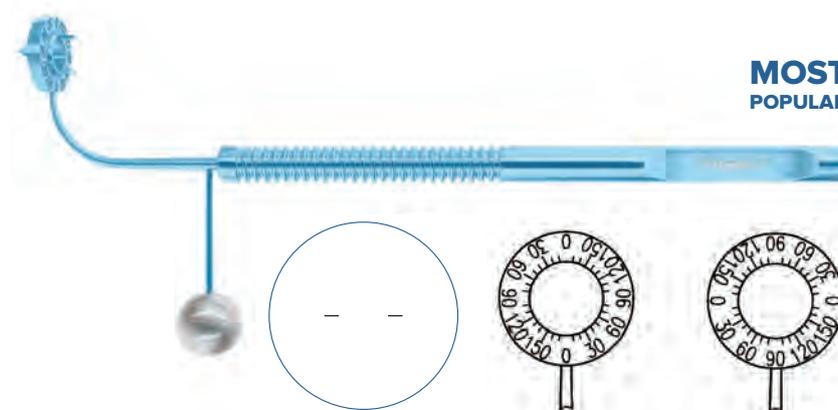
**MOST
POPULAR**



Rumex Toric Combo Marker

Pre-Op marker to mark the axes while
the patient is in sitting position
Marks both horizontal and toric axes
pre-operatively, which eliminates
an Intra-Op step
Provided with rotating ring for
accurate alignmen.
Reduces cyclotorsion effect in supine
position
Overall length 125 mm

3-194 Vertical axis
3-1941 Horizontal axis



**MOST
POPULAR**

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

MARKERS FOR LRI/IOL IMPLANTATION WITH GRAVITY WEIGHT SYSTEM



NEW

Velasquez

Gravity Corneal Marker for LRI/Toric IOL implantation

4 radial blades mark the horizontal and vertical meridians of the visual axis

The internal marks help to check the IOL alignment in the end of surgery

The central 5 mm ring serves as a guide for Capsulorhexis

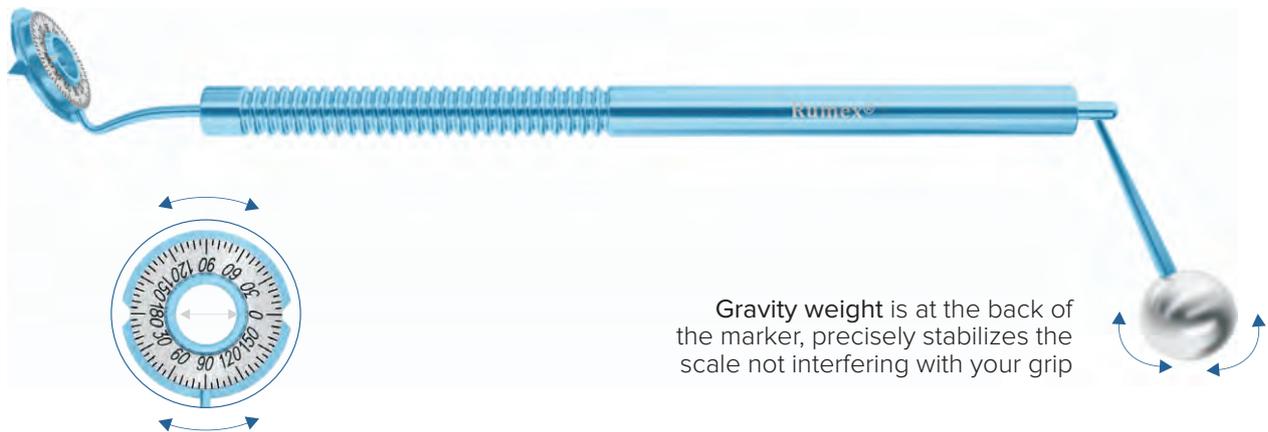
The outer ring protects blades from damage

Angled shaft helps to avoid touching the lower eyelid

3-195 Angled shaft



Designed in cooperation with Jaime Velasquez O'Byrne, M.D., Colombia



Gravity weight is at the back of the marker, precisely stabilizes the scale not interfering with your grip

NEW

Richman

SINGLE-STEP toric marker

Designed to mark the desired axis of toric placement. The mark is performed pre-operatively, which eliminates an intra-op step

New design makes markings and degree scale more visible, allowing better accuracy

The outer barrel has indentations which make it easy to rotate ERGONOMIC handle is angled to avoid the lower eyelid when marking while still being able to rest your hand on the patient's cheek for stability

Gravity weight is at the back of the marker, not interfering with your grip

There is a wide central opening for better centration when marking

3-196 Angled shaft



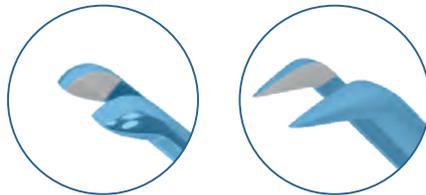
Designed in cooperation with Jesse Richman, M.D., USA

FORCEPS

CAPSULORHEXIS FORCEPS

Utrata
Capsulorhexis Forceps
Straight jaws, 11 mm
Small size
Overall length 82 mm
Titanium or Stainless Steel

- 4-030T Regular tips
- 4-0300T Cystotome tips
- 4-0300S Cystotome tips



4-030T 4-0300T, 4-0300S

MOST POPULAR



Utrata
Capsulorhexis Forceps
Straight jaws, 11 mm
Long handle
Overall length 107 mm
Titanium or Stainless Steel

- 4-0301T Cystotome tips
- 4-0301S Cystotome tips



MOST POPULAR



Utrata
Capsulorhexis Forceps
Curved jaws, 11 mm
Long handle
Overall length 107 mm
Titanium

- 4-0321T Cystotome tips

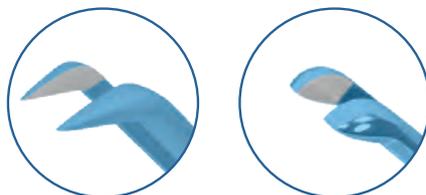


MOST POPULAR



Utrata
Capsulorhexis Forceps
Straight jaws, 11 mm
Round handle
Overall length 110 mm
Titanium

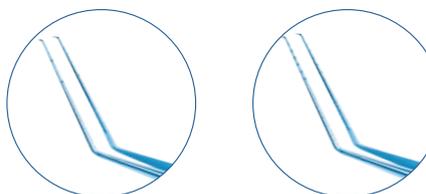
- 4-0311T Cystotome tips (shown)
- 4-031T Regular tips



4-0311T 4-031T

Utrata With Ruler
Capsulorhexis Forceps
Straight jaws, 11 mm
With internal laser marks
Ultra-thin profile
Cystotome tips
Round handle
Overall length 110 mm
Titanium

- 4-03114T 2 engravings at 3, 6 mm
- 4-03115T 6 engravings at 1, 2, 3, 4, 5, 6 mm



4-03114T 4-03115T



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

Utrata**Capsulorhexis Forceps**

Curved Jaws, 11 mm
Round handle
Overall length 110 mm
Titanium

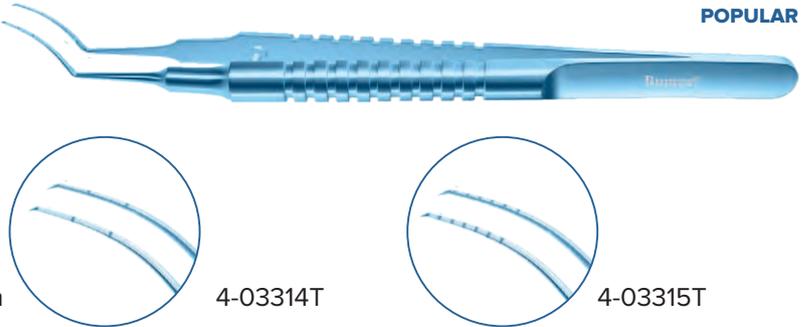
4-0331T Cystotome tips

**Utrata With Ruler****Capsulorhexis Forceps**

Curved jaws, 11 mm
With internal laser marks
Ultra-thin profile
Cystotome tips
Round handle
Overall length 110 mm
Titanium

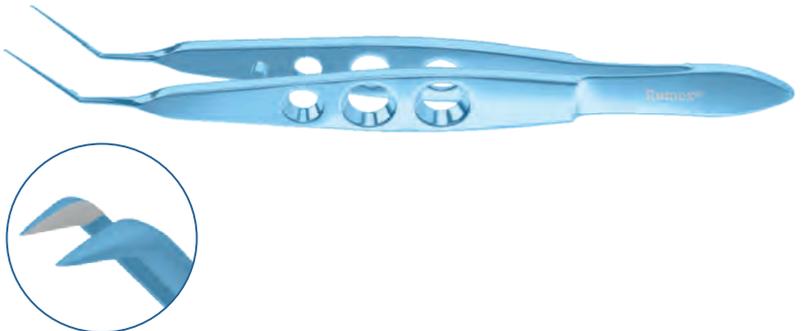
4-03314T 2 engravings at 3, 6 mm

4-03315T 6 engravings at 1, 2, 3, 4, 5, 6 mm

**Nevyas****Capsulorhexis Forceps**

Straight jaws, 11 mm
Cystotome triangular tips
Flat fenestrated handle
Overall length 105 mm
Titanium

4-0352T Cystotome tips

**Microcoaxial Forceps****Capsulorhexis Forceps With Limiter**

Curved Jaws, 11 mm
Ultra-thin profile and limiter for
Capsulorhexis even through 2-mm incision
Round handle
Overall length 106 mm
Stainless Steel

4-0312S Cystotome tips

**Inamura Type****Rumex Capsulorhexis Forceps**

Curved jaws
Designed to fit through incisions down
to 2 mm
Recommended for Coaxial
Phacemulsification
Cross-action
To maintain alignment of tips, prevent
leakage
of viscoelastic from anterior chamber
Cystotome tips
Overall length 115/117 mm
Stainless Steel

4-0391S Jaws 10 mm for corneal incision

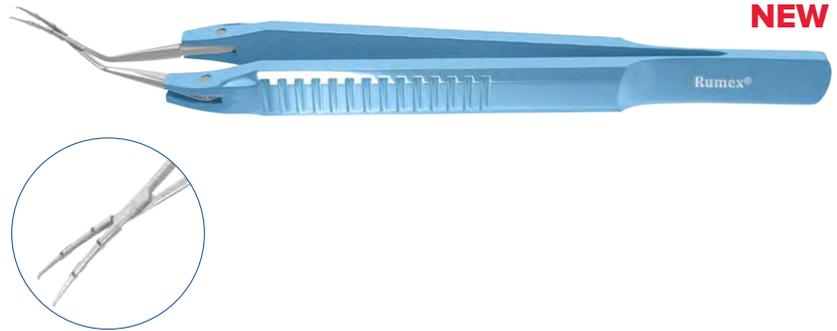
4-0392S Jaws 12 mm for scleral incision



Capsulorhexis Forceps with Scale

2.50 mm, 5.00 mm from the tip
 Cross-action
 Curved jaws 8.50 mm
 For 1.50 mm incisions
 Overall length 100 mm
 Titanium handle

4-0395



Microincisional Capsulorhexis Forceps

Cystotome tips
 Curved MICRO-THIN jaws
 For 1.50 mm incision
 With limiter
 Flat handle
 Overall length 104 mm
 Stainless steel

4-032S



Forceps for Femtosecond Laser Cataract Procedure

Special blunt-ended
 Cross-action facilitates quick and safe
 incision opening
 Ultra thin delicate tips safe for the
 wound edges
 Stainless steel

4-0582S



MICS CAPSULORHEXIS FORCEPS

Kershner

One-Pinch Capsulorhexis Forceps

Curved 23 Gauge shaft
For High Vacuum Phaco
Designed to perform Capsulorhexis through
0.80 mm side-port incision
Cystotome tips
With fixation wheel
Compatible with Squeeze Handle 12-003T

4-03731* 23Ga



Kershner

One-Pinch Capsulorhexis Forceps with Micro Jaws

Curved 23 Gauge shaft
Designed to perform Capsulorhexis through
0.80 mm side-port incision
Micro jaws
Reduced length of the branches for better
maneuverability in the anterior chamber during
Capsulorhexis
Cystotome tips
With fixation wheel
Compatible with Squeeze Handle 12-003T

4-03741* 23Ga



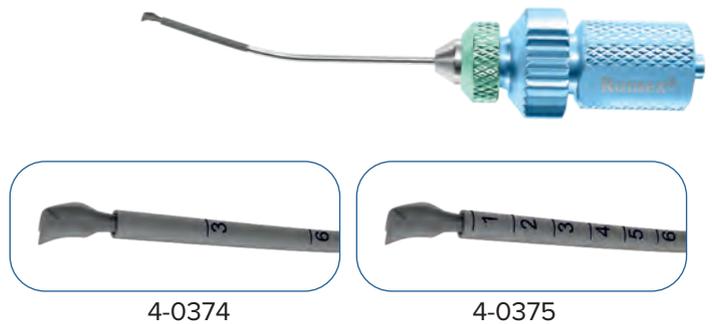
**MOST
POPULAR**

Capsulorhexis Forceps with Internal Ruler / with Micro Jaws

The internal laser marks allow to measure
the size of rhexis
Curved 23 Gauge shaft
Micro jaws 0.80 mm
Cystotome tips
With fixation wheel
Compatible with Squeeze Handle 12-003T

4-0374* 23 Ga, 2 engravings at 3, 6 mm

4-0375* 23 Ga, 6 engravings at 1,2,3,4,5,6 mm



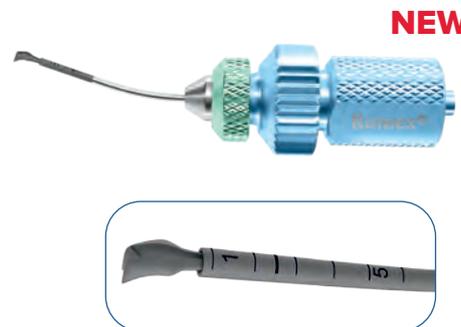
**MOST
POPULAR**

Lesieur

Capsulorhexis Forceps with Internal Ruler

Shorter jaws facilitates gripping the capsule
close to the wound
Gently curved and short 23 Ga shaft for better
maneuverability in the anterior chamber
7 engravings at 1, 2, 2.5, 3, 4, 5, 6 mm for
perfect sizing of the rhexis
Cystotome tips
With fixation wheel
Compatible with Squeeze Handle 12-003T

4-03742* 23Ga



NEW

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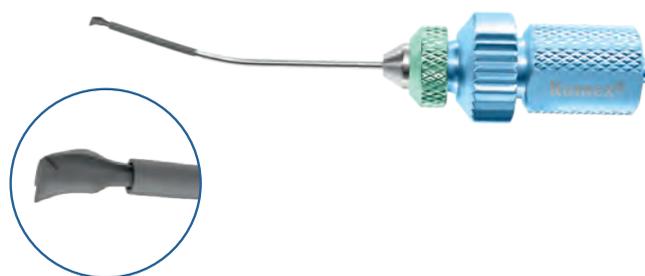
*Handles are sold separately.

Fine-Ikeda

Capsulorhexis Forceps with Micro Jaws

Curved 23 Gauge shaft
 Designed to perform Capsulorhexis through 0.80 mm side-port incision
 Micro jaws
 Reduced length of the branches for better maneuverability in the anterior chamber during Capsulorhexis
 Cystotome tips
 With fixation wheel
 Compatible with Squeeze Handle 12-003T

4-03751* 23 Ga



MOST POPULAR

Ikeda

Micro Capsulorhexis Forceps

Curved 23 Gauge shaft
 Designed to perform Capsulorhexis through 0.80 mm side-port incision
 Micro jaws
 Reduced length of the branches for better maneuverability in the anterior chamber during Capsulorhexis
 Cystotome tips
 With fixation wheel
 Compatible with Squeeze Handle 12-003T

4-03761* 23 Ga



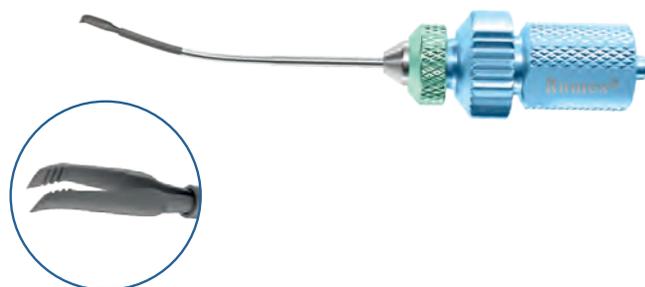
NEW

Kawai

Capsulorhexis Forceps

Curved tapered elongate 23/25 Ga shaft
 Designed to perform Capsulorhexis through 0.80 mm side-port incision
 The construction of the forceps show least adverse effect on the wound.
 Gripping tips are projected out of 25 Ga shaft
 Cystotome tips
 With fixation wheel
 Compatible with Squeeze Handle 12-003T

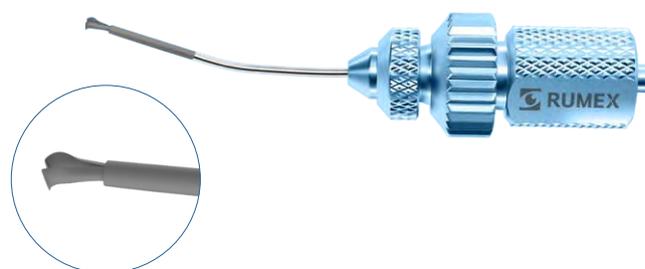
4-03771* 23/25 Ga



Capsulorhexis Forceps with View Port

23 Ga
 7 engravings
 Reduced length, gentle curved tube
 Micro jaws 0.80 mm
 Tip Only

4-03791*



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.
 *Handles are sold separately.

CILIA FORCEPS

Cilia Narrow Forceps

Smooth jaws
Overall length 86 mm
Stainless Steel or Titanium

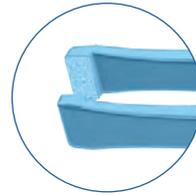
4-042S (shown)
4-042T



Cilia Forceps Wide Forceps

Smooth jaws
Overall length 85 mm
Titanium

4-043T

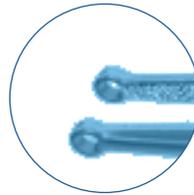


CONJUNCTIVA FORCEPS

Fechtner Conjunctiva Forceps

Delicate ring tip jaws
Overall length 108 mm
Titanium

4-2301T Flat Handle (shown)
4-2302T Round Handle



**MOST
POPULAR**



LID AND CHALASION FORCEPS

Desmarres Chalazion Forceps

Solid lower plate, open upper plate
Locking thumb screw mechanism
Overall length 96/90/92 mm
Titanium

4-1906T Large Size 31×17.40 mm (shown)
4-1907T Small Size 19.80×10.40 mm
4-1912T Medium Size 24×16 mm



Lambert Chalazion Forceps

Round solid lower plate, open upper plate
Locking thumb screw mechanism
Overall length 92/97 mm
Titanium

4-1908T Small 8 mm ID of the upper plate
4-1909T Medium 12 mm ID of the upper plate (shown)



Putterman Lid Clamp

6 Pins
Serrated jaws
Sliding lock
Overall length 100 mm
Titanium

4-140T



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

COMRESSING LID FORCEPS

NEW

Compressing Lid Forceps

Curved
Overall length 112 mm
Titanium

4-1913T



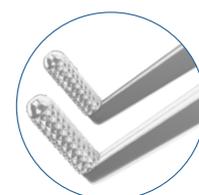
Dysfunctional meibomian glands often cause dry eyes, one of the more common eye conditions. They may also contribute to blepharitis. Inflammation of the meibomian glands (also known as meibomitis, meibomian gland dysfunction, or posterior blepharitis) causes the glands to be obstructed by thick waxy secretions. Physical expression of the blocked glands has the goal of removing gland obstruction. This instrument obtains quick and delicate meibum expression by equal compressing of the eyelid from the internal and the external sides.

NEW

Compressing lid forceps with atraumatic rollers

Designed for mechanical meibum removal
Texturized rollers are safe for the conjunctiva and quick and delicate meibum expression is achieved by even squeezing of the eyelid from its base to the margin
Overall length 107 mm
Stainless steel

4-124S

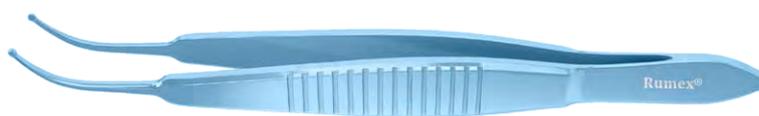


LASIK FLAP FORCEPS

LASIK Flap Forceps

Specially designed for LASIK
For atraumatic corneal flap lifting and holding
Blunt, circle-shaped
Criss-cross serrated jaws
Curved shafts
Overall length 108 mm
Titanium

4-2206T



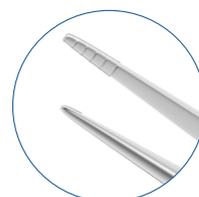
SMILE FORCEPS

NEW

Forceps for small-incision lenticule extraction

Designed to grasp the lenticule and remove it from the corneal pocket
Composite surface of the tips (texturized and crocodile) ensures the efficient grasping of the lenticule
Angled, flat handle, overall length 100 mm, stainless steel

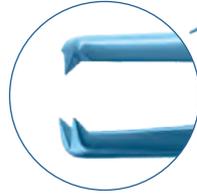
4-2012S



CORNEAL FORCEPS**Colibri
Corneal Forceps**

1×2 teeth, 0.12 mm
Tying platform, 5 mm
Overall length 84 mm
Titanium

4-050T

**MOST
POPULAR****Colibri
Corneal Forceps**

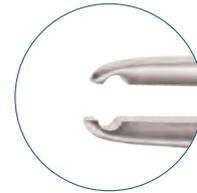
1×2 teeth, 0.12 mm
Tying platform, 5 mm
Overall length 77 mm
Titanium

4-0501T

**Hoskin Colibri
Corneal Forceps**

Pierced tips
Tying platform, 5 mm
Overall length 84 mm
Stainless Steel

4-0502S

**Colibri-Bonn
Corneal Forceps**

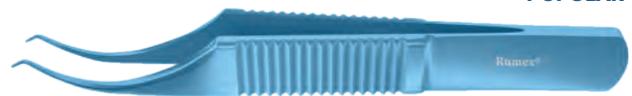
1×2 teeth, 0.12 mm
Tying platform, 5 mm
Overall length 84 mm
Stainless Steel

4-0503S

**MOST
POPULAR****Colibri-Bonn
Corneal Forceps**

1×2 teeth, 0.12 mm
Tying platform, 5 mm
Overall length 84 mm
Titanium

4-0504T

**MOST
POPULAR****Micro Colibri
Corneal Forceps**

1×2 teeth, 0.12 mm
Tying platform, 5 mm
Overall length 73 mm
Titanium

4-0505T



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

**Colibri
Corneal Forceps**

Bonn type 1×2 teeth, 0.12 mm
Tying platform, 5 mm
Overall length 115 mm
Titanium

4-053T



**Colibri
Corneal Forceps**

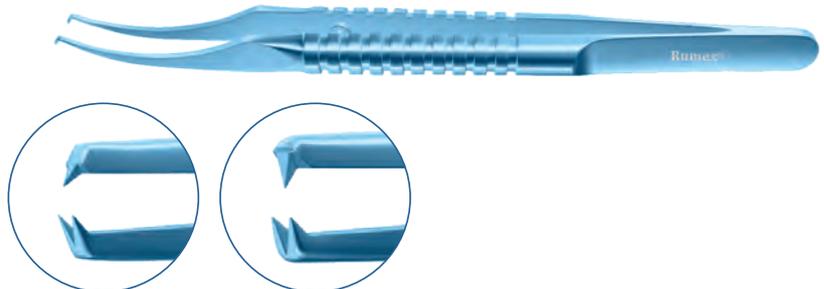
1×2 teeth, 0.12 mm
Tying platform, 5 mm
Round handle
Overall length 109 mm
Titanium

4-054T

regular tips

4-0540T

Bonn type tips



4-054T

4-0540T

**Castroviejo Colibri
Corneal Forceps**

1×2 teeth, 0.12 mm
Tying platform, 5.0 mm
Overall length 107 mm
Titanium

4-0541T



**Bonn-Catalano
Corneal Forceps**

1×2 teeth, 0.12 mm
Tying platform, 5 mm
Round handle
Overall length 105 mm
Titanium

4-0551T



**Catalano
Corneal Forceps**

Tying platform, 5 mm
Round handle
Overall length 105 mm
Titanium

4-055T 1×2 teeth 0.12 mm (shown)

4-056T 1×2 teeth 0.30 mm

4-057T 1×2 teeth 0.50mm



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

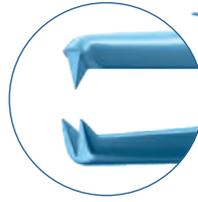
CORNEAL FORCEPS

Bonn

Corneal Forceps

1×2 teeth, 0.12 mm
Tying platform, 5 mm
Overall length 94/72 mm
Titanium

4-058T Medium size (shown)
4-059T Small size

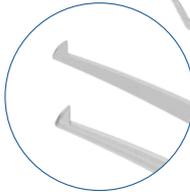


**MOST
POPULAR**

Florakis Endothelial Forceps

Designed to assist the removal of
endothelium from the host cornea
Reversed triangular tips, angled 75°

4-246S

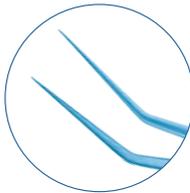


NEW

Corneal Donor Insertion Forceps

Designed for atraumatic insertion of the
donor lamella folded in a taco shape
30 degrees angled, 18 mm tip
Round Handle
Overall Length 125 mm
Titanium

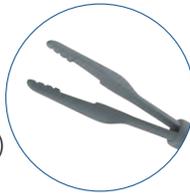
4-2019T



Forceps for Corneal Endothelium Implantation

For inserting the donor button with the
pullthrough technique
Security of cornea stromal layer
Compatible with Squeeze Handle (12-003T)

4-034*



DRESSING FORCEPS

Dressing Forceps with Delicate Serrations

Straight serrated tips, 6 mm
Round handle
Overall length 108 mm
Stainless Steel

4-071S

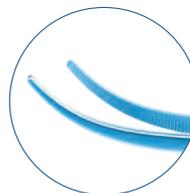


**MOST
POPULAR**

Dressing Forceps with Delicate Serrations

Serrated tips, 12 mm
Overall length 100 mm
Stainless steel or Titanium

4-070S



4-071S

4-072T



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.
*Handles are sold separately.

FIXATION FORCEPS

Adson

Fixation Forceps with Teeth

Ideal for plastic & reconstructive surgery

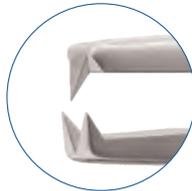
1×2 teeth, 0.50 mm

Overall length 124 mm

Stainless Steel or Titanium

4-0741S

4-0741T



Polack

Corneal Transplant Fixation Forceps

Two point fixation

Delicate 1×2 teeth, 0.12 mm

1.20 mm between the ends

Curved shafts

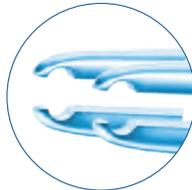
Pierse type tips

Round handle

Overall length 112 mm

Titanium

4-0814T



Nevyas-Wallace

Fixation Forceps

Two point fixation

13 mm between the ends

1×2 teeth, 0.12 mm

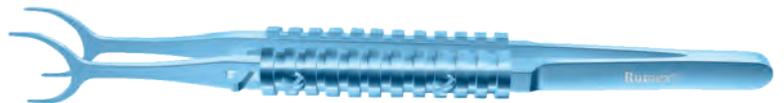
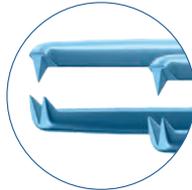
Straight shafts

Round handle

Overall length 105 mm

Titanium

4-08011T



Castroviejo

Fixation Forceps

Straight shafts

1×2 teeth, 0.50 mm

Overall length 105 mm

Titanium

4-0822T



LENS INSERTERS

Steinert Paddle Lens Folding Forceps

Angled shafts
Overall length 110 mm
Titanium

4-2107T

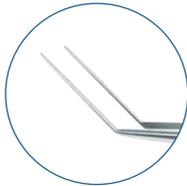


**MOST
POPULAR**

Faulkner Lens Holding Forceps

Angled shafts
Smooth jaws
Overall length 105 mm
Stainless Steel

4-2108S

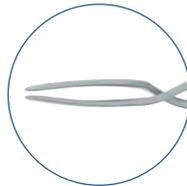
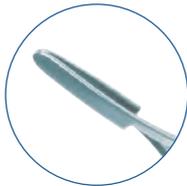


**MOST
POPULAR**

McDonald Inserting Forceps for Silicone Lens

Concave jaws, 5 mm
Cross-action
Overall length 102 mm
Stainless Steel

4-2113S

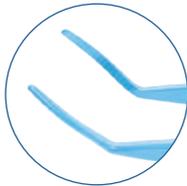


**MOST
POPULAR**

Acrylic Lens Insertion Forceps

Flat handle
Overall length 102 mm
Titanium

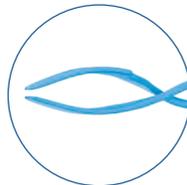
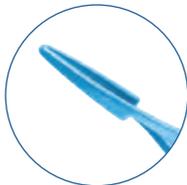
4-2132T



Akahoshi Forceps For Acrylic Lens

Thin and smooth jaws, 7 mm
Jaws open up to 5.50 mm
Cross-action
Overall length 102 mm
Titanium

4-2138T



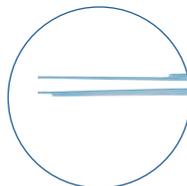
**MOST
POPULAR**

Cartridge Loading Forceps

Designed for inserting Acrylic
IOL into A, B, C, D cartridges

To be used with 16-2806, 16-2807, 16-2808
Injectors
Smooth jaws
Overall length 109 mm
Titanium

4-2141T



IOL REMOVING INSTRUMENTS

Rowen Rescue Kit For Foldable Lens Removal

Rowen Rescue Kit Forceps

Crocodile Type Intraocular Forceps
For Foldable
Lens Removal
Curved shaft
To remove silicone or acrylic IOL in case
of complications
Compatible with Squeeze Handle 12-003T

4-2150* 20Ga



Rowen Rescue Kit Scissors

Straight Intraocular Scissors For Foldable
Lens Removal
Curved shaft
To remove silicone or acrylic IOL in case
of complications
Compatible with Squeeze Handle 12-003T

4-2151* 19Ga



**MOST
POPULAR**

Rumex Foldable Lens Cutter

Designed to cut and remove all types of
foldable intraocular lens through a small
incision.

Upper blade of the scissors has three
bevels for effective cutting and grasping
of the IOL.

Squeeze Titanium Handle
Overall length 112 mm

4-21731

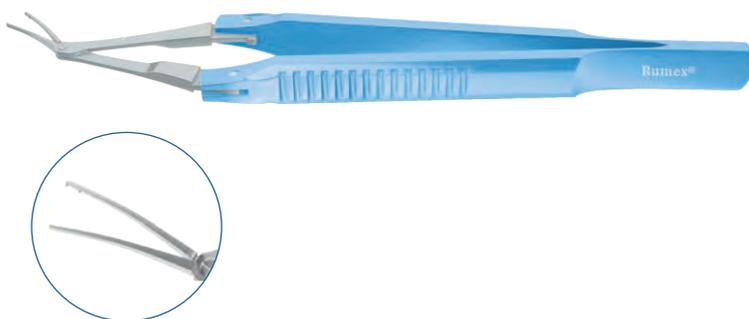


Rumex Foldable Lens Removing Forceps

Designed to grasp and remove all types
of foldable intraocular lens through
a small incision

Squeeze Titanium Handle
Overall length 110 mm

4-21741



Osher IOL Scissors

To cut Silicone or Acrylic IOL in case
of complications
6 mm long blades with serration to fixate
the lens

Overall length 91 mm
Stainless steel

4-2175S



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Handles are sold separately.

ICL FORCEPS

ICL™

Cartridge Loading Forceps

Designed to remove the ICL from the container and push it inside the cartridge
 Angled 30 degree long jaws
 Round handle
 Overall length 120 mm
 Titanium or stainless steel

4-20111T

4-20111S

ICL™ - registered trademark of STAAR®



ICL™

Coaxial Angled ICL™ Loading Forceps

Straight 20 Gauge shaft
 Non rotatable
 Designed to load the ICL™ inside the cartridge to ensure proper positioning by pulling from the distal opening
 Compatible with Squeeze Handle 12-003T

4-21431* 20Ga

ICL™ - registered trademark of STAAR®



IOL Grasping Forceps

Curved shaft
 Sand-blasted surfaces for efficient gripping
 Fenestrated jaws for better visualization and haptic manipulation
 Designed to reach and hold the IOL optic and gaptic
 Compatible with Squeeze Handle 12-003T

4-2145* 21Ga



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

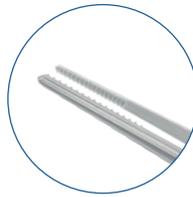
*Handles are sold separately.

IRIS FORCEPS

Iris Forceps With Delicate Serrations

Straight shaft
 Fine serrated tips
 Overall length 72 mm
 Stainless Steel

4-100S



Iris Forceps With Delicate Teeth

1×2 teeth
 Overall length 72 mm
 Stainless Steel

4-101S straight shaft (shown)
 4-102S curved shaft



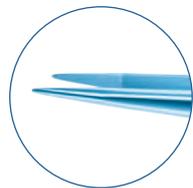
JEWELLER FORCEPS

**MOST
 POPULAR**

Jewelers #5 Forceps

Straight jaws
 Pointed tips
 Tying platform
 Overall length 110 mm
 Titanium

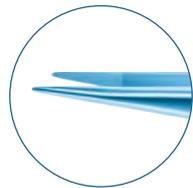
4-111T



Jewelers #3C Forceps

Straight jaws
 Pointed tips
 Tying platform
 Overall length 110 mm
 Titanium

4-113T



Jewelers #7 Forceps

Curved jaws
 Pointed tips
 Tying platform
 Overall length 110 mm
 Stainless Steel and Titanium

4-115T

4-115S



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

HEMOSTATIC FORCEPS AND SERREFINES

**MOST
POPULAR**

Hartman

Hemostatic Mosquito Forceps

Serrated jaws
Ring handle
Overall length 75 mm
Stainless Steel

4-120S straight (shown)
4-121S curved



Halsted

Hemostatic Mosquito Forceps

Serrated jaws
Ring handle
Overall length 120 mm
Stainless Steel

4-122S straight (shown)
4-123S curved



Serrefine

Straight
Large Size
Overall length 55 mm
Stainless Steel

16-090S



MUSCLE FORCEPS

Jameson

Muscle Forceps

11 mm from tip to angle
6 teeth
Slide lock
Overall length 100 mm
Stainless Steel

4-130S Left
4-131S Right (shown)



Osher

Superior Rectus Forceps

Curved with 1x2 teeth, 0.50 mm
Angled shafts
10 mm from tip to angle
Overall length 107 mm
Stainless Steel

4-136S



SUTURING FORCEPS

**MOST
POPULAR**

Castroviejo Suturing Forceps

Tying platform, 6 mm
Overall length 110/108/108 mm
Titanium or Stainless Steel

- 4-0600S 1×2 teeth, 0.12 mm
- 4-0600T 1×2 teeth, 0.12 mm
- 4-0601S 1×2 teeth, 0.30 mm
- 4-0601T 1×2 teeth, 0.30 mm
- 4-0602S 1×2 teeth, 0.50 mm
- 4-0602T 1×2 teeth, 0.50 mm



Paufique Suturing Forceps

1×2 teeth, 0.50 mm
Tying platform, 6 mm
Overall length 86 mm
Titanium or Stainless Steel

- 4-0606T (shown)
- 4-0606S



**MOST
POPULAR**

Bishop-Harmon Suturing Forceps

1×2 teeth, 0.30 mm
Tying platform, 5 mm
Overall length 86 mm
Stainless Steel

- 4-0607S



Moorfields Suturing Forceps

For gripping the tissue, conjunctiva
and Tenon's capsule
Grooved section, 13 mm
Overall length 110 mm
Titanium

- 4-2303T

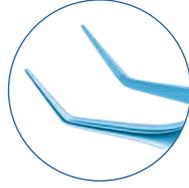


TYING FORCEPS

Kelman-McPherson Tying Forceps

Overall length 81/84/86 mm
Titanium or Stainless Steel

- 4-090T Tying Platforms, 4mm
- 4-091S Tying Platforms, 8 mm
- 4-092S Tying Platforms, 10 mm
- 4-092T Tying Platforms, 10 mm

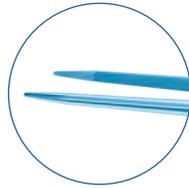


**MOST
POPULAR**

McPherson Tying Forceps

Straight
Tying platforms, 4 mm
Standard handle
Overall length 84 mm
Titanium or Stainless Steel

- 4-171T
- 4-171S

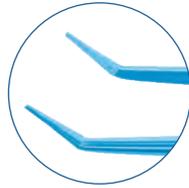


**MOST
POPULAR**

McPherson Tying Forceps

Angled
Long handle
Standard handle
Overall length 102/103/104/106 mm
Titanium

- 4-173T Tying Platform, 6 mm
- 4-174T Tying Platform, 8 mm
- 4-175T Tying Platform, 10 mm
- 4-176T Tying Platform, 12 mm

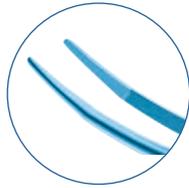


**MOST
POPULAR**

McPherson Tying Forceps

Curved
Tying platforms, 4 mm
Long handle
Overall length 109 mm
Titanium or Stainless Steel

- 4-177T
- 4-177S

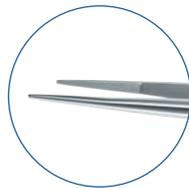


**MOST
POPULAR**

McPherson Tying Forceps

Straight
Tying platforms, 7 mm
Long handle
Overall length 110 mm
Stainless Steel

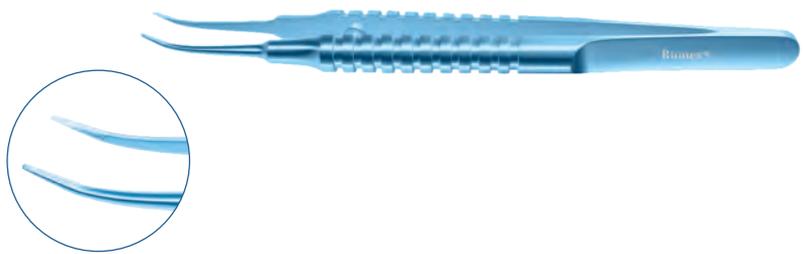
- 4-178S



Catalano
Tying Forceps

Curved
V-groove tying platform, 6 mm
Round handle
Overall length 105 mm
Titanium

4-182T



Tennant

Extra delicate smooth jaws
Tying platform, 6 mm
For 9-0 to 11-0 sutures
Round handle
Overall length 108/107/107 mm
Titanium or Stainless Steel

4-185T straight
4-185S straight
4-1851T angled
4-186S curved



Intraocular Tying Forceps

Designed for intraocular suturing
Compatible with Squeeze Handle
(12-003T)

4-1891* 23 Ga

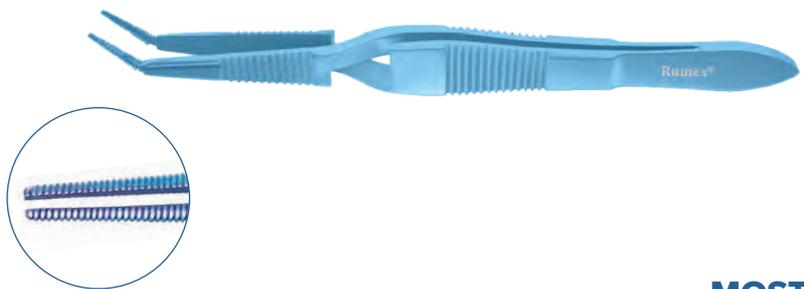


UTILITY FORCEPS

Watzke
Sleeve Spreading Forceps

Angled serrated jaws
Serrated cross-action handle
Overall length 114 mm
Titanium

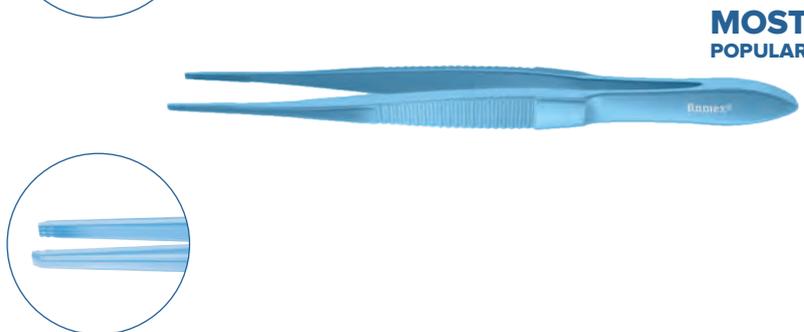
4-2201T



Bonaccolto
Utility Forceps

Longitudinal atraumatic serrations, 15 mm
Cross serrations at tips
Overall length 98 mm
Titanium

4-2300T



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Handles are sold separately.

TOWEL CLAMPS AND FORCEPS

Schaedel Towel Clamp

Flat serrated handle
Overall length 85 mm
Stainless Steel

16-080S



Towel forceps

Ring handle
Overall length 90 mm
Stainless Steel

16-081S



HOOKS

INTRAOCULAR LENS HOOKS

Stainless steel hooks with an ergonomic light-weight round titanium handle.

Lewicky Lens Manipulating Hook

Angled, 10 mm from tip to angle
Vaulted shaft
0.15 mm diameter blunt tip
Overall length 120 mm

5-021



**MOST
POPULAR**

Kuglen Iris Hook and Lens Manipulator

0,15 mm diameter shaft
"H"-shaped tip
Overall length 122/124 mm

5-030 Angled (shown)
5-0301 Straight



Rumex Lens Manipulator

Angled, 10 mm from tip to angle
0,18 mm diameter shaft
Button shaped 0.45 mm tip
Overall length 122 mm

5-031



**MOST
POPULAR**

Sinsky Lens Manipulating Hook

Angled, 10 mm from tip to angle
0,15 mm diameter tip
Overall length 122 mm

5-032 Angled (shown)
5-0321 Straight



Reversed Sinsky Scoring Hook for Endothelial Keratoplasty

Angled, 10 mm from tip to angle
0.15 mm tip diameter
Overall length 116 mm

5-0322



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

INTRAOCULAR LENS HOOKS

Lester Lens Manipulator

Hourglass shaped 0.20 mm tip
Overall length 124/122 mm

5-033 Straight
5-0331 Angled (shown)



Bechert Nucleus Rotator

Angled, 10 mm from tip to angle
"Y" shaped tip
Overall length 121 mm

5-034



Fenzl Lens Manipulating Hook

Angled, 10 mm from tip to angle
"T" shaped tip
Overall length 121 mm

5-036



MUSCLE / TENOTOMY HOOKS

Stainless steel hooks with an ergonomic light-weight flat serrated titanium handle.

Jameson Muscle Hook

Flat hook
Bulbous tip
Overall length 135 mm

5-040 Standard
2.00 mm tip, 9.50 mm hook

5-0401 Small
1.50 mm tip, 8.00 mm hook



Graefe Muscle Hook

Flat hook
Overall length 140 mm

5-041 Size 1
1.00 mm tip, 8.00 mm hook

5-042 Size 2
1.50 mm tip, 10.00 mm hook



Scobee**Oblique Muscle Hook**

Curved shaft
4.50 mm flat hook
Overall length 140 mm

5-061

**Stevens****Tenotomy Hook**

6 mm flat hook
Overall length 120 mm

5-062

**RETINAL DETACHMENT HOOKS**

Stainless steel hooks with an ergonomic light-weight flat serrated titanium handle.

