RUMEX®

CAPITAL medical resources

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OPHTHALMIC INSTRUMENTS + IOLs & Consumables

2022

AFFORDABLE.
RELIABLE. PRECISE.

INTRODUCTION

IOLS, DISPOSABLE ANTERIOR INSTRUMENTS AND CONSUMABLES

NEW

REUSABLE ANTERIOR INSTRUMENTS

VITREORETINAL INSTRUMENTS AND CONSUMABLES

FEATURED SETS

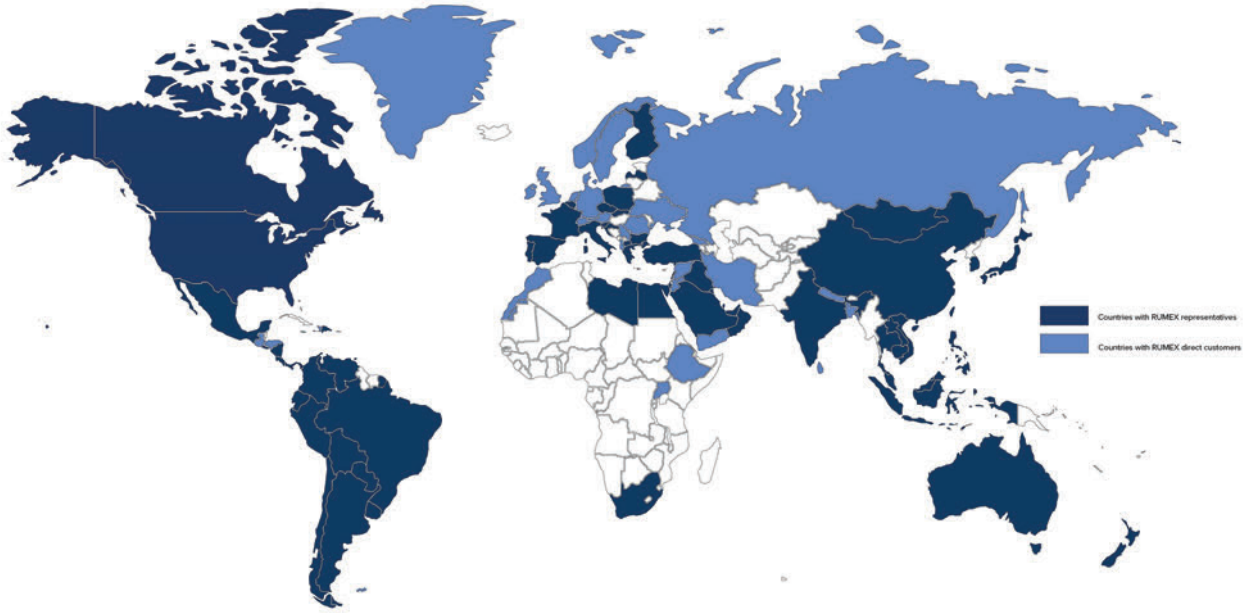
APPENDIXES

MORE THAN 25 YEARS OF SUCCESS

The RUMEX brand founder is Andrey Yakovlev, in 80-s and early 90-s practicing ophthalmologist in S.N. Fedorov NMRC "MNTK "Eye Microsurgery".

1990	business started in Venezuela, Colombia
1994	**RUMEX International Company was founded in Florida, USA**
1995	RUMEX trademark was registered
1997	distribution business in Russia started
1999	home manufacture was set up in Kazan, Russia
2000s	fast assortment development of reusable instruments
2007	product portfolio was expanded by single-use products
2009	RUMEX web store started working in USA
2009	launch of RUMEX single-use products manufacturing in UK
2010s	sales development outside Americas
2015	the 1st contract exceeding 1 million dollars was signed and fulfilled
2016-now	fast development of single-use product portfolio

DOCTORS IN MORE THAN 100 COUNTRIES CHOOSE RUMEX



FDA CE ISO

Over **2000** products in RUMEX range

HOW TO PLACE AN ORDER

All the orders can be easily placed and paid online according to your shipping location directly via one of RUMEX online stores or through your local RUMEX representatives.

If your shipping country is USA, you are welcome to order at rumex.us

If your shipping country is within Europe, please visit rumex.eu to make your order.

For other regions visit rumex.com and find your local RUMEX representative.

Pricing

The prices are detected automatically by your location. The pricing policy may vary from region to region. Please contact 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. Processing orders quickly and efficiently is a matter of primary importance to us!

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 or consult our customer service for 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 condition. 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 fill in the RMA form and send the paper copy by post together with the instrument. To get the RMA form, please contact customer service department.

To obtain a Return Authorization Number prior to returning instruments, please call customer service department +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.

MOST POPULAR	Best-selling item
POPULAR	SKU preferred by the majority of customers
NEW	Recently introduced into the product range of RUMEX International Co.
COMING SOON	This item will be available in RUMEX range soon
2	Disposable instruments
2	Available in a single-use edition
SS	Available in Stainless Steel
SET p.100	Featured instrument in the set on page 100
DON'T FORGET TO BUY	Frequently bought together
6 PER BOX	Quantity in the box

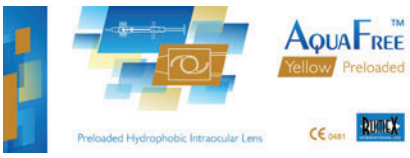
IOLs, DISPOSABLE INSTRUMENTS AND CONSUMABLES

IOL IMPLANTATION SOLUTIONS

STEP 1.
CHOOSE THE IOL AND DELIVERY SYSTEM

PREOLADED IOL+DELIVERY SYSTEM

OR



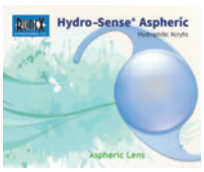
AquaFree Yellow Aspheric Preloaded

FEATURES:
- Fast injection
- Ready-to-use option

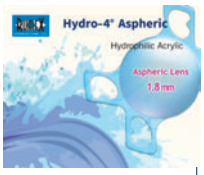
NON-PREOLADED IOLS

AquaFree Yellow Aspheric

Hydro-Sense Yellow

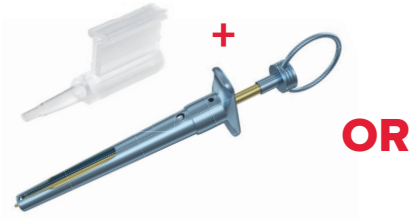


Hydro-Sense



Hydro-4

DELIVERY SYSTEM



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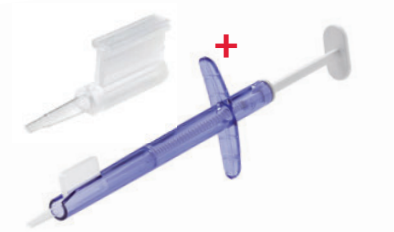


Single-Use Cartidge
CAT-22 (2.2 mm) **or CAT-24** (2.4 mm)
+
Reusable IOL Injector 16-2853

FEATURES:
- Money-wise solution
- Flexibility in choosing the IOL

VE2200
Disposable IOL Injector

FEATURES:
- Single-use option
- Flexibility in choosing the IOL

STEP 2.
ADD THE OVD

DISPERSIVE

SUPREME
HPMC 2%

BEST FOR:
- Coating the surgical instruments
- Endothelium protection

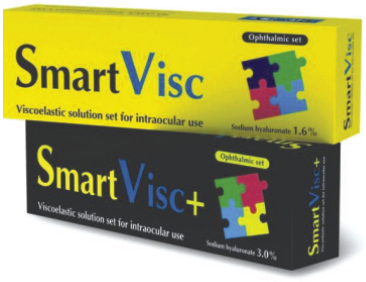
AND/OR

COHESIVE

SMARTVISC
Sodium Hyaluronate 1.6%

SMARTVISC PLUS
Sodium Hyaluronate 3%

BEST FOR:
- Keeping the empty capsular bag open for IOL insertion
- Flattening the anterior capsule to facilitate capsulorhexis creation

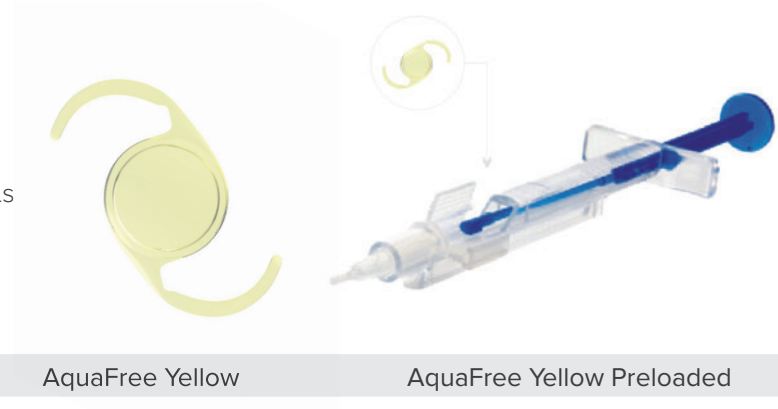


Product design and/or features that do not influence its functionality and main parameters are subject to change

IOLs

HYDROPHOBIC IOLs*

Foldable aspheric monofocal one-piece IOLs



	AquaFree Yellow	AquaFree Yellow Preloaded
Min. incision size	2.2 mm	
Overall diameter	13.0 mm	
Optic diameter	6.0 mm	
Power range	0D to +9D (1D steps) +10D to +30D (0.5D steps)	
Self-unfolding	Yes	
Water content	<0.5%	
Angulation	0°	
Material	Natural Yellow Hydrophobic Acrylic	
Optic design	Biconvex, square-edge	
Refractive index	1.5	
Abbe number	50	
Nominal A-constant	118.7	
Optimized optical constants	Haigis: a0=1.32, a1=0.40, a2=0.10 HofferQ: pACD=5.51 Holl.1: sf=1.75 SRK/T: 118.9 SRK II: 119.2 n: 190 Ref. : [304],[332]	
Transition temp. of material	11°C	
Filtration	UV and Blue Light (400-475 nm)	
AC-depth	5.51	
Shelf life	5 years	

Excellent long-term result

- Low chromatic aberration – increased contrast sensitivity, excellent color perception
- UV and Blue Light blocking – better protection of macula
- Extreme double square-edge – no risk of secondary cataract development
- No spherical aberrations – minimized glare and unwanted images
- Implantation through a 2.2 mm incision – fast recovery
- Manufactured by the lathe-cut (LC) method – no glistenings

Easy and controlled implantation

- Special surface polishing – a lens does not stick to itself or instruments
- Low glass transition temperature – excellent material performance in operating conditions
- Optimal folding and unfolding ability – easy to inject
- Preloaded option available – simple and predictable IOL injection within less than 5 seconds

CE 1984

*Not available in the US

Product design and/or features that do not influence its functionality and main parameters are subject to change

HYDROPHILIC IOLs*

Foldable aspheric monofocal one-piece IOLs


	Hydro-4 Aspheric	Hydro-Sense Aspheric	Hydro-Sense Aspheric Yellow
Min. incision size	1.8 mm – **suitable for MICS**	2.2 mm	2.2 mm
Overall diameter	11.0 mm	12.5 mm	12.5 mm
Optic diameter		6.0 mm	
Power range		-5D to +9D (1D steps) +14D to +25D (0.5D steps) +25D to +38D (1D steps)	
Self-unfolding		Yes	
Water content		23.5 – 27.5 %	
Angulation		5°	
Material	Hydrophilic Acrylic	Hydrophilic Acrylic	Natural Yellow Hydrophilic Acrylic
Optic design		Biconvex, square-edge	
Refractive index		1.46	
Abbe number		55	
Nominal A-constant		118.0	
Optimized optical constants		Haigis: a0=0.92 a1=0.40 a2=0.10 HofferQ: pACD=5.08 Holl.1: sf=1.31 SRK/T: 118.2 SRK II: 118.5 n: 213 Ref. :[341]	
Filtration	UV	UV	UV and Blue Light
AC-depth		4.65	
Shelf life		5 years	

FEATURES

- High biocompatibility of hydrophilic material with eye tissues – no unwanted biological reactions
- No spherical aberrations – minimized glare and unwanted images
- Angulation 5° – reduced risk of secondary cataract development
- Double square-edge – no posterior capsule opacification caused by cellular migration
- Manufactured by the lathe-cut (LC) method – no glistenings
- Minimized capsular bag stretching – maximum comfort for the surgeon and patient
- Excellent folding and unfolding ability – easy to inject
- Special surface polishing – a lens does not stick to itself or instruments

CE 1984

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DISPOSABLE INJECTION SYSTEMS AND CARTRIDGES

DON'T FORGET TO BUY

Disposable IOL Injection System MEDICEL VISCOJECT™ Eco

VE2200*

STERILE 2 20 PER BOX

- Suitable for Hydrophobic and Hydrophilic IOLs
- Push version
- Soft-tip technology for one-piece IOLs
- Incision sizes range from 2.1 mm to 2.8 mm, depending on the operating technique used (fig.1)

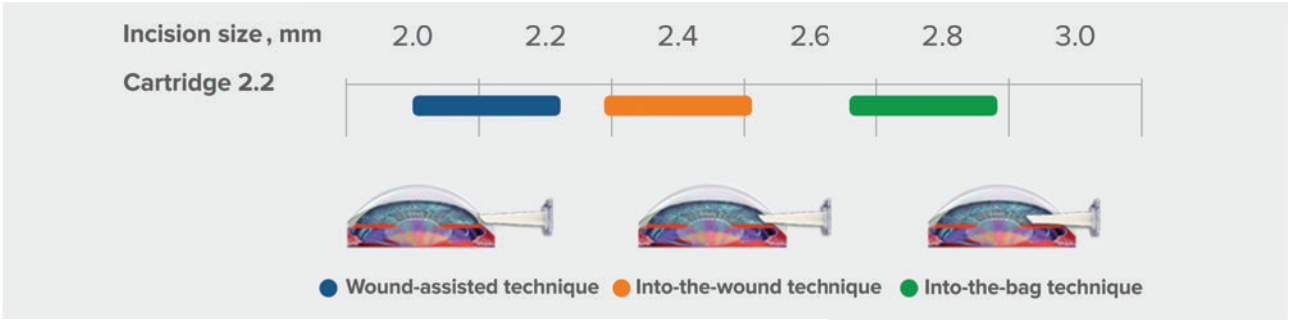

fig.1

Disposable Cartridges for IOL Injector**

NEW STERILE 2 20 PER BOX

Disposable cartridges are to be used with Reusable IOL Injector **16-2853** (page 116) for foldable one-piece IOLs

CAT-22 for 2.2 mm incision
CAT-24 for 2.4 mm incision
CAT-27 for 2.7 mm incision

*Not available in the US
**Not available in Europe
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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

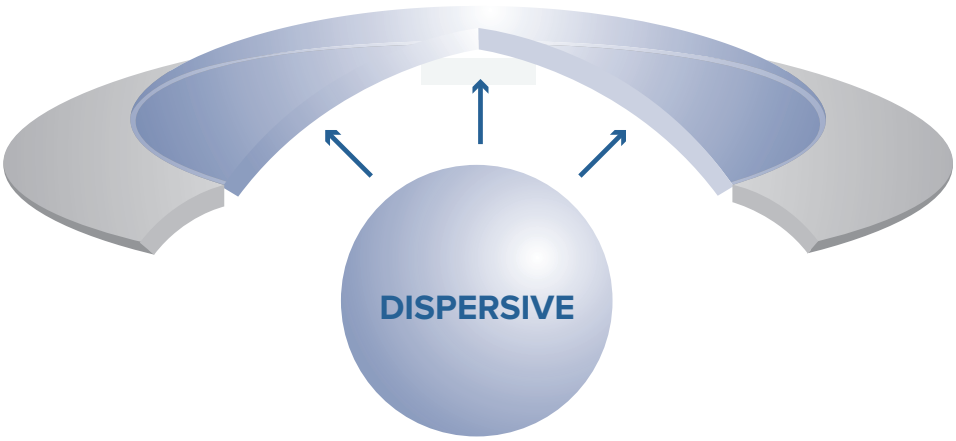
Classification	Dispersive
Composition	HPMC 2%
Molecular weight	86 000 Da
Viscosity	3 000–4 500 cSt
pH	6.0–7.8
Osmolality	250–350 mOsmol/kg
Volume	2 ml
Storage	2-35°C
Shelf Life	3 years

Advantages

- 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
- Protect corneal endothelium in an eye where endothelium pathology is suspected



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*Not available in the US

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SMARTVISC/SMARTVISC PLUS*
Ophthalmic Viscosurgical Device

SmartVisc is a cohesive, sterile, highly purified, non-inflammatory, sodium hyaluronate viscoelastic solution with high molecular weight. It is used to keep the anterior chamber formed, to keep the anterior capsule flat during capsulorrhexis creation, to move and manipulate iris or other tissues and to keep the empty capsular bag open for IOL insertion.

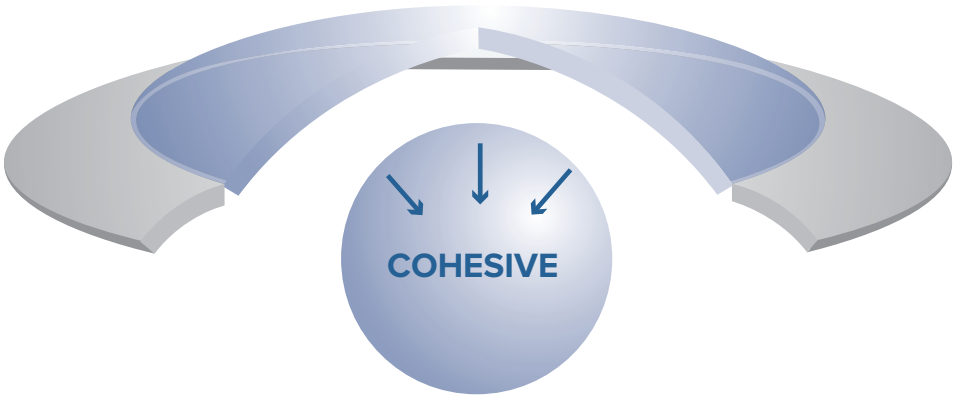
	SmartVisc	SmartVisc PLUS
Classification	Cohesive	
Composition	Sodium Hyaluronate 1.6 %	Sodium Hyaluronate 3.0 %
Molecular weight	1.2–2.0 mDa	1.0–1.8 mDa
Viscosity	approx. 80 000 mPas	approx. 400 000 mPas
Osmolality	270–400 mOsmol/kg	
Storage	2–25°C	
pH	6.8–7.4	
Volume	1 ml	
Shelf Life	3.5 years	

Advantages

- Good maintenance of the anterior chamber and the capsular bag
- Controlled capsulorhexis
- Easy IOL implantation
- Better adhesiveness to the corneal endothelium during phacoemulsification
- Excellent protection against mechanical damages
- No refrigeration necessary
- Ready-to-use

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



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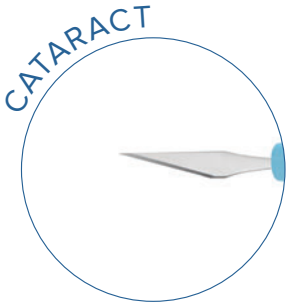
DISPOSABLE KNIVES

Disposable Knives are supplied sterile in a box of 6

STERILE 2 6 PER BOX

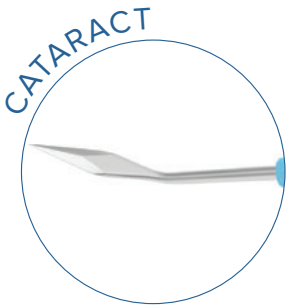
ALL KNIVES ARE EQUIPPED WITH SAFETY LIDS



Side Port Knives

Initial stab incisions
Straight, double bevel

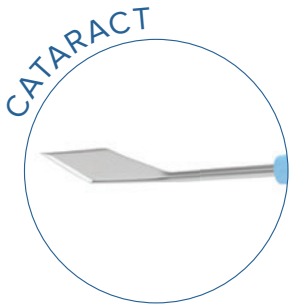
SP-15	1.00 mm, 15°	**MOST POPULAR**
SP-30	1.00 mm, 30°	
SP-45	1.00 mm, 45°	



Paracentesis Knives

Paracentesis incisions/side port incisions
Angled, double bevel

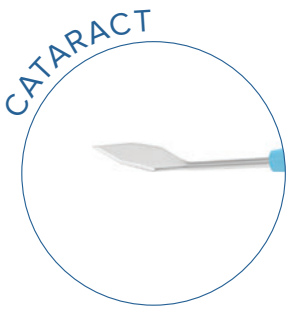
PK-11	1.10 mm	



Slit Knives

Scleral tunnel incisions
Angled, single bevel

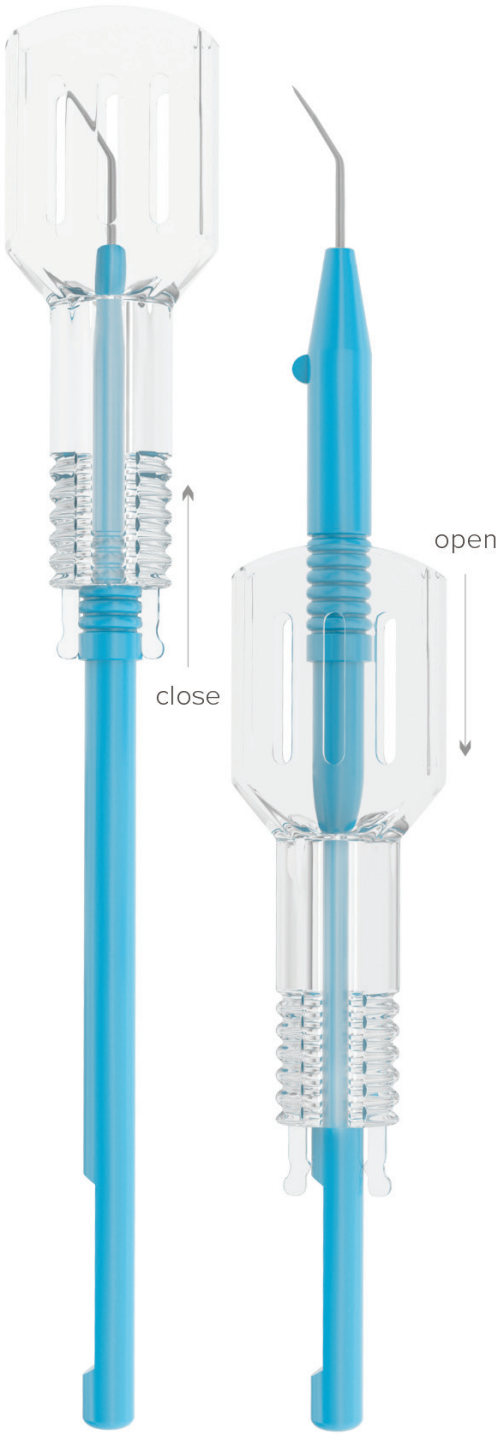
SL-22	2.20 mm	**POPULAR**
SL-24	2.40 mm	**POPULAR**
SL-26	2.65 mm	
SL-27	2.75 mm	
SL-28	2.80 mm	**POPULAR**
SL-32	3.20 mm	



Trapezoidal Knives

Tunnel incisions
Angled, single bevel

TR-10	1.20-1.40 mm
TR-17	1.50-1.70 mm



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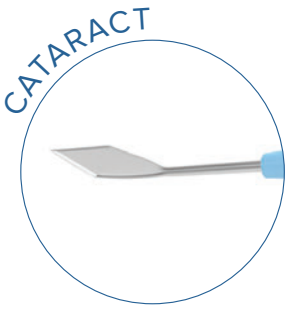
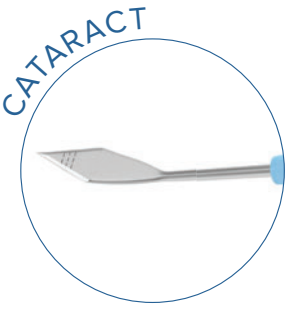
STERILE 2 6 PER BOX



Clear Corneal Knives

Clear corneal incisions
Angled, double bevel

CC-22	2.20 mm	MOST POPULAR
CC-24	2.40 mm	
CC-26	2.65 mm	
CC-27	2.75 mm	MOST POPULAR
CC-30	3.00 mm	



Clear Corneal Knives with Depth Indicators

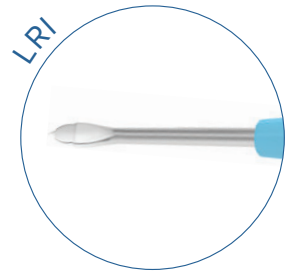
Tunnel incisions
Angled, double bevel

CCD-22	2.20 mm	1.50, 1.75 mm depth indicators	
CCD-24	2.40 mm	1.50, 1.75, 2.00 mm depth indicators	
CCD-26	2.65 mm	1.50, 1.75, 2.00 mm depth indicators	
CCD-27	2.75 mm	1.50, 1.75, 2.00 mm depth indicators	POPULAR

Crescent Knives

Lamellar dissections/scleral tunnel,
flap formation
Angled, single bevel

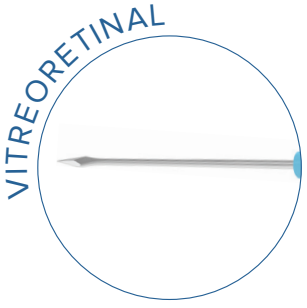
CR-20	2.00 mm	MOST POPULAR



Pre-Set Knives

Groove making/limbal relaxing incisions
Multifacet

PD-60 600 µm Depth



MVR Knives

Posterior segment penetration/side port incisions
Straight, multifacet

VRS-19	19 Ga	MOST
VRS-20	20 Ga	←POPULAR
VRS-23	23 Ga	POPULAR

Angled, multifacet

VRA-19	19 Ga
VRA-20	20 Ga
VRA-23	23 Ga

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Product design and/or features that do not influence its functionality and main parameters are subject to change

DISPOSABLE INSTRUMENTS

STERILE 2 6 PER BOX

All stainless steel disposable instruments are designed for precise manipulations during anterior segment surgeries.

Speculums

Barraquer Wire Speculum

Overall length 40 mm
Sterile, box of 6

14-022D **POPULAR**

Spatulas and Manipulators

Overall length 120 mm
Sterile, box of 6

Sinskey Hook

Angled

5-032D

Rosen Phaco Chopper

Universal

7-065D **POPULAR**

Lester Lens Manipulator

Angled

5-0331D

Nagahara Phaco Chopper

RHD

7-063D

Kuglen Iris Hook

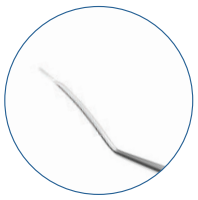
Angled

5-030D

Drysdale Nucleus Manipulator

Universal

7-093D



Spatula for Femtosecond Laser Procedure

20-204D

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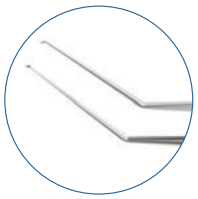
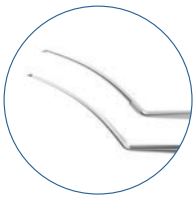
Forceps

Overall length 104 mm
Sterile, box of 6

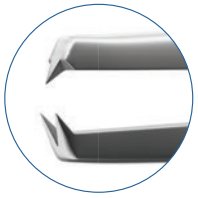
STERILE 2 6 PER BOX



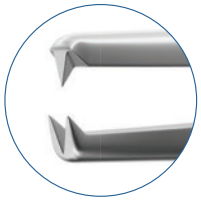
Utrata Capsulorhexis Forceps
Cystotome tips
Straight
4-0311D **POPULAR**



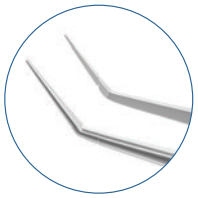
Utrata Capsulorhexis Forceps
Cystotome tips
Curved
4-0331D **MOST POPULAR**



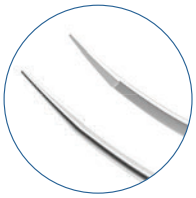
Castroviejo Suturing Forceps
0.12 mm
4-0600D **POPULAR**



Bonn-Catalano Corneal Forceps
0.12 mm
4-0551D



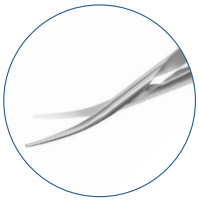
McPherson Tying Forceps
Angled
4-174D



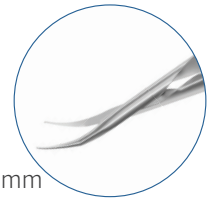
McPherson Tying Forceps
Curved
4-177D **POPULAR**

Scissors

Sterile, box of 6



Castroviejo Universal Corneal Scissors
Blunt tips
Overall length 106 mm
11-012D **POPULAR**



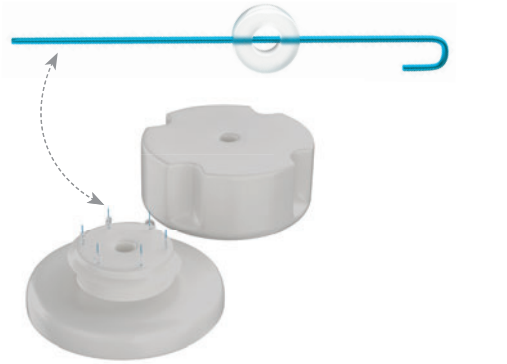
Westcott Tenotomy Scissors
Blunt tips
Overall length 115 mm
11-040D **POPULAR**

Vannas Capsulotomy Scissors
Sharp tips
Overall length 84 mm
11-052D **POPULAR**

CE 2803

Product design and/or features that do not influence its functionality and main parameters are subject to change

Iris Retractors



Iris Retractor*

STERILE 6 PER BOX

Reusable
Supplied sterile in autoclavable PTFE container

10-5127 **MOST POPULAR**

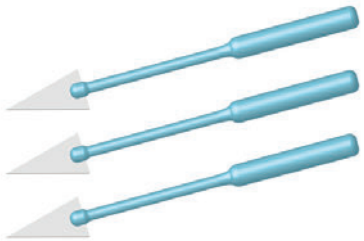
Iris Retractor*

Disposable

STERILE 2

10-5016-1 4 per box **POPULAR**
10-5067-1 5 per box

PVA Spears



STERILE 2 180 PER BOX

Compressed lint-free PVA spears ideal for controlling and absorbing fluid in and around the orbital area during cataract and refractive procedures

R2-40405*

*Not available in Europe
Product design and/or features that do not influence its functionality and main parameters are subject to change

MANI OPHTHALMIC SUTURES*

STERILE 2 12 PER BOX

The following list is for reference only.
The sutures are used depending on the surgeon's techniques and preference.
The sutures are supplied sterile in a box of 12.

Item Number	Suture		Needle				Main Application
	Description	Length	Shape	Length	Curve	Diameter	
10-0 Nylon Black Mono Sutures							
22-R1404 		30 cm	Trape Spatula	5.5 mm	7/16 (158°)	0.14 mm	Cornea, Scleracornea, Sclera Flap
22-R1410 		30 cm	Trape Spatula	7 mm	1/2 (180°)	0.14 mm	Scleracornea
22-R1404S 		15 cm	Trape Spatula *Single-armed*	5.50 mm	7/16 (158°)	0.14 mm	Scleracornea
22-R2002 		30 cm	Trape Spatula	6.50 mm	3/8 (135°)	0.20 mm	Scleracornea
5-0 Polyester Green Braided							
22-R3373 		45 cm	Dia Spatula	8 mm	1/4 (90°)	0.33 mm	Operations on Vitreous
5-0 Polyester White Braided							
22-R3377 		45 cm	Trape Spatula	8 mm	1/4 (90°)	0.33 mm	Operations on Vitreous
6-0 Silk Black Braided Sutures							
22-R3305 		45 cm	Reverse Cut	11 mm	3/8 135°	0.33 mm	Skin, Ocular Muscles
22-R2801 		45 cm	Trape Spatula	6.5mm	3/8 135°	0.28 mm	Skin, Ocular Muscles
8-0 PGA Absorbable Violet Braided Sutures							
22-R2090 		30cm	Trape Spatula	6.5mm	3/8 135°	0.20 mm	Conjunctiva, Sclera, Closing MVR Port

*For sale in the US only
Product design and/or features that do not influence its functionality and main parameters are subject to change

DISPOSABLE CANNULAS

DISPOSABLE CANNULAS GAUGE CONVERSION CHART

A hub of each cannula has a color according to its gauge.
To learn more, please see the cannula gauge conversion chart below.

Gauge	Inner Diameter		Outer Diameter		Color Code
	In	mm	In	mm	
19G	.028	.70	.043	1.10	
20G	.024	.60	.036	.90	
21G	.020	.51	.032	.80	
22G	.016	.41	.028	.70	
23G	.013	.33	.025	.60	
24G	.012	.30	.022	.55	
25G	.010	.25	.020	.50	
26G	.010	.25	.018	.45	
27G	.008	.20	.016	.40	
30G	.006	.15	.012	.30	

DISPOSABLE CANNULAS*

ANESTHESIA CANNULAS

Used for anesthetic agents administration during ophthalmic surgeries.

Atkinson Retrobulbar Needle

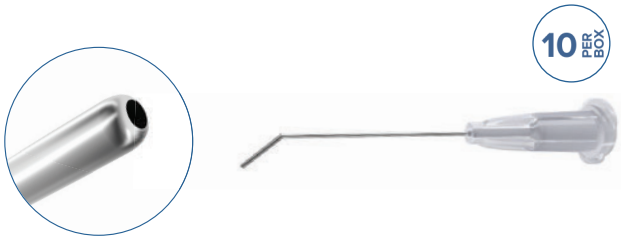
21-R1125 25 Ga × 38 mm

Sub-Tenon`s Anesthesia Cannula

21-R1320 20 Ga × 25 mm **POPULAR**

ANTERIOR CHAMBER CANNULAS

Used for maintaining and forming the anterior chamber by injecting or removing air, fluids, viscoelastics and intraocular medications.



Rycroft Anterior Chamber Cannula

4 mm angled tip

21-R2023 23 Ga × 22 mm
21-R2025 25 Ga × 22 mm
21-R2030 30 Ga × 22 mm **POPULAR**

8 mm angled tip

21-R2027-8 27 Ga × 22 mm **MOST POPULAR**

Lewicky Anterior Chamber Maintainer

4 mm serrated tip
15 cm silicone tubing
ID – 0.75 mm
OD – 1.65 mm

21-R2520 20 Ga × 22 mm

Viscoelastic Cannulas

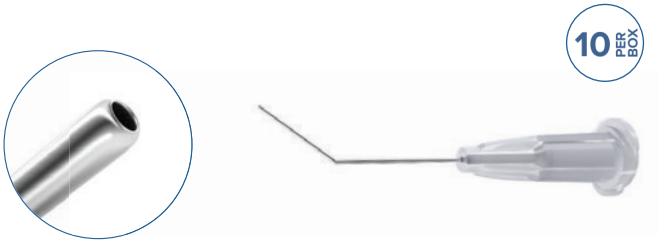
Used for maintaining and forming the anterior or posterior chamber by infusing or aspirating viscoelastic.

9 mm angled tip

21-R2225 25 Ga × 22 mm **POPULAR**
21-R2227 27 Ga × 22 mm **MOST POPULAR**

10 mm angled tip

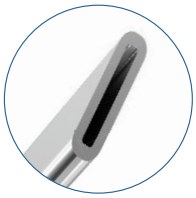
21-R2323 23 Ga × 22 mm
21-R2327 27 Ga × 22 mm **POPULAR**



*Not available in Europe
Product design and/or features that do not influence its functionality and main parameters are subject to change

HYDRODISSECTION CANNULAS

The hydrodissection cannulas with special tips are designed to be placed under the edge of the anterior capsulorhexis and toward the lens equator to deliver fluids to free the adhesions of the cataract from the capsular bag and allow it to rotate fully.



Pearce Hydrodissector

Angled 32°, spatulated tip

8 mm angled tip
21-R4025 25 Ga × 22 mm **MOST POPULAR**

10 mm angled tip
21-R4027 27 Ga × 22 mm **MOST POPULAR**

Hydrodissector

Angled 32°,
Round smooth tip, 10 mm angled tip

21-R4427 27 Ga × 22 mm

CORTEX REMOVAL CANNULAS

Used to remove cortical material during phacoemulsification.

Simcoe Cortex Extractor

0.30 mm side port

21-R5023 23 Ga × 22 mm

CYSTOTOME CANNULAS

Used to perform capsulorhexis. Tip is designed for opening of anterior capsule.

Irrigating Cystotome

Small radius. For capsulotomy
on deep-set eyes or small pupils.

21-R3330 30 Ga × 16 mm

Pearce Irrigating Cystotome

21-R3027 27 Ga × 16 mm

*Not available in Europe
Product design and/or features that do not influence its functionality and main parameters are subject to change

REFRACTIVE CANNULAS

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

Lindstorm Lasik Irrigating Cannula

3 ports
Formed 7 mm
Smooth angle curvature allows for safe flap alignment

21-R7430 25 Ga × 25 mm

LACRIMAL CANNULAS AND SETS

For surgical treatment, repair and irrigation of the nasolacrimal system.

Retrieval Device

Lacrimal Intubation Set

Silicone tubing 30 cm
Stainless Steel probes
ID – 0.30 mm
OD – 0.60 mm

21-R7001 23 Ga × 17.5 cm probe

MOST POPULAR

Lacrimal Intubation Set

Olive tip
Silicone tubing 35 cm
Stainless Steel probes

21-R7004 27 Ga × 11 cm probe
21-R7004RD 27 Ga × 11 cm probe (with retrieval device)

DCR Set

Silicone tubing 30 cm
Stainless Steel probes

21-R7011 20 Ga × 45 mm probe, straight
21-R7012 20 Ga × 45 mm probe, angled (shown)

Lacrimal Intubation Tubing

Silicone tubing 30 cm
ID – 0.30 mm
OD – 0.60 mm

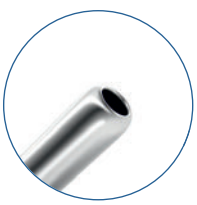
21-R7002

MOST POPULAR

Lacrimal Cannulas

21-R7021 21 Ga × 33 mm
21-R7026 26 Ga × 28 mm

MOST POPULAR



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MOST POPULAR	Best-selling item
POPULAR	SKU preferred by the majority of customers
NEW	Recently introduced into the product range of RUMEX International Co.
COMING SOON	This item will be available in RUMEX range soon
2	Disposable instruments
2	Available in a single-use edition
SS	Available in Stainless Steel
SET p.100	Featured instrument in the set on page 100
DON'T FORGET TO BUY	Frequently bought together
6 PER BOX	Quantity in the box

NEW

RUMEX continuously expands the range of instruments focusing on the latest surgical techniques.

The latest portion of new products for corneal transplantation and cataract surgery has been designed in cooperation with **leading ophthalmic surgeons.**

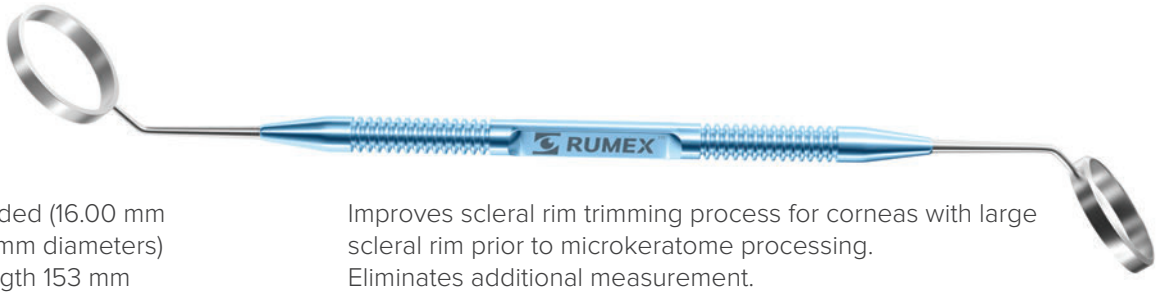
The set of instruments developed by **Eric Abdullayev MD, USA** includes unique tools that will facilitate graft management and save its integrity.

Femtosecond and Ultrachopper fracturing methods can be easily completed with the help of an atraumatic prechopper invented by **Luis Escaf, MD, Colombia.**

The section also features the newest products such as a double cross-action capsulorhexis forceps with micro-thin jaws, the most delicate tool to enter a 1.50 mm incision, and LRI marker to be used without ink.

We are pleased to offer RUMEX FLUSHING SYSTEM as one of the latest innovative achievements that allows for efficient cleaning without disassembling and promotes longevity of instruments.

3-0230 Abdullayev Scleral Marker for Keratoplasty



Double-ended (16.00 mm and 16.50 mm diameters)
Overall length 153 mm

Improves scleral rim trimming process for corneas with large scleral rim prior to microkeratome processing.
Eliminates additional measurement.

3-0231 Abdullayev Corneal Marker for Keratoplasty

Double-ended (10.00 mm and 11.00 mm diameters)
With central marking point
Overall length 146 mm

Improves centration of cornea during DSAEK microkeratome preparation.
Allows quick placement of the central dot. Facilitates placement of the donor corneas on to the donor punch.

3-024T Abdullayev I & II Marker

(for DSAEK/DMEK Grafts)

Overall length 135 mm
Titanium

I & II marks do not interfere with vision.
Provides for more stable staining.
Allows to apply 1.50 mm straight I & II marks at the very edge of the graft.
Requires no additional tissue manipulation (no punch holes, no folding or unfolding of the graft).
Saves time during graft preparation.

4-261S Abdullayev DMEK Grasping Forceps

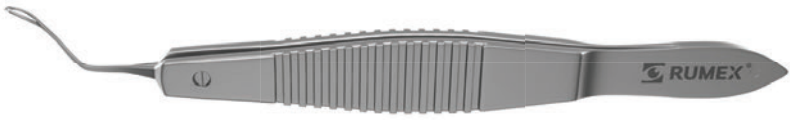
Overall length 82 mm
Stainless Steel

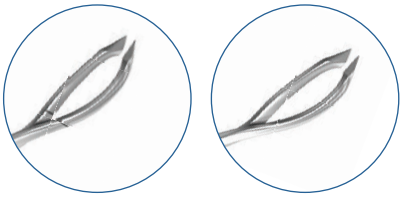
Improved angle between grasping platform, the rest of the forceps allows relaxing hand position and more control when in use.
Horizontal thin grasping platforms provide more stability in membrane holding during separation.

Product design and/or features that do not influence its functionality and main parameters are subject to change

4-033S Small-Incision Capsulorhexis Forceps
with Double Cross-Action and Scale

Cystotome tips
Micro-thin jaws
Flat handle
For 1.50 mm incisions
Overall length 105 mm
Stainless Steel

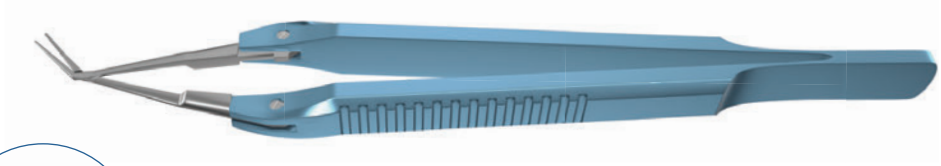




Cross-action prevents the hyperextension of the incision. Micro-thin jaws contribute to free movements in the anterior chamber. Sharp and delicate cystotome tips allow to make the first pinch easily. Tungsten carbide coating provides for better gripping.

4-0398 Cross-Action SMILE Forceps

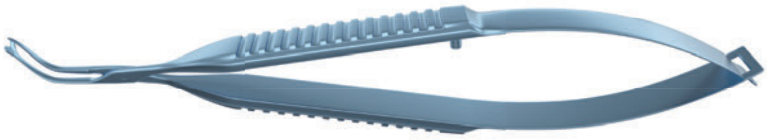
Overall length 120 mm



Cross-action prevents the hyperextension of the incision. Serrated jaw facilitates gripping of the lenticule during SMILE procedure.

4-260T ARTISAN® Implantation Forceps

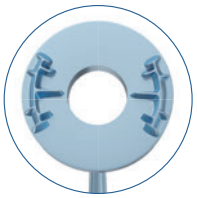
Overall length 100 mm
Titanium

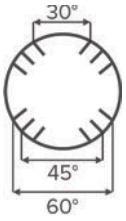


Used for implantation of toric ARTISAN® IOL. Specially designed jaws help to fixate the lens optic during the enclavation.

