

RUMEX



rumex new instruments
rumex reusable instruments
rumex diamond knives
rumex disposable instruments
rumex vitreoretinal instruments
rumex featured sets

2021

**OPHTHALMIC INSTRUMENTS
+ IOLs & Consumables**

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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

RUMEX INTERNATIONAL CO. NOW

Over **2000 products** in portfolio



REUSABLE AND
SINGLE-USE



ANTERIOR AND
POSTERIOR



INSTRUMENTS, IOLS
AND CONSUMABLES



OPHTHALMIC AND
CARDIO PRODUCTS

World quality certificates



More than **100 distributors**
worldwide in **over 100 countries**

RUMEX INSTRUMENTS' ADVANTAGES AND HIGHLIGHTS

SCISSORS, PRECHOPPERS

UP TO 10,000 CUTS



MICS AND VITREORETINAL INSTRUMENTS



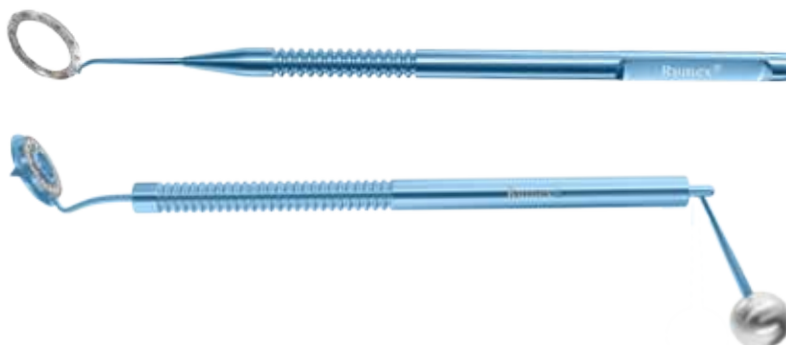
GENTLE AND PRECISE

EASY CLEANING

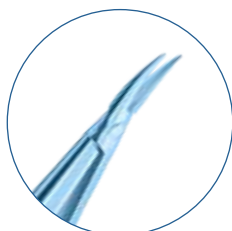
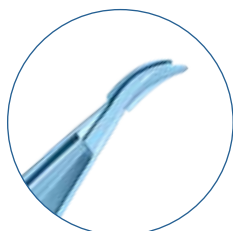
CALIPERS, GAUGES AND MARKERS

EFFORTLESS AND
ACCURATE MARKING

SHARPLY DEFINED
SCALES



NEEDLE HOLDERS



SPECIAL COATING FOR
SECURE GRIPPING

NO NEEDLE GRABBING

HOW TO PLACE AN ORDER

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

Pricing

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

Shipping

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

WARRANTY, RETURNS AND REPLACEMENTS

Warranty conditions

For all instruments, RUMEX provides a lifetime warranty against any manufacturing or material defects. After carrying out a due expert analysis, if the defect was not caused by the improper handling or misuse, we will provide you either a 100 % compensation or a free of charge exchange of a defective instrument for a new one. In some cases when instruments are improperly used or mishandled this may lead to occurrence of non-manufacturing defects which are not covered by RUMEX lifetime warranty. To avoid such cases please read carefully and always follow our Sterilization and care instructions (see pp. 182-189 of this Catalog) 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 conditions. Any instrument returned within 30–60 days after shipment is subject to 10% restocking charge. No returns are accepted after 60 days.

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

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

+1 727 535 9600 (for USA, Canada)

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

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

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

Repairs

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

**MOST
POPULAR**

Best-selling item

POPULAR

Item preferred by many customers

NEW

Recently introduced into the product range of RUMEX International Co.

**COMING
SOON**

This item will be available in RUMEX range soon (as of Fall 2020)



Disposable instruments



Available in a single-use edition



Available in Stainless Steel



Featured instrument in the set on page 100

**DON'T FORGET
TO BUY**

Frequently bought together



Quantity in the box

IOLs, DISPOSABLE INSTRUMENTS, AND CONSUMABLES

IOL IMPLANTATION SOLUTIONS WITH RUMEX	12
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IOL IMPLANTATION WITH RUMEX

STEP 1.

CHOOSE THE IOL AND DELIVERY SYSTEM

PRELOADED IOL+DELIVERY SYSTEM

OR

NON-PRELOADED IOLS



**AquaFree
Yellow
Aspheric**

**Hydro-Sense
Yellow**

Hydro-Sense

Hydro-4

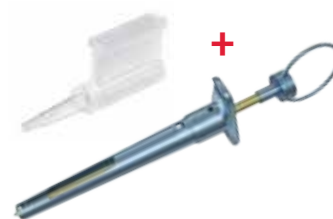


**AquaFree Yellow Aspheric
Preloaded**

FEATURES:

- Fast injection
- Single-use option

DELIVERY SYSTEM



OR



**Single-use cartridge
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



*Not available in the US

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

IOLs

**MOST
POPULAR**

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

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
- Cryo-lathing method of manufacturing – no glistening

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



*Not available in the US

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

IOLs

**MOST
POPULAR**

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	
		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]	
Optimized optical constants			
Filtration	UV	UV	UV and blue light
AC-depth		4.65	

FEATURES

- Material (copolymer of hydrophilic monomers) – high level of biocompatibility
- 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
- Cryo-lathing method of manufacturing – no glistening
- 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