Gass**Retinal Detachment Hook**

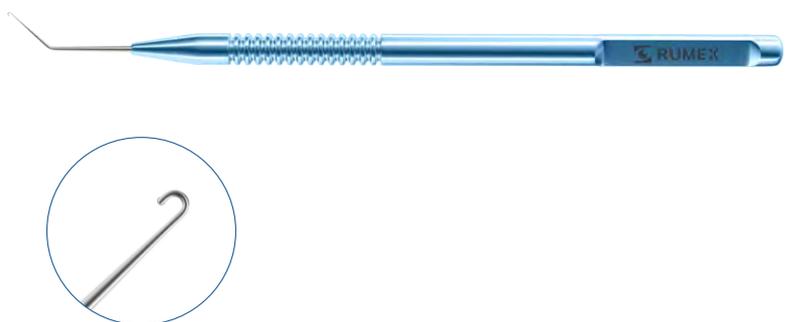
13 mm flat hook
1.50×0.70 mm hole
Overall length 140 mm

5-060

**IRIS HOOK****Iris Hook**

1.00 mm
Angled
Round Handle
Overall Length 121 mm

5-020



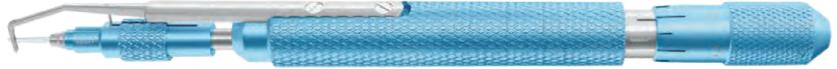
DIAMOND KNIVES



ASTIGMATIC KERATOTOMY AND ICRS

ICRS Knife

Micrometer Titanium Handle
Overall Length 110 mm



ICRS

1.00 mm

Designed for implantation of intrastromal corneal ring segments (ICRS)

Performs a 1 mm radial incision at 70–80% of corneal thickness

Micrometric scale allows to customize the depth of the blade from 0 to 1000 microns (0 to 1.00 mm)

Increment – 5 microns (0.005 mm)

The maximal depth of the blade is 1700 microns (1.70 mm)

6-00/6-020



Arcuate

1.00 mm

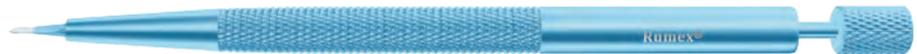
6-00/6-030



UNIVERSAL SIDE PORT KNIVES

Universal Side Port Knives

Straight Titanium Handle
Overall Length 110 mm
Used for paracentesis



6-10/6-050

45° Single Edge
1.00 mm



6-10/6-0501

45° Double Edge
0.60 mm



6-10/6-051

30° Single Edge
1.00 mm



6-10/6-052

45° Double Edge
1.00 mm



**MOST
POPULAR**

6-10/6-053

Trifacet
1.00 mm



**MOST
POPULAR**

6-10/6-0531

20° Trifacet
1.00 mm



6-10/6-070

60° Lancet
1.00 mm



6-10/6-0701

60° Lancet
0.80 mm



6-10/6-076

Multi-Incision
1.00 mm





ANGLED PHACO KNIVES

Phaco Knives

Phaco Knives

Angled Titanium Handle
Overall Length 130 mm
Used for tunnel incision



Clear Cornea Blades

6-20/6-071 – 2.50 mm
6-20/6-072 – 2.80 mm
6-20/6-073 – 3.00 mm
6-20/6-074 – 3.20 mm
6-20/6-075 – 2.20 mm
6-20/6-081 – 2.30 mm
6-20/6-077 – 2.75 mm
6-20/6-078 – 2.70 mm
6-20/6-079 – 2.40 mm
6-20/6-080 – 2.65 mm



Facet-Free Crescent Knives

6-20/6-091 – 1.50 mm
6-20/6-092 – 2.00 mm



Self-Diving Trapezoid Blades

6-20/6-100 – 1.90/2.50 mm
6-20/6-101 – 2.70/3.20 mm
6-20/6-102 – 3.00/3.50 mm
6-20/6-104 – 2.30/2.80 mm
6-20/6-105 – 2.60/3.00 mm
6-20/6-107 – 2.00/2.30 mm



Profile of the incision directed to the Anterior Chamber

Knives for MICS

Knives for Micro Incision Coaxial Surgery (MICS)

Angled Titanium Handle
Overall Length 130 mm
Designed for micro incision



Trapezoid Self-Diving Blades

6-20/6-140 – 0.50/1.00 mm
6-20/6-141 – 0.80/1.20 mm
6-20/6-142 – 1.30/1.50 mm
6-20/6-143 – 1.50/1.80 mm
6-20/6-144 – 1.80/2.00 mm
6-20/6-145 – 1.80/2.20 mm



Zaldivar Knife for ICL Implantation

6-20/6-0551

0.55/1.00 mm
Designed for ICL™ implantation
Can be used for other incisions:
Side port, clear cornea, scleral tunnel





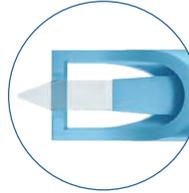
LRI KNIVES

Universal Three-Step Knife for Cataract and LRI Surgery

Precise, easy and stable calibration mechanism with 3 preset depths of 500, 550 and 600 microns. Full extension for side port incision. Overall Length 130 mm



Single footplate for better visualization
20° Trifacet Blade
0.20 – 1.00 mm



6-322/6-0531

Pre-set LRI knives

Pre-Set LRI Knives

Short Titanium Handle
Overall Length 78 mm
Can be used with a slit lamp

6-500S/6-0531

Preset depth 500 microns

6-600S/6-0531

Preset depth 600 microns



Pre-Set LRI Knives

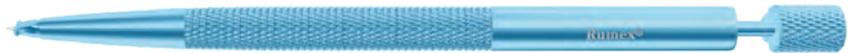
Long Titanium Handle
Overall Length 110 mm

6-500/6-0531

Preset depth 500 microns

6-600/6-0531

Preset depth 600 microns



Cleaning Pack

Diamond Knife Cleaning Pack

The pack consists of 3 solutions that are used to clean the blade of the residual debris prior to sterilization.

21-602-1

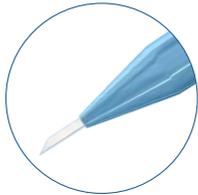


SAPPHIRE KNIVES

NEW



Universal Side Port Knives



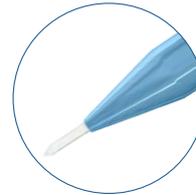
6-10/6SK-0501

45° Double Edge Blade
1.00 mm



6-10/6SK-053

Trifacet Blade
1.00 mm



6-10/6SK-070

60° Double Edge Lancet Blade
1.00 mm

Phaco Knives



Clear Cornea Blades

6-20/6SK-070 – 1.80 mm
6-20/6SK-072 – 2.80 mm
6-20/6SK-073 – 3.00 mm
6-20/6SK-074 – 3.20 mm
6-20/6SK-075 – 2.20 mm
6-20/6SK-080 – 2.65 mm



Self-Diving Trapezoid Blades

6-20/6SK-145 – 1.80/2.20 mm
6-20/6SK-146 – 1.80/2.40 mm
6-20/6SK-147 – 1.80/2.90 mm
6-20/6SK-148 – 1.80/3.20 mm



Facet-Free Crescent Blades

6-20/6SK-092 – 2.00 mm
6-20/6SK-093 – 2.20 mm



Zaldivar Knife for ICL Implantation

6-20/6SK-0551 – 0.55/1.00 mm

PHACO INSTRUMENTS

NUCLEUS CRACKERS

Ernest Nucleus Cracker

Cross-action
Overall length 106 mm
Titanium

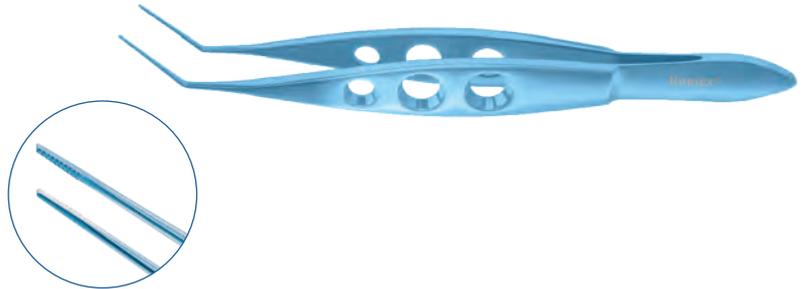
7-025T



Kansas-Alfonso Nucleus Fragment Removing Forceps

Designed to remove fragments of the nucleus through a small incision.
Has two rows of delicate teeth on jaws
Flat fenestrated handle
Overall length 107 mm
Titanium

7-0201T



Slade/Terao Vertical Nucleus Cracker

Use to crack the nucleus
in Femtosecond cataract procedure
Side to side moving tip

7-141*



PRECHOPPERS

Cross-action Prechopper Forceps with an ergonomic round serrated squeeze-handle are made of high quality stainless steel.

Prechopper

Angled
Maximum opening – 2.80 mm
Overall length 117 mm
Stainless Steel

7-111S



**MOST
POPULAR**

Yeoh Femtosecond Pre-chopper

Blunt atraumatic tips for complete nucleus
separation during femtosecond laser
cataract procedure

7-1166S



NEW

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Handles are sold separately.

Combo Prechopper

Straight
Specially designed jaws to split soft and hard nuclei
With sharp blades on the upper side of the tips and blunt on the other side
Maximum opening – 2.80 mm
Overall length 121 mm
Stainless Steel

7-1161S



Combo Prechopper

For sub-2.00 mm Coaxial MicroPhaco
Straight
Specially designed to split nuclei through a small 2.00 mm incision
Maximum opening – 2.00 mm
Overall length 121 mm
Stainless Steel

7-1162S



Akahoshi Hybrid Combo Prechopper

Straight
Groove enables easy rotation of the nuclei during prechopping
Maximum opening – 2.80 mm
Overall length 121 mm
Stainless Steel

7-1163S



**MOST
POPULAR**

Inamura Eagle Prechopper

Straight
Narrow tip is easy to insert to the denser nucleus which enables division from soft to dense nucleus without the counter force
Maximum opening – 2.80 mm
Overall length 120 mm
Stainless Steel

7-1165S



Inamura Eagle Prechopper

Straight
Cross-action
Max opening 1.80 mm
Round Handle
Overall Length 121 mm
Stainless Steel

7-11651S



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

CHOPPERS**MOST
POPULAR****Nagahara
Phaco Chopper**

Overall length 120 mm

7-063 RHD (shown)
7-064 LHD**Nagahara
Phaco Chopper and Drysdale
Nucleus Manipulator**

Overall length 133 mm

7-0631 Titanium handle (shown)
7-0631S Stainless Steel**MOST
POPULAR****Rosen
Phaco Chopper Universal**

Overall length 120 mm

7-065

**Rosen
Phaco Splitter**60 degree angled
Wedge shaped
Overall length 120 mm7-066 RHD (shown)
7-067 LHD**Phaco Cleaver**

Overall length 120 mm

7-068 RHD
7-069 LHD

Nucleus Claw Chopper

Overall length 120 mm

7-072

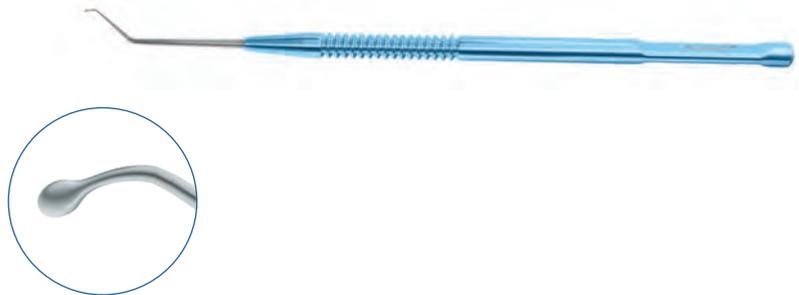
**Intraocular Manipulator with Ball Tip**

0.50 mm diameter ball tip

Overall length 123 mm

7-074 Straight

7-075 Angled (shown)

**Small Pupil Snapper Hook & Phaco Chopper**

Overall length 121 mm

7-077

**Phaco Spatula**

Small Pupil Snapper Hook & Micro Finger

Overall length 142 mm

7-079

**Drysdale**

Nucleus Manipulator & Capsule Polisher

For nucleus dividing and separating

Overall length 121 mm

7-093 Regular Tip

7-0931 Capsule Polisher Tip



CHOPPERS

Micro Finger Chopper

Overall length 120 mm

7-097



He Phaco Chopper

45 degree angled, wedge shaped
Rounded angled polished tip to separate
the nucleus from cortical material
Overall length 120 mm

7-1061 RHD

7-1071 LHD



Phaconit Quick Chopper

Designed to quickly and easily chop all
grades of nuclei
Overall length 120 mm

7-125 0.75 mm tip

7-1251 0.50 mm tip



Triple Edge Phaco Chopper with Polisher Tip

Overall length 117 mm

7-126 Titanium handle shown

7-126S Stainless steel



Chang Micro Finger & Quick Chopper

Modified Micro Finger tip with interior
edge to chop and divide soft nucleus
Quick Chopper with sharp point to
penetrate and split hard nucleus
Overall length 125 mm

7-127 RHD Titanium handle (shown)

7-127S RHD Stainless steel

7-1271 LHD Titanium handle

7-1271S LHD Stainless steel



Quick Chopper With Rounded Edge

Overall length 120 mm

7-128 RHD

7-1281 LHD

**Seibel Chopper**

Chopper with ball-shaped tip for efficient capsule protection

Overall length 122 mm

7-130 RHD

**Seibel Chopper & Quick Chopper**

Ball-shaped tip for efficient capsule protection

Quick safety chopper with rounded edge

Overall length 138 mm

7-1361 RHD

**Axe Quick Chopper**

Overall length 120mm

7-135

**Slade/Terao**

Nucleus Splitter

Used to crack the femtochopped nucleus
Chopper type design tip

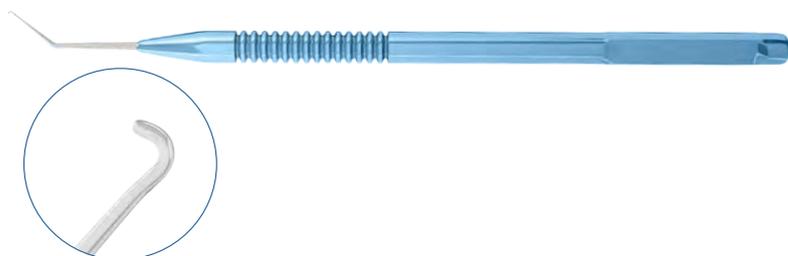
7-143*

**Nagy**

Femtosecond Chopper

Use for femtosecond laser assisted
cataractCracking the nucleus through the laser
created lines

7-145

**Donnenfeld**

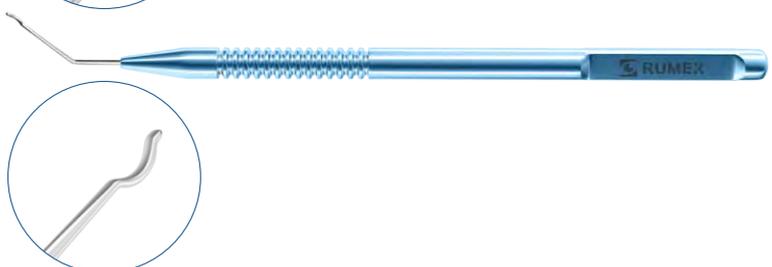
Femto Splitter

For splitting the nucleus

Angled shank

Curved tip

7-146



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Handles are sold separately.

NEW

Hydrochoppers

Lesieur

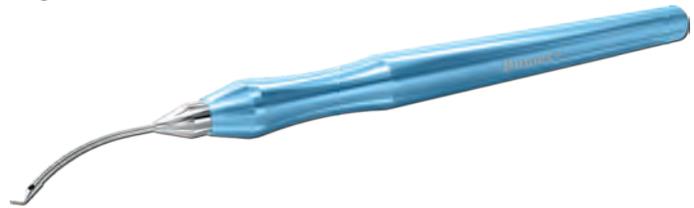
Hydrochopper, 20 Ga

This unique design provides a tip that is efficient for chopping as well as manipulating the nucleus without endangering the posterior capsule. Lesieur Hydrochopper is developed especially for Bimanual Microphaco.

20 Ga tip with Nagahara type chopper (for 1.0 incisions).
The end opening port provides maximum irrigation
The dual oval sideports 0.50×0.70 mm provide supplemental irrigation in case when the front opening is overfilled.
Round Handle
Overall length 105 mm

7-0634/I

Designed in cooperation with
Gilles Lesieur,
M.D., France



Capsule polishers

Anterior / Posterior Capsule Polisher

135 degree angled shaft
Overall length 105 mm

7-101



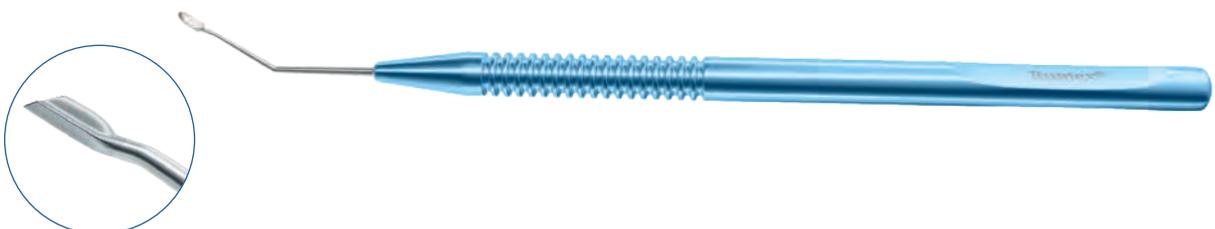
Capsule polishing is an important step of phacoemulsification. Polishing the anterior capsule, removing posterior capsular plaque and other residual cortical debris help to achieve and maintain capsular clarity. At the same time the procedure of polishing must be performed with a safe and delicate instrument.

Capsule Polisher

Designed to perform delicate polishing of the capsule
Angled shaft
"Iron"-shape tip
Texturized tip for polishing all capsule parts
Sharpened ridge at the top for efficient polishing of the bottom side of the anterior capsule
Overall length 120 mm.

7-142

Designed in cooperation with
Huck Holz,
M.D., U.S.A.



IRRIGATION/ASPIRATION HANDPIECES

Irrigation / Aspiration Handpiece For Coaxial Phaco

Round handle
Standard connectors
Overall length 110 mm
Titanium
7-080/IAH



Tips for Irrigation / Aspiration Handpiece

Stainless steel



Thornton 20° angled
7-080/20



Binkhorst
7-080/BC



Simcoe
7-080/SIM



45° angled
7-080/45



90° angled
7-080/90



Straight
7-080/ST

Irrigation Handpiece For Bimanual Technique

Curved tube with smooth faced tip
Round handle
Titanium handle / Stainless steel tip
Standard connector
Overall length 104 mm



MOST POPULAR

7-081 21 Ga
2×0.35 mm side ports



7-0813 21 Ga
2×0.50 mm side ports



MOST POPULAR

7-081-23 23 Ga
2×0.35 mm side ports

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

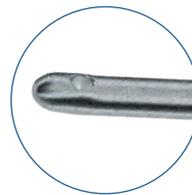
Aspiration Handpiece For Bimanual Technique

Curved tube with smooth faced or texturized tip
 Round handle
 Titanium handle/Stainless steel tip
 Standard connector
 Overall length 104 mm



**MOST
POPULAR**

7-082 21 Ga
 1×0.35 mm top port
 Smooth faced tip



**MOST
POPULAR**

7-0821 22 Ga
 1×0.35 mm top port
 Capsule polisher tip



7-0821-23 23 Ga
 1×0.35 mm top port
 Capsule polisher tip



7-0826 23 Ga
 1×0.30 mm top port
 Polished ball tip is safe and
 atraumatic for the capsular bag
 No need to enlarge the incision
 Smooth faced tip

Stodulka Enhanced Irrigation Handpiece for Bimanual Technique

Handpiece recommended for bimanual microphaco and femtosecond cataract surgery
 Curved, 21 Ga
 Two Ports on Side 0.50×1.00 mm for optimal irrigation
 Bullet-shaped tip facilitates instrument insertion

7-0811



NEEDLE HOLDERS

SMALL SIZE NEEDLE HOLDERS

Titanium Needle Holders with tungsten carbide covered tips for better gripping and with ergonomic round serrated handle.

Barraquer Needle Holder

Curved
Standard jaws, 12 mm
Overall length 100 mm
Titanium

8-010T with lock
8-011T w/out lock (shown)

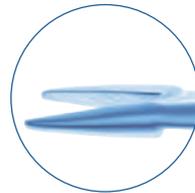


**MOST
POPULAR**

Barraquer Needle Holder

Straight
Standard jaws, 12 mm
Overall length 100 mm
Titanium

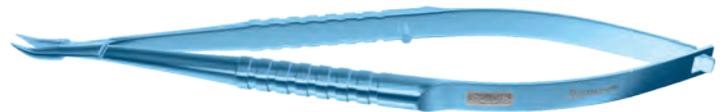
8-013T w/out lock



Barraquer Needle Holder

Curved
Fine jaws, 12 mm
Overall length 100 mm
Titanium

8-020T with lock
8-021T w/out lock (shown)



Barraquer Needle Holder

Curved
Extra fine jaws, 8 mm
Overall length 100 mm
Titanium

8-024T with lock
8-025T w/out lock (shown)



**MOST
POPULAR**

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

MEDIUM SIZE NEEDLE HOLDERS

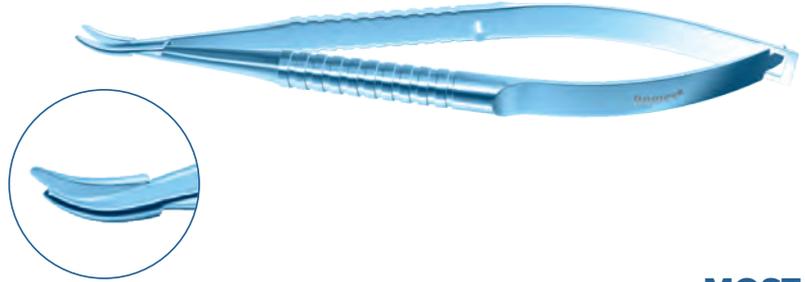
Titanium Needle Holders with tungsten carbide covered tips for better gripping and with ergonomic round serrated handle.

**MOST
POPULAR**

Barraquer Needle Holder

Curved
Standard jaws, 12 mm
Overall length 115 mm
Titanium

8-030T with lock
8-031T w/out lock (shown)

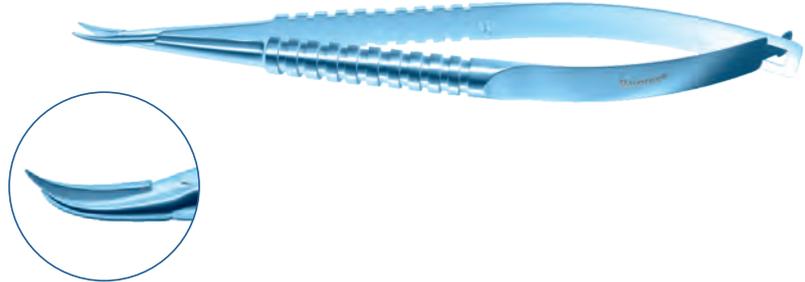


**MOST
POPULAR**

Barraquer Needle Holder

Curved
Fine jaws, 11 mm
Overall length 115 mm
Titanium

8-040T with lock
8-041T w/out lock (shown)

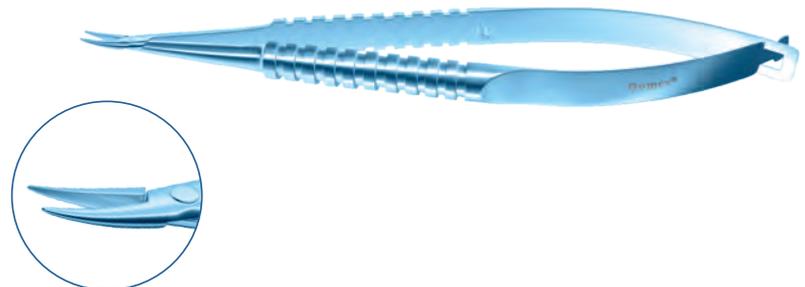


**MOST
POPULAR**

Barraquer Needle Holder

Curved
Extra fine jaws, 8 mm
Overall length 115 mm
Titanium

8-045T w/out lock



LONG SIZE NEEDLE HOLDERS

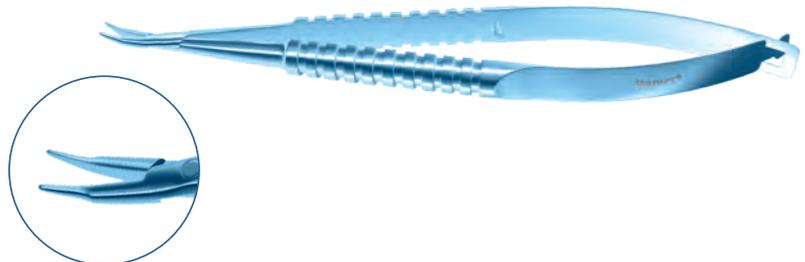
Titanium Needle Holders with tungsten carbide covered tips for better gripping and with ergonomic round serrated handle.

**MOST
POPULAR**

Barraquer Needle Holder

Curved
Extra fine jaws, 14 mm
Overall length 125 mm
Titanium

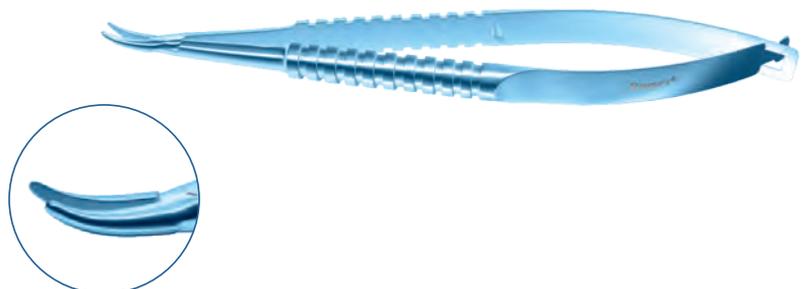
8-050T with lock
8-051T w/out lock (shown)



Barraquer Needle Holder

Curved
Standard jaws, 12 mm
Overall length 125 mm
Titanium

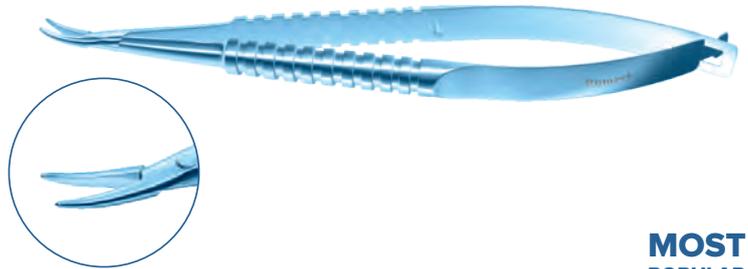
8-060T with lock
8-061T w/out lock (shown)



Barraquer Needle Holder

Curved
Fine jaws, 12 mm
Overall length 125 mm
Titanium

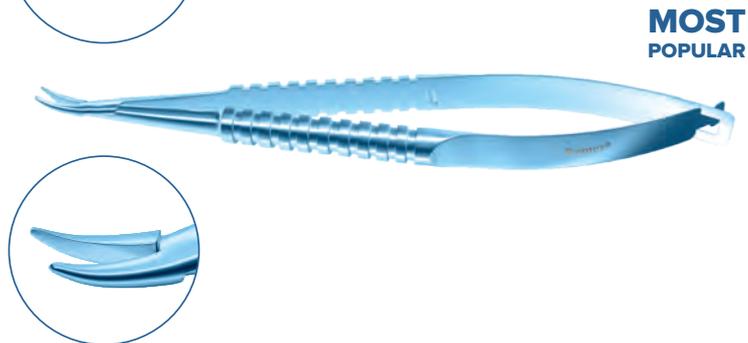
8-070T with lock
8-071T w/out lock (shown)



Barraquer Needle Holder

Curved
Strong jaws, 13.50 mm
Overall length 125 mm
Titanium

8-090T with lock
8-091T w/out lock (shown)



KALT NEEDLE HOLDERS

Kalt Needle Holder

Straight
Standard jaws, 12 mm
Flat serrated locking handle
Overall length 135 mm
Titanium

8-080T

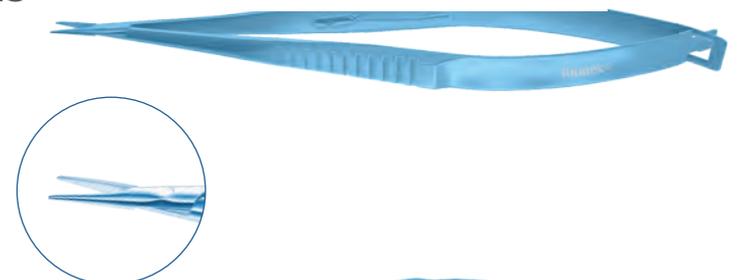


CASTROVIEJO NEEDLE HOLDERS

Castroviejo Needle Holder

Straight
Delicate jaws 13.50 mm
Overall length 125 mm
Titanium

8-0921T with lock



Castroviejo Needle Holder

Curved
Delicate jaws
Gripping surface 8 mm
Overall length 135 mm
Titanium

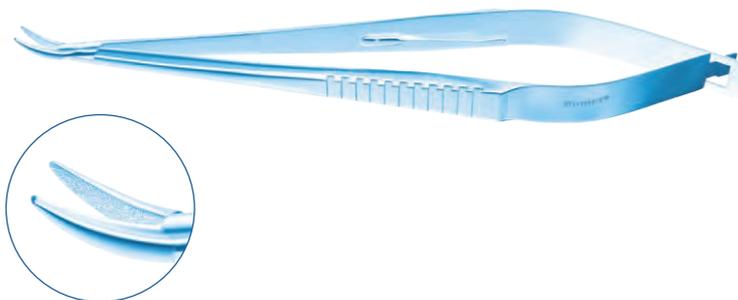
8-096T w/out lock



Castroviejo Needle Holder

Curved
Standard jaws
Gripping surface 11 mm
Overall length 140 mm
Titanium

8-100T with lock



ING'S NEEDLE HOLDERS / SCISSORS

Ing's Needle Holder / Scissors

Combination of needle holder and scissors
in one instrument
Long size jaws 15 mm
Round serrated handle
Overall length 105mm
Stainless Steel

8-102S



COAXIAL / INTRAOCULAR NEEDLE HOLDERS

Coaxial Needle Holder For IOL Suturing

Designed for IOL scleral fixation with suture
through a small incision
Titanium handle with plunger mechanism
Curved shaft
To be used with straight and curved
spatulated needles with length up to 18 mm
(Poly-propylene 10-0 or 9-0)
Overall length 128 mm

8-120

19 Ga



Intraocular Needle Holder

Designed for intraocular suturing and
manipulations with the IOL
Curved shaft
With fixation wheel
Compatible with Squeeze Handle 12-003T

8-1211-23*

23Ga



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Handles are sold separately.

PROBES

Bowman Lacrimal Probe

Overall length 133 mm
 9-010S size 0000 & 000
 9-011S size 00 & 0
 9-012S size 1 & 2
 9-013S size 3 & 4
 9-014S size 5 & 6
 9-015S size 7 & 8



Quickert Lacrimal Intubation Probe

Overall length 140 mm
 9-021S size 0
 9-023S size 2
 9-024S size 3



Pigtail Lacrimal Probe

8 mm pigtail curved probes with holes
 Round serrated handle
 Polished tip
 Overall length 145 mm
 9-031



Wilder Lacrimal Dilator

Blunt polished tip
 Round knurled handle
 Overall length 100 mm
 Titanium
 9-050T size 1 (19 mm)
 9-051T size 2 (23 mm)
 9-052T size 3 (32 mm)



Castroviejo Double Ended Lacrimal Dilator

Polished tip
 Round knurled handle
 Overall length 100 mm
 Titanium
 9-060T size 1 & 2



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

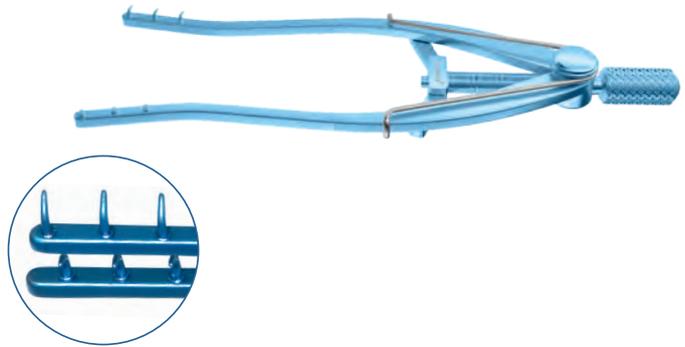
RETRACTORS

LACRIMAL SAC RETRACTORS

Stevenson Lacrimal Sac Retractor

Curved 2 mm × 3 mm teeth
Blades separated 25 mm
Screw opening
Overall length 83 mm

10-013



Knapp Lacrimal Sac Retractor

Blunt 4 mm × 8 mm four prong tip
Round serrated handle
Overall length 140 mm

10-014



LID & ORBITAL RETRACTORS

Desmarres Lid Retractor

Round serrated handle
Overall length 130 mm

10-020 - size 0 - 11 mm

10-021 - size 1 - 13 mm (shown)

10-022 - size 2 - 15 mm

10-023 - size 3 - 17 mm



Orbital Globe Retractor-Elevator

Double ended 10 mm wide and 14 mm wide ends
Thin ribbon retractor with a gentle "S" curve
Overall length 180 mm
Titanium

10-034T



IRIS (PUPIL) DILATORS

Iris Retractor

Reusable
1 pack of 6 pcs – 6 retractors in PTFE container

10-5127



**MOST
POPULAR**

Iris Retractor

Disposable

10-5016-1 1 pack of 4 pcs
10-5016-5 5 packs of 4 pcs
10-5067-1 1 pack of 5 pcs
10-5067-6 6 packs of 5 pcs



**MOST
POPULAR**

Beehler Pupil Dilator

17 Gauge
Curved shaft
Four prongs
Overall length 130 mm
Titanium

10-083



Beehler Pupil Dilator With Plunger

17 Gauge
Curved shaft
Four prongs
Overall length 130 mm
Titanium

10-091



SCISSORS

CORNEAL SCISSORS

Castroviejo Corneal Scissors

Curved
11 mm blades
Blunt tips
Overall length 100 mm
Stainless Steel

11-010S Left (shown)
11-0101S Right

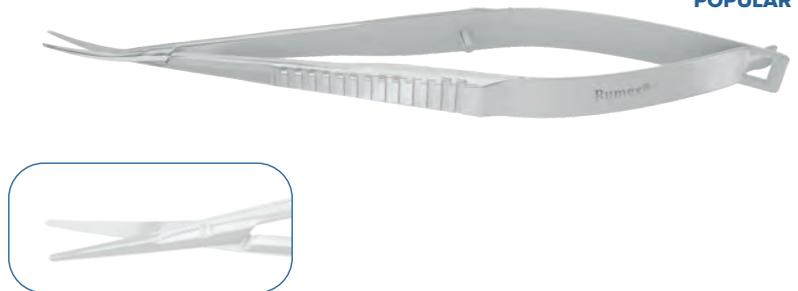


**MOST
POPULAR**

Castroviejo Universal Corneal Scissors

Blunt tips
Overall length 102/106 mm
Stainless Steel

11-011S 7,50 mm blades
11-012S 11 mm blades (shown)



Osher Universal Corneal Scissors

Gently curved
Provide a precise 6.50 mm beveled
incision opening with a single snip
21 mm blades
Blunt tips
Overall length 120 mm
Stainless Steel

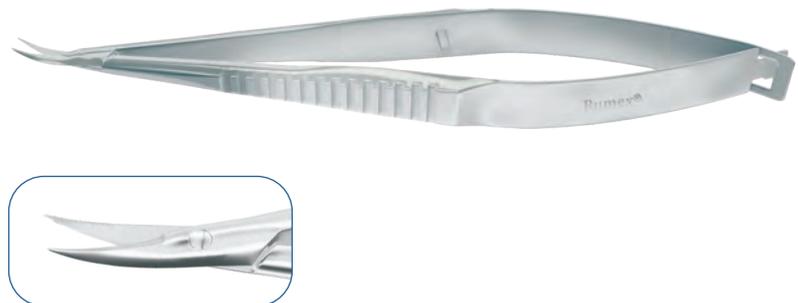
11-013S



Castroviejo Universal Corneal Scissors

Curved
16 mm blades
Blunt tips
Overall length 110 mm
Stainless Steel

11-015S



Katzin Corneal Transplant Scissors

Strongly curved
Medium blades
Blunt tips
Overall length 100 mm
Stainless Steel

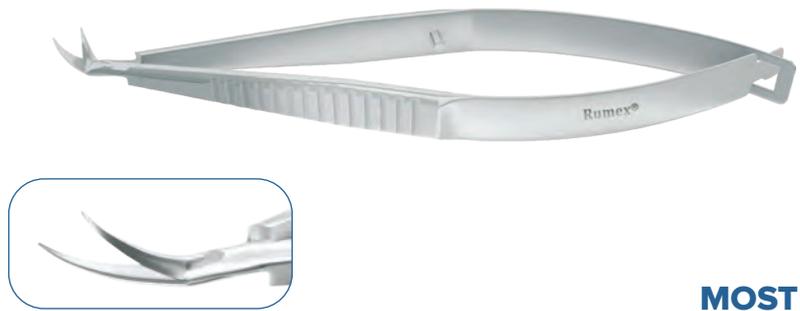
11-020S Left (shown)
11-0201S Right



**Castroviejo
Corneal Section Scissors**

Lower blade 0.50 mm longer than upper blade
14 mm blades
Overall length 106 mm
Stainless Steel

11-024S Right (shown)
11-0241S Left



**MOST
POPULAR**

**Corneal
Universal Scissors**

Round handle
Blunt tips
Overall length 110 mm
Stainless Steel

11-034S 7.50 mm blades
11-035S 11 mm blades (shown)



**DLEK
Corneal Transplant Scissors**

Long blades
For the removal of the posterior cornea
Overall length 102/110 mm
Stainless Steel

11-036S Medium curve
11-0361S Strong curve



11-036S

11-0361S

**DALK
Corneal Transplant Scissors**

Blades with blunt legde (Descemet's membrane protection)
Used to perform the superficial keratectasia (removal of superficial layers of corneal stroma)
Used to remove the 4 parts of separated stromal layers after the «Big Bubble» procedure
Stainless Steel
Overall length 102/110 mm

11-038S Right (shown)
11-0381S Left



Holland Spatulated DALK Scissors

Vannas-style scissors with straight "micro blades" for facilitate the dissection of stromal tissue.
Rounded and blunt tips
Horizontally-oriented, spatulated tip for keeps the scissors in the proper plane
Delicate, shortened, outer blade
For RHD/LHD

11-134 Right
11-135 Left



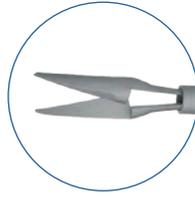
Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

IRIS SCISSORS

Zaldivar Iridectomy Scissors

Straight shaft
Compatible with Squeeze Handle (12-003T)

11-03721* 23 Ga



McPherson-Vannas Iris Scissors

Straight
8 mm blades
Sharp pointed tips
Round handle
Overall length 85 mm
Stainless Steel

11-062S



Iris Scissors

Pointed tips 28 mm
Ring handle
Overall length 125 mm
Stainless Steel

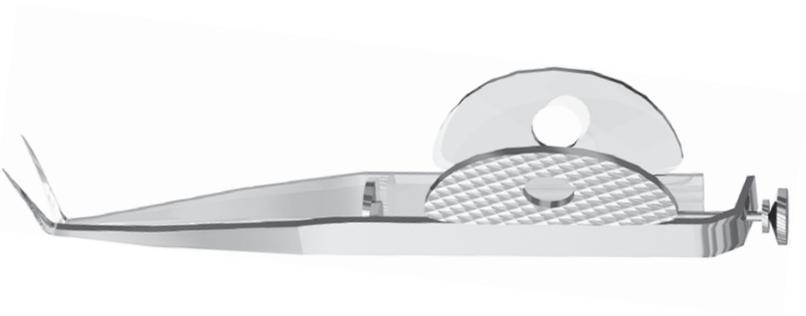
11-080S Straight (shown)
11-081S Curved



Barraquer Iris Scissors

8 mm blades
Blunt tips
Squeeze action handle
Overall length 54 mm
Stainless Steel

11-1223



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Handles are sold separately.

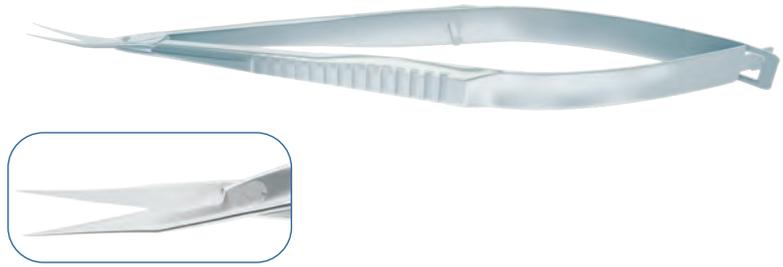
STITCH SCISSORS

**MOST
POPULAR**

Westcott Stitch Scissors

Gently curved
16 mm blades
Sharp pointed tips
Overall length 120 mm
Stainless Steel

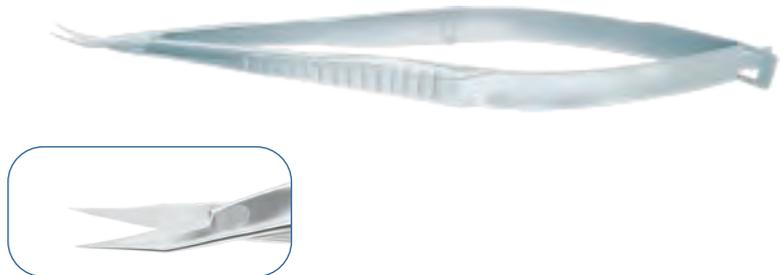
11-044S Standard jaws (shown)
11-125S Westcott type slim jaws



Westcott Stitch Scissors

Gently curved
13 mm blades
Sharp pointed tips
Overall length 115 mm
Stainless Steel

11-046S Flat Handle (shown)
11-047S Round Handle



STRABISMUS SCISSORS

Knapp Strabismus Scissors

Ring handle
Overall length 125 mm
Stainless Steel

11-100S Straight (shown)
11-101S Curved



TENOTOMY SCISSORS

Westcott Tenotomy Scissors

Curved
13 mm blades
Blunt tips
Overall length 115 mm
Stainless Steel

11-040S

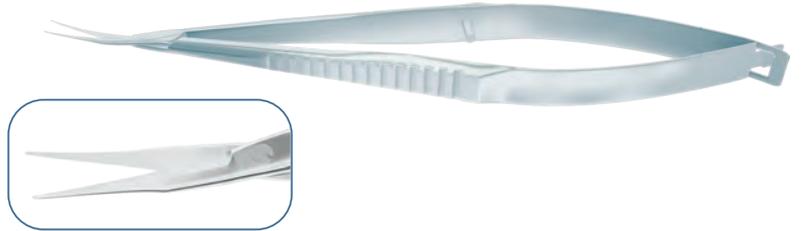


**MOST
POPULAR**

Westcott Tenotomy Scissors

Curved
16 mm blades
Blunt tips
Overall length 120 mm
Stainless Steel

11-042S



**MOST
POPULAR**

Westcott Tenotomy Scissors

Right
Curved
19 mm blades
Blunt tips
Overall length 116 mm
Stainless Steel

11-048S

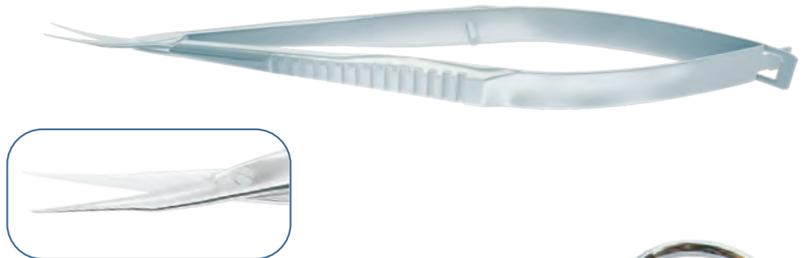


**MOST
POPULAR**

Shepard-Westcott Tenotomy Scissors

Right
Curved
21 mm blades
Blunt tips
Upper blade serrated («supercut»)
Overall length 115 mm
Stainless Steel

11-0481S



Stevens Tenotomy scissors

Overall length 115 mm
Stainless Steel

11-130S straight, sharp tips
11-131S curved, sharp tips
11-132S curved, blunt tips
11-133S straight, blunt tips (shown)

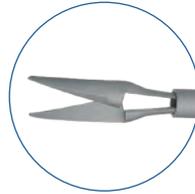


CAPSULOTOMY SCISSORS

Side Port Capsulotomy Scissors

Curved shaft
With fixation wheel
Compatible with Squeeze Handle 12-003T

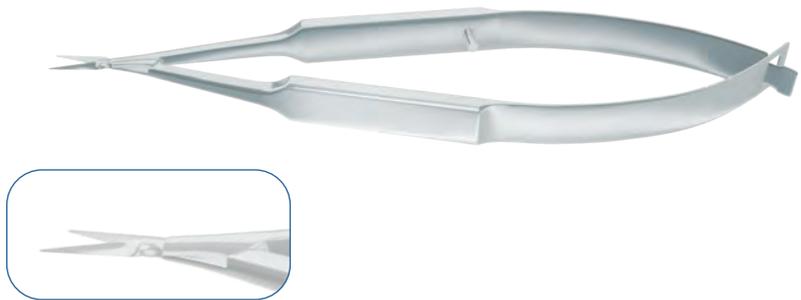
11-03741* Left (shown) 20 Ga
11-03751* Right 20 Ga



Clayman-Vannas Swan Neck Capsulotomy Scissors

Straight
5 mm blades
13 mm from pivot to tip
Sharp pointed tips
Smooth handle
Overall length 82 mm
Stainless Steel

11-0501S

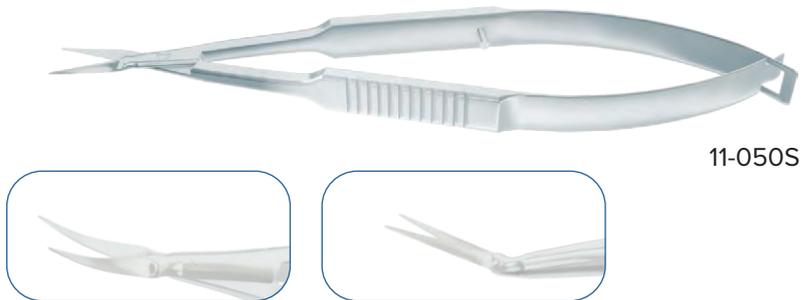


**MOST
POPULAR**

Vannas Capsulotomy Scissors

6 mm blades
13 mm from pivot to tip
Sharp pointed tips
Overall length 84/84/80 mm

11-050S straight
11-052S curved
11-054S angled



11-050S



11-052S



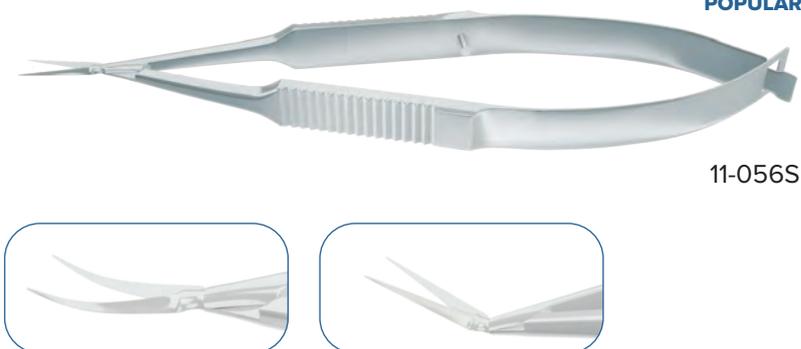
11-054S

**MOST
POPULAR**

Gills-Vannas Capsulotomy Scissors

10 mm blades
7 mm from pivot to tip
Sharp pointed tips
Overall length 88/88/84 mm
Stainless Steel

11-056S straight
11-058S curved
11-0581S angled



11-056S



11-058S



11-0581S

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*Handles are sold separately.