3-183T LRI Marker

Intra-op
30, 45, and 60 degree marks
Overall length 121 mm
Titanium





Low-profile marker
Thin beveled blades on the rotatable head precisely place arcuate marks along the axis even without the use of ink.

3-204T John DSAEK Double-Ended Marker

8.00/9.00 mm
Overall length 143 mm
Titanium

Used to mark recipient and donor cornea at at 8.00 or 9.00 mm.
A circular mark on the recipient's cornea serves as a guiding mark for Descemetorhexis.

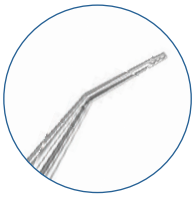
7-149S Escaf Prechopper

Straight
Round handle
Overall length 118 mm
Stainless Steel

Designed in cooperation with Dr. Escaf from Colombia. Used to complete breakdown after Femtosecond or Ultrachopper and fracture cataract with hardness less than 4+. Tolerates capsulorhexis smaller than 5.00 mm in diameter without injuring the capsule edges. Fits through 2.00 mm micro incision.

4-254S Lambright-Abdullayev Ultrathin DSAEK Grasping/ Inserting Forceps

Overall length 105 mm
Stainless Steel



Designed to improve insertion of the ultrathin DSAEK grafts especially with thickness 70 microns and less. Space between the tips is 120 microns to minimize compression and provide more safety for donor endothelial cells. Wave-shaped serration of grasping platforms on tips for nonslip insertion while allowing atraumatic forceps removal.

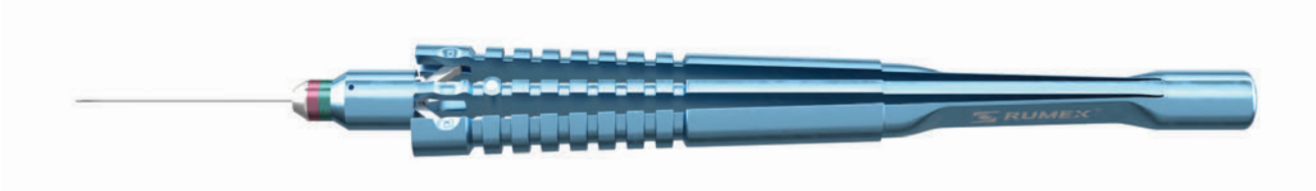
14-045T Lancaster Eye Speculum

Adjustable Mechanism with Locking Nut

Spring-control with locking mechanism and stabilizing disk
Solid-shaped slightly curved blades fit orbital margin, keep eyelashes from the surgical area, and provide optimal view.

16.00 mm solid blades
Overall length 67 mm
Titanium

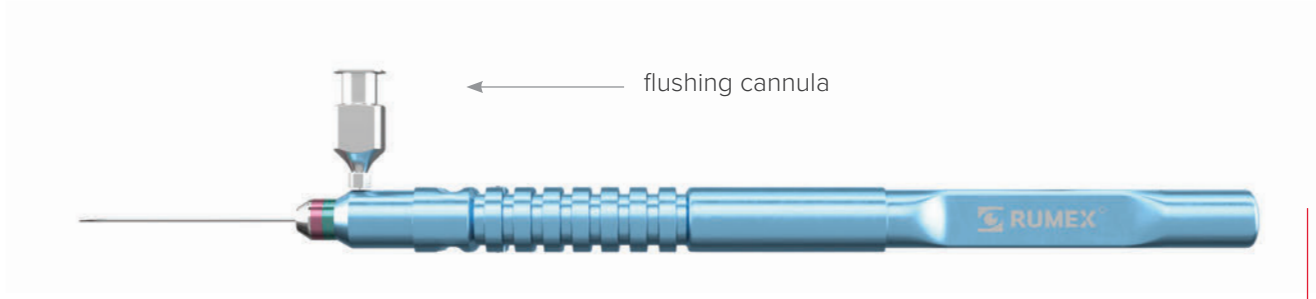
ONE-PIECE VITREORETINAL INSTRUMENTS WITH RUMEX FLUSHING SYSTEM



- The tip can be easily cleaned without disassembling
- Special flushing cannula is provided for free
- Color coding allows to identify the type and gauge of the instrument
- A wide range of tips available in 23 and 25 gauges

Please follow the cleaning instruction to increase the lifespan of the tool:

1. Insert the cannula into the flushing port as illustrated
2. Adjust a syringe to rinse with distilled water, alcohol, dry with air
3. Sterilize the instrument in the regular way



Product design and/or features that do not influence its functionality and main parameters are subject to change

REUSABLE ANTERIOR INSTRUMENTS

BLADE HOLDERS

Blade Holder

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

1-010T **POPULAR**

Bard Parker Handle

Suitable for blades # 10, 11, 12, 15, 15C
Flat serrated handle
Overall length 125 mm
Titanium or Stainless Steel

1-020S **MOST POPULAR**

CALIPERS & GAUGES

CALIPERS & KERATOMETERS

Castroviejo Caliper

Measures from 0 to 20 mm.
Scale is engraved on both sides.
Polished finish
Overall length 87 mm
Titanium or Stainless Steel

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
Diameter 30 mm
Titanium

2-064T	2.00-2.50 mm

RUMEX Internal Micro Incision Gauges

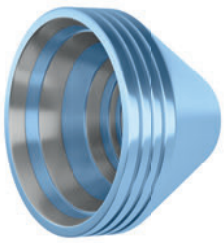
16 stainless steel blades
0.10 mm increments marks
Overall length 75 mm
Stainless Steel

2-062S	1.00-2.50 mm

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
Titanium or Stainless Steel

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



Maloney Intraoperative Keratometer

For qualitative measurement of astigmatism
Diameter 32.00 mm
Overall length 23 mm

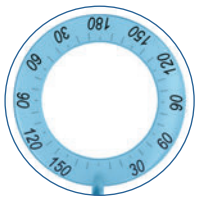
16-020T

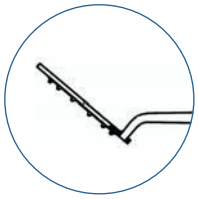
GAUGES

Accurate axial alignment on the cornea

LRI 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
ID 13.00 mm/ED 19.00 mm
Overall length 134 mm
Titanium

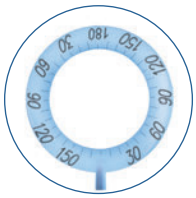




2-031T

Mendez Degree Gauge

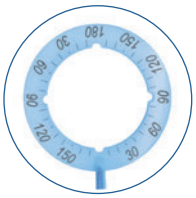
Used to determine incision angles.
Can be used with **3-090T Bores Axis Marker.**
Calibrated every 10 degrees from 0° to 180°.
Dull finish
Titanium



2-030S SS

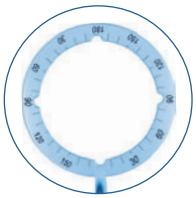
ID 13.00 mm/ ED 19.00 mm
Overall length 134 mm

2-030T **POPULAR**



With 4 grooves for better marks visualization
ID 13.00 mm/ ED 18.00 mm
Overall length 136 mm

2-033T



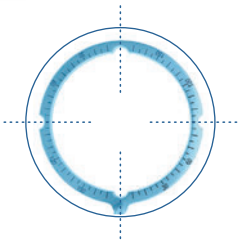
2-0331S SS

With 4 grooves for better marks visualization
ID 13.00 mm/ED 16.50 mm
Overall length 122 mm

2-0331T **POPULAR**

Mendez Grooved Fine Degree Gauge

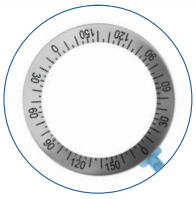
Used to determine incision angles.
Can be used with **3-091T Bores Axis Marker.**
With 4 grooves for better marks visualization
ID 12.00 mm /ED 14.00 mm
Dull finish
Overall length 133 mm
Titanium



2-036T **POPULAR**

Degree Gauge with Beveled Face

Can be used with **3-091T Bores Axis Marker.**
ID 12.00 mm/ED 16.00 mm
Overall length 132 mm
Titanium



2-036T

Product design and/or features that do not influence its functionality and main parameters are subject to change

MARKERS

AXIS MARKERS

Bores
Axis Marker

Intra-Op
Overall length 123 mm
Titanium

3-090S
SS

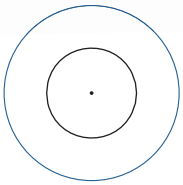
3-090T **POPULAR**
Used with Gauges
2-030T, 2-031T,
2-033T, 2-0331T
to mark the axis.
12.00 mm blades

3-091T
Used with Gauges
2-034T, 2-036T
to mark the axis.
11.50 mm blades

ECCE p.152 PHACO p.151

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 diameters
Overall length 140 mm



3-040 **POPULAR**

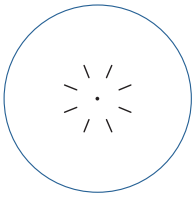
CORNEAL TRANSPLANT MARKERS

CORNEAL p.156

Corneal Transplant Marker

7.00 mm ring with 8 radial blades
With center pointer
Overall length 123 mm
Titanium

3-140T



Osher-Neumann Corneal Marker

Low profile
8 radial blades
Overall length 130 mm
Titanium

3-0304T

NEW

John DSAEK Double-Ended Marker

8.00/9.00 mm
Overall length 143 mm
Titanium

3-204T

OPTICAL ZONE MARKERS

Hoffer Optical Zone Marker

With cross hairs
Overall length 130 mm
Titanium

3-0211T	5.00 mm	3-0217T	8.00 mm
3-0212T	5.50 mm	3-0218T	8.50 mm
3-0213T	6.00 mm	3-0219T	9.00 mm
3-0215T	7.00 mm	3-0220T	9.50 mm
3-0216T	7.50 mm		

NEW

DSEK, DSAEK, DMEK p.157

Abdullayev Scleral Marker for Keratoplasty

Double-ended
(16.00 mm and 16.50 mm diameters)
Overall length 153 mm

3-0230

Improves scleral rim trimming process for corneas with large scleral rim prior to microkeratome processing.
Eliminates additional measurement.

NEW

DSEK, DSAEK, DMEK p.157

Abdullayev Corneal Marker for Keratoplasty

Double-ended
(10.00 mm and 11.00 mm diameters)
With central marking point
Overall length 146 mm

3-0231

Improves centration of cornea during DSAEK microkeratome preparation.
Allows quick placement of the central dot. Facilitates placement of the donor corneas on to the donor punch.

NEW

DSEK, DSAEK, DMEK p.157

Abdullayev I & II Marker

(for DSAEK/DMEK Grafts)

Overall length 135 mm
Titanium

3-024T

I & II marks do not interfere with vision.
Provides for more stable staining.
Allows to apply 1.50 mm mm straight I & II marks at the very edge of the graft.
Requires no additiona tissue manipulation (no punch holes, no folding or unfolding of the graft). Saves time during graft preparation.

Product design and/or features that do not influence its functionality and main parameters are subject to change

Optical Zone Marker

ICRS p.158

Used to mark visual center for ICRS implantation procedure.
Double-ended
Visual center marker 0.15 mm wide
Sinskey hook 0.50 mm wide
Overall length 141 mm
Titanium handle

3-034

Tunnel Zone Marker

ICRS p.158

Marks tunnel for future ring position with initial lines for incisions.
ID 4.00 mm/ED 6.00 mm
Creates 2.00 mm lines.
40° angled to handle
Overall length 127 mm
Titanium

3-143T

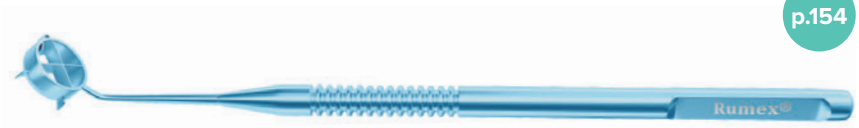
LASIK MARKERS

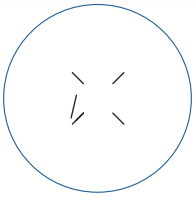
Lavery LASIK Marker

LASIK p.154

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

3-174T



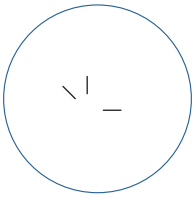


LASIK Flap Marker

FEMTOLASIK p.154

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 **POPULAR**

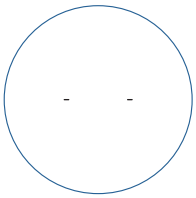


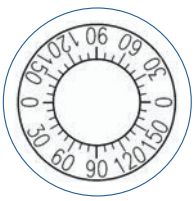
TORIC IOL MARKERS

Toric IOL Marker

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

3-181





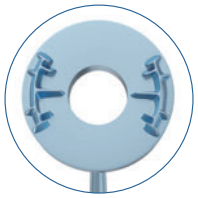
Product design and/or features that do not influence its functionality and main parameters are subject to change

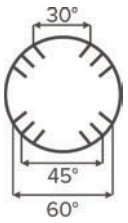
LRI Marker

Intra-Op
30-45-60°
Overall length 121 mm
Titanium

3-183T

NEW





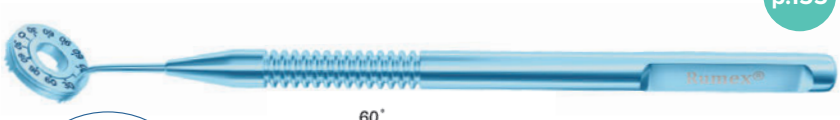
Low-profile marker
Thin beveled blades on the rotatable head precisely place arcuate marks along the axis even without the use of ink.

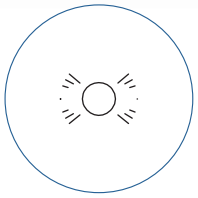
LRI p.155

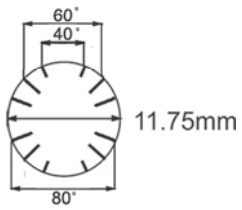
LRI Marker

Intra-Op
Automatically creates marks at 40-60-80°.
Overall length 130 mm
Titanium

3-1801



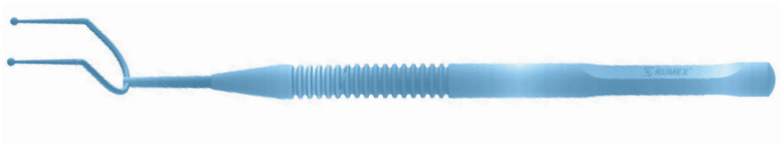




LRI Axis Marker

Pre-Op reference marker
Horizontal axis 3' and 9'
Overall length 120 mm
Titanium

3-190T



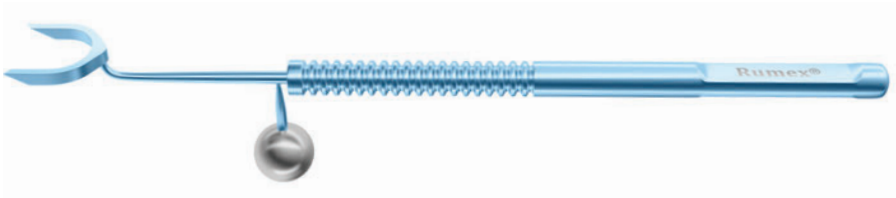
LRI/TORIC MARKERS WITH GRAVITY WEIGHT SYSTEM

Gravity weight system for precise stabilization of the scale not interfering with a grip

LRI Slit Lamp Gravity Marker

Pre-Op, 14.00 mm
Horizontal axis 3' and 9'
Overall length 138 mm
Titanium

3-191



Lum LRI Gravity Axis Marker

Pre-Op, 14.00 mm
Angled, horizontal axis 3' and 9'
Overall length 140 mm
Titanium

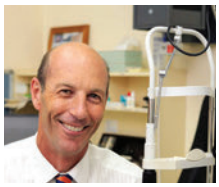
3-192

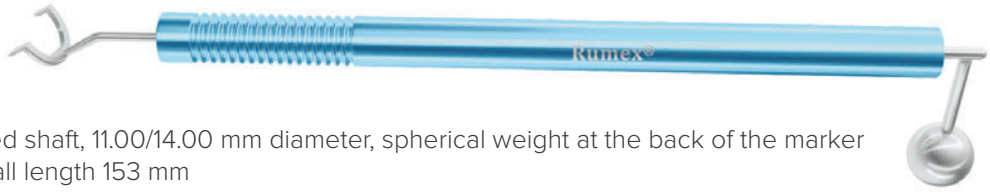
Product design and/or features that do not influence its functionality and main parameters are subject to change

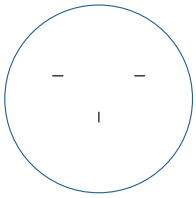
Whitehouse Gravity Axis Marker

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.

Designed in cooperation with Geoff Whitehouse, M.D., Australia







Angled shaft, 11.00/14.00 mm diameter, spherical weight at the back of the marker
Overall length 153 mm
3-193 **POPULAR**

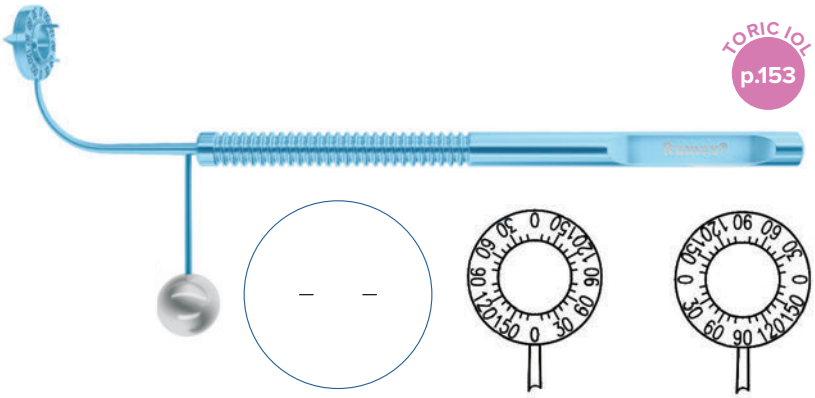
Straight shaft, 11.00/14.00 mm diameter, spherical weight at the back of the marker
Overall length 152 mm
3-1931

Straight shaft, 9.50/12.00 mm diameter, cylindrical weight at the back of the marker
Overall length 153 mm
3-1932

RUMEX Toric Combo Marker

Marks both horizontal and toric axis pre-operatively, which eliminates an Intra-Op step.
Equipped with rotating ring for accurate alignment.
Reduces cyclotorsion effect in supine position.
Overall length 125 mm

3-194 Vertical axis
3-1941 Horizontal axis



3-194 3-1941

MARKING PENS

DON'T FORGET TO BUY

STERILE 2 10 PER BOX

Disposable Marking Pen

Double-ended
20-050

MARKERS FOR LRI/IOL IMPLANTATION WITH GRAVITY WEIGHT SYSTEM

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

Velazquez Gravity Corneal Marker for LRI/Toric IOL Implantation

Overall length 164 mm

3-195

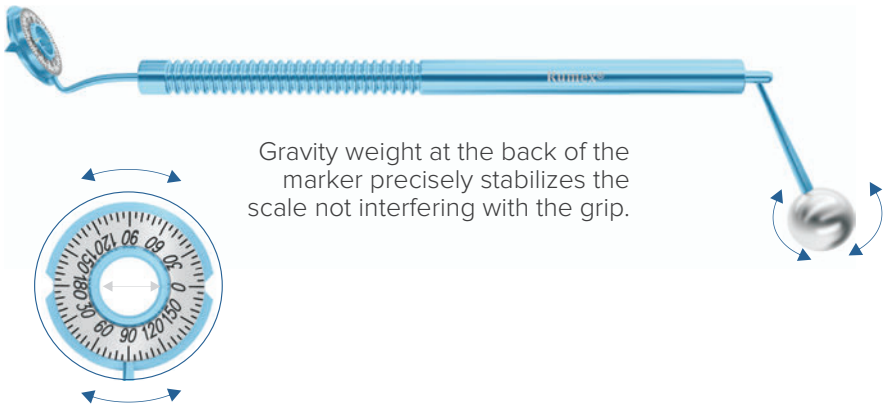
4 radial blades mark the horizontal and vertical meridians of the visual axis.

The internal marks help to check the IOL alignment at the end of the 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.



Gravity weight at the back of the marker precisely stabilizes the scale not interfering with the grip.

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

Richman Single-Step Toric Marker

Designed to mark the desired axis of toric placement.

Angled shaft

Overall length 132 mm

3-196 **MOST POPULAR**

The mark is performed preoperatively, 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, angled to avoid the lower eyelid when marking while still being able to rest your hand on the patient's cheek for stability.

A wide central opening for better centration when marking.

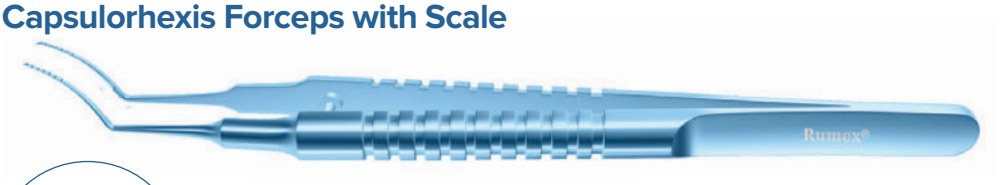
A VARIETY OF CAPSULORHEXIS FORCEPS

STANDARD

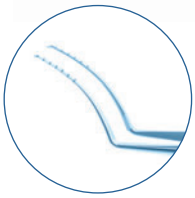
3.0 mm

4-03315T Utrata Capsulorhexis Forceps with Scale

Cystotome tips, TC*



Scale for measuring the size of capsulorhexis



Curved shafts prevent corneal deformation.

4-0331D Disposable Utrata Capsulorhexis Forceps

STERILE **2** **6 PER BOX**

Cystotome tips

MOST POPULAR

- ✓ Meets quality standards applied to reusable tools
- ✓ Always ready to use

SMALL-INCISION

Internal limiter prevents the jaws from opening wider than intended.

2.0 mm

4-0312S Microcoaxial Capsulorhexis Forceps with Alignment Mechanism

Cystotome tips, TC*

MOST POPULAR

Limited to 2.00 mm

4-032S Small-Incision Capsulorhexis Forceps with Limiter and Wide Opening

Cystotome tips, TC*

POPULAR

Scale for measuring the size of capsulorhexis

Limited to 2.00 mm

View-port for better visualization

*TC – Tungsten Carbide coating makes the platform rough enough for controlled gripping and prevents adhesion of the capsule.
Product design and/or features that do not influence its functionality and main parameters are subject to change

SMALL-INCISION

1.5 mm

4-0395 Capsulorhexis Forceps with Cross-Action and Scale

MOST POPULAR

Cystotome tips, TC*

Scale for measuring the size of capsulorhexis

- ✓ Cross-action prevents hyperextension of the incision
- ✓ Hinge joints ensure even distribution of pressure at three points of forceps

4-033S Small-Incision Capsulorhexis Forceps with Double Cross-Action and Scale

Cystotome tips, TC*

Scale for measuring the size of capsulorhexis

- ✓ Double cross-action guarantees fixed opening for free movements within the wound

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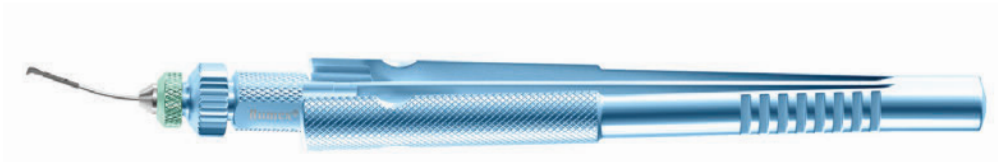
MICS

sub 1.0 mm

4-03742 Lesieur Capsulorhexis Forceps with Internal Ruler

12-003T Universal Squeeze Handle



Scale for measuring the size of capsulorhexis

Cystotome tips

Anti-glare coating

- ✓ 23 Ga tube minimally disrupts biomechanics of cornea
- ✓ MICS tips are used with RUMEX Universal Handle and can be easily disassembled for cleaning after the surgery

Product design and/or features that do not influence its functionality and main parameters are subject to change

FORCEPS

CAPSULORHEXIS FORCEPS

Tungsten carbide coated cystotome tips for better gripping

Utrata Capsulorhexis Forceps

11.50 mm jaws
Flat handle

Straight jaws
Regular tips
Titanium
Overall length 82 mm

4-030T

4-0300S SS

Straight jaws
Cystotome tips
Titanium
Overall length 82 mm

4-0300T **MOST POPULAR**

4-0301S SS

Straight jaws
Cystotome tips
Titanium
Overall length 107 mm

4-0301T **MOST POPULAR**

4-0321S SS

Curved jaws
Cystotome tips
Titanium
Overall length 107 mm

4-0321T **MOST POPULAR**

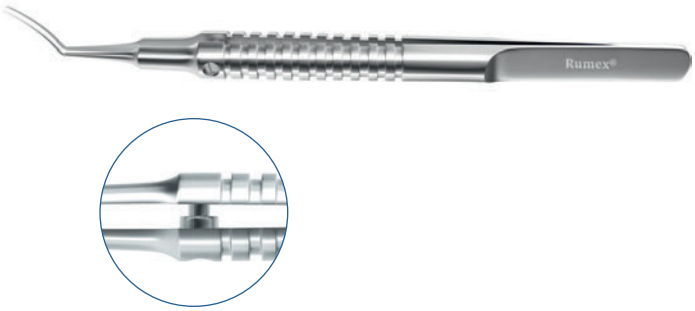
Nevyas Capsulorhexis Forceps

Straight jaws, 11.50 mm
Cystotome triangular claw-shaped tips
Overall length 105 mm
Titanium

4-0352T

Product design and/or features that do not influence its functionality and main parameters are subject to change

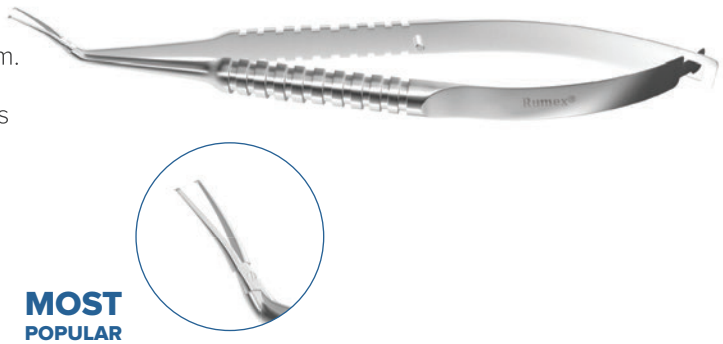
Microcoaxial Capsulorhexis Forceps with Limiter



Curved jaws, 11.50 mm
Cystotome tips
Ultra-thin profile and limiter for capsulorhexis even through 2.00 mm incision
Round handle
Overall length 106 mm
Stainless Steel

4-0312S **MOST POPULAR**

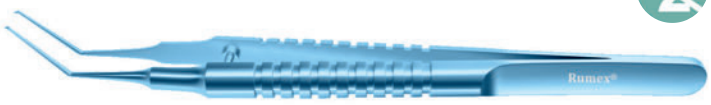
Inamura Type RUMEX Capsulorhexis Forceps



Designed to fit through incisons down to 2.00 mm.
Recommended for coaxial phacoemulsification.
Cross-action maintains alignment of tips, prevents leakage of viscoelastic from anterior chamber.
Curved jaws
Cystotome tips
Round handle
Overall length 115/117 mm
Stainless Steel

4-0391S jaws 10.00 mm, for corneal incision **MOST POPULAR**
4-0392S jaws 12.00 mm, for scleral incision **POPULAR**

Utrata Capsulorhexis Forceps



11.50 mm jaws
Round handle
Titanium
Overall length 110 mm

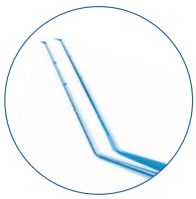
4-0311D

4-03114T, 4-03115T, 4-03314T, 4-03315T
Engravings for precise measurement inside the anterior chamber

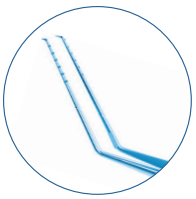
4-0311S SS

Straight jaw
Cystotome tips
4-0311T

Straight jaws
Regular tips
4-031T **MOST POPULAR**



Straight jaws
Cystotome tips, with ruler
2 engravings at 3,6 mm
4-03114T

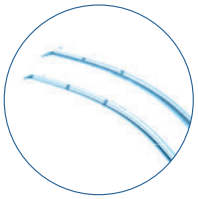


4-03115S SS

Straight jaws
Cystotome tips, with ruler
6 engravings at 1,2,3,4,5, 6 mm
4-03115T **POPULAR**

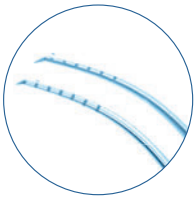
4-0331S SS
4-0331D

Curved jaws
Cystotome tips
4-0331T **MOST POPULAR**



4-03314S SS

Curved jaws
Cystotome tips, with ruler
2 engravings at 3,6 mm
4-03314T **POPULAR**



4-03315S SS

ECCE p.152 PHACO p.151

Curved jaws
Cystotome tips, with ruler, 6 engravings at 1,2,3,4,5,6 mm
4-03315T **POPULAR**

Product design and/or features that do not influence its functionality and main parameters are subject to change

Small-Incision Capsulorhexis Forceps

PHACO p.151

Curved micro-thin jaws
Cystotome tips
With limiter
For 2.00 mm incisions
Flat handle
Overall length 105 mm
Stainless Steel

4-032S **POPULAR**

Small-incision Capsulorhexis Forceps with Double Cross-Action and Scale

Micro-thin jaws with fixed opening contribute to free movements in the anterior chamber

NEW

Micro-thin jaws
Cystotome tips
Flat handle
For 1.50 mm incisions
Overall length 105 mm
Stainless Steel

4-033S

PRECHOP p.151 MICS p.151

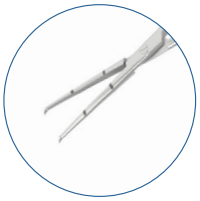
Cross-Action Capsulorhexis Forceps with Scale

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

Hinge joints allow for enhanced durability and even distribution of pressure at three points of the tool

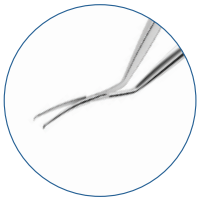
Jaws 8.50 mm
Scale of 2.50 mm, 5.00 mm from the tip
For 1.50 mm incisions
Overall length 110 mm

Curved Stainless Steel



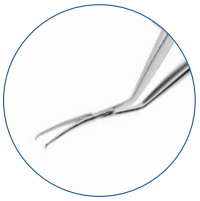
Flat Handle, Titanium

4-0395 **MOST POPULAR**



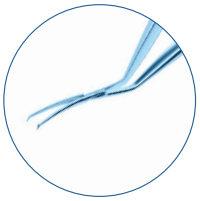
Round Handle, Titanium

4-0394



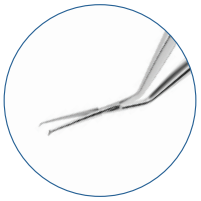
Flat Handle, Stainless Steel

4-0395S



Curved Jaws, Titanium
Flat Titanium Handle

4-0395T



Straight Jaws, Stainless Steel
Flat Titanium Handle

4-0396

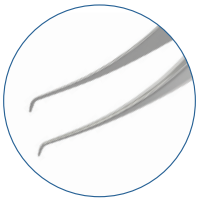
FORCEPS FOR LASER-ASSISTED SURGERY

FEMTOCATARACT p.153

Forceps for Femtosecond Laser Cataract Procedure

Special blunt-ended tips
Cross-action facilitates quick and safe incision opening.
Ultrathin delicate tips are safe for the wound edges.
Flat handle
Overall length 108 mm
Stainless Steel

4-0582S



Product design and/or features that do not influence its functionality and main parameters are subject to change

MICS CAPSULORHEXIS FORCEPS

- Micro jaws, 0.80 mm incision
- Exquisite gripping function
- Anti-glare matte finishing
- Stiff and flexible Stainless Steel tube

Kershner One-Pinch Capsulorhexis Forceps

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

4-03731* 23 Ga
For high vacuum phaco

4-03741* 23 Ga **POPULAR**
Micro jaws
Reduced length of the branches for better maneuverability in the anterior chamber during capsulorhexis

Capsulorhexis Forceps with Micro Jaws and Internal Ruler

The internal laser marks allow to measure the size of rhexis.
Curved shaft
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

4-0374

4-0375

Lesieur
Capsulorhexis Forceps with Internal Ruler

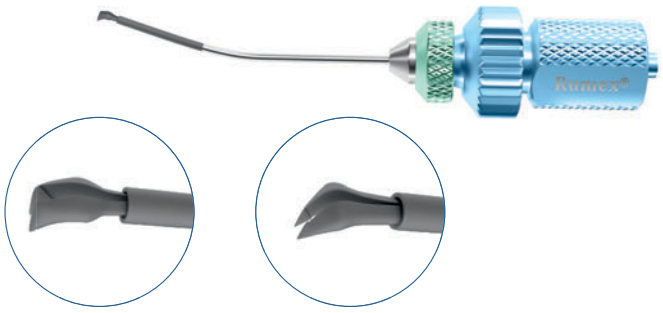
Shorter jaws facilitate gripping the capsule close to the wound.
Gently curved and short shaft for better maneuverability in the anterior chamber.
7 engravings at 1,2,2.5,3,4,5,6 mm for perfect sizing of the rhexis
Cystotome tips
With fixation wheel
Compatible with Squeeze Handle 12-003T

4-03742* 23 Ga

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change

Ikeda Capsulorhexis Forceps

Curved shaft
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



Fine-Ikeda Capsulorhexis Forceps with Micro Jaws, 23 Ga

4-03751* 23 Ga

Ikeda Micro Capsulorhexis Forceps, 23 Ga

4-03761* 23 Ga

Kawai Capsulorhexis Forceps

MICS p.151

Curved tapered elongated 23/25 Ga shaft
The construction of the forceps shows 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

7 engravings at 1,2,2.5,3,4,5,6 mm
for perfect sizing of the rhexis
Reduced length, gently curved tube
Cystotome tips
With fixation wheel
Compatible with Squeeze Handle 12-003T

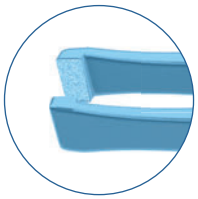
4-03791* 23 Ga

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change

CILIA FORCEPS

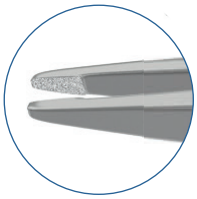
Cilia

Smooth jaws
Flat handle



Wide forceps
Overall length 85 mm
Titanium

4-043T **POPULAR**



Narrow forceps
Overall length 86 mm

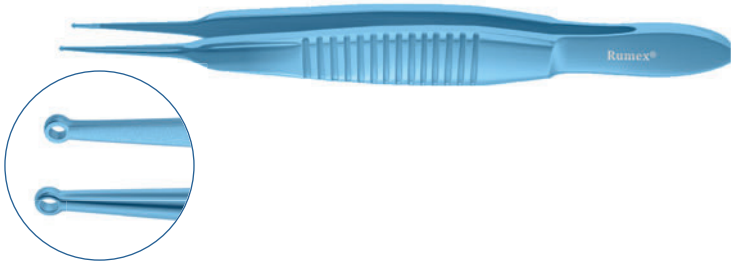
4-042T Titanium **POPULAR**
4-042S Stainless Steel

CONJUNCTIVA FORCEPS

Fechtner Conjunctiva Forceps

Delicate ring tip jaws
Flat handle
Overall length 108 mm
Titanium

4-2301T **MOST POPULAR**



LID AND CHALASION FORCEPS

Desmarres Chalazion Forceps

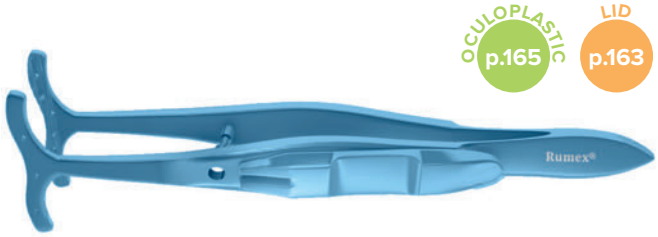
Solid lower plate, open upper plate
Locking thumb screw mechanism
Flat handle
Overall length 96/90/92 mm
Titanium

4-1906T	Large size 31.00×17.40 mm (shown)	**POPULAR**
4-1907T	Small size 19.80×10.40 mm	**POPULAR**
4-1912T	Medium size 24.00×16.00 mm	**POPULAR**

Lambert Chalazion Forceps

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

4-1908T	Small, 8.00 mm ID of the upper plate	**MOST POPULAR**
4-1909T	Medium, 12.00 mm ID of the upper plate (shown)	



Putterman Lid Clamp

6 Pins
Serrated jaws
Sliding lock
Overall length 100 mm
Titanium

4-140T **POPULAR**

Product design and/or features that do not influence its functionality and main parameters are subject to change

COMPRESSING LID FORCEPS

Dysfunctional meibomian glands often cause dry eyes. They may also contribute to blepharitis. Physical expression of the blocked glands has the goal of removing gland obstruction.

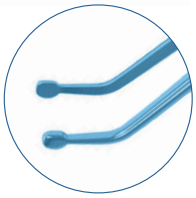
LID p.163

Compressing Lid Forceps

Designed for mechanical meibum removal.
Curved
Flat handle
Overall length 112 mm
Titanium

4-1913T **MOST POPULAR**

Obtains quick and delicate meibum expression by equal compressing of the eyelid from the internal and external sides.



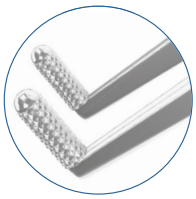
LID p.163

Compressing Lid Forceps
with Atraumatic Rollers

Designed for mechanical meibum removal.
Flat handle
Overall length 107 mm
Stainless Steel

4-124S **POPULAR**

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



LASIK FLAP FORCEPS

FEMTOLASIK p.154 LASIK p.154

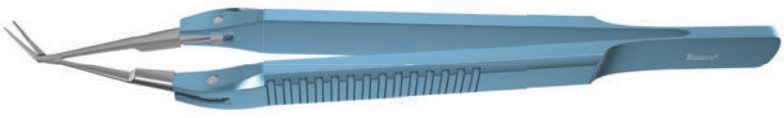
LASIK Flap Forceps

Specially designed for LASIK.
For atraumatic corneal flap lifting and holding
Blunt, circle-shaped tips
Criss-cross serrations on the jaws
Curved shafts
Flat handle
Overall length 108 mm
Titanium

4-2206T

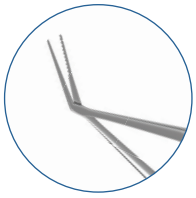
SMILE FORCEPS

Cross-Action SMILE Forceps



Cross-action prevents the hyperextension of the incision.
Serrated jaw facilitates gripping of the lenticule during SMILE procedure.
Flat handle
Overall length 120 mm

4-0398



Product design and/or features that do not influence its functionality and main parameters are subject to change

SMILE FORCEPS

Stodulka 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 serrated) ensures the efficient grasping of the lenticule.
Angled
Flat handle
Overall length 100 mm
Stainless Steel

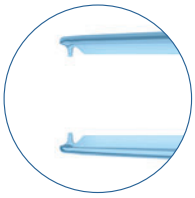
4-2012S **POPULAR**

ICRS FORCEPS

ICRS p.158

Forceps for ICRS Implantation

0.20 mm 1×1 teeth
0.30 mm groove
Flat handle
Overall length 85 mm
Titanium



4-2144T

CORNEAL FORCEPS

Tungsten carbide coated platform for an even greater grip and increased control

Colibri Corneal Forceps

5.00 mm tying platform
Flat handle

4-0501S SS

4-050S SS

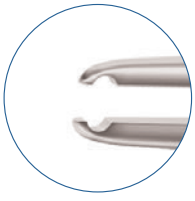
Colibri
1x2 teeth 0.12 mm
Titanium
Overall length 84 mm
4-050T **MOST POPULAR**

4-0504S SS

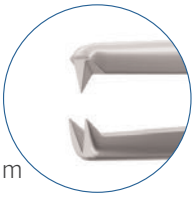
Colibri-Bonn
1x2 teeth 0.12 mm
Titanium
Overall length 77 mm
4-0504T **MOST POPULAR**

Colibri
1x2 teeth 0.12 mm
Titanium
Overall length 77 mm
4-0501T **MOST POPULAR**

Micro Colibri
1x2 teeth 0.12 mm
Titanium
Overall length 73 mm
4-0505T **MOST POPULAR**



Hoskin Colibri
Pierced tips
Stainless Steel
Overall length 84 mm
4-0502S



Colibri-Bonn
1x2 teeth 0.12 mm
Stainless Steel
Overall length 84 mm
4-0503S **MOST POPULAR**

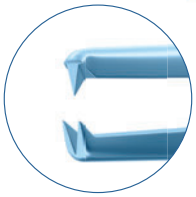
Product design and/or features that do not influence its functionality and main parameters are subject to change

Tungsten carbide coated platform for an even greater grip and increased control

Colibri Corneal Forceps

Bonn type 1×2 teeth, 0.12 mm
Tying platform, 5.00 mm
Flat handle
Overall length 115 mm
Titanium

4-053T



Castroviejo Colibri Corneal Forceps

1.2 teeth, 0.12 mm
Tying platform, 5.00 mm
Flat handle
Overall length 107 mm
Titanium

4-0541T

Colibri Corneal Forceps

1×2 teeth, 0.12 mm
Tying platform, 5.00 mm
Round handle
Overall length 109 mm
Titanium

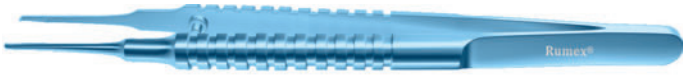
4-054T Regular tips
4-0540T Bonn type tips

4-054T

4-0540T

Corneal Forceps

5.00 mm tying platform
Titanium



Catalano
Round handle
Overall length 105 mm

1x2 teeth 0.12 mm
4-055T **POPULAR**

1x2 teeth 0.30 mm
4-056T

1x2 teeth 0.50 mm
4-057T

Bonn-Catalano
1x2 teeth 0.12 mm
Round handle
Overall length 105 mm

4-0551T **POPULAR**

Bonn
1x2 teeth 0.12 mm
Flat handle
Overall length 94 mm
Medium size

4-058T **MOST POPULAR**

Bonn
1x2 teeth 0.12 mm
Flat handle
Overall length 72 mm
Small size

4-059T

Product design and/or features that do not influence its functionality and main parameters are subject to change

CORNEAL TRANSPLANTATION FORCEPS

DSEK, DSAEK, DMEK p.157

Florakis Endothelial Forceps

Designed to assist in the removal of endothelium from the host cornea.
Reversed triangular tips, angled 75°
Flat handle
Overall length 103 mm
Stainless Steel

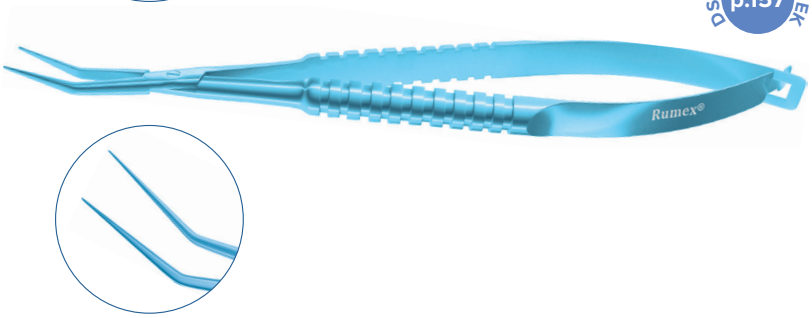
4-246S

DSEK, DSAEK, DMEK p.157

Corneal Donor Insertion Forceps

Designed for atraumatic insertion of the donor lamella folded in a taco shape.
30° angled, 18.00 mm tip
Round handle
Overall length 125 mm
Titanium

4-2019T



DSEK, DSAEK, DMEK p.157

Florakis Microinvasive Endothelial Forceps

Designed to assist in the removal of endothelium from the host cornea.
With fixation wheel
Compatible with Squeeze Handle 12-003T

4-247* 23 Ga

DSEK, DSAEK, DMEK p.157

Forceps for Corneal Endothelium Implantation

For inserting the donor button with the pull-through technique
Provides for security of corneal stromal layer.
Compatible with Squeeze Handle 12-003T
Can be used for SMILE lenticule extraction.