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

DON'T FORGET TO BUY

Disposable IOL injection system

MEDICEL

VISCOJECT™ Eco

VE2200*



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

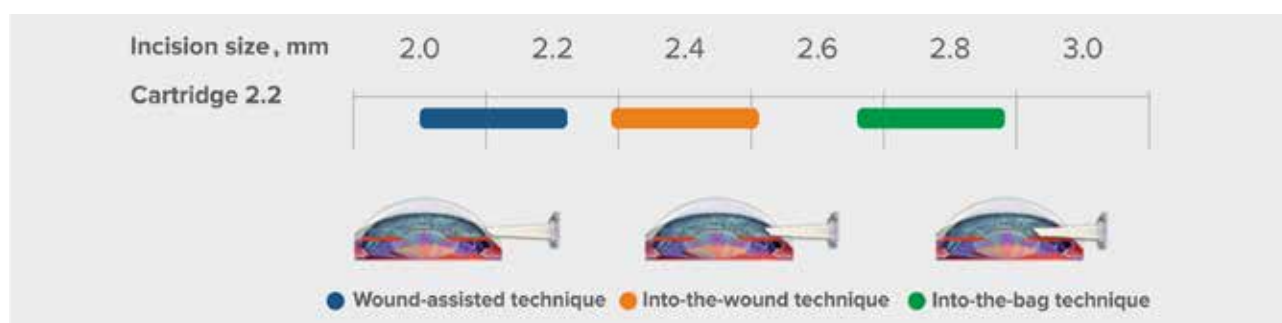


fig.1

Disposable cartridges for IOL injector

Disposable cartridges are to be used with Reusable IOL Injector **16-2853** for acrylic single-piece IOLs

CAT-22 for 2.2 mm incision

CAT-24 for 2.4 mm incision

CAT-27 for 2.7 mm incision



STERILE



NEW

*Not available in the US

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

OVDs

SUPREME*
Ophthalmic Viscosurgical Device

MOST
POPULAR

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

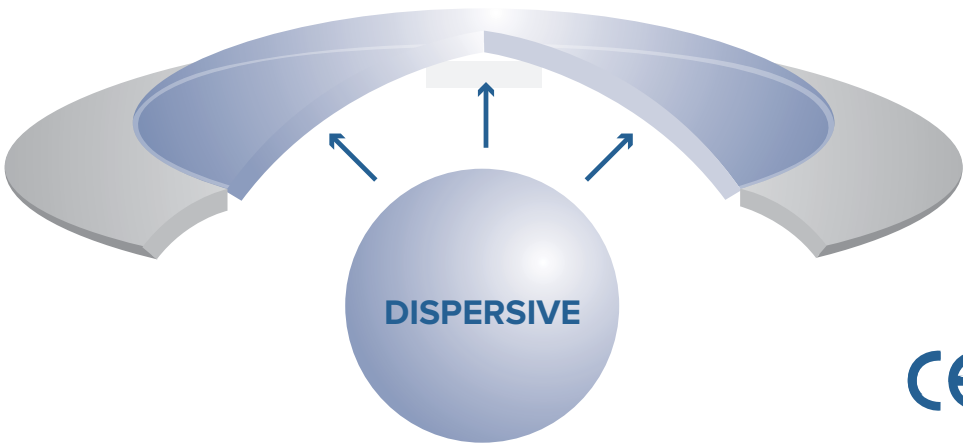
Advantages

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

Dispersive Solution

Supreme is used to:

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



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

SMARTVISC / SMARTVISC PLUS^{*}

Ophthalmic Viscosurgical Device

**MOST
POPULAR**

SmartVisc is a cohesive, sterile, highly purified, non-inflammatory, sodium hyaluronate viscoelastic solution with high molecular weight. It is used to create space, for example, when the anterior chamber is shallow, or when the surgeon requires a higher pressure in the anterior chamber compared to the pressure in the posterior chamber.

	SmartVisc	SmartVisc PLUS
Classification	Cohesive	
Composition	Sodium Hyaluronate 1.6 %	Sodium Hyaluronate 3.0 %
Molecular weight	1.2–2.0 m Da	1.0–1.8 m Da
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	

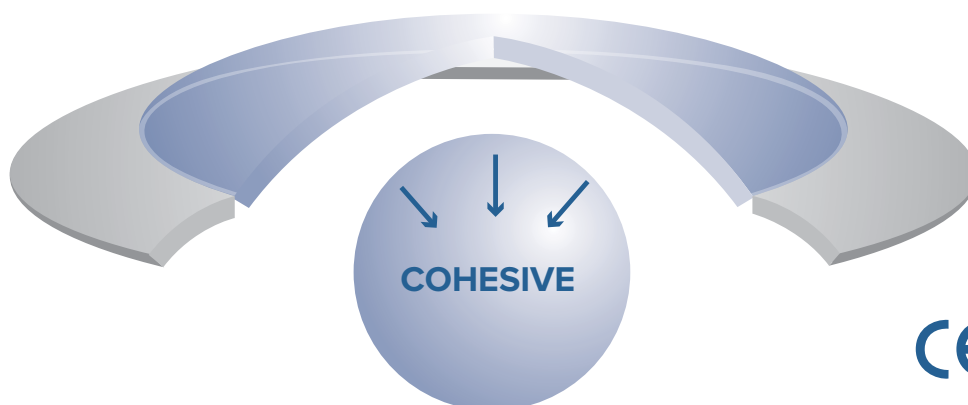
Advantages

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

Cohesive Solution

SmartVisc is used to:

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



^{*}Not available in the US

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

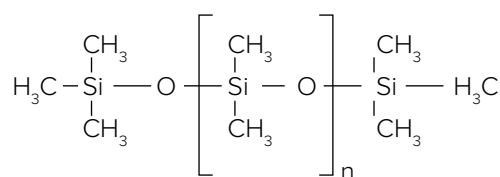


- Maximum interfacial tension and minimum interactions between tissues, cells and endo-tamponades media
- Optimal combination of specific gravity, refractive index and surface tension
- The choice of viscosity for a balance between easy injection and a stable temporary tamponade