ENUCLEATION SCISSORS

Enucleation Scissors

Curved
Blunt tips
Ring handle
Overall length 110/148 mm
Stainless Steel

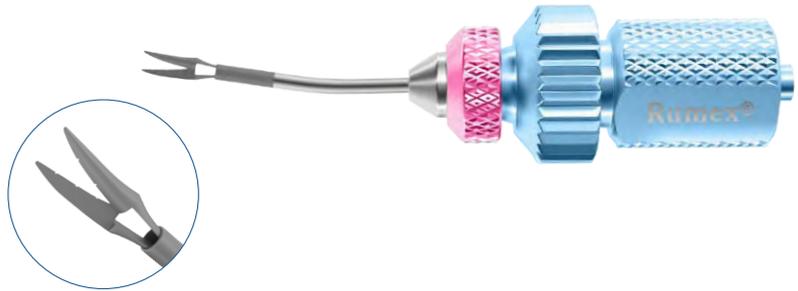
11-090S medium size,
33 mm blades (shown)
11-091S large size, 48 mm blades



IOL CUTTERS/SCISSORS

Micro Foldable Lens Cutter

Straight scissors
Blades with notches, 19 Ga
4-2173



Osher IOL Scissors

To cut Silicone or Acrylic IOL
6 mm Long Blades
Stainless Steel

4-2175S



SPATULAS

IRIS / NUCLEUS SPATULAS

Straight Spatula

Overall length 122 mm

- 13-010 0.25 mm width, 10 mm length
- 13-011 0.40 mm width, 14 mm length
- 13-014 1.00 mm width, 13 mm length



Curved Spatula

Overall length 122 mm

- 13-020 0.25 mm width, 12 mm length



**MOST
POPULAR**

Double Spatula

Overall length 122 mm

- 13-031 0.5 & 1.0 mm width, 12 mm length
- 13-032 0.3 & 0.5 mm width, 12 mm length



CYCLODIALYSIS SPATULAS

Castroviejo

Double Ended Cyclodialysis Spatula

Overall length 136 mm

- 13-050 0.5 mm width, 10 & 15 mm length



Castroviejo

Cyclodialysis Spatula

Overall length 124 mm

- 13-051 1,00 mm width, 10 mm length
- 13-052 0,75 mm width, 10 mm length



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FEMTOSECOND CATARACT SPATULAS

NEW

Donnenfeld Femto Spatula

Special flattened design of the tip helps to open femtosecond created cataract insicions.

20-2041



Spatula for Femtosecond Laser Procedure

This delicate instrument is used for opening cataract incision created by femtosecond laser system
Specially designed for Alcon LenSx® Laser
Also compatible with incisions made by VICTUS™ Femtosecond Laser Platform (Bausch & Lomb)
1.40 mm length flat tip
Overall Length 120 mm

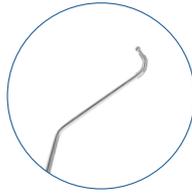
20-204



Uy Laser Lens Fragmentation Combo Manipulator

Double ended instrument for femtosecond cataract procedure combining a chopper and a spatulated tip for nuclear, epinuclear and cortical fragments manipulating.

13-181



CORNEAL SPATULAS

Paton Doble Ended Spatula and Spoon

Spatula for manipulations with the cornea (LASIK/PRK/Corneal Transplantation)

13-110



DSEK, DSAEK, DMEK SPATULAS

Corneal Dissector

Straight
 For intrastromal dissection
 60 degree angled shaft
 12 mm from tip to angle
 Overall length 125 mm
 13-137



Corneal Dissector

Curved (curvature radius 22mm)
 For intrastromal dissection
 45 degree angled shaft
 12 mm from tip to angle
 Overall length 127 mm
 13-138



Irrigating Endothelial Stripper

For Descemet's stripping
 Overall length 104 mm
 13-139/I



Spatula-Guide

For Corneal Endothelium Implantation
 Overall length 122 mm
 Titanium
 13-150T



DSEK, DSAEK, DMEK SPATULAS**Cindy****Sweeper DSEK Spatula**

Angled shaft
 12 mm from tip to angle
 0.70 mm diameter
 Overall Length 114 mm
 Stainless steel

13-151S

**Carlson****DSEK Smoother**

Angled/vaulted shaft
 7.50 mm from tip to angle
 2.50 mm blunt ball
 Overall length 115 mm
 Stainless steel

13-152S

**Terry****DSEK Scraper**

Angled shaft
 11 mm from tip to angle
 Hole-shaped scraper facing upward
 Overall length 114 mm
 Stainless steel

13-153S

**Melles Style 1****DSAEK PLK Scraper**

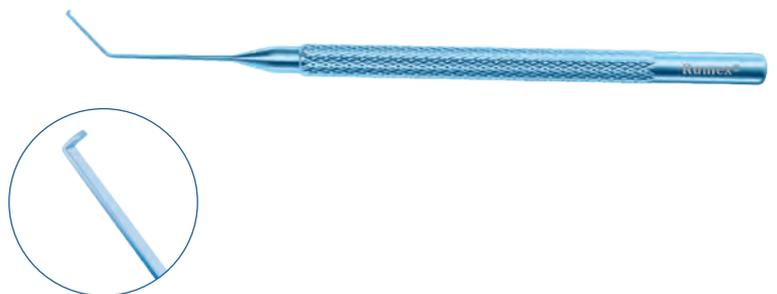
45 degree angled shaft
 11 mm from tip to angle
 45 degree angled tip
 Overall length 125 mm
 Titanium

13-154T

**Melles Style 2****DSAEK PLK Scraper**

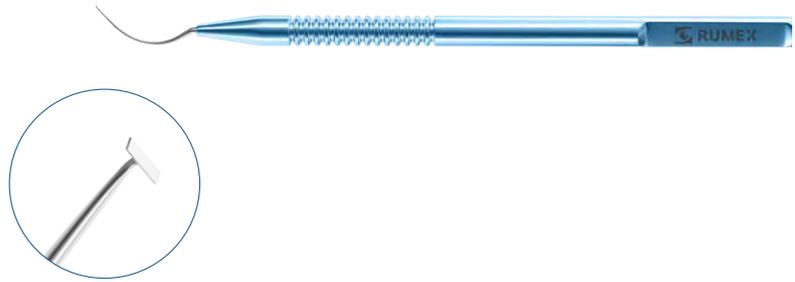
45 degree angled shaft
 11 mm from tip to angle
 90 degree angled tip
 Overall length 125 mm
 Titanium

13-155T



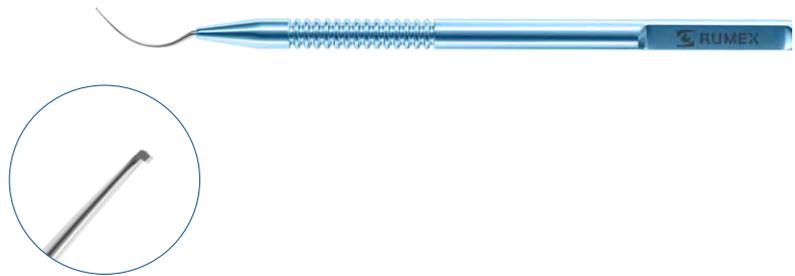
Descemet's scraper

4 5/8, curved shaft
 14 mm from bend to tip
 "T" shape 1.50 mm wide x 0.60 mm high tip
 Round handle, titanium
 13-1491



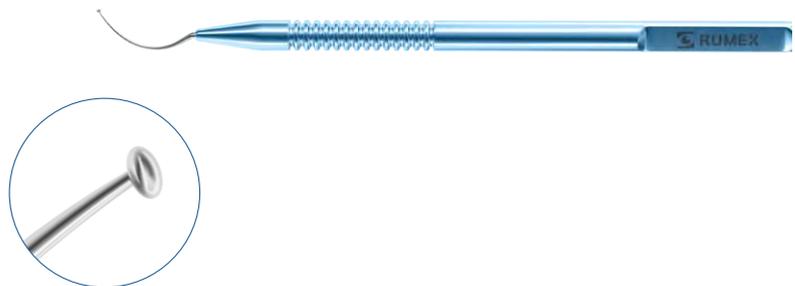
John

Dexatome DMEK/DSAEK Spatula
 Spatula for removal of the Descemet's membrane as a single disc
 Strongly Vaulted Shaft
 Round Handle
 Overall Length 114 mm
 13-182



Jonh

DSAEK Stromal Scrubber
 Strongly Vaulted Shaft
 Round Handle
 Overall Length 114 mm
 13-183



Jonh

DSAEK Glider
 For diminish and eliminate donor disk wrinkles at the donor host interface.
 13-184



Tan

Marginal DMEK Dissector
 Double tipped end is designed for cutting the peripheral ends of donor Descemet's membrane without risk of radial tears occurrence.
 Curved single tipped end is used for convenient separation of the DM from the stroma.
 13-185



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

DLEK SPATULAS

Manipulator for DLEK procedure

Designed to tuck the edges of the donor lamella

0.15 mm diameter tip

Blunt Tip

Overall Length 120 mm

13-160



DALK SPATULAS

Trisector for DALK Procedure

Flat 1.40×0.70 mm tip

Facilitates separation the rest of stromal attachments from the Descemet's membrane at the periphery

Blunt bottom surface is safe for Descemet's membrane

The anterior surface has an edge that facilitates the enlarging of stromal opening with a blade.

Overall length 124 mm

13-170



Spatula for DALK Procedure

Flat 1×9 mm tip

The center groove can be used as a guide for the blade facilitating the enlarging of stromal opening

Blunt bottom surface is safe for Descemet's membrane

Overall length 122 mm

13-171



Dissector for DALK Procedure

12 mm length blunt beveled tip

For creating a track in deep stroma for the further cannula inserting

Obtains delicate preparation for "Big Bubble" procedure

Overall length 122 mm

13-172



FOREIGN BODY SPUD

Davis
Foreign Body Spud
Overall length 130 mm
16-153



PRK / LASIK SPATULAS

Hockey Knife
for epithelium removal
To remove epithelium for PRK
procedure and during LASIK
retreatment
Overall length 130 mm
20-001



Lindstrom
LASIK / PRK Spatula And Epithelium
Removal Board
Semi-sharp end of the instrument
designed to remove epithelium
Fine spatula on the other end is used
for flap manipulation during LASIK
surgery
Overall length 145 mm
20-002



LASIK
Spatula And Flap Retreatment Instrument
Double ended
Overall length 145 mm
20-013



LASEK SPATULAS

LASEK Detaching Spatula

Can be used to detach edge of the epithelium flap
Overall length 130 mm

20-130



LASEK Epithelial Micro Hoe

Can be used to detach and lift edge of the epithelium flap
Overall length 130 mm

20-131



LASEK Knife

The sharp anterior part of the knife is used to detach epithelium from the incision
The blunt part of the knife is for repositioning of the epithelium after the ablation
Overall length 128 mm

20-0011

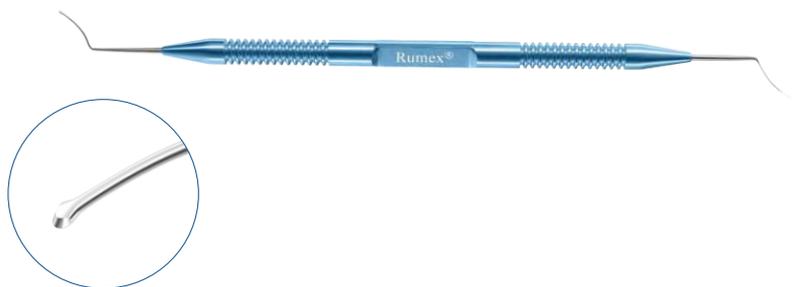


SMILE SPATULAS

SMILE Spatula ReLEx Smile double lenticule spatula

Blunt spoon and flat spatula

20-207



SMILE Spatula ReLEx Smile double lenticule spatula

Blunt spoon and shortened atraumatic flat spatula

20-2071



FEMTOLASIK SPATULAS

FemtoLASIK Flap Spatula, Double Ended

Double ended instrument with a delicate pick and a curved spatula to open and manipulate the flap
Overall length 128 mm

20-201



FemtoLASIK Flap Spatula

Delicate spatula with a jag on the tip to detach the flap edge and to open the flap
Overall length 121 mm

20-202



Zaldivar FemtoLASIK Spatula

Extra delicate spatula with bullet shaped tip to open and manipulate the flap
Overall length 123 mm

20-203



ICL™ SPATULAS

Pallikaris ICL™ Manipulator

Designed to place the lens corners under the iris
Sandblasted tip
Overall length 120 mm

13-141

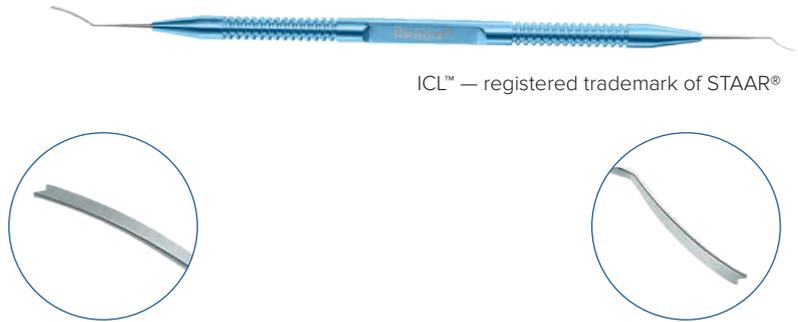


ICL™ — registered trademark of STAAR®

Zaldivar ICL™ Manipulator

Double ended instrument with slight forked tips to place the lens corners under the iris
Overall length 130 mm

13-142



ICL™ — registered trademark of STAAR®

ICSR SPATULAS

Elevator for ICSR Implantation

To create a small pocket in intended direction of the tunnel with a mild rotatory movement
Straight shaft
Tip dimensions: 0.10 mm height, 0.20 mm width, 0.70 mm length
Overall length 123 mm

10-035



Suarez Spreader

To enlarge the small corneal pockets in both directions in a proper depth
Straight shaft
Tip dimensions: 0.10 mm height, 0.60 mm width, 1.25 mm length
Overall length 122 mm

13-146



Bicalto Guide

To lift the cornea for inserting the Tunnel Maker beneath the guide
Blunt tip
Tip dimensions: 0.30 mm height, 0.10 mm width, 5 mm length
Overall length 121 mm

13-147



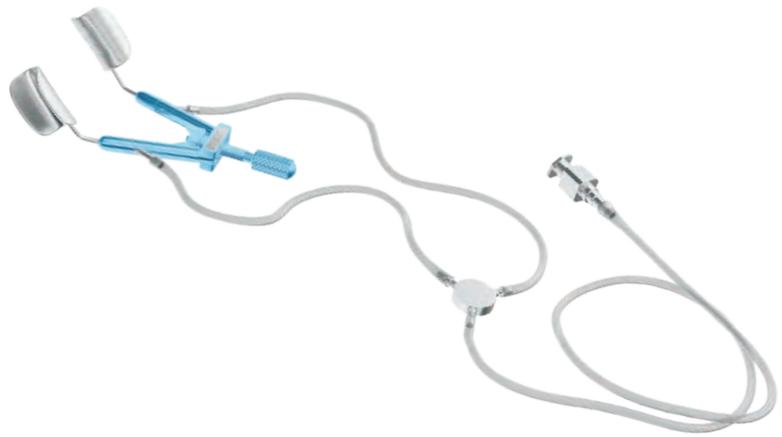
SPECULUMS

SPECULUMS WITH ASPIRATION

Ports on each blade allow continuous aspiration providing better vision during the operation

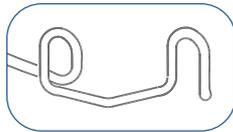
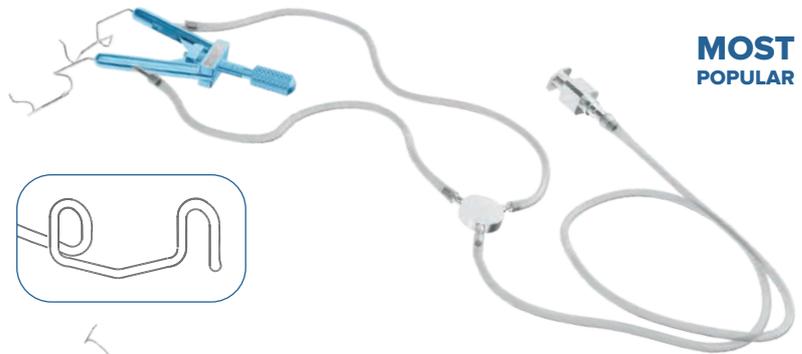
Kershner

Reversible
Can be used for both nasal & temporal approach.
Solid blades
14-060A adult



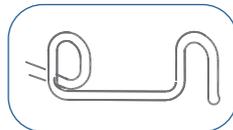
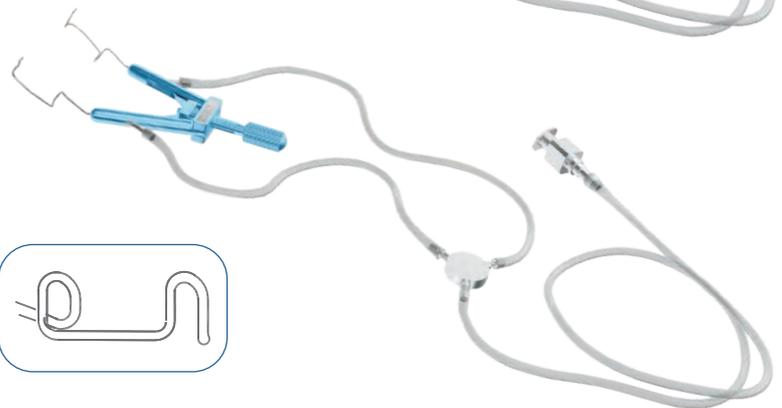
Lieberman Style

Temporal
«V» style open blades
14-080 A adult
14-082 A child



Lieberman Style

Nasal
Kratz style open blades
14-081KA adult



Lieberman Style for LASIK

Rounded open blades
14-080LA temporal
14-081LA nasal



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

CASTROVIEJO / KERSHNER SPECULUMS

Castroviejo

15 mm fenestrated blades
Blades spread 30 mm
Flat branches
Titanium
Overall length 80 mm
14-061T adult



REVERSIBLE SPECULUMS KERSHNER STYLE

Can be used for both nasal and temporal approach

Kershner

Fenestrated blades
Flat branches
Titanium
Overall length 70 mm
14-062T adult



Kershner

Solid blades
Round branches
Titanium
Overall length 70 mm
14-060T adult



Kershner

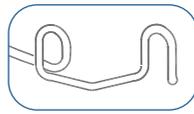
Solid blades
Flat branches
Titanium
Overall length 70 mm
14-0601T adult



TEMPORAL SPECULUMS LIEBERMAN STYLE

Lieberman Style

Temporal
 «V» style open blades
 Round branches
 Titanium
 Overall length 71 mm
 14-040T adult
 14-042T child



**MOST
POPULAR**

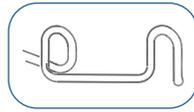
Lieberman Style

Temporal
 «V» style open blades
 Flat branches
 Titanium
 Overall length 76 mm
 14-0401T adult



Lieberman Style

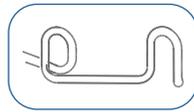
Temporal
 Kratz style open blades
 Round branches
 Titanium
 Overall length 71 mm
 14-040TK adult



**MOST
POPULAR**

Lieberman Style

Temporal
 Kratz style open blades
 Flat branches
 Titanium
 Overall length 76 mm
 14-0401TK adult



Lieberman Style for LASIK

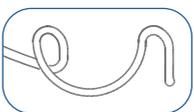
Temporal
 Rounded open blades
 Round branches
 Titanium
 Overall length 71 mm
 14-040TL adult



Specially designed to accommodate microkeratome suction ring

Lieberman Style for LASIK

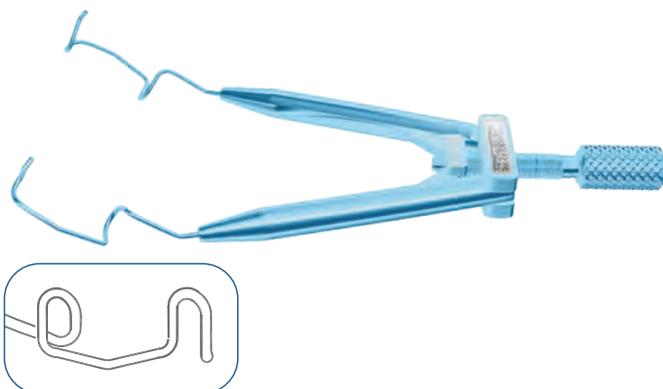
Temporal
 Rounded open blades
 Flat branches
 Titanium
 Overall length 76 mm
 14-0401TL adult



NASAL SPECULUMS LIEBERMAN STYLE

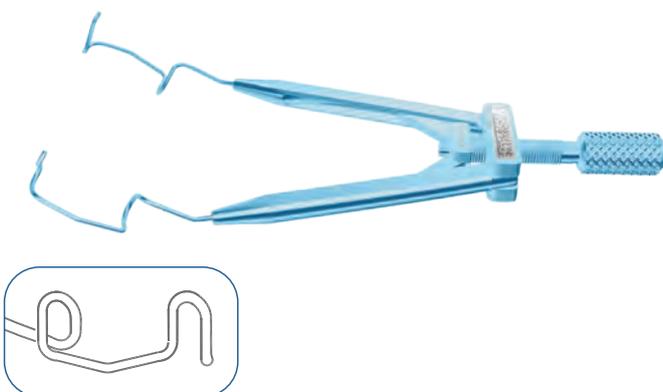
Lieberman Style

Nasal
 «V» style open blades
 Round branches
 Titanium
 Overall length 76 mm
 14-041T adult
 14-043T child



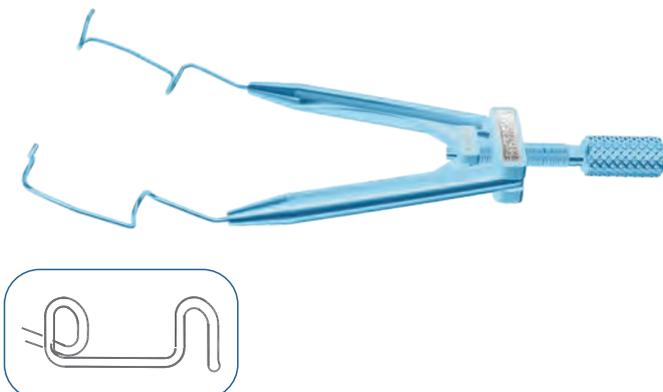
Lieberman Style

Nasal
 «V» style open blades
 Flat branches
 Titanium
 Overall length 76 mm
 14-0411T adult
 14-0431T child



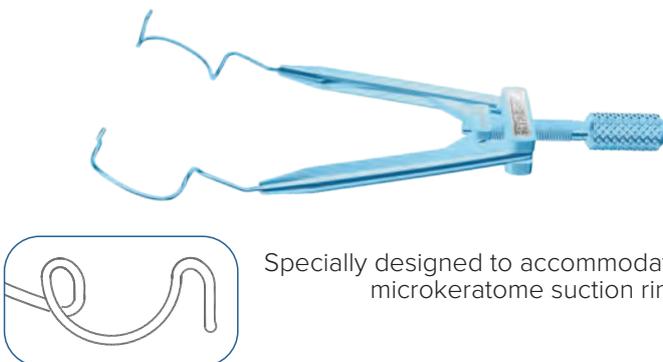
Lieberman Style

Nasal
 Kratz style open blades
 Round branches
 Titanium
 Overall length 76 mm
 14-041TK adult



Lieberman Style for LASIK

Nasal
 Rounded open blades
 Flat branches
 Titanium
 Overall length 70 mm
 14-0411TL adult



Specially designed to accommodate microkeratome suction ring

SOLID BLADES / WIRE SPECULUMS

Sauer

Solid blades
Blade spread 20 mm
Overall length 35 mm

- 14-030 child (8 mm blades)
- 14-031 newborn (5 mm blades)
- 14-032 premature (4 mm blades)



WIRE SPECULUMS



**MOST
POPULAR**

Barraquer

Closed wire rounded blades
Stainless steel

- 14-022S adult (14 mm blades)
- 14-023S child (11 mm blades)
- 14-024S infant (10 mm blades)
- 14-0244S newborn (5 mm blades)

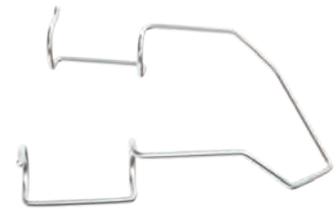


**MOST
POPULAR**

Barraquer

Solid blades
Stainless steel

- 14-0221S adult (14 mm blades)
- 14-0231 child (11 mm blades)
- 14-0241S newborn (5 mm blades)
- 14-0222S premature (4 mm blades)



Barraquer

Open blades
Stainless steel
Overall length 45 mm

- 14-025S adult
- 14-026S child



**MOST
POPULAR**

Barraquer

Angled for temporal approach
Closed wire blades
Stainless steel
Overall length 40 mm

- 14-028S adult
- 14-0281S child



Barraquer

Angled for temporal approach
Open rounded blades
Stainless steel
Overall length 40 mm

- 14-0282S adult
- 14-0283 child



Barraquer

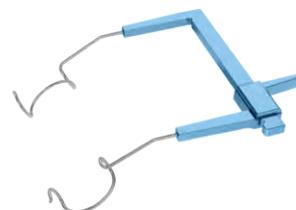
Angled for temporal approach
Open blades
Stainless steel
Overall length 45 mm

- 14-0286S adult
- 14-0287S child

Slade-Murdoch Speculum Adjustable Wire Speculum

Parallel retraction design, open blades 14 mm
Quick installation and removal thanks to self-locking mechanism

14-052T



NEW

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

REUSABLE CANNULAS

IRRIGATING CANNULAS

Irrigating Cannula

Straight Blunt Tip, Polished
For atraumatic brushing of retina

15-049-20	20 Ga × 25 mm
15-049-23	23 Ga × 25 mm
15-049-25	25 Ga × 25 mm
15-049-30	30 Ga × 25 mm



ANTERIOR CHAMBER CANNULAS

Rycroft

Anterior Chamber Cannula

4 mm bend length
Angled 45°

15-051-23	23 Ga × 22 mm
15-051-25	25 Ga × 22 mm
15-051-27	27 Ga × 22 mm
15-051-30	30 Ga × 22 mm

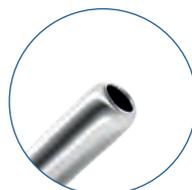


Rycroft

Anterior Chamber Cannula

6 mm bend length
Angled 45°

15-052-23	23 Ga × 22 mm
15-052-27	27 Ga × 22 mm



Rycroft

Anterior Chamber Cannula

8 mm bend length
Angled 45°

15-053-23	23 Ga × 22 mm
15-053-27	27 Ga × 22 mm



Bishop Harmon

Anterior Chamber Cannula

8 mm from end
Angled 40°
Spatulated

15-055-19	19 Ga × 25 mm
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Bracken

Anterior Chamber Cannula

Curved 90°
Flattened bevel tip

15-057	19 Ga × 23 mm
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Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

McIntyre
Anterior Chamber Maintainer

Angled
Smooth blunt tip
Front opening

- 15-061-26 26 Ga
- 15-061-27 27 Ga
- 15-061-30 30 Ga



Knolle
Anterior Chamber Cannula

2 mm angled tip

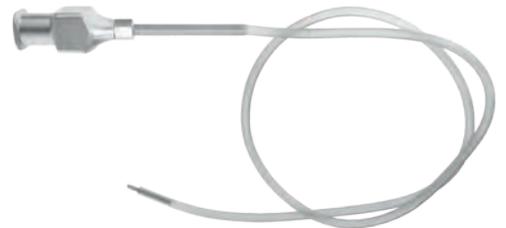
- 15-063-23 23 Ga × 19 mm
- 15-063-30 30 Ga × 19 mm



Lewicky
Anterior Chamber Maintainer

Silicone tubing attached
Unique annular rings for self retaining

- 15-065 20 Ga × 3.50 mm



Girard
Anterior Chamber Maintainer

With Atkinson point,
20 cm silicone tubing

- 15-067 23 Ga × 5 mm



Jaymce
Anterior Chamber maintainer

Bulbus Tip allows easy insertion
and minimum tissue disturbance

- 15-1067 20 Ga × 4 mm from tip



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

CANNULAS FOR ANESTHESIA

Atkinson

Retrobulbar Needle

15-001-23 23 Ga × 38 mm

15-001-27 27 Ga × 38 mm



Sub-Tenon's

Anesthesia Cannula (Para)

Curved

Flattened Tip

0.30 mm sideports

15-009 19 Ga × 25 mm



Sub-Tenon's

Anesthesia Cannula

Curved, 3 ports

15-011C-19 19 Ga × 25 mm



Sub-Tenon's

Anesthesia Cannula

Curved

Flattened Tip

Front Opening

15-013-19 19 Ga × 25 mm



Kelman

Sharp Irrigating Cystotome

Curved sharp cutting edge

15-025 25 Ga × 32 mm



LENS REMOVAL / NUCLEUS REMOVAL CANNULAS

Knolle-Pearse Irrigating Vectis

3 irrigating ports at 12, 10 and 2 O'clock
Loop 5 mm wide, 9 mm long

15-183 23 Ga



Sheets Irrigating Vectis

3 irrigating ports
Serrations on top
Loop 6.50 mm wide × 19 mm long

15-203 21 Ga × 38 mm



CAPSULE POLISHERS

Jensen Capsule Polisher

Gently Curved, Olive tip
All around sand blasted

15-159-25 25 Ga × 28 mm
15-159-27 27 Ga × 28 mm



Kratz Capsule Polisher

0.30 mm top port
Angled, blasted 3 mm from end

15-169-21 21 Ga × 22 mm
15-169-23 23 Ga × 22 mm



Microincisional Capsule Polisher Cannula

Disc-shaped Tip
Curved tube for better visualization
Tungsten carbide coated tip for delicate
and efficient capsule polishing
Specially designed for scrubbing all parts
of the capsular bag
Obtains performing a procedure
through a sub – 2 mm incision

15-170 23 Ga × 25 mm



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

HYDRODISSECTION / HYDRODELINEATION CANNULAS

Rainin

Nucleus Hydrodissector

Spatulated on horizontal plane
Angled 45°, bend 7 mm

15-069-30 30 Ga × 22 mm

15-070 27 Ga × 22 mm



McIntyre

Nucleus Hydrodissector

Spatulated
Flattened on horizontal plane
Angled 45°, bend 11 mm

15-071-23 23 Ga × 22 mm

15-071-25 25 Ga × 22 mm

15-071-27 27 Ga × 22 mm

15-071-30 30 Ga × 22 mm



Pearce

J-Shaped Micro Hydrodissector

Hook 1.75 mm wide × 2.25 mm long.

15-073-23 23 Ga × 22 mm

15-073-25 25 Ga × 22 mm

15-073-30 30 Ga × 22 mm



Chang

Nucleus Hydrodissector

Angled 90°, flat tip with a beveled opening
Flat tip for easy insertion under the capsular rim, provide broad stream of fluid
Beveled tip used to rotate the nucleus to ensure that it is completely separated

15-0681 27 Ga × 16 mm



Feaster

Nucleus Hydrodiliner

Two irrigating ports for fluid distribution in both the planes
Closed wedge shaped tip allows easy penetration between nucleus & epinucleus

15-1073-25 25 Ga × 22 mm



CORTEX ASPIRATION CANNULAS

McIntyre-Binkhorst

Blunt tip, front opening

15-079R 26 Ga × 22 mm, Right

15-079L 26 Ga × 22 mm, Left



SMOOTH CLOSED TIP WITH TOP ASPIRATING PORT INTO CURVE

Simcoe

Cortex Extractor Cannula

15-091-13/23 23 Ga × 13 mm

15-091-21/21 21 Ga × 21 mm

15-091-21/23 23 Ga × 21 mm



Simcoe-Welsh

Cortex Extractor Cannula

Angled 10 mm from tip
0.30 mm aspirating port

15-093-21 21 Ga



IRRIGATING / ASPIRATING CANNULAS

Simcoe

I/A Cannula with Silicone Tubing

Regular

0.30 / 0.40 mm Port

15-129-0.3

23/23 Ga

15-129-0.4

23/22 Ga



Simcoe

I/A Cannula with Silicone Tubing

Reverse

Aspiration through hub 0.30 / 0.40 mm Port

Irrigation through tubing

15-133-0.3

23/23Ga

15-133-0.4

23/22Ga



“J” shape facilitates removal of cortex at 12 O’clock position

J Shaped

I/A Cannula with Silicone Tubing

Regular

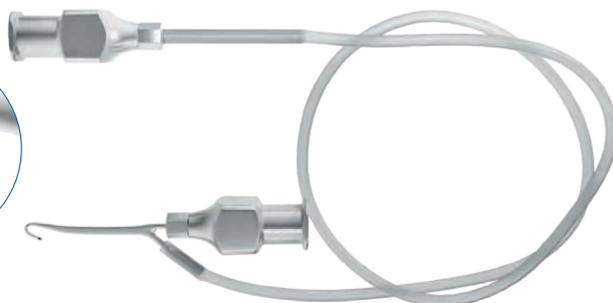
0.30 mm top port

15-1149L

23/23 Ga, Left (shown)

15-1149R

23/23 Ga, Right



J Shaped

I/A Cannula with Silicone Tubing

Reverse

0.30 mm top port

15-1150L

23/23 Ga, Left

15-1150R

23/23 Ga, Right



LACRIMAL CANNULAS

Reinforced Lacrimal Cannula

Malleable
20 Ga Shaft having reinforced 12 mm

- 15-027 23 Ga × 32 mm, Straight
15-029 23 Ga × 32 mm, Curved (shown)



Bailey Lacrimal Cannula

Exposed tip, straight
For Infants short 20 Ga straight shaft
having 7 mm

- 15-031 23 Ga × 15 mm



Shahinian Lacrimal Cannula

Smooth bullet shape end

- 15-032 25 Ga × 35 mm



Fasanella Lacrimal Cannula

Gently curved

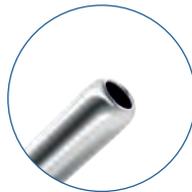
- 15-033 23 Ga × 42 mm



Anel Lacrimal Cannula

Curved, special long mount blunt tip

- 15-035-23C 23 Ga
15-035-25C 25 Ga



Anel Lacrimal Cannula

Straight, special long mount blunt tip

- 15-035-23S 23 Ga
15-035-25S 25 Ga



West Lacrimal Cannula

Gently curved,
0.3 mm bottom port, blunt tip

- 15-037 23 Ga × 30 mm



LASIK CANNULAS

Vidaurri

LASIK Double Cannula

8 irrigating ports
 Universal cannula simultaneously irrigates
 both sides of flap
 Washes at Stromal bed and enables
 flap positioning

15-371-25 25 Ga /16 Ga × 12 mm shaft



Banaji

LASIK Irrigation Cannula

4 Ports 0.25 mm on periphery
 Curved

15-373-25 25 Ga

15-373-27 27 Ga

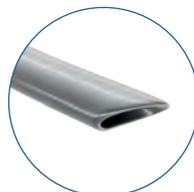


Slade

LASIK Cannula

Flattened spatulated tip, end opening

15-376 26 Ga



Buratto

LASIK Irrigation Cannula

45° angled triport

15-379-25 25 Ga



Gimbel

LASIK Fountain Cannula

Single port

15-378R 25 Ga × 25.4 mm, Right



DALK CANNULAS

Cannula for DALK procedure

Bottom port 0.2mm
Designed for air injection in order to achieve an ideal "Big Bubble"

15-450-27 27 Ga



GLAUCOMA CANNULAS

Viscocanalostomy Cannula

5 mm beveled tip, slightly angled Micro-Gauge cannula for viscoelastic injection during Glaucoma Surgery

15-1051-30 30 Ga



ACCESSORIES

Silicone Bulb With Adapter

15-301/303



Titanium Microsurgical Handle

Male-Male

15-307T



Titanium Microsurgical Handle

Male-Female

15-308T



MISCELLANEOUS

RUST RING REMOVAL

Alger Brush Rust Ring Remover

A complete set of a power handle and
1 tungsten burr
Battery operated
Overall length 105 mm

16-140 with 1.00 mm tungsten burr
16-141 with 0.50 mm tungsten burr



Tungsten Burrs Replacement Burrs for Alger Brush

Box of 5
Overall length 22 mm
Tungsten

16-142B 1.00 mm burrs
16-143B 0.50 mm burrs



PTERYGIUM INSTRUMENTS

Alger Brush Pterygium Instrument

A complete set of a power handle and
1 diamond dusted burr
For smoothing the surface of the cornea
after the surgical removal of the tissue
Battery operated power handle

16-051-2.5 with 2.50 mm round fine
diamond dusted burr
16-050-3.5 with 3.50 mm round medium
diamond dusted burr
16-050-5.0 with 5 mm disk shaped
diamond burr



Diamond Burr Replacement burrs with chucks for Alger Brush

Pterygium power handle
1 piece
Diamond Dusted

16-051-2.5B round 2.50 mm diameter
16-051-3.5B round 3.50 mm diameter
16-052-5.0B disk shaped 5.00 mm diameter



EYE CAUTERY

Electric Eye Cautery

Battery operated
 Disposable
 Sterile
 10 / Box

- 16-041 Fine tip
- 16-042 Elongated tip



FIXATION RINGS

Fine-Thornton Phaco Fixation Ring

3/4 open ring with swivel
 Overall length 90 mm
 Titanium

- 16-036T 13 mm diameter ring with teeth
- 16-0341T 14 mm diameter ring with teeth (shown)

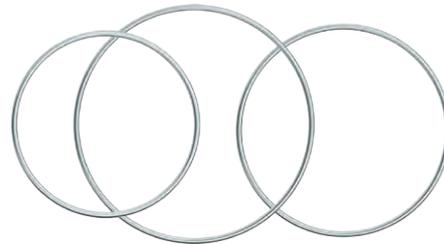


MOST POPULAR

FLIERINGA RINGS

Flieringa Rings

Sutured to the sclera to support the globe during difficult eye operations.
 Stainless Steel



- | | | |
|-------------------|-------------------|-------------------|
| 16-030-14 (14 mm) | 16-030-17 (17 mm) | 16-030-20 (20 mm) |
| 16-030-15 (15 mm) | 16-030-18 (18 mm) | 16-030-21 (21 mm) |
| 16-030-16 (16 mm) | 16-030-19 (19 mm) | 16-030-22 (22 mm) |

INJECTORS

Injector

For Capsular Ring With Irrigation
 Designed for one-hand implantation of the capsular tension rings with diameters of 10, 11 and 12 mm.
 Allows to implant the capsular tension ring clockwise and counter-clockwise.
 Back cover of the instrument can be easily opened to flush and clean the inner mechanism of the injector.
 Overall Length 162 mm



16-253

IOL Injector for cartridges

Plunger mechanism with reverse inner spring for easy and efficient one-handed technique implantation
 Specially designed handle enables firm grip and precise control
 With ring
 For A, B, C cartridges
 Can be supplied with 4-2141 IOL Loading Forceps



MOST POPULAR

- 16-2806 For A, B, C cartridges
- 16-2808 For D cartridge

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

INJECTORS

IOL Injector for D cartridge

Plunger mechanism with reverse inner spring for easy and efficient one-handed technique implantation

Specially designed handle enables firm grip and precise control

Without ring

For D cartridge

Can be supplied with 4-2141 IOL Loading Forceps

16-2807



LENS LOOPS

Wilder

Lens Loop

4 mm width

Overall length 134 mm

16-072



LID PLATES

Lid Plate

20 mm and 24 mm wide

Nonreflective surface

Overall length 110 mm

Stainless steel or titanium

16-50S (shown)

16-50T



PUNCH & RONGEUR

Belz

Lacrimal Sac Rongeur

Polished finish

Stainless steel

16-138



Kelly

Descemet's Membrane Punch

Creates precise 0.75 mm round hole without tissue tags

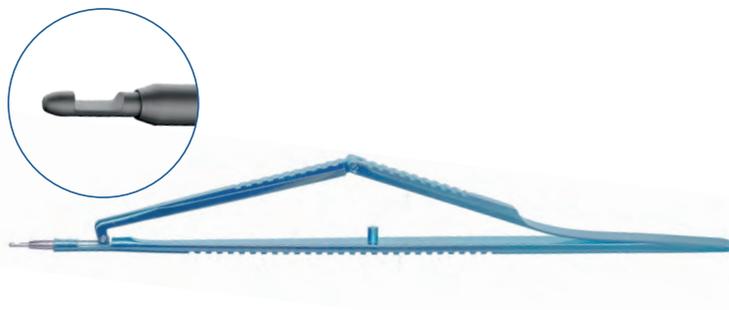
Stainless steel tip

Serrated squeeze action handle

Titanium handle

Overall length 131 mm

16-011



Kerrison

Rongeur

3 mm wide

9 mm opening

Polished finish

Stainless steel

16-136 size 0



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

Trabeculectomy Punch Micro Punch

0.60 mm diameter head
Bullet-shaped tip
0.30 mm × 0.60 mm deep bite
Compatible with Squeeze Handle 12-003T
Tip Only

16-0111*



Rumex Corneoscleral Punch

Set of stainless steel tips:
0.50 mm, 0.75 mm, 1.00 mm, 1.50 mm
Titanium handle
Overall length 110 mm

16-010



SCLERAL DEPRESSORS

Flynn Scleral Depressor

Loop style tip for depressing pediatric
sclera
Overall length 90 mm

16-115



Schocket Double Ended Scleral Depressor

With pocket clip
Overall length 130 mm

16-111 Titanium Handle / Stainless Steel tips
16-111S Stainless Steel



SPOONS & CURETTES

Bunge Evisceration Spoon

Round knurled handle
Overall length 130 mm

16-061 small size
16-062 large size



Meyerhoefer Chalazion Curette

16-063 size 0 (1.50 mm)
16-064 size 1 (1.75 mm)
16-065 size 2 (2.00 mm)
16-066 size 3 (2.50 mm)
16-067 size 4 (3.50 mm)



Wells Enucleation Spoon

Round knurled handle
Overall length 130 mm

16-060



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Handles are sold separately.