4-034* 23 Ga

DSEK, DSAEK, DMEK p.157

Guell DMEK Forceps

Highly polished broad tips allow to peel the endothelial membrane safely without risk of tearing.
Overall length 103 mm
Stainless Steel

4-240

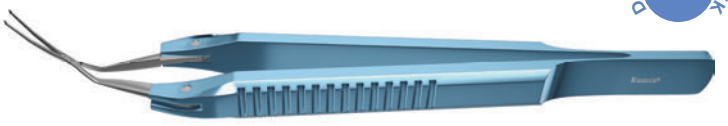
*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change

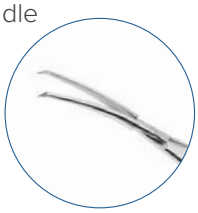
Cross-Action DMEK Forceps

DSEK, DSAEK, DMEK p.157

Overall length 110 mm

4-251	Flat Titanium handle
4-262	Round Titanium handle
4-262S	Flat Stainless Steel handle





Reversed tips are used to peel off the Descemet's membrane through a 1.80 mm incision.

Lambright-Abdullayev Ultrathin DSAEK Grasping/Inserting Forceps

NEW

Flat handle
Overall length 105 mm
Stainless Steel

4-254S

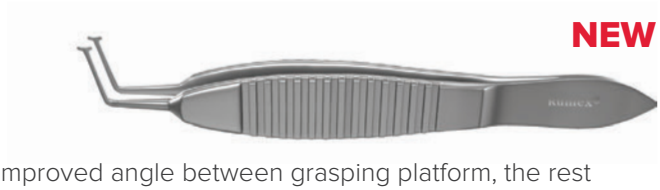
Designed to improve insertion of the ultrathin DSAEK grafts especially with thickness 70 microns and less. Space between the tips is 120 microns to minimize compression and provide more safety for donor endothelial cells. Wave-shaped serration of grasping platforms on tips for nonslip insertion while allowing atraumatic forceps removal.

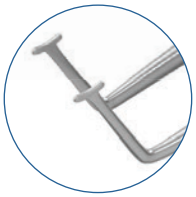
Abdullayev DMEK Grasping Forceps

NEW

Flat handle
Overall length 82 mm
Stainless Steel

4-261S





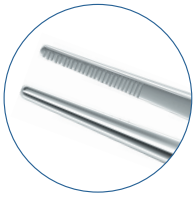
Improved angle between grasping platform, the rest of the forceps allows relaxing hand position and more control when in use.
Horizontal thin grasping platforms provide more stability in membrane holding during separation.

DRESSING FORCEPS

Dressing Forceps with Delicate Serrations

Straight serrated tips, 6.00 mm
Round handle
Overall length 108 mm
Stainless Steel

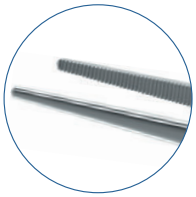
4-070S **POPULAR**



Dressing Forceps with Delicate Serrations

Serrated tips, 12.00 mm
Flat handle
Overall length 100 mm
Stainless Steel or Titanium

4-071S	Straight	**MOST POPULAR**
4-072T	Curved	



4-071S

4-072T

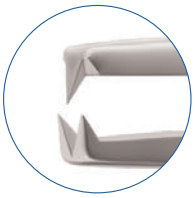
Product design and/or features that do not influence its functionality and main parameters are subject to change

FIXATION FORCEPS

Adson Fixation Forceps with Teeth

Ideal for plastic & reconstructive surgery
Flat handle
Overall length 124 mm
Stainless Steel or Titanium

4-0741S	1x2 teeth, 0.50 mm	**POPULAR**
4-0741T	1x2 teeth, 0.50 mm	
4-0740T	Serrated tip	
4-0740S	Serrated tip	



4-0741S

4-0740S

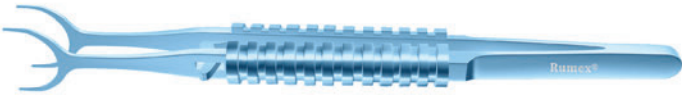
CORNEAL p.156 DLEK p.158

Polack Corneal Transplant Fixation Forceps

Two point fixation
Delicate 1x2 teeth
1.20 mm between the tips
Curved shafts
Pierce type tips
Round handle
Overall length 112 mm
Titanium

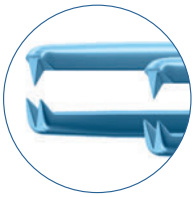
4-0814T **POPULAR**

Nevyas-Wallace Fixation Forceps



Two point fixation
13.00 mm between the ends
1×2 teeth, 0.12 mm
Straight shafts
Round handle
Overall length 105 mm
Titanium

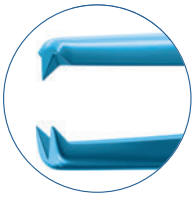
4-08011T



Castroviejo Fixation Forceps

Straight shafts
1×2 teeth, 0.50 mm
Flat handle
Overall length 109 mm
Titanium

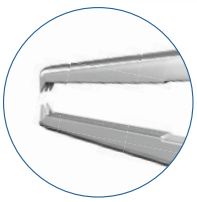
4-0822T **POPULAR**



Lester Fixation Forceps

Straight tips
6.00 mm platforms
2x3 teeth
Flat handle
Overall length 105 mm
Stainless Steel

4-0832S



Product design and/or features that do not influence its functionality and main parameters are subject to change

LENS INSERTERS

PHACO p.151 ECCE p.152 4-2107S SS

Steinert
Paddle Lens Folding Forceps

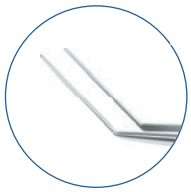
Angled shafts
Flat handle
Overall length 110 mm
Titanium

4-2107T

Faulkner
Lens Holding Forceps

Angled shafts
Smooth jaws
Flat handle
Overall length 105 mm
Stainless Steel

4-2108S **MOST POPULAR**

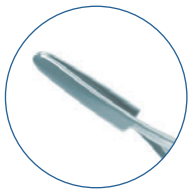


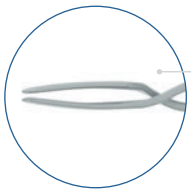
ECCE p.152

McDonald
Inserting Forceps for Silicone Lens

Concave jaws, 5.00 mm
Cross-action
Flat handle
Overall length 107 mm
Stainless Steel

4-2113S





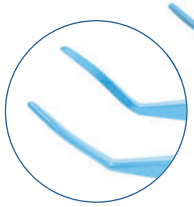
topside view

4-2132S SS

Acrylic Lens Insertion Forceps

Flat handle
Overall length 105 mm
Titanium

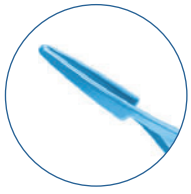
4-2132T **MOST POPULAR**

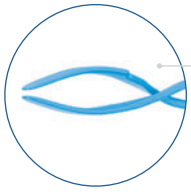


Akahoshi
Forceps for Acrylic Lens

Thin and smooth jaws, 7.00 mm
Jaws open up to 5.50 mm
Cross-action
Flat handle
Overall length 108 mm
Titanium

4-2138T





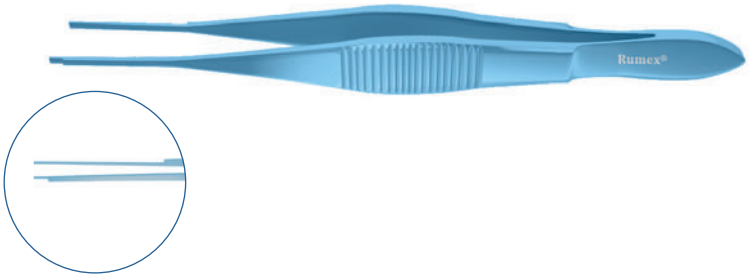
topside view

Product design and/or features that do not influence its functionality and main parameters are subject to change

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
Flat handle
Overall length 109 mm
Titanium

4-2141T



IOL Grasping Forceps

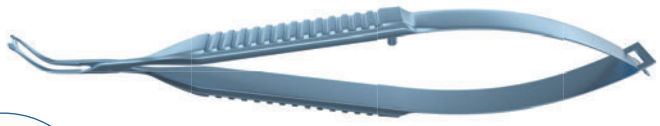
Designed to reach and hold the IOL optic and haptic.
Curved shaft
Sand-blasted surfaces for efficient gripping
Fenestrated jaws for better visualization and haptic manipulation
With fixation wheel
Compatible with Squeeze Handle 12-003T

4-2145* 21 Ga

ARTISAN® Implantation Forceps

Used for implantation of toric ARTISAN® IOL.
Specially designed jaws help to fixate the lens optic during the enclavation.
Flat handle
Overall length 100 mm
Titanium

4-260T



IOL REMOVING INSTRUMENTS

Rowen Rescue Kit for Foldable Lens Removal

Rowen Rescue Kit Forceps

Crocodile type intraocular forceps for foldable lens removal
To remove silicone or acrylic IOL in case of complications
Curved shaft
Compatible with Squeeze Handle 12-003T

4-2150* 19 Ga **MOST POPULAR**

Rowen Rescue Kit Scissors

Intraocular scissors for foldable lens removal
To remove silicone or acrylic IOL in case of complications
Curved shaft
Compatible with Squeeze Handle 12-003T

4-2151* 18 Ga **POPULAR**

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change

Micro Foldable Lens Cutter

Intraocular scissors for foldable lens removal
To remove silicone or acrylic IOL in case of complications
Blades with notches
Curved shaft
Compatible with Squeeze Handle 12-003T

4-2173* 19 Ga

RUMEX Foldable Lens Cutter

Designed to cut and remove all types of foldable intraocular lenses through a small incision.
Upper blade of the scissors has three bevels for effective cutting and grasping of the IOL.
Flat squeeze Titanium handle
Overall length 113 mm

4-21731 **MOST POPULAR**

RUMEX Foldable Lens Removing Forceps

Designed to grasp and remove all types of foldable intraocular lenses through a small incision.
Flat squeeze Titanium handle
Overall length 114 mm

4-21741 **POPULAR**

Osher IOL Scissors

To cut silicone or acrylic IOL in case of complications
8.50 mm blades with serrations to fixate the lens
Flat handle
Overall length 91 mm
Stainless Steel

4-2175S **POPULAR**

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change

ICL FORCEPS

ICL p.155

ICL™ Cartridge Loading Forceps

Designed to remove the ICL from the container and push it inside the cartridge.
Angled 30° long jaws
Round handle
Overall length 120 mm

4-20111T Titanium
4-20111S Stainless Steel

ICL™ - registered trademark of STAAR®

ICL™ Coaxial Angled ICL™ Loading Forceps

Designed to load the ICL™ inside the catridge to ensure proper positioning by pulling from the distal opening.
Straight shaft
Non rotatable
With fixation wheel
Compatible with Squeeze Handle 12-003T

4-21431* 20 Ga

ICL™ - registered trademark of STAAR®

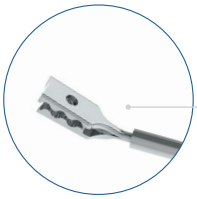
NEW ICL p.155

Zaldivar-Kraff ICL™ Pacman Forceps

Designed to load the ICL™ inside the catridge to ensure proper positioning by pulling from the distal opening.
Atraumatic ridges and the gentle curve at the tips to grasp the ICL® without damage.
Straight shaft, angled tips
With fixation wheel
Compatible with Squeeze Handle 12-003T

4-21432* 20 Ga

ICL™ - registered trademark of STAAR®



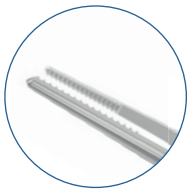
A view-port on the upper jaw for perfect visualization

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change

IRIS FORCEPS

Iris Forceps

Flat handle
Overall length 72 mm
Stainless Steel



Straight shafts
Fine serrated tips
Delicate serrations

4-100S

1x2 Delicate teeth, 0.06 mm

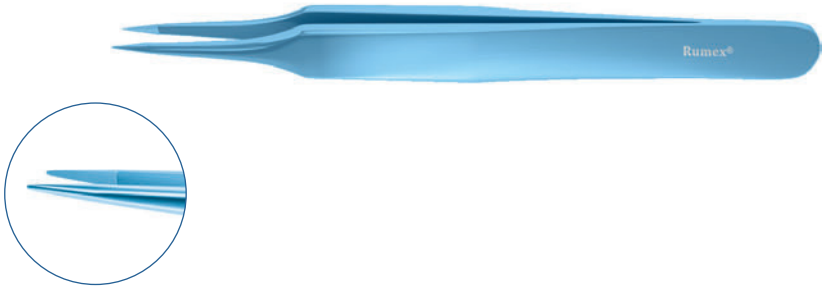
4-101S Straight shaft (shown) **POPULAR**
4-102S Curved shaft

JEWELER FORCEPS

Jeweler #5 Forceps

Pointed tips
Tying platform 6.00 mm
Straight jaws
Flat handle
Overall length 110 mm
Titanium

4-111T **MOST POPULAR**



Jeweler #3C Forceps

Pointed tips
Tying platform 6.00 mm
Straight jaws
Flat handle
Overall length 110 mm
Titanium

4-113T **MOST POPULAR**

Jeweler #7 Forceps

Pointed tips
Tying platform 6.00 mm
Curved jaws
Flat handle
Overall length 110 mm
Titanium

4-115T

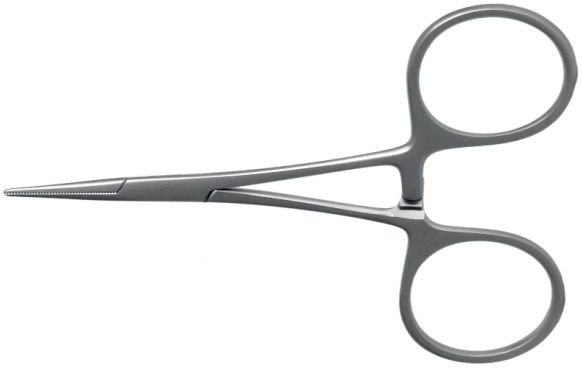
HEMOSTATIC FORCEPS AND SERREFINES

Hartman
Hemostatic Mosquito Forceps

Serrated jaws
Ring handle
Overall length 90 mm
Stainless Steel

4-120S Straight (shown)
4-121S Curved

MOST POPULAR

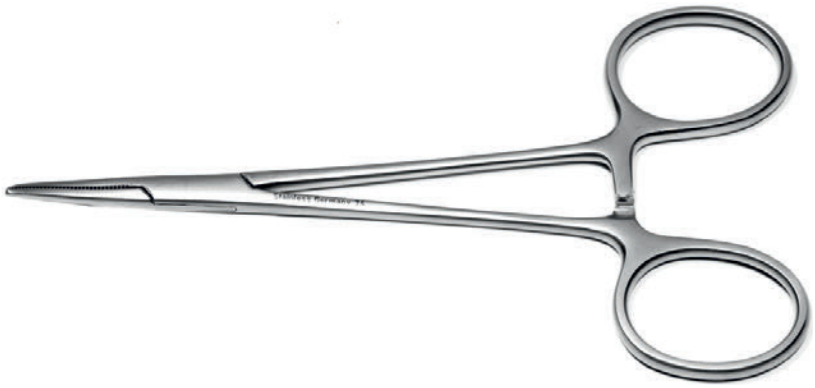


Halsted
Hemostatic Mosquito Forceps

Serrated jaws
Ring handle
Overall length 125 mm
Stainless Steel

4-122S Straight (shown)
4-123S Curved

MOST POPULAR



Serrefine

Straight
Stainless Steel

16-090S Large size
Overall length 55

MOST POPULAR

16-092S Small size
Overall length 35

MUSCLE FORCEPS

MUSCLE p.164

Jameson
Muscle Forceps

11.00 mm from tip to angle
6.00 teeth
Slide lock
Overall length 100 mm
Stainless Steel

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

MUSCLE p.164

Superior Rectus Forceps

1x2 teeth, 0.50 mm
Flat handle

Osher

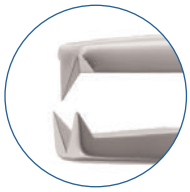
Angled shafts
10.00 mm from tip to angle
Overall length 106 mm
Stainless Steel

4-136S

Elsching

Straight shafts
Overall length 108 mm
Titanium

4-138T



4-136S

4-138T

4-0600D 2

SUTURING FORCEPS

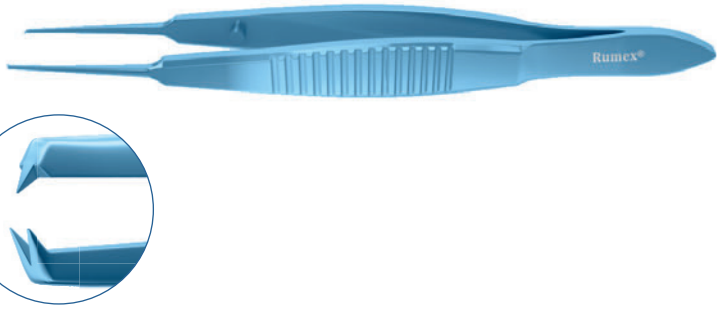
Tying platform hard-faced with tungsten carbide coating for even greater grip and increased control over the tissue and suturing materials

Castroviejo Suturing Forceps

Tying platform, 6.00 mm
Flat handle
Overall length 110/108/108 mm

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

Titanium or Stainless Steel



Paufique Suturing Forceps

1×2 teeth, 0.50 mm
Tying platform, 6.00 mm
Flat handle
Overall length 87 mm

4-0606T	Titanium (shown)
4-0606S	Stainless Steel

Bishop-Harmon Suturing Forceps

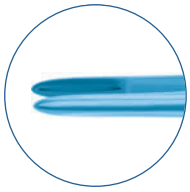
1×2 teeth, 0.30 mm
Tying platform, 5.00 mm
Flat handle
Overall length 87 mm
Stainless Steel

4-0607S **MOST POPULAR**

Moorfields Suturing Forceps

For gripping the tissue, conjunctiva and Tenon's capsule
Grooved section, 14.00 mm
Flat handle
Overall length 110 mm
Titanium

4-2303T **POPULAR**



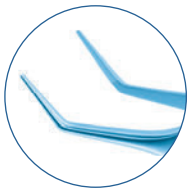
Product design and/or features that do not influence its functionality and main parameters are subject to change

TYING FORCEPS

Tying platform hard-faced with tungsten carbide coating for even greater grip and increased control over both tissue and suturing equipment

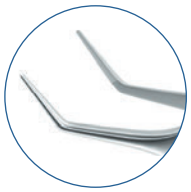
Kelman-McPherson Tying Forceps

for 8-0 to 11-0 sutures
Flat handle



Tying platforms, 4.00 mm
Overall length 81 mm
Titanium
4-090T **POPULAR**

Tying platforms, 10.00 mm
Overall length 86 mm
Titanium
4-092T

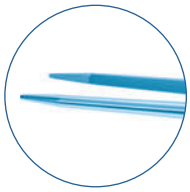


Tying platforms, 8.00 mm
Overall length 84 mm
Stainless Steel
4-091S **MOST POPULAR**

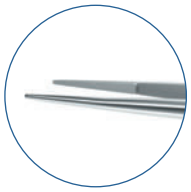
Tying platforms, 10.00 mm
Overall length 86 mm
Stainless Steel
4-092S

McPherson Tying Forceps

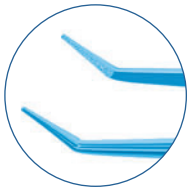
for 8-0 to 11-0 sutures
Flat handle



Straight
Tying platforms, 4.00 mm
Overall length 84 mm
4-171T Titanium (shown) **MOST POPULAR**
4-171S Stainless Steel **POPULAR**



Straight
Tying platforms 7.00 mm
Overall length 110 mm
Stainless Steel
4-178S **MOST POPULAR**

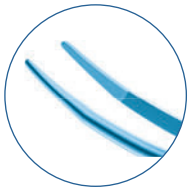


Angled, Titanium
Tying platform, 6.00 mm
Overall length 102 mm
4-173T **POPULAR**

Tying platform, 8.00 mm
Overall length 103 mm
4-174T **POPULAR**

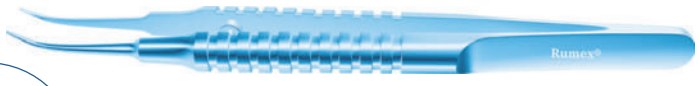
Tying platform, 10.00 mm
Overall length 104 mm
4-175T

Tying platform, 12.00 mm
Overall length 106 mm
4-176T

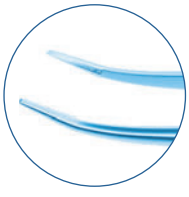


Curved
Tying platforms, 4.00 mm
Overall length 109 mm
Titanium
4-177T

Catalano Tying Forceps



Curved
V-groove tying platform, 6.00 mm
Round handle
Overall length 106 mm
Titanium
4-182T



Product design and/or features that do not influence its functionality and main parameters are subject to change

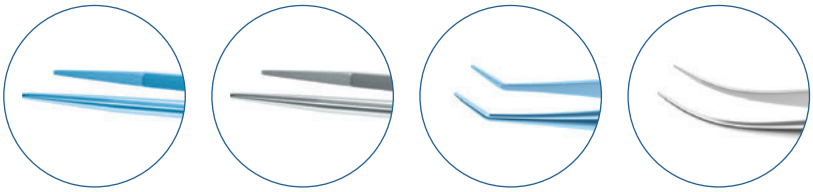
Tying platform hard-faced with tungsten carbide coating for even greater grip and increased control over both tissue and suturing equipment

Tennant Tying Forceps

For 9.00 to 11.00 sutures

Extra delicate smooth jaws
Tying platform, 6.00 mm
Round handle
Overall length 108/107/107 mm
Titanium or Stainless Steel

4-185T	Straight (shown)	POPULAR
4-185S	Straight	POPULAR
4-1851T	Angled	
4-186S	Curved	MOST POPULAR



Intraocular Tying Forceps

MICS

Designed for intraocular suturing.
With fixation wheel
Compatible with Squeeze Handle 12-003T

4-1891* 23 Ga

UTILITY FORCEPS

Bonaccolto Utility Forceps

4-2300S SS

Longitudinal atraumatic serrations, 15.00 mm
Cross serrations at tips
Flat handle
Overall length 100 mm
Titanium

4-2300T MOST POPULAR

Watzke Sleeve Spreading Forceps

Used to stretch the silicone sleeve placed around the eyeball.
Serrated tips aid in gripping the sleeve and allow for adjustable traction.
Flat cross-action handle
Overall length 110 mm
Titanium

4-2201T

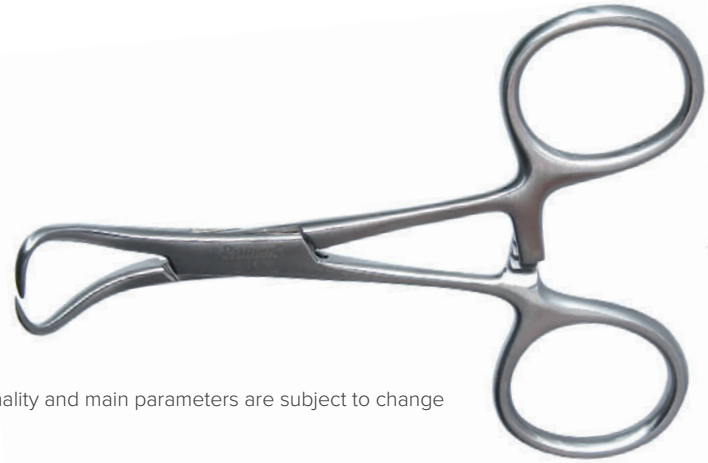
TOWEL CLAMPS AND FORCEPS

Schaedel Towel Clamp

Flat handle
Overall length 90 mm
Stainless Steel

16-080S

Towel Forceps



Ring handle
Overall length 125 mm
Stainless Steel

16-081S MOST POPULAR

*Tip only. Handles are sold separately.

HOOKS

INTRAOCULAR LENS HOOKS

Stainless Steel hooks with an ergonomic light-weight round Titanium handle

Lewicky
Lens Manipulating Hook

Angled, 10.00 mm from tip to angle
Vaulted shaft
0.15 mm diameter blunt tip
Overall length 120 mm

5-021

5-030D 5-030S SS

Kuglen
Iris Hook and Lens Manipulator

0.15 mm diameter shaft
"H"-shaped tip
Overall length 122/124 mm

5-030 Angled
5-0301 Straight

MOST POPULAR

5-032D 5-032S SS

RUMEX
Lens Manipulator

Angled, 10.00 mm from tip to angle
0.18 mm diameter shaft
Button-shaped 0.45 mm tip
Overall length 122 mm

5-031 **POPULAR**

Sinskey
Lens Manipulating Hook

Angled
0.15 mm diameter tip
Overall length 121/122 mm

5-032 Angled
5-0321 Straight

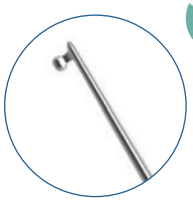
MOST POPULAR

DLEK p.158 DSEK, DSAEK, DMEK p.157

Reversed Sinskey
Scoring Hook for Endothelial Keratoplasty

Angled, 10.00 mm from tip to angle
0.15 mm diameter tip
Overall length 117 mm

5-0322 **POPULAR**



5-0331D 5-0331S SS

Lester
Lens Manipulator

Hourglass-shaped 0.20 mm tip
Overall length 124/122 mm

5-033 Straight
5-0331 Angled

MOST POPULAR

5-034S SS

Bechert
Nucleus Rotator

Angled, 10.00 mm from tip to angle
"Y"-shaped tip
Overall length 121 mm

5-034 **MOST POPULAR**

Fenzl
Lens Manipulating Hook

Angled, 10.00 mm from tip to angle
"T"-shaped tip
Overall length 121 mm

5-036

Product design and/or features that do not influence its functionality and main parameters are subject to change

MUSCLE/TENOTOMY HOOKS

Stainless Steel hooks with an ergonomic light-weight flat serrated Titanium handle

Ensure safety of extraocular muscles

MUSCLE p.164 5-040S SS

Jameson Muscle Hook

Flat hook
Bulbous tip

2.00 mm tip, 9.50 mm hook
Overall length 135 mm

5-040 Standard **MOST POPULAR**

1.50 mm tip, 8.00 mm hook
Overall length 128 mm

5-0401 Small

MUSCLE p.164 5-041S SS 5-042S SS

Graefe Muscle Hook

Flat hook

1.00 mm tip, 8.00 mm hook
Overall length 135 mm

5-041 Size 1 **MOST POPULAR**

1.50 mm tip, 10.00 mm hook
Overall length 140 mm

5-042 Size 2 **MOST POPULAR**

MUSCLE p.164 5-061S SS

Scobee Oblique Muscle Hook

Curved shaft
4.50 mm flat hook
Overall length 136 mm

5-061 **POPULAR**

5-062S SS

Stevens Tenotomy Hook

6.00 mm flat hook
Overall length 120 mm

5-062 **POPULAR**

Rychwalski Muscle Hook with Groove

1.80 mm tip
12.20 mm hook
Overall length 140 mm

5-046

RETINAL DETACHMENT HOOKS

Stainless Steel hook with an ergonomic light-weight flat serrated Titanium handle

Gass Retinal Detachment Hook

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

5-060 **MOST POPULAR**

IRIS HOOKS

Iris Hook

1.00 mm
Angled
Overall length 121 mm

5-020

Product design and/or features that do not influence its functionality and main parameters are subject to change

DIAMOND KNIVES

up to 3000 INCISIONS

DIAMOND

Extreme sharpness of the blades

Potentially reduced risk of wound leak

Minimal pressure

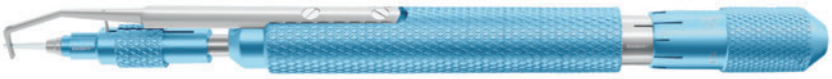
Predictable cuts and architecture of the wound for more consistent healing

ASTIGMATIC KERATOTOMY AND ICRS

ICRS p.158

ICRS Knife

Micrometer Titanium handle
Overall length 110 mm



ICRS

1.00 mm
Designed for implantation of intrastromal corneal ring segments (ICRS).
Performs a 1.00 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 **MOST POPULAR**

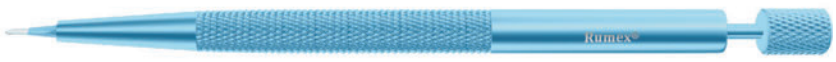
Arcuate

1.00/0.20 mm
Tapered blade

6-00/6-030

UNIVERSAL SIDE-PORT KNIVES

Used for paracentesis.
Straight Titanium handle
Overall length 110 mm



POPULAR

45° Single Edge
1.00 mm
6-10/6-050

45° Single Edge
0.60 mm
6-10/6-0501

30° Single Edge
1.00 mm
6-10/6-051

45° Double Edge
1.00 mm
6-10/6-052

Trifacet
1.00 mm
6-10/6-053 **POPULAR**

20° Trifacet
1.00 mm
6-10/6-0531

60° Lancet
1.00 mm
6-10/6-070

60° Lancet
0.80 mm
6-10/6-0701

Multi-Incision
1.00 mm
6-10/6-076

Product design and/or features that do not influence its functionality and main parameters are subject to change

ANGLED PHACO KNIVES

DIAMOND

Used for tunnel incision.
Angled Titanium handle
Overall length 130 mm

GLAUCOMA p.159

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

Facet-Free Crescent Knives

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

PHACO p.151

Self-Diving Trapezoid Blades

POPULAR

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

Used for micro incision.
Angled Titanium handle
Overall length 130 mm

Trapezoid Self-Diving Blades

MICS p.151

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

ICL p.155

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 POPULAR

LRI KNIVES

LRI p.155

DIAMOND

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 is 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

MOST POPULAR

Pre-Set LRI Knives

Pre-Set LRI Knives

Can be used with a slit lamp.
Short Titanium handle
Overall length 78 mm

6-500S/6-0531
Preset depth 500 microns

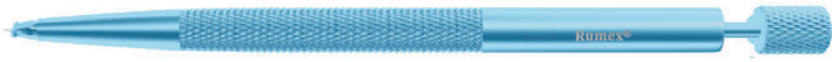
6-600S/6-0531
Preset depth 600 microns

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



DON'T FORGET TO BUY

Diamond Knife Cleaning Pack

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

21-602-1

MOST POPULAR

SAPPHIRE KNIVES

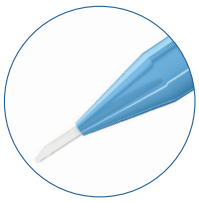
Low pressure | Accurate cuts | Consistent healing

UNIVERSAL SIDE-PORT KNIVES

Overall length 136 mm

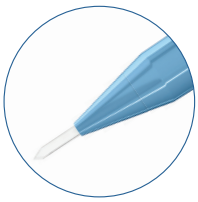
45° Double Edge Blade
1.00 mm

6-10/6SK-0501



Trifacet Blade
1.00 mm

6-10/6SK-053

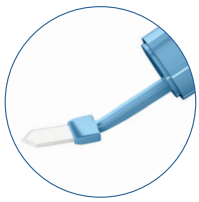


60° Double Edge Lancet Blade
1.00 mm

6-10/6SK-070

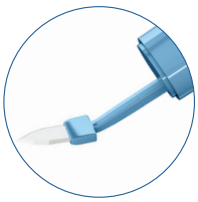
PHACO KNIVES

Overall length 135 mm



Clear Cornea Blades

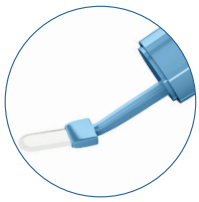
6-20/6SK-072 – 2.80 mm
6-20/6SK-075 – 2.20 mm
6-20/6SK-080 – 2.65 mm



Self-Diving Trapezoid Blades

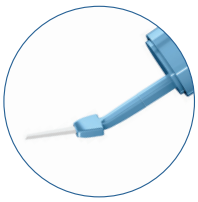
POPULAR

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



Facet-Free Crescent Blades

6-20/6SK-093 – 2.20 mm



Zaldivar Knife for ICL Implantation

6-20/6SK-0551 – 0.55/1.00 mm

Product design and/or features that do not influence its functionality and main parameters are subject to change

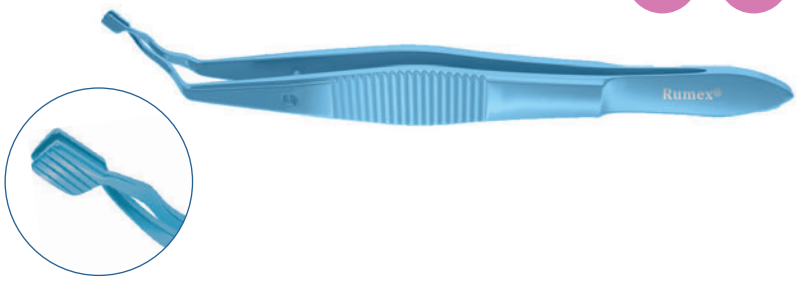
PHACO INSTRUMENTS

ECCE p.152 PHACO p.151

Ernest Nucleus Cracker

Cross-action
Flat handle
Overall length 106 mm
Titanium

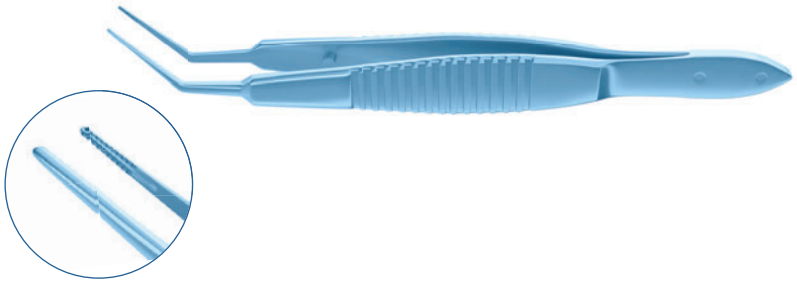
7-025T



Kansas-Alfonso Nucleus Fragment Removing Forceps

Designed to remove fragments of the nucleus through a small incision.
2 rows of delicate teeth
Flat handle
Overall length 107 mm
Titanium

7-0201T



Product design and/or features that do not influence its functionality and main parameters are subject to change

PRECHOPPERS

Cross-action
Ergonomic round serrated squeeze-handle
Stainless Steel

Angled Prechopper

Max opening 2.80 mm
Overall length 117 mm

7-111S

PHACO p.151

Combo Prechopper

Straight
Specially designed jaws split soft and hard nuclei.
With sharp blades on the upper side of the tips and blunt on the other side
Max opening 2.80 mm
Overall length 121 mm

7-1161S **POPULAR**

Combo Prechopper

Straight
For sub-2.00 mm Coaxial Micro Phaco
Max opening 2.00 mm
Overall length 121 mm

7-1162S **POPULAR**

Akahoshi Prechopper

Straight
Groove enables easy rotation of the nucleus during prechopping.
Max opening 2.80 mm
Overall length 121 mm

7-1163S **MOST POPULAR**

NEW
Escaf Prechopper

Straight
Round handle
Overall length 118 mm
Stainless Steel

7-149S

Inamura Prechopper

Straight
Narrow tip is easily inserted into the denser nucleus which enables division of a soft nucleus from a dense one without counter force.
Max opening 2.80 mm
Overall length 120 mm

7-1165S **POPULAR**

Inamura Prechopper

Straight
Microincisional
Max opening 1.80 mm
Overall length 120 mm

7-11651S

FEMTOCATARACT p.154

Yeoh Prechopper

Straight
Blunt atraumatic tips are used for complete nucleus separation during Femtosecond laser cataract procedure.
Max opening 2.00 mm
Overall length 120 mm

7-1166S

FEMTOCATARACT p.154

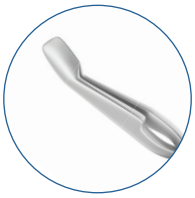
NEW
Crozafon Prechopper

Straight
Provides easy releasing of entrapped gas bubbles for safer hydrodissection.
Max opening 3.00 mm
Overall length 118 mm

7-1167S

Designed in cooperation with Luis Escaf MD, Colombia

Used to complete breakdown after Femtosecond or Ultrachopper and fracture cataract with hardness less than 4+. Tolerates capsulorhexis smaller than 5.00 mm in diameter without injuring the capsule edges. Fits through a 2.00 mm micro incision.



Max opening 2.80 mm
The tip is truncated so as not to hurt the edge of capsulorhexis.

CHOPPERS

RHD for right-handed surgeon - to hold in the left hand
LHD for left-handed surgeon - to hold in the right hand

Stainless Steel hook with an ergonomic light-weight round serrated Titanium handle

Nagahara Phaco Chopper

Overall length 120 mm

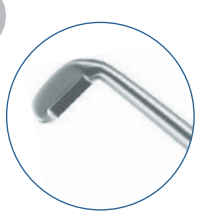
7-063 RHD (shown) **MOST POPULAR**
7-064 LHD

7-065D 7-065S SS

Rosen Phaco Chopper Universal

Overall length 120 mm

7-065 **MOST POPULAR**



Rosen Phaco Splitter

60 degree angled
Wedge-shaped
Overall length 120 mm

7-066 RHD **POPULAR**
7-067 LHD

Phaco Cleaver

Overall length 120 mm

7-068 RHD **POPULAR**
7-069 LHD

Nucleus Claw Chopper

Overall length 120 mm

7-072 **MOST POPULAR**

Intraocular Manipulator with Ball tip

Straight
0.50 mm diameter ball tip
Overall length 123 mm

7-074

Angled
Overall length 121 mm

7-075

Small Pupil Snapper Hook & Phaco Chopper

Overall length 121 mm

7-077 **POPULAR**

Drysdale Nucleus Manipulator & Capsule Polisher

For nucleus dividing and separating
Overall length 121 mm

7-093 Regular tip **MOST POPULAR**
7-0931 Capsule polisher tip **POPULAR**

Micro Finger Chopper

Overall length 120 mm

7-097

He Phaco Chopper

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

7-1061 RHD **POPULAR**
7-1071 LHD (shown)

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 1.70 mm tip

Quick Chopper with Rounded Edge

Overall length 120 mm

7-128 RHD **POPULAR**
7-1281 LHD

Seibel Chopper

Chopper with ball-shaped tip for efficient capsule protection
Overall length 122 mm

7-130 RHD **MOST POPULAR**

Axe Quick Chopper

Overall length 120 mm

7-135

Product design and/or features that do not influence its functionality and main parameters are subject to change

CHOPPERS

Nagahara Phaco Chopper and Drysdale Nucleus Manipulator

7-0631S SS

Overall length 133 mm

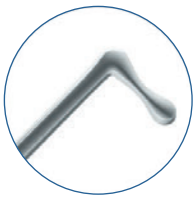
7-0631 Titanium handle (shown)

MOST POPULAR

Double Phaco Spatula

Small Pupil Snapper Hook & Micro Finger
Overall length 142 mm

7-079 **POPULAR**



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)	**POPULAR**
7-127S	RHD	Stainless Steel	
7-1271	LHD	Titanium handle	
7-1271S	LHD	Stainless Steel	

Seibel Chopper & Quick Chopper

Ball-shaped tip for efficient capsule protection
Quick safety chopper with rounded edge
Overall length 132 mm

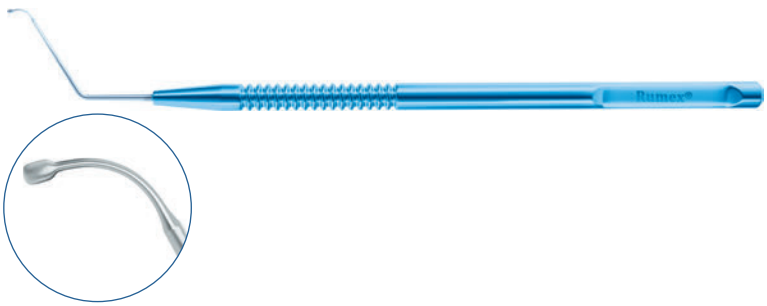
7-1361 RHD **POPULAR**

Triple Edge Phaco Chopper with Polisher Tip

7-126S SS

Overall length 117 mm

7-126 **POPULAR**



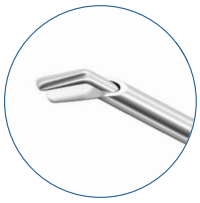
Koch Nucleus Spatula

Curved
Duck bill tips with notches
Overall length 122 mm
7-070

Product design and/or features that do not influence its functionality and main parameters are subject to change

Featured Choppers for FemtoCataract

Slade/Terao Nucleus Splitter

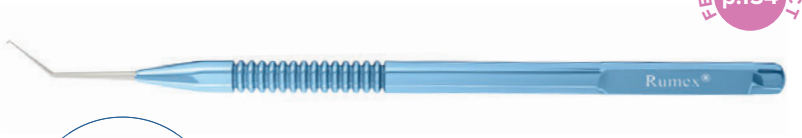


Used to crack the femtochopped nucleus.
Chopper type design tip
Curved shaft
Micro jaws
With fixation wheel
Compatible with Squeeze Handle 12-003T

7-143* 23 Ga

FEMTOCATARACT p.154

Nagy Femtosecond Chopper



Designed for Femtosecond laser-assisted cataract surgery.
Cracks the nucleus through the laser-created lines.
Blunt edge is safe for the posterior capsule.
Overall length 122 mm

7-145

FEMTOCATARACT p.154

Donnenfeld Femto Splitter

For splitting the nucleus
Angled shaft
Curved tip
Overall length 121 mm

7-146

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change

HYDROCHOPPERS

Lesieur Hydrochopper

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 specially for Bimanual Microphaco.

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

20 Ga tip with Nagahara type chopper (for 1.00 mm 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.
Titanium handle/Stainless Steel tip
Overall length 105 mm

7-0634/I 20 Ga

CAPSULE POLISHERS

Anterior/Posterior Capsule Polisher

135° angled shaft
Overall length 120 mm

7-101 **POPULAR**

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.

Holz Capsule Polisher

Designed to perform delicate polishing of the capsule.
Angled shaft, “iron”-shaped tip
Texturized tip for polishing of all capsule parts
Sharpened ridge at the top for efficient polishing of the bottom part of the anterior capsule
Overall length 123 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

MOST POPULAR

Thornton 20° angled
7-080/20

Binkhorst
7-080/BC

Simcoe
7-080/SIM

45° angled
7-080/45

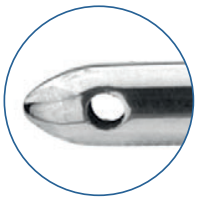
90° angled
7-080/90

Straight
7-080/ST

Irrigation Handpiece for Bimanual Technique

Curved tube with smooth tip
Titanium handle/Stainless Steel tip
Standard connector
Overall length 104 mm

FEMTOCATARACT p.154



2×0.35 mm side ports
7-081 21 Ga

MOST POPULAR

2×0.50 mm side ports
7-0813 21 Ga

POPULAR

2×0.35 mm side ports
7-081-23 23 Ga

MOST POPULAR

Stodulka Enhanced Irrigation Handpiece for Bimanual Technique

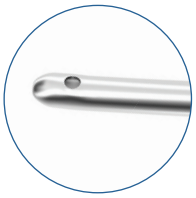
Handpiece recommended for bimanual microphaco and Femtosecond cataract surgery.
Curved
Two ports on side 0.50×1.00 mm for optimal irrigation
Smooth bullet-shaped tip facilitates instrument insertion.
Titanium handle/Stainless Steel tip
Standard connector
Overall length 105 mm

7-0811 21 Ga

Product design and/or features that do not influence its functionality and main parameters are subject to change

Aspiration Handpiece For Bimanual Technique

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



1×0.35 mm top port
Smooth tip

7-082 21 Ga **MOST POPULAR**

1×0.35 mm top port
Capsule polisher tip

7-0821 22 Ga **MOST POPULAR**

FEMTOCATARACT p.154

1×0.35 mm top port
Capsule polisher tip

7-0821-23 23 Ga **MOST POPULAR**

1×0.30 mm top port
Smooth tip
Polished ball tip is safe and atraumatic for the capsular bag.
No need to enlarge the incision.