SURGICAL MALLETS & CHISELS

Surgical Chisel

3.00 mm

16-137



Surgical Mallet

Polished finish
Stainless steel

16-135



NASAL SPECULUMS

Nasal Speculum

Polished finish
Stainless steel

16-127 Adult Size



TRABECULOTOME

Harms

Trabeculotome

9 mm long pointed tips with 3 mm spread
Overall length 46 mm

16-012S left (shown)

16-013S right



TREPHINE

Corneal Trephine Blades

Polished finish
Stainless steel

16-0300 6.00 mm	16-0307 8.00 mm
16-0301 6.50 mm	16-0308 8.25 mm
16-0303 7.00 mm	16-0309 8.50 mm
16-0305 7.50 mm	16-0310 9.00 mm
16-0306 7.75 mm	16-0311 9.50 mm



TUNNEL MAKERS

Tunnel maker

Internal diameter 4.40 mm
External diameter 5.60 mm
Stainless Steel

16-173S Left

16-174S Right



STERILIZING TRAYS

PLASTIC TRAYS

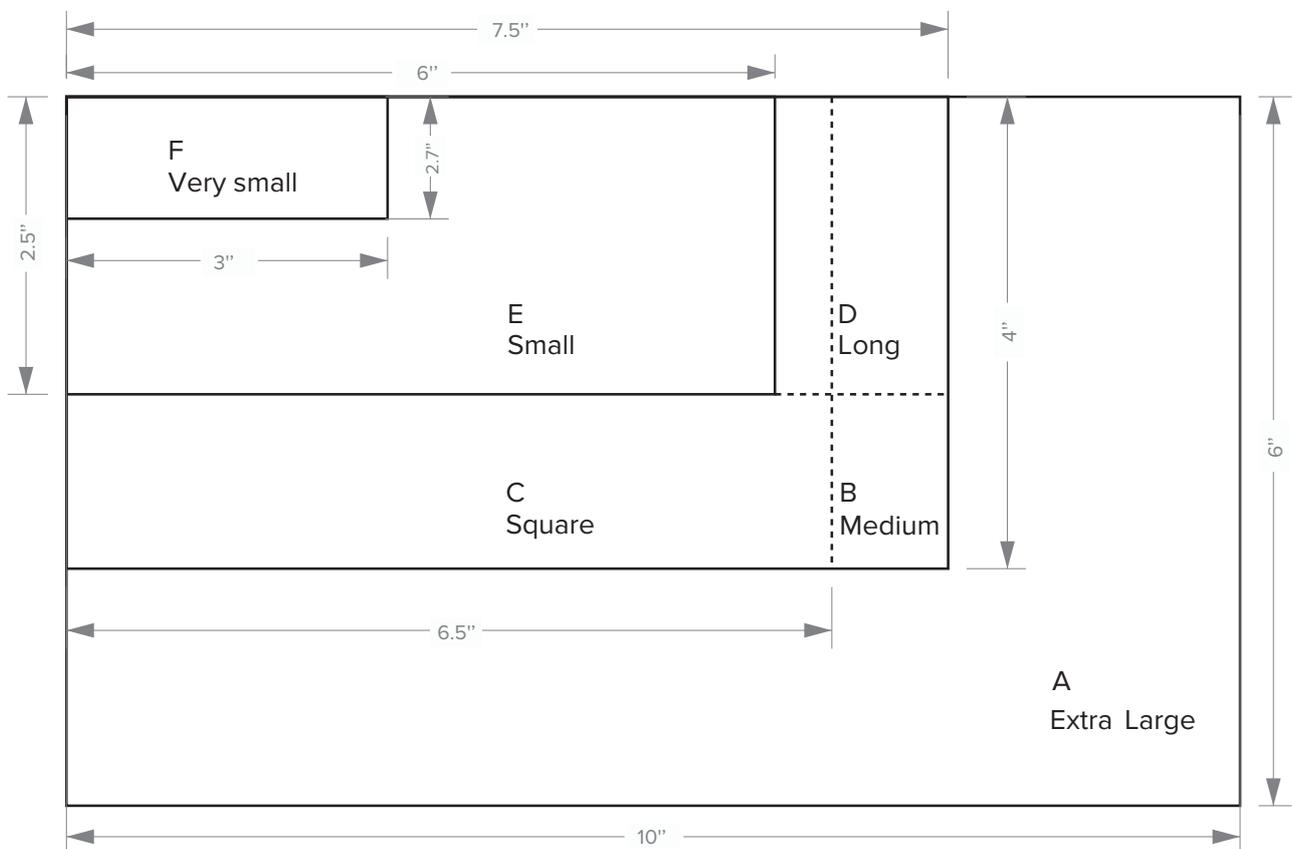
Made of plastic

Go with the silicone finger tip mat

18-301-1, 18-303-1, 18-305-1 go with special silicone plug-in inserts

Size Chart

Reference	Description	Dimensions (LxWxH)		Size	Size
		mm	inches		
18-300	with 1 special silicone plug-in insert	190×101×38	7.5×4×1.5'	B	-medium
18-301	with silicone finger tip mat	152×63.5×19	6×2.5×0.75'	E	-small
18-301-1	with 2 special silicone plug-in inserts	152×63.5×19	6×2.5×0.75'	E	-small
18-302	with silicone finger tip mat	165×101×19	6.5×4×0.75'	C	-square
18-303	with silicone finger tip mat	190×101×19	7.5×4×0.75'	B	-medium
18-303-1	with 4 special silicone plug-in inserts	190×101×19	7.5×4×0.75'	B	-medium
18-304	with silicone finger tip mat	254×152×19	10×6×0.75'	A	-extralarge
18-305	with silicone finger tip mat two levels base and insert tray	254×152.4×38	10×6×1.5'	A	-extralarge
18-305-1	with 3 special silicone plug-in inserts	254×152.4 x 38	10×6×1.5'	A	-extralarge
18-307	for vitreoretinal/ microincision tips	68.6×25.4 x 38	3×1.5×1'	F	-very small
18-308	with mat	190.5×63.5 x 19	7.5×2.5×0.75'	D	-long



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

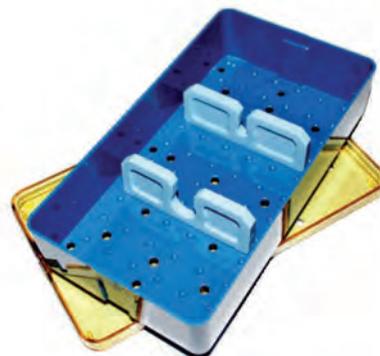
PLASTIC TRAYS

Tray

with 1 special silicone plug-in insert

190×101×38 mm
7.50×4.00×1.50 in

18-300 B medium

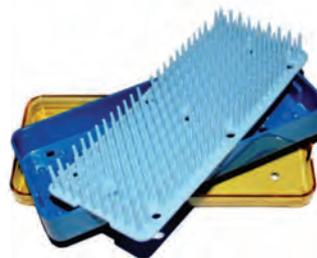


Tray

with silicone finger tip mat

152×63.5×19 mm
152×63.5×19 mm
6.00×2.50×1.50 in

18-301 E small



Tray

with 2 special silicone plug-in inserts

152×63.5×19 mm
152×63.5×19 mm
6.00×2.50×0.75 in

18-301-1 E small



Tray

with silicone finger tip mat

165×101×19 mm
6.50×4.00×0.75 in

18-302 C Square

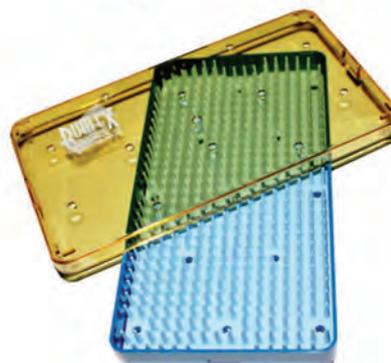


Tray

with silicone finger tip mat

190×101×19 mm
7.50×4.00×0.75 in

18-303 B medium



Tray

with silicone finger tip mat

254×152×19 mm
10.00×6.00×0.75 in

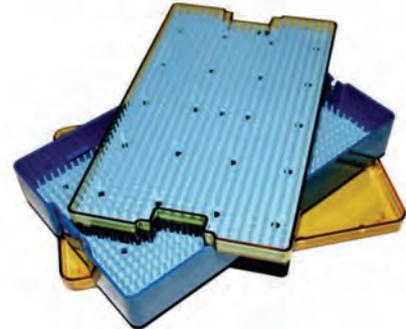
18-304 A extra large

**Two racks tray**

with silicone finger tip mat

Two levels base and insert tray
254×152.4×38 mm
10.00×6.00×1.50 in

18-305 A extra large

**For 3 phaco handpieces**

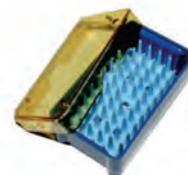
with special silicone plug-in inserts

254×152.4×38 mm
10.00×6.00×1.50 in

18-305-1 A extra large

**For vitreoretinal /
microincisional tips**68.6×38×25.4 mm
3.00×1.50×1.00 in

18-307 F very small

**Tray**

with mat

190.5×63.5×19 mm
7.50×2.50×0.75 in

18-308 D long



STAINLESS STEEL TRAYS

18-310 With Silicone Mat, Single Level, 200×170×35 mm



18-311 With Silicone Mat, Single Level, 270×170×35 mm



18-312 With Silicone Mat, Single Level, 240×240×41 mm



18-313 With Silicone Mat; Single Level, 380×240×41 mm



18-314 With Silicone Mat; Single Level, 480×240×41 mm



18-318 With Silicone Mat, Double Level, 240×240×60mm



LASEK/ LASIK INSTRUMENTS

EPITHELIUM REMOVAL KNIVES

Hockey Knife

For epithelium removal
To remove epithelium for PRK procedure
and during LASIK retreatment
Overall length 130 mm

20-001



Lindstrom

LASIK / PRK Spatula And Epithelium
Removal Board
Semi-sharp end of the instrument
designed to remove epithelium
Fine spatula on the other end is used
for flap manipulation during LASIK surgery
Overall length 145 mm

20-002



SPATULAS

LASIK

Spatula And Flap Retreatment Instrument
Double ended
Overall length 145 mm

20-013



LASEK Detaching Spatula

Can be used to detach edge of the
epithelium flap
Overall length 130 mm

20-130



LASEK Epithelial Micro Hoe

Can be used to detach edge of the
epithelium flap
Overall length 130 mm

20-131



LASEK Knife

The sharp anterior part of the knife is used
to detach epithelium from the incision
The blunt part of the knife is for
repositioning of the epithelium after the
ablation

20-0011



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

SPATULAS

FemtoLASIK Flap Spatula, Double Ended

Double ended instrument with a delicate pick and a curved spatula to open and manipulate the flap
Overall length 130 mm

20-201



FemtoLASIK Flap Spatula

Delicate spatula with a jag on the tip to detach the flap edge and to open the flap
Overall length 130 mm

20-202



Zaldivar FemtoLASIK Spatula

Extra delicate spatula with bullet shaped tip to open and manipulate the flap
Overall length 130 mm

20-203



ReLEx SMILE Double Lenticule Spatula

Blunt spoon and flat spatula

20-2071



ReLEx SMILE Double Lenticule Spatula

Blunt spoon and flat spatula

20-207



TREPHINES AND FUNNELS

LASEK Trephine

For epithelial flap creation

Depth of the incision 70 mkm

Overall length 120 mm

20-1011 8.0 mm

20-1021 9.0 mm



LASEK Funnel

For the application of the alcohol solution

For 8 mm and 9 mm optical zones

Overall length 120 mm

20-1031T 8.5 mm

20-1041T 9.5 mm



LASEK Trephine & Funnel

For epithelial flap creation

Depth of the incision 70 mkm

For the application of the alcohol solution

For 8 mm and 9 mm optical zones

Overall length 130 mm

20-121 8.0 & 8.5 mm

20-122 9.0 & 9.5 mm



MARKING PEN

Marking Pen

Double-ended

Disposable, 10 pcs per box

20-050



FEATURED REUSABLE ANTERIOR AND SETS BY PROCEDURE

CATARACT	142
REFRACTIVE	166
CORNEAL	185
GLAUCOMA	194
PTERYGIUM	198
LACRIMAL SURGERY	201
LID SURGERY	204
OCULOPLASTIC SURGERY	209

CATARACT

PHACOEMULSIFICATION

FEATURED REUSABLE ANTERIOR AND SETS BY PROCEDURE

Whipple Capsulorhexis Centration Marker

Creates circular mark on the cornea to help gauge the size of the capsulotomy and its position
Double Ended with 5.5/6.0 mm diameter
3-040

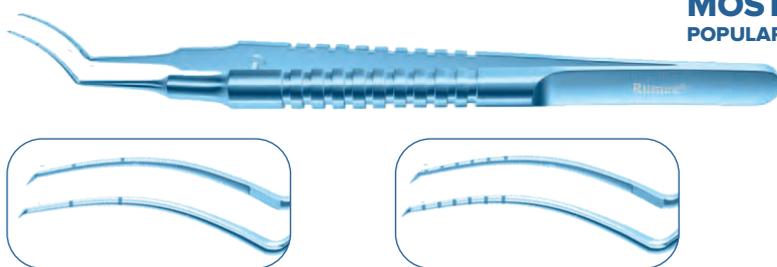


MOST POPULAR

Utrata With Ruler Capsulorhexis Forceps

Curved jaws, 11 mm
With internal laser marks
Ultra-thin profile
Cystotome tips
Round handle
Overall length 110 mm
Titanium

4-03314T 2 engravings at 3, 6 mm
4-03315T 6 engravings at 1, 2, 3, 4, 5, 6 mm



MOST POPULAR

4-03314T

4-03315T

Dressing Forceps with Delicate Serrations

Straight serrated tips, 6 mm
Round handle
Overall length 108 mm
Stainless Steel
4-070S



Faulkner Lens Holding Forceps

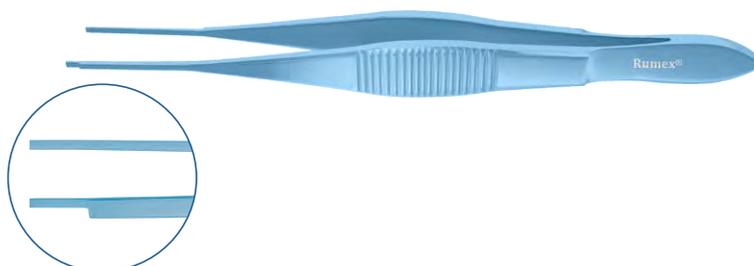
Angled shafts
Smooth jaws
Overall length 105 mm
Stainless Steel
4-2108S



MOST POPULAR

Cartridge Loading Forceps Designed for inserting Acrylic IOL into A, B, C, D cartridges

To be used with 16-2806, 16-2807, 16-2808 injectors
Overall length 109 mm
Titanium
4-2141T



MOST POPULAR

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

Kuglen
 Iris Hook and Lens Manipulator
 0,15 mm diameter shaft
 "H"-shaped tip
 Overall length 122/124 mm
 5-030 Angled (shown)



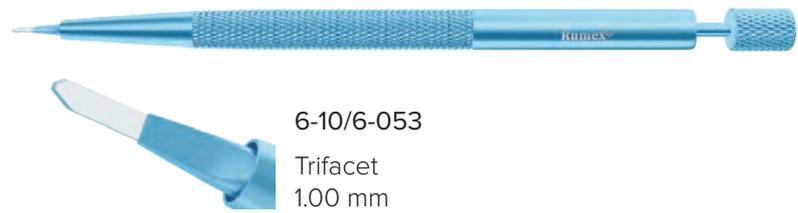
Sinsky
 Lens Manipulating Hook
 Angled, 10 mm from tip to angle
 0,15 mm diameter tip
 Overall length 122 mm
 5-032 Angled



Bechert
 Nucleus Rotator
 Angled, 10 mm from tip to angle
 "Y" shaped tip
 Overall length 121 mm
 5-034



Universal Side Port Diamond Knife
 Straight titanium handle
 Overall length 110 mm
 Used for paracentesis



Phaco Diamond Knife
 Angled titanium handle
 Overall length 130 mm
 Used for tunnel incision



Nagahara
 Phaco Chopper
 Overall length 120 mm
 7-063 RHD (shown)
 7-064 LHD



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

PHACOEMULSIFICATION

Rosen
Phaco Chopper Universal
Overall length 120 mm
7-065



**MOST
POPULAR**

Rosen
Phaco Chopper Universal
Overall length 120 mm
7-065



Rosen
Phaco Splitter
60 degree angled
Wedge shaped
Overall length 120 mm
7-066 RHD (shown)
7-067 LHD



Irrigation / Aspiration Handpiece For Coaxial Phaco

Round handle
Standard connectors
Overall length 110 mm
Titanium
7-080/IAH



Tips for Irrigation / Aspiration Handpiece



Thornton 20° angled
7-080/20



Binkhorst
7-080/BC



Simcoe
7-080/SIM



45° angled
7-080/45



90° angled
7-080/90



Straight
7-080/ST

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

Capsule Polisher

Designed to perform delicate polishing of the capsule
 Angled shaft
 "Iron"-shape tip
 Texturized tip for polishing all capsule parts
 Sharpened ridge at the top for efficient polishing the bottom side of the anterior capsule
 Overall length 120 mm
 7-142



MOST POPULAR

Irrigation Handpiece For Bimanual Technique

Curved tube with smooth faced tip
 Round handle
 Titanium handle / Stainless steel tip
 Standard connector
 Overall length 104 mm



7-081 21 Ga
 2.00×0.35 mm side ports

MOST POPULAR

Aspiration Handpiece For Bimanual Technique

Curved tube with smooth faced or texturized tip
 Round handle
 Titanium handle/Stainless steel tip
 Standard connector
 Overall length 104 mm



7-0821-23 23 Ga
 1×0.35 mm top port
 Capsule polisher tip

MOST POPULAR

Barraquer Needle Holder

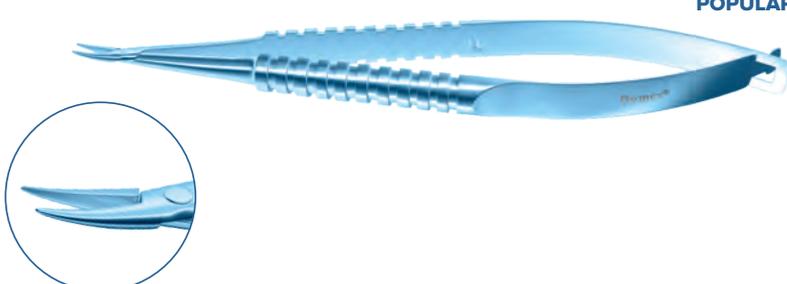
Curved
 Standard jaws, 12 mm
 Overall length 115 mm
 Titanium
 8-030T with lock
 8-031T w/out lock (shown)



MOST POPULAR

Barraquer Needle Holder

Curved
 Extra fine jaws, 8 mm
 Overall length 115 mm
 Titanium
 8-045T w/out lock



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

PHACOEMULSIFICATION

Corneal

Universal Scissors

Round handle
Blunt tips
Overall length 110 mm
Stainless Steel

11-034S 7.50 mm blades
11-035S 11.00 mm blades (shown)



**MOST
POPULAR**

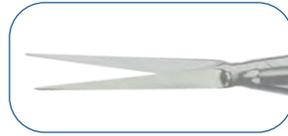


Gills-Vannas

Capsulotomy Scissors

10 mm blades
7 mm from pivot to tip
Sharp pointed tips
Overall length 88/88/84 mm
Stainless Steel

11-056S straight
11-058S curved
11-0581S angled



11-056S



11-0581S



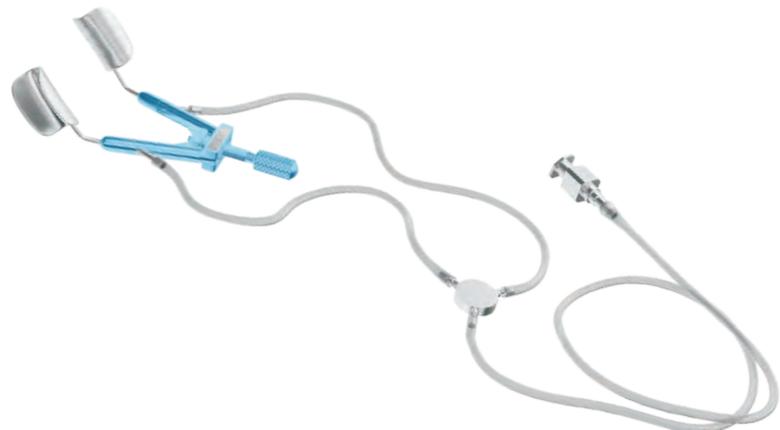
11-058S

**MOST
POPULAR**



Kershner Speculum

Reversible
Can be used for both nasal & temporal approach.
Solid blades
14-060A adult



Capsule Polisher

Microincisional Cannula, 23 Ga

Designed for polishing all aspects of the capsular bag through a 4sub – 2-mm incision
Texturized tip for delicate and efficient capsule polishing
Curved tube for better visualization
23 Ga x 25 mm



15-170



Simcoe I/A Cannula with Silicone Tubing

Regular
0.30 / 0.40 mm port

15-129-0.3 23/23 Ga



IOL Injector for cartridges

Plunger mechanism with reverse inner spring
for easy and efficient one-handed technique
implantation

Specially designed handle enables firm grip
and precise control

With ring

For A, B, C cartridges

Can be supplied with 4-2141 IOL Loading Forceps

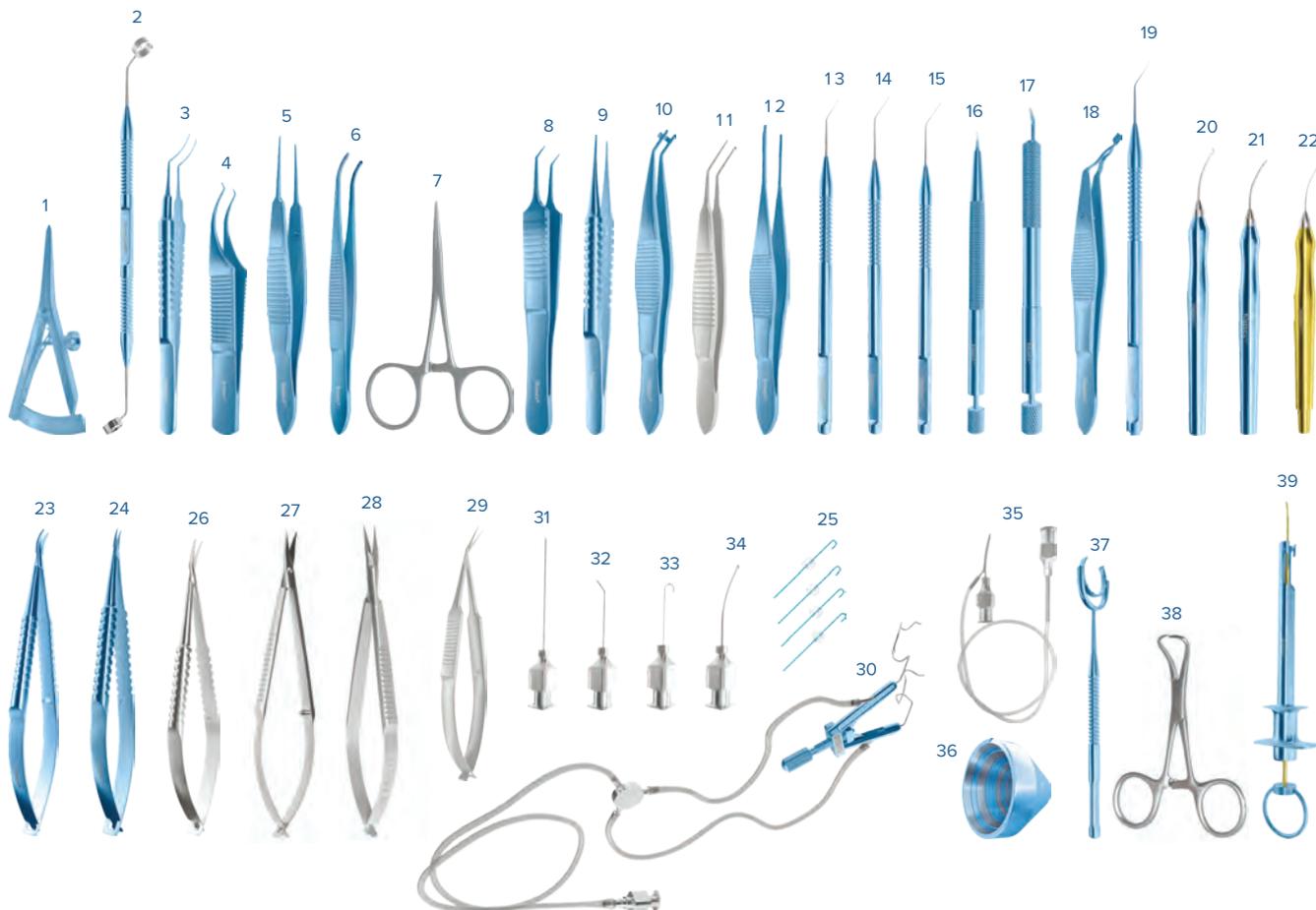
16-2806 For A, B, C cartridges

16-2808 For D cartridge



**MOST
POPULAR**

PHACOEMULSIFICATION SET



Reference	Key	Description
2-010T	1	Castroviejo Caliper
3-040	2	Whipple Capsulorhexis Centration Marker
4-03315T	3	Utrata Capsulorhexis Forceps, Cystotome Tips, with SCALE
4-050T	4	Colibri Corneal Forceps
4-0600T	5	Castroviejo Suturing Forceps
4-072T	6	Dressing Forceps With Serrations
4-120S	7	Hartman Hemostatic Mosquito Forceps
4-174T	8	McPherson Angled Tying Forceps
4-185T	9	Tennant Straight Tying Forceps
4-2107T	10	Steinert Paddle Lens Folding Forceps
4-2108S	11	Faulkner Lens Holding Forceps
4-2141T	12	Cartridge Loading Forceps, For Inserting IOL into A, B, C, D Cartridges
5-030	13	Kuglen Iris Hook
5-032	14	Sinsky Hook
5-034	15	Bechert Nucleus Rotator
6-10/6-053	16	Diamond Knife, Trifacet Blade, 1.00 mm
6-20/6-107	17	Diamond Knife, Self-Diving Trapezoid Blade, 2.00/2.30 mm
7-025T	18	Ernest Nucleus Cracker
7-063 (7-064*)	19	Nagahara Phaco Chopper RHD (LHD*)
7-0634/I	20	Lesieur Hydrochopper, 20 Ga

Reference	Key	Description
7-081	21	Irrigation Handpiece For Bimanual Technique, 21Ga
7-0821	22	Aspiration Handpiece For Bimanual Technique, 22Ga
8-031T	23	Barraquer Needle Holder, Standard Jaws
8-045T	24	Barraquer Needle Holder, Extra Fine Jaws
10-5016-1	25	Disposable Iris Retractors, 1 pack of 4 pcs (4 retractors)
11-034S	26	Universal Corneal Scissors
11-040S	27	Westcott Curved Tenotomy Scissors
11-044S	28	Westcott Stitch Scissors
11-0581S	29	Gills-Vannas Capsulotomy Scissors
14-080A	30	Lieberman Temporal Speculum With Aspiration
15-025	31	Kelman Sharp Irrigating Cystotome, 25Ga
15-051-27	32	Rycroft Anterior Chamber Cannula, 27Ga
15-071-25	33	McIntyre Nucleus Hydrodissector, Spatulated, 25Ga
15-170	34	Microincisional Capsule Polisher Cannula, Disc-shaped Tip, 23 Ga
15-129-0.3	35	Simcoe I/A Cannula, 23/23Ga
16-020T	36	Maloney Intraoperative Keratometer
16-0341T	37	Fine/Thornton Fixation Ring With Swivel
16-081S	38	Towel Forceps
16-2806	39	Next generation IOL injector for A, B, C cartridges
18-305**	40	Plastic Sterilizing Tray, Double Level, Large

* optional
 ** not shown

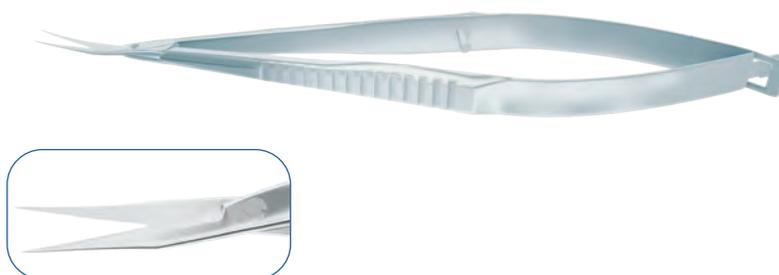
PHACO PRECHOP

**MOST
POPULAR**

Westcott Stitch Scissors

Gently curved
16 mm blades
Sharp pointed tips
Overall length 120 mm
Stainless Steel

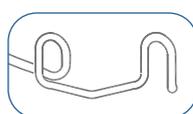
11-044S Standard jaws



Lieberman Style

Temporal
"V" style open blades
Overall length 71 mm

14-040T adult
14-042T child



Jensen Capsule Polisher

Gently Curved, Olive tip
All around sand blasted

15-159-25 25 Ga x 28 mm



Irrigating Cystotome

45° tip

21-R3925 25Ga x 5/8 in (0.50x16 mm)



**MOST
POPULAR**

Utrata Capsulorhexis Forceps

Straight jaws, 11 mm
Long handle
Overall length 107 mm
Titanium or Stainless Steel

4-0301T Cystotome tips

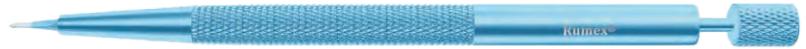


**MOST
POPULAR**

PHACO PRECHOP

Universal Side Port Diamond Knife

Straight titanium handle
 Overall length 110 mm
 Used for paracentesis



Phaco Diamond Knife

Angled titanium handle
 Overall length 130 mm
 Used for tunnel incision



MOST POPULAR



Self-Diving Trapezoid Blade
 6-20/6-100 – 1.90/2.50

Irrigation Handpiece For Bimanual Technique

Curved tube with smooth faced tip
 Round handle
 Titanium handle / Stainless steel tip
 Standard connector
 Overall length 104 mm



MOST POPULAR



7-081 21 Ga
 2.00×0.35 mm side ports

Stodulka Enhanced Irrigation Handpiece for Bimanual Technique

Curved
 21 Ga
 Two Ports on Side 0.50 × 1.00 mm
 7-0811



Irrigation Handpiece For Bimanual Technique

Curved tube with smooth faced tip
 Round handle
 Titanium handle / Stainless steel tip
 Standard connector
 Overall length 104 mm



7-0813 21 Ga
 2.00×0.50 mm side ports

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

Prechopper

Angled
Maximum opening – 2.80 mm
Overall length 117 mm
Stainless Steel

7-111S

**MOST
POPULAR****Combo****Prechopper**

Straight
Specially designed jaws to split soft and hard nuclei
With sharp blades on the upper side of the tips and blunt on the other side
Maximum opening – 2.80 mm
Overall length 121 mm
Stainless Steel

7-1161S

**MOST
POPULAR****Combo****Prechopper**

for sub-2.0 mm Coaxial MicroPhaco
Straight
Specially designed to split nuclei through a small 2.00 mm incision
Maximum opening – 2.00 mm
Overall length 121 mm
Stainless Steel

7-1162S

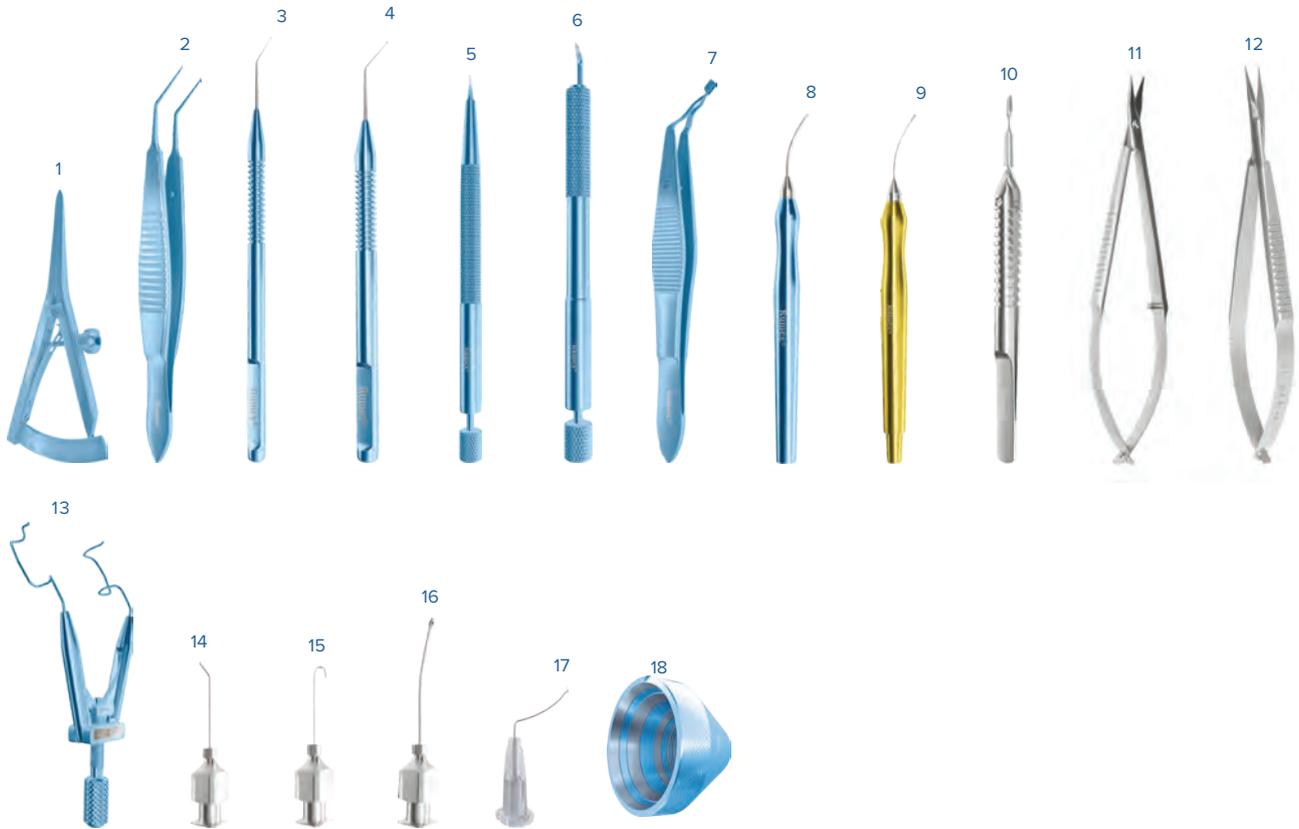
**Inamura Eagle****Prechopper**

Straight
Narrow tip is easy to insert to the denser nucleus which enables division from soft to dense nucleus without the counter force
Maximum opening – 2.80 mm
Overall length 120 mm
Stainless Steel

7-1165S

**MOST
POPULAR**

PHACO PRECHOP SET



Reference	Key	Description
2-010T	1	Castroviejo Caliper
4-0301T	2	Utrata Capsulorhexis Forceps, Cystotome Tips
5-030	3	Kuglen Hook, Angled
5-032	4	Sinsky Hook, Angled
6-10/6-053	5	Diamond Knife, Trifacet Blade, 1.00 mm
6-20/6-104	6	Diamond Knife, Self-Diving Trapezoid Blade, 2.30/2.80 mm
7-025T	7	Ernest Nucleus Cracker
7-081	8	Irrigation Handpiece For Bimanual Technique, 21Ga
7-0821	9	Aspiration Handpiece For Bimanual Technique, 22Ga
7-1161S	10	Combo Prechopper (Sharp&Blunt Blades)

Reference	Key	Description
11-040S	11	Westcott Curved Tenotomy Scissors
11-044S	12	Westcott Stitch Scissors, Sharp Tips
14-040T	13	Lieberman Temporal Speculum
15-071-25	14	McIntyre Nucleus Hydrodissector, 25Ga
15-051-27	15	Rycroft Anterior Chamber Cannula, 27Ga
15-159-25	16	Jensen Capsule Polisher, Curved, Olive tip, 25Ga
21-R3925	17	Irrigating Cystotome - Formed 25Ga, 10 per box
16-020T	18	Maloney Intraoperative Keratometer, Titanium
18-304*	19	Sterilizing Tray, Large

* not shown

EXTRA CAPSULAR CATARACT EXTRACTION (ECCE)

Castroviejo

Corneal Section Scissors

Lower blade 0.50 mm longer than upper blade
14 mm blades
Overall length 106 mm
Stainless Steel

11-024S Right (shown)

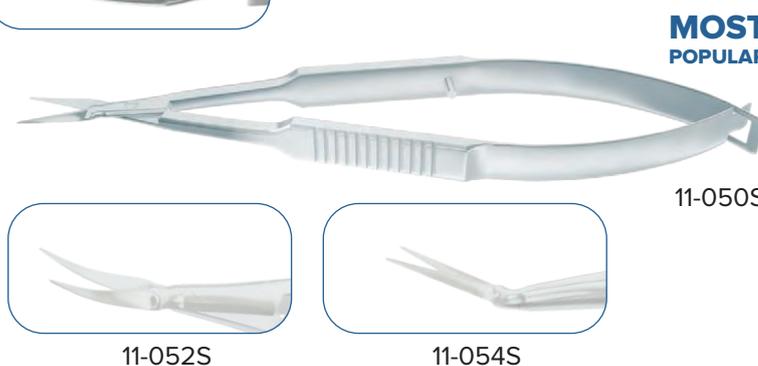


Vannas

Capsulotomy Scissors

6 mm blades
13 mm from pivot to tip
Sharp pointed tips
Overall length 84/84/80 mm

11-052S curved
11-054S angled

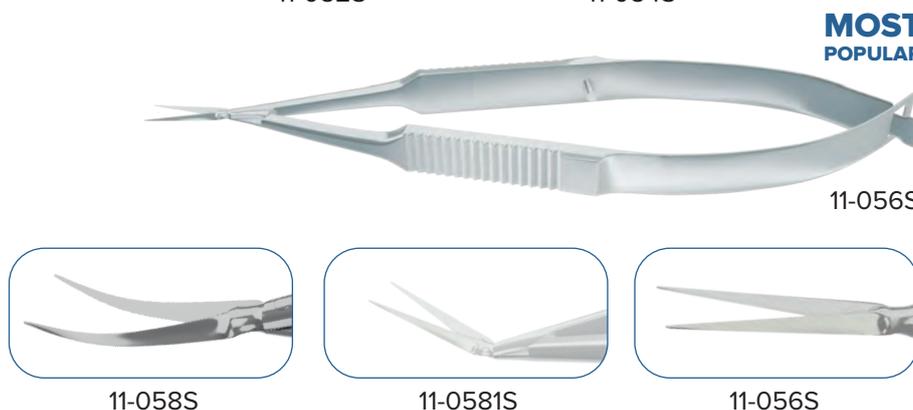


Gills-Vannas

Capsulotomy Scissors

10 mm blades
7 mm from pivot to tip
Sharp pointed tips
Overall length 88/88/84 mm
Stainless Steel

11-056S straight
11-058S curved
11-0581S angled



Straight Spatula

Overall length 122 mm

13-014 1.00 mm width, 13 mm length



Castroviejo

Double Ended Cyclodialysis Spatula

Overall length 136 mm

13-050 0.50 mm width, 10 & 15 mm length



Castroviejo

Cyclodialysis Spatula

Overall length 124 mm

13-051 1.00 mm width, 10 mm length



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

EXTRA CAPSULAR CATARACT EXTRACTION



**MOST
POPULAR**

Barraquer

Closed wire rounded blades
Stainless steel

14-022S adult (14 mm blades)



**MOST
POPULAR**

Barraquer

Angled for temporal approach
Closed wire blades
Stainless steel
Overall length 40 mm

14-0281S child

Lieberman Style

Temporal
Kratz style open blades
Round branches
Titanium
Overall length 71 mm

14-040TK adult



Knolle-Pearse

Irrigating Vectis

3 irrigating ports at 12, 10 and 2 O'clock
Loop 5 mm wide, 9 mm long

15-183 23 Ga



Wilder

Lens Loop

4 mm width
Overall length 134 mm

16-072



Chang Chopper

Micro Finger & Quick Chopper

Modified Micro Finger tip with interior edge to chop and divide soft nucleus
Quick Chopper with sharp point to penetrate and split hard nucleus
Overall length 125 mm

7-1271 LHD, Titanium handle

7-127T RHD, Titanium Handle



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

**MOST
POPULAR****Castroviejo
Suturing Forceps**

Tying platform, 6 mm
Overall length 110/108/108 mm
Titanium or Stainless Steel

4-0600S 1×2 teeth, 0.12 mm
4-0600T 1×2 teeth, 0.12 mm

**MOST
POPULAR****Kelman-McPherson
Tying Forceps**

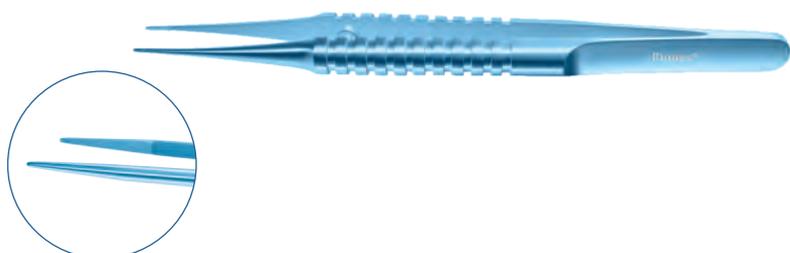
Overall length 81/84/86 mm
Titanium or Stainless Steel

4-091S Tying Platforms, 8 mm

**MOST
POPULAR****Tennant
Forceps**

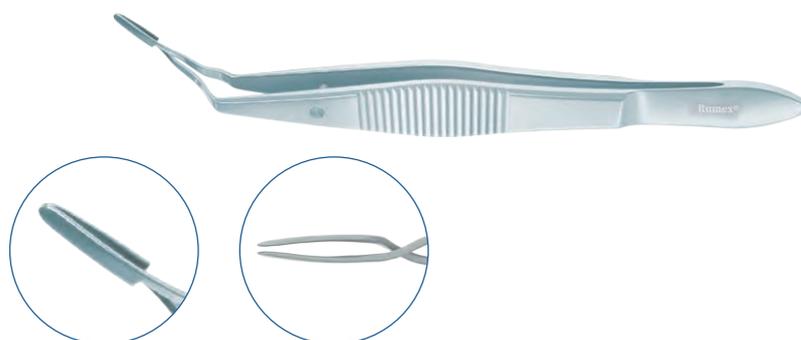
Extra delicate smooth jaws
Curved
Tying platform, 6 mm
For 9-0 to 11-0 sutures
Round handle
Overall length 108/107/107 mm
Titanium or Stainless Steel

4-185S straight
4-186S curved

**McDonald
Inserting Forceps for Silicone Lens**

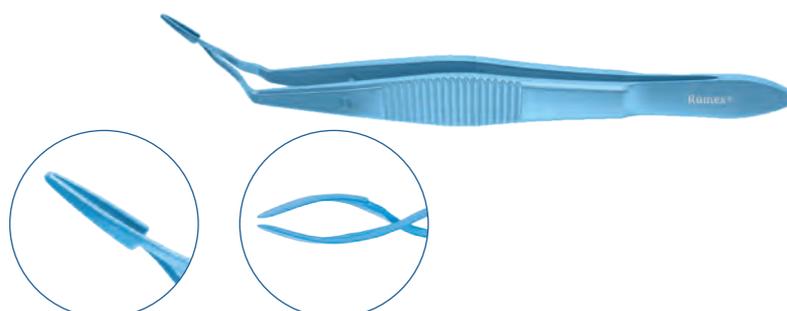
Concave jaws, 5 mm
Cross-action
Overall length 102 mm
Stainless Steel

4-2113S

**Akahoshi
Forceps For Acrylic Lens**

Thin and smooth jaws, 7 mm
Jaws open up to 5.50 mm
Cross action
Overall length 102 mm
Titanium

4-2138T

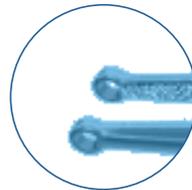


MOST POPULAR

**Fechtner
Conjunctiva Forceps**

Delicate ring tip jaws
Overall length 108 mm
Titanium

4-2301T Flat Handle



**McPherson
Tying Forceps**

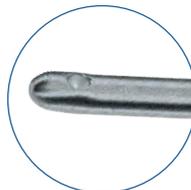
Angled
Long handle
Standard handle
Overall length 102/103/104/106 mm
Titanium

4-174T Tying Platform, 8 mm



**Aspirational Handpiece
For Bimanual Technique**

Curved tube with smooth faced
or texturized tip
Round handle
Titanium handle/Stainless steel tip
Standard connector
Overall length 104 mm



7-0821-23 23 Ga
1x0.35 mm top port
Capsule polisher tip



**Rumex
Lens Manipulator**

Angled, 10 mm from tip to angle
0,18 mm diameter shaft
Button shaped 0.45 mm tip
Overall length 122 mm

5-031



MOST POPULAR

**Rosen
Phaco Chopper Universal**

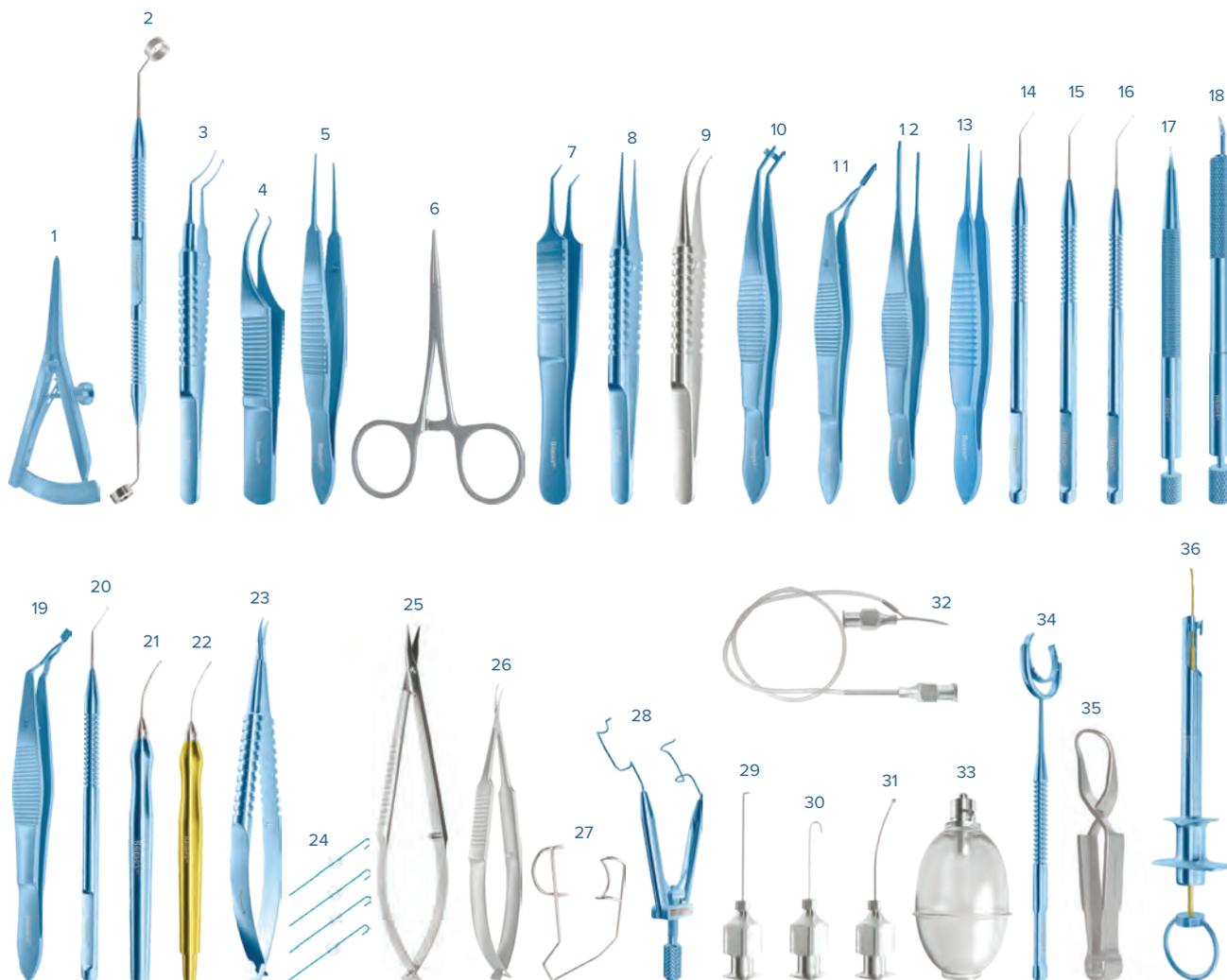
Overall length 120 mm

7-065



MOST POPULAR

EXTRA CAPSULAR CATARACT EXTRACTION (ECCE) SET



Reference	Key	Description
2-010T	1	Castroviejo Caliper, Titanium
3-040	2	Whipple Capsulorhexis Centration Marker
4-03315T	3	Ultrata Capsulorhexis Forceps with Ruler
4-050T	4	Colibri Corneal Forceps, 0.12 mm 1x2 Teeth
4-0600T	5	Castroviejo Suturing Forceps, 0.12 mm 1x2 Teeth
4-120S	6	Hartman Mosquito Forceps, Straight
4-174T	7	McPherson Angled Tying Forceps
4-185T	8	Tennant Straight Tying Forceps
4-186S	9	Tennant Curved Tying Forceps
4-2107T	10	Steinert Paddle Lens Folding Forceps
4-2113S	11	MacDonald Style Inserting Forceps
4-2141T	12	Cartridge Loading Forceps
4-2301T	13	Fechtner Conjunctiva Forceps
5-030	14	Kuglen Hook
5-0331	15	Lester Lens Manipulator
5-034	16	Bechert Nucleus Rotator
6-10/6-053	17	Diamond Knife, Trifacet Blade, 1.00 mm
6-20/6-104	18	Diamond Knife, Self-Diving Trapezoid Blade, 2.30/2.80 mm

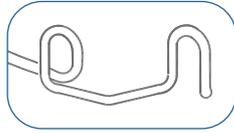
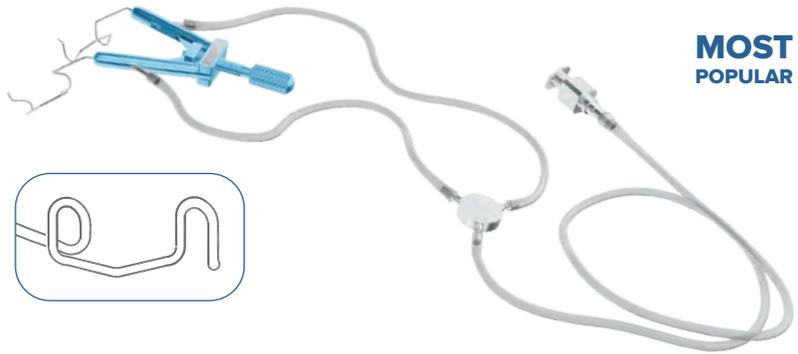
Reference	Key	Description
7-025T	19	Ernest Nucleus Cracker
7-065	20	Rosen Phaco Chopper Universal
7-081-23	21	Irrigation Handpiece, Curved, 23 Ga
7-0821-23	22	Aspiration Handpiece, Curved, 23 Ga
8-041T	23	Barraquer Needle Holder, Medium
10-5016-1	24	Disposable Iris Retractors (1 pack of 4 pcs)
11-040S	25	Westcott Curved Tenotomy Scissors
11-058S	26	Gills-Vannas Capsulotomy Scissors, 10 mm Blades
14-022S	27	Barraquer Wire Speculum, Adult Size
14-040TK	28	Lieberman Temporal Speculum, Adult Size
15-0681	29	Chang Nucleus Hydrossector
15-071-25	30	McIntyre Nucleus Hydrossector, Spatulated
15-170	31	Microincisional Capsule Polisher, 23 Ga
15-129-0.3	32	Simcoe I/A Cannula, 23/23 Ga
15-301/303	33	Silicone Bulb With Adapter
16-0341T	34	Thornton Fixation Ring With Swivel
16-080S	35	Towel Clamp
16-2806	36	IOL injector for A, B, C cartridges
18-305*	37	Plastic Sterilizing Tray, Double Level, Large

* not shown

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

MICS**Lieberman Style**

Temporal
«V» style open blades
14-080 A adult

**Kershner****One-Pinch capsulorhexis Forceps**

Curved 23 Gauge shaft
For High Vacuum Phaco
Jaws length 2,5 mm
Cystotome tips
With fixation wheel
Compatible with Squeeze Handle 12-003T
4-03731* 23Ga

**Kershner****One-Pinch capsulorhexis Forceps with Micro Jaws**

Curved 23 Gauge shaft
Micro jaws length 1.80 mm mm
Reduced length of the branches for better maneuverability in the anterior chamber during capsulorhexis
Cystotome tips
With fixation wheel
Compatible with Squeeze Handle 12-003T
4-03741* 23Ga



Lesieur

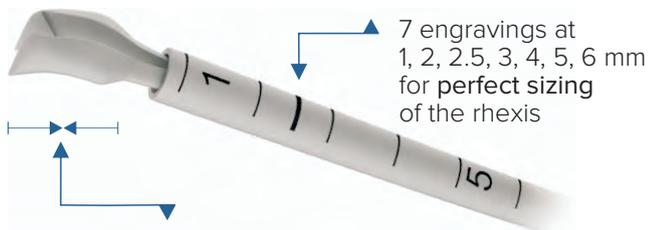
Capsulorhexis Forceps with Internal Ruler

Compatible with Squeeze Handle 12-003T
Tip only

4-03742* 23 Ga



Slightly curved and short 23 Ga shaft for better maneuverability



7 engravings at 1, 2, 2.5, 3, 4, 5, 6 mm for perfect sizing of the rhexis

Short jaws facilitate gripping the capsule close to the wound

Capsulorhexis Forceps with Internal Ruler, 23Ga

The internal laser marks allow to measure the size of rhexis
Curved 23 Gauge shaft
Micro jaws length 0,8 mm
Cystotome tips
With fixation wheel
Compatible with Squeeze Handle 12-003T
4-0375* – 6 engravings at 1, 2, 3, 4, 5, 6 mm



Kawai

Capsulorhexis Forceps

Curved tapered elongate 23/25 Ga shaft
Designed to perform Capsulorhexis through 0.8 mm side-port incision.
The construction of the forceps show least adverse effect on the wound.
Gripping tips are projected out of 25 Ga shaft
Cystotome tips
Compatible with Squeeze Handle 12-003T (see p.4)
4-03771* 23/25 Ga



Tapered shaft



Colibri

Corneal Forceps

1x2 teeth, 0.12 mm
Tying platform, 5 mm
Overall length 77 mm
Titanium
4-0501T



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.
*Handles are sold separately.

MICS

Universal Side Port Knives

Straight Titanium Handle
Overall Length 110 mm
Used for paracentesis



**MOST
POPULAR**

Phaco Diamond Knife

Angled titanium handle
Overall length 130 mm
Used for tunnel incision



Nagahara

Phaco Chopper
Overall length 120 mm
7-063 RHD (shown)
7-064 LHD



**MOST
POPULAR**

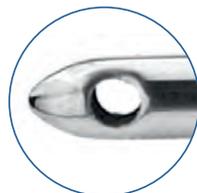
**Irrigation Handpiece
For Bimanual Technique**

Curved tube with smooth faced tip
Round handle
Titanium handle / Stainless steel tip
Standard connector
Overall length 104 mm



**MOST
POPULAR**

7-081 21 Ga
2.00×0.35 mm side ports



7-0813 21 Ga
2.00×0.50 mm side ports



**MOST
POPULAR**

7-081-23 23 Ga
2×0.35 mm side ports

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

BIMANUAL MICROPHACO (MICS) SET



Reference	Key	Description
4-03771	1	Kawai Capsulorhexis Forceps, Tapered 23/25Ga shaft
4-0501T	2	Colibri Corneal Forceps, .12mm 1x2 Teeth
4-0600T	3	Castroviejo Suturing Forceps, .12mm 1x2 Teeth
4-174T	4	McPherson Angled Tying Forceps
5-032	5	Sinsky Hook
5-034	6	Bechert Nucleus Rotator
6-10/6-053	7	Diamond Knife Trifacet Blade, 1.00 mm
6-20/6-144	8	Diamond Knife, Self-Diving Trapezoid Blade, 1.80/2.00 mm
7-063(7-064*)	9	Nagahara Phaco Chopper RHD (LHD*)
7-081	10	Irrigation Handpiece For Bimanual Technique, 21Ga
7-0821	11	Aspiration Handpiece For Bimanual Technique, 22Ga

* optional
 ** not shown

Reference	Key	Description
11-03741	12	Side Port Capsulotomy Scissors, Left, 20Ga
11-03751	13	Side Port Capsulotomy Scissors, Right, 20Ga
11-044S	14	Westcott Stitch Scissors
12-003T**		Universal Squeeze Handle (2 pcs)
14-080A	15	Lieberman Temporal Speculum With Aspiration
15-0681	16	Chang Nucleus Hydrodissector, 27Ga
15-170	17	Microincisional Capsule Polisher Cannula, Disc-shaped Tip, 23 Ga
15-129-0.3	18	Simcoe I/A Cannula, 23/23Ga
15-301/303	19	Silicone Bulb With Adapter
18-304**	20	Sterilizing Tray, Large

Irrigation Handpiece For Bimanual Technique

Curved tube with smooth faced tip
Round handle
Titanium handle / Stainless steel tip
Standard connector
Overall length 104 mm



7-081 21 Ga
2.00×0.35 mm side ports

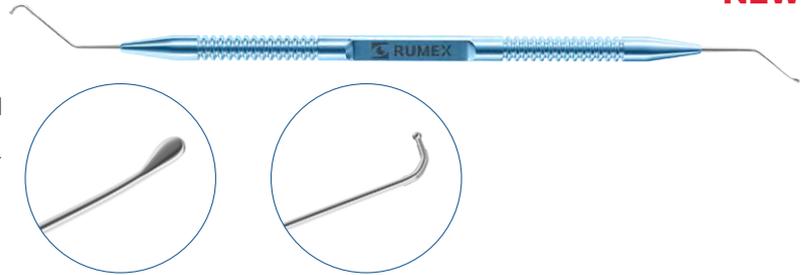
**MOST
POPULAR**



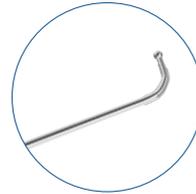
Uy Laser Lens Fragmentation Combo Manipulator

Double ended instrument for femtosecond cataract procedure combining a chopper and a spatulated tip for nuclear, epinuclear and cortical fragments manipulating.

13-181



NEW



Spatula for Femtosecond Laser Procedure

This delicate instrument is used for opening cataract incision created by femtosecond laser system
Specially designed for Alcon LenSx® Laser
Also compatible with incisions made by VICTUS™ Femtosecond Laser Platform (Bausch & Lomb)
1,4 mm length flat tip
Overall Length 120 mm

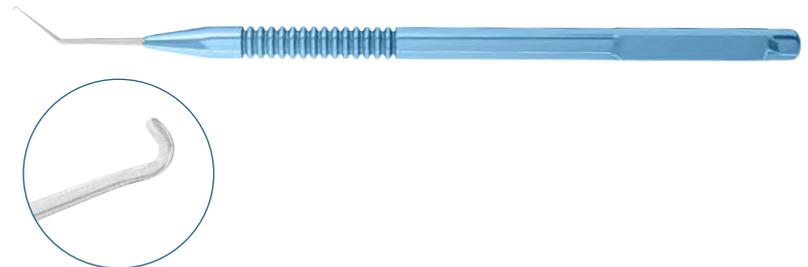
20-204



Nagy Femtosecond Chopper

Use for femtosecond laser assisted cataract
Cracking the nucleus thru the laser created lines

7-145



Forceps for Femtosecond

Laser Cataract Procedure
Stainless steel

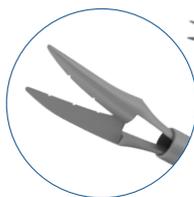
4-0582S



Micro Foldable Lens Cutter

Straight scissors
Blades with notches
19 Ga

4-2173



**MOST
POPULAR**

Rowen Rescue Kit Forceps

Crocodile Type Intraocular Forceps
For Foldable Lens Removal
To remove silicone or acrylic IOL in case
of complications
Compatible with Squeeze Handle 12-003T

4-2150* 20 Ga



**MOST
POPULAR**

Rowen Rescue Kit Scissors

Straight Intraocular Scissors For Foldable
Lens Removal
Curved shaft
To remove silicone or acrylic IOL in case
of complications
Compatible with Squeeze Handle 12-003T

4-2151* 19 Ga



RUMEX Handle For Microincision Instruments

Ergonomic Design
Two Fingers Control Squeeze Model

12-003T



Capsulotomy Scissors

Side Port Capsulotomy Scissors
Curved shaft
With lock
Compatible with Squeeze Handle 12-003T

11-03741* 20 Ga, Left
11-03751* 20 Ga, Right (shown)



IOL Grasping Forceps

Curved shaft
Sand-blasted surfaces for efficient gripping
Fenestrated jaws for better visualization
and haptic manipulation
Designed to reach and hold the IOL
optic and gaptic
Compatible with Squeeze Handle 12-003T

4-2145* 21 Ga



NEW

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.
*Handles are sold separately.

Rumex
Foldable Lens Cutter

Designed to cut and remove all types of foldable intraocular lens through a small incision.
Upper blade of the scissors has three bevels for effective cutting and grasping of the IOL.
Squeeze Titanium Handle
Overall length 112 mm

4-21731



MOST POPULAR

Rumex
Foldable Lens Removing Forceps

Designed to grasp and remove all types of foldable intraocular lens through a small incision
Squeeze Titanium Handle
Overall length 110 mm

4-21741



Osher
IOL Scissors

To cut Silicone or Acrylic IOL in case of complications
6 mm long blades with serration to fixate the lens
Overall length 91 mm
Stainless steel

4-2175S



Lewicky
Lens Manipulating Hook

Angled, 10 mm from tip to angle
Vaulted shaft
0.15 mm diameter blunt tip
Overall length 120 mm

5-021



Sinskey
Lens Manipulating Hook

Angled, 10 mm from tip to angle
0,15 mm diameter tip
Overall length 122 mm

5-032 Angled



MOST POPULAR

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

Lester**Lens Manipulator**

Hourglass shaped 0.20 mm tip
Overall length 124/122 mm

5-033 Straight
5-0331 Angled (shown)

**Coaxial Needle Holder
for IOL Suturing**

Designed for IOL scleral
fixation with suture through
a small incision
Titanium handle with
plunger mechanism
Curved shaft
To be used with straight and
curved spatulated needles
with length up to 18 mm
(Poly-propylene 10-0 or 9-0)
Overall length 128 mm

8-120 19 Ga

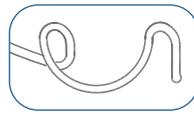


PRK/LASIK

**Lieberman Style
Speculum for LASIK**

Temporal
Rounded open blades
Round branches
Titanium
Overall length 71 mm

14-040TL adult



**Lieberman Style
Speculum for LASIK**

Temporal
Rounded open blades
Flat branches
Titanium
Overall length 76 mm

14-0401TL adult



**Lieberman Style
Speculum for LASIK**

Nasal
Rounded open blades
Flat branches
Titanium
Overall length 70 mm

14-0411TL adult



**Lieberman Style
Speculum for LASIK**

Rounded open blades

14-080LA temporal
14-081LA nasal

**MOST
POPULAR**



Vidaurri**LASIK Double Cannula**

8 irrigating ports
 Universal cannula simultaneously irrigates both sides of flap.
 Washes at stromal bed and enables flap positioning
 Design permits sideways entry into the flap without dragging epithelium into the interface

15-371-25 25 Ga /16 Ga × 12 mm shaft

**Banaji****LASIK Irrigation Cannula**

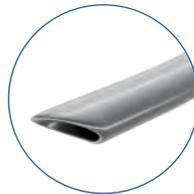
4 Ports 0.25 mm on periphery
 Curved

15-373-25 25 Ga
 15-373-27 27 Ga

**Slade****LASIK Cannula**

Flattened spatulated tip, end opening

15-376 26 Ga

**Gimbel****LASIK Fountain Cannula**

Single port

15-378R 25 Ga × 25.40 mm, Right
 15-378L 25 Ga × 25.40 mm, Left

**Buratto****LASIK Irrigation Cannula**

45° angled triport
 The tip is a smooth closed end design slightly tapered to allow insertion under the flap.
 10 mm curved angle to conform to the corneal shape

15-379-25 25 Ga



PRK/LASIK

Paton

Double Ended Spatula and Spoon

Spatula for manipulations with the cornea (LASIK/PRK/Corneal Transplantation)

13-110



Hockey Knife

For epithelium removal

To remove epithelium for PRK procedure and during LASIK retreatment

Overall length 130 mm

20-001



Lindstrom

LASIK / PRK Spatula And Epithelium Removal Board

Semi-sharp end of the instrument designed to remove epithelium
Fine spatula on the other end is used for flap manipulation during LASIK surgery

Overall length 145 mm

20-002



LASIK

Spatula And Flap Retreatment Instrument

Double ended
Overall length 145 mm

20-013

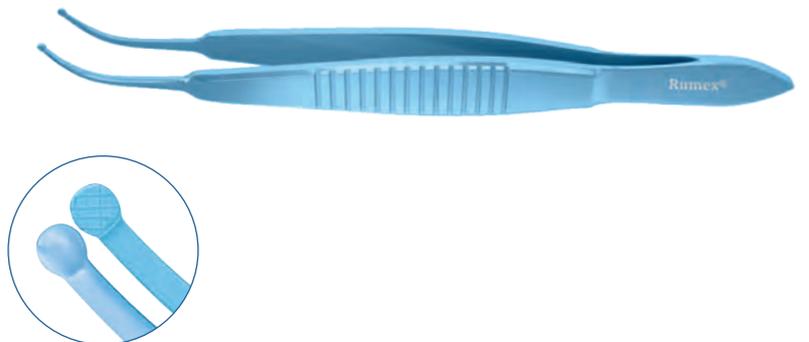


LASIK Flap Forceps

Specially designed for LASIK.
For atraumatic corneal flap lifting and holding.

Blunt, circle-shaped
Criss-cross serrated jaws
Curved jaws
Overall length 108 mm
Titanium

4-2206T



Lavery LASIK**Marker**

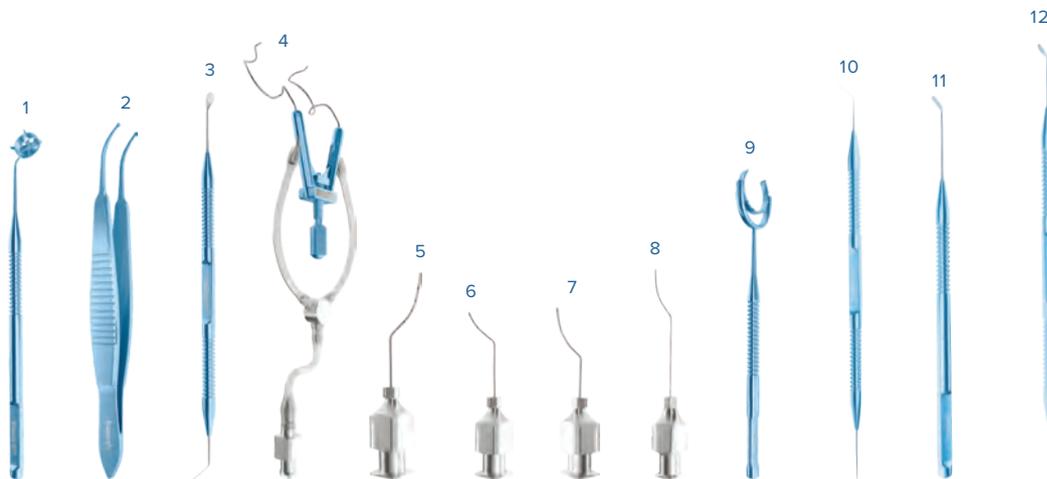
8.50 mm optical zone
 5 asymmetrical marking lines to ensure
 right placement of a corneal flap
 With an optical center sight
 Overall length 130 mm
 Titanium

3-174T

**LASIK Flap****Marker**

3 asymmetrical marking lines to ensure
 right placement of a corneal flap
 Designed both for nasal and
 superior hinge
 Overall length 130 mm
 Titanium

3-176T

**LASIK SET**

Reference	Key Description
3-174T	1 Lavery LASIK Marker
4-2206T	2 LASIK Flap Forceps, Curved, Titanium
13-1 10	3 Paton Double Ended Spatula And Spoon, Double Ended
14-080LA	4 Lieberman Temporal Speculum With Aspiration for LASIK
15-373-25	5 Banaji LASIK Irrigation Cannula, 25Ga
15-376	6 Slade LASIK Cannula, 26G

Reference	Key Description
15-378R	7 Gimbel LASIK Fountain Cannula, R right, 25GX25,4 mm
15-379-25	8 Buratto LASIK Irrigation Cannula 25G, 45° angled triport
16-0341T	9 Fine/Thornton Fixation Ring With Swivel
20-013	10 LASIK Spatula And Flap Retreatment Instrument
20-001	11 Hockey Epithelium Removal Knife
20-002	12 Lindstrom LASIK/PRK Spatula and Epithelium Removal Board
18-304*	13 Plastic Sterilizing Tray, Single Level, Large

* not shown

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

LASEK

LASEK Trephine

For epithelial flap creation

Depth of the incision 70 mkm
Overall length 120 mm

20-1011 8.0 mm
20-1021 9.0 mm



LASEK Funnel

For the application of alcohol solution

For 8 mm and 9 mm optical zones
Overall length 120 mm

20-1031T 8.5 mm
20-1041T 9.5 mm



LASEK Trephine & Funnel

For epithelial flap creation

Depth of the incision 70 mkm
For the application of alcohol solution
For 8 mm and 9 mm optical zones
Overall length 130 mm

20-121 8.00 & 8.50 mm
20-122 9.00 & 9.50 mm



LASEK Detaching Spatula

Can be used to detach edge of the
epithelium flap
Overall length 130 mm

20-130



LASEK Epithelial Micro Hoe

Can be used to detach and lift edge of the
epithelium flap
Overall length 130 mm

20-131



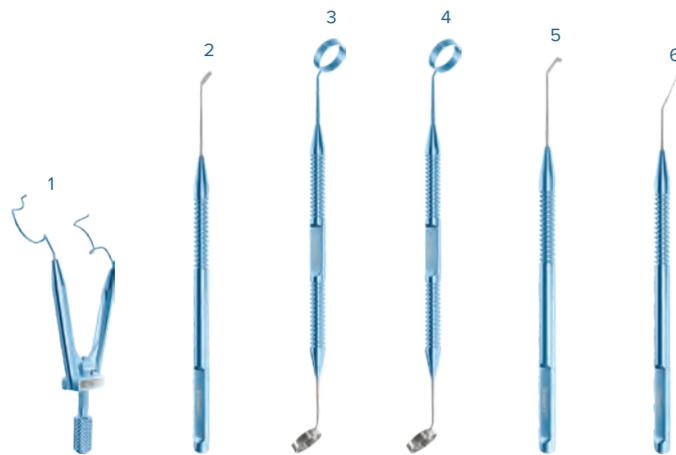
LASEK Knife

The sharp anterior part of the knife is used
to detach epithelium from the incision
The blunt part of the knife is for repositioning
of the epithelium after the ablation

20-001



LASEK SET



Reference	Key	Description
14-040TL	1	Lieberman Temporal Speculum for LASIK
20-0011	2	LASEK Knife
20-121	3	LASEK 8.0 mm Trephine / 8.5 mm Funnel

* not shown

Reference	Key	Description
20-122	4	LASEK 9mm Trephine / 9.5 mm Funnel
20-130	5	LASEK Detaching Spatula
20-131	6	LASEK Epithelial Micro Hoe
18-304*	7	Plastic Sterilizing Tray, Single Level, Large

FEMTOLASIK

FemtoLASIK

Flap Spatula, Double Ended

Double ended instrument with a delicate pick and a curved spatula to open and manipulate the flap
Overall length 130 mm

20-201

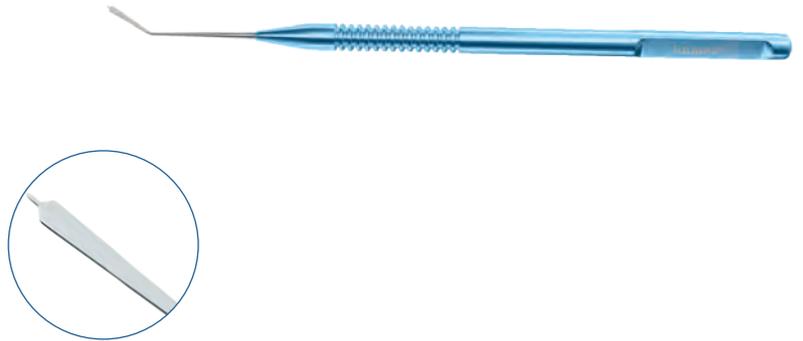


FemtoLASIK

Flap Spatula

Delicate spatula with a jag on the tip to detach the flap edge and to open the flap
Overall length 130 mm

20-202

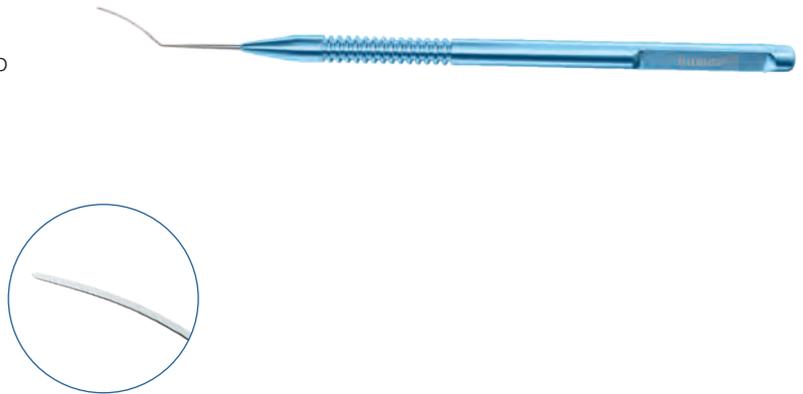


Zaldivar

FemtoLASIK Spatula

Extra delicate spatula with bullet shaped tip to open and manipulate the flap
Overall length 130 mm

20-203



Marking Pen

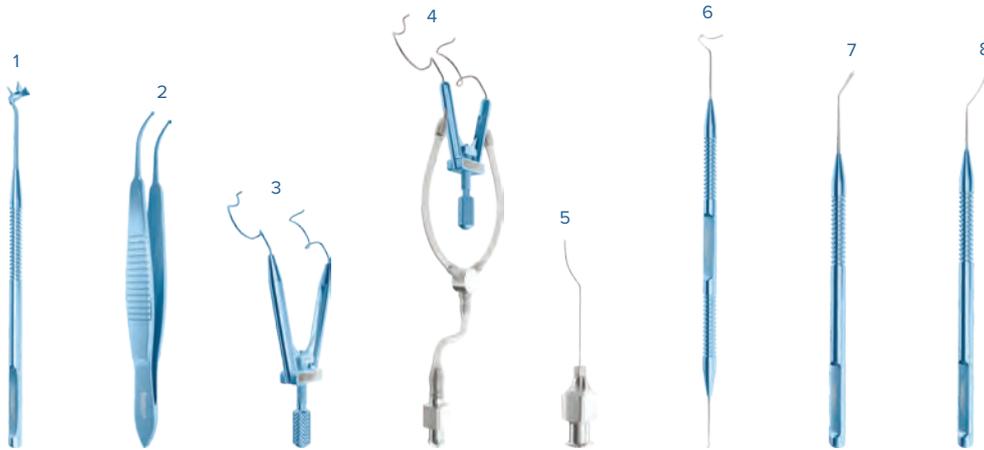
Double-ended

Disposable, 10 pcs per box

20-050



FEMTOLASIK SET



Reference	Key Description
3-176T	1 LASIK Flap Marker
4-2206T	2 LASIK Flap Forceps, Curved, Titanium
14-040TL	3 Lieberman Temporal Speculum for LASIK
14-080LA	4 Lieberman Temporal Speculum with Aspiration for LASIK
15-379-25	5 Buratto LASIK Irrigation Cannula 25 Ga

* not shown

Reference	Key Description
20-201	6 FemtoLASIK Flap Spatula Double Ended
20-202	7 FemtoLASIK Flap Spatula
20-203	8 Zaldivar FemtoLASIK Spatula
18-304*	9 Plastic Sterilizing Tray, Single Level, Large

RELEX SMILE

NEW

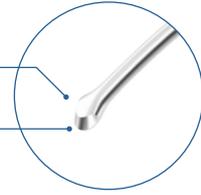
Stodulka

ReLEX Smile Double Spatula

Pocketing spatula for creating the entrance and intrastromal pocket dissector
Fine flat spatula to open the intrastromal pocket

20-207

Disk-shaped blade for efficient dissection
Polished top for the identification of the tip position



20-2071

ReLEX Smile double lenticule spatula (blunt spoon and shortened atraumatic flat spatula)

Stodulka

Forceps

For Small-Incision Lenticule Extraction
Designed to grasp the lenticule and remove it from the corneal pocket
Special configuration of branches for comfortable gripping
Overall length 100 mm
Stainless Steel

Designed to grasp the lenticule and remove it from the corneal pocket

Special configuration of branches for comfortable gripping

4-2012S

Ultra thin tips are safe for the pocket walls



Combination of the tips surface (texturized and crocodile) for efficient grasping of the lenticule



LRI**MOST
POPULAR****Mendez
Degree Gauge**

Used to determine incision angles
 Can be used with 3-090T Bores Axis Marker
 Calibrated every 10 degrees from 0° to 180°
 With 4 grooves for better marks
 visualization
 Internal diameter 13 mm/external
 diameter 16.50 mm
 Overall length 122 mm
 Titanium

2-0331T

**Rumex
Degree Gauge With Beveled Face**

Calibrated every 5 degrees from 0° to 180°
 for precise marking
 Beveled face minimizes the microscope
 glare
 Marking are clearly visible providing high
 accuracy
 Degree marks are close to the cornea
 Internal diameter 12 mm / external
 diameter – 16 mm
 Overall length 122 mm
 Titanium

2-036T

**NEW****Bores
Axis Marker**

Used with Mendez 2-034T to mark
 the axis.
 Intra-Op
 Overall length 130 mm
 Titanium

3-090T

**LRI Marker**

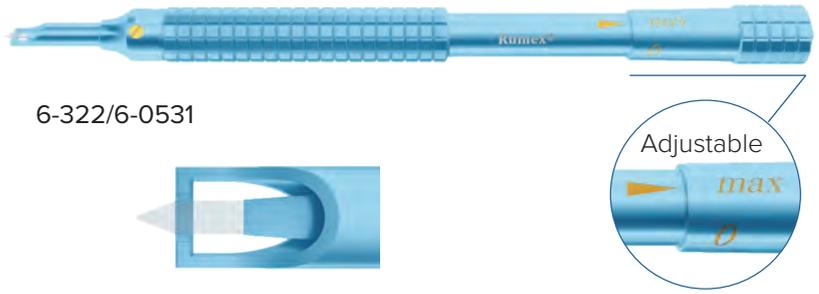
Intra-Op
 Automatically creates marks at
 40-60-80 degrees
 Overall length 130 mm

3-1801



Universal Three-Step Knife For Cataract and LRI Surgery

Three steps: 0.50 mm, 0.55 mm
and 0.60 mm for LRI and
Full extension for Side Port or AK Surgery
Phaco Incision
Single footplate for better visualization
20° Trifacet Blade
0.20 – 1.00 mm width
Overall length 130 mm



LRI SET



Reference	Key	Description
2-0331T	1	Grooved Mendez Degree
3-090T	2	Bores Axis Marker
3-1932	3	Whitehouse Gravity Axis Marker II, Straight
6-322/6-0531	4	Universal Three-Step Diamond Knife for Cataract and LRI Surgery



Reference	Key	Description
* optional		
3-1801	1	LRI Marker , 40-60-80 degrees
3-1932	2	Whitehouse Gravity Axis Marker II, Straight
6-322/6-0531	3	Universal Three-Step Diamond Knife for Cataract and LRI Surgery

TORIC IOL IMPLANTATION

Mendez Grooved Fine Mendez Degree

Used to determine incision angles
Can be used with 3-091T Bores Axis Marker
Calibrated every 5 degrees from 0° to 180°
With 4 grooves for better marks visualization
Internal diameter 12 mm/external diameter 14 mm
Dull finish
Overall length 120 mm
Titanium

2-034T



NEW

Bores Axis Marker

Used with Mendez 2-034T to mark the axis.
Intra-Op
Overall length 130 mm
Titanium

3-091T



NEW

Whitehouse

Gravity Axis Marker

Pre-Op
Marks the limbus at 3, 6 and 9 o'clock
Helps to avoid the effect of cyclotortion
Gravity weight system assures excellent visualization and balance
Internal diameter 11 mm/external diameter 14 mm
Overall length 155 mm

3-193
3-1931

Angled shaft
Straight shaft



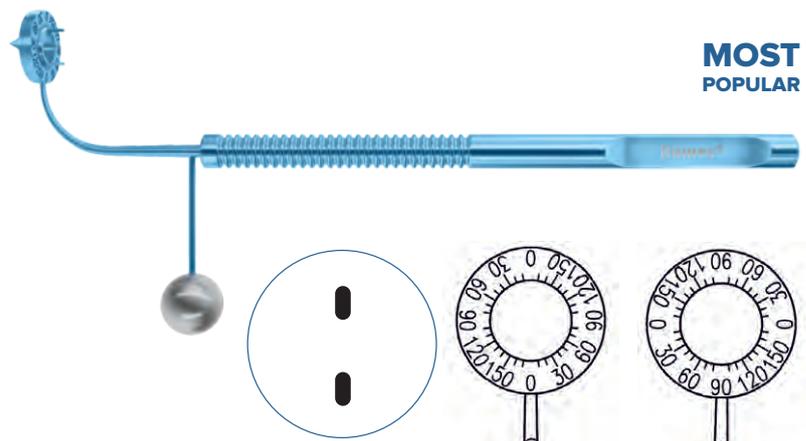
**MOST
POPULAR**

Rumex Toric Combo Marker

Pre-Op marker to mark the axes while the patient is in sitting position
Marks both horizontal and toric axes pre-operatively which eliminates an Intra-Op step
Provided with rotating ring for accurate alignment.
Reduces cyclotorsion effect in supine position
Overall length 125 mm

3-194
3-1941

Vertical axis
Horizontal axis



**MOST
POPULAR**

TORIC IOL IMPLANTATION

Velasquez

Corneal Marker for LRI/Toric IOL implantation

4 radial blades mark the horizontal and vertical meridians of the visual axis
 The internal marks help to check the IOL alignment in the end of surgery
 The central 5 mm ring serves as a guide for Capsulorhexis
 The outer ring protects blades from damage
 Angled shaft helps to avoid touching the lower eyelid

3-195 Angled shaft



Microincisional Capsule Polisher

Curved tube for better visualization
 Texturized tip for delicate and efficient capsule polishing
 Specially designed for scrubbing all parts of the capsular bag
 Obtains performing a procedure through a sub 2-mm incision
 Stainless Steel

15-170 23 Ga x 25 mm



Universal Side Port Diamond Knife

Straight titanium handle
 Overall length 110 mm
 Used for paracentesis



6-10/6-052

45° Double Edge
 1.00 mm

6-10/6-053

Trifacet
 1.00 mm

Phaco Diamond Knife

Angled titanium handle
 Overall length 130 mm
 Used for tunnel incision



Trapezoid Self-Diving Blades
 6-20/6-144 1.80/2.00 mm

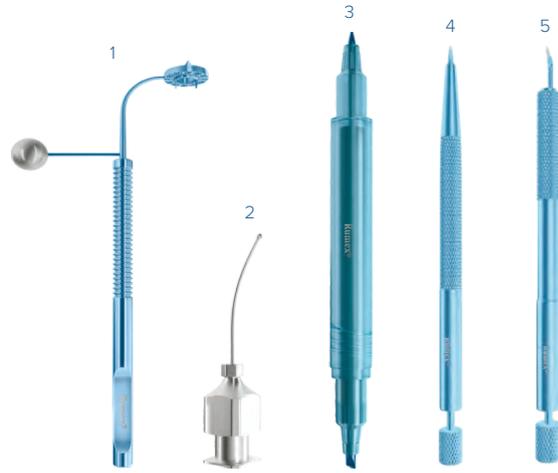
Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

TORIC IOL IMPLANTATION SET



Reference	Key	Description
2-034T	1	Grooved Fine Mendez Degree
3-091T	2	Bores Axis Marker
3-193	3	Whitehouse Gravity Axis Marker, Angled
15-170	4	Microincisional Capsule Polisher Cannula, Disc-shaped Tip, 23 Ga
20-050	5	Disposable Marking Pen

*optional set



Reference	Key	Description
* optional		
3-194 (3-1941)*	1	Rumex Toric Combo Marker, Vertical 0-0 Axis (Horizontal 0-0 Axis)
15-170	2	Microincisional Capsule Polisher Cannula, Disc-shaped Tip, 23 Ga
20-050	3	Disposable Marking Pen
6-10/6-053	4	Diamond Knife, Trifacet Blade, 1.00 mm
6-20/6-144	5	Diamond Knife, Self-Diving Trapezoid Blade, 1.80/2.00 mm

PHAKIC IOL IMPLANTATION

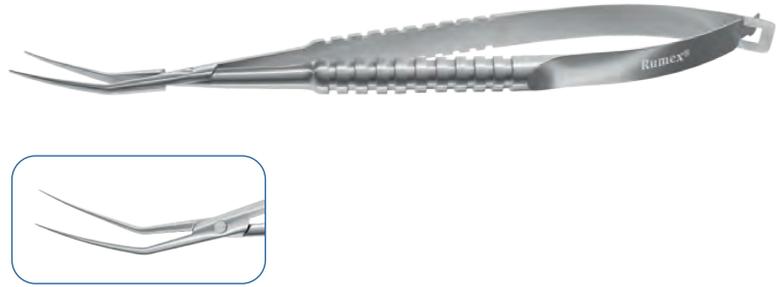
**MOST
POPULAR**

ICL™

Cartridge Loading Forceps

Designed to remove the ICL from the container and push it inside the cartridge
 Angled 30 degree long jaws
 Round handle
 Overall length 120 mm
 Titanium or stainless steel

4-20111T
 4-20111S



ICL™ Loading Forceps

Angled Forceps
 Straight 20 Gauge shaft
 Non rotatable
 Designed to load the ICL™ inside the cartridge to ensure proper positioning by pulling from the distal opening
 Compatible with Squeeze Handle 12-003T

4-21431 * 20 Ga



Zaldivar Knife for ICL Implantation

0.55/1.00 mm
 Designed for ICL™ implantation
 Can be used for other incisions: Side Port, Clear Cornea, Scleral Tunnel
 6-20/6-0551



Zaldivar Blade

6-20/6-0551

0.55/1.00 mm width
 Designed for ICL™ implantation
 Can be used for other incisions: Side Port, Clear Cornea, Scleral Tunnel



Pallikaris

ICL™ Manipulator

Designed to place the lens corners under the iris
 Sandblasted tip
 Overall length 120 mm

13-141



Zaldivar

ICL™ Manipulator

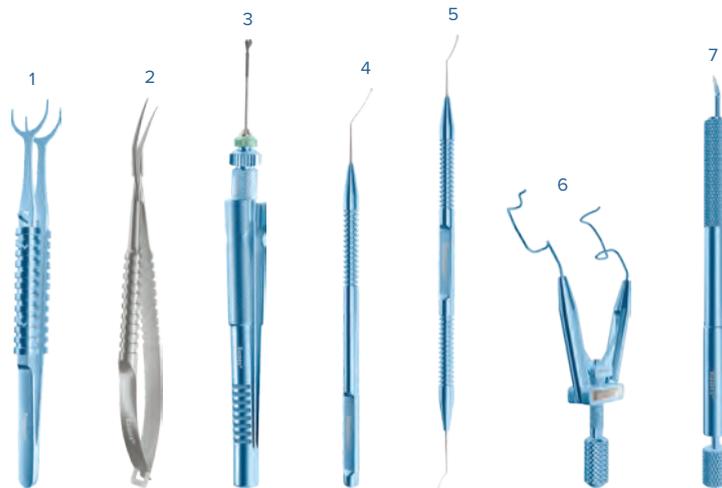
Double ended instrument with slight forked tips to place the lens corners under the iris
 Overall length 130 mm