7-0826 23 Ga

NEEDLE HOLDERS

Tungsten carbide coated tips for better gripping

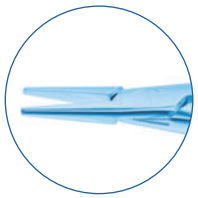
Lightweight

KALT NEEDLE HOLDERS

Kalt
Needle Holder

For 4.0-6.0 sutures
Straight
Standard jaws, 10.50 mm
Flat serrated locking handle
Overall length 135 mm
Titanium

8-080T **POPULAR**

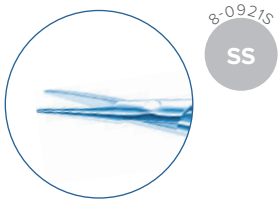


CASTROVIEJO NEEDLE HOLDER

POPULAR

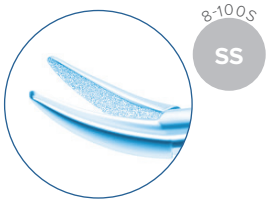
Castroviejo
Needle Holder

Titanium
Flat serrated handle



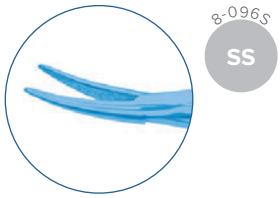
For 4.0-6.0 sutures
Straight delicate jaws, 13.50 mm
Overall length 122 mm

8-0921T with lock



For 4.0-7.0 sutures
Curved standard jaws, 11.00 mm
Overall length 140 mm

8-100T with lock



For 7.0-9.0 sutures
Curved delicate jaws, 8.00 mm
Overall length 135 mm

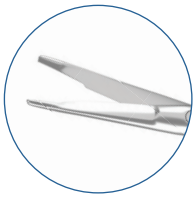
8-096T without lock

ING'S NEEDLE HOLDERS/SCISSORS

Ing's
Needle Holder/Scissors

For 4.0-7.0 sutures
Used to cut suture only.
Combination of needle holder and scissors in one instrument
Straight long size jaws, 15.00 mm
Round handle
Overall length 105 mm
Stainless Steel

8-102S



COAXIAL/INTRAOCULAR NEEDLE HOLDERS

Intraocular Needle Holder

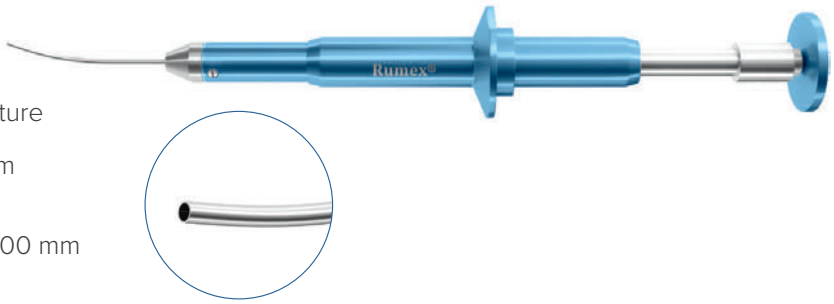
For 9.0-11.0 sutures
Designed for intraocular suturing and manipulations with the IOL.
Curved shaft
With fixation wheel
Compatible with Squeeze Handle 12-003T

8-1211-23* 23 Ga

*Tip only. Handles are sold separately.

Product design and/or features that do not influence its functionality and main parameters are subject to change

Coaxial Needle Holder
For IOL Suturing



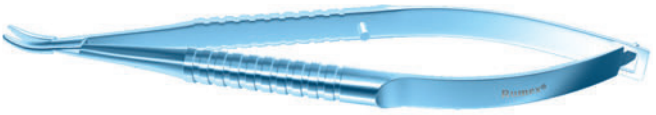
For 9.0-11.0 sutures
Designed for IOL scleral fixation with suture through a small incision.
Titanium handle with plunger mechanism
Curved shaft
To be used with straight and curved spatulated needles with length up to 18.00 mm (Poly propylene 10-0 or 9-0).
Overall length 128 mm

8-120 18 Ga

BARRAQUER NEEDLE HOLDER

Tungsten carbide coated tips for better gripping

Lightweight



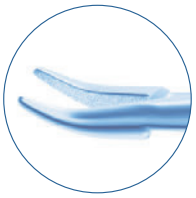
Barraquer Needle Holder

Titanium
Ergonomic round serrated handle

For 4.0-7.0 sutures
Curved standard jaws, 12.00 mm
Overall length 100 mm

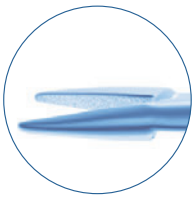
8-010T with lock
8-011T without lock

MOST POPULAR



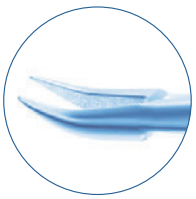
For 4.0-7.0 sutures
Straight standard jaws, 12.00 mm
Overall length 100 mm

8-013T without lock



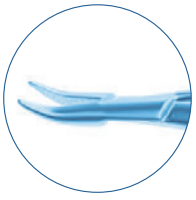
For 4.0-7.0 sutures
Curved fine jaws, 12.00 mm
Overall length 100 mm

8-020T with lock
8-021T without lock



For 8.0-11.0 sutures
Curved extra fine jaws, 8.00 mm
Overall length 100 mm

8-024T with lock **POPULAR**
8-025T without lock

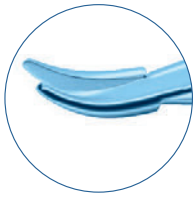


8-031S SS

For 4.0-7.0 sutures
Curved standard jaws, 12.00 mm
Overall length 115 mm

8-030T with lock
8-031T without lock

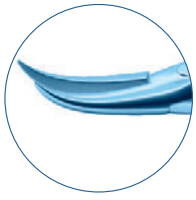
MOST POPULAR



For 4.0-7.0 sutures
Curved fine jaws, 12.00 mm
Overall length 115 mm

8-040T with lock
8-041T without lock

POPULAR MOST POPULAR

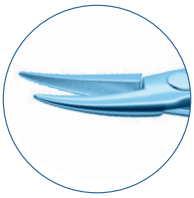


8-045S SS

For 8.0-11.0 sutures
Curved extra fine jaws, 8.00 mm
Overall length 115 mm

8-045T without lock

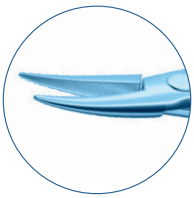
MOST POPULAR



8-051S SS

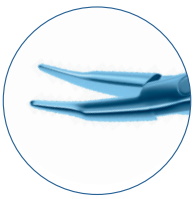
For 4.0-7.0 sutures
Curved extra fine jaws, 8.00 mm
Overall length 125 mm

8-050T with lock
8-051T without lock



For 4.0-7.0 sutures
Curved standard jaws, 12.00 mm
Overall length 125 mm

8-060T with lock
8-061T without lock



8-071S SS

For 4.0-7.0 sutures
Curved fine jaws, 12.00 mm
Overall length 125 mm

8-070T with lock
8-071T without lock

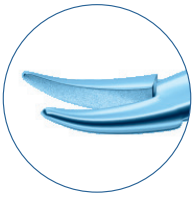
POPULAR MOST POPULAR

For 4.0-6.0 sutures
Curved strong jaws, 12.00 mm
Overall length 125 mm

8-090T with lock
8-091T without lock

8-091S SS

MOST POPULAR



8-041S SS 8-040S SS

PROBES

Bowman Lacrimal Probe

LACRIMAL p.162

Overall length 133 mm

9-010S	size 0000 & 000	**MOST POPULAR**
9-011S	size 00 & 0	
9-012S	size 1 & 2	**POPULAR**
9-013S	size 3 & 4	**POPULAR**
9-014S	size 5 & 6	
9-015S	size 7 & 8	

Quickert Lacrimal Intubation Probe

LACRIMAL p.162

Overall length 140 mm

9-021S	size 0
9-023S	size 2

Pigtail Lacrimal Probe

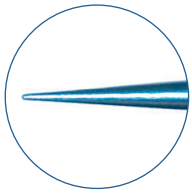
OCULOPLASTIC p.165 LACRIMAL p.162 9-031S SS

8.00 mm pigtail curved probes with holes
Polished tip
Overall length 134 mm

9-031 **POPULAR**

Wilder Lacrimal Dilator

OCULOPLASTIC p.165 LACRIMAL p.162 9-050S SS 9-051S SS

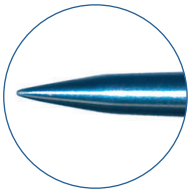


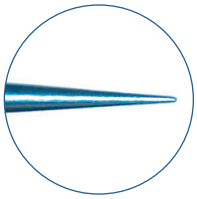
Blunt polished tip
Overall length 100 mm
Titanium

9-050T	size 1 (19.00 mm)	**POPULAR**
9-051T	size 2 (23.00 mm)	
9-052T	size 3 (32.00 mm)	

Castroviejo Double-Ended Lacrimal Dilator

LACRIMAL p.162 9-060S SS





Polished tip
Overall length 100 mm
Titanium

9-060T size 1 & 2 **MOST POPULAR**

RETRACTORS

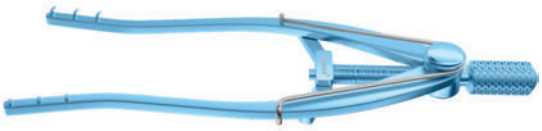
LACRIMAL SAC RETRACTORS

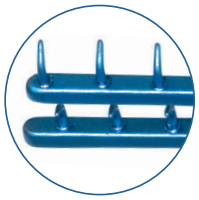
LACRIMAL p.162 10-013S SS

Stevenson Lacrimal Sac Retractor

Curved
3x3 prongs
Blades separated 25.00 mm
Screw opening
Overall length 83 mm

10-013





Knapp Lacrimal Sac Retractor

OCULOPLASTIC p.165 LACRIMAL p.162 10-014S SS

4 blunt prongs
8.00 mm width tip
Overall length 140 mm

10-014 **MOST POPULAR**

LID & ORBITAL RETRACTORS

LID p.163 10-020S SS 10-021S SS 10-022S SS 10-023S SS

Desmarres Lid Retractor

Overall length 130 mm

10-020 size 0 - 11.00 mm
10-021 size 1 - 13.00 mm (shown) **POPULAR**
10-022 size 2 - 15.00 mm
10-023 size 3 - 17.00 mm **MOST POPULAR**

Schepens Orbital Retractor

Overall length 144 mm
Stainless Steel

10-030S

Double-Ended Orbital Globe Retractor-Elevator

Double-ended, 10.00/14.00 mm wide
Thin ribbon retractor with a gentle “S” curve
Overall length 180 mm
Titanium

10-034T

Product design and/or features that do not influence its functionality and main parameters are subject to change

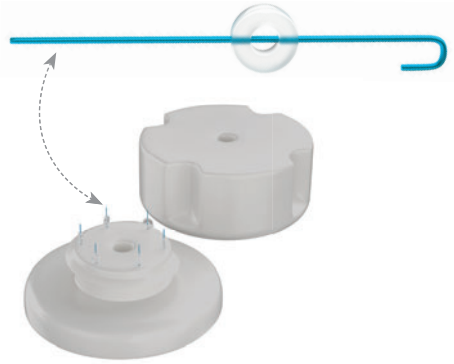
IRIS (PUPIL) DILATORS

STERILE 6 PER BOX

Iris Retractor*

Reusable
Supplied sterile in autoclavable PTFE container

10-5127 **MOST POPULAR**



STERILE 2

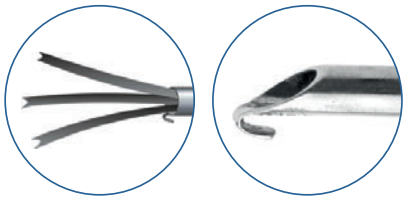
Iris Retractors*

Disposable

10-5016-1 4 per box **POPULAR**
10-5067-1 5 per box

Beehler Pupil Dilator

17 Gauge
Curved shaft
Four prongs
Overall length 130 mm
Titanium



10-083

10-091 with plunger

*Not for sale in Europe
Product design and/or features that do not influence its functionality and main parameters are subject to change

SCISSORS

Sharp cutting edges

Blades of equal length close with minimal friction allowing for high precision of cuts

Matte finish/anti-glare coating to reduce a glare of the microscope

Excellent cutting function for simple manipulations with tissues

Unique hardening system promoting 3,000+cuts without resharpening

Maraging stainless steel

CORNEAL SCISSORS

Flat Handle
Stainless Steel

Castroviejo Corneal Scissors

Blunt tips

Curved 11.00 mm blades
Overall length 100 mm

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

Castroviejo Universal Corneal Scissors

11-012D

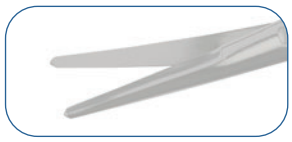
Blunt tips

7.50 mm blades
Overall length 102 mm

11-011S

11.00 mm blades
Overall length 106 mm

11-012S



11-011S
11-012S **MOST POPULAR**

Castroviejo Universal Corneal Scissors

Curved 16.00 mm blades
Blunt tips
Overall length 110 mm

11-015S **POPULAR**

Osher Universal Corneal Scissors

Gently curved
Provide a precise 6.50 mm beveled incision opening with a single snip.
21.00 mm from pivot to tip
Blunt tips
Overall length 120 mm

11-013S

Corneal Universal Scissors

Curved
Round handle
Blunt tips
Overall length 110/112 mm
Stainless Steel

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

Katzin Corneal Transplant Scissors

Strongly curved medium blades
Blunt tips
Overall length 100 mm

CORNEAL p.156

11-020S Left (shown) **MOST POPULAR**
11-0201S Right

Castroviejo Corneal Section Scissors

14.00 mm blades
Lower blade is longer than upper.
Overall length 106 mm

CORNEAL p.156

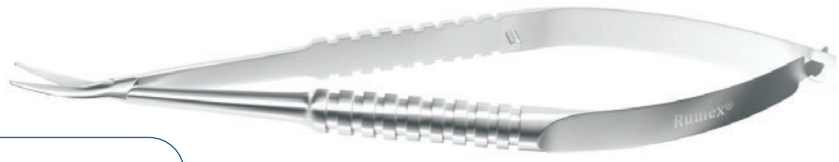
11-024S Right (shown) **POPULAR**
11-0241S Left **MOST POPULAR**

DALK Corneal transplant scissors

Blades with blunt ledge (Descemet's membrane protection) are 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.
Overall length 106 mm

DALK p.157

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



Product design and/or features that do not influence its functionality and main parameters are subject to change

DLEK p.158

DLEK
Corneal Transplant Scissors

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

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

11-036S

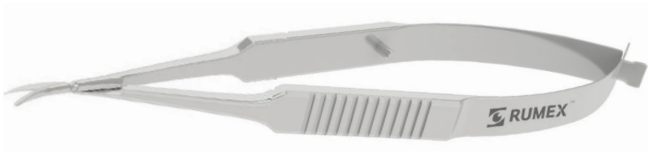
11-0361S

DALK p.157

Holland Spatulated DALK Scissors

Vannas-style scissors with “micro blades” facilitate the dissection of stromal tissue.
Rounded and blunt tips
Horizontally-oriented, spatulated design of the inner blade keeps the scissors in the proper plane minimizing inadvertent perforation.
Shortened outer blade allows to trim the tissue in a precise fashion.
Overall length 100 mm
Stainless Steel

11-134	Right (shown)
11-135	Left



IRIS SCISSORS

Zaldivar
Iridectomy Scissors

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

11-03721*	23 Ga

McPherson-Vannas
Iris Scissors

Curved
8.00 mm blades
Sharp pointed tips
Round handle
Overall length 85 mm
Stainless Steel

11-062S **MOST POPULAR**

Iris Scissors

28.00 mm pointed tips from midscrew to tip
Ring handle
Overall length 115 mm
Stainless Steel

11-080S	Straight (shown)	**MOST POPULAR**
11-081S	Curved	**POPULAR**

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change

Barraquer Iris Scissors

7.00 mm blades
Blunt tips
Squeeze action handle
Overall length 55 mm
Stainless Steel

11-1223 **POPULAR**

STITCH SCISSORS

Westcott Stitch Scissors

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

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

MOST POPULAR

Westcott Stitch Scissors

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

11-046S Flat handle **POPULAR**
11-047S Round handle

STRABISMUS SCISSORS

Knapp Strabismus Scissors

Ring handle
Overall length 115 mm
Stainless Steel

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

TENOTOMY SCISSORS

Westcott Tenotomy Scissors

Stainless Steel
Curved
Blunt tips

11-040D

Westcott Tenotomy Scissors

13.00 mm blades
Overall length 115 mm

11-040S **MOST POPULAR**

Westcott Tenotomy Scissors

15.00 mm blades
Overall length 116 mm

11-048S Right **MOST POPULAR**

Westcott Tenotomy Scissors

16.00 mm blades
Overall length 120 mm

11-042S **MOST POPULAR**

Shepard-Westcott Tenotomy scissors

21.00 mm blades
Serrated upper blade («supercut»)
Overall length 123 mm

11-0481S Right

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)

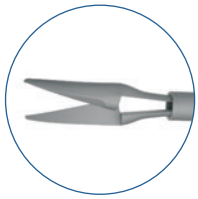
MOST POPULAR

CAPSULOTOMY SCISSORS

Side Port Capsulotomy Scissors

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

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



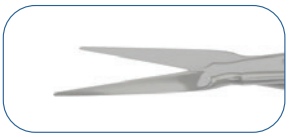
Capsulotomy Scissors

Sharp pointed tips
Stainless Steel

Vannas Capsulotomy Scissors

Straight
6.00 mm blades
9.00 mm from pivot to tip
Overall length 84 mm

11-050S **MOST POPULAR**



Vannas Capsulotomy Scissors

Curved
6.00 mm blades
9.00 mm from pivot to tip
Overall length 84 mm

11-052S **MOST POPULAR**

Vannas Capsulotomy Scissors

Angled
6.00 mm blades
9.00 mm from pivot to tip
Overall length 81 mm

11-054S **POPULAR**

Gills-Vannas Capsulotomy Scissors

Straight
10.00 mm blades
13.00 mm from pivot to tip
Overall length 88 mm

11-056S **POPULAR**

Gills-Vannas Capsulotomy Scissors

Curved
10.00 mm blades
13.00 mm from pivot to tip
Overall length 88 mm

11-058S **MOST POPULAR**

Gills-Vannas Capsulotomy Scissors

Angled
10.00 mm blades
13.00 mm from pivot to tip
Overall length 84 mm

11-0581S **MOST POPULAR**

Clayman-Vannas Swan Neck Capsulotomy Scissors

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

11-0501S

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change

ENUCLEATION SCISSORS

ENUCLEATION p.168

Enucleation Scissors

Curved
Blunt tips
Ring handle
Stainless Steel

Medium size
Blades from midscrew to tip - 38.00 mm
Overall length 128 mm

11-090S (shown)

Large size
Blades from midscrew to tip - 45.00 mm
Overall length 130 mm

11-091S

IOL CUTTERS/SCISSORS

Osher IOL Scissors

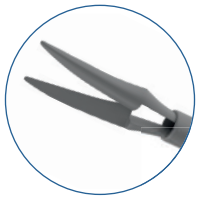
To cut Silicone or Acrylic IOL
8.50 mm blades
Overall length 91 mm
Stainless Steel

4-2175S **POPULAR**

Rowen Rescue Kit Scissors

Intraocular scissors for foldable lens removal
To remove silicone or acrylic IOL in case of complications
Curved shaft
Compatible with Squeeze Handle 12-003T

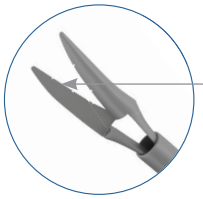
4-2151* 18 Ga **POPULAR**



Micro Foldable Lens Cutter

Intraocular scissors for foldable lens removal
To remove silicone or acrylic IOL in case of complications
Blades with notches
Curved shaft
Compatible with Squeeze Handle 12-003T

4-2173* 19 Ga



*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change

SPATULAS

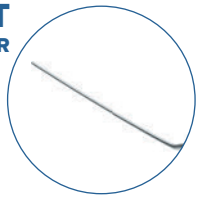
IRIS/NUCLEUS SPATULAS

13-011S SS 13-014S SS

Straight Spatula

Overall length 122 mm

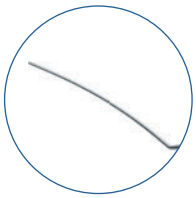
13-010 0.25 mm width, 10.00 mm length (shown) **MOST POPULAR**
13-011 0.40 mm width, 14.00 mm length **POPULAR**
13-014 1.00 mm width, 13.00 mm length



Curved Spatula

Overall length 122 mm

13-020 0.25 mm width, 12.00 mm length

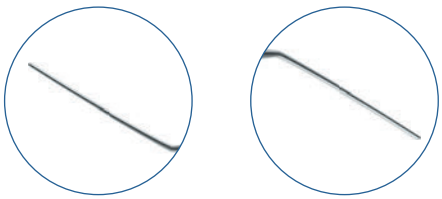


13-031S SS

Double Spatula

Overall length 144 mm

13-031 0.50 & 1.00 mm width **MOST POPULAR**



Overall length 134 mm

13-032 0.30 & 0.50 mm width

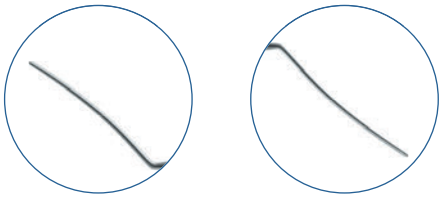
CYCLODIALYSIS SPATULAS

GLAUCOMA p.159

Castroviejo Double-Ended Cyclodialysis Spatula

Overall length 136 mm

13-050 0.50 mm width, 10.00 & 15.00 mm **POPULAR**



Castroviejo Cyclodialysis Spatula

Overall length 124 mm

13-051 1.00 mm width, 10.00 mm length
13-052 0.75 mm width, 10.00 mm length

FEMTOSECOND CATARACT SPATULAS

Spatula for Femtosecond Laser Procedure

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

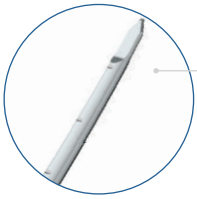
20-204D CATARACT p.150

Donnenfeld Femto Spatula

Special flattened design of the tip helps to open femtosecond created cataract insicions.
Overall length 122 mm

20-2041

CATARACT p.150



10 serrations for intraocular measurement (from 1.00 mm to 10.00 mm with 1.00 mm increment)

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
Overall length 131 mm

13-181

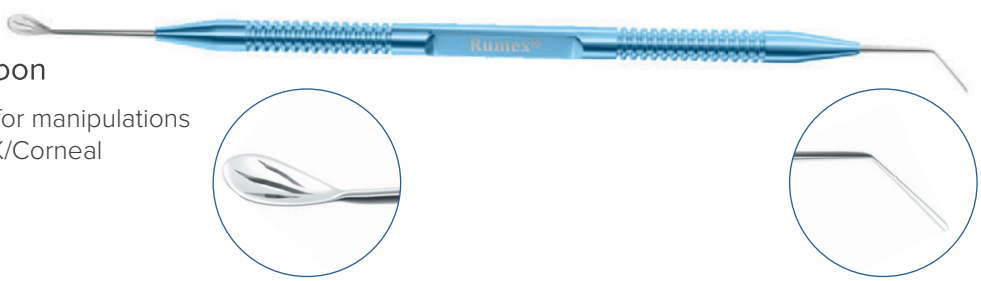
CATARACT p.150

CORNEAL SPATULAS

Paton Spatula and Spoon

Double-ended instrument for manipulations with the cornea (LASIK/PRK/Corneal Transplantation)
Overall length 150 mm

13-110



DSEK, DSAEK, DMEK SPATULAS

DLEK p.158 DSEK, DSAEK, DMEK p.157

Corneal Dissector

For intrastromal dissection
Straight
60° angled shaft
12.00 mm from tip to angle
Overall length 125 mm

13-137

Corneal Dissector

For intrastromal dissection
Curved (curvature radius 22.00 mm)
45° angled shaft
12.00 mm from tip to angle
Overall length 127 mm

13-138

DSEK, DSAEK, DMEK p.157

Irrigating Endothelial Stripper

For Descemet's stripping
Overall length 104 mm

13-139/I

DSEK, DSAEK, DMEK p.157

Spatula-Guide

For corneal endothelium implantation
Overall length 122 mm
Titanium

13-150T

DSEK, DSAEK, DMEK SPATULAS

Cindy
Sweeper DSEK Spatula

Angled shaft
12.00 mm from bend to tip
0.70 mm diameter
Overall length 111 mm
Stainless Steel

13-151S

DSEK, DSAEK, DMEK p.157

Carlson
DSEK Smoother

Angled/vaulted shaft
7.50 mm from tip to angle
2.50 mm blunt ball
Overall length 119 mm
Stainless Steel

13-152S

DSEK, DSAEK, DMEK p.157

Terry
DSEK Scraper

Angled shaft
11.00 mm from tip to angle
Hole-shaped scraper facing upward
Overall length 112 mm
Stainless Steel

13-153S

DSEK, DSAEK, DMEK p.157

Melles Style 1
DSAEK PLK Scraper

45° angled shaft
11.00 mm from tip to angle
45° angled tip
Overall length 125 mm
Titanium

13-154T

Melles Style 2
DSAEK PLK Scraper

45° angled shaft
11.00 mm from tip to angle
90° angled tip
Overall length 125 mm
Titanium

13-155T

John DSAEK Descemet's Stripper

Curved shaft
14.00 mm from bend to tip
"T" shape 1.50 mm wide x 0.60 mm high tip
Efficient in cases of strong adherence of the Descemet's membrane to recipient's corneal stroma.
Overall length 121 mm

13-1491

John Dexatome DMEK/ DSAEK Spatula

DSEK, DSAEK, DMEK p.157

Removes the Descemet's membrane as a single disc.
Strongly vaulted shaft
Overall length 119 mm

13-182

John DSAEK Stromal Scrubber

DSEK, DSAEK, DMEK p.157

Roughens the inner corneal stroma at the periphery of Descemetorhexis.
Minimizes the risk of disk detachment after DSAEK.
Strongly vaulted shaft
Round handle
Overall length 120 mm

13-183

John DSAEK Glider

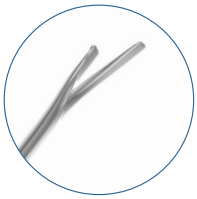
DSEK, DSAEK, DMEK p.157

Used for donor disk gliding.
Smoothens the corneal surface and clears fluid in the donor-recipient interface.
Overall length 114 mm

13-184

Tan Marginal DMEK Dissector

DSEK, DSAEK, DMEK p.157



Double-tipped end is designed for cutting the peripheral ends of donor Descemet's membrane (DM) without risk of radial tears occurrence.
Curved single-tipped end is used for convenient separation of the DM from the stroma.
Overall length 132 mm

13-185

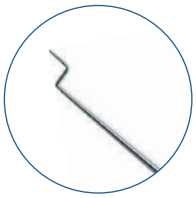
DLEK SPATULAS

DLEK p.158

Manipulator for DLEK procedure

Designed to tuck the edges of the donor lamella.
0.15 mm diameter Z-hook with blunt tip
Overall length 120 mm

13-160



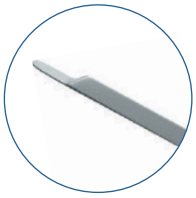
DALK SPATULAS

DALK p.157

Trisector for DALK Procedure

Facilitates separation of rest of stromal attachments from 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.
Flat 1.40×0.70 mm tip
Overall length 124 mm

13-170



Spatula for DALK Procedure

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.
Flat 1.00×9.00 mm tip
Overall length 122 mm

13-171

Dissector for DALK Procedure

Creates a track in deep stroma for the further cannula inserting.
Obtains delicate preparation for "Big Bubble" procedure.
12.00 mm length blunt beveled tip
Overall length 122 mm

13-172

FOREIGN BODY SPUDS

Davis
Foreign Body Spud

Overall length 123 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 **POPULAR**

LASIK p.154

20-001S SS

Lindstrom
LASIK/PRK Spatula and Epithelium
Removal Board

Semi-sharp end of the instrument is designed to remove epithelium. Fine spatula on the other end is used for flap manipulation during LASIK surgery.
Overall length 148 mm

20-002

LASIK p.154

LASIK
Spatula and Flap Retreatment
Instrument

Double-ended
Overall length 133 mm

20-013

LASIK p.154

LASEK SPATULAS

LASEK p.154

LASEK Epithelial Micro Hoe

Can be used to detach and lift the edge of the epithelium flap.
Overall length 120 mm

20-131

LASEK p.154

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 **POPULAR**

SMILE SPATULAS

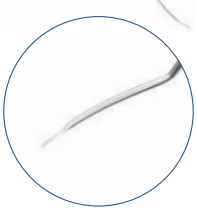
Stodulka
ReLEx Smile Double Lenticule Spatula

Blunt spoon and flat spatula
Overall length 140 mm

20-207 **POPULAR**

Wide disc-shaped beveled tip allows to dissect the lenticule safely and conveniently.

Flat spatula is used to identify and open the intrastromal pocket.



ReLEx Smile Double Lenticule Spatula

Blunt spoon and shortened atraumatic spatula
Overall length 139 mm

20-2071

Wide disc-shaped beveled tip allows to dissect the lenticule safely and conveniently.

Flat shortened spatula

FEMTOLASIK SPATULAS

FEMTOLASIK p.155

FemtoLASIK Flap Spatula
Double-Ended

A delicate pick and a curved spatula to open and manipulate the flap
Overall length 128 mm

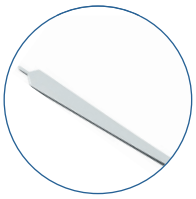
20-201 **POPULAR**

FEMTOLASIK p.155

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

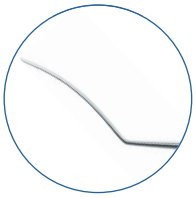


FEMTOLASIK p.155

Zaldivar FemtoLASIK Spatula

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

20-203 **POPULAR**



ICL™ SPATULAS

ICL p.155

ICL™ — registered trademark of STAAR®

Pallikaris ICL™ Manipulator

Designed to place the lens corners under the iris.
Sandblasted tip
Overall length 123 mm

13-141

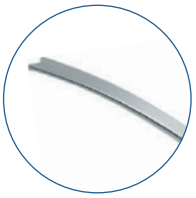
ICL p.155

ICL™ — registered trademark of STAAR®

Zaldivar ICL™ Manipulator

Double-ended instrument with slightly forked tips to place the lens corners under the iris.
Overall length 128 mm

13-142



ICRS SPATULAS

ICRS p.158

Elevator for ICRS 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

ICRS p.158

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

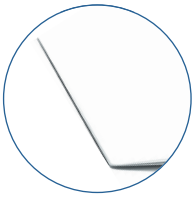
13-146

ICRS p.158

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, 5.00 mm length
Overall length 121 mm

13-147



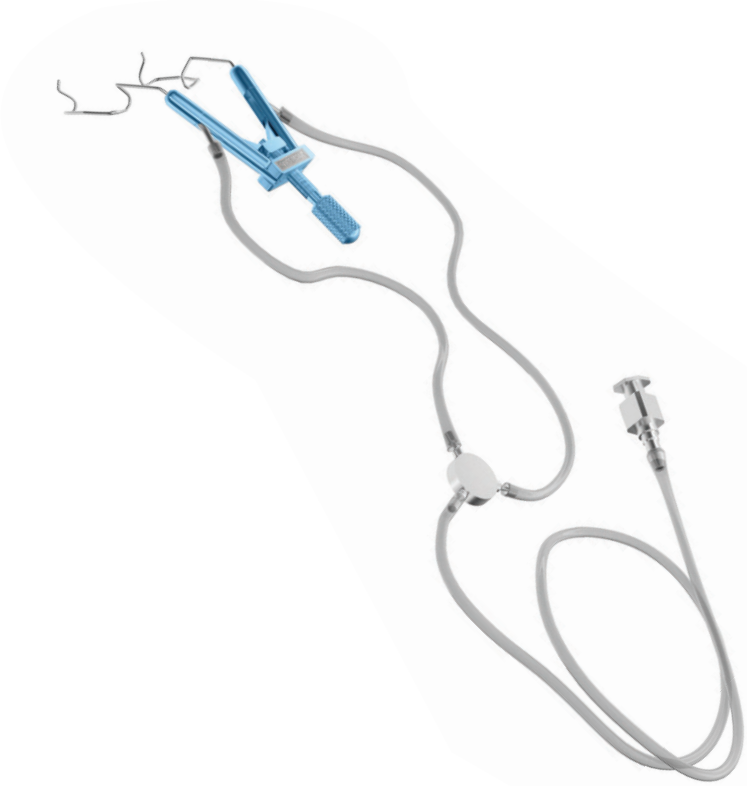
Product design and/or features that do not influence its functionality and main parameters are subject to change

SPECULUMS

SPECULUMS WITH ASPIRATION

Thumb-screw control to adjust lid tension

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



LASEK p.154 FEMTOLASIK p.154

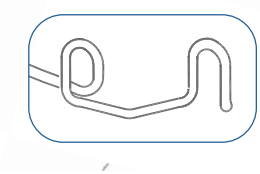
Kershner Style

14-060S SS

Reversible
Nasal/temporal approach
Solid blades, 14.00 mm
Overall length 70 mm

14-060A Adult

Lieberman Style



Temporal
“V” style open
blades, 14.00 mm
Overall length 78 mm

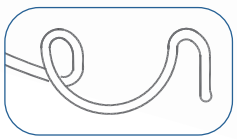
14-080A Adult

Child Lieberman Style

Temporal
«V» style open
blades, 10.00 mm
Overall length 64 mm

14-082A Child **POPULAR**

Lieberman Style for LASIK



Temporal
Rounded open
blades, 14.00 mm
Overall length 78 mm

14-080LA Adult **MOST POPULAR**

Lieberman Style for LASIK

Nasal
Rounded open blades, 14.00 mm
Overall length 75 mm

14-081LA Adult

LANCASTER SPECULUMS

Lancaster Eye Speculum

NEW

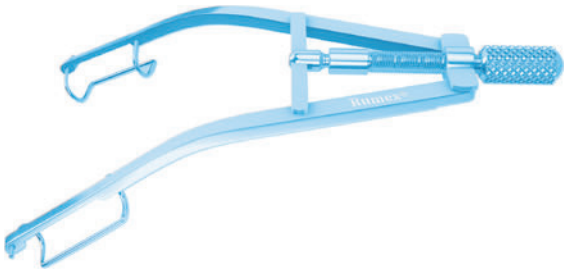
Adjustable mechanism with locking nut
Spring-control with locking mechanism and stabilizing disk
Solid-shaped slightly curved blades fit orbital margin, keep eyelashes from the surgical area, and provide optimal view.

Temporal
Solid blades, 16.00 mm
Overall length 67 mm
Titanium

14-045T

CASTROVIEJO SPECULUMS

Castroviejo Speculum



Temporal
Fenestrated blades, 14.00 mm
Blades spread 30.00 mm
Flat branches
Overall length 85 mm
Titanium

14-061T Adult **POPULAR**

REVERSIBLE SPECULUMS KERSHNER STYLE

Can be used both for nasal and temporal approach.

Kershner Reversible Speculum

Fenestrated blades, 14.00 mm
Flat branches
Overall length 70 mm
Titanium

14-062T Adult

14-0601S SS 14-060S SS

Kershner Reversible Speculum

Adult

Solid blades, 14.00 mm
Overall length 70 mm
Titanium

14-060T Round branches
14-0601T Flat branches

MOST POPULAR

Product design and/or features that do not influence its functionality and main parameters are subject to change

TEMPORAL SPECULUMS LIEBERMAN STYLE

Thumb-screw control to adjust lid tension

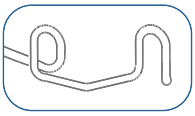
Temporal Speculum
Lieberman Style

Titanium

14-040S SS

«V» style open blades, 14.00 mm
Round branches
Overall length 71 mm

14-040T Adult **MOST POPULAR**



«V» style open blades, 10.00 mm
Round branches
Overall length 71 mm

14-042S SS

14-042T Child **POPULAR**

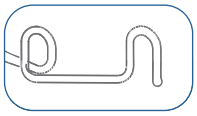
«V» style open blades, 14.00 mm
Flat branches
Overall length 76 mm

14-040IS SS

14-0401T Adult **MOST POPULAR**

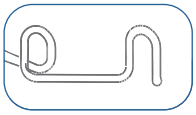
Kratz style open blades, 14.00 mm
Round branches
Overall length 71 mm

14-040TK Adult **MOST POPULAR**



Kratz style open blades, 14.00 mm
Flat branches
Overall length 76 mm

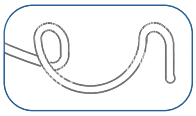
14-0401TK Adult **MOST POPULAR**



FEMTOLASIK p.154 LASEK p.154

For LASIK
Rounded open blades, 14.00 mm
Round branches
Overall length 71 mm

14-040TL Adult **POPULAR**



Specially designed to accommodate microkeratome suction ring.

For LASIK
Rounded open blades, 14.00 mm
Flat branches
Overall length 76 mm

14-0401TL Adult

featured

Slade-Murdoch Speculum
Adjustable Wire Speculum

Parallel retraction design. Quick installation and removal due to self-locking mechanism.
Blades specially curved to facilitate laser docking without increasing external pressure.
Open 14.00 mm blades
Overall length 51 mm

14-052T

NEW CATARACT p.150

Product design and/or features that do not influence its functionality and main parameters are subject to change

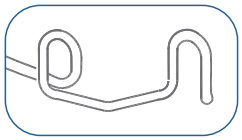
NASAL SPECULUMS LIEBERMAN STYLE

Thumb-screw control to adjust lid tension

Nasal Speculum Lieberman Style

Titanium

«V» style open blades
14.00 mm
Round branches
Overall length 76 mm



14-041T Adult **MOST POPULAR**

«V» style open blades,
10.00 mm
Round branches
Overall length 76 mm

14-043T Child

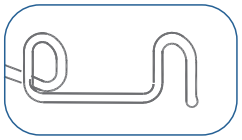
«V» style open blades,
14.00 mm
Flat branches
Overall length 76 mm

14-0411T Adult

«V» style open blades,
10.00 mm
Flat branches
Overall length 76 mm

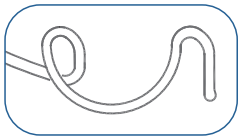
14-0431T Child

Kratz style open blades,
14.00 mm
Round branches
Overall length 76 mm



14-041TK Adult

For LASIK
Rounded open blades,
14.00 mm
Flat branches
Overall length 70 mm



14-0411TL Adult

Specially designed to accommodate microkeratome suction ring.

SAUER SPECULUMS

Solid blades
Blade spread 20.00 mm
Overall length 35 mm

14-030	Child (8.00 mm blades)
14-031	Newborn (5.00 mm blades)
14-032	Premature (4.00 mm blades)

BARRAQUER WIRE SPECULUMS

Angled for temporal approach

Stainless Steel

14-022D

Closed rounded wire blades

14.00 mm blades
Overall length 45 mm
14-022S Adult **MOST POPULAR**

11.00 mm blades
Overall length 38 mm
14-023S Child **POPULAR**

10.00 mm blades
Overall length 38 mm
14-024S Infant **POPULAR**

4.00 mm blades
Overall length 25 mm
14-0244S Newborn **MOST POPULAR**

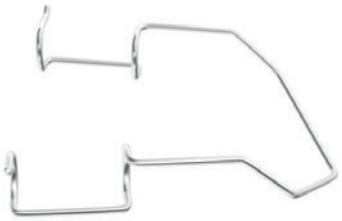
Solid blades

14.00 mm blades
Overall length 40 mm
14-0221S Adult **MOST POPULAR**

11.00 mm blades
Overall length 35 mm
14-0231 Child

5.00 mm blades
Overall length 28 mm
14-0241S Newborn

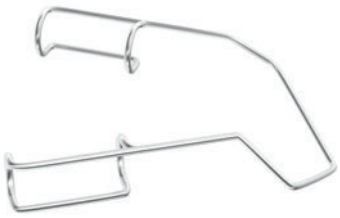
4.00mm blades
Overall length 28 mm
14-0222S Premature



Open wire blades

14.00 mm blades
Overall length 45 mm
14-025S Adult **MOST POPULAR**

11.00 mm blades
Overall length 40 mm
14-026S Child



Closed wire blades

14.00 mm blades,
Overall length 40 mm
14-028S Adult **MOST POPULAR**

11.00 mm blades,
Overall length 36 mm
14-0281S Child

Open rounded wire blades

14.00 mm blades,
Overall length 40 mm
14-0282S Adult

Open wire blades

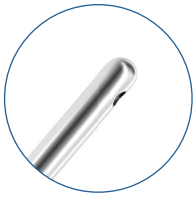
14.00 mm blades,
Overall length 45 mm
14-0286S Adult

10.00 mm blades,
Overall length 36 mm
14-0287S Child

CANNULAS

ANESTHESIA CANNULAS

Used to deliver anesthetic agents inside the muscle cone or the posterior Sub-Tenon`s space.



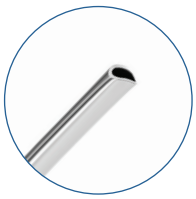
Sub-Tenon's Anesthesia Cannula

Curved
0.30 mm side port

15-009 19 Ga × 25 mm **POPULAR**

Atkinson Retrobulbar Needle

15-001-23 23 Ga × 38 mm



Sub-Tenon's Anesthesia Cannula

Curved
Flattened tip
Front opening

15-013-19 19 Ga × 25 mm

Sub-Tenon's Anesthesia Cannula

Curved
3 ports of 0.40 mm

15-011C-19 19 Ga × 25 mm

ANTERIOR CHAMBER CANNULAS

Used for maintaining and forming the anterior chamber by injecting or removing air, fluids, viscoelastics and intraocular medications.

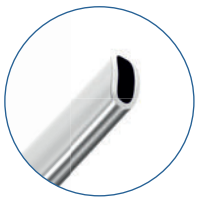
Rycroft Anterior Chamber Cannula

Angled 45°

4 mm angled tip
15-051-23 23 Ga × 22 mm
15-051-25 25 Ga × 22 mm
15-051-27 27 Ga × 22 mm **POPULAR**
15-051-30 30 Ga × 22 mm

6 mm angled tip
15-052-27 27 Ga × 22 mm

8 mm angled tip
15-053-27 27 Ga × 22 mm



Bishop-Harmon Anterior Chamber Cannula

8 mm angled tip
Angled 40°
Spatulated

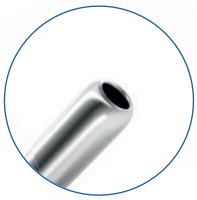
15-055-19 19 Ga × 25 mm **MOST POPULAR**

Product design and/or features that do not influence its functionality and main parameters are subject to change

Bracken Anterior Chamber Cannula

Curved 90°
Flattened beveled tip

15-057 19 Ga × 23 mm

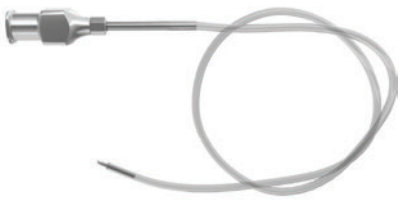


McIntyre Anterior Chamber Cannula

Angled 45°
Smooth blunt tip
Front opening

15-061-26 26 Ga × 20 mm

21-R2520



Lewicky Anterior Chamber Maintainer

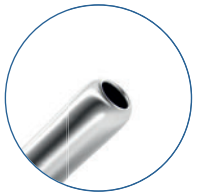
Self-retaining threaded tip for stable fixation within the corneal stroma
27.5 cm silicone tubing

15-065 20 Ga × 3.5 mm tip **MOST POPULAR**

Jaymce Anterior Chamber Maintainer

Bulbous beveled tip allows easy insertion and stable fixation within the corneal stroma
27.5 cm silicone tubing

15-1067 20 Ga × 4 mm tip



Irrigating Cannulas

Straight
Blunt polished tip

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

Girard Anterior Chamber Maintainer

Atkinson tip
27.5 cm silicone tubing

15-067 23 Ga × 5 mm tip **POPULAR**

IRRIGATING/ASPIRATING CANNULAS

Used for removing cortical debris or viscoelastic solution while maintaining the anterior chamber during cataract surgery.