13-142



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

ICL SET



Reference	Key Description
4-08011T	1 Nevyas-Wallace Fixation Forceps, .12mm 1x2 Teeth
4-20111S	2 ICL™ Cartridge Loading Forceps
4-21431/ 12-003T*	3 Coaxial ICL Loading Forceps/Universal Squeeze Handle
13-141	4 Pallikaris ICL™ Manipulator

* not shown

Reference	Key Description
13-142	5 Zaldivar ICL™ Manipulator
14-040T	6 Lieberman Temporal Speculum
6-20/6-0551	7 Zaldivar Diamond Knife, 0.55/1.00 mm
18-304*	8 Sterilizing Tray, Single Level, Large

ICRS IMPLANTATION

Optical Zone Marker

Used to mark visual center for ICSR implantation procedure
 Double ended
 Visual center marker 0.15 mm width
 Sinskey hook 0.50 mm width
 Titanium Handle/Stainless Steel Tips

3-034



Tunnel Zone Marker

Marking tunnel for future ring position with initial lines for incisions
 Internal diameter 4 mm/ external diameter 6 mm
 Creates 2 mm lines
 40 degree angled to handle
 Titanium

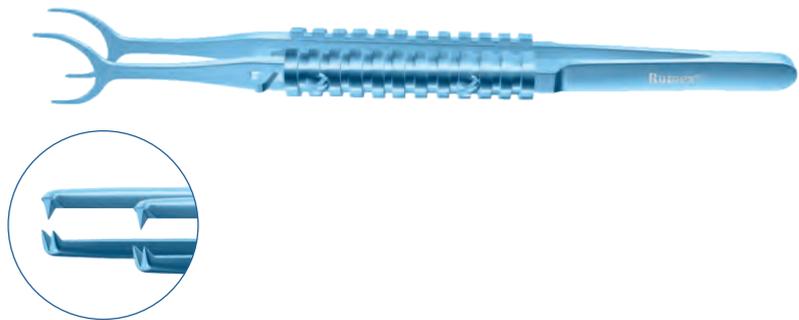
3-143T



Nevyas-Wallace

Fixation Forceps
 Two point fixation
 13 mm between the ends
 1x2 teeth, 0.12 mm
 Straight shafts
 Round handle
 Overall length 105mm
 Titanium

4-08011T



Diamond Knife for ICRS

Micrometric Handle, Titanium

1.00 mm width
 Designed for implantation of intrastromal corneal ring segments (ICRS)
 Performs a 1 mm radial incision at 70–80% of corneal thickness
 Micrometric scale allows to customize the depth of the blade
 from 0 to 1000 microns (0 to 1.00 mm)
 Increment – 5 microns (0.005 mm)
 The maximal depth of the blade is 1700 microns (1.70 mm)

6-00/6-020 1.00 mm width



Forceps for ICRS Implantation

0.20 mm 1x1 teeth
0.30 mm groove
Overall length 85 mm
Titanium

4-2144T



Elevator for ICSR Implantation

Creates a small notch in intended direction of the tunnel
0.10 mm height, 0.20 mm width,
0.70 mm length
Straight shaft

10-035



Suarez Spreader

For widening the notches in both directions in a proper depth
0.10 mm height, 0.60 mm width, 1.25 mm length
Straight shaft

13-146



Bicalto Guide

For lifting the cornea prior to the Tunnel Maker insertion
Blunt tip
0.30 mm height, 0.10 mm width,
5.00 mm length
Angled shaft

13-147



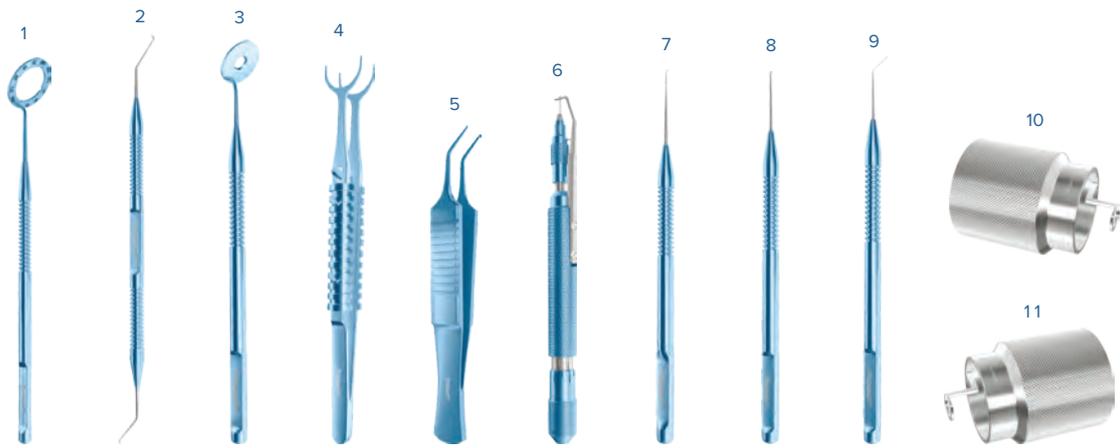
Tunnel Maker

Internal diameter 4.40 mm
External diameter 5.60 mm
Stainless Steel

16-173S Left
16-174S Right



ICRS SET



Reference	Key Description
2-0331T	1 Mendez Degree Gauge
3-034	2 Optical Zone Marker
3-143T	3 Tunnel Zone Marker
4-08011T	4 Nevyas-W allace Fixation Forceps
4-2144T	5 Forceps for ICSR Implant
6-00/6-020	6 Diamond Knife for ICSR, Micrometer Handle, 1.00 mm

* not shown

Reference	Key Description
10-035	7 Elevator for ICSR implantation
13-146	8 Suarez Spreader
13-147	9 Bicalto Guide
16-173S	10 Tunnel Maker Left
16-174S	11 Tunnel Maker Right
18-304*	12 Plastic Sterilizing Tray, Single Level, Large

CORNEAL TRANSPLANTATION

Corneal Trephine Blades

Stainless Steel

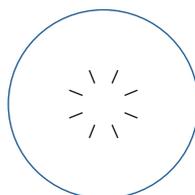
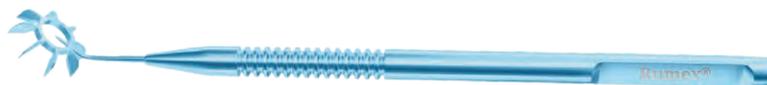
16-0300 6.00 mm	16-0307 8.00 mm
16-0301 6.50 mm	16-0308 8.25 mm
16-0303 7.00 mm	16-0309 8.50 mm
16-0305 7.50 mm	16-0310 9.00 mm
16-0306 7.75 mm	16-0311 9.50 mm



Corneal Transplant Marker

7 mm ring with 8 radial blades
With center pointer
Overall length 130 mm
Titanium

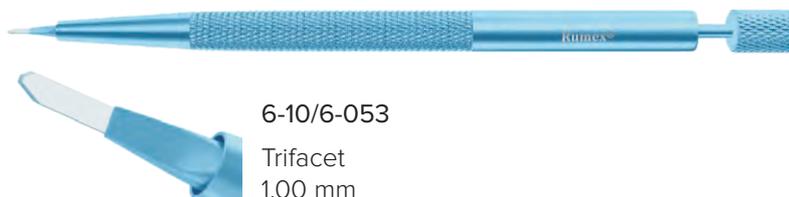
3-140T



**MOST
POPULAR**

Universal Straight Side Port Diamond Knife

Straight titanium handle
Overall length 110 mm
Used for paracentesis



6-10/6-053

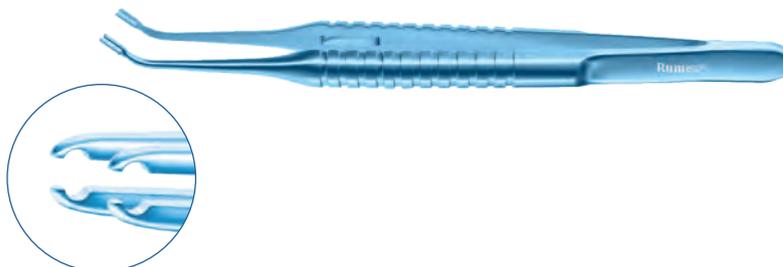
Trifacet
1.00 mm

Polack

Corneal Transplant Fixation Forceps

Two point fixation
Delicate 1x2 teeth, 0.12 mm
1.2 mm between the ends
Curved shafts
Pierse type tips
Round handle
Overall length 112 mm
Titanium

4-0814T



Katzin

Corneal Transplant Scissors

Strongly curved
Medium blades
Blunt tips
Overall length 100 mm
Stainless Steel

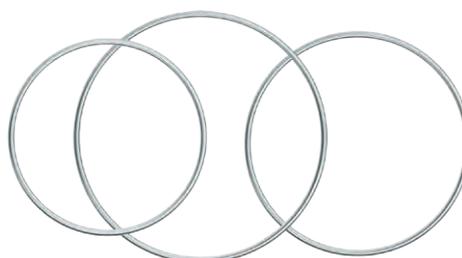
11-020S Left (shown)
11-020IS Right



Flieringa Rings

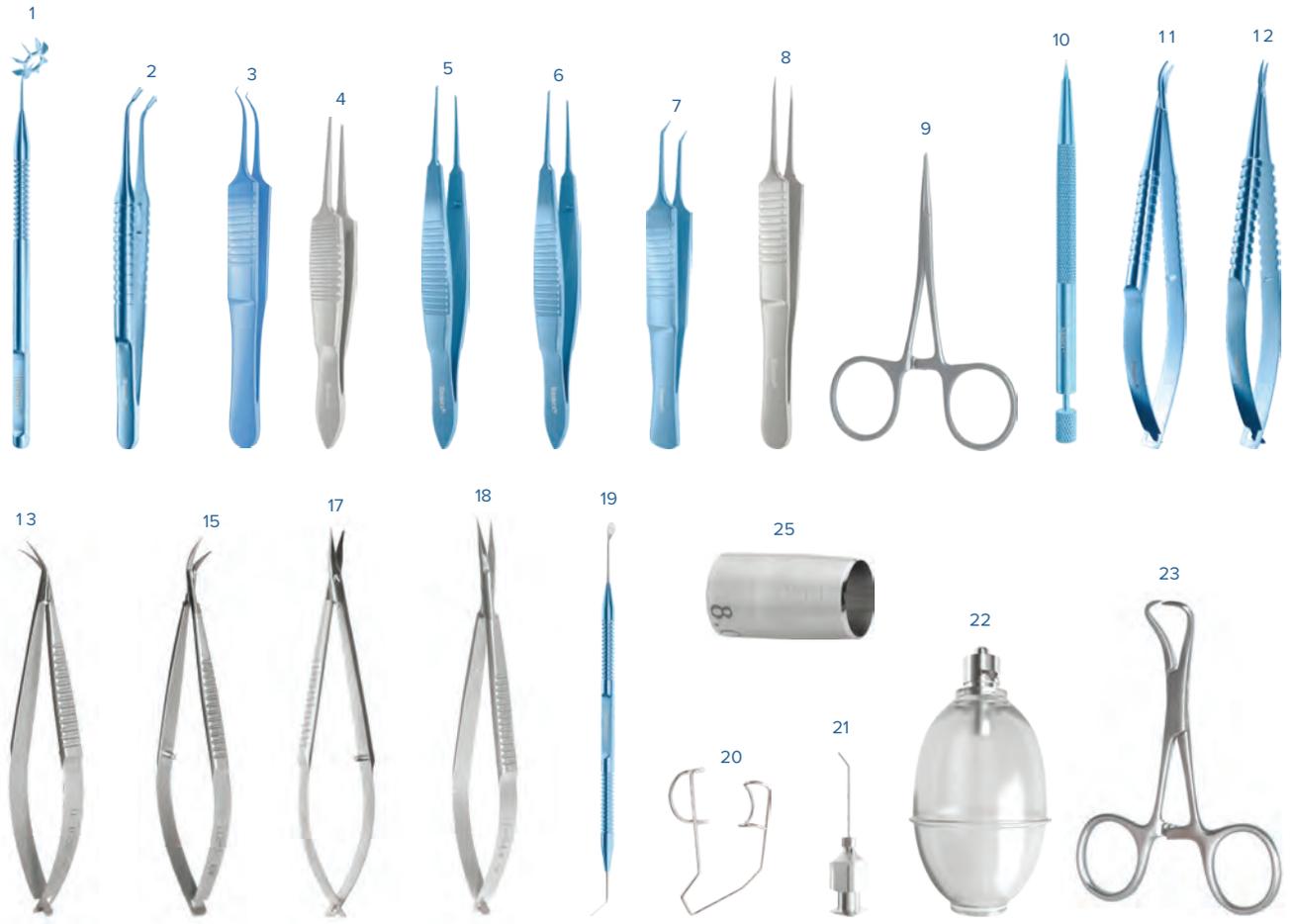
Sutured to the sclera to support the globe during difficult eye operations.
Stainless Steel

16-030-14 (14 mm)	16-030-19 (19 mm)
16-030-15 (15 mm)	16-030-20 (20 mm)
16-030-16 (16 mm)	16-030-21 (21 mm)
16-030-17 (17 mm)	16-030-22 (22 mm)
16-030-18 (18 mm)	



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

CORNEAL TRANSPLANTATION SET



Reference	Key	Description
3-140T	1	Corneal Transplant Marker
4-0814T	2	Pollack Corneal Transplantation Fixation Forceps
4-0541T	3	Castroviejo Colibri Corneal Forceps, 0.12 mm 1x2 Teeth
4-0607S	4	Bishop-Harmon Suturing Forceps, 0.30 mm 1x2 Teeth
4-0600T	5	Castroviejo Suturing Forceps, 0.12 mm 1x2 Teeth
4-0601T	6	Castroviejo Suturing Forceps, 0.30 mm 1x2 Teeth
4-090T	7	Kelman-McPherson Tying Forceps, 4 mm Platforms
4-178S	8	McPherson Straight Tying Forceps, 7 mm Platforms
4-120S	9	Hartman Mosquito Forceps
6-10/6-053	10	Diamond Knife, Trifacet Blade, 1.00 mm
8-031T	11	Barraquer Needle Holder, Medium
8-045T	12	Barraquer Needle Holder, Extra Fine Jaws, Medium
11-020S	13	Katzin Corneal Transplant Scissors, Left
11-0201S*	14	Katzin Corneal Transplant Scissors, Right

* not shown

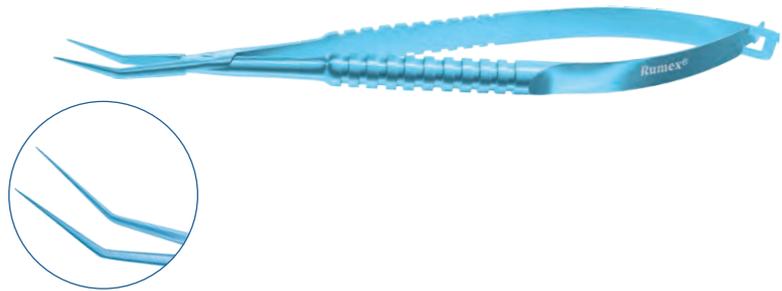
Reference	Key	Description
11-024S	15	Castroviejo Corneal Section Scissors, Right
11-0241S*	16	Castroviejo Corneal Section Scissors, Left
11-040S	17	Westcott Curved Tenotomy Scissors
11-044S	18	Westcott Stitch Scissors
13-1 10	19	Paton Double Ended Spatula And Spoon
14-022S	20	Barraquer Wire Speculum, Adult Size
15-051-25	21	Rycroft Anterior Chamber Cannula, 25 Ga
15-301/303	22	Silicone Bulb With Adapter
16-081S	23	Towel Forceps
16-0305*	24	Corneal Trephine Blades, 7.50 mm
16-0307	25	Corneal Trephine Blades, 8.00 mm
18-305*	26	Plastic Sterilizing Tray, Double Level, Large

DSEK, DSAEK, DMEK

Corneal Donor Insertion Forceps

Designed for atraumatic insertion of the donor lamella folded in a taco shape
30 degrees angled, 18 mm tip
Round Handle
Overall Length 125 mm
Titanium

4-2019T



Forceps For Corneal Endothelium Implantation

For inserting the donor button with the pull-through technique
Security of cornea stromal layer
Compatible with Squeeze Handle (12-003T)

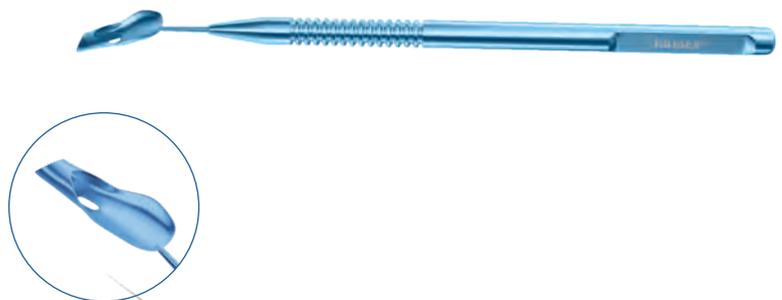
4-034*



Spatula-Guide

For corneal endothelium implantation
Overall length 122 mm

13-150T



Reverse Sinskey Hook

For scoring the recipient bed and for placing the donor lamella

Angled
10 mm from bend to tip
Overall length 116 mm

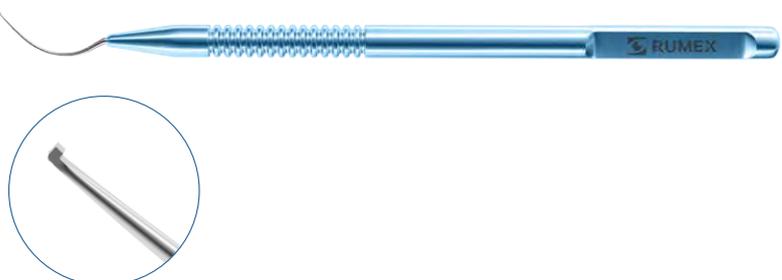
5-0322



Dexatome DMEK/DSAEK Spatula

Spatula for removal of the Descemet's membrane as a single disc
Strongly Vaulted Shaft
Round Handle
Overall Length 114 mm

13-182



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

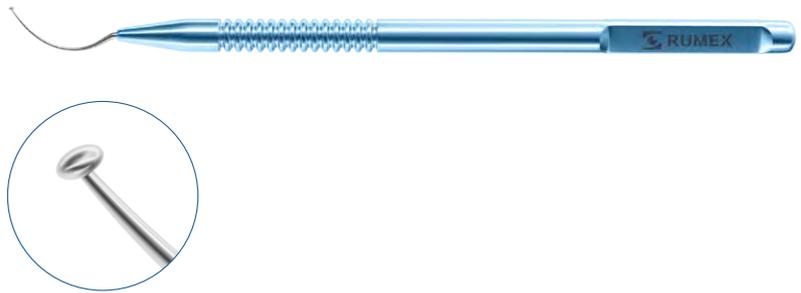
*Handles are sold separately.

DSEK, DSAEK, DMEK

DSAEK Stromal Scrubber

Strongly Vaulted Shaft
Round Handle
Overall Length 114 mm

13-183



DSAEK Glider

To diminish and eliminate donor disk wrinkles at the donor host interface

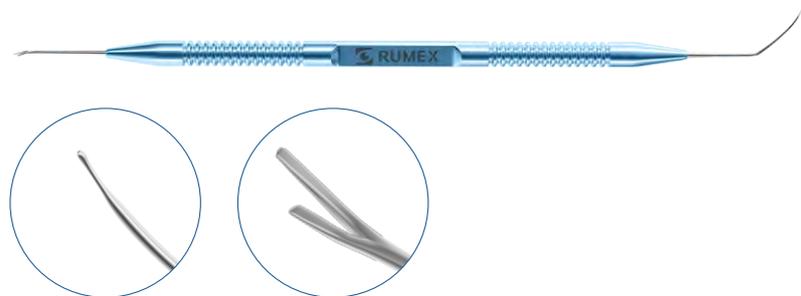
13-184



Tan Marginal DMEK Dissector

Double tipped end is designed for cutting the peripheral ends of donor Descemet's membrane without risk of radial tears occurrence. Curved single tipped end is used for convenient separation of the DM from the stroma.

13-185



Melles Style 1

DSAEK PLK Scraper

45 Degree angled tip
45 Degree angled shaft
11 mm from bend to tip
Round knurled handle
Overall length 125 mm
Titanium

13-154T



Melles Style 2

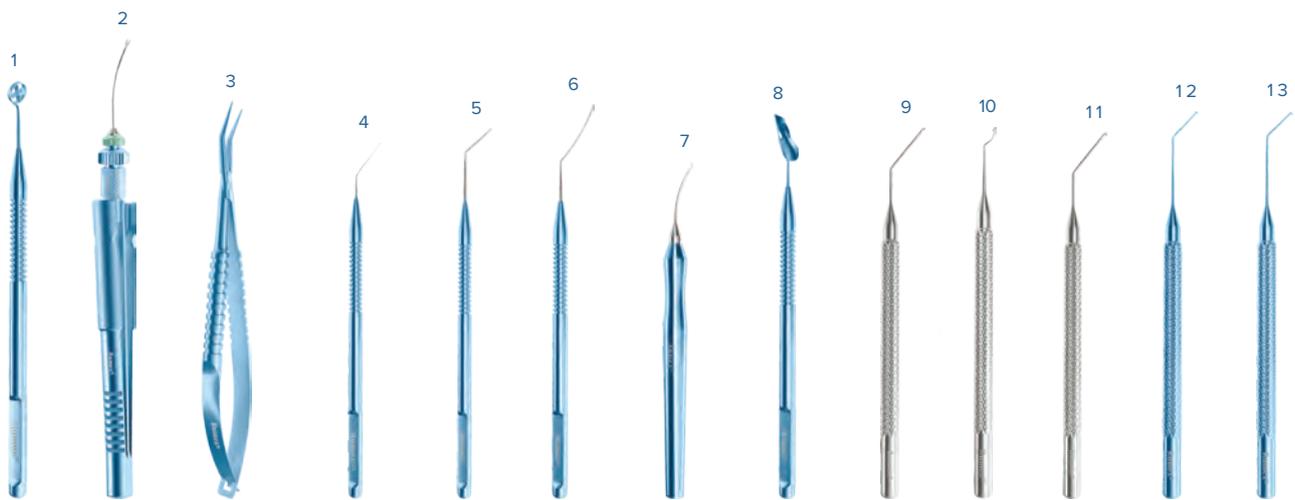
DSAEK PLK Scraper

90 Degree angled tip
45 Degree angled shaft
11 mm from bend to tip
Round knurled handle
Overall length 125 mm
Titanium

13-155T



DSEK, DSAEK, DMEK SET



Reference	Key Description
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3-0218T	1 Hoffer Optical Zone Marker, 8.50mm
4-034	2 Forceps for Corneal Endothelium Implantation
4-2019T	3 Corneal Donor Insertion Forceps
5-0322	4 Reversed Sinskey Hook
13-137	5 Corneal Dissector, Straight
13-138	6 Corneal Dissector, Curved
13-139/I	7 Endothelial Stripper, Irrigating

Reference	Key Description
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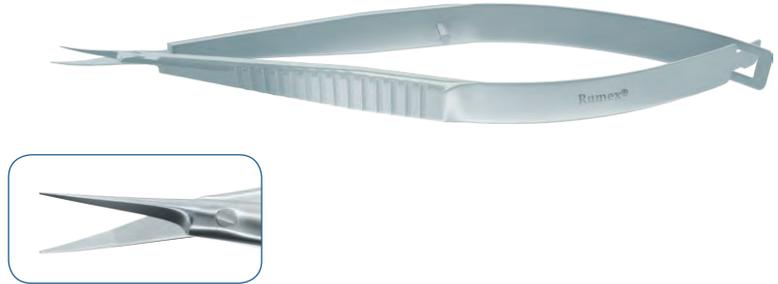
13-150T	8 Spatula-Guide for Corneal Endothelium Implantation
13-151S	9 Cindy Sweeper DSEK Spatula
13-152S	10 Carlson DSEK Smoother
13-153S	11 Terry DSEK Scraper
13-154T	12 Melles DSAEK PLK Scraper, Style 1
13-155T	13 Melles DSAEK PLK Scraper, Style 2

DALK

DALK Corneal Transplant Scissors

Blades with blunt ledge (Descemet's membrane protection)
Used to perform the superficial keratectasia (removal of superficial layers of corneal stroma).
Used to remove the 4 parts of separated stromal layers after the "Big Bubble" procedure.
Stainless Steel
Overall length 108 mm

11-038S right (shown)
11-0381S left



11-038S

Trisector for DALK Procedure

Flat 1.40×0.70 mm tip designed to finish any dissection during "Big Bubble" technique
The anterior surface has an edge that facilitates the enlarging of stromal opening with a blade
Facilitates separation the rest of stromal attachments from the Descemet's membrane at the periphery
Blunt bottom surface is safe for Descemet's membrane
Overall length 124 mm

13-170



Spatula for DALK Procedure

Flat 1×8 mm tip is designed to complete any unfinished dissection during "Big Bubble" technique
The center groove can be used as a guide for the blade facilitating the enlarging of stromal opening.
Blunt bottom surface is safe for Descemet's membrane
Overall length 122 mm

13-171



Dissector for DALK Procedure

This instrument is used at the beginning of "Big Bubble" procedure for creating a track in deep stroma for the further Cannula 15-450-27 inserting.
12mm length blunt beveled tip
Overall length 122 mm

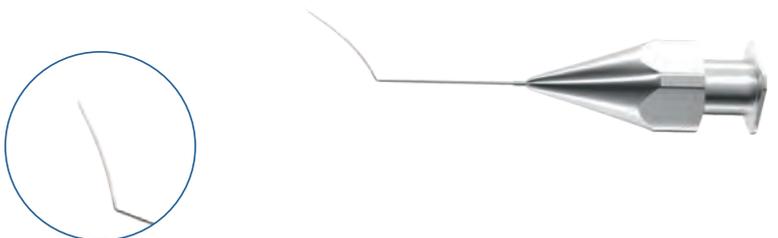
13-172



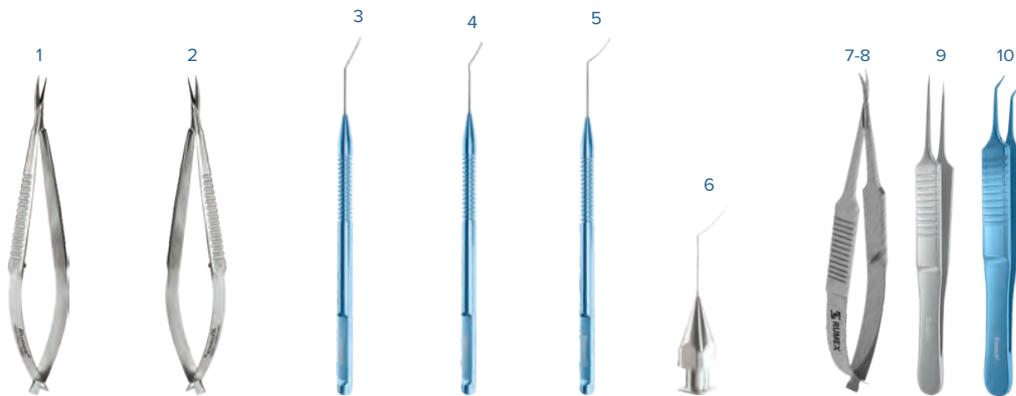
Cannula for DALK Procedure

0.20 mm port at the bottom
27 Gauge
Designed for air injection in order to achieve ideal "Big Bubble"
Stainless steel

15-450-27



DALK SET



Reference	Key Description
11-038S	1 Scissors for DALK Procedure, Right
11-0381S	2 Scissors for DALK Procedure, Left
13-170	3 Trisector for DALK Procedure
13-171	4 Spatula for DALK Procedure
13-172	5 Dissector for DALK Procedure

Reference	Key Description
15-450-27	6 Cannula for DALK Procedure, 27 Ga
11-134	7 Holland Spatulated DALK Scissors, Right
11-135	8 Holland Spatulated DALK Scissors, Left
4-178S	9 McPherson Tying Forceps, Straight, Stainless Steel
4-174T	10 McPherson Tying Forceps, Angled, Titanium

DLEK

DLEK Corneal Transplant Scissors

Long blades
 For the removal of the posterior corneal layers
 Overall length 102/110 mm
 Stainless Steel

11-036S medium curve
 11-0361S strong curve



11-036S

Manipulator for DLEK procedure

Designed to tuck the edges of the donor lamella 0.15 mm diameter tip
 Round handle
 Z-hook with Blunt Tip
 Overall Length 120 mm

13-160



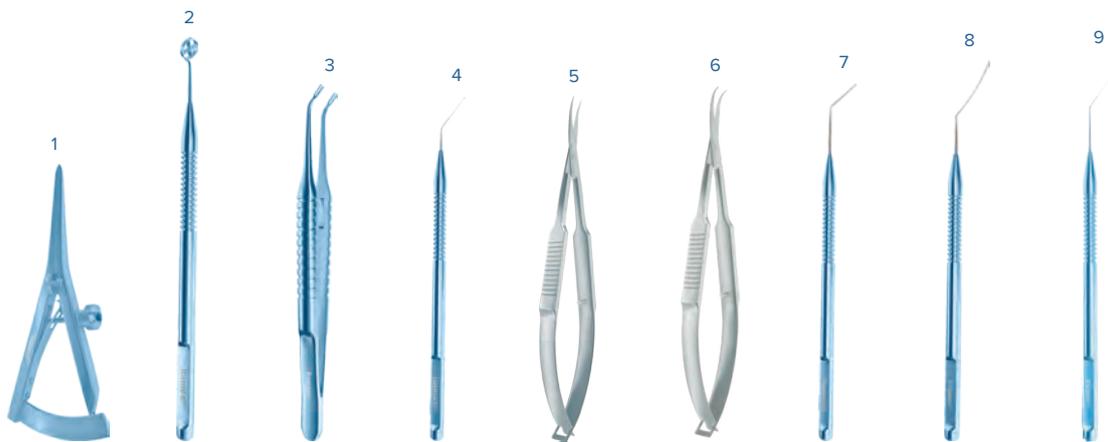
**Hoffer
 Optical Zone Marker**

With cross hairs
 Overall length 130 mm
 Titanium

- | | |
|-----------------|-----------------|
| 3-0201T 2.50 mm | 3-0211T 5.00 mm |
| 3-0202T 2.75 mm | 3-0212T 5.50 mm |
| 3-0203T 3.00 mm | 3-0213T 6.00 mm |
| 3-0204T 3.25 mm | 3-0215T 7.00 mm |
| 3-0205T 3.50 mm | 3-0216T 7.50 mm |
| 3-0206T 3.75 mm | 3-0217T 8.00 mm |
| 3-0207T 4.00 mm | 3-0218T 8.50 mm |
| 3-0208T 4.25 mm | 3-0219T 9.00 mm |
| 3-0209T 4.50 mm | 3-0220T 9.50 mm |
| 3-0210T 4.75 mm | |



DLEK SET



Reference	Key	Description
2-010T	1	Castroviejo Caliper
3-0217T	2	Hoffer Optical Zone Marker, 8.00mm
4-0814T	3	Pollack Corneal Transplantation Fixation Forceps
5-0322	4	Reversed Sinskey Hook
11-036S	5	DLEK Scissors, Medium Curve

Reference	Key	Description
11-0361S	6	DLEK Scissors, Strong Curve
13-137	7	Corneal Dissector, Straight
13-138	8	Corneal Dissector
13-160	9	Manipulator for DLEK procedure

GLAUCOMA

Harms

Trabeculotome

9 mm long pointed tips with 3 mm spread
Overall length 46 mm

16-012S left (shown)
16-013S right



Rumex

Corneoscleral Punch

Set of stainless steel tips:
0.50 mm
0.75 mm
1.00 mm
1.50 mm
Titanium handle
Overall length 110 mm

16-010



Kelly

Descemet's Membrane Punch

Creates precise 0.75 mm round hole without
tissue tags
Stainless steel tip
Serrated squeeze action handle
Titanium handle
Overall length 131 mm

16-011



Micro

Trabeculectomy Punch

0.60 mm diameter head
Bullet-shaped tip
0.30 mm × 0.60 mm deep bite
Compatible with Squeeze Handle (12-003T)

16-0111*



Curved Spatula

Overall length 122 mm

13-020 0.25 mm width, 12 mm length



Castroviejo

Double Ended Cyclodialysis Spatula

Overall length 136 mm

13-050 0.50 mm width, 10 & 15 mm length



**MOST
POPULAR**

Castroviejo

Suturing Forceps

Tying platform, 6 mm

Overall length 110/108/108 mm

Titanium or Stainless Steel

4-0600S 1x2 teeth, 0.12 mm

4-0600T 1x2 teeth, 0.12 mm



Moorfields

Suturing Forceps

For gripping the tissue, conjunctiva and Tenon's capsule

Grooved section, 13 mm

Overall length 110 mm

Titanium

4-2303T



**MOST
POPULAR**

Fechtner

Conjunctiva Forceps

Delicate ring tip jaws

Overall length 108 mm

Titanium

4-2301T Flat Handle



**MOST
POPULAR**

Westcott

Tenotomy Scissors

Curved

16 mm blades

Blunt tips

Overall length 120 mm

Stainless Steel

11-042S



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

**Westcott
Stitch Scissors**

Gently curved
13 mm blades
Sharp pointed tips
Overall length 115 mm
Stainless Steel

11-046S
11-047S

Flat Handle (shown)
Round Handle



**Westcott
Tenotomy Scissors**

Right
Curved
15 mm blades
Blunt tips
Overall length 116 mm
Stainless Steel

11-048S



**MOST
POPULAR**

**Barraquer
Iris Scissors**

8 mm blades
Blunt tips
Squeeze action handle
Overall length 54 mm
Stainless Steel

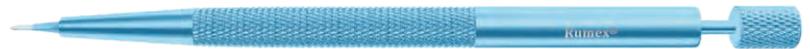
11-1223



**MOST
POPULAR**

**Universal Straight Side Port
Diamond Knife**

Straight titanium handle
Overall length 110 mm
Used for paracentesis



6-10/6-051
30° Single Edge
1.00 mm



6-10/6-053
Trifacet
1.00 mm

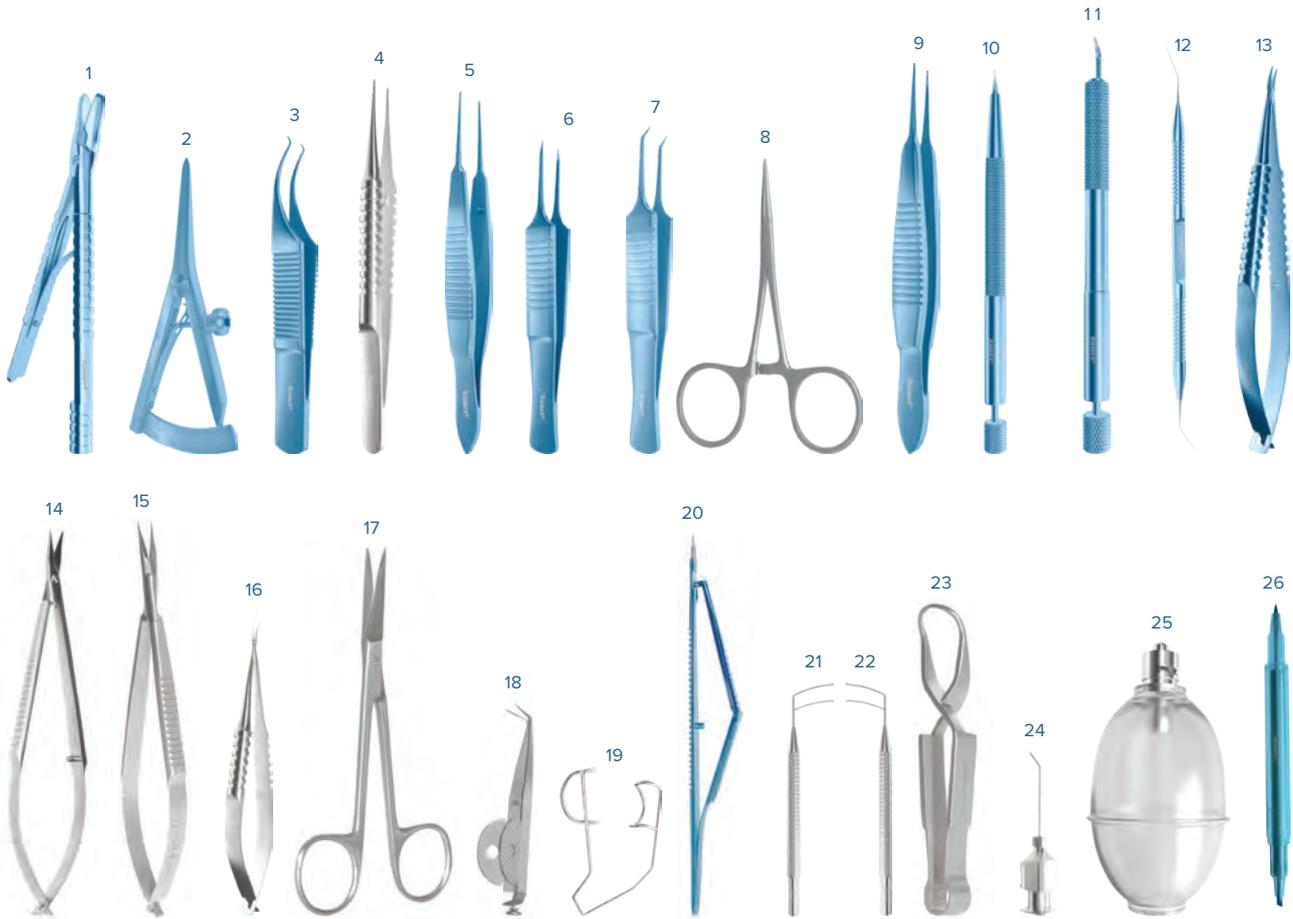
Diamond Knife for Flap Dissection

Straight titanium handle
Overall length 110 mm
Used for paracentesis



Facet-Free Crescent Blades
6-20/6-091 – 1.50 mm
6-20/6-092 – 2.00 mm

GLAUCOMA SET



Reference	Key Description
1-010T	1 Blade Holder
2-010T	2 Castroviejo Caliper
4-050T	3 Colibri Corneal Forceps, 0.12 mm, 1x2 Teeth
4-070S	4 Dressing Forceps With Delicate Serrations
4-0600T	5 Castroviejo Suturing Forceps, 0.12 mm 1x2 Teeth
4-171T	6 McPherson Straight Tying Forceps
4-090T	7 Kelman-McPherson Tying Forceps
4-120S	8 Hartman Mosquito Forceps, Straight
4-2301T	9 Fechtner Conjunctiva Forceps
6-10/6-053	10 Diamond Knife, Trifacet Blade, 1.00 mm
6-20/6-092	11 Diamond Knife, Crescent Blade, 2.00 mm
13-050	12 Castroviejo Double Ended Cyclodialysis Spatula
8-045T	13 Barraquer Needle Holder, Extra Fine Jaws
11-040S	14 Westcott Curved Tenotomy Scissors

Reference	Key Description
11-044S	15 Westcott Stitch Scissors
111-052S	16 Vannas Capsulotomy Scissors, Curved
11-080S	17 Iris Scissors, Straight
11-1223	18 Barraquer Iris Scissors
14-022S	19 Barraquer Wire Speculum, Adult Size
16-01 1	20 Kelly Descemet's Membrane Punch, 0.75mm Diameter
16-012S	21 Harms Trabeculotome, Left
16-013S	22 Harms Trabeculotome, Right
16-080S	23 Schaedel Towel Clamp
15-051-27	24 Rycroft Anterior Chamber Cannula, 27 Ga
15-301/303	25 Silicone Bulb With Adapter
20-050	26 Marking Pen
18-305*	Plastic Sterilizing Tray, Double Level, Large

* not shown

PTERYGIUM

Alger Brush

Pterygium Instrument

A complete set of a power handle and 1 diamond dusted burr
 For smoothing the surface of the cornea after the surgical removal of the tissue
 Battery operated power handle

- 16-051-2.5 with 2.5 mm round fine diamond dusted burr
- 16-050-3.5 with 3.5 mm round medium diamond dusted burr
- 16-050-5.0 with 5 mm disk shaped diamond burr



Diamond Burr

Replacement burrs with chucks for Alger Brush
 Pterygium power handle
 1 piece
 Diamond Dusted

- 16-051-2.5B – round 2.5 mm diameter
- 16-051-3.5B – round 3.5 mm diameter
- 16-052-5.0B – disk shaped 5.0 mm diameter

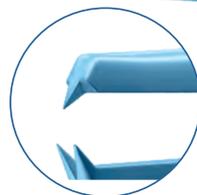


Castroviejo

Suturing Forceps

Tying platform, 6 mm
 Overall length 110/108/108 mm
 Titanium or Stainless Steel

- 4-0600S 1x2 teeth, 0.12 mm
- 4-0600T 1x2 teeth, 0.12 mm



**MOST
POPULAR**

Moorfields

Suturing Forceps

For gripping the tissue, conjunctiva and Tenon's capsule
 Grooved section, 13 mm
 Overall length 110 mm
 Titanium

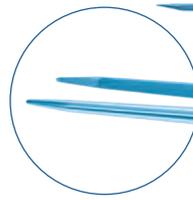
- 4-2303T



McPherson Tying Forceps

Straight
Tying platforms, 4 mm
Standard handle
Overall length 84 mm
Titanium or Stainless Steel

4-171T
4-171S

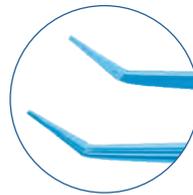


**MOST
POPULAR**

McPherson Tying Forceps

Angled
Long handle
Standard handle
Overall length 102/103/104/106 mm
Titanium

4-174T Tying Platform, 8 mm

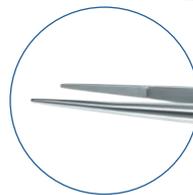


**MOST
POPULAR**

McPherson Tying Forceps

Straight
Tying platforms, 7 mm
Long handle
Overall length 110 mm
Stainless Steel

4-178S

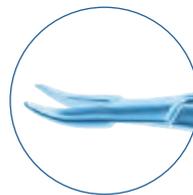


**MOST
POPULAR**

Barraquer Needle Holder

Curved
Extra fine jaws, 8 mm
Overall length 100 mm
Titanium

8-024T with lock
8-025T w/out lock (shown)



**MOST
POPULAR**

Barraquer Needle Holder

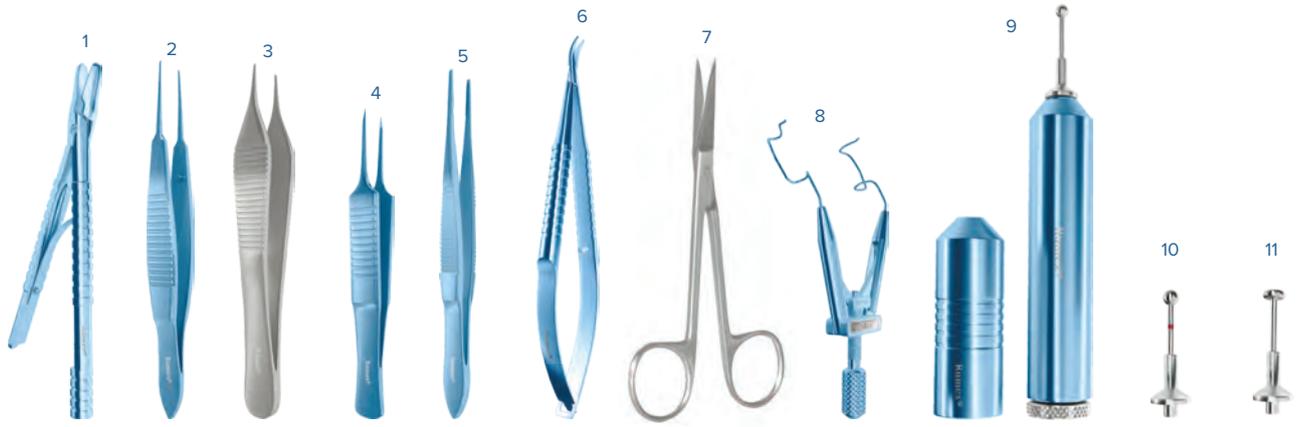
Curved
Standard jaws, 12 mm
Overall length 115 mm
Titanium

8-030T with lock
8-031T w/out lock (shown)



**MOST
POPULAR**

PTERYGIUM SET



Reference	Key	Description
1-010T	1	Blade Holder
4-0600T	2	Castroviejo Suturing Forceps, 0.12 mm 1x2 Teeth
4-0741S	3	Adson Fixation Forceps, 0.50 mm 1x2 Teeth
4-171T	4	McPherson Straight Tying Forceps
4-2300T	5	Bonaccolto Conjunctiva Forceps
8-031T	6	Barraquer Needle Holder, Curved
11-080S	7	Straight Iris Scissors

* not shown

Reference	Key	Description
14-040T	8	Lieberman Temporal Speculum
16-051-2.5	9	Power Handle with 2.50 mm Diamond Dusted Burr Round Shaped
16-051-3.5B	10	Diamond Dusted Burr 3.50 mm Diameter Disk Shaped
16-052-5.0B	11	Diamond Dusted Burr 5.00 mm Diameter Disk Shaped
18-304*	12	Plastic Sterilizing Tray, Single Level, Large

DACRYOCYSTORHINOSTOMY

Bowman Lacrimonal Probe

Overall length 133 mm



9-010S - size 0000 & 000
 9-011S - size 00 & 0
 9-012S - size 1 & 2

9-013S - size 3 & 4
 9-014S - size 5 & 6
 9-015S - size 7 & 8

Quickert Lacrimonal Intubation Probe

Overall length 140 mm

9-021S - size 0
 9-023S - size 2
 9-024S - size 3



Pigtail Lacrimonal Probe

8 mm pigtail curved probes with holes
 Round serrated handle
 Polished tip
 Overall length 145 mm

9-031



Wilder Lacrimonal Dilator

Blunt polished tip
 Round knurled handle
 Overall length 100 mm
 Titanium

9-050T- size 1 (19 mm)
 9-051T- size 2 (23 mm)
 9-052T- size 3 (32 mm)



Castroviejo Double Ended Lacrimonal Dilator

Polished tip
 Round knurled handle
 Overall length 100 mm
 Titanium

9-060T- size 1 & 2



DCR Set

Silicone tubing length 30 cms (12")
 Tubing dimensions 0.5mm (.020") x 0.95mm (.037")
 Stainless steel probes

21-R7011 20 Ga x 45 mm (1 3/4"), Straight



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

DACRYOCYSTORHINOSTOMY

Stevenson Lacrimal Sac Retractor

Curved 2 mm x 3 mm teeth
Blades separated 25 mm
Screw opening
Overall length 83 mm

10-013



Knapp Lacrimal Sac Retractor

Blunt 4 mm x 8 mm four prong tip
Round serrated handle
Overall length 140 mm

10-014



Nasal Speculum Polished finish

Stainless steel

16-127 Adult Size



Surgical Mallet Polished finish

Stainless steel

16-135



Kerrison Rongeur

3 mm wide
9 mm opening
Polished finish
Stainless steel

16-136 size 0



Belz Lacrimal Sac Rongeur

Polished finish
Stainless steel

16-138



LACRIMAL SET



Reference	Key	Description
1-010T	1	Blade Holder
4-071S	2	Dressing Forceps, 12 mm Serrated Tips
4-2300T	3	Bonaccolto Utility Forceps
4-0601T	4	Castroviejo Suturing Forceps, .3 mm 1x2 Teeth
4-122S	5	Halsted Mosquito Forceps, Straight
8-031T	6	Barraquer Needle Holder, Medium
9-010S	7	Bowman Lacrimal Probe, Size 0000-000
9-012S*	9	Bowman Lacrimal Probe, Size 1-2
9-013S*	10	Bowman Lacrimal Probe, Size 3-4
9-014S*	11	Bowman Lacrimal Probe, Size 5-6
9-021S	13	Quickert Lacrimal Intubation Probe, Size 0
9-031	14	Pigtail Lacrimal Probe
9-050T	15	Wilder Lacrimal Dilator, Size 1
9-060T	18	Castroviejo Double-Ended Lacrimal Dilator, Size 1 & 2

Reference	Key	Description
10-013	19	Stevenson Lacrimal Sac Retractor
10-014	20	Knapp Lacrimal Sac Retractor
11-080S	21	Straight Iris Scissors
11-125S	22	Westcott Type Stitch Scissors
11-132S	23	Stevens Scissors, Curved
15-029	25	Lacrimal Cannula, Reinforced, Curved
15-301/303	28	Silicone Bulb With Adapter
16-081S	29	Towel Forceps
16-127	30	Nasal speculum, adult size
16-135	31	Surgical Mallet, Polished Finish
16-136	32	Kerrison Rongeur, Size 0
16-138	33	Belz Lacrimal Sac Rongeur
21-R701 1	34	DCR Set – Straight 4.5 cm
18-305*	35	Plastic Sterilizing Tray, Double Level, Large

* not shown

LID SURGERY

Desmarres

Lid Retractor

Round serrated handle
Overall length 130 mm

10-020 - size 0–11 mm

10-021 - size 1–13 mm (shown)

10-022 - size 2–15 mm

10-023 - size 3–17 mm



Lid Plate

20 mm and 24 mm wide
Nonreflective surface
Overall length 110 mm
Stainless steel or titanium

16-50S (shown)

16-50T



Putterman

Lid Clamp

6 Pins

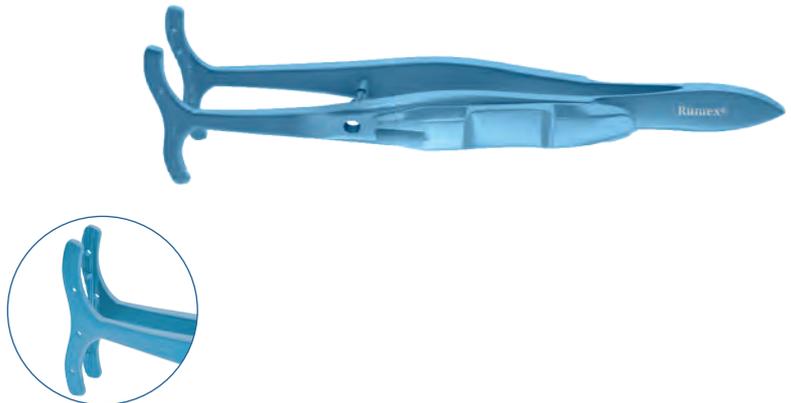
Serrated jaws

Sliding lock

Overall length 100 mm

Titanium

4-140T



MEIBOMIAN GLAND DYSFUNCTION

Compressing Lid Forceps

Physical expression of dysfunctional meibomian glands has the goal of removing gland obstruction

This instrument obtains quick and delicate meibum expression by equal compressing of the eyelid from the internal and the external sides.