ECCE p.152 PHACO p.151

Simcoe I/A Cannulas

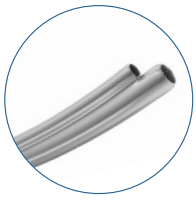
Regular
0.30/0.40 mm irrigation port, 0.40 mm side opening for aspiration
Irrigation through luer-lock hub, aspiration through the silicone tubing hub

15-129-0.3 23/23 Ga **MOST POPULAR**
15-129-0.4 23/23 Ga

Reverse
0.30/0.40 mm aspiration port, 0.40 mm side opening for irrigation
Aspiration through luer-lock hub, irrigation through the silicone tubing hub

15-133-0.3 23/23 Ga
15-133-0.4 23/23 Ga

Product design and/or features that do not influence its functionality and main parameters are subject to change



Gills I/A Cannula

Side by side front opening

15-119 23/23Ga

J-Shaped I/A Cannula

Regular
"J" shape facilitates removal of cortex at 12 o'clock position
0.30 mm top port

15-1149R 23/23 Ga, Right

LENS REMOVAL/NUCLEUS REMOVAL CANNULAS

Specifically designed to aid in phacoemulsification during the lens extraction phase. The loop is placed between the lens and the posterior chamber, ensuring an atraumatic lens removal.

Knolle-Pearse Irrigating Vectis

3 irrigating ports at 12, 10 and 2 o'clock
Loop 5.00 mm wide, 9.00 mm long

15-183 23 Ga × 35 mm

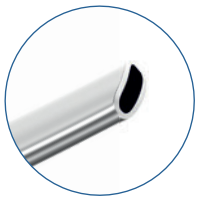
Sheets Irrigating Vectis

3 irrigating ports
Serrations on top
Loop 6.50 mm wide, 19.00 mm long

15-203 21 Ga × 38 mm

HYDRODISSECTION/HYDRODELINEATION CANNULAS

Designed for easy placement under the anterior capsule to deliver fluids to facilitate the separation of the cortex from the capsule.



ECCE p.152 PHACO p.151

McIntyre Nucleus Hydrodissector

Flattened on the horizontal plane tip provides the broad stream of fluid
Angled 45°, 11 mm angled tip

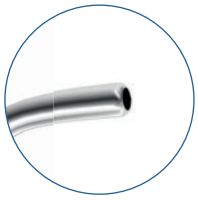
15-071-23 23 Ga × 22 mm
15-071-25 25 Ga × 22 mm
15-071-27 27 Ga × 22 mm

MOST POPULAR

Chang Nucleus Hydrodissector

Beveled tip used to rotate the nucleus
Flat tip ensures easy insertion under the capsular rim and broad stream of fluid
Angled 90°

15-0681 27 Ga × 16 mm **MOST POPULAR**



Pearce J-Shaped Micro Hydrodissector

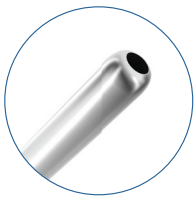
Hook 1.75 mm wide, 2.25 mm long
"J" shape facilitates hydrodissection at the 12 o'clock position

15-073-27 27 Ga × 22 mm

Product design and/or features that do not influence its functionality and main parameters are subject to change

CORTEX REMOVAL CANNULAS

Used to remove cortical material during phacoemulsification.



McIntyre-Binkhorst Cannula

Left
Blunt tip

15-079L 26 Ga × 22 mm

Simcoe Cortex Extractor Cannula

0.35 mm side port

15-091-13/23 23 Ga × 13 mm

CYSTOTOME CANNULAS

Used to perform capsulorhexis. Tip is designed for opening of anterior capsule.

Kelman Sharp Irrigating Cystotome

Curved sharp cutting edge

15-025 25 Ga × 32 mm

CAPSULE POLISHERS

Specially designed for scrubbing all parts of the capsular bag. Tungsten carbide coating of the tip ensures the delicate and efficient capsule polishing.

MICS p.151 PHACO p.151

Microincisional Capsule Polisher

Disc-shaped sandblasted tip
Curved tube for better visualization
For a sub-2.00 mm incision

15-170 23 Ga × 25 mm

Kratz Capsule Polisher

0.30 mm side port
Angled, blasted 3 mm from end

15-169-23 23 Ga × 22 mm

Jensen Capsule Polisher

Gently curved
Olive-shaped sandblasted tip

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

GLAUCOMA CANNULAS

Viscocanalostomy Cannula

For viscoelastic injection during Glaucoma surgery
Angled micro-gauge cannula with 5 mm beveled tip

15-1051-30 30 Ga × 20 mm

DALK CANNULAS

DALK p.157

Cannula for DALK Procedure

Bottom port 0.20 mm
Designed for air injection in order to achieve an ideal “Big Bubble”

15-450-27 27 Ga × 38 mm **MOST POPULAR**

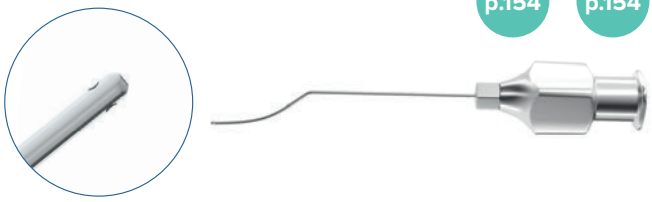
REFRACTIVE CANNULAS

FEMTOLASIK p.154 LASIK p.154

Vidaurri LASIK Irrigation Cannula

Universal cannula simultaneously irrigates both sides of the flap, washes the stromal bed and enables the flap positioning
Double-armed, 8 irrigating ports

15-371-25 25 Ga × 22 mm



Buratto LASIK Irrigation Cannula

3 irrigating ports of 0.25 mm

15-379-25 25 Ga × 32 mm

LASIK p.154

Slade LASIK Cannula

Flattened spatulated tip

15-376 26 Ga × 25 mm

LASIK p.154

Banaji LASIK Irrigation Cannula

Curved
4 ports of 0.25 mm

15-373-25 25 Ga × 22 mm **POPULAR**

Gimbel LASIK Fountain Cannula

Right
Single port of 0.25 mm

15-378R 25 Ga × 25 mm

Product design and/or features that do not influence its functionality and main parameters are subject to change

LACRIMAL CANNULAS

For surgical treatment, repair and irrigation of the nasolacrimal system.

Lacrimal Cannulas

23 Ga cannula with 20 Ga reinforced shaft
Malleable tip

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

Bailey Lacrimal Cannula

Straight
23 Ga cannula with 20 Ga reinforced shaft

15-031	23 Ga × 15 mm	**POPULAR**

Shahinian Lacrimal Cannula

Smooth bullet shape tip

15-032	25 Ga × 35 mm

Fasanella Lacrimal Cannula

Gently curved

15-033	23 Ga × 42 mm	**POPULAR**

Anel Lacrimal Cannulas

Special long mount blunt tip
Straight

15-035-23S	23 Ga × 20 mm
15-035-25S	25 Ga × 20 mm

Anel Lacrimal Cannulas

Special long mount blunt tip
Curved

15-035-23C	23 Ga × 20 mm
15-035-25C	25 Ga × 20 mm

ACCESSORIES

Designed to be attached to a cannula for irrigation and/or aspiration during ophthalmic surgeries.

Silicone Bulb with Adapter

15-301/303

MOST POPULAR

Titanium Microsurgical Handle

Male-Male (shown)	15-307T
Male-Female	15-308T

Product design and/or features that do not influence its functionality and main parameters are subject to change

MISCELLANEOUS

ALGERBRUSH INSTRUMENTS*
COMPLETE SET OF A POWER HANDLE, CHUCK, AND BURR

Pterygium Remover

PTERYGIUM p.159

Diamond burr provides excellent smoothing of corneal surface after surgical removal of the tissue.

MOST POPULAR
16-051-2.5 With a 2.50 mm Diamond Round Fine Grit Burr

POPULAR
16-050-3.5 With a 3.50 mm Diamond Round Medium Grit Burr

16-050-5.0 With a 5.00 mm

Rust Rings Remover

Used to remove foreign bodies and rust rings from patient's eye.
Tungsten carbide coating ensures efficient corneal surface smoothing.

16-140 With a 1.00 mm Burr

16-141 With a 0.50 mm Burr

ALGERBRUSH REPLACEMENT BURRS*

Pterygium Remover Replacement Burrs with Chuck

1 per box, reusable, non-sterile

POPULAR
16-051-2.5B Diamond Round Fine Grit Burr, 2.50 mm

16-051-3.5B Diamond Round Medium Grit Burr, 3.50 mm

MOST POPULAR
16-052-5.0B Diamond Disk-Shaped Medium Grit Burr, 5.00 mm

Rust Rings Remover Replacement Burrs

5 per box, reusable, non-sterile

POPULAR
16-142B Tungsten Burr, 1.00 mm

16-143B Tungsten Burr, 0.50 mm

*Not available in Canada
Product design and/or features that do not influence its functionality and main parameters are subject to change

DISPOSABLE ELECTRIC EYE CAUTERIES

STERILE 2 10 PER BOX

Electric Eye Cautery

Battery operated
Low temperature

16-041 adjustable fine tip
16-042 elongated fine tip

FIXATION RINGS

Fine-Thornton Phaco Fixation Ring

16-036S SS

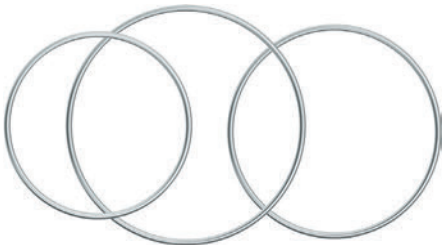
3/4 open ring with swivel
Titanium

13.00 mm diameter ring with teeth
Overall length 96 mm

16-036T **POPULAR**

14.00 mm diameter ring with teeth
Overall length 98 mm

16-0341T



FLIERINGA RINGS

Flieringa Rings

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

16-030-14 (14.00 mm)
16-030-15 (15.00 mm)
16-030-16 (16.00 mm)
16-030-17 (17.00 mm)
16-030-18 (18.00 mm)
16-030-19 (19.00 mm)
16-030-20 (20.00 mm)
16-030-21 (21.00 mm)
16-030-22 (22.00 mm)
16-030-24 (24.00 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

ECCE p.152 PHACO p.151

Plunger mechanism with reverse inner spring for easy and efficient one-handed implantation technique
Specially designed handle with a ring enables firm grip and precise control.

Can be supplied with **4-2141T IOL Loading Forceps.**
Overall length 212 mm

16-2806* For A, B, C catridges
16-2808* For D catridge **POPULAR**

*Not available in US, Japan, Germany, Switzerland
Product design and/or features that do not influence its functionality and main parameters are subject to change

IOL Injector

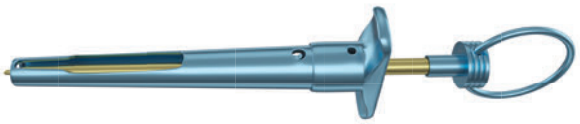
Plunger mechanism with reverse inner spring for easy and efficient one-handed implantation technique
Specially designed handle enables firm grip and precise control.
Can be supplied with **4-2141T IOL Loading Forceps.**
Overall length 187,5 mm

16-2807* For D catridge

IOL Injector NaviJect ™

Plunger mechanism with reverse inner spring for easy and efficient one-handed implantation technique
Specially designed handle with a ring for precise control.
To be used with **IOL cartridges CAT-22, CAT-24.**
Overall length 178,5 mm

16-2853



LENS LOOPS

Wilder
Lens Loop

4.00 mm width
Overall length 134 mm

16-072 **MOST POPULAR**

16-072S SS

LID PLATES

Lid Plate

20.00 mm and 24.00 mm wide
Nonreflecting surface
Overall length 110 mm

16-50S Stainless Steel (shown) **POPULAR**
16-50T Titanium

OCULOPLASTIC p.165 LID p.163

PUNCHES & RONGEURS

Belz
Lacrimal Sac Rongeur

Polished finish
Overall length 185 mm
Stainless Steel

16-138

LACRIMAL p.162

Kerrison Rongeur

3.00 mm wide
9.00 mm opening
Polished finish
Stainless Steel
Overall length 140 mm

16-136 size 0

LACRIMAL p.162

*Not available in US, Japan, Germany, Switzerland
Product design and/or features that do not influence its functionality and main parameters are subject to change

RUMEX Corneoscleral Punch

Set of Stainless Steel tips:
0.50 mm, 0.75 mm, 1.00 mm, 1.50 mm
Titanium handle
Overall length 122 mm

16-010

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
Tip only

16-0111* 20 Ga

GLAUCOMA p.159

16-011S SS

Kelly
Descemet's Membrane Punch

Stainless Steel tip
Serrated squeeze action Titanium handle
Overall length 131 mm

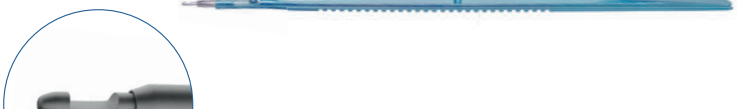
16-011 **MOST POPULAR**

SCLERAL DEPRESSORS

Flynn
Scleral Depressor

Loop style tip for depressing pediatric sclera
Overall length 100 mm

16-115 **MOST POPULAR**



Schocket
Double-Ended Scleral Depressor

With pocket clip
Overall length 143 mm

16-111 Titanium Handle/Stainless Steel tips (shown)
16-111S Stainless Steel **MOST POPULAR**

16-111S SS

SPOONS & CURETTES

Bunge
Evisceration Spoon

Small size
Overall length 137 mm

16-061

Large size
Overall length 141 mm

16-062

ENUCLEATION p.168

Meyerhoefer
Chalazion Curette

Overall length 135 mm

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

CHALAZION p.165

16-063S SS 16-064S SS 16-065S SS 16-066S SS 16-067S SS

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change

Wells
Enucleation Spoon

Overall length 145 mm

16-060

ENUCLEATION p.168

SURGICAL MALLETS & CHISELS

Surgical Chisel

3.00 mm
Overall length 136 mm
Stainless Steel

16-137

Surgical Mallet

Polished finish
Overall length 177 mm
Stainless Steel

16-135

LACRIMAL p.162

NASAL SPECULUMS

Nasal Speculum

Adult size
Polished finish
Stainless Steel
Overall length 150 mm

16-127

LACRIMAL p.162

TRABECULOTOMES

Harms
Trabeculotome

9.00 mm long pointed tips with 3.00 mm spread
Overall length 51 mm
Stainless Steel

16-012S left (shown)
16-013S right

GLAUCOMA p.159

CORNEAL p.156

TREPHINES

Corneal Trephine Blades

Polished finish
Stainless Steel

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

ICRS p.158

TUNNEL MAKERS

Tunnel Maker

ID 4.40 mm/ED 5.60 mm
Stainless Steel

16-173S Left
16-174S Right

PERIOSTEAL ELEVATORS

Tenzel Periosteal Elevator

Shaft size to tip - 30.00 mm
Paddle width - 4.00 mm
Paddle thickness -1.40 mm
Overall length - 130 mm
Stainless Steel

The smooth end is used for blunt dissection of the periosteum over the inferior and lateral orbital rim.
The sharp edge is used to reflect periosteum from the incision in a downward direction over the cheekbone.

16-139

Product design and/or features that do not influence its functionality and main parameters are subject to change

STERILIZATION TRAYS

Size Chart

Item	Inserts	Dimensions		Size	Configuration	Accommodates, number of instruments
		mm	in			
Plastic Tray						
18-300	2 silicone plug-in inserts	190×101×38	7.5×4×1.5″	Medium	Single level	1
18-301-1	2 silicone plug-in inserts	152×63.5×19	6×2.5×0.75″	Small	Single level	2
18-305-1	2 silicone plug-in inserts	254×152.4×38	10×6×1.5″	Large	Single level	3
18-303-1	2 silicone plug-in inserts	190×101×19	7.5×4×0.75″	Medium	Single level	4
18-300-1	silicone finger tip mat	190×101×38	7.5×4×1.5″	Medium	Single level	4-6
18-301	silicone finger tip mat	152×63.5×19	6×2.5×0.75″	Small	Single level	2-3
18-302	silicone finger tip mat	165×101×19	6.5×4×0.75″	Small	Single level	4-5
18-303	silicone finger tip mat	190×101×19	7.5×4×0.75″	Medium	Single level	4-6
18-304	silicone finger tip mat	254×152×19	10×6×0.75″	Large	Single level	10-15
18-305	silicone finger tip mat	254×152×38	10×6×1.5″	Extra Large	Double level	20-30
18-307	silicone finger tip mat	68.5×38×25.5	3×1.5×1″	Very Small	Single level	1-2
18-308	silicone finger tip mat	190.5×63.5×19	7.5×2.5×0.75″	Medium	Single level	4-5
Stainless Steel Trays						
18-318	silicone finger tip mat	240×240×60	9.5×9.5×2.5″	Extra Large	Double level	20-30
Aluminum Trays						
18-319	silicone finger tip mat	155×65×20	6.0×2.5×0.80″	Small	Single level	2-3
18-320	silicone finger tip mat	155×65×40	6.0×2.5×1.5″	Small	Single level	2-3
18-321	silicone finger tip mat	200×65×20	7.75×2.5×0.80″	Medium	Single level	4-5
18-322	silicone finger tip mat	200×110×20	7.75×4.25×0.80″	Medium	Single level	4-6
18-323	silicone finger tip mat	200×110×40	7.75×4.25×1.5″	Medium	Single level	4-6
18-324	silicone finger tip mat	260×160×20	10.25×6.25×0.80″	Large	Single level	10-15
18-325	silicone finger tip mat	260×160×40	10.25×6.25×1.5″	Large	Single level	10-15
18-326	silicone finger tip mat	260×160×40	10.25×6.25×1.5″	Extra Large	Double level	20-30
18-327	silicone finger tip mat	260×160×80	10.25×6.25×3.25″	Extra Large	Double level	20-30
18-328	silicone finger tip mat	260×160×80	10.25×6.25×3.25″	Large	Single level	10-15
18-331	silicone finger tip mat	215×165×20	8.50×6.50×0.80″	Large	Single level	6-8
18-332	silicone finger tip mat	310×235×20	12.25×9.25×0.80″	Extra Large	Single level	20-30
18-333	silicone finger tip mat	375×220×45	14.75×8.75×1.75″	Extra Large	Double Level + Open Section	30-45
18-334	silicone finger tip mat	390×265×20	15.5×10.5×0.80″	Extra Large	Single level	25-35
18-335	silicone finger tip mat	390×265×40	15.5×10.5×1.5″	Extra Large	Single level	25-35
18-336	silicone finger tip mat	390×265×40	15.5×10.5×1.5″	Extra Large	Double level	50-70

PLASTIC TRAYS

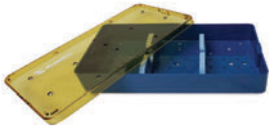
RUMEX plastic trays are molded from General Electric's ULTEM® resin, using mold flow analysis to guarantee product strength, structural integrity, and extended life cycle. Trays come either with silicone finger tip mat or plug-in inserts.

AUTOCLAVE
STEAM
DRY HEAT
CHEMICAL

18-300 **POPULAR**

Silicone inserts
for 1 instrument

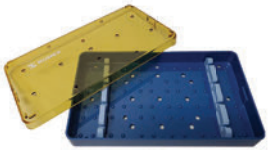
190×101×38 mm
7.5×4×1.5 in



18-303-1

Silicone inserts
for 4 instruments

190×101×19 mm
7.5×4×0.75 in



18-305-1

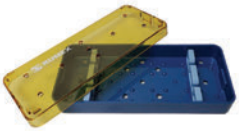
Silicone inserts
for 3 instruments

254×152.4×38 mm
10×6×1.5 in

18-301-1 **POPULAR**

Silicone inserts
for 2 instruments

152×63.5×19 mm
6×2.5×0.75 in

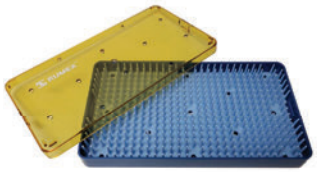


18-301 **MOST POPULAR**

152×63.5×19 mm
6×2.5×1.5 in

18-300-1

190×101×38 mm
7.5×4×1.5 in



18-308 **MOST POPULAR**

190.5×63.5×19 mm
7.5×2.5×0.75 in

18-302 **MOST POPULAR**

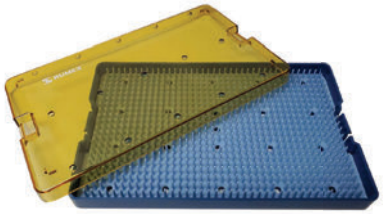
165×101×19 mm
6.5×4×0.75 in

18-303 **MOST POPULAR**

190x101x19 mm
7.5×4×0.75 in

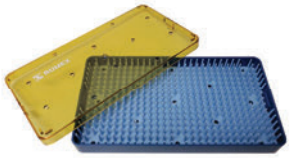
18-304 **MOST POPULAR**

254x152×19 mm
10×6×0.75 in



18-303

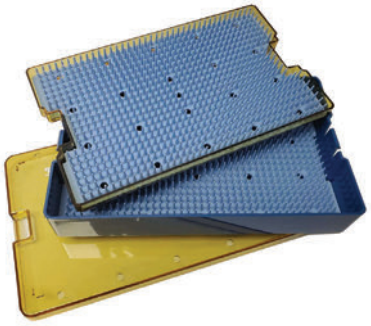
190×101×19 mm
7.5×4×0.75 in



18-305 **MOST POPULAR**

Double Level

254×152×38 mm
10×6×1.5 in



18-307 **POPULAR**

68.6×38×25.4 mm
3×1.5×1 in

Product design and/or features that do not influence its functionality and main parameters are subject to change

ALUMINUM TRAYS

NEW

AUTOCLAVE
STEAM
DRY HEAT
CHEMICAL

RUMEX aluminum trays are manufactured from an anodized aluminum alloy to prevent corrosion and ensure long-term use. This aluminum alloy has high thermal conductivity for faster drying.
The trays are lightweight for easy transportation and handling.
Trays come with silicone finger tip mat.

18-319
155×65×20 mm
6×2.5×0.8 in

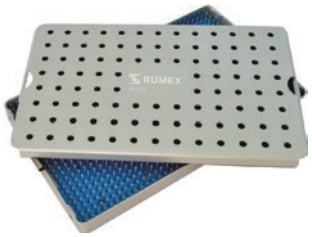
18-320
155×65×40 mm
6×2.5×1.5 in

18-321
200×65×20 mm
2.5×7.75×0.8 in

18-322
200×110×20 mm
7.75×4.25×0.8 in

18-323
200×110×40 mm
7.75×4.25×1.5 in

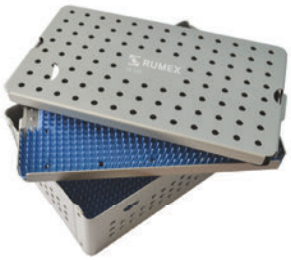
18-324
260×160×20 mm
10.25×6.25×0.8 in



18-325
260×160×40 mm
10.25×6.25×1.5 in

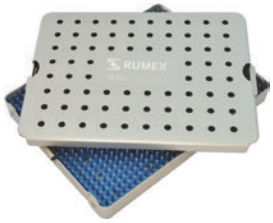
18-328
260×160×80 mm
10.25×6.25×3.25 in

18-326
Double Level
260×160×40 mm
10.25×6.25×1.5 in

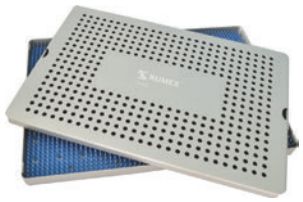


18-327
Double Level
260×160×80 mm
10.25×6.25×3.25 in

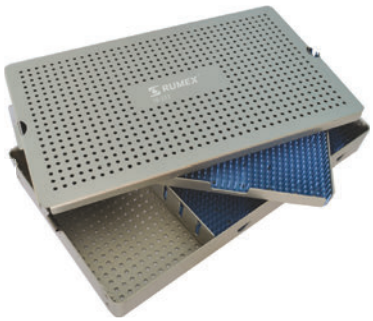
18-331
215×165×20 mm
8.5×6.5×0.8 in



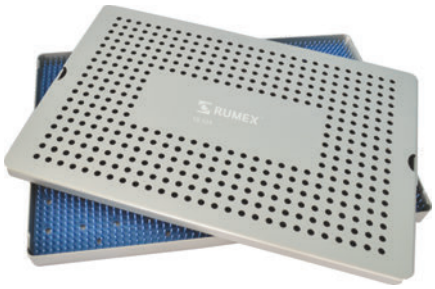
18-332
310×235×20 mm
12.25×9.25×0.8 in



18-333
Double Level +
Open Section
375×220×45 mm
14.75×8.75×1.75 in

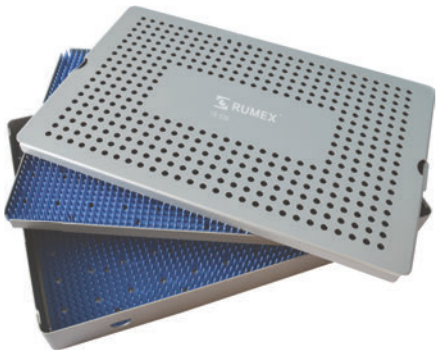


18-334
390×265×20 mm
15.5×10.5×0.8 in



18-335
390×265×40 mm
15.5×10.5×1.5 in

18-336
Double Level
390×265×40 mm
15.5×10.5×1.5 in



STAINLESS STEEL TRAYS

18-318
With silicone mat, double level
240x240x60 mm
9.5×9.5×2.5 in

Product design and/or features that do not influence its functionality and main parameters are subject to change

LASEK/LASIK INSTRUMENTS

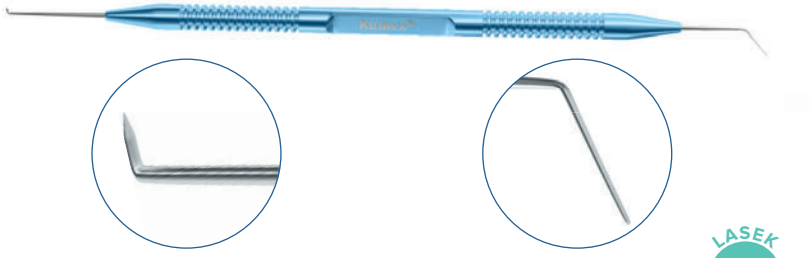
SPATULAS

LASIK p.154

LASIK Spatula and Flap Retreatment Instrument

Double-ended
Overall length 133 mm

20-013

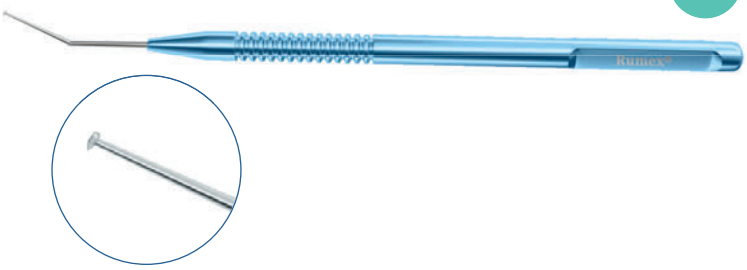


LASEK p.154

LASEK Epithelial Micro Hoe

Can be used to detach edge of the epithelium flap.
Overall length 120 mm

20-131



LASEK p.154

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 **POPULAR**

SPATULAS

FEMTOLASIK p.154

FemtoLASIK Flap Spatula

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

20-201

FEMTOLASIK p.154

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

FEMTOLASIK p.154

Zaldivar FemtoLASIK Spatula

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

20-203

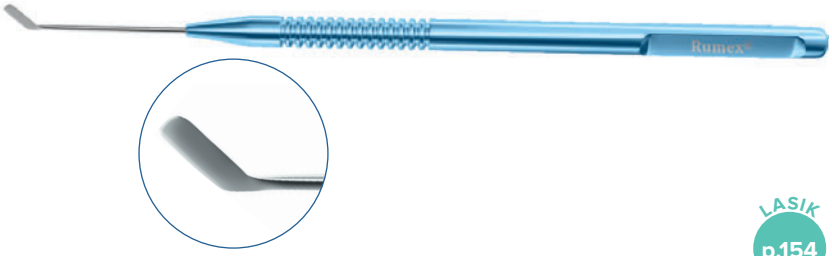
EPITHELIUM REMOVAL KNIVES

LASIK p.154 20-0015 SS

Hockey Knife

To remove epithelium during PRK procedure and LASIK retreatment
Overall length 128 mm

20-001 **POPULAR**

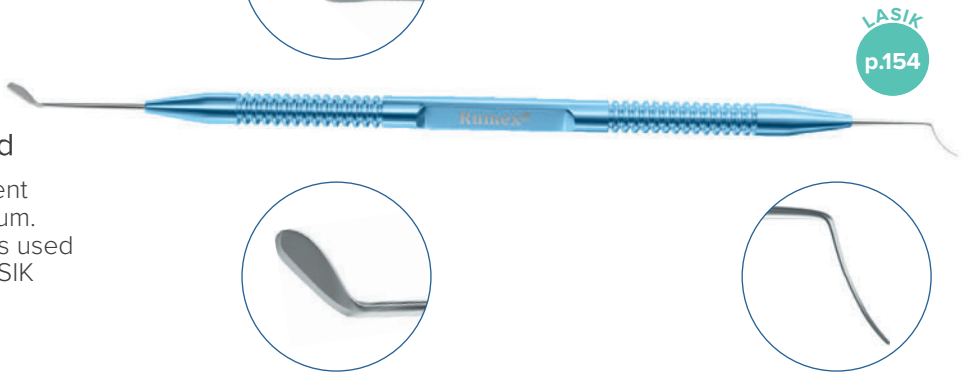


Lindstrom LASIK/PRK Spatula and Epithelium Removal Board

LASIK p.154

Semi-sharp end of the instrument is designed to remove epithelium. Fine spatula on the other end is used for flap manipulation during LASIK surgery.
Overall length 148 mm

20-002



TREPHINES AND FUNNELS

LASEK Trephine

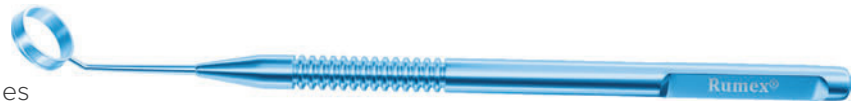
For epithelial flap creation
Depth of the incision 70 mµm
Overall length 128 mm

20-1011 8.00 mm
20-1021 9.00 mm

LASEK Funnel

For application of alcohol solution
For 8.00 mm and 9.00 mm optical zones
Overall length 129 mm
Titanium

20-1031T 8.50 mm
20-1041T 9.50 mm



LASEK Trephine & Funnel

LASEK p.154

For epithelial flap creation
Depth of the incision 70 mµm
For application of alcohol solution
For 8.00 mm and 9.00 mm optical zones
Overall length 142 mm

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

DON'T FORGET TO BUY

MARKING PENS

STERILE 2 10 PER BOX

Disposable Marking Pen

Double-ended

20-050

Product design and/or features that do not influence its functionality and main parameters are subject to change

MOST POPULAR	Best-selling item
POPULAR	SKU preferred by the majority of customers
NEW	Recently introduced into the product range of RUMEX International Co.
COMING SOON	This item will be available in RUMEX range soon
2	Disposable instruments
2	Available in a single-use edition
SS	Available in Stainless Steel
SET p.100	Featured instrument in the set on page 100
DON'T FORGET TO BUY	Frequently bought together
6 PER BOX	Quantity in the box

VITREORETINAL INSTRUMENTS AND CONSUMABLES

A VARIETY OF OPTIONS FOR VITREORETINAL SURGERY

REUSABLE

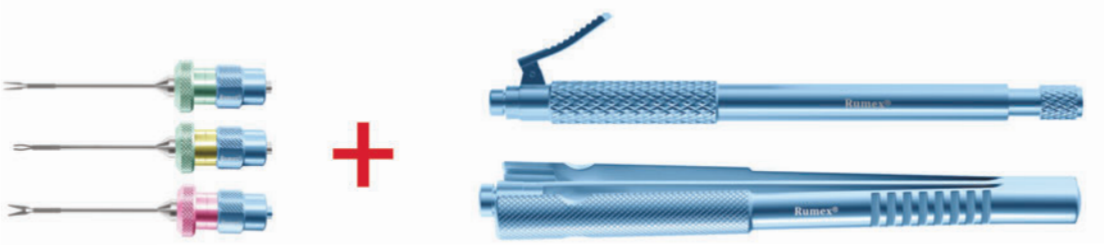
EASY TO CLEAN

DURABLE | Ti TITANIUM HANDLE | SS STAINLESS STEEL TIPS

Option 1. Two-Piece Instruments

Universal Handle + Interchangeable Tips*

Money-Wise Solution



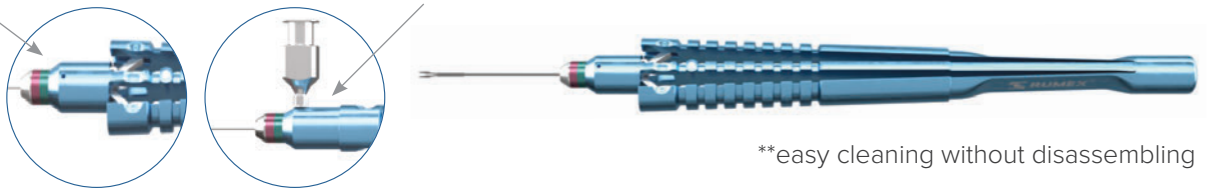
*completely detachable for most effective cleaning

Option 2. One-Piece Instruments

with Innovative RUMEX Flushing System**

Flushing port

Flushing cannula



**easy cleaning without disassembling

DISPOSABLE

READY FOR USE

STERILE 2 | 6 PER BOX

Option 1. All Stainless Steel Instruments*

Precise performance and instant tactile control

SHELF LIFE 3 YEARS

Option 2. Ergonomic 360-Degree Handle**

Enhanced utility due to rotatable squeeze handle

SHELF LIFE 5 YEARS

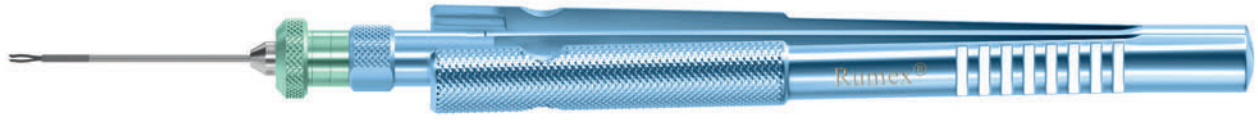
*Not available in US

**Not available in Europe, US

Product design and/or features that do not influence its functionality and main parameters are subject to change

FEATURED PRODUCTS

Universal End-Grasping Forceps with Asymmetrical Branches

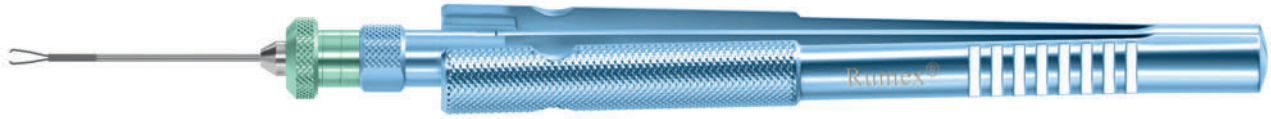


Universal End-Grasping Forceps allow the performing of ILM peeling and safe removal of epiretinal membranes. Asymmetrical design of branches provides for ideal maneuverability and excellent visualization of the grasped tissue.

12-420-23	23 Ga	POPULAR
12-420-25	25 Ga	POPULAR
12-420-27	27 Ga	

Tip only

End-Grasping Forceps

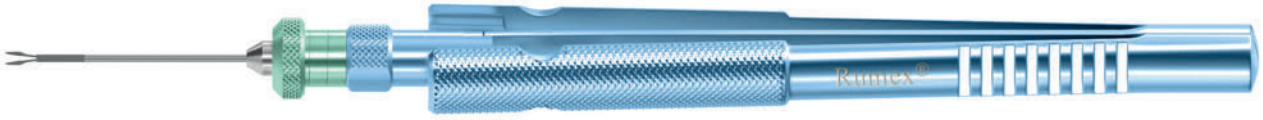


The special design of the tips promotes delicate, precise and safe ILM peeling. The strengthened jaws ensure enhanced gripping power. Expanded space between branches contributes to greater visualization of the grasped membrane in the macular area.

12-4013	23 Ga	MOST POPULAR

Tip only

Gripping Forceps with a ‘Crocodile’ Platform



Designed for the removal of epiretinal membranes. Blunt, atraumatic serration intensifies grasping capacity and prevents tissue shredding.

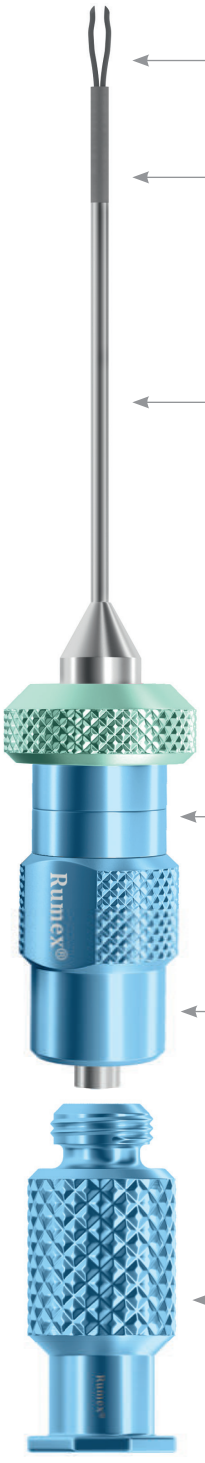
12-304	20 Ga	MOST POPULAR
12-304-23	23 Ga	
12-304-25	25 Ga	

Tip only

Product design and/or features that do not influence its functionality and main parameters are subject to change

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)*.



Delicate tips, exquisite gripping/cutting function

Anti-glare matte finishing

Stiff and flexible Stainless Steel tube

Rotating wheel to customize the position of a tip

Flushing Adapter

Provided with each tip **free of charge!**

12-000T

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
25 Ga	0.020	0.50
27 Ga	0.016	0.40

Color Code System**

Color code system is used to indicate vitreoretinal tips, their function and size.

Function	
Pink	Scissors
Green	Forceps
Gauge	
Gray	17
Pink	20
Green	23
Blue	25
Yellow	27
COMPATIBILITY (adjustable to handles)	
Pink	12-001T
Blue	12-001T / 12-003T

Manual Cleaning

Proper cleaning of the instrument is necessary to preserve its working condition.

RUMEX manufactures interchangeable microincisional and vitreoretinal instrument tips that can be cleaned with a regular syringe.

*Handles are sold separately! **Colors of details may differ slightly from those displayed in this catalog.
Product design and/or features that do not influence its functionality and main parameters are subject to change

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)

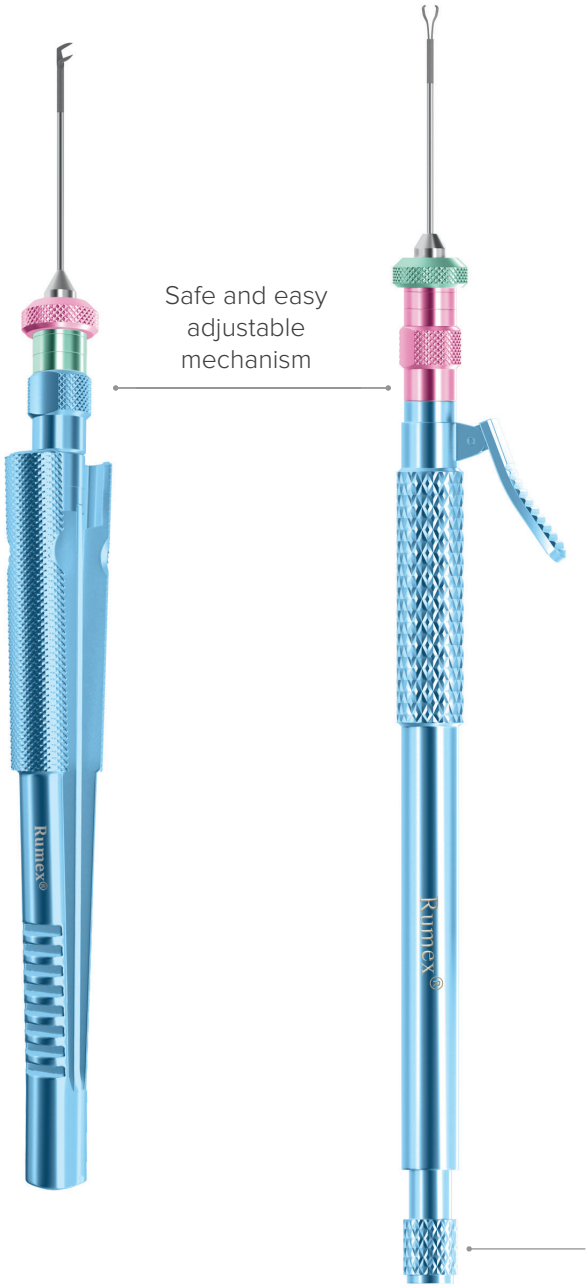
12-003S
SS

Ergonomic Model

Two Fingers Control Squeeze Handle

12-003T **MOST POPULAR**

- 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



Classic Model

One Finger Control Handle

12-001T **MOST POPULAR**

- One finger linear actuation
- Classic design approved by decades of work
- Compatible with all models of tips

*Tips are sold separately!
Product design and/or features that do not influence its functionality and main parameters are subject to change

SCISSORS*

Designed for cutting membranes and junction zones of the proliferative tissue.

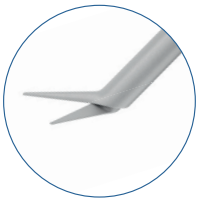
COMPATIBLE
WITH 12-003T ONLY

Vertical Scissors

70°
Sharp tips

12-202	20 Ga
12-202-23	23 Ga

MOST POPULAR



Horizontal Scissors

55°

12-206**	20 Ga

Klaus Lucke Retinotomy Scissors

With bulbous tip

12-2020	20 Ga

Horizontal Scissors

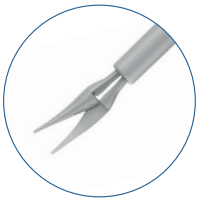
Angled
45°
Short blades (1.70 mm in the closed position)

12-2085	20 Ga

Vertical Scissors

45°

12-2029	25 Ga



Curved Subretinal Scissors

Curvature radius 12.00 mm

12-209	20 Ga
12-209-23	23 Ga
12-2099	25 Ga

MOST POPULAR

Straight Scissors

Blunt tips

12-211	20 Ga

Horizontal Scissors

Angled
45°
With illumination

12-2084	20 Ga

Side Curved Scissors

12-215	20 Ga

*Tips are sold separately!
** Compatible with Universal Handle 12-001T Only
Product design and/or features that do not influence its functionality and main parameters are subject to change

INTERNAL LIMITING MEMBRANE (ILM) FORCEPS

Delicate branches for ILM peeling

ILM

Asymmetrical End-Grasping Forceps

Standard tube, 28.00 mm

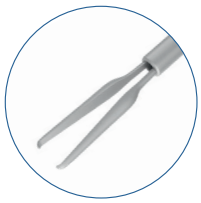
12-420-23	23 Ga	**POPULAR**
12-420-25	25 Ga	**POPULAR**
12-420-27	27 Ga	

Designed for myopic eyes.
Elongated tube, 30.00 mm

12-4202-23	23 Ga

Enhanced visualization!

ILM



Eckardt End-Gripping Forceps

12-410	20 Ga	
12-410-23	23 Ga	**MOST POPULAR**
12-410-25	25 Ga	
12-410-27	27 Ga	

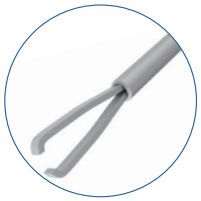
ILM

Tano Asymmetrical End-Gripping Forceps

12-411	20 Ga
12-411-23	23 Ga
12-411-25	25 Ga

Universal End-Grasping Forceps allow 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.

ILM



End-Grasping Forceps

Expanded space between branches

12-4013	23 Ga	**MOST POPULAR**

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

*Tips are sold separately!
Product design and/or features that do not influence its functionality and main parameters are subject to change

EPIRETINAL FORCEPS*

- Strengthened jaws for the removal of epiretinal membranes
- Gripping function is enhanced by sandblasted/serrated platform or nail shaped jaws

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

ERM

Gripping Forceps

With a sandblasted platform

12-301	20 Ga
12-301-23	23 Ga
12-3019	25 Ga

MOST POPULAR

ERM

End-Gripping Forceps

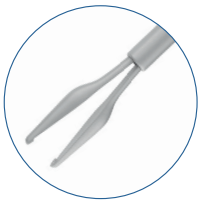
With serrated micro jaws

12-400	20 Ga

ERM

Lucke Multipurpose Forceps

12-3044	20 Ga



End-Gripping Forceps

With extended gripping area at the end of the tip

12-401	20 Ga
12-4012	23 Ga

12-304-23D 12-304-23DP 12-304-25D 12-304-25DP

ERM

Gripping Forceps

With a “crocodile” platform

12-304	20 Ga
12-304-23	23 Ga
12-304-25	25 Ga

MOST POPULAR

End-Gripping Forceps

With nail-shaped jaws

12-402	20 Ga	
12-402-23	23 Ga	**POPULAR**
12-4089	25 Ga	

Designed for the removal of epiretinal membranes. Blunt, atraumatic serration intensifies grasping capacity and prevents tissue shredding.

*Tips are sold separately!
Product design and/or features that do not influence its functionality and main parameters are subject to change

PICK FORCEPS*

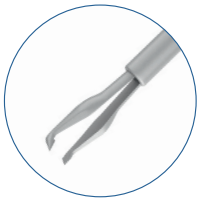
Pick Forceps

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

12-325	20 Ga	MOST POPULAR
12-325-23	23 Ga	POPULAR
12-3259	25 Ga	

Diamonized Angled Gripping Forceps

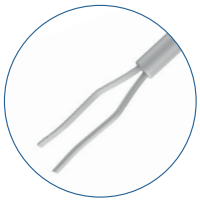
12-303 20 Ga



De Juan Pick Forceps

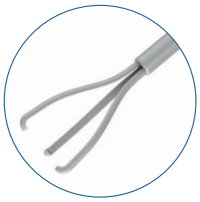
12-413 20 Ga

FOREIGN BODY REMOVAL FORCEPS*



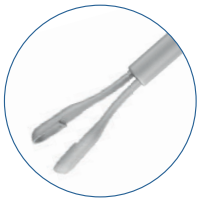
Avci Foreign Body Forceps

12-412*** 17 Ga



Spring Gripping Forceps

12-321**	20 Ga	
12-321-23***	23 Ga	POPULAR



Vitreoretinal Forceps

With cup jaws

12-313** 20 Ga

Stolyarenko Forceps

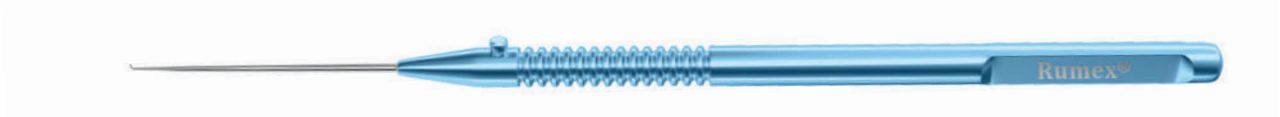
For large foreign bodies

12-335** 20 Ga POPULAR

*Tip only. Handles are sold separately.
** Compatible with Universal Handle 12-001T only
*** Compatible with Universal Handles 12-001T and 12-003T

Product design and/or features that do not influence its functionality and main parameters are subject to change

MEMBRANE INSTRUMENTS

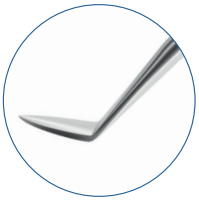


Delicate Membrane Pick

13-097-23	23 Ga	**MOST POPULAR**
13-0979	25 Ga	**POPULAR**
13-097-27	27 Ga	

Membrane Scratcher

13-092 20 Ga



Ogura PVD Spatula

13-1081-23 23 Ga

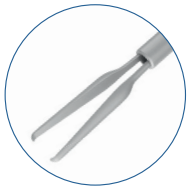
BRVO Knife

Designed for performing a lateral CRVO incision.

13-1091-23 23 Ga

23 GAUGE INSTRUMENTS*

ILM



12-410-23D 12-410-23DP

Eckardt End-Gripping Forceps

12-410-23 23 Ga **MOST POPULAR**

Tano Asymmetrical End-Gripping Forceps

12-411-23 23 Ga

12-420-23D

Asymmetrical End-Grasping Forceps

12-420-23 23 Ga **POPULAR**

Enhanced visualization!

Asymmetrical End-Grasping Forceps

Designed for myopic eyes.
Elongated tube, 30.00 mm

12-4202-23 23 Ga

Enhanced visualization!

End-Grasping Forceps

Expanded space between branches

12-4013 23 Ga **MOST POPULAR**

Enhanced visualization!

ERM

12-301-23D

Gripping Forceps

With a sandblasted platform

12-301-23 23 Ga **MOST POPULAR**

12-304-23D 12-304-23DP

Gripping Forceps

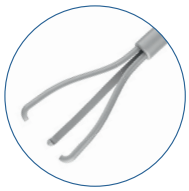
With a “crocodile” platform

12-304-23 23 Ga **MOST POPULAR**

Vertical Scissors

70°
Sharp tips

12-202-23 23 Ga **MOST POPULAR**



Spring Gripping Forceps

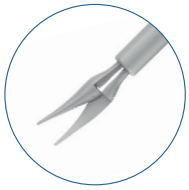
12-321-23 23 Ga **POPULAR**

12-325-23D

Pick Forceps

12-325-23 23 Ga **MOST POPULAR**

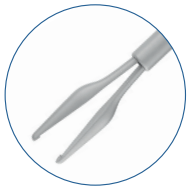
12-209-23D 12-209-23DP



Curved Subretinal Scissors

Curvature radius 12.00 mm

12-209-23 23 Ga **MOST POPULAR**



End-Gripping Forceps

With extended gripping area at the end of the tip

12-4012 23 Ga

End-Gripping Forceps

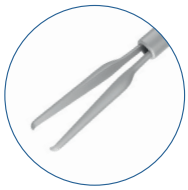
With nail-shaped jaws

12-402-23 23 Ga **POPULAR**

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change

25 GAUGE INSTRUMENTS*

ILM



12-410-25D 12-410-25DP

Eckardt End-Gripping Forceps

12-410-25 25 Ga **MOST POPULAR**

Tano Asymmetrical End-Gripping Forceps

12-411-25 25 Ga

12-420-25D

Asymmetrical End-Grasping Forceps

12-420-25 25 Ga **POPULAR**

Enhanced visualization!

ERM

12-301-25D

Gripping Forceps

With a sandblasted platform

12-3019 25 Ga

12-304-25D 12-304-25DP

Gripping Forceps

With a “crocodile” platform

12-304-25 25 Ga **MOST POPULAR**

12-202-25DP

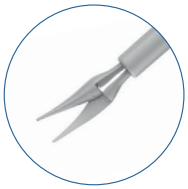
Vertical Scissors

45°
Sharp tips

12-2029 25 Ga

Pick Forceps

12-3259 25 Ga **POPULAR**



12-209-25D 12-209-25DP

Curved Subretinal Scissors

Curvature radius 12 mm

12-2099 25 Ga **MOST POPULAR**

End-Gripping Forceps

With nail-shaped jaws

12-4089 25 Ga

27 GAUGE INSTRUMENTS*

ILM

12-410-27DP

Eckardt End-Gripping Forceps

12-410-27 27 Ga

Asymmetrical End-Grasping Forceps

12-420-27 27 Ga

Enhanced visualization!

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change

ONE-PIECE VITREORETINAL INSTRUMENTS WITH FLUSHING SYSTEM

NEW

The tip can be easily cleaned without disassembling.
Special flushing cannula is provided for free!

ILM

Eckardt End-Gripping Forceps

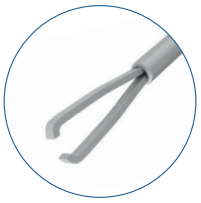
12-410-23H 23 Ga
12-410-25H 25 Ga

Asymmetrical End-Grasping Forceps

12-420-23H 23 Ga
12-420-25H 25 Ga

Tano Asymmetrical End-Gripping Forceps

12-411-23H 23 Ga
12-411-25H 25 Ga



End-Grasping Forceps

Expanded space between branches

12-4013H 23 Ga
12-4013-25H 25 Ga

Enhanced visualization!

ERM

Gripping Forceps

With a “crocodile” platform

12-304-23H 23 Ga
12-304-25H 25 Ga

Gripping Forceps

With a sandblasted platform

12-301-23H 23 Ga
12-301-25H 25 Ga

Pick Forceps

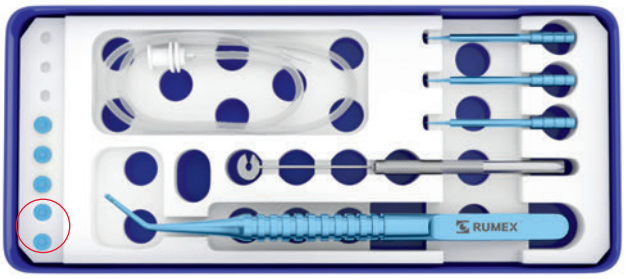
12-325-23H 23 Ga
12-325-25H 25 Ga

Curved Subretinal Scissors

Curvature radius 12.00 mm

12-209-23H 23 Ga
12-209-25H 25 Ga

REUSABLE TWO STEP TROCAR SYSTEMS

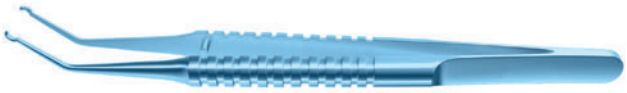


2 extra cannulas

Reusable Trocar System with Closure Valves

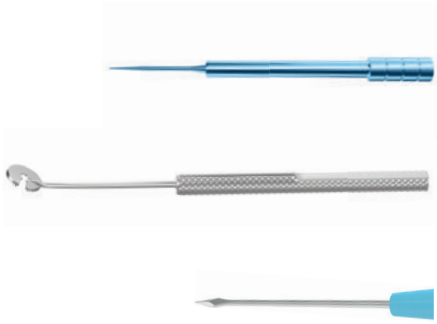
Package includes:
- Trocar cannula with closure valves – 5 pcs
- Loading forceps – 1 pc
- Fixation plate – 1 pc
- Blunt cannula inserter – 3 pcs
- Universal infusion line – 1 pc
- Sterilization tray – 1 pc

12-5173-23 23 Ga
12-5173-25 25 Ga



Loading Forceps

12-5186 23/25 Ga



Instrument Cannula Inserter

12-5187 23 Ga

Fixation Plate

12-5188 23/25 Ga

MVR Knives

STERILE 2 6 PER BOX

Multifacet blade

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

Scleral Plugs Forceps

Cross-action mechanism reduces hand fatigue.

12-5086S 20 Ga

Watzke Sleeve Spreading Forceps

Used to stretch the silicone sleeve placed around the eyeball.
Serrated tips aid in gripping the sleeve and allow for adjustable traction.

4-2201T

DISPOSABLE ONE-PIECE STAINLESS STEEL INSTRUMENTS*

STERILE 2 6 PER BOX

All stainless steel disposable instruments in 23 and 25 Ga are designed for precise manipulations during posterior segment surgeries.

The instruments are supplied sterile in a box of 6.

ILM

Eckardt End-Gripping Forceps

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

ERM

Gripping Forceps

With a “crocodile” platform

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

ILM

Asymmetrical End-Grasping Forceps

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

Pick Forceps

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

ERM

Gripping Forceps

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

Curved Scissors

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

*Not available in the US

Product design and/or features that do not influence its functionality and main parameters are subject to change

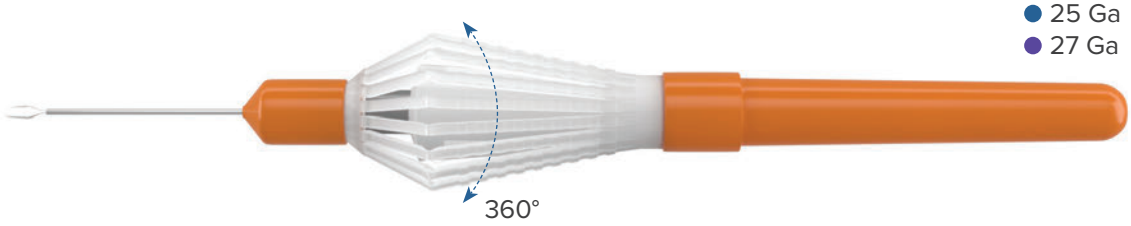
DISPOSABLE INSTRUMENTS WITH PLASTIC HANDLE*

STERILE 2 6 PER BOX

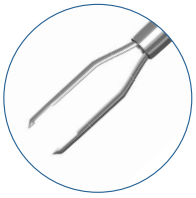
NEW

360-degree handle design incorporates a unique rotatability, convenience and actuation.
The instrument's weight is less than 8 grams.
Lightweight plastic ergonomic handle especially valuable during hours-long surgeries.

- 23 Ga
- 25 Ga
- 27 Ga



ILM



Eckardt End-Gripping Forceps

12-410-23DP	23 Ga
12-410-25DP	25 Ga
12-410-27DP	27 Ga

Curved Scissors

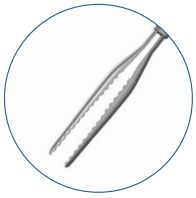
12-209-23DP	23 Ga
12-209-25DP	25 Ga
12-209-27DP	27 Ga

Vertical Scissors

45°

12-202-23DP	23 Ga
12-202-25DP	25 Ga

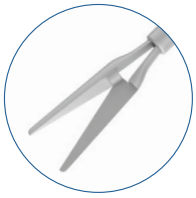
ERM



Gripping Forceps

With a "crocodile" platform

12-304-23DP	23 Ga
12-304-25DP	25 Ga
12-304-27DP	27 Ga



Straight Scissors

12-211-23DP	23 Ga
12-211-25DP	25 Ga
12-211-27DP	27 Ga

DISPOSABLE DIAMOND DUSTED RETRACTABLE ILM ELEVATORS**

STERILE 2 5 PER BOX

NEW

Designed to consistently create a precise edge to facilitate the ILM removal with forceps.

Diamond dusted soft silicone tip provides an extreme grip

Retractable version helps to adjust the length of the tip and allows for easy insertion through the trocar cannula

12-7523	23 Ga
12-7525	25 Ga

*Not available in the US and Europe
** Not available in Europe
Product design and/or features that do not influence its functionality and main parameters are subject to change

DISPOSABLE ONE STEP TROCAR SYSTEMS*

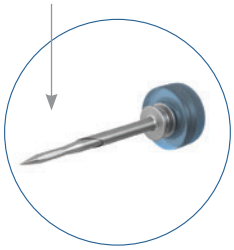
STERILE 2 6 PER BOX

Each set includes:
- Trocar knife with preloaded trocar cannula – 3 pcs
- Self-sealing trocar cannula (preloaded) – 3 pcs
- Universal infusion line – 1 pc

12-5229	23 Ga	●
12-5244	25 Ga	●
12-5227	27 Ga	●

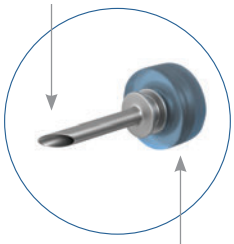
Sharp MVR Blade

Helps create a smooth incision and promotes low-pressure insertion and superior sealing



Trocar Cannula

Innovative sharp design of the cannula contributes to unstoppable smooth trocar insertion.



Silicone Closure Valves

Removable self-sealing valves ensure maintenance of the desired intraocular pressure (IOP) throughout the case and eliminate the need for plugs.

Trocar Cannula Inserter

The tip of the plastic handle serves as a caliper/ scleral marker (2 dimensions: 3 and 4 mm).

Universal Infusion Line for BSS

*Not available in Europe

Product design and/or features that do not influence its functionality and main parameters are subject to change

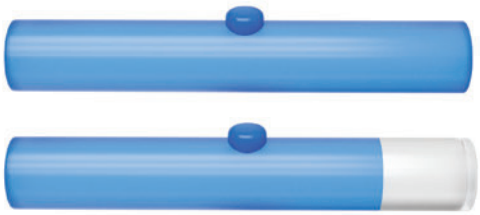
BACKFLUSH HANDLES AND RESERVOIRS

Reusable Backflush Handle

Titanium

MOST POPULAR

12-6000	Active aspiration
12-6010	Passive aspiration



STERILE 2 5 PER BOX

Disposable Replacement Reservoir for Backflush Handle*

12-5159	Active aspiration
12-5147	Passive aspiration

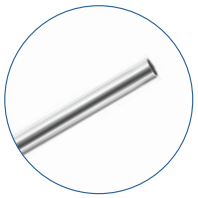
DISPOSABLE BACKFLUSH INSTRUMENTS*

STERILE 2 6 PER BOX

NEW

The tool combines handle with soft, brush or blunt tip cannulas into one instrument.
The set comes with two connectors for active and passive aspiration.
Used for intraocular fluids and debris aspiration during vitreoretinal surgery.

- 23 Ga
- 25 Ga
- 27 Ga



with **Blunt Tip**

12-5164H	23 Ga x 34 mm
12-5156H	25 Ga x 34 mm
12-5492H	27 Ga x 34 mm

with **Silicone Brush Tip**

12-5162H	23 Ga x 34 mm
12-5160H	25 Ga x 34 mm
12-5167H	27 Ga x 34 mm

with **Silicone Soft Tip**

12-5161H	23 Ga x 34 mm
12-5152H	25 Ga x 34 mm
12-5491H	27 Ga x 34 mm

*Not available in Europe

Product design and/or features that do not influence its functionality and main parameters are subject to change

VITREORETINAL CANNULAS

Disposable Backflush Cannulas*

STERILE 2 5 PER BOX

Designed for efficient and safe manipulations in the posterior segment. Used with the backflush handle.

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.

12-5164	23 Ga x 34 mm
12-5156	25 Ga x 34 mm
12-5492	27 Ga x 34 mm

Soft Tip Cannulas

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

12-5161	23 Ga x 34 mm
12-5152	25 Ga x 34 mm
12-5491	27 Ga x 34 mm

Brush Tip Cannulas

The soft silicone brush tip cannula designed for atraumatic brushing of retina.

12-5162	23 Ga x 34 mm
12-5160	25 Ga x 34 mm
12-5167	27 Ga x 34 mm

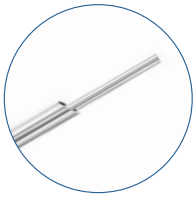
STERILE 2 5 PER BOX

Dual Bore Cannulas*

Dual Bore PFC Cannulas

Simultaneous infusion of heavy liquids and aspiration of intraocular fluids.

12-5203	23 Ga x 33 mm
12-5205	25 Ga x 33 mm



*Not available in Europe

Product design and/or features that do not influence its functionality and main parameters are subject to change

SILICONE OIL

Smartsil 1000/5000*

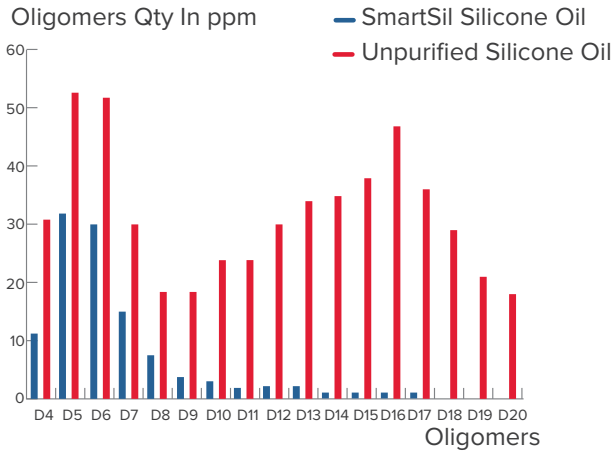
Purified Silicone Oil for Vitreoretinal Surgery

- Maximum interfacial tension and minimum interactions between tissues, cells and endo-tamponades media
- Optimal combination of specific gravity, refractive index and surface tension
- Different viscosity indexes enable easy injection (1000 cSt) and stable temporary tamponade (5000 cSt)
- Vacuum molecular distillation solvent-free purification - no risk of emulsification

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
Shelf Life	3 years

GC



Silicone Oil Infusion System is sold separately

Purification

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

Indication

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

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

CE 2803

*Not available in the US
*To be used with Silicone Oil Infusion System
Product design and/or features that do not influence its functionality and main parameters are subject to change

SILICONE OIL INFUSION SYSTEMS

Silicone Oil Infusion Systems are used to connect RUMEX silicone oil syringe to the vitreoretinal surgical equipment.

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
Oertli® Orbit™, Faros™, OS3™ Optikon® R-Evolution®	12-RTUB-4

Disposable Viscous Fluid Injection Cannulas*

Allow injection of viscous fluids such as silicone oil through a 23 Ga or 25 Ga trocar cannula

12-5248	23 Ga x 4 mm
12-5258	25 Ga x 4 mm

Infusion Cannula

Reusable Silicone Oil Infusion Cannula

Self-retaining hub of 6.00 mm

12-026	20 Ga

*Not available in Europe

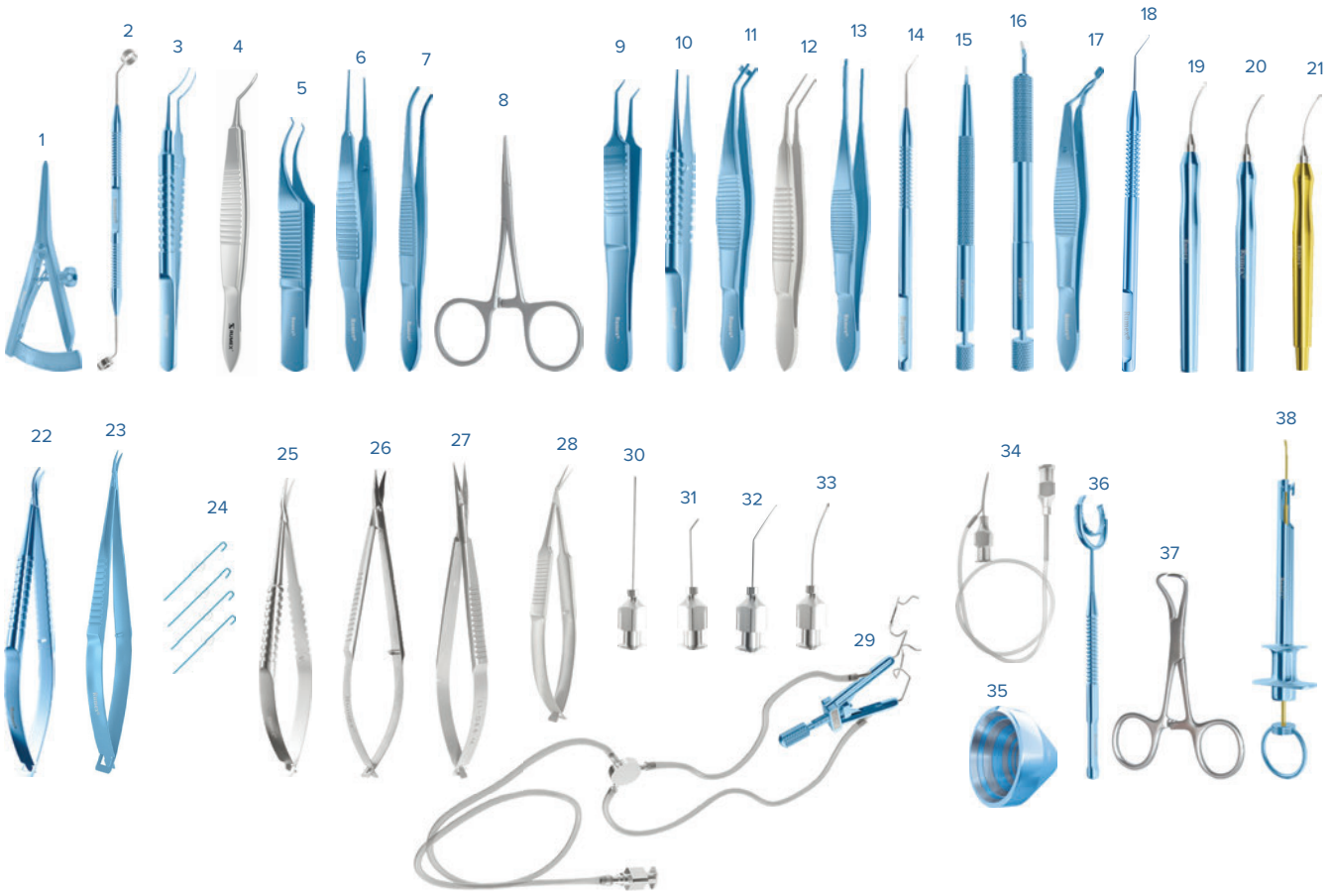
Product design and/or features that do not influence its functionality and main parameters are subject to change

MOST POPULAR	Best-selling item
POPULAR	SKU preferred by the majority of customers
NEW	Recently introduced into the product range of RUMEX International Co.
COMING SOON	This item will be available in RUMEX range soon
2	Disposable instruments
2	Available in a single-use edition
SS	Available in Stainless Steel
SET p.100	Featured instrument in the set on page 100
DON'T FORGET TO BUY	Frequently bought together
6 PER BOX	Quantity in the box

Product design and/or features that do not influence its functionality and main parameters are subject to change

FEATURED SETS

PHACOEMULSIFICATION SET



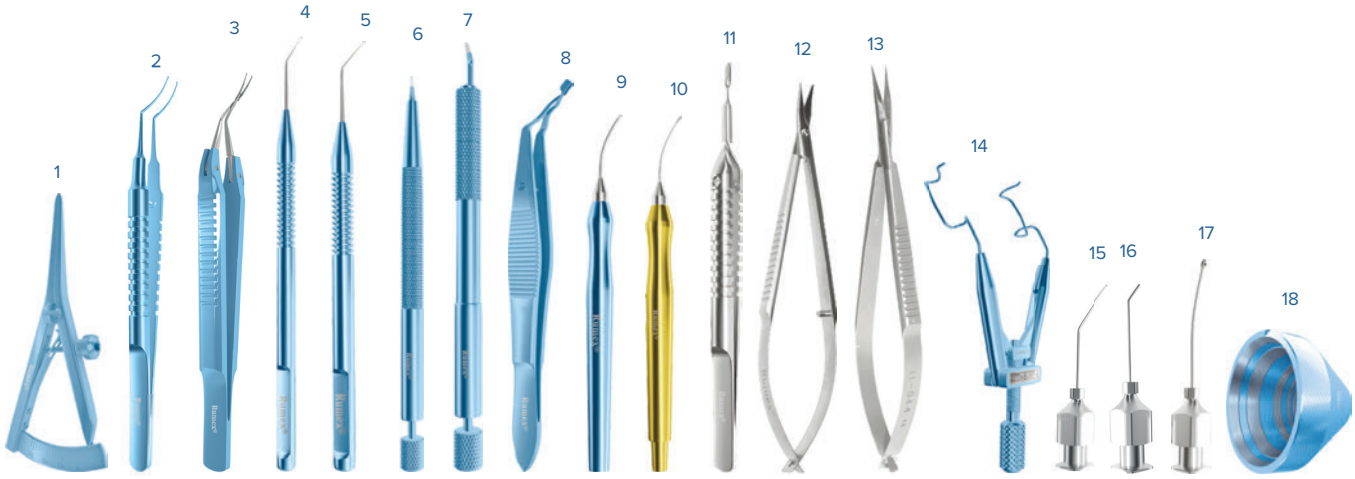
Reference	Key	Description
2-010T	1	Castroviejo Caliper
3-040	2	Whipple Capsulorhexis Centration Marker
4-03315T	3	Utrata Capsulorhexis Forceps, Cystotome Tips, with Scale
4-032S	4	Small-incision Capsulorhexis Forceps with Limiter
4-050T	5	Colibri Corneal Forceps
4-0600T	6	Castroviejo Suturing Forceps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

*not shown

Reference	Key	Description
7-081	20	Irrigation Handpiece for Bimanual Technique, 21 Ga
7-0821	21	Aspiration Handpiece for Bimanual Technique, 22 Ga
8-031T	22	Barraquer Needle Holder, Standard Jaws, without Lock
8-096T	23	Castroviejo Needle Holder, Delicate Jaws, without Lock
10-5016-1	24	Disposable Iris Retractors, 1 Pack of 4 pcs
11-034S	25	Universal Corneal Scissors
11-040S	26	Westcott Tenotomy Scissors
11-044S	27	Westcott Stitch Scissors
11-0581S	28	Gills-Vannas Capsulotomy Scissors
14-080A	29	Lieberman Temporal Speculum with Aspiration
15-025	30	Kelman Sharp Irrigating Cystotome, 25 Ga
15-051-27	31	Rycroft Anterior Chamber Cannula, 27 Ga
15-071-25	32	McIntyre Nucleus Hydrodissector, Spatulated, 25 Ga
15-170	33	Microincisional Capsule Polisher Cannula, Disc-Shaped Tip, 23 Ga
15-129-0.3	34	Simcoe I/A Cannula, 23/23 Ga
16-020T	35	Maloney Intraoperative Keratometer
16-0341T	36	Fine Thornton Fixation Ring with Swivel
16-081S	37	Towel Forceps
16-2806	38	IOL Injector for A, B, C Cartridges
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large

Product design and/or features that do not influence its functionality and main parameters are subject to change

PHACO PRECHOP SET

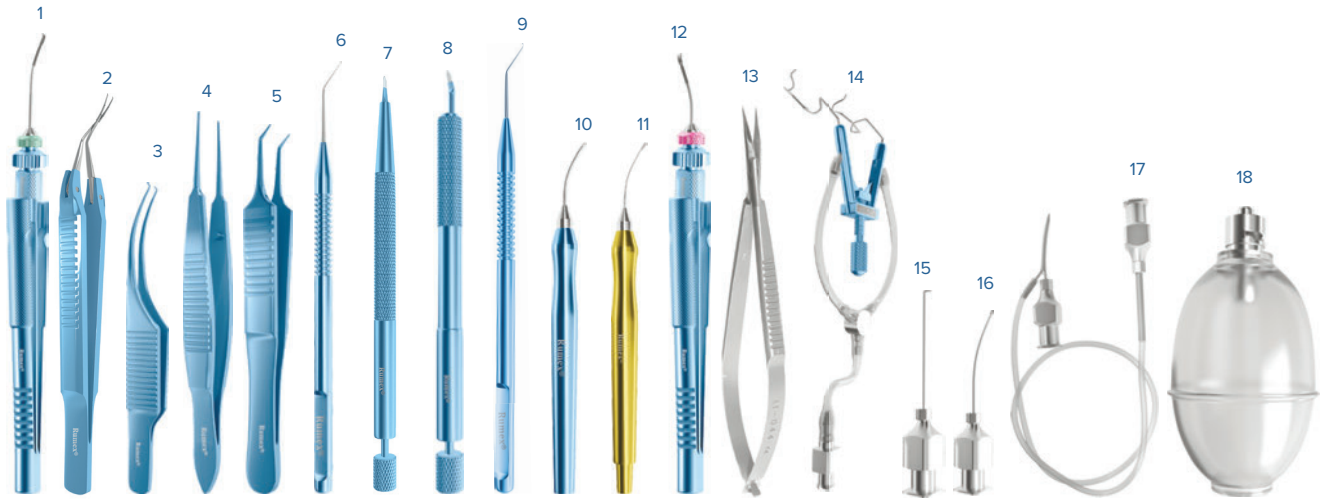


Reference	Key	Description
2-010T	1	Castroviejo Caliper
4-03315T	2	Utrata Capsulorhexis Forceps with Scale
4-0395	3	Capsulorhexis Forceps with Scale, Cross-Action
5-030	4	Kuglen Hook
5-032	5	Sinskey Hook
6-10/6-053	6	Diamond Knife, Trifacet Blade, 1.00 mm
6-20/6-104	7	Diamond Knife, Self-Diving Trapezoid Blade, 2.30/2.80 mm
7-025T	8	Ernest Nucleus Cracker
7-081	9	Irrigation Handpiece for Bimanual Technique, 21 Ga
7-0821	10	Aspiration Handpiece for Bimanual Technique, 22 Ga

Reference	Key	Description
7-1161S	11	Combo Prechopper (Sharp & Blunt Blades)
11-040S	12	Westcott Tenotomy Scissors
11-044S	13	Westcott Stitch Scissors
14-040T	14	Lieberman Temporal Speculum
15-071-25	15	McIntyre Nucleus Hydrodissector, 25 Ga
15-051-27	16	Rycroft Anterior Chamber Cannula, 27 Ga
15-159-25	17	Jensen Capsule Polisher, Curved, Olive Tip, 25 Ga
16-020T	18	Maloney Intraoperative Keratometer, Titanium
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large

*not shown

BIMANUAL MICROPHACO (MICS)



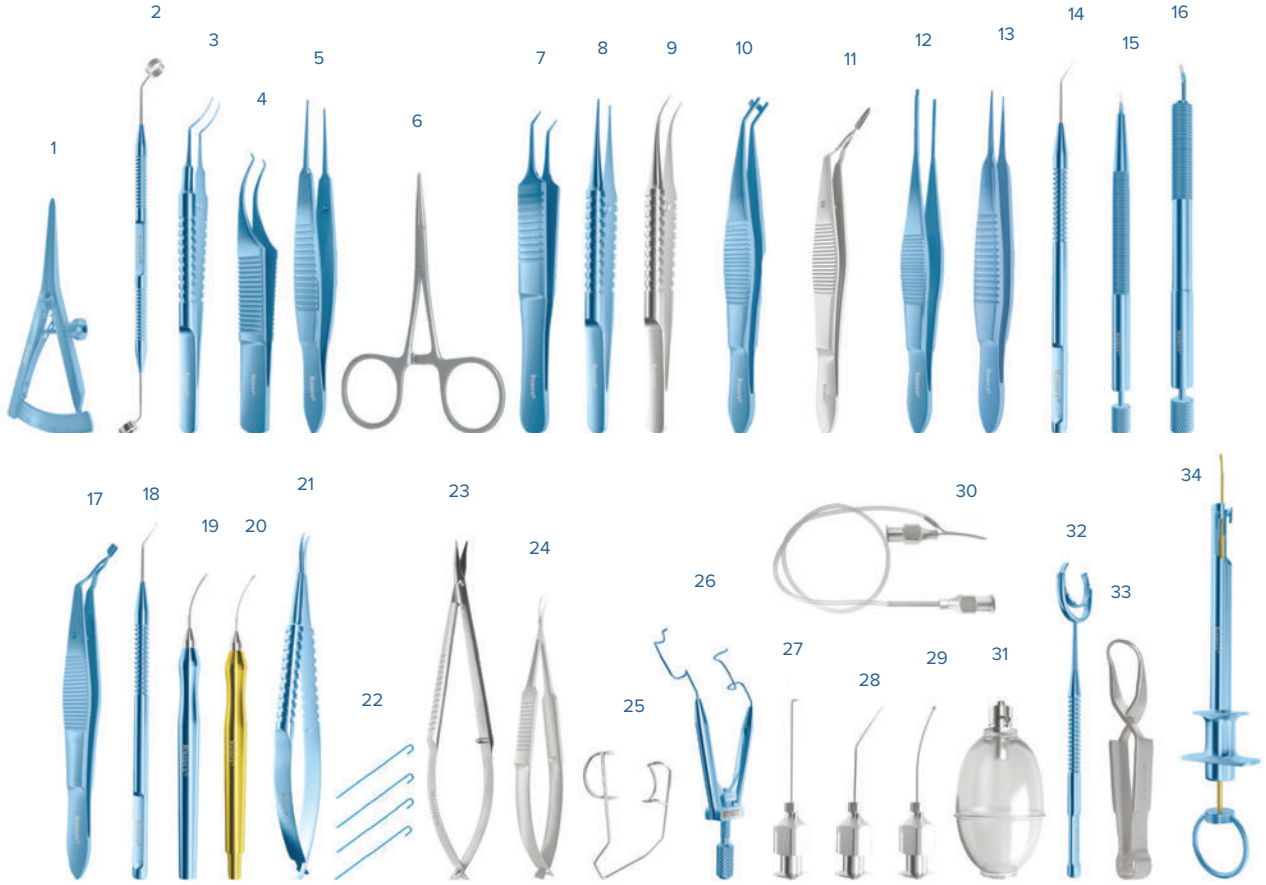
Reference	Key	Description
4-03771/ 12-003T	1	Kawai Capsulorhexis Forceps, Tapered 23/25 Ga shaft/ Universal Squeeze Handle
4-0395	2	Capsulorhexis Forceps with Scale, Cross-Action
4-0501T	3	Colibri Corneal Forceps, 0.12 mm 1x2 Teeth
4-0600T	4	Castroviejo Suturing Forceps, 0.12 mm 1x2 Teeth
4-174T	5	McPherson Angled Tying Forceps
5-032	6	Sinskey Hook
5-034*		Bechert Nucleus Rotator
6-10/6-053	7	Diamond Knife Trifacet Blade, 1.00 mm
6-20/6-144	8	Diamond Knife, Self-Diving Trapeziod Blade, 1.80/2.00 mm
7-063 (7-064*)	9	Nagahara Phaco Chopper RHD (LHD*)

Reference	Key	Description
7-081	10	Irrigation Handpiece for Bimanual Technique, 21 Ga
7-0821	11	Aspiration Handpiece for Bimanual Technique, 22 Ga
11-03741	12	Side Port Capsulotomy Scissors, Left, 20 Ga
11-03751* /12-003T		Side Port Capsulotomy Scissors, Right, 20 Ga /Universal Squeeze Handle
11-044S	13	Westcott Stitch Scissors
14-080A	14	Lieberman Temporal Speculum with Aspiration
15-0681	15	Chang Nucleus Hydrodissector, 27 Ga
15-170	16	Microincisional Capsule Polisher Cannula, Disc-Shaped Tip, 23 Ga
15-129-0.3	17	Simcoe I/A Cannula, 23/23 Ga
15-301/303	18	Silicone Bulb with Adapter
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large

*not shown

Product design and/or features that do not influence its functionality and main parameters are subject to change

EXTRA CAPSULAR CATARACT EXTRACTION (ECCE) SET

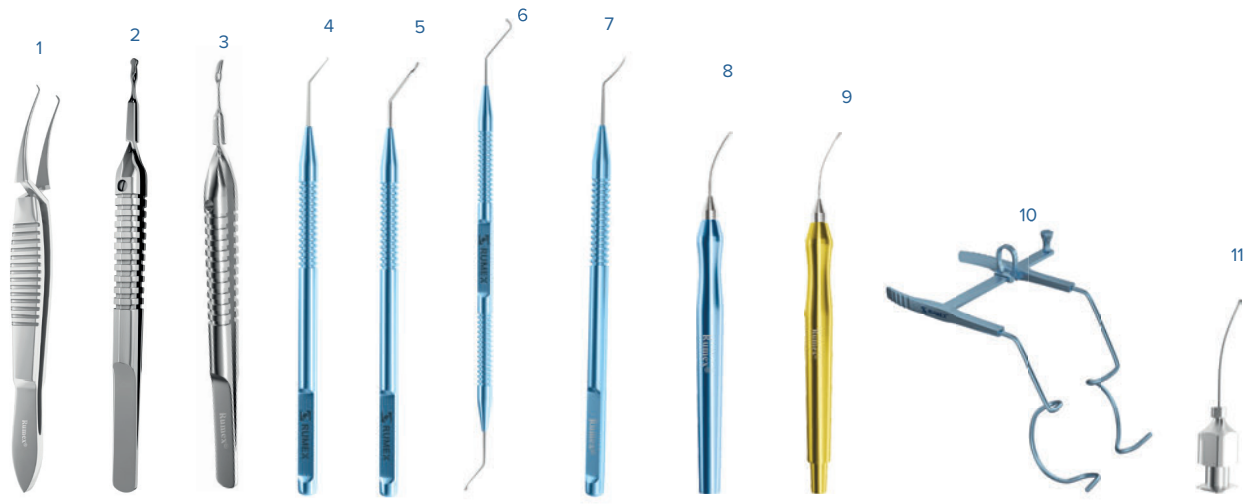


Reference	Key	Description
2-010T	1	Castroviejo Caliper
3-040	2	Whipple Capsulorhexis Centration Marker
4-03315T	3	Utrata Capsulorhexis Forceps with Ruler
4-050T	4	Colibri Corneal Forceps, 0.12 mm 1×2 Teeth
4-0600T	5	Castroviejo Suturing Forceps, 0.12 mm 1×2 Teeth
4-120S	6	Hartman Mosquito Forceps, Straight
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	McDonald Style Inserting Forceps
4-2141T	12	Cartridge Loading Forceps
4-2301T	13	Fechtner Conjunctiva Forceps
5-030	14	Kuglen Iris Hook
5-0331*		Lester Lens Manipulator
5-034*		Bechert Nucleus Rotator
6-10/6-053	15	Diamond Knife, Trifacet Blade, 1.00 mm
6-20/6-104	16	Diamond Knife, 2.30/2.80 mm, Self-Diving Trapezoid Blade

*not shown

Reference	Key	Description
7-025T	17	Ernest Nucleus Cracker
7-065	18	Rosen Phaco Chopper, Universal
7-081-23	19	Irrigation Handpiece for Bimanual Technique, 23 Ga
7-0821-23	20	Aspiration Handpiece for Bimanual Technique, 23 Ga
8-041T	21	Barraquer Needle Holder, Fine Jaws, without Lock
10-5016-1	22	Disposable Iris Retractors (1 Pack of 4 pcs)
11-040S	23	Westcott Tenotomy Scissors
11-058S	24	Gills-Vannas Capsulotomy Scissors
14-022S	25	Barraquer Wire Speculum, Adult Size
14-040TK	26	Lieberman Temporal Speculum, Adult Size
15-0681	27	Chang Nucleus Hydrodissector, 27 Ga
15-071-25	28	McIntyre Nucleus Hydrodissector, Spatulated, 25 Ga
15-170	29	Microincisional Capsule Polisher Cannula, Disc-Shaped Tip, 23 Ga
15-129-0.3	30	Simcoe I/A Cannula, 23/23 Ga
15-301/303	31	Silicone Bulb with Adapter
16-0341T	32	Fine Thornton Fixation Ring with Swivel
16-080S	33	Towel Clamp
16-2806	34	IOL Injector for A, B, C Cartridges
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large

FEMTOSECOND CATARACT SET

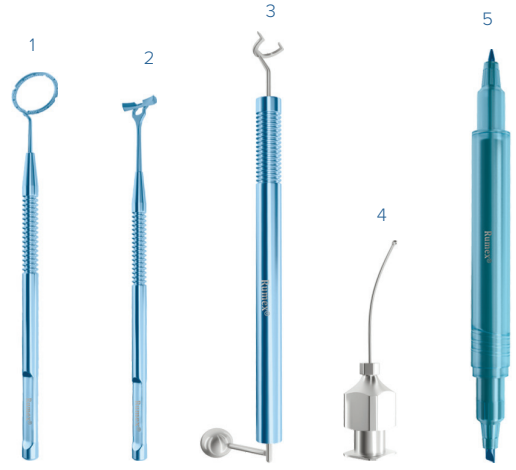


Reference	Key	Description
4-0582S	1	Forceps for Femtosecond Laser Cataract Procedure
7-1166S	2	Yeoh Femtosecond Prechopper
7-1167S	3	Crozafon Prechopper
7-145	4	Nagy Femtosecond Chopper
7-146	5	Donnenfeld Femto Splitter
13-181	6	Uy Laser Lens Fragmentation Combo Manipulator
20-204*		Spatula for Femtosecond Laser Procedure
20-2041	7	Donnenfeld Femto Spatula

*not shown

Reference	Key	Description
7-081-23	8	Irrigation Handpiece for Bimanual Technique, 23 Ga
7-0821-23	9	Aspiration Handpiece for Bimanual Technique, 23 Ga
14-052T	10	Slade-Murdoch Speculum
15-170	11	Microincisional Capsule Polisher Cannula, Disc-Shaped Tip, 23 Ga
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large

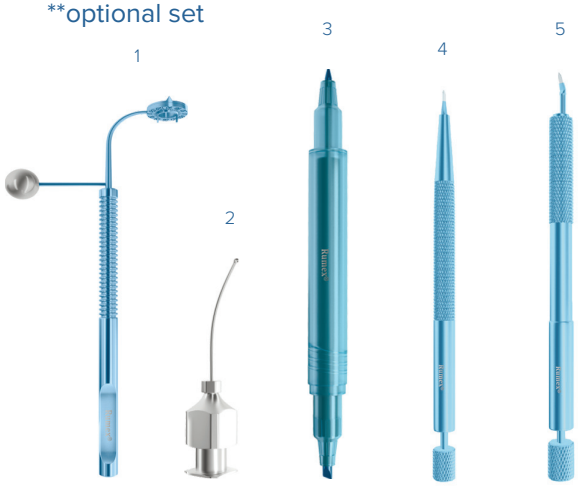
TORIC IOL IMPLANTATION SET



Reference	Key	Description
2-034T	1	Grooved Fine Mendez Degree
3-091T	2	Bores Axis Marker
3-193	3	Whitehouse Gravity Axis Marker
15-170	4	Microincisional Capsule Polisher Cannula, Disc-Shaped Tip, 23 Ga
20-050	5	Disposable Marking Pen, Double-Ended, 10 per Box