Overall length 112 mm

Titanium

4-1913 T



Compressing Lid Forceps with atraumatic rollers

Designed for mechanical meibum removal from lids.

Texturized rollers are safe for the conjunctiva and obtain quick and equally squeezing of the eyelid from its base to the margin.

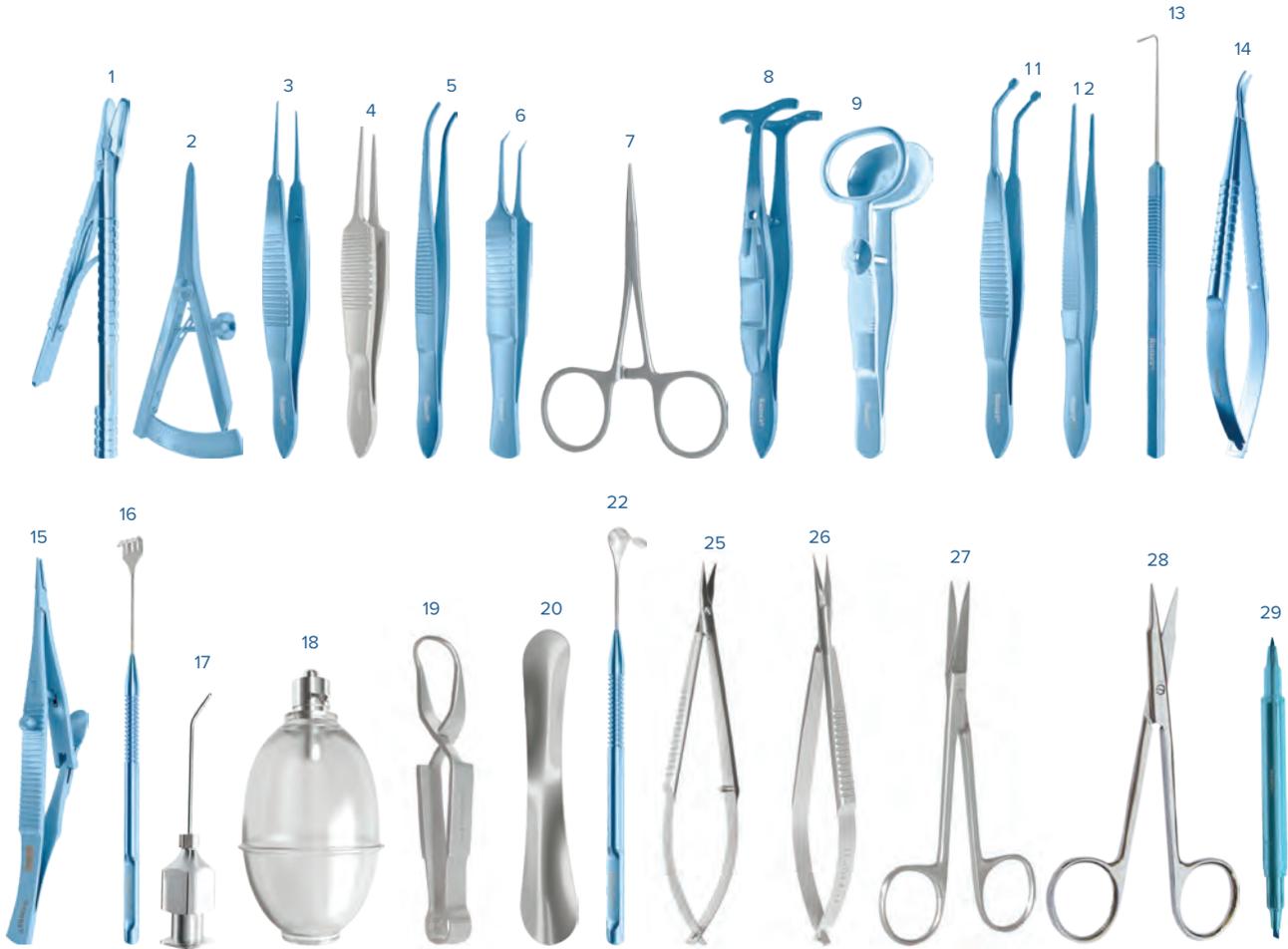
Overall length 112 mm

Stainless steel

4-124S



LID SURGERY SET



Reference	Key	Description
1-010T	1	Blade Holder
2-010T	2	Castroviejo Caliper
4-0601T	3	Castroviejo Suturing Forceps, 0.30 mm 1x2 Teeth
4-0607S	4	Bishop-Harmon Suturing Forceps, 0.30 mm 1x2 Teeth
4-072T	5	Dressing Forceps With 12 mm Serrated Tips
4-090T	6	Kelman-McPherson Tying Forceps
4-120S	7	Hartman Mosquito Forceps, Straight, Short
4-140T	8	Putterman Type Lid Clamp
4-1906T	9	Desmarres Chalazion Forceps, Large
4-1912T*		Desmarres Chalazion Forceps, Medium
4-124S*	10	Compressing Lid Forceps
4-1913T	11	Compressing Lid Forceps (MGD), Curved, Titanium
4-2300T	12	Bonaccolto Utility Forceps
5-042	13	Graefe Muscle Hook, Size 2
8-031T	14	Barraquer Needle Holder, Medium

* not shown

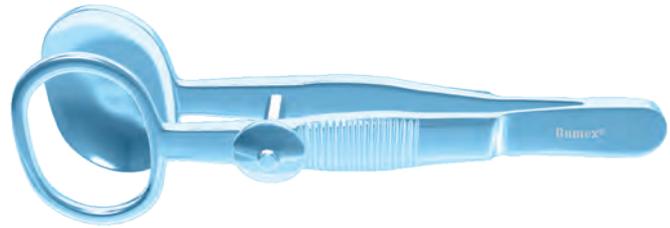
Reference	Key	Description
8-080T	15	Kalt Needle Holder
10-014	16	Knapp Lacrimal Sac Retractor
15-055-19	17	Bishop Harmon AC Cannula
15-301/303	18	Silicone Bulb With Adapter
16-080S	19	Schaedel Towel Clamp
16-50S	20	Lid Plate, Stainless Steel
10-020*	21	Desmarres Lid Retractor, Size 0
10-021	22	Desmarres Lid Retractor, Size 1
10-022*	23	Desmarres Lid Retractor, Size 2
10-023*	24	Desmarres Lid Retractor, Size 3
11-040S	25	Westcott Tenotomy Scissors, Blunt Tips
11-044S	26	Westcott Stitch Scissors, Sharp Tips
11-080S	27	Straight Iris Scissors
11-133S	28	Stevens Tenotomy Scissors, Straight
20-050	29	Marking Pen
18-305*	30	Plastic Sterilizing Tray, Double Level, Large

CHALAZION

Desmarres Chalazion Forceps

Solid lower plate, open upper plate
Locking thumb screw mechanism
Overall length 96/90/92 mm
Titanium

4-1906T Large Size 31×20mm
4-1907T Small Size 20×13mm
4-1912T Medium Size 24×16mm



Lambert

Chalazion Forceps

Round solid lower plate, open upper plate
Locking thumb screw mechanism
Overall length 92/97 mm
Titanium

4-1908T small
(8 mm ID of the upper plate)

4-1909T medium
(12 mm ID of the upper plate (shown))



Meyerhoefer

Chalazion Curette

16-063 - size 0–1.50 mm
16-064 - size 1–1.75 mm
16-065 - size 2–2.00 mm
16-066 - size 3–2.50 mm
16-067 - size 4–3.50 mm



CHALAZION SET



Reference	Key	Description
1-020S	1	Bard Parker Handle
4-1906T	2	Desmarres Chalazion Forceps, Large
4-1912T*	3	Desmarres Chalazion Forceps, Medium
4-1908T	4	Lambert Chalazion Forceps, Small
4-1909T	5	Lambert Chalazion Forceps, Medium

Reference	Key	Description
16-063*	6	Meyerhoefer Chalazion Curette, Size 0
16-064*	7	Meyerhoefer Chalazion Curette, Size 1
16-065*	8	Meyerhoefer Chalazion Curette, Size 2
16-066	9	Meyerhoefer Chalazion Curette, Size 3
16-067*	10	Meyerhoefer Chalazion Curette, Size 4
16-50S	11	Lid plate
18-304*	12	Plastic Sterilizing Tray, Single Level, Large

* not shown

STRABISMUS

Jameson Muscle Forceps

11 mm from tip to angle
6 teeth
Slide lock
Overall length 100 mm
Stainless Steel

4-130S Left
4-131S Right



Osher Superior Rectus Forceps

Curved with 1x2 teeth, 0.50 mm
Angled shafts
10 mm from tip to angle
Overall length 107 mm
Stainless Steel

4-136S



Jameson Muscle Hook

Flat hook
Bulbous tip
Overall length 135 mm

5-040 Standard (2 mm tip, 9.50 mm hook)
5-0401 Small (1.50 mm tip, 8 mm hook)



Graefe

Flat hook

Overall length 140 mm

5-041 Size 1 (1 mm tip, 8 mm hook)
5-042 Size 2 (1.50 mm tip, 10 mm hook)



Scobee Oblique Muscle Hook

Curved shaft
4.50 mm flat hook
Overall length 140 mm

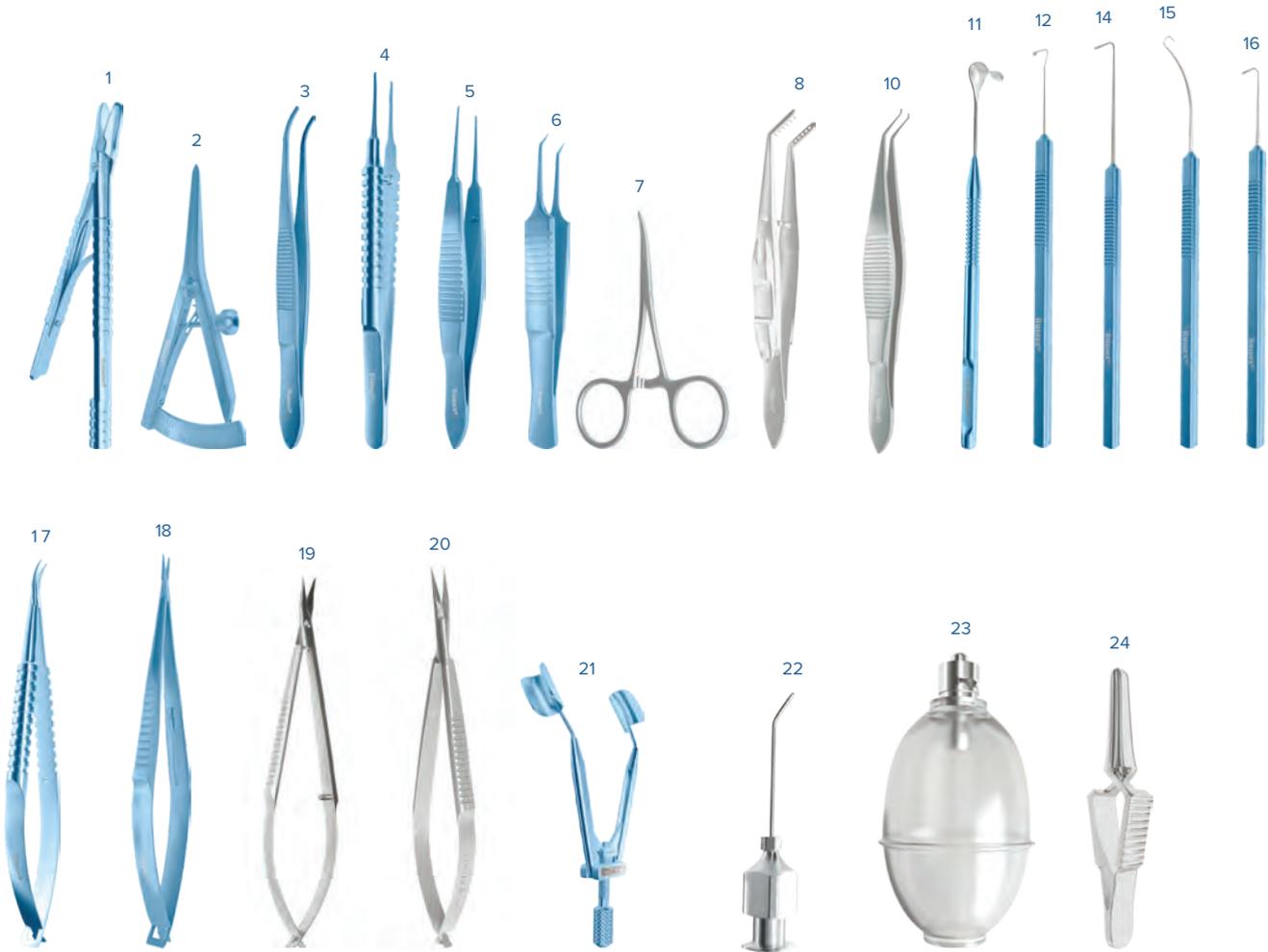
5-061



Stevens
Tenotomy Hook
 6 mm curved hook
 Overall length 120 mm
 5-062



MUSCLE SET



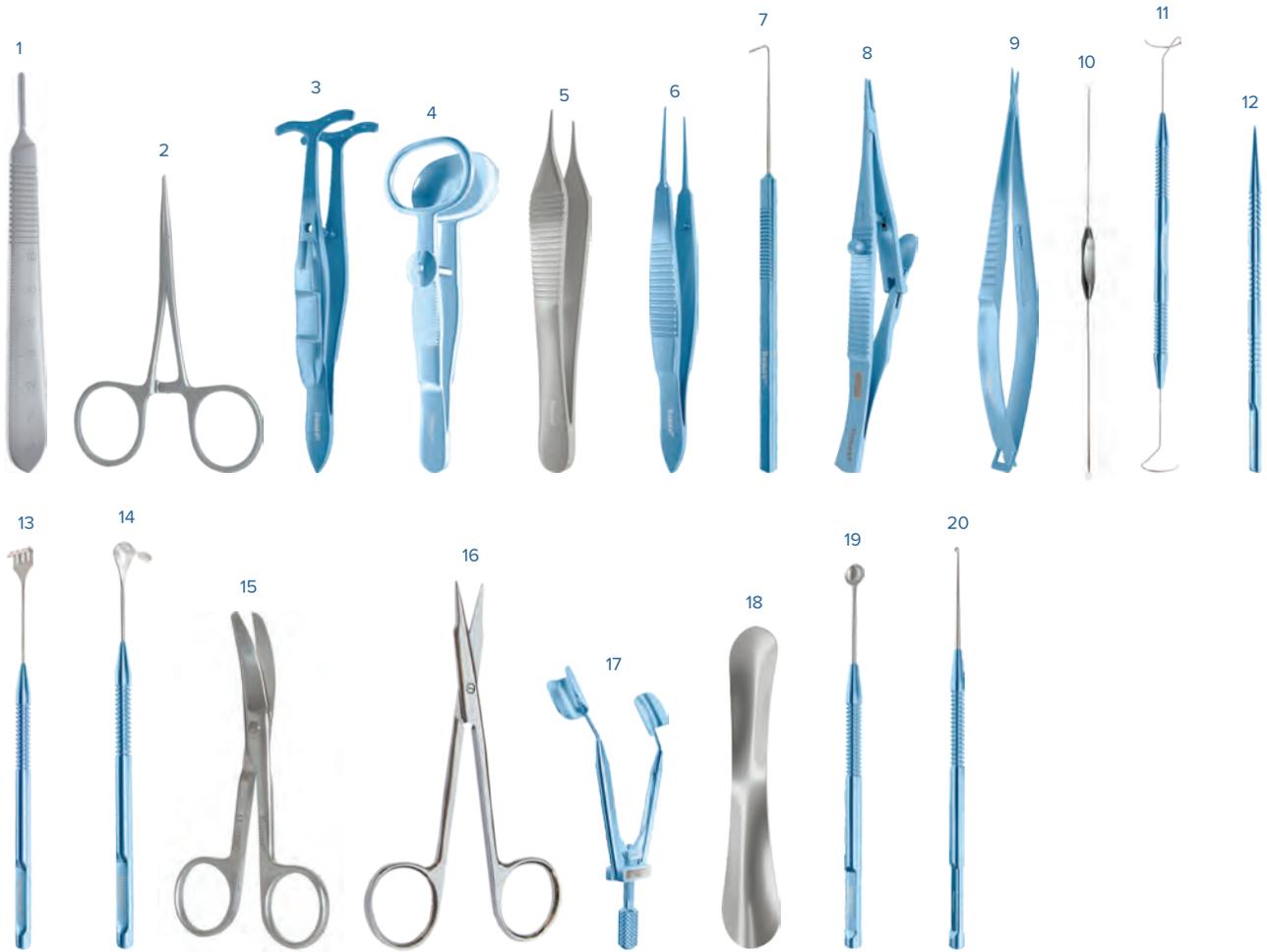
Reference	Key	Description
1-020S	1	Bard Parker Handle
2-010T	2	Castroviejo Caliper
4-072T	3	Dressing Forceps With 12 mm Serrated Tips
4-0551T	4	Corneal Forceps, Bonn-Catalano Type
4-0602T	5	Castroviejo Suturing Forceps, 0.50 mm 1x2 Teeth
4-090T	6	Kelman-McPherson Tying Forceps
4-121S	7	Hartman Mosquito Forceps, Curved, Short
4-130S	8	Jameson Muscle Forceps, Left
4-131S*	9	Jameson Muscle Forceps, Right
4-136S	10	Osher Superior Rectus Forceps
10-022	11	Desmarres Lid Retractor, Size 2
5-040	12	Jameson Muscle Hook, 2.00 mm Bulbous Tip

Reference	Key	Description
5-042	14	Graefe Muscle Hook, Size 2
5-061	15	Scobee Oblique Muscle Hook, Curved
5-062	16	Stevens Curved Tenotomy Hook
8-090T	17	Barraquer Needle Holder, Curved, w/lock
8-0921T	18	Castroviejo Needle Holder, Straight, w/lock
11-040S	19	Westcott Tenotomy Scissors, Blunt Tips, 13 mm Blades
11-044S	20	Westcott Stitch Scissors, Sharp Tips, 16 mm Blades
14-0601T	21	Kershner Reversible Solid Blade Speculum
15-055-19	22	Bishop Harmon AC Cannula
15-301/303	23	Silicone Bulb With Adapter
16-090S	24	Serrefine, Straight
18-305*	25	Plastic Sterilizing Tray, Double Level, Large

* not shown

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

OCULOPLASTIC SET



Reference	Key	Description
1-020S	1	Bard Parker Handle
4-120S	2	Hartman Mosquito Forceps, Straight, Short
4-140T	3	Putterman Type Lid Clamp
4-1906T	4	Desmarres Chalazion Forceps, Large
4-0741S	5	Adson Fixation Forceps, 0.50 mm 1x2 Teeth
4-0822T	6	Castroviejo Fixation Forceps, 0.50 mm 1x2 Teeth
5-042	7	Graefe Muscle Hook, Size 2
8-080T	8	Kalt Needle Holder
8-0921T	9	Castroviejo Needle Holder, straight, w/lock
9-012S	10	Bowman Lacrimal Probe, Size 1-2
9-031	11	Pigtail Lacrimal Probe

Reference	Key	Description
9-050T	12	Wilder Lacrimal Dilator, Size 1
10-014	13	Knapp Lacrimal Sac Retractor
10-022	14	Desmarres Lid Retractor, Size 2
11-090S	15	Curved Enucleation Scissors, Short
11-133S	16	Stevens Tenotomy Scissors, Straight
14-0601T	17	Kershner Reversible Solid Blade Speculum
16-50S	18	Lid Plate, Stainless Steel
16-061	19	Bunge Evisceration Spoon, Small
16-066	20	Meyerhoefer Chalazion Curette, Size 3
18-305*	21	Plastic Sterilizing Tray, Double Level, Large

* not shown

ENUCLEATION / EVISCERATION

Orbital Globe

Retractor-Elevator

Double ended 10 mm wide and 14 mm wide ends
Thin ribbon retractor with a gentle "S" curve
Overall length 180 mm
Titanium

10-034T



Wells

Enucleation Spoon

Round knurled handle
Overall length 130 mm
16-060



Bunge

Evisceration Spoon

Round knurled handle
Overall length 130 mm
16-061 small size
16-062 large size



Enucleation Scissors

Curved
Blunt tips
Ring handle
Overall length 110/148 mm
Stainless Steel

11-090S medium size, 33 mm blades (shown)
11-091S large size, 48 mm blades



Knapp

Strabismus Scissors

Ring handle
Overall length 125 mm
Stainless Steel

11-100S Straight (shown)
11-101S Curved



ENUCLEATION / EVISCERATION SET



Reference	Key	Description
4-0741S	1	Adson Fixation Forceps, 0.50 mm 1×2 Teeth
4-123S	2	Halsted Mosquito Forceps, Curved
5-042	3	Graefe Muscle Hook, Size 2
11-090S	4	Curved Enucleation Scissors, Short
11-101S*	5	Knapp Curved Strabismus Scissors

* not shown

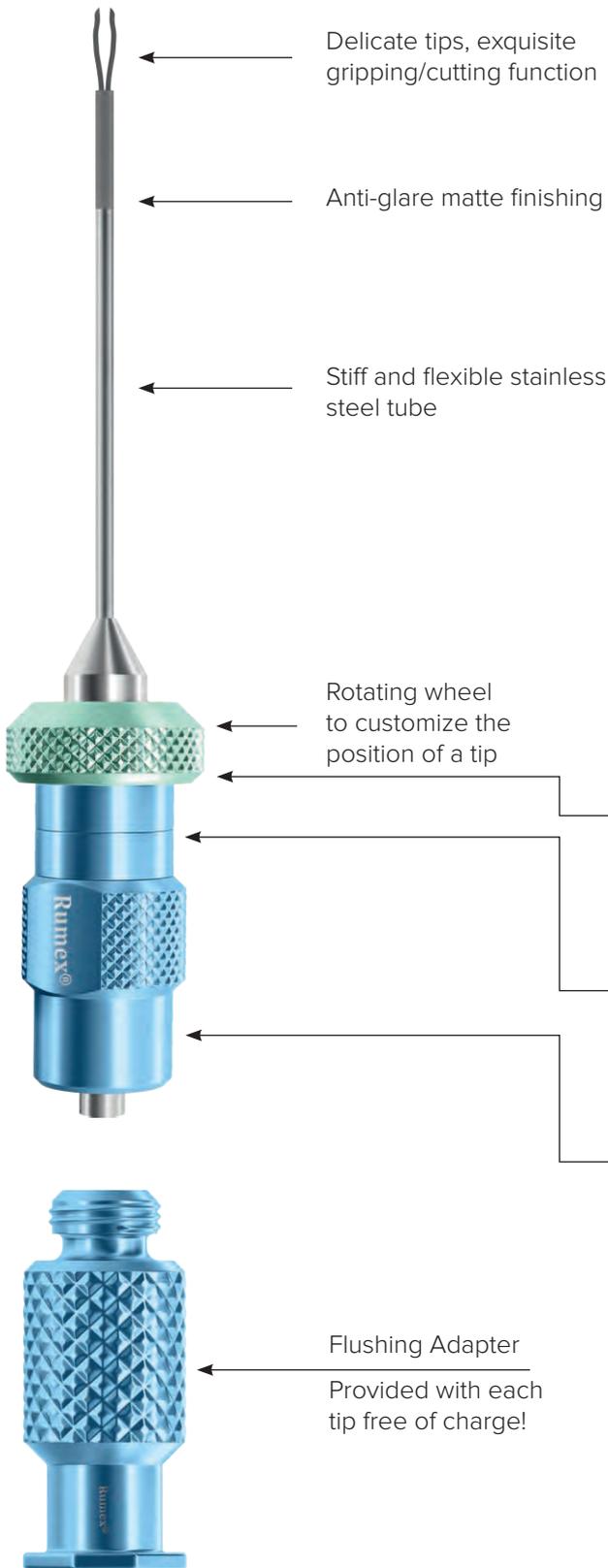
Reference	Key	Description
14-040T	6	Lieberman Temporal Speculum
16-060	7	Wells Enucleation Spoon
16-062	8	Bunge Evisceration Spoon, Large
18-304*	9	Plastic Sterilizing Tray, Single Level, Large

VITREORETINAL INSTRUMENTS, CONSUMABLES AND SETS

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VITREORETINAL INSTRUMENT TIPS: GAUGE CONVERSION CHART, COLOR CODE SYSTEM

We offer various models of vitreoretinal tips that can be adjusted to Universal Handles (12-001T or 12-003T).*



Gauge Conversion Chart		
Gauge	(inch)	(mm)
19 Ga	0.043	1.10
20 Ga	0.036	0.90
21 Ga	0.032	0.80
22 Ga	0.028	0.70
23 Ga	0.025	0.63
24 Ga	0.022	0.55
25 Ga	0.020	0.50
26 Ga	0.018	0.45
27 Ga	0.016	0.40
28 Ga	0.014	0.36
29 Ga	0.013	0.33
30 Ga	0.012	0.30

Color Code System**

The new color code system has been introduced to facilitate the identification of vitreoretinal tips, their function and size.

Function	
Pink	Scissors
Green	Forceps
Gauge	
Grey	17
Pink	20
Green	23
Blue	25
Yellow	27
COMPATIBILITY (adjustable to handles)	
Pink	12-001T
Blue	12-001T / 12-003T

Manual Cleaning

Proper manual cleaning of the instrument is necessary to preserve its working condition. Rumex manufactures interchangeable microincisional and vitreoretinal instruments to help you clean the tips separately from the handle and expand its useful lifespan.

*Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

HANDLES FOR VITREORETINAL INSTRUMENTS*

Rumex International Co is pleased to provide you with two models of Universal Handles that can be used with interchangeable tips.*

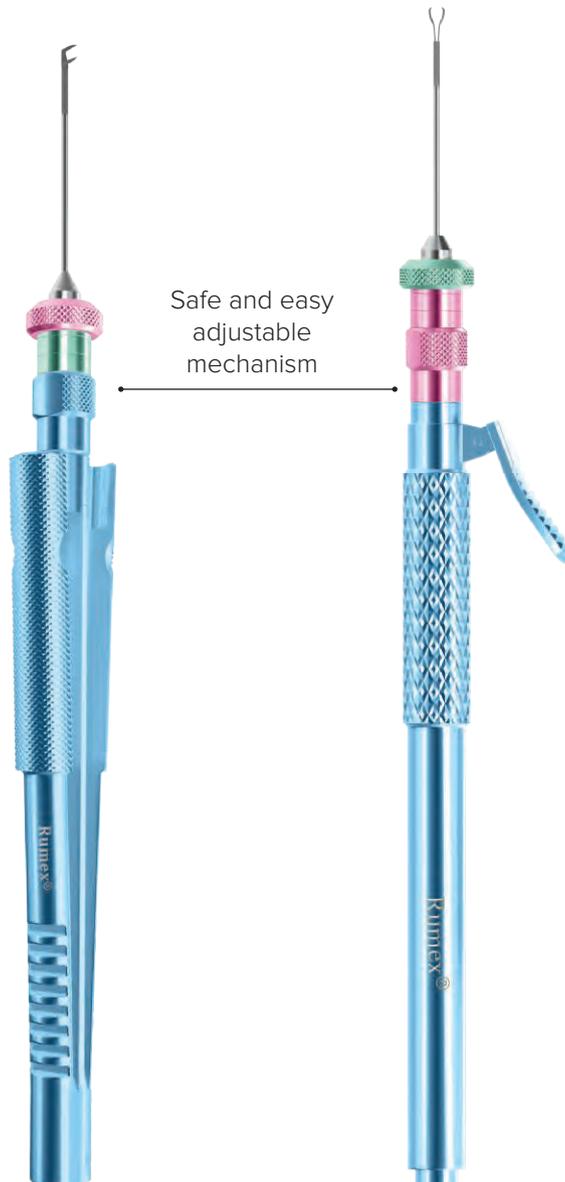
- Made of titanium
- Corrosion resistant
- Can be used with tips of any gauge 20/23/25/27 (and other gauges)

Ergonomic Model

Two Fingers Control
Squeeze Handle

12-003T

- Two fingers linear actuation
- Ergonomic handle with specially designed gripping area for amplified control over the instrument
- Optimal diameter round handle allows 360° rotation
- Non compatible with the following tips: 12-206, 12-313, 12-321, 12-335, 12-412



Classic Model

One Finger Control
Handle

12-001T

- One finger linear actuation
- Classic design approved by decades of work
- Compatible with all models of tips

Adjustable screw mechanism (to customize the opening of branches before manipulation)

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Tips are sold separately!

SCISSORS*

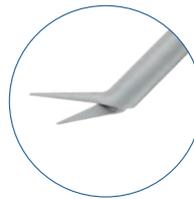
Designed for cutting membranes and junction zones of the proliferative tissue



MOST POPULAR
Vertical Scissors

70 Degrees
Sharp tips

12-202 20 Ga
12-202-23 23 Ga



COMPATIBLE WITH 12-003T ONLY
Horizontal Scissors

55 Degrees
12-206 20 Ga



Klaus Lucke
Retinotomy Scissors

With bulbous tip
12-2020 20 Ga



Horizontal Scissors

Angled
45 Degrees
Regular blades (2.20 mm in the closed position)
12-208 20 Ga



Vertical Scissors

45 Degrees
12-2029 25 Ga



Horizontal Scissors

Angled
45 Degrees
Short blades (1.70 mm in the closed position)
12-2085 20 Ga



Straight Scissors

Blunt tips
12-211 20 Ga



MOST POPULAR
Curved Subretinal Scissors

Curvature radius 12 mm
12-209 20 Ga
12-209-23 23 Ga
12-2099 25 Ga



Side Curved Scissors

12-215 20 Ga



Horizontal Scissors

Angled
45 Degrees
With illumination
12-2084 20 Ga

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.
*Handles are sold separately: 12-003T and 12-001T.

EPIRETINAL FORCEPS*

- Strengthened jaws for the removal of epiretinal membranes
- Gripping function is enhanced by diamondized / serrated platform or nail shaped jaws



MOST ERM POPULAR
Gripping Forceps

With a diamond dusted platform

12-301	20 Ga
12-301-23	23 Ga
12-3019	25 Ga



ERM
End Gripping Forceps

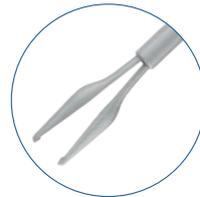
With serrated micro jaws

12-400	20 Ga
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ERM
Lucke Multipurpose Forceps

12-3044	20 Ga
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ERM
End Gripping Forceps

With extended gripping area at the end of the tip

12-401	20 Ga
12-4012	23 Ga



MOST POPULAR
Gripping Forceps

With a "crocodile" Platform

12-304	20 Ga
NEW 12-304-23	23 Ga
NEW 12-304-25	25 Ga



ERM
End Gripping Forceps

With nail shaped jaws

12-402	20 Ga
12-402-23	23 Ga
12-4089	25 Ga

Designed for the removal of epiretinal membranes. Blunt, atraumatic serration intensifies grasping capacity and prevents tissue shredding.

ERM

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Handles are sold separately: 12-003T and 12-001T.

INTERNAL LIMITING MEMBRANE (ILM) FORCEPS

Delicate branches for ILM peeling



MOST POPULAR ILM



End Grasping Forceps

Standard branches,
28 mm tube (23 Ga)

12-420-23	23 Ga
12-420-25	25 Ga
12-420-27	27 Ga

Elongated branches,
30 mm tube
Designed for myopic eyes

12-4202-23	23 Ga
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Enhanced visualization!



MOST POPULAR ILM

Eckardt End Gripping Forceps

12-410	20 Ga
12-410-23	23 Ga
12-410-25	25 Ga
12-410-27	27 Ga

ILM

Tano Asymmetrical End Gripping Forceps

12-411	20 Ga
12-411-23	23 Ga
12-411-25	25 Ga



Universal End Grasping Forceps allows the performing of ILM peeling and safe removal of epiretinal membranes. Asymmetrical design of branches provides for ideal maneuverability and excellent visualization of the grasped tissue.

NEW ILM



End Grasping Forceps

Expanded space
between branches

12-4013	23 Ga
---------	-------

Enhanced visualization!



Tanaka Maculorhexis Forceps

12-414	23 Ga
--------	-------

The special design of the tips promotes delicate, precise and safe ILM peeling. The strengthened jaws ensure enhanced gripping power. Expanded space between branches contributes to greater visualization of the grasped membrane in the macular area.



Kawai ILM Forceps

12-415	25 Ga
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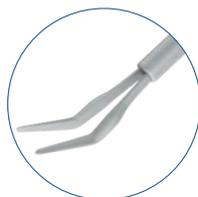
Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Handles are sold separately: 12-003T and 12-001T.

PICK / SUBRETINAL FORCEPS*



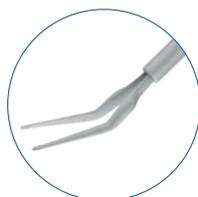
Pick Forceps
 12-325 20 Ga
 12-325-23 23 Ga
 12-3259 25 Ga



Diamondized Angled Gripping Forceps
 12-303 20 Ga



De Juan Pick Forceps
 12-413 20 Ga

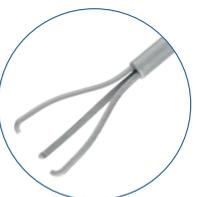


Subretinal Forceps
 3 mm tips
 12-343 20 Ga

FOREIGN BODY REMOVAL FORCEPS*



COMPATIBLE WITH 12-001T ONLY
Avcı Foreign Body Forceps
 12-412 17 Ga



MOST POPULAR
Spring Gripping Forceps
 12-321 20 Ga
 12-321-23 23 Ga



COMPATIBLE WITH 12-001T ONLY
Vitreoretinal Forceps
 With cup jaws
 12-313 20 Ga

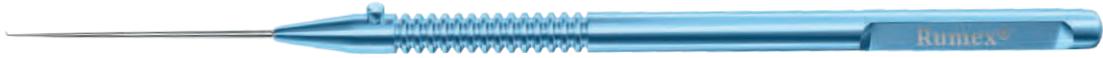


COMPATIBLE WITH 12-001T ONLY
Stolyarenko Forceps
 For large foreign bodies
 12-335 20 Ga

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Handles are sold separately: 12-003T and 12-001T.

MEMBRANE INSTRUMENTS

**MOST
POPULAR****Delicate Membrane
Pick**

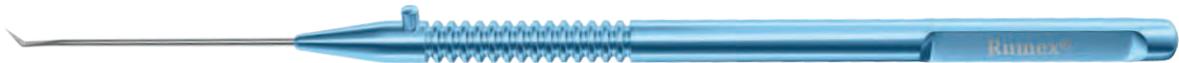
13-097-23	23 Ga
13-0979	25 Ga
13-097-27	27 Ga

**Membrane Scratcher**

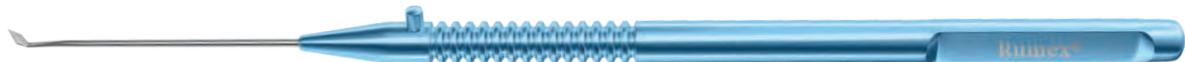
13-092	20 Ga
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**Membrane Spatula**

13-084	20 Ga
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**Ogura PVD Spatula**

13-1081-23	23 Ga
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**BRVO Knife**

Designed for performing
a lateral CRVO incision

13-1091	20 Ga
13-1091-23	23 Ga

23 GAUGE*



MOST POPULAR ILM

Eckardt End Gripping Forceps

12-410-23 23 Ga



ILM

End Grasping Forceps

Elongated branches, 30 mm
Designed for myopic eyes
12-4202-23 23 Ga

Enhanced visualization!



ILM

Tano Asymmetrical End Gripping Forceps

12-411-23 23 Ga



ILM

End Grasping Forceps

Expanded space between branches
12-4013 23 Ga

Enhanced visualization!



ILM

End Grasping Forceps

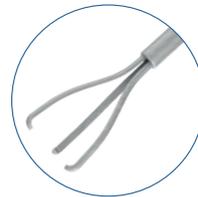
12-420-23 23 Ga

Enhanced visualization!



Vertical Scissors

70 Degrees Sharp tips
12-202-23 23 Ga



Spring Gripping Forceps

12-321-23 23 Ga



MOST POPULAR

Curved Subretinal Scissors

Curvature radius 12 mm
12-209-23 23 Ga



Pick Forceps

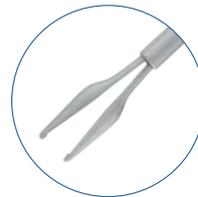
12-325-23 23 Ga



ERM

Gripping Forceps

With a diamond dusted platform
12-301-23 23 Ga



End Gripping Forceps

With extended gripping area at the end of the tip
12-4012 23 Ga



MOST POPULAR ERM

Gripping Forceps

With a "crocodile" platform
12-304-23 23 Ga



End Gripping Forceps

With nail shaped jaws
12-402-23 23 Ga

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Handles are sold separately: 12-003T and 12-001T.

ONE-PIECE INSTRUMENTS: TIP WITH HANDLE



ILM

Eckardt End Gripping
Forceps

12-410-23H 23 Ga



ERM

Gripping Forceps

With a diamond dusted
platform

12-301-23H 23 Ga



ILM

Tano Asymmetrical
End Gripping Forceps

12-411-23H 23 Ga



ERM

Gripping Forceps

With a "crocodile" platform

12-304-23H 23 Ga



ILM

End Grasping Forceps

12-420-23H 23 Ga



Pick Forceps

12-325-23H 23 Ga



ILM

End Grasping Forceps

Expanded space
between branches

12-4013H 23 Ga

Enhanced visualization!



MOST POPULAR

Curved Subretinal
Scissors

Curvature radius 12 mm

12-209-23H 23 Ga

25 GAUGE*



MOST POPULAR ILM
 Eckardt End Gripping Forceps
 12-410-25 25 Ga



ERM
 Gripping Forceps
 With a diamond dusted platform
 12-3019 25 Ga



ILM
 Tano Asymmetrical End Gripping Forceps
 12-411-25 25 Ga



MOST POPULAR ERM
 Gripping Forceps
 With a "crocodile" platform
 12-304-25 25 Ga



ILM
 End Grasping Forceps
 12-420-25 25 Ga
 Enhanced visualization!