*not shown

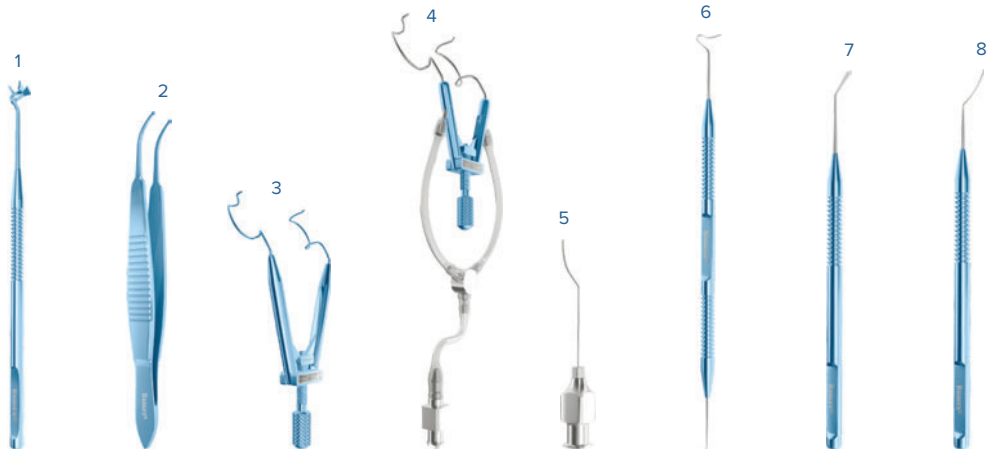
**optional set



Reference	Key	Description
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, Double-Ended, 10 per Box
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
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large

Product design and/or features that do not influence its functionality and main parameters are subject to change

FEMTOLASIK SET

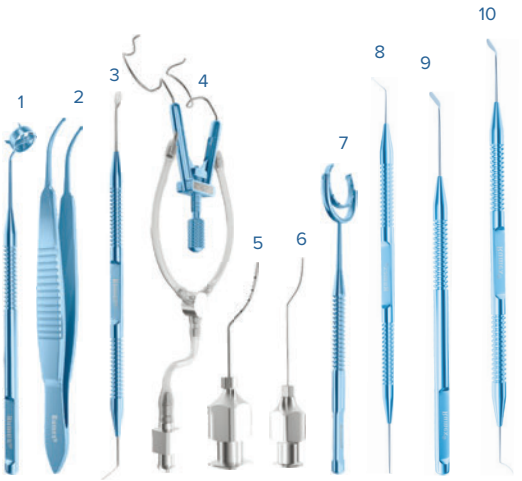


Reference	Key	Description
3-176T	1	LASIK Flap Marker
4-2206T	2	LASIK Flap Forceps
14-040TL	3	Lieberman Temporal Speculum for LASIK
14-080LA	4	Lieberman Temporal Speculum with Aspiration for LASIK
15-379-25	5	Buratto LASIK Irrigation Cannula, 25 Ga

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*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large

*not shown

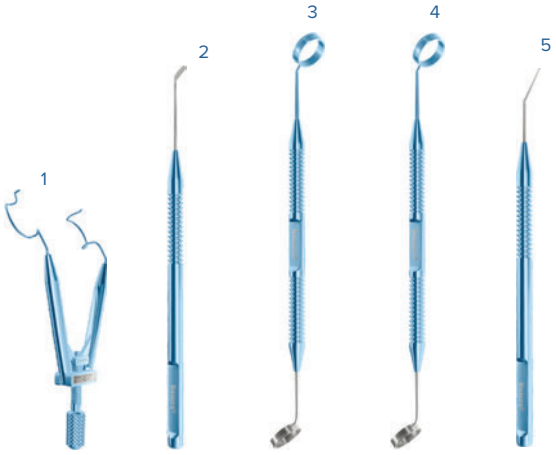
LASIK SET



Reference	Key	Description
3-174T	1	Lavery LASIK Marker
4-2206T	2	LASIK Flap Forceps
13-110	3	Paton Double-Ended Spatula and Spoon
14-080LA	4	Lieberman Temporal Speculum with Aspiration for LASIK
15-373-25	5	Banaji LASIK Irrigation Cannula, 25 Ga
15-376*		Slade LASIK Cannula, 26 Ga
15-379-25	6	Buratto LASIK Irrigation Cannula, 25 Ga
16-0341T	7	Fine Thornton Fixation Ring with Swivel
20-013	8	LASIK Spatula and Flap Retreatment Instrument
20-001	9	Hockey Epithelium Removal Knife
20-002	10	Lindstrom LASIK / PRK Spatula and Epithelium Removal Board
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large

*not shown

LASEK SET



Reference	Key	Description
14-040TL	1	Lieberman Temporal Speculum for LASIK
20-0011	2	LASEK Knife
20-121	3	LASEK 8.00 mm Trephine / 8.50 mm Funnel
20-122	4	LASEK 9.00 mm Trephine / 9.50 mm Funnel
20-131	5	LASEK Epithelial Micro Hoe
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large

Product design and/or features that do not influence its functionality and main parameters are subject to change

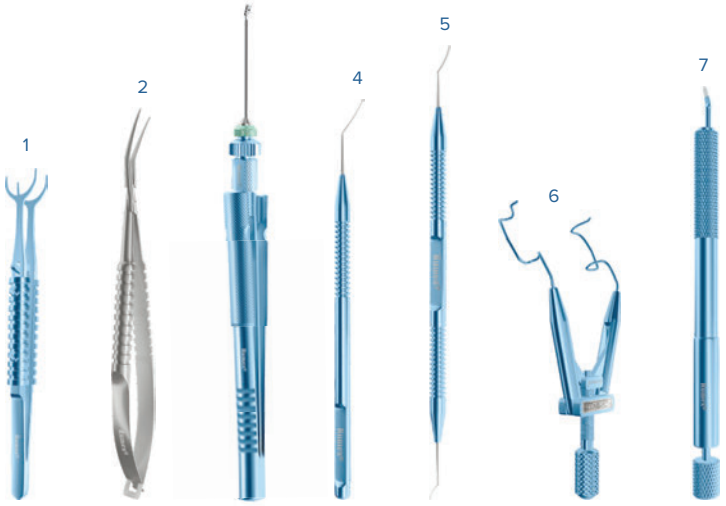
LRI SET

Reference	Key	Description
2-034T	1	Grooved Fine Mendez Degree Gauge with 4 Grooves
3-091T	2	Bores Axis Marker
3-1932	3	Whitehouse Gravity Axis Marker with Reduced Diameters
6-322/6-0531	4	Universal Three-Step Diamond Knife for Cataract and LRI Surgery

*not shown

Reference	Key	Description
3-1801	1	LRI Marker, 40-60-80°
3-1932	2	Whitehouse Gravity Axis Marker with Reduced Diameters
6-322/ 6-0531	3	Universal Three-Step Diamond Knife for Cataract and LRI Surgery
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large

ICL SET



Reference	Key	Description
4-08011T	1	Nevyas-Wallace Fixation Forceps, 0.12 mm 1×2 Teeth
4-20111S	2	ICL™ Cartridge Loading Forceps
4-21432/ 12-003T	3	Zaldivar - Kraff ICL Pacman Forceps, 20 Ga, Tip Only/ Universal Squeeze Handle
13-141	4	Pallikaris ICL™ Manipulator

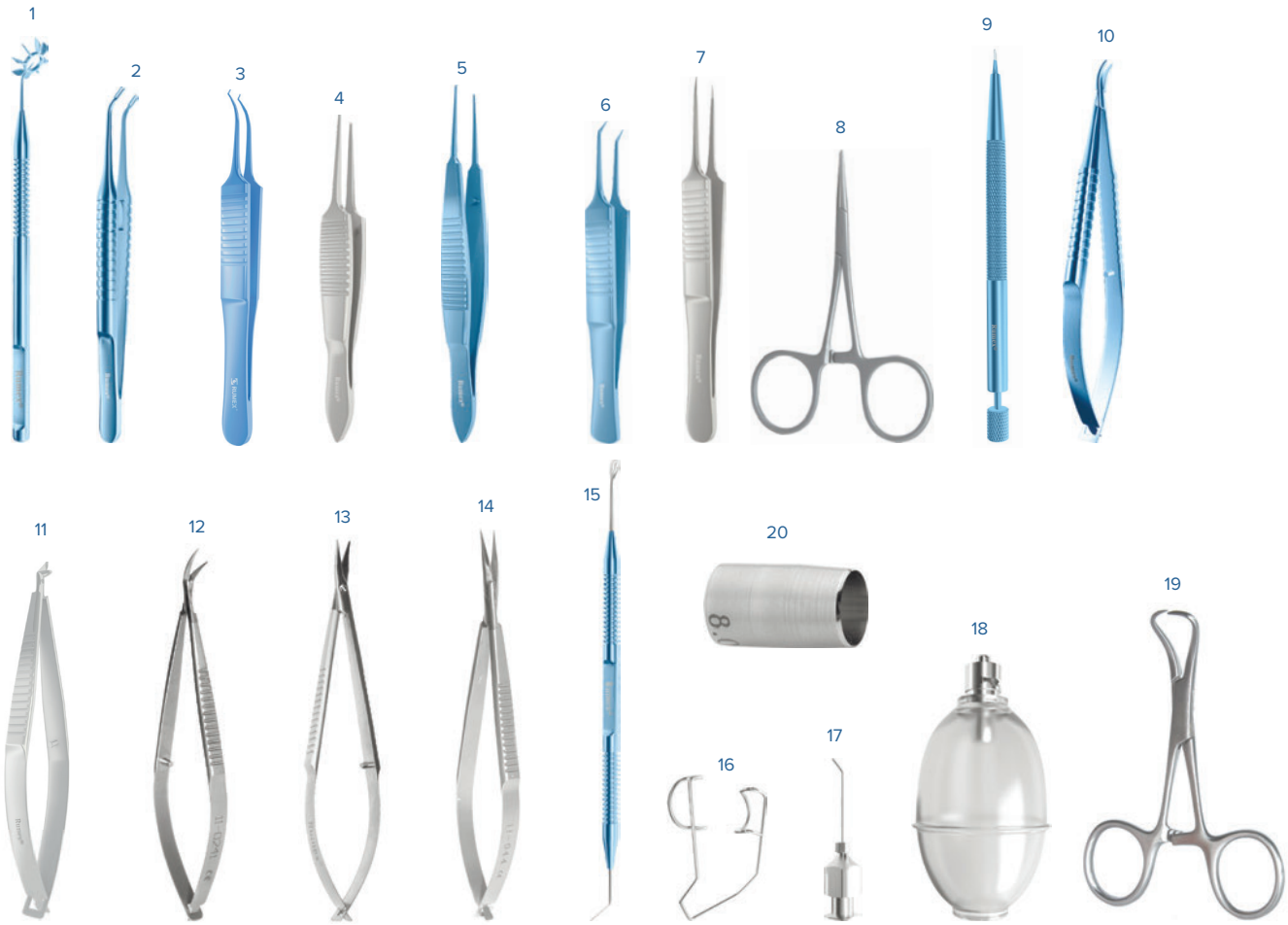
*not shown

Reference	Key	Description
13-142	5	Zaldivar ICL™ Manipulator
14-040T	6	Lieberman Temporal Speculum
6-20/6-0551	7	Zaldivar Universal ICL™ Knife, 0.55/1.00 mm
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large

Product design and/or features that do not influence its functionality and main parameters are subject to change

FEATURED SETS

CORNEAL TRANSPLANTATION SET



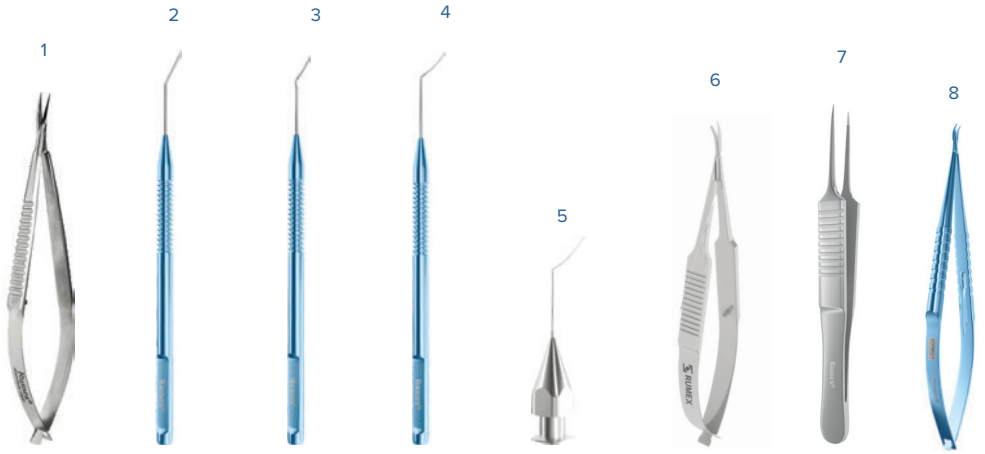
Reference	Key	Description
3-140T	1	Corneal Transplant Marker
4-0814T	2	Pollack Corneal Transplantation Fixation Forceps
4-0541T	3	Castroviejo Colibri Corneal Forceps
4-0607S	4	Bishop-Harmon Suturing Forceps
4-0600T	5	Castroviejo Suturing Forceps, 0.12 mm 1x2 Teeth
4-0601T*		Castroviejo Suturing Forceps, 0.30 mm 1x2 Teeth
4-090T	6	Kelman-McPherson Tying Forceps
4-178S	7	McPherson Straight Tying Forceps
4-120S	8	Hartman Mosquito Forceps
6-10/6-053	9	Diamond Knife, Trifacet Blade, 1.00 mm
6-20/6-107*		Diamond Knife, Trapezoid Self-Diving Blade, 2.00/2.30 mm
8-031T	10	Barraquer Needle Holder, Standard Jaws, without Lock
8-045T*		Barraquer Needle Holder, Extra Fine Jaws, without Lock

*not shown

Reference	Key	Description
11-020S	11	Katzin Corneal Transplant Scissors, Left
11-0201S*		Katzin Corneal Transplant Scissors, Right
11-024S	12	Castroviejo Corneal Section Scissors, Right
11-0241S*		Castroviejo Corneal Section Scissors, Left
11-040S	13	Westcott Tenotomy Scissors
11-044S	14	Westcott Stitch Scissors
13-110	15	Paton Double-Ended Spatula and Spoon
14-022S	16	Barraquer Wire Speculum, Adult Size
15-051-25	17	Rycroft Anterior Chamber Cannula, 25 Ga
15-301/303	18	Silicone Bulb with Adapter
16-081S	19	Towel Forceps
16-0305*		Corneal Trephine Blades, 7.50 mm
16-0307	20	Corneal Trephine Blades, 8.00 mm
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large

Product design and/or features that do not influence its functionality and main parameters are subject to change

DALK SET

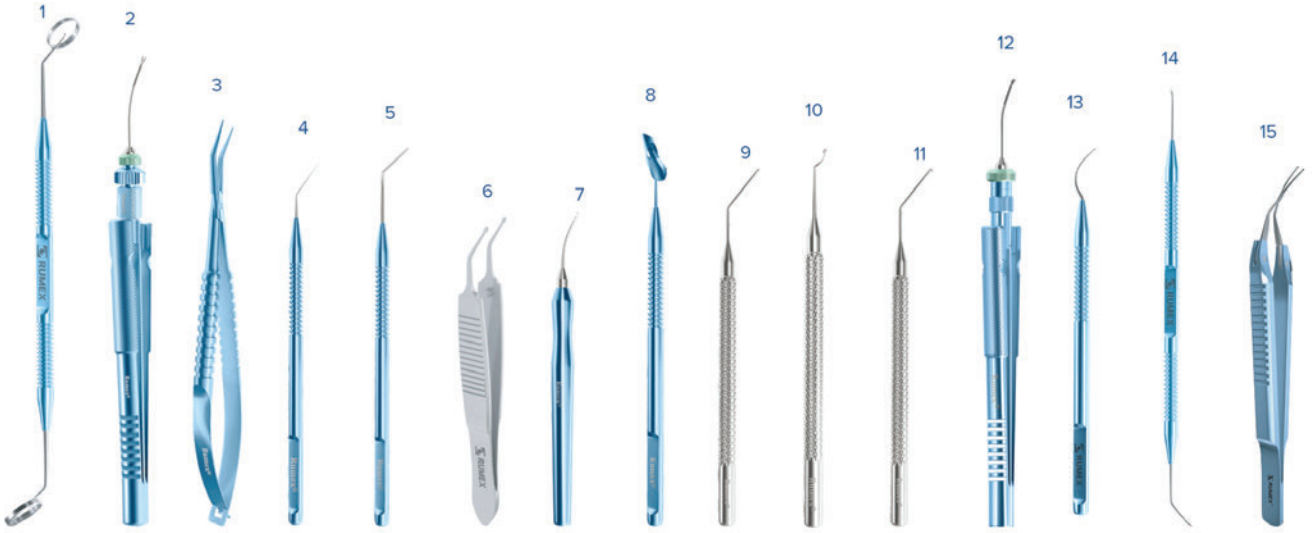


Reference	Key	Description
11-038S	1	Scissors for DALK Procedure, Right
11-0381S*		Scissors for DALK Procedure, Left
13-170	2	Trisector for DALK Procedure
13-171	3	Spatula for DALK Procedure
13-172	4	Dissector for DALK Procedure
15-450-27	5	Cannula for DALK Procedure, 27 Ga

Reference	Key	Description
11-134	6	Holland Spatulated DALK Scissors, Right
11-135*		Holland Spatulated DALK Scissors, Left
4-178S	7	McPherson Tying Forceps, Straight
4-174T*		McPherson Tying Forceps, Angled
8-024T	8	Barraquer Needle Holder, Extra Fine Jaws, with Lock
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large

*not shown

DSEK, DSAEK, DMEK SET



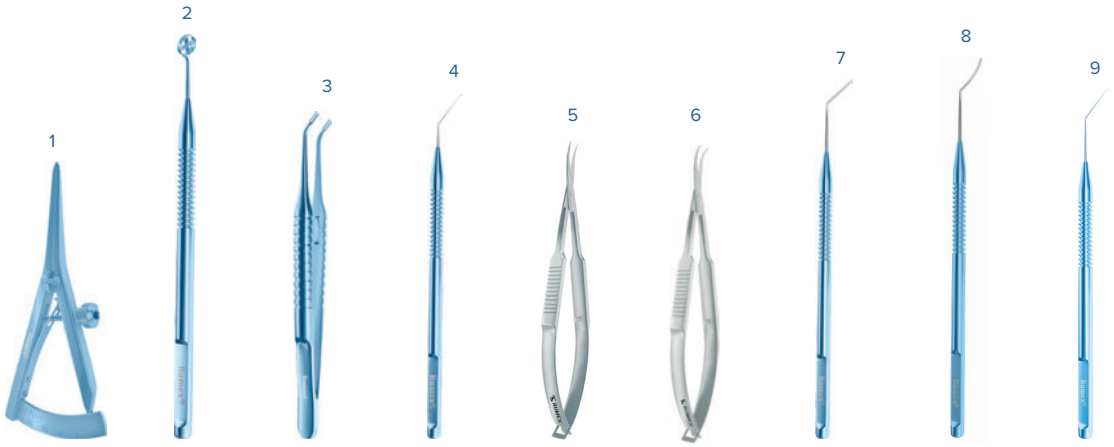
Reference	Key	Description
3-0231	1	Abdullayev Corneal Marker for Keratoplasty
3-0230*		Abdullayev Scleral Marker for Keratoplasty
4-034 /12-003T	2	Forceps for Corneal Endothelium Implantation, 23 Ga/ Universal Squeeze Handle
4-2019T	3	Corneal Donor Insertion Forceps
5-0322	4	Reversed Sinskey Hook
13-137	5	Corneal Dissector, Straight
13-138*		Corneal Dissector, Curved
4-240	6	Guell DMEK Forceps
13-139/I	7	Endothelial Stripper, Irrigating
13-150T	8	Spatula-Guide for Corneal Endothelium Implantation
13-151S	9	Cindy Sweeper DSEK Spatula

Reference	Key	Description
13-152S	10	Carlson DSEK Smoother
13-153S	11	Terry DSEK Scraper
4-247 /12-003T	12	Florakis Microinvasive Endothelial Forceps, 23 Ga / Universal Squeeze Handle
4-246S*		Florakis Endothelial Forceps
13-182	13	John Dexatome DMEK/DSAEK Spatula
13-183*		John DSAEK Stromal Scrubber
13-184*		John DSAEK Glider
13-185	14	Tan Marginal DMEK Dissector
4-251	15	Cross-Action DMEK Forceps
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large

*not shown

Product design and/or features that do not influence its functionality and main parameters are subject to change

DLEK SET

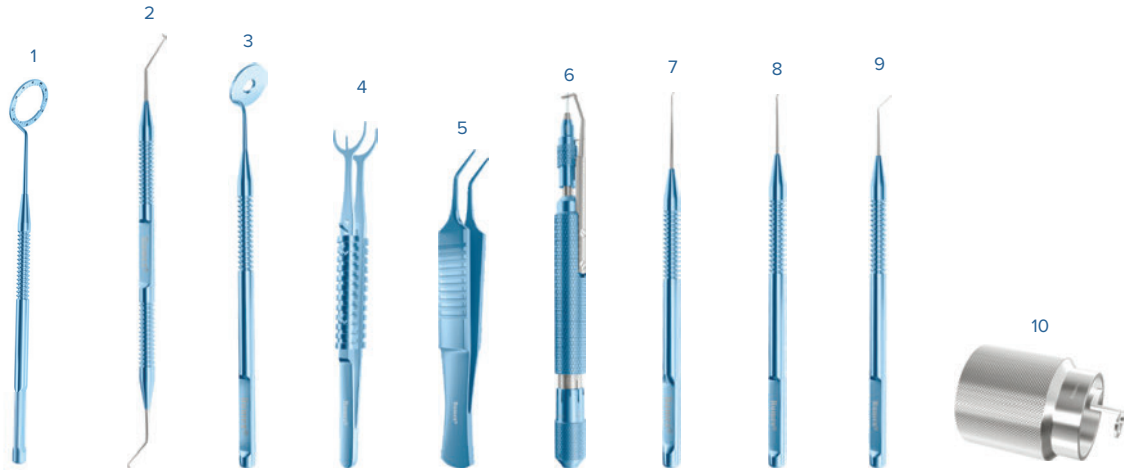


Reference	Key	Description
2-010T	1	Castroviejo Caliper
3-0217T	2	Hoffer Optical Zone Marker, 8.00 mm
4-0814T	3	Pollack Corneal Transplantation Fixation Forceps
5-0322	4	Reversed Sinskey Hook
11-036S	5	DLEK Scissors, Medium Curve

*not shown

Reference	Key	Description
11-0361S	6	DLEK Scissors, Strong Curve
13-137	7	Corneal Dissector, Straight
13-138	8	Corneal Dissector, Curved
13-160	9	Manipulator for DLEK pProcedure
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large

ICRS SET

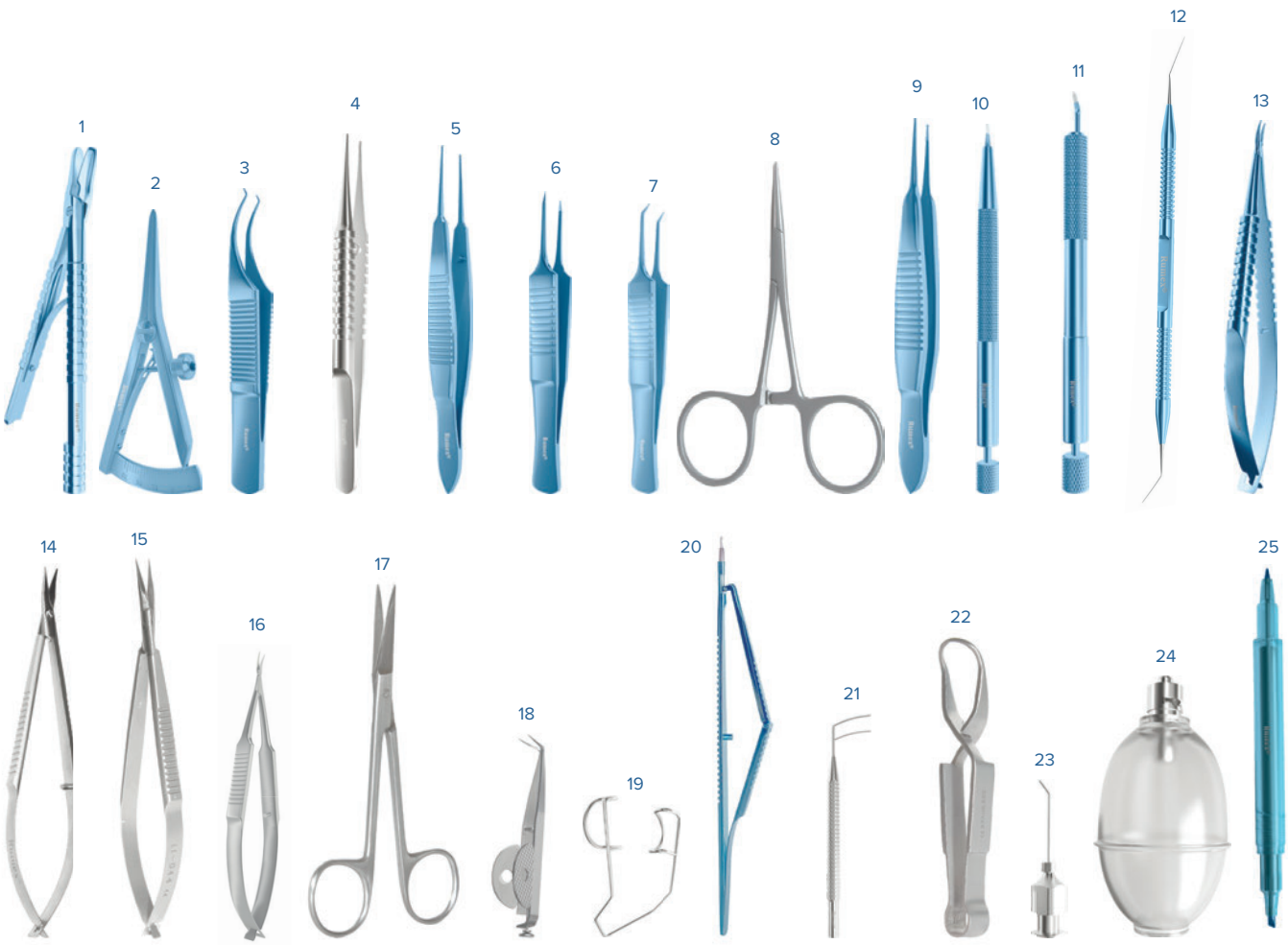


Reference	Key	Description
2-0331T	1	Grooved Mendez Degree Gauge with 4 Grooves
3-034	2	Optical Zone Marker
3-143T	3	Tunnel Zone Marker
4-08011T	4	Nevyas-Wallace Fixation Forceps
4-2144T	5	Forceps for ICRS Implant
6-00/6-020	6	Diamond Knife for ICRS, Micrometer Handle, 1.00 mm

*not shown

Reference	Key	Description
10-035	7	Elevator for ICRS Implantation
13-146	8	Suarez Spreader
13-147	9	Bicalto Guide
16-173S	10	Tunnel Maker, Left
16-174S*		Tunnel Maker, Right
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large

GLAUCOMA SET

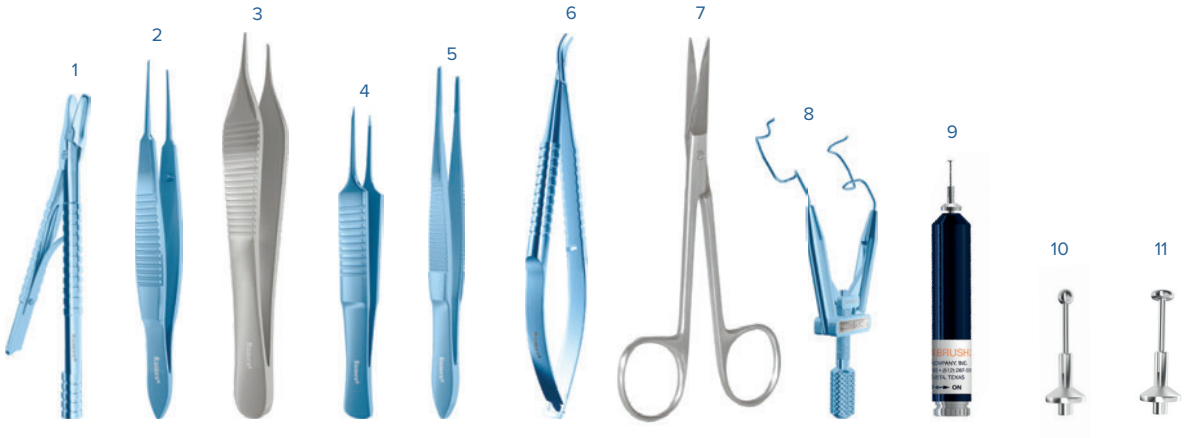


Reference	Key	Description
1-010T	1	Blade Holder
2-010T	2	Castroviejo Caliper
4-050T	3	Colibri Corneal Forceps
4-070S	4	Dressing Forceps with Delicate Serrations
4-0600T	5	Castroviejo Suturing Forceps
4-171T	6	McPherson Straight Tying Forceps
4-090T	7	Kelman-McPherson Tying Forceps
4-120S	8	Hartman Mosquito Forceps
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, without Lock
11-040S	14	Westcott Tenotomy Scissors

*not shown

Reference	Key	Description
11-044S	15	Westcott Stitch Scissors
11-052S	16	Vannas Capsulotomy Scissors
11-080S	17	Iris Scissors
11-1223	18	Barraquer Iris Scissors
14-022S	19	Barraquer Wire Speculum
16-011	20	Kelly Descemet's Membrane Punch, 0.75 mm Diameter
16-012S	21	Harms Trabeculotome, Left
16-013S*		Harms Trabeculotome, Right
16-080S	22	Schaedel Towel Clamp
15-051-27	23	Rycroft Anterior Chamber Cannula, 27 Ga
15-301/303	24	Silicone Bulb with Adapter
20-050	25	Disposable Marking Pen, Double-Ended, 10 per Box
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large

PTERYGIUM SET



Reference	Key	Description
1-010T	1	Blade Holder
4-0600T	2	Castroviejo Suturing Forceps
4-0741S	3	Adson Fixation Forceps
4-171T	4	McPherson Tying Forceps
4-2300T	5	Bonaccolto Utility Forceps
8-031T	6	Barraquer Needle Holder, Standard Jaws, without Lock
11-080S	7	Iris Scissors
14-040T	8	Lieberman Temporal Speculum

*not shown

Reference	Key	Description
16-051-2.5	9	AlgerBrush with a 2.50 mm Diamond Round Fine Grit Burr
16-051-3.5B	10	Diamond Round Medium Grit Burr for AlgerBrush, 3.50 mm
16-052-5.0B	11	Diamond Disk-Shaped Medium Grit Burr for AlgerBrush, 5.00 mm
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large

CHALAZION SET

Reference	Key	Description
1-020S	1	Bard Parker Handle
4-1906T	2	Desmarres Chalazion Forceps, Large
4-1912T*		Desmarres Chalazion Forceps, Medium
4-1908T	3	Lambert Chalazion Forceps, Small
4-1909T	4	Lambert Chalazion Forceps, Medium
16-063*		Meyerhoefer Chalazion Curette, Size 0
16-064*		Meyerhoefer Chalazion Curette, Size 1
16-065*		Meyerhoefer Chalazion Curette, Size 2

Reference	Key	Description
16-066	5	Meyerhoefer Chalazion Curette, Size 3
16-067*		Meyerhoefer Chalazion Curette, Size 4
16-50S	6	Lid plate
18-304*		Plastic Sterilizing Tray with Silicone Finger Mat, Extra Large

*not shown

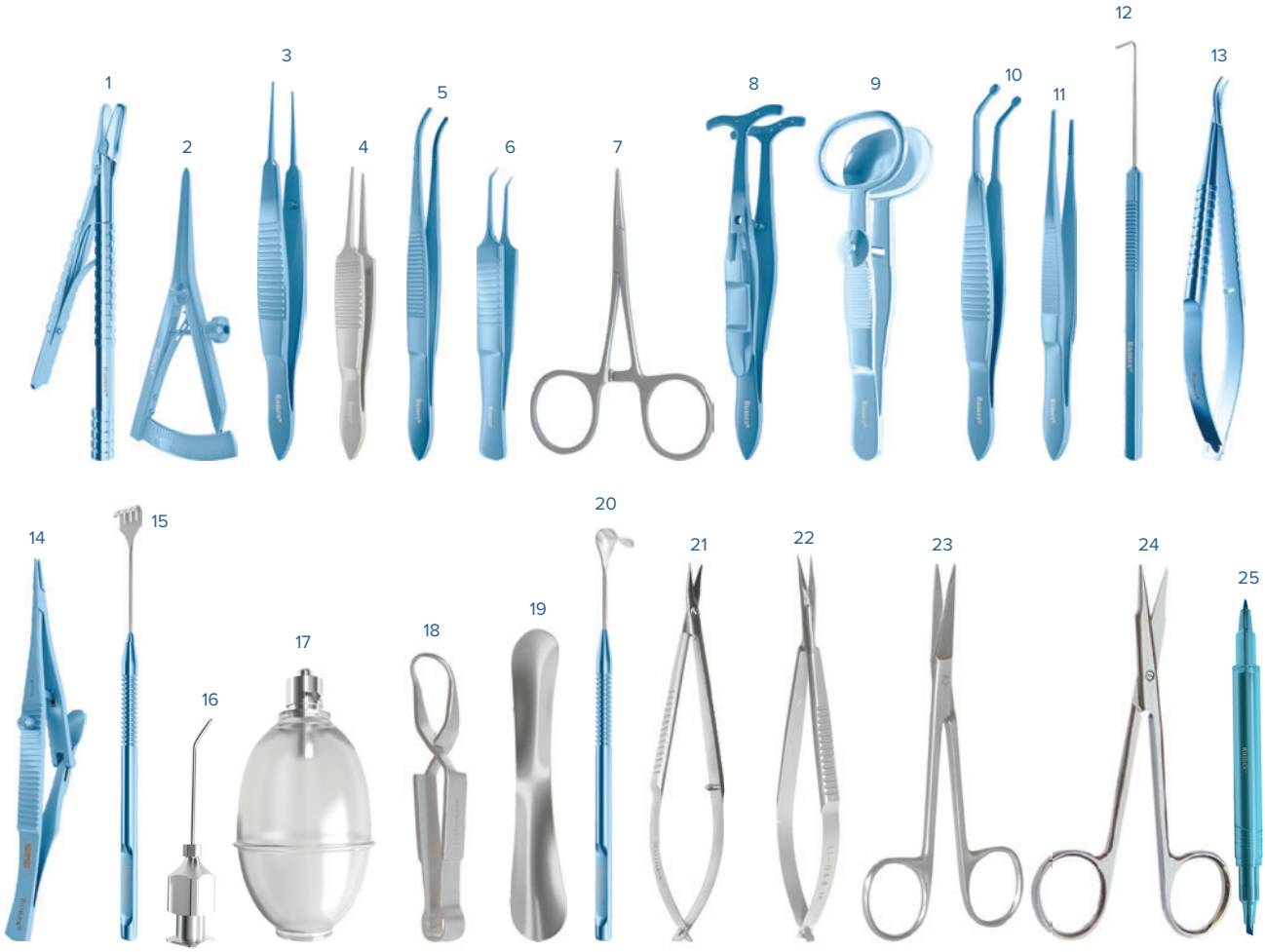
LACRIMAL SET

Reference	Key	Description
1-010T	1	Blade Holder
4-071S	2	Dressing Forceps
4-2300T	3	Bonaccolto Utility Forceps
4-0601T	4	Castroviejo Suturing Forceps
4-122S	5	Halsted Mosquito Forceps
8-031T	6	Barraquer Needle Holder, Standard Jaws, without Lock
9-010S	7	Bowman Lacrimal Probe, Size 0000-000
9-011S*		Bowman Lacrimal Probe, Size 00-0
9-012S*		Bowman Lacrimal Probe, Size 1-2
9-013S*		Bowman Lacrimal Probe, Size 3-4
9-014S*		Bowman Lacrimal Probe, Size 5-6
9-021S	8	Quickert Lacrimal Intubation Probe, Size 0
9-031	9	Pigtail Lacrimal Probe
9-050T	10	Wilder Lacrimal Dilator, Size 1
9-060T	11	Castroviejo Double-Ended Lacrimal Dilator, Size 1 & 2

Reference	Key	Description
10-013	12	Stevenson Lacrimal Sac Retractor
10-014	13	Knapp Lacrimal Sac Retractor
11-080S	14	Iris Scissors
11-125S	15	Westcott Type Stitch Scissors
11-130S	16	Stevens Scissors
15-029	17	Lacrimal Cannula, Reinforced, Curved, 23 Ga
15-301/303	18	Silicone Bulb with Adapter
16-081S	19	Towel Forceps
16-127	20	Nasal speculum, Adult Size
16-135	21	Surgical Mallet, Polished Finish
16-136	22	Kerrison Rounger, Size 0
16-138	23	Belz Lacrimal Sac Rongeur
21-R7011	24	Disposable DCR Set, Straight 4.50 cm
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large

*not shown

LID SURGERY SET

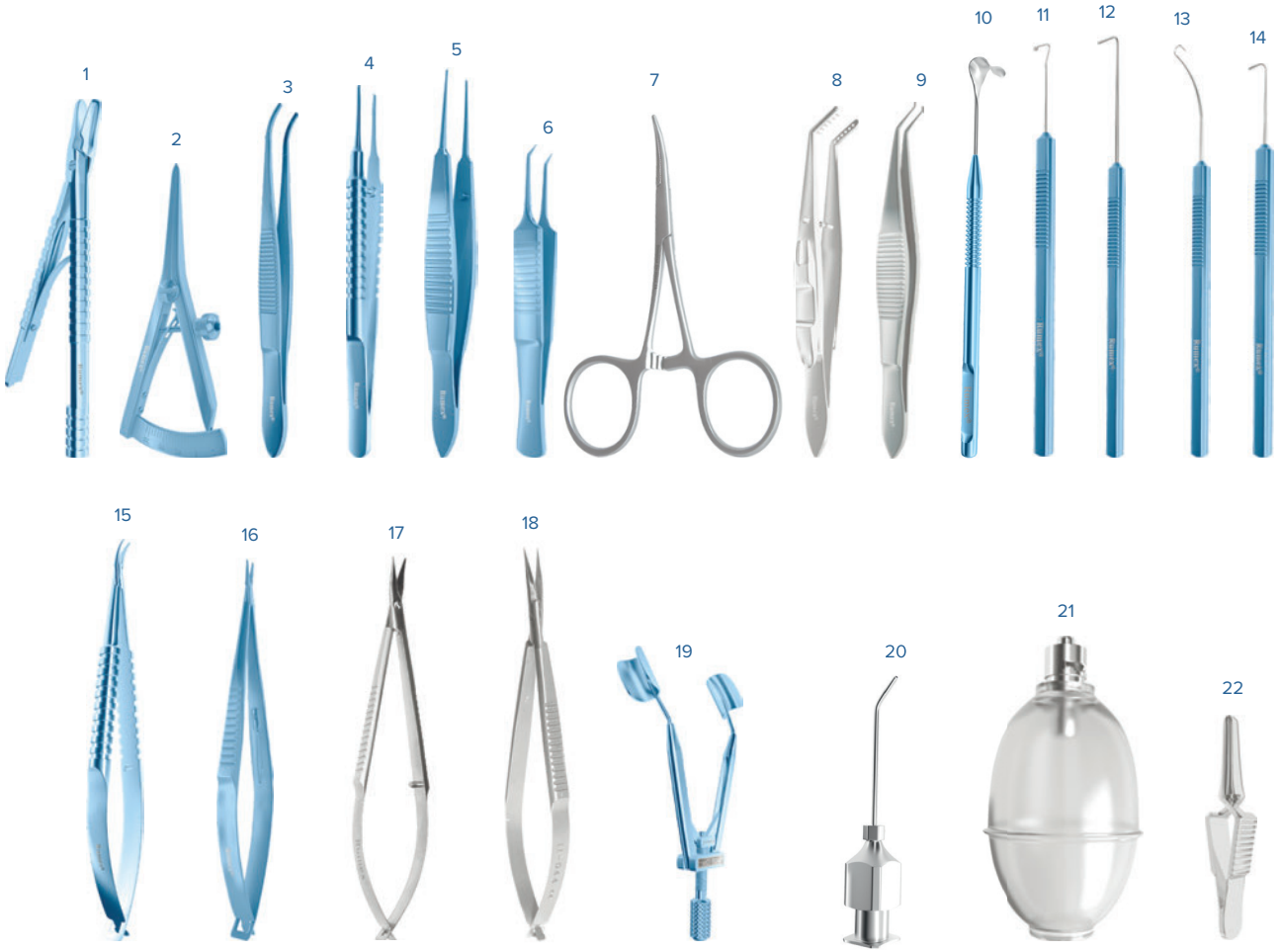


Reference	Key	Description
1-010T	1	Blade Holder
2-010T	2	Castroviejo Caliper
4-0601T	3	Castroviejo Suturing Forceps
4-0607S	4	Bishop-Harmon Suturing Forceps
4-072T	5	Dressing Forceps
4-090T	6	Kelman-McPherson Tying Forceps
4-120S	7	Hartman Mosquito Forceps
4-140T	8	Putterman Type Lid Clamp
4-1906T	9	Desmarres Chalazion Forceps, Large
4-1912T*		Desmarres Chalazion Forceps, Medium
4-124S*		Compressing Lid Forceps with Atraumatic Rollers
4-1913T	10	Compressing Lid Forceps
4-2300T	11	Bonaccolto Utility Forceps
5-042	12	Graefe Muscle Hook, Size 2
8-031T	13	Barraquer Needle Holder, Standard Jaws, without Lock
8-080T	14	Kalt Needle Holder

Reference	Key	Description
10-014	15	Knapp Lacrimal Sac Retractor
15-055-19	16	Bishop Harmon AC Cannula, 19 Ga
15-301/303	17	Silicone Bulb with Adapter
16-080S	18	Schaedel Towel Clamp
16-50S	19	Lid Plate
10-020*		Desmarres Lid Retractor, Size 0
10-021	20	Desmarres Lid Retractor, Size 1
10-022*		Desmarres Lid Retractor, Size 2
10-023*		Desmarres Lid Retractor, Size 3
11-040S	21	Westcott Tenotomy Scissors
11-044S	22	Westcott Stitch Scissors
11-080S	23	Straight Iris Scissors
11-133S	24	Stevens Tenotomy Scissors
20-050	25	Disposable Marking Pen, Double-Ended, 10 per Box
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large