Pick Forceps
 12-3259 25 Ga



Vertical Scissors
 45 Degrees
 Sharp tips
 12-2029 25 Ga



End Gripping Forceps
 With nail shaped jaws
 12-4089 25 Ga



MOST POPULAR
 Curved Subretinal Scissors
 Curvature radius 12 mm
 12-2099 25 Ga

27 GAUGE*



ILM
 Eckardt End Gripping Forceps
 12-410-27 27 Ga



ILM
 End Grasping Forceps
 12-420-27 27 Ga
 Enhanced visualization!

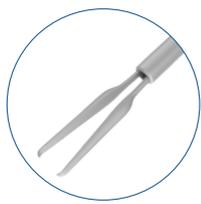
Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.
 *Handles are sold separately: 12-003T and 12-001T.

DISPOSABLE INSTRUMENTS*

Most popular models of scissors and forceps in 23 and 25 Ga
All instruments are supplied sterile, in a box of 6



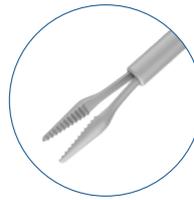
**STERILE
BOX OF 6**



ILM

Disposable Eckardt
End Gripping Forceps

12-410-23D 23 Ga
12-410-25D 25 Ga



ERM

Disposable Gripping
Forceps

With a "crocodile" platform
12-304-23D 23 Ga
12-304-25D 25 Ga



ILM

Disposable End
Grasping Forceps

12-420-23D 23 Ga
12-420-25D 25 Ga



Disposable Pick
Forceps

12-325-23D 23 Ga
12-325-25D 25 Ga



ERM

Disposable Gripping
Forceps

12-301-23D 23 Ga
12-301-25D 25 Ga



Disposable Curved
Scissors

12-209-23D 23 Ga
12-209-25D 25 Ga

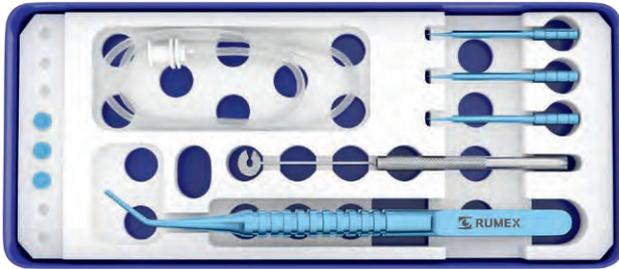


Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Not available in the US

REUSABLE TWO STEP TROCAR SYSTEMS

**MOST
POPULAR**



Reusable Trocar System with closure valves

Package includes:

- Trocar Cannula with closure valves – 3 pcs
- Loading Forceps – 1 pc
- Fixation Plate – 1 pc
- Blunt Cannula Inserter – 3 pcs
- Universal Infusion Line – 1 pc
- Sterilizing Tray – 1 pc

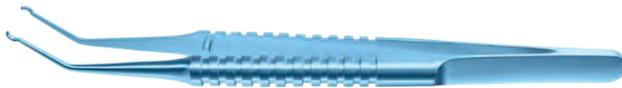
12-5173-1

Trocar systems with two additional cannulas and closure valves.

12-5173-23

12-5173-25

NEW



Loading Forceps

1 per box

12-5186 23/25 Ga



Instrument Cannula Inserter

1 per box

12-5187-23 23 Ga

12-5187-25 25 Ga



Fixation Plate

1 per box

12-5188 23/25 Ga



MVR Knives

Multifacet Blade, sterile, 6 per box

Straight

Angled

VRS-19 - 19 Ga

VRA-19 - 19 Ga

VRS-20 - 20 Ga

VRA-20 - 20 Ga

VRS-23 - 23 Ga

VRA-23 - 23 Ga



Instrument Cannula



Cannula Plug

Trocar Cannula Set

The set includes:

Instrument Cannula – 2 pcs

Cannula Plugs – 2 pcs

Sterile

12-5189 23 Ga – 1 set per box

12-5190 23 Ga – 5 sets per box



Scleral Plugs Forceps

Cross-action mechanism reduces hand fatigue

12-5086S 20 Ga

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

DISPOSABLE TROCAR SYSTEMS

One Step Trocar System

Each package includes:

1. Trocar knife with preloaded trocar cannula – 3 pcs
2. Self-sealing trocar cannula (preloaded) – 3 pcs
3. Infusion line (for BSS) – 1 pc

Sterile, 5 sets per box

■	12-5229	23 Ga
■	12-5244	25 Ga



Trocar Knife

with preloaded cannulas



Self-Sealing Trocar Cannula

self-sealing silicone valves eliminating need for plugs



Trocar Cannula Inserter

the proximal end of the plastic handle (opposite to the knife) can be used as a caliper and a scleral marker (two dimensions, 3.00 and 4.00 mm)



Universal Infusion Line

universal infusion line for BSS

VITRECTOMY CUTTERS

Reusable: posterior



Sterile
One per package

12-5100		800 CPM
AMO®	Gemini™	25 PSI
B&L®	Premiere™, Millennium™, Daisy™	20 Ga
Optikon®	Pulsar 2™, Assistant™	Without Irrigation Sleeve
Carl Zeiss Meditec® / IOL Tech®	Pentasys™	
Fritz Ruck®	Pentasys™	
Croma Pharma® / Corneal®	Open Phaco™	
Alcon®	Microtome™, MVS™, STTO Dx™	
Nidek®	CV-24000™, VT-5000™	
MID Labs®	MVS™, SupraVit™	
Syntec®	VitMan™	

Disposable: anterior



Sterile
One per package

12-5068		800 CPM
Alcon®	Legacy™, STTO™, STTM™, Universal™	20 PSI
AMO®	Sovereign™, Signature™, AMO Plus®, Prestige™	20 Ga
Staar Surgical®	Wave™	Without Irrigation Sleeve
Surgical Design®	Ocusystem™	
American Optisurgical®	Horizon™	
Nidek®	CV-12000™, CV-6000™, CV-7000™	

Disposable: posterior

	12-5064	12-5172
Alcon®	Accurus™	Accurus™
DORC®	Harmony Total TTC™	Associate™
	800 CPM	2500 CPM
	30 PSI	30 PSI
	20 Ga	23 Ga
	Without Irrigation Sleeve	Without Irrigation Sleeve

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

BACKFLUSH HANDLES**Titanium Backflush Handle**

Active Aspiration

12-6000

**Titanium Backflush Handle**

Passive Aspiration

12-6010

**Backflush Handle**

Passive Aspiration

Sterile

5 per box

12-5197

**Replacement Reservoir
for Backflush Handle**

Active

Sterile

10 per box

12-5159

**Replacement Reservoir
for Backflush Handle**

Passive

Sterile

10 per box

12-5147

CANNULAS FOR BACKFLUSH INSTRUMENTS



Charles Flute Cannulas

Designed to aspirate blood and debris from the posterior segment. Smooth, finished tip provides atraumatic entry and reduces risk of trauma to surrounding tissue.

Disposable, 5 per box

12-5164 23 Ga



Brush Tip Cannulas

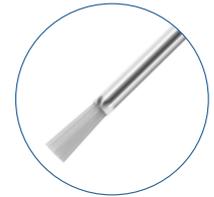
For atraumatic brushing of retina.

Disposable, 5 per box

12-5017 20 Ga

12-5162 23 Ga

12-5160 25 Ga



Soft Tip Cannulas

Flexible tip allows atraumatic entry through retinal or macular tears or holes and enables aspiration of subretinal fluid.

Disposable, 5 per box

12-5063 20 Ga

12-5161 23 Ga

12-5152 25 Ga



Diamond Dusted Soft Tip Cannulas

Designed for better cohesion and gentle sweeping of the membrane.

Disposable, 5 per box

12-5193 20 Ga

12-5192 23 Ga



DUAL BORE CANNULAS

For simultaneous infusion and aspiration of liquids.

Dual Bore PFC Cannula

Simultaneous infusion of heavy liquids and aspiration of intraocular fluids. Dual bore for constant control of intraocular pressure during injection.

Disposable, 5 per box

12-5203 23 Ga (0.60 mm)

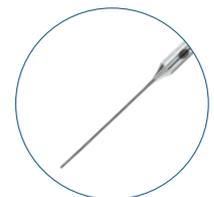


Dual Bore BSS Injection Needle

Enables to control subretinal injection of BSS. Dual bore cannula combined with aspiration capability.

Disposable, 1 per box

12-5194
20 Ga / 41 Ga (0.10 mm) tip



INFUSION CANNULAS

Reusable:

Infusion Cannula

12-024 20 Ga 2.50 mm

12-025 20 Ga 4.00 mm

12-026 20 Ga 6.00 mm

Disposable:

Self-Retaining Silicone Oil Cannula

12-5165 23 Ga 4.00 mm 5 per box

12-5222 23 Ga 6.00 mm 5 per box



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

ULTRA PURIFIED SILICONE OIL*

For Vitreoretinal Surgery

- Maximum interfacial tension and minimum interactions between tissues, cells and endo-tamponades media
- Optimal combination of specific gravity, refractive index and surface tension
- Different viscosity indexes enable easy injection (1000 cSt) and stable temporary tamponade (5000 cSt)

No risk of emulsification

SOLVENT FREE



SmartSil 1000 1000 cSt
SmartSil 5000 5000 cSt

Physicochemical properties

Interfacial tension at 37°C	43.2 mNm ⁻¹
Density	0,97 g/cm ³
Viscosity	1000 cSt / 5000 cSt
Refractive index	1.404
Volatility	0,06%
Polydispersity	2.33
Elements potentially toxic	< 3 ppm
Low molecular weights	D4–D9: < 24 ppm D10–D20: 4 ≤ ppm



Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

*Not available in the US

SILICONE OIL INFUSION SYSTEMS



Surgical System	Reusable
Ioltech® Pentasys™ Optikon® Antares™ Alcon® STTO™ Storz® Premiere™ DORC® Harmony Budget™	12-RTUB-1
DORC® Associate™ Alcon® Constellation™, Accurus™	12-RTUB-2
B&L® Millenium™, Stellaris™	12-RTUB-3
Oerlti® Orbit™, Faros™, OS3™	12-RTUB-4



Surgical System	Disposable
Ioltech® Pentasys™ Optikon® Antares™ Alcon® STTO™ Storz® Premiere™ DORC® Harmony Budget™	12-DTUB-1
DORC® Associate™ Alcon® Constellation™, Accurus™	12-DTUB-2
B&L® Millenium™, Stellaris™	12-DTUB-3
Oerlti® Orbit™, Faros™, OS3™	12-DTUB-4



Viscous Fluid Injection Cannula

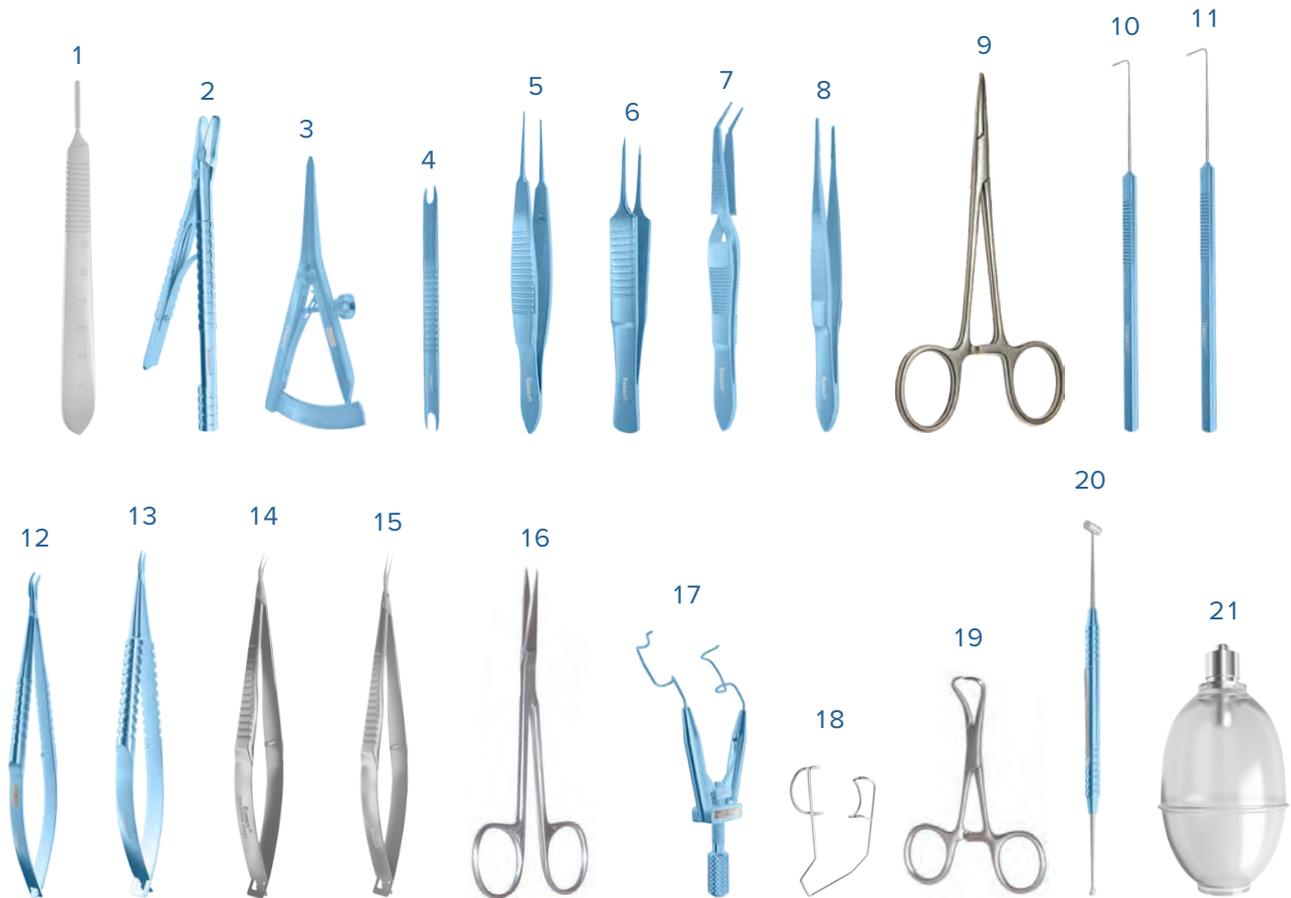
10 mm polyimide tip allowing injection of viscous fluids such as silicone oil through 23 Ga trocar cannula

Disposable, 5 per box

12-5248 23 Ga

Product images, including color, may slightly differ from actual product appearance due to the 3D effect applied.

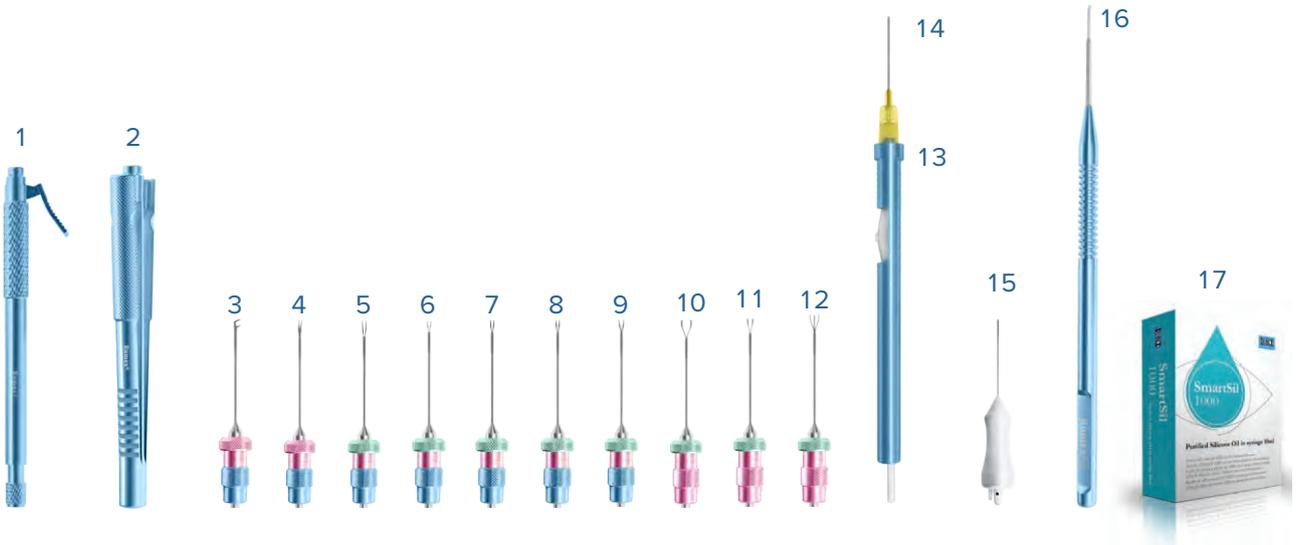
UNIVERSAL INSTRUMENTS FOR VITREORETINAL SURGERY SET



Reference	Key	Description
1-020S	1	Bard Parker Handle
1-010T	2	Blade Holder, Round handle
2-010T	3	Castroviejo Caliper, Measure 0–20 mm
2-100T	4	Braunstein Fixed Caliper, 3.50–4.00 mm
4-0600T	5	Castroviejo Suturing Forceps, 0.12 mm 1×2 Teeth
4-171T	6	McPherson Straight Tying Forceps, 4.00 mm Tying Platforms
4-2201T	7	Watzke Sleeve Spreading Forceps, Angled, Cross-action
4-2300T	8	Bonaccolto Utility Forceps
4-122S	9	Halsted Hemostatic Forceps, Straight
5-042	10	Graefe Muscle Hook, Size 2, 1.50×10.00 mm
5-060	11	Gass Retinal Detachment Hook, 13 mm flat hook, 1.50×0.70 mm hole
8-011T	12	Barraquer Needle Holder, Standard Jaws 12.00 mm, Curved Without Lock
8-045T	13	Barraquer Needle Holder, Extra Fine Jaws 8.00 mm, Curved Without Lock
11-040S	14	Westcott Curved Tenotomy Scissors, Blunt Tips, 13 mm Blades
11-044S	15	Westcott Stitch Scissors, Sharp Tips, 16 mm Blades
11-100S	16	Knapp Straight Strabismus Scissors, Ring Handle
14-040T	17	Lieberman Temporal Speculum, Rounded "V" Shaped Blades
14-022S	18	Barraquer Wire Speculum, Adult size, 14 mm Blades
16-081S	19	Towel Forceps
16-111	20	Schocket Double Ended Scleral Depressor
15-301/303	21	Silicone Bulb With Adapter
18-305*		Plastic Sterilizing Tray, Double Level, Large

*not shown

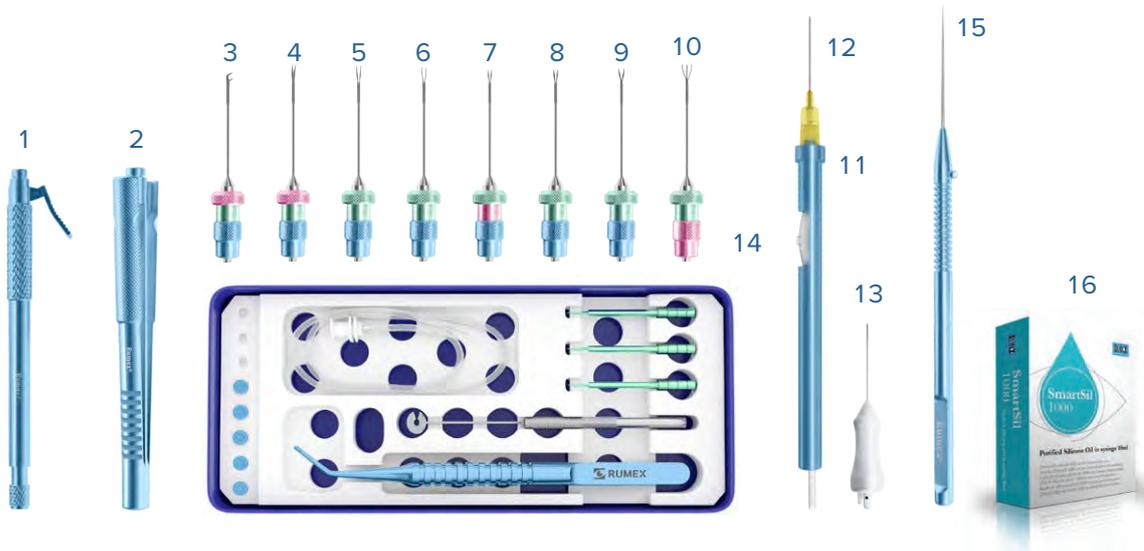
SET OF VITREORETINAL INSTRUMENTS, 20 GAUGE



Reference	Key	Description	Reference	Description
12-001T	1	Universal Instrument Handle, One Finger Control	12-325	9 Pick Vitreoretinal Forceps, 20 Ga, Tip only
12-003T	2	Universal Instrument Handle, Squeeze Model, Two Fingers Control	12-335	10 Stolyarenko Forceps for Large Foreign Body, 20 Ga, Tip only
12-202	3	Vertical Vitreoretinal Scissors, 20 Ga, Tip only	12-313	11 Vitreoretinal Forceps With Cup Jaws, 20 Ga, Tip only
12-209	4	Curved Subretinal Scissors, 20 Ga, Tip only	12-321	12 Spring Gripping Forceps, 20 Ga, Tip only
12-410	5	Eckardt End Gripping Forceps, 20 Ga, Tip only	12-6000	13 Titanium Backflush Handle Active Aspiration, 1 piece
12-411	6	Tano Asymmetrical End Gripping Forceps, 20 Ga, Tip only	12-5063	14 Soft Tip Cannula, 20 Ga, 5 per box
12-301	7	Vitreoretinal Forceps with a Diamond Dusted Platform, 20 Ga, Tip only	12-5064	15 Disposable Posterior Vitrectomy Cutter, 20 Ga, 1 per box
12-304	8	Gripping Forceps with a "Crocodile" Platform, 20 Ga, Tip only	12-5193*	16 Membrane Scratcher, 20 Ga
			13-092	17 Purified Silicone Oil for Retinal Endotamponade, 1000 cSt
			SmartSil 1000	
			18-305*	Plastic Sterilizing Tray, Double Level, Large

*not shown

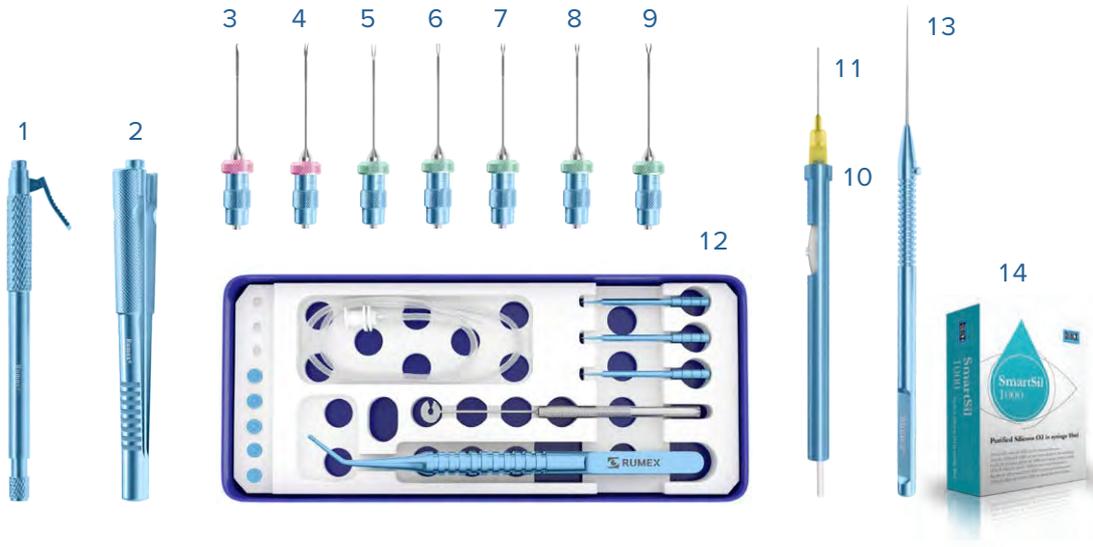
SET OF VITREORETINAL INSTRUMENTS, 23 GAUGE



Reference	Key	Description	Reference	Description
12-001T	1	Universal Instrument Handle, One Finger Control	12-325-23	9 Pick Vitreoretinal Forceps, 23 Ga, Tip only
12-003T	2	Universal Instrument Handle, Squeeze Model, Two Fingers Control	12-321-23	10 Stolyarenko Forceps For Large Foreign Body, 23 Ga, Tip only
12-202-23	3	Vertical Vitreoretinal Scissors, 23 Ga, Tip only	12-6000	11 Titanium Backflush Handle Passive Aspiration, 1 piece
12-209-23	4	Curved Subretinal Scissors, 23 Ga, Tip only	12-5161	12 Soft Tip Cannula, 23 Ga, 5 per box
12-410-23	5	Eckardt End Gripping Forceps, 23 Ga, Tip only	12-5172	13 Disposable Posterior Vitrectomy Cutter, 23 Ga, HIGH SPEED, 1 per box
12-4013	6	End Grasping Forceps, Expanded Space between Branches, 23 Ga, Tip only	12-5229 ¹	Disposable One Step Trocar System, 23 Ga, 5 per box
12-301-23	7	Gripping Forceps with a Diamond Dusted Platform, 23 Ga, Tip only	12-5173-23	14 Reusable Trocar System, 23 Ga
12-304-23	8	Vitreoretinal Forceps with a "Crocodile" Platform, 23 Ga, Tip only	13-097-23	15 Delicate Membrane Pick, 23 Ga
			SmartSil 1000	16 Purified Silicone Oil for Retinal Endotamponade, 1000 cSt
			18-305 ¹	Plastic Sterilizing Tray, Double Level, Large

¹not shown

SET OF VITREORETINAL INSTRUMENTS, 25 GAUGE



Reference	Key	Description
12-001T	1	Universal Instrument Handle, One Finger Control
12-003T	2	Universal Instrument Handle, Squeeze Model, Two Fingers Control
12-2029	3	Vertical Vitreoretinal Scissors, 25 Ga, Tip only
12-2099	4	Curved Subretinal Scissors, 25 Ga, Tip only
12-410-25	5	Eckardt End Gripping Forceps, 25 Ga, Tip only
12-420-25	6	End Grasping Forceps, 25 Ga, Tip only
12-3019	7	Vitreoretinal Forceps with a Diamond Dusted Platform, 25 Ga, Tip only
12-304-25	8	Vitreoretinal Forceps with a "Crocodile" Platform, 25 Ga, Tip only
12-3259	9	Pick Vitreoretinal Forceps, 25 Ga, Tip only
12-6000	10	Titanium Backflush Handle with Active Aspiration, 1 piece
12-5160	11	Brush Tip Cannula, 25 Ga, 5 per box
12-5244		Disposable One Step Trocar System, 25 Ga, 5 per box
12-5173-25	12	Reusable Trocar System, 25 Ga
13-0979	13	Delicate Membrane Pick, 25 Ga
SmartSil 1000	14	Purified Silicone Oil for Retinal Endotamponade, 1000 cSt
18-305		Plastic Sterilizing Tray, Double Level, Large

*not shown

APPENDIXES

STERILIZATION AND CARE	240
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STERILIZATION AND CARE

DIAMOND KNIVES STERILIZATION

APPLICATION

Ophthalmic microsurgical knives with diamond blades are used for cutting and dissection of tissues during ophthalmic, microvascular, neurosurgical, and plastic surgery.

CHARACTERISTICS



The blades are made from natural diamonds and the handles are manufactured from titanium alloy. Blade size: The thickness of the diamond blade cutting edge should not exceed 0.2 μm . The blade points must be edged with no visible chips (visible at 100x power magnification).

DEVICE

The diamond knife consists of a titanium handle and a diamond blade. The handle is fit with a mechanism providing blade installation and its safe fixation in an operative and non-operative position. The construction of the knife can be changed in order to improve its usability.



COMPLETED UNITS

Each complete set must contain:

- diamond knife — 1 unit
- label — 1 unit
- sterilization tray — 1 unit
- care and cleaning instructions — 1 unit

USAGE INSTRUCTIONS

1. The diamond blade is very fragile, therefore, each knife must be handled, cleaned, and stored delicately. Avoid blows or vibrations. Any contact of the blade with other instruments or materials should be avoided.
2. Before using a knife, make sure there are no chips on the cutting edge. A microscope with at least 100x power magnification should be used for the inspection.
3. When transporting diamond knives, the blades must be fully retracted into the handles (non-operative position). We recommend the knives to be kept and carried in sterilizing cases or with a PTFE shipping clamp to avoid self-movement. When a knife is not in use, its blade must be retracted into the handle and protected from mechanical damage.
4. Please rotate the movable part of the handle clockwise and fix the blade to set the knife in its operative position. The blade is to be set in the operative position for the surgical operation just prior to usage.
5. After usage, slightly pull the movable part of the handle downwards and rotate counter clockwise to return the blade into its non-operative position. To avoid accidental movements of the spring, please make sure the handle is fixed tightly. When a handle is fixed, a slight click will occur.
6. To install the knife with a micrometer, pull the protective cap down and rotate the bottom part of the handle (with a scale) downwards; the blade will appear. Customize the depth of the blade by screwing the handle; the scale marks will indicate the chosen depth. The scale increment is 0.005 mm. Rotate the handle upwards then put on the protective cap to set the knife in the initial non-operative position.

The service life of the knife varies due to usage and handling. The blade must never be dropped or be in contact with foreign objects. The blade and the spring mechanism need to be handled with care and caution. Never disassemble the parts of a knife.

PRESTERILIZATION TREATMENT AND STERILIZATION

Presterilization treatment includes a number of procedures. Please remember to clean the blade and the handle, remove blood, tissue debris and viscoelastic directly after the operation.

MANUAL CLEANING:

- use a syringe with distilled water to flush the instrument;
- dip the knife (blade retracted) into weak alkaline cleaning solution and keep for 60 minutes at a temperature of +22°C (+72°F);

- the handle of a knife can be cleaned with a soft brush;
- flush the instrument with flowing water for 30 seconds, then sluice with distilled water for other 30 seconds; the blade should be pointed down for flushing.



We recommend to use a diamond knife cleaning pack (21-602-1) for gentle cleaning of the blade. The pack contains three solutions that eliminate residual debris off the blade and prepare it for sterilization.

Diamond knives can be cleaned in an automatic washer designed for micro-surgical instruments. Please follow the manufacturer's instruction.

ULTRASONIC CLEANING:

- The cleaning machine should be filled with warm distilled water +70°C (+152°F). Immerse the knife with the retracted blade into the water. The sterilizing case with finger mats will reduce vibration and protect the blade.
- 2 to 3 min washing cycle should be enough to clean knife.
- Rinse the instrument with distilled water before steam sterilization.

STERILIZATION:

The knives should be sterilized before each surgical case by one of these methods:

Sterilization Method	Type of Sterilization	Item	Temperature	Exposure Time
Steam	Gravity Displacement	Wrapped	+132°C (+270°F)	30 min
Flash Process	Gravity Displacement	Unwrapped	+132°C (+270°F)	4 min
Steam	Prevacuum	Wrapped	+132°C (+270°F)	4 min
Flash Process	Prevacuum	Unwrapped	+132°C (+270°F)	4 min

Make sure the blade is in its non-operative position (retracted) before sterilization; self-movement must be avoided. We recommend sterilizing the knives in trays specially designed for diamond knives as the silicone holders will help stabilize them.

The above-mentioned sterilization cycles represent the industry standards and should be capable of producing a sterile device. Due to variations in sterilization equipment and device bioburden in clinical use, Rumex is not able to provide specific cycle parameters. It is the responsibility of each user to perform the validation and verification of the sterilization cycle and observe the instruction provided by the manufacturer of sterilization and cleaning units.

STORAGE



Diamond knives must be kept at a temperature from +10°C to +35°C (+50°F to +95°F) and relative air humidity at most 98%. Indoor air must not contain corrosive additive agents. The blade must be fully retracted into the handle (nonoperative position). Self-movement must be avoided and blows or vibrations should be avoided.

MANUFACTURER'S WARRANTY

Manufacturer guarantees knives to be in accordance with the documentation when service and storage instructions are followed by the consumer. We provide a 2 year guarantee for the spring mechanism and titanium parts. The diamond blade can be resharpened or exchanged according to the after-sale service program.

RECEPTION INSPECTION

Incoming inspection is obligatory. It includes:

- visual examination of the package obtained (no mechanical damages are permitted);
- visual inspection of the knife (no mechanical damages such as cracks, chips, oxide scales etc. are permitted; all parts of the knife must be joined smoothly);
- blade must be set into the operating/non-operating position without jamming; it must be fixed easily.

The knives you purchase are not sterile and should be sterilized before the first surgery. Please examine the blade before each operation and never use a knife in the event any defect is noticed. Damaged knives should be sent for resharpening or blade replacement.

CARE & CLEANING OF VITREORETINAL AND MICROINCISIONAL INSTRUMENTS

Rumex Instruments (ophthalmic scissors and forceps for vitreoretinal and microincisional surgery) are designed for various applications in ophthalmic surgery.

It is essential that the instrument is cleaned and sterilized before initial use and after each surgery, following as outlined in this instruction brochure.

CARE AND HANDLING

The intraocular tips have a delicate precision mechanism inside. Intraocular fluids will enter this mechanism during surgery. If these fluids are not promptly and properly cleaned out, it will lead to corrosion or clogs and the possibility of instrument malfunction. Proteins may also accumulate inside of the mechanism.

Ensure the cleaning procedure is implemented after each surgery — **warranty shall not extend to instruments that have been improperly handled.**

CLEANING



1. Unscrew the tip from the handle, then attach flushing adapter 12-000T.
2. Flush the tip with distilled or deionized water by connecting a syringe filled with water to adapter:
3. Flush the tip with alcohol. This will remove the water and facilitate drying.
4. Dry the tip by forcing one or two syringes full of air through tip. Pressurized air is recommended, as it flushes out debris and fluid more efficiently than syringe forced air. Thoroughly dry handle, tip and cup.
5. Force special thermoresistant instrument milk through the tip, as in No 2 above.
6. Dry with air as in No 4 above.
7. Handle should be soaked in distilled or deionized water for two minutes.
8. Dry with surgical sponge.
9. Lubricate joints in handle with instrument milk and work the mechanism by pressing the key.

INSTRUMENT DETERGENTS AND/OR CLEANERS

Only detergents and cleaners specially designed for use on surgical stainless steel or titanium instruments are acceptable for use in the cleaning process. The cleaning guidelines of the solution manufacturer and your institution should be observed.

ULTRASONIC CLEANING EQUIPMENT

An ultrasonic cleaner could also be used in the instrument cleaning process, but not as the sole cleaning method. The instrument should, at the very least, be flushed with distilled water prior to being placed in the ultrasonic cleaner. A five to ten minutes cycle in the ultrasonic cleaner should be sufficient. The instrument must be secured on a silicone finger mat during the ultrasonic cleaning procedure. Special care should be taken to make certain that the tip of the instrument does not come into contact with the sides of the ultrasonic container, as this could damage the instrument.

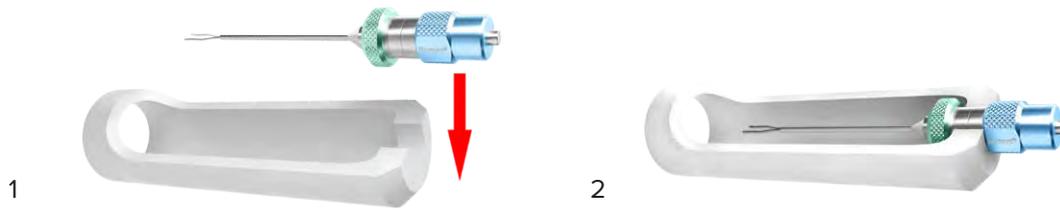
LUBRICATION

Moving parts and working mechanisms of Rumex instruments should be lubricated occasionally with a medical grade instrument lubricant (especially after an ultrasonic bath) to ensure smooth operation of the working mechanism. The recommended directions of the instrument lubricant manufacturer should be observed.

STORAGE

Surgical instruments should be stored in the sterilizing trays of proper size lined with soft silicone mats. Instruments should not touch each other. We recommend using safety protectors made of PTFE, which is autoclavable. Rumex International Co. designed two models of safety protectors. The photos below illustrate the way to fix a tip in a protector.

Please insert the tips into PTFE protectors as shown in the picture:



1. Match the nut indicating the gauge with the hub, press the tip gently
Make sure the branches do not touch the protector

2. The tips in their final position — safely fixed by the protector.

Note: the tips should be sterilized in the protector to avoid any contact with other instruments.

STERILIZATION

Stainless steel and titanium instruments can be sterilized via steam autoclaving, chemical disinfectants, ethylene oxide gas, or even dry hot air. Gas and dry chemical sterilization are the best methods for stainless steel instruments, but they take a lengthy time period to accomplish the desired result. The most practical method of sterilization is heat or steam, which require less time, however, these methods can be damaging to delicate instruments. Please be sure that you and the members of your staff have read and understood the instructions supplied by the manufacturer of your particular sterilizer.

STERILIZATION CYCLES

Finally, the instrument should be sterilized prior to the next surgical procedure.

Rumex instruments can be sterilized using any of the following methods:

100% ETO cycles	
Concentration ETO	850±50mg/l
Temperature	37 °C – 47 °C
Exposure time	3–4 hours
Humidity	70% RH minimum

	Steam Autoclaving		“Flash” Autoclaving	
	Gravity Displacement	Prevacuum	Gravity Displacement	Prevacuum
Sample Config.	wrapped	wrapped	unwrapped	unwrapped
Temperature	121 °C – 123 °C	132 °C – 135 °C	132 °C	132 °C
Exposure time	250 °F – 253 °F 15 to 30 minutes	270 °F – 275 °F 3 to 4 minutes	270 °F 3 minutes	270 °F 3 minutes

The above-mentioned sterilization cycles represent the industry standards and should be capable of producing a sterile device. Due to variations in sterilization equipment and device bioburden in clinical use, Rumex International is not able to provide specific cycle parameters. It is the responsibility of each user to perform the validation and verification of the sterilization cycle to ensure an adequate sterility assurance level for Rumex products.

INSPECTION

Be sure to inspect every microsurgical instrument at the end of your surgical day. Please conduct this inspection under a microscope or magnification lens. If a damaged instrument is detected, repair or replace it.

INSTRUCTIONS FOR USE

Rumex instruments are designed in cooperation with top-of-the-notch surgeons from all over the world, and then manually crafted by highly qualified professionals under the precision microscopes and machines, and then a tungsten carbide and various covers are applied with a view to achieve the best functional characteristics possible. However, any device that is initially perfect can't remain its condition without proper handling and care. We at Rumex guarantee our instruments against manufacturing defects, and the lifespan of reusable instruments lies within proper handling and care. To help your instruments preserve its initial conditions, we strongly recommend you to read the instructions below carefully before use.

INSPECTION

It is essential that the instrument is inspected before use. Please conduct this inspection under a microscope or magnification lens. If a problem is detected, notify us immediately. Once the instrument is examined and acceptED, IT SHOULD BE CLEANED BEFORE PLACING IT IN THE STERILIZING TRAY.

MANUAL CLEANING

It is imperative to follow the next rules:

- as much moisture as possible must be eliminated from all of the instrument parts since moisture promotes corrosion of the instrument.
- only detergents and cleaners specially designed for use on surgical stainless steel or titanium instruments are acceptable for use in the cleaning process. The cleaning guidelines of the solution manufacturer and your institution should be observed.
- use a mild soap solution and with a soft brush to clean the instrument and remove any stains. Never use abrasive powders or steel wool to remove stubborn stains - these can damage the superfine finish of an instrument and can actually help cause corrosion of stainless instruments.
- use distilled or demineralized water to rinse instruments thoroughly, and then carefully dry them with a hot air blower or lintfree cloth.

Thorough cleaning immediately after use is essential for the longevity of the instrument. We recommend that the established surgical instrument cleaning procedures of your institution be followed using these instructions as a guideline.

ULTRASONIC CLEANING EQUIPMENT

An ultrasonic cleaner could also be used in the instrument cleaning process, but not as the sole cleaning method. The instrument should, at the very least, be flushed with distilled water prior to being placed in the ultrasonic cleaner. A five to ten minutes cycle in the ultrasonic cleaner should be sufficient. The instrument must be secured on a silicone finger mat during the ultrasonic cleaning procedure. Special care should be taken to make certain that the tip of the instrument does not come into contact with the sides of the ultrasonic container, as this could damage the instrument.

LUBRICATION

Moving parts and working mechanisms of the Rumex instruments should be lubricated occasionally with a medical grade instrument lubricant (especially after an ultrasonic bath) to ensure the smooth operation of the working mechanism. The recommended directions of the instrument lubricant manufacturer and your institution should be observed.

STORAGE

Surgical instruments should be stored in the sterilizing trays of proper size and lined with soft silicone mats. Instruments should not touch each other. We recommend using protective tips made of soft silicone tubing of the proper size and thickness. Do not use rubber or plastic protective tips, as they can melt during autoclaving and cause damage of instruments.

STERILIZATION

Stainless steel and titanium instruments can be sterilized via steam autoclaving, chemical disinfectants, ethylene oxide gas, or even dry hot air. Gas and dry chemical sterilization are the best methods for stainless steel instruments, but it takes a lengthy time period to accomplish the desired result. The most practical method of sterilization is heat or steam, which require less time, however, these methods can be damaging to delicate stainless steel instruments. Please, be sure that you and the members of your staff have read and understood the instructions supplied by the manufacturer of your particular sterilizer.

STERILIZATION CYCLES

Finally, the instrument should be sterilized prior to the next surgical procedure. Rumex instruments can be sterilized using any of the following methods:

100 % ETO CYCLES

Concentration E ₀ :	850±50 mg/l
Temperature:	37°C–47°C
Exposure time:	3–4 hours
Humidity:	70 % RH minimum

STEAM AUTOCLAVING

SterilizerType:	Gravity	Displacement	Prevacuum
Sample Config.:	wrapped		wrapped
Temperature:	121°C to 123°C		132°C to 135°C
Exposure time:	15 to 30 minutes		3 to 4 minutes

'FLASH' AUTOCLAVING

SterilizerType:	Gravity	Displacement	Prevacuum
Temperature:	unwrapped		unwrapped
Exposure time:	132°C		132°C
Humidity:	3 minutes		3 minutes

The above-mentioned sterilization cycles represent the industry standards and should be capable of producing a sterile device. Due to variations in sterilization equipment and device bioburden in clinical use, Rumex International Co. is not able to provide specific cycle parameters. It is the responsibility of each user to perform the validation and verification of the sterilization cycle to ensure an adequate sterility assurance level for our products.

AT THE END OF A SURGICAL DAY

Instruments should be washed clean of all residues, dried and inspected after each use. Be sure to inspect every microsurgical instrument at the end of your surgical day. Please conduct this inspection under a microscope or magnification lens. If a damaged instrument is detected, repair or replace it. Washing, drying and inspecting the instrument under magnification helps to ensure that the instrument is kept in proper condition for the next surgical procedure.

ABBREVIATIONS

BRVO	Branch Retinal Vein Occlusion
BSS	Balanced Salt Solution
CPM	Cuts per Minute
CRVO	Central Retinal Vein Occlusion
DALK	Deep Anterior Lamellar Keratoplasty
DLEK	Deep Lamellar Endothelial Keratoplasty
DMEK	Descemet's Membrane Endothelial Keratoplasty
DSAEK	Descemet's Stripping Automated Endothelial Keratoplasty
DSEK	Descemet's Stripping Endothelial Keratoplasty
ECCE	Extracapsular Cataract Extraction
ERM	Epiretinal Membrane
I/A	Irrigation / Aspiration
ICL	Implantable Collamer Lens
ICRS (implantation)	Intrastromal Corneal Ring Segments
ID	Inner Diameter
ILM	Internal Limiting Membrane
IOL	Intraocular Lens
LASEK	Laser-Assisted Sub-Epithelial Keratectomy
LASIK	Laser-Assisted in Situ Keratomileusis
LHD	Left Handed Doctor
LRI	Limbal Relaxing Incisions
MICS	Micro Incision Coaxial Surgery
MVR (knife)	Myringo-vitreoretinal
OD	Outer Diameter
OVD	Ophthalmic Viscosurgical Device
PFC	Perfluorocarbon
PRK	Photorefractive Keratectomy
PVA	Polyvinyl Acetate
PVD	Posterior Vitreous Detachment
ReLEx SMILE	Refractive Lenticule Extraction Small Incision Lenticule Extraction
RHD	Right Handed Doctor
SMILE	Small Incision Lenticule Extraction

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