*not shown

MUSCLE SET

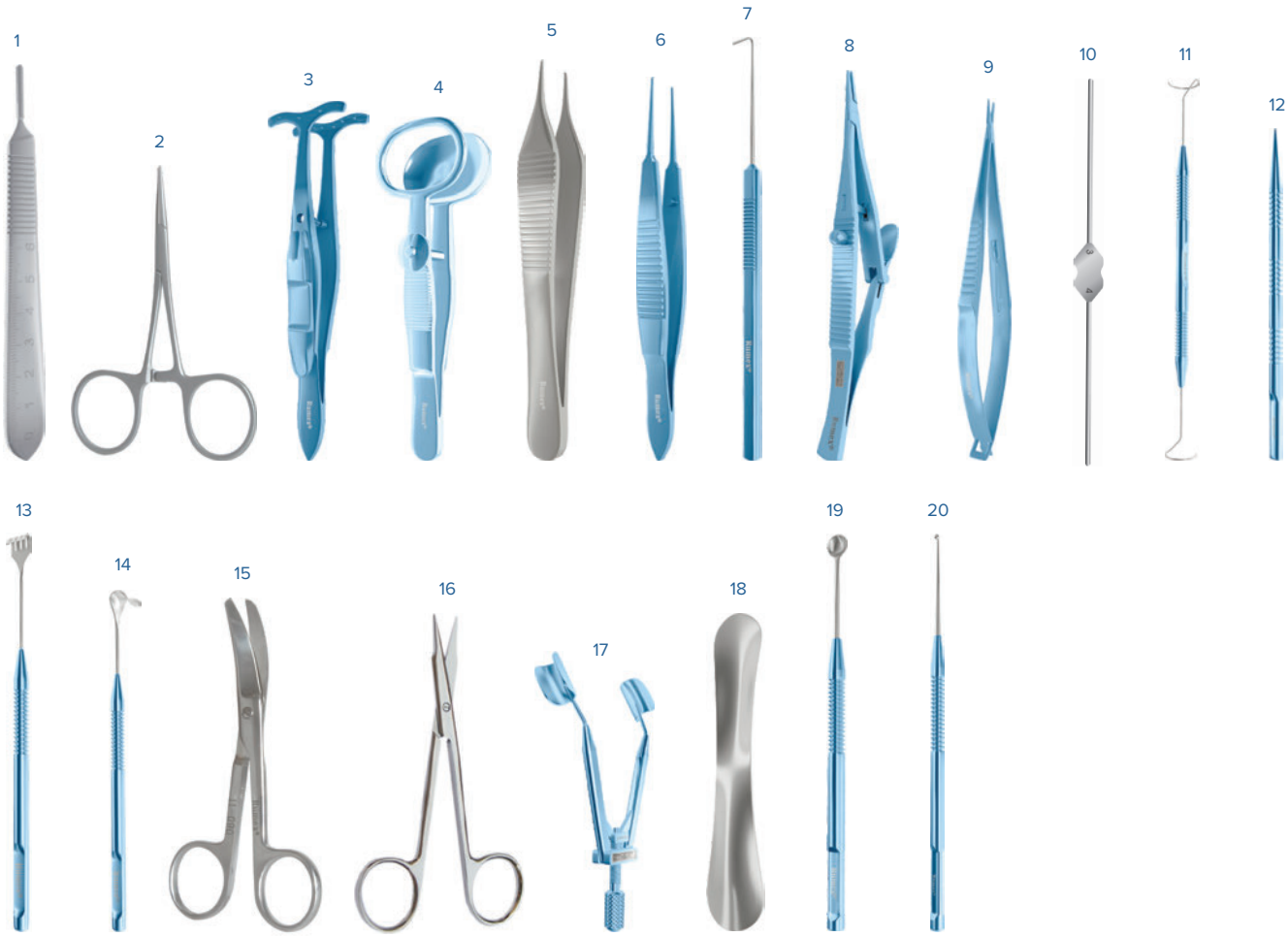


Reference	Key	Description
1-020S	1	Bard Parker Handle
2-010T	2	Castroviejo Caliper
4-072T	3	Dressing Forceps
4-0551T	4	Corneal Forceps, Bonn-Catalano Type
4-0602T	5	Castroviejo Suturing Forceps
4-090T	6	Kelman-McPherson Tying Forceps
4-121S	7	Hartman Mosquito Forceps
4-130S	8	Jameson Muscle Forceps, Left
4-131S*		Jameson Muscle Forceps, Right
4-136S	9	Osher Superior Rectus Forceps
10-022	10	Desmarres Lid Retractor, Size 2
5-040	11	Jameson Muscle Hook
5-042	12	Graefe Muscle Hook, Size 2

*not shown

Reference	Key	Description
5-061	13	Scobee Oblique Muscle Hook
5-062	14	Stevens Curved Tenotomy Hook
8-090T	15	Barraquer Needle Holder, Strong Jaws, with Lock
8-0921T	16	Castroviejo Needle Holder, Delicate Jaws, with Lock
11-040S	17	Westcott Tenotomy Scissors
11-044S	18	Westcott Stitch Scissors
14-0601T	19	Kershner Reversible Solid Blade Speculum
15-055-19	20	Bishop Harmon AC Cannula, 19 Ga
15-301/303	21	Silicone Bulb with Adapter
16-090S	22	Serrefine
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large

OCULOPLASTIC SET

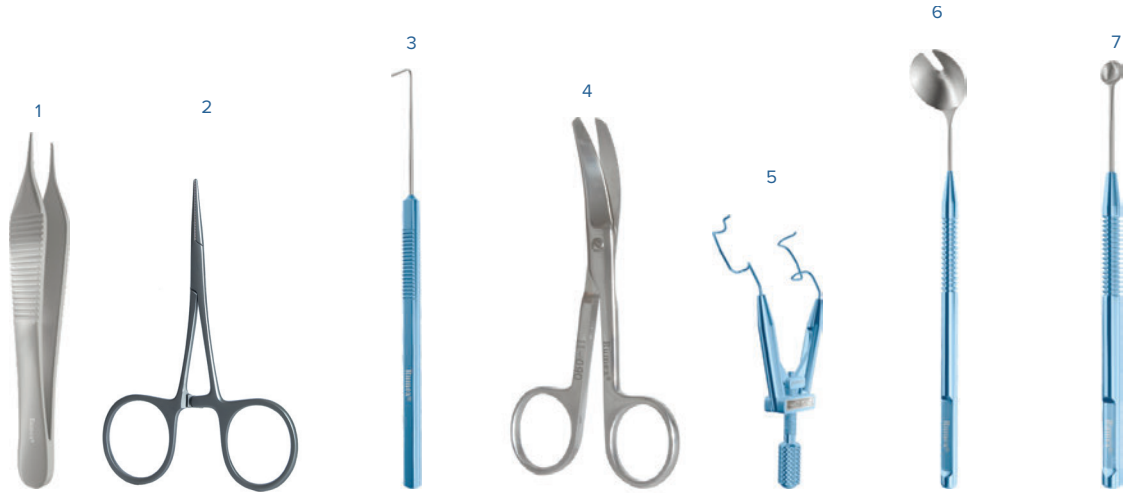


Reference	Key	Description
1-020S	1	Bard Parker Handle
4-120S	2	Hartman Mosquito Forceps
4-140T	3	Putterman Type Lid Clamp
4-1906T	4	Desmarres Chalazion Forceps, Large
4-0741S	5	Adson Fixation Forceps
4-0822T	6	Castroviejo Fixation Forceps
5-042	7	Graefe Muscle Hook, Size 2
8-080T	8	Kalt Needle Holder
8-0921T	9	Castroviejo Needle Holder, Delicate Jaws, with 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	Enucleation Scissors
11-133S	16	Stevens Tenotomy Scissors
14-0601T	17	Kershner Reversible Solid Blade Speculum
16-50S	18	Lid Plate
16-061	19	Bunge Evisceration Spoon, Small
16-066	20	Meyerhoefer Chalazion Curette, Size 3
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large

*not shown

ENUCLEATION / EVISCERATION SET



Reference	Key	Description
4-0741S	1	Adson Fixation Forceps
4-120S	2	Hartman Mosquito Forceps
5-042	3	Graefe Muscle Hook, Size 2
11-090S	4	Enucleation Scissors
11-101S*		Knapp Strabismus Scissors

Reference	Key	Description
14-040T	5	Lieberman Temporal Speculum
16-060	6	Wells Enucleation Spoon
16-061	7	Bunge Evisceration Spoon
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large

*not shown

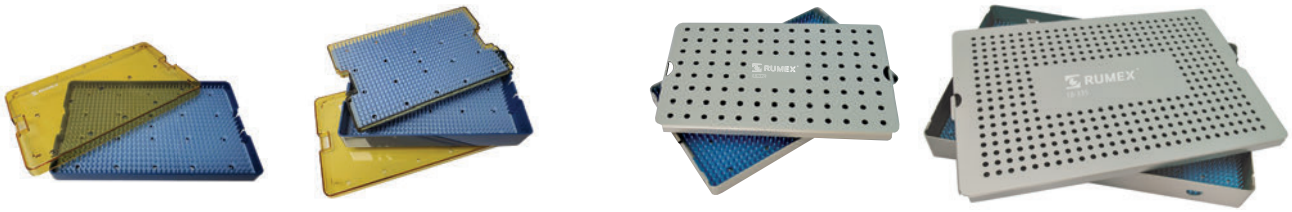
DON'T FORGET TO BUY

Complete any set with a sterilization tray.
RUMEX offers a variety of plastic and aluminum trays of different sizes and configurations.

AUTOCLAVE
STEAM
DRY HEAT
CHEMICAL

Plastic Trays
RUMEX plastic trays are molded from General Electric's ULTEM® resin, using mold flow analysis to guarantee product strength, structural integrity, and extended life cycle.

Aluminum Trays
RUMEX aluminum trays are manufactured from an anodized aluminum alloy to prevent corrosion, ensure fast drying and long-term use.
Lightweight* for easy transportation and handling.



18-304 18-305 18-324 18-335

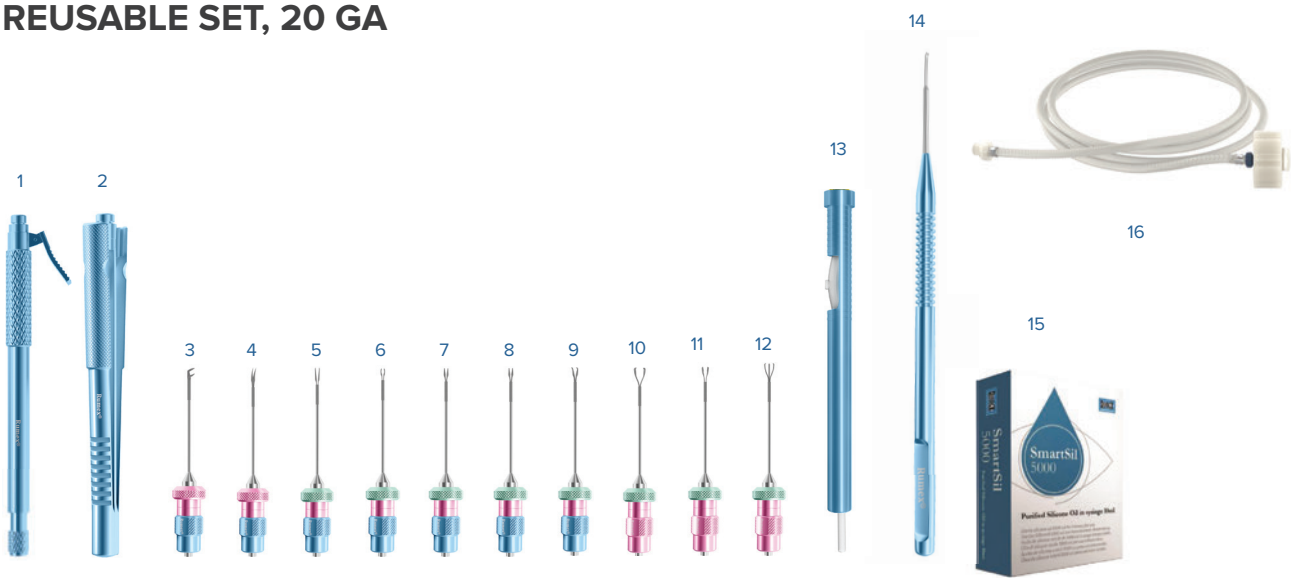
	Item	Dimensions, (L×W×H) mm	Dimensions, (L×W×H) in	Configuration	Accommodates, number of instruments
Plastic Trays					
1	18-304	254×152×19 mm	10×6×0.75"	Single level	10-15
2	18-305	254×152×38 mm	10×6×1.5"	Double level	20-30
Aluminum Trays					
3	18-324	260×160×20 mm	10.25×6.25×0.80"	Single level	10-15
4	18-335	390×265×40 mm	15.5×10.5×1.5"	Single level	25-35

Other trays are avaliable in RUMEX range

*Compared to Stainless Steel Trays

Product design and/or features that do not influence its functionality and main parameters are subject to change

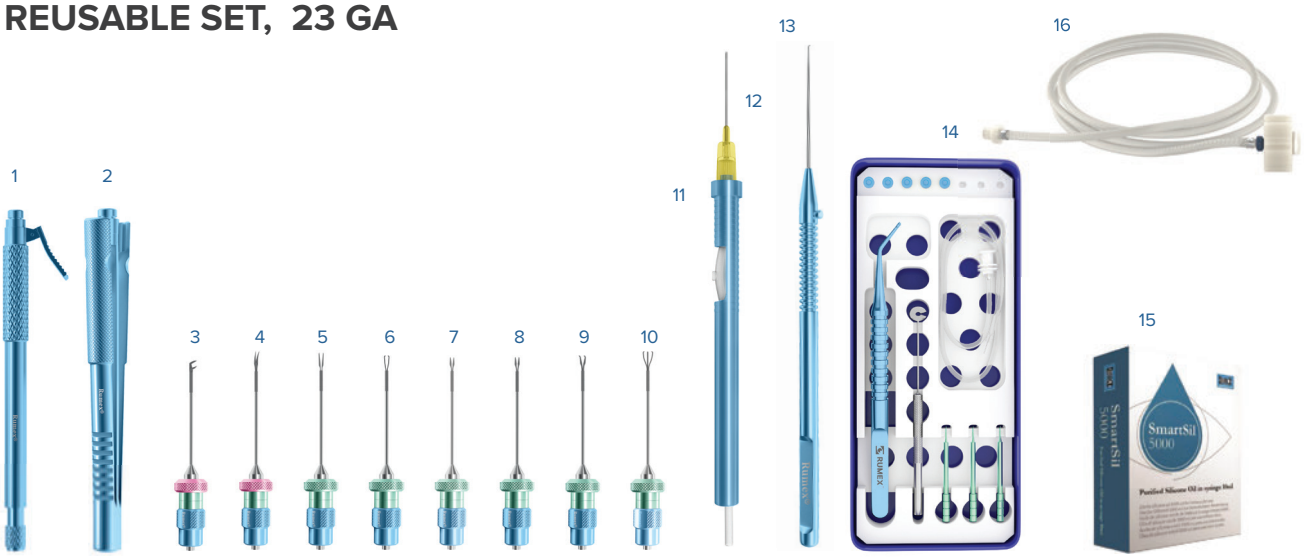
REUSABLE SET, 20 GA



Reference	Key	Description
12-001T	1	Universal Instrument Handle, One Finger Control
12-003T	2	Universal Instrument Handle, Squeeze Model, Two Fingers Control
12-202	3	Vertical Vitreoretinal Scissors, 20 Ga, Tip only
12-209	4	Curved Subretinal Scissors, 20 Ga, Tip only
12-410	5	Eckardt End-Gripping Forceps, 20 Ga, Tip only
12-411	6	Tano Asymmetrical End-Gripping Forceps, 20 Ga, Tip only
12-301	7	Vitreoretinal Forceps with a Sandblasted Platform, 20 Ga, Tip only
12-304	8	Gripping Forceps with a “Crocodile” Platform, 20 Ga, Tip only
12-325	9	Pick Vitreoretinal Forceps, 20 Ga, Tip only
12-335	10	Stolyarenko Forceps for Large Foreign Bodies, 20 Ga, Tip only
12-313	11	Vitreoretinal Forceps with Cup Jaws, 20 Ga, Tip only
12-321	12	Spring Gripping Forceps, 20 Ga, Tip only
12-6000	13	Titanium Backflush Handle, Active Aspiration
13-092	14	Membrane Scratcher, 20 Ga
SmartSil5000	15	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt
12-RTUB-2	16	Reusable Tubing System for the Infusion of Silicone Oil
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large

*not shown

REUSABLE SET, 23 GA



Reference	Key	Description
12-001T	1	Universal Instrument Handle, One Finger Control
12-003T	2	Universal Instrument Handle, Squeeze Model, Two Fingers Control
12-202-23	3	Vertical Vitreoretinal Scissors, 23 Ga, Tip only
12-209-23	4	Curved Subretinal Scissors, 23 Ga, Tip only
12-410-23	5	Eckardt End-Gripping Forceps, 23 Ga, Tip only
12-4013	6	End-Grasping Forceps, Expanded Space between Branches, 23 Ga, Tip only
12-301-23	7	Vitreoretinal Forceps with a Sandblasted Platform, 23 Ga, Tip only
12-304-23	8	Vitreoretinal Forceps with a "Crocodile" Platform, 23 Ga, Tip only

*not shown

Reference	Key	Description
12-325-23	9	Pick Vitreoretinal Forceps, 23 Ga, Tip only
12-321-23	10	Spring Gripping Forceps, 23 Ga, Tip only
12-6000	11	Titanium Backflush Handle, Active Aspiration
12-5161	12	Soft Tip Cannula, 23 Ga, Disposable, 5 per Box
13-097-23	13	Delicate Membrane Pick, 23 Ga
12-5173-23	14	Reusable Trocar System, 23 Ga
SmartSil5000	15	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt
12-RTUB-2 18-305*	16	Reusable Tubing System for the Infusion of Silicone Oil Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large

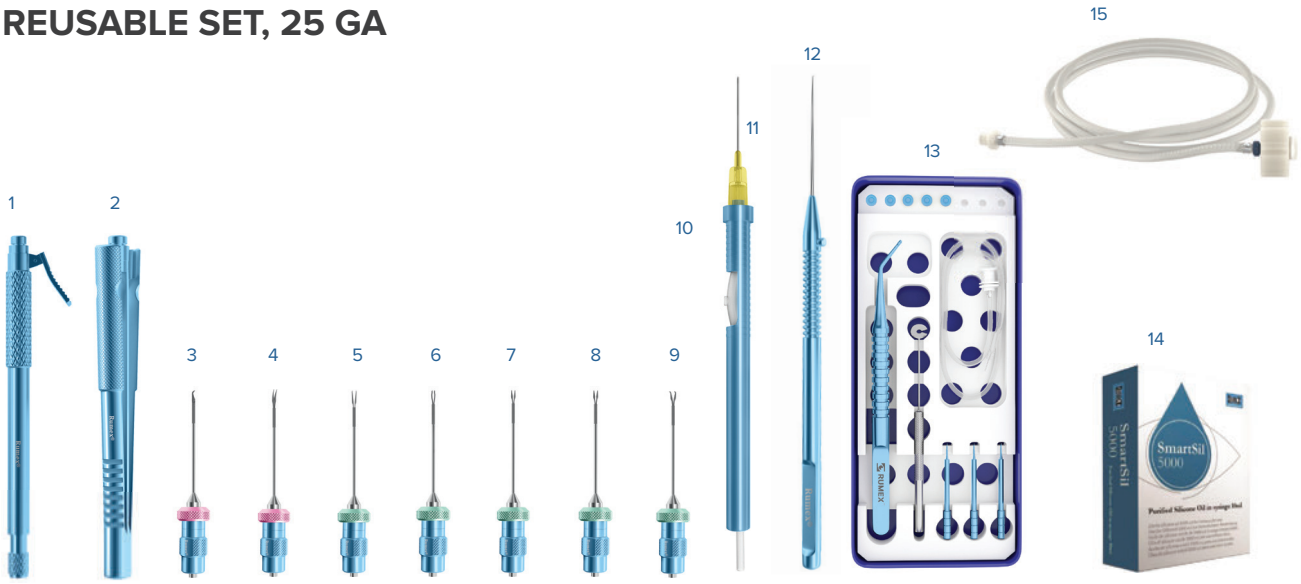
DISPOSABLE SET, 23 GA

Reference	Key	Description
12-5229	1	Disposable One Step Trocar System 23 Ga, 6 per Box
12-5161H	2	Backflush Instrument with Soft Tip, 23 Ga, 6 per Box
12-7523	3	Disposable Diamond Dusted Retractable ILM Elevator, 23 Ga, 5 per Box
12-209-23DP	4	Disposable Vitreoretinal Curved Scissors, 23 Ga, Plastic Handle 360°, 6 per Box
12-410-23DP	5	Disposable Vitreoretinal Eckardt End-Gripping Forceps, 23 Ga, Plastic Handle 360°, 6 per Box

Reference	Key	Description
12-304-23DP	6	Disposable Vitreoretinal Gripping Forceps with a "Crocodile Platform", 23 Ga, Plastic Handle 360°, 6 per Box
12-202-23DP	7	Disposable Vitreoretinal Vertical Scissors, 23 Ga, Plastic Handle 360°, 6 per Box
12-5203	8	Dual Bore PFC Cannula, 23 Ga, 5 per Box
12-5248	9	Viscous Fluid Injection Cannula, 23 Ga, 4 mm Tip, 5 per Box
SmartSil5000	10	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt

Product design and/or features that do not influence its functionality and main parameters are subject to change

REUSABLE SET, 25 GA

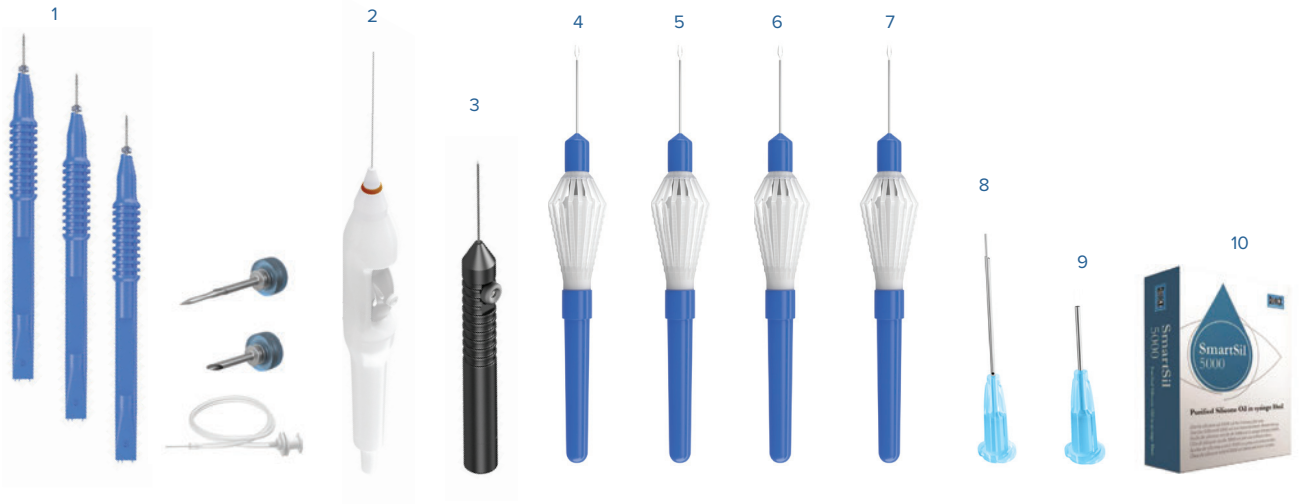


Reference	Key	Description
12-001T	1	Universal Instrument Handle, One Finger Control
12-003T	2	Universal Instrument Handle, Squeeze Model, Two Fingers Control
12-2029	3	Vertical Vitreoretinal Scissors, 25 Ga, Tip only
12-2099	4	Curved Subretinal Scissors, 25 Ga, Tip only
12-410-25	5	Eckardt End-Gripping Forceps, 25 Ga, Tip only
12-420-25	6	Asymmetrical End-Grasping Forceps, 25 Ga, Tip Only
12-3019	7	Vitreoretinal Forceps with a Sandblasted Platform, 25 Ga, Tip only
12-304-25	8	Vitreoretinal Forceps with a "Crocodile" Platform, 25 Ga, Tip only

*not shown

Reference	Key	Description
12-3259	9	Pick Vitreoretinal Forceps, 25 Ga, Tip only
12-6000	10	Titanium Backflush Handle, Active Aspiration
12-5152	11	Soft Tip Cannula, 25 Ga, Disposable, 5 per Box
13-0979	12	Delicate Membrane Pick, 25 Ga
12-5173-25	13	Reusable Trocar System, 25 Ga
SmartSil5000	14	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt
12-RTUB-2	15	Reusable Tubing System for the Infusion of Silicone Oil
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large

DISPOSABLE SET, 25 GA



Reference	Key	Description
12-5244	1	Disposable One Step Trocar System 25 Ga, 6 per Box
12-5152H	2	Backflush Instrument with Soft Tip, 25 Ga, 6 per Box
12-7525	3	Disposable Diamond Dusted Retractable ILM Elevator, 25 Ga, 5 per Box
12-209-25DP	4	Disposable Vitreoretinal Curved Scissors, 25 Ga, Plastic Handle 360°, 6 per Box
12-410-25DP	5	Disposable Vitreoretinal Eckardt End-Gripping Forceps, 25 Ga, Plastic Handle 360°, 6 per Box

Reference	Key	Description
12-304-25DP	6	Disposable Vitreoretinal Gripping Forceps with a "Crocodile Platform", 25 Ga, Plastic Handle 360°, 6 per Box
12-202-25DP	7	Disposable Vitreoretinal Vertical Scissors, 25 Ga, Plastic Handle 360°, 6 per Box
12-5205	8	Dual Bore PFC Cannula, 25 Ga, 5 per Box
12-5258	9	Viscous Fluid Injection Cannula, 25 Ga, 4 mm Tip, 5 per Box
SmartSil5000	10	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt

Product design and/or features that do not influence its functionality and main parameters are subject to change

APPENDIXES

STERILIZATION AND CARE

GENERAL INSTRUCTIONS FOR CARE, CLEANING AND STERILIZATION

We at RUMEX guarantee our instruments against manufacturing defects, but the lifespan of reusable instruments lies within proper handling and care. To help your instruments preserve their initial conditions, we strongly recommend you to read the instructions below carefully before use.
A common misconception that “stainless steel” or “titanium” have extreme durability and are indestructible is in need of correction: these metals still might be affected by chemical, mechanical, thermal attacks and etc. However, if you are aware of metal characteristics and understand how to handle them, the lifespan of the instruments may be enlarged.
A particular care should be taken after microsurgical instruments as they have very delicate working tips.
These instructions are being general recommendations, cleaning guidelines of the solutions and equipment manufacturer and your institution, especially those regarding temperature, time of exposure and concentration, should be observed.

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 STERILIZATION TRAY.

Stage 1: DESINFECTION

Soaking

1. For effective cleaning of instruments it is recommended to start pre-treatment as soon as possible, no later than 30 minutes after surgery is completed. The cleaning/disinfection should be carried out within the next two hours.
2. Use **distilled/demineralized water** to prepare the working solution.
3. Water temperature should be as specified in the manufacturer’s instructions. Water layer above the instruments should be no less than 1 cm (.39 inches).
4. Make sure the disinfectant is free of **aldehydes, glutaraldehydes.** Stainless steel tools must not be exposed for a long time to media which can promote corrosion (for example, chloride or iodine ions). This also applies to the vapors of the substances mentioned.

Do not immerse stainless steel instruments in an isotonic solution (e.g. physiological saline solution) as stress corrosion cracking and pitting may occur.

5. Carry out disinfection according to the mode, indicated in the instructions of product manufacturer. Disinfectant solution should not foam.
6. Instruments with hinges and joints must be handled open.

Rinsing

1. Place the products in a container with distilled/demineralized water and wash off the remaining solution with thorough rinsing of all lumens for 5 minutes.
2. Then rinse with distilled water.

Stage 2: PRE-STERILIZATION CLEANING

Never skip this cleaning stage as residues on instruments such as care agents and the ones of package materials may form stains and depositions in course of sterilization.

MANUAL CLEANING

It is imperative to follow the rules:

1. As much moisture as possible must be eliminated from all instrument’s parts since moisture promotes corrosion.
2. Only detergents and cleaners specially designed for use on surgical stainless steel or titanium instruments are acceptable for use in the cleaning process. Cleaning guidelines of the solution manufacturer and your institution should be observed.
3. 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.
4. The cleaning/disinfecting solutions should be exchanged daily.

Steps of manual cleaning in solution

1. Use **distilled/demineralized water** to prepare the working solution. Use chemicals with non-protein fixing process and with/without anti-microbial effects. Prepare the solution according to the manufacturer's instructions.
2. The detachable products should be disassembled prior to be immersed into the solution. Products with locks
   should be immersed open with preliminary several working movements done inside the solution for its better penetration into hard-to-reach areas of the instruments. Make sure that there are no air bubbles in the cavities and all the inner surfaces are affected.
3. Soak according to the mode, indicated in the instructions of product manufacturer. **We recommend soaking instruments in a detergent with pH level between 6-9 for 10 min at 40°C/104°F. Disinfection agent should be aldehyde-free.**
4. Wash each product with a brush or a cotton-gauze sponge. Use a syringe to wash the lumens of the instruments. Remove all macroscopically visible dirt.

WARNING! 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.

5. Place the products in a container with distilled/demineralized water and wash off the remaining solution with thorough rinsing of all lumens for 5 minutes. Repeat the procedure if necessary.
6. Then rinse with distilled water to prevent spotting. Instruments with lumens should be flushed out at least five times at the beginning and at the end of the cleaning (10 ml/0.34 fl.oz distilled or deionized water to be used each time) .
7. Dry instruments carefully before sterilization with a hot air blower or lint-free cloth. Compressed air is preferred. Sterile compressed air should be used to insufflate cavities of the instruments.
8. The cleaning results must be visually inspected. The instruments must be visibly clean.

ULTRASONIC CLEANING

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 into the equipment. A five to ten minutes cycle in the ultrasonic cleaner should be sufficient.

The following rules should be followed:

1. Fill the bath with room temperature water. The temperature higher than 45°C (113°F) can lead to encrustation due to denaturation of the protein.
2. Use detergent to soak the instruments. A distilled/demineralized water should be used to prepare the working solution. Make it according to the manufacturer's instructions. Newly prepared cleaning solutions require degassing prior to the first use.
3. Place instruments next to each other without stacking them.
4. When carrying out ultrasonic cleaning, all parameters specified by the manufacturer of the cleaning agent, such as exposure time and concentration, must be observed.
5. The use of ultrasonic baths and strong cleaning fluids (alkaline pH> 9 or acid pH <5) can shorten the lifespan of the products. Make sure the appropriate agents are chosen for performing the procedure.
6. Place the instruments on silicone fingertip mat, previously put into the ultrasonic bath with the solution. When using deionized water or cleaning solution fully submerge the instruments. Change the ultrasonic solution from ultrasound cleaner after each use.

Instruments with hinges and joints must be handled open to minimize the obscured surface areas. The detachable products should be disassembled prior to be immersed into the solution.

Products with locks should be immersed open with preliminary several working movements done inside the solution for its better penetration into hard-to-reach areas of the instruments.

Large instruments should be placed vertically in order not to create acoustic shadows.

WARNING! 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.

7. Carry out the cleaning procedure. Turn on ultrasonic bath. 3 minutes exposure at frequencies of around 35 kHz would be sufficient. Use soft bristled nylon brush to clean all the parts of the instrument, inside and outside.
8. Place the products in a container with distilled/demineralized water and wash off the remaining solution with thorough rinsing of all lumens for 5 minutes. Repeat the procedure if necessary.

9. Then rinse with distilled water to avoid water spots.
10. Dry the instruments before sterilization. A lint free cloth may be used for manual drying. Sterile compressed air should be used to insufflate cavities of the instruments.

WARNING! DO NOT apply ultrasonic cleaning to diamond knives or instruments with delicate tips (e.g. vitreoretinal and microincisional tips, choppers, hooks, manipulators and etc.)

AUTOMATED CLEANING

1. Baskets in the form of nets with large holes are recommended to be used in special washing equipment. Be sure to use tool holders in the basket. Place instruments inside them without overloading.
2. Make sure that the large instruments don't obscure other ones and don't create spray shadows.
3. Sort tools by similar metals, avoiding contact between dissimilar ones. This type of contact can cause galvanic corrosion.
4. Use a solution suitable for washing equipment with low foaming property.
5. Use a neutralizer, which not only neutralizes alkali, but also reduces surface tension of the liquid during drying, accelerating it, and minimizing stains.
6. Set the program for the cleaning step. The chosen program must be suitable for the products and include the appropriate number of rinsing cycles.

For automated cleaning and disinfection thermal and chemo-thermal disinfection options are available.
During **thermal processes** disinfection is carried out at temperatures above 65°C (149°F). A reprocessing program may include the following steps:

1. Pre-wash with cold water to remove dirt and foaming substances.
2. Cleaning is performed with use of suitable pH-neutral or alkaline products added to hot or cold distilled water at temperatures of 40-60°C (104-140°F) for at least 5 minutes.
3. Intermediate rinse in hot or cold distilled water with acidic neutralizer added in order to facilitate the removal of remaining alkaline disinfectants.
4. Second intermediate rinse in hot or cold distilled water without additives should follow.
5. Thermal disinfection and final rinse is performed at temperatures of 80-95°C (176-203°F).
6. Drying might be carried out in washer/disinfector or in other possible ways. Sterile compressed air should be used to insufflate cavities of the instruments.

Chemo-thermal disinfection is suitable for heat-sensitive products. The temperature is limited in all rinsing stages and during the step of drying.
Cleaning is performed normally at < 65°C (149°F). A reprocessing program may include the following steps:

1. Pre-wash with cold water to remove dirt and foaming substances.
2. Cleaning is performed with use of suitable pH-neutral or alkaline products added to hot or cold distilled water at temperatures of 40-60°C (104-140°F) for at least 5 minutes.
3. Intermediate rinse in hot or cold distilled water followed by chemo-thermal disinfection. Special cleaning agent, compatible with machine-disinfection, is used.
4. Intermediate rinse in hot or cold distilled water without additives.
5. Final rinsing with distilled water at higher temperature.
7. Drying might be carried out in washer/disinfector or in other possible ways. Sterile compressed air should be used to insufflate cavities of the instruments.
8. The cleaning device must be regularly maintained, checked and validated in accordance with internal and manufacturer requirements.
9. When processing the ophthalmic instruments we recommend using the additional intermediate rinsing with water in the washing programs before the final rinse.

Additional rinsing outside the washing equipment is not required.

A combination of processing stages 1 and 2 is allowed.

WARNING! Tools with blind holes, long narrow tips (e.g. tips, cannulas, handpieces and etc), hinges (3-joint instruments) need more attention during cleaning process. The temperature at all stages of the process should not exceed 170°C (338°F).

Aspiration speculums require additional cleaning of silicone tubes prior to be sterilized.

First, soak the instrument in the soap solution at temperature of 50°C (122°F) and keep it there for 15 min. After that wash the instrument with brush and cotton/gauze pad. Take the instrument out of soap bath and wash it under streaming water for 3 min. Rinse the instrument with distilled or deionized water. Then attach a syringe filled with warm water into the luer lock and rinse the silicone tubes of the instrument. Finally, blow them with air by forcing one or two syringes full of air through the tubes.

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 lubricant must be biocompatible, suitable for steam sterilization and vapor-permeable. No silicone oil should be applied. The paraffin/white oil based lubricants are allowed to be used.
After cleaning process let the instruments cool down to room temperature prior to their actuation, as otherwise metal abrasion may develop when the details of the tools rub against each other. This may destroy the instruments' functionality.
The recommended directions of the instrument lubricant manufacturer and your institution should be observed.

Stage 3: STERILIZATION

Surgical instruments should be stored at room temperature in dry rooms 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.

WARNING! Never store the instruments close to the chemicals.

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 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.
WARNING! Only clean and disinfected products can be sterilized.
For lumen instruments (e.g. tips, cannulas, handpieces) the gravity procedure is not suitable!

RUMEX instruments can be sterilized using any of the following methods:

100% ETO cycles	
Concentration ETO	850±50mg/l
Temperature	37-47°C (99-117°F)
Exposure time	3–4 hours
Humidity	70% RH minimum
Drying Cycle	1 hour

WARNING! ETO method is not recommended for diamond knives sterilization.

	Steam Autoclaving		"Flash" Autoclaving	
Sterilizer Type	Gravity Displacement	Prevacuum	Gravity Displacement	Prevacuum
Sample Config.	wrapped	wrapped	unwrapped	unwrapped
Temperature°C	+132°C	+132°C°C	+132°C	+132°C
Temperature°F	+270°F	+270°F°F	+270°F	+270°F
Exposure Time	34 minutes	3 minutes	10 minutes	3 minutes
Drying Cycle	min. 10 minutes	min. 10 minutes	min. 10 minutes	min. 10 minutes

WARNING! The sterilization steam must not contain any impurities.

Gas plasma sterilization is not recommended as delicate instruments might be physically damaged when exposed to low pressure.

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.

WARNING! Follow the guidelines of the processing times. The rapid sterilization process should be reserved for emergency processing only and should not be used for routine instrument sterilization. Longer sterilization period and higher temperatures can lead to premature aging of instruments.

RECOMMENDED PRODUCTS FOR CARE AND CLEANING

Product name, Manufacturer	Description	Composition	Processing stage	Compatibility
SEKUSEPT Activ, Ecolab Deutschland GmbH	**Disinfectant** for automatic and manual processing of tools	≥ 30% oxygen-based bleaching agents; <5% non-ionic surfactants, phosphonates; 50% sodium perborate monohydrate; 25% tetraacetylethylenediamine; active antimicrobial components, nonionic surfactants, corrosion inhibitor; **pH of 2% solution: 7.4-8.4**	Disinfection; Pre-sterilization cleaning; Sterilization	Compatible. Discoloration of metal, residual detergent or water film formation may occur.
Neodisher MediClean Forte, Dr. Weigert GmbH & Co.	**Detergent** for automatic and manual cleaning of surgical instruments. Prevents reprecipitation of protein residues.	< 5% non-ionic and anionic surfactants; enzymes; **pH: 10.4-10.8**	Pre-sterilization cleaning	Compatible. Discoloration of metal, residual detergent or water film formation may occur.
Neodisher MediKlar, Dr. Weigert GmbH & Co.	**Rinser** for automatic and manual cleaning of surgical instruments. Recommended for use with MediClean forte. Prevents reprecipitation of protein residues.	< 5% anionic surfactants, polycarboxylates; 5 - 15% non-ionic surfactants also preservatives; 2-octyl-2H-isothiazol-3-one, a mixture of: 5-Chloro-2-methyl-2h-isothiazol-3-one [EC-no.247-500-7] and 2-Methyl-2H-i sothiazol-3-one; **pH: 5.9-6.9**	Pre-sterilization cleaning	Compatible
ERIZYME, KiiltoClean FARMOS Oy	**Detergent** for hand treatment, washer disinfectors and ultrasonic treatment	non-ionic surfactants (< 5%); amphoteric surfactants (< 5%); complexing agent (5-15%); monopropylene glycol (15-30%); anti-foaming agent; enzymes; **pH: 7.5**	Pre-sterilization cleaning	Compatible
ERISAN OXY+, KiiltoClean FARMOS Oy	**Disinfectant** in disposable sachets	sodium percarbonate 30 - <50%; citric acid 15 - <30%; tartaric acid 5 - <15%; **pH: 5.9-6.9**	Disinfection; Pre-sterilization cleaning; Sterilization	Compatible

Fully demineralized water for rinsing and correct loading must be used to prevent staining!

The color of titanium instruments may change due to development of different properties of oxide layers. Such discoloration does not bring a safety risk, as well as water stains on the surface of the instruments. They don't affect the biocompatibility, functionality, and lifetime of the instruments. However, discoloration may affect the visual inspection of the tools (e.g. determining residual dirt). To prevent the color change of titanium instruments, use only neutral or mild alkaline cleaning agents. While using them, do not exceed a temperature of 70°C (158°F).

AT THE END OF THE 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.

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 of natural diamonds and the handles are manufactured from titanium alloy. 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). 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.

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 counterclockwise 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 the knife.

CLEANING

1. Use a syringe with distilled or demineralized water to flush the instrument.
2. Dip the knife (blade retracted) into weak alkaline cleaning solution and keep for 60 minutes at a temperature of 22°C (72°F).
3. The handle of a knife can be cleaned with a soft brush.
4. 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.

WARNING! DO NOT apply ultrasonic cleaning to diamond knives.

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.

PLEASE OBSERVE THE GENERAL INSTRUCTIONS FOR CARE, CLEANING AND STERILIZATION BEFORE HANDLING THE TOOL! SEE P. (p.171)

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.

WARNING!

ETO method is not recommended for diamond knives sterilization.

The knife must not be treated at more than 140°C (284°F).

Gas plasma sterilization is not recommended as delicate instruments might be physically damaged when exposed to low pressure.

STORAGE

Diamond knives must be kept at a temperature from 10 to 25°C (50 to 77°F) and relative air humidity at max. 75% at 25°C (77°F). Indoor air must not contain corrosive additive agents. The blade must be fully retracted into the handle (non-operative position). Self-movement, blows or vibrations must be avoided.

INSPECTION

Incoming inspection is obligatory. It includes:

1. Visual examination of the package obtained: no mechanical damages are permitted.
2. 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.
3. Blade must be set into the operating/non-operating position without jamming; it must be fixed easily.

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.

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.

HANDLING OF VITREORETINAL AND MICROINCISIONAL INSTRUMENTS

APPLICATION

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.

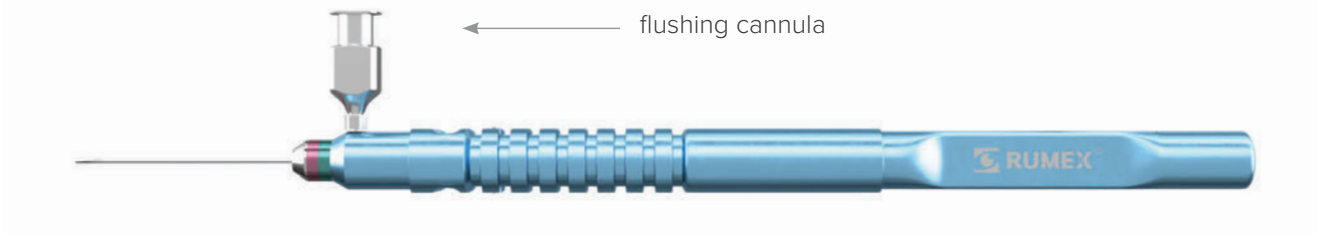
CARE AND HANDLING

The intraocular tips have a delicate precision mechanism inside. Intraocular fluids will enter this mechanism during surgery. Proteins may also accumulate inside of the mechanism. If these fluids are not promptly and properly cleaned out, it will lead to corrosion or clogs and the possibility of instrument malfunction. Ensure the cleaning procedure is implemented after each surgery — warranty shall not extend to instruments that have been improperly handled. One-piece and two-piece vitreoretinal instruments are cleaned by use of special adaptor and cannula.

CLEANING OF TWO-PIECE VITREORETINAL INSTRUMENTS

1. Unscrew the tip from the handle, then attach flushing adapter 12-000T.
2. Flush the tip with distilled or demineralized 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. Handle should be soaked in distilled or demineralized water for two minutes.
6. Dry with surgical sponge.
7. Lubricate joints in handle with instrument milk and work the mechanism by pressing the key.

CLEANING OF ONE-PIECE VITREORETINAL INSTRUMENTS



1. Put the instrument into PTFE protector (provided).
2. Soak it in the soap solution at temperature of 50°C (122°F) and keep it there for 15 min.
3. Wash the handle with brush and cotton/gauze pad.
4. Take the instrument out of soap bath and wash it under streaming water for 3 min.
5. Rinse the instrument with distilled or demineralized water.
6. After that flush the instrument with alcohol solution. It will remove water and contribute to drying.
7. Next, adjust the cannula on the luer of the syringe and fill the syringe with distilled or demineralized water.
8. A tube of the cannula then should be inserted into the port, situated at the base of the barrel near the colored wheels.
9. Flush the tube of the instrument and the tip with distilled or demineralized water by forcing syringe plunger. Then repeat the procedure with use of alcohol solution.
10. Finally, blow the air inside the tube by forcing it from the syringe into the port of the instrument Pressurized air is recommended, as it flushes out debris and fluid more efficiently than syringe forced air.

WARNING! DO NOT apply ultrasonic cleaning to vitreoretinal and microincisional tips.

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 are autoclavable. 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

2

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.

PLEASE OBSERVE THE GENERAL INSTRUCTIONS FOR CARE, CLEANING AND STERILIZATION BEFORE HANDLING THE TOOL! SEE P. (p.171)

WARNING!
Gravity displacement is not suitable for vitreoretinal and microincisional tips.
Gas plasma sterilization is not recommended as delicate instruments might be physically damaged when exposed to low pressure.

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 Keratosplaty
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)	Micro-vitreoretinal
OD	Outer Diameter
OVD	Ophthalmic Viscosurgical Device
PFC	Perfluorocarbon
PRK	Photorefractive Keratectomy
PVD	Posterior Vitreous Detachment
ReLEx SMILE	Refractive LEnticule Extraction SMall Incision Lenticule Extraction
RHD	Right Handed Doctor
SMILE	Small Incision Lenticule Extraction
STSS	Stainless Steel
Ti	Titanium

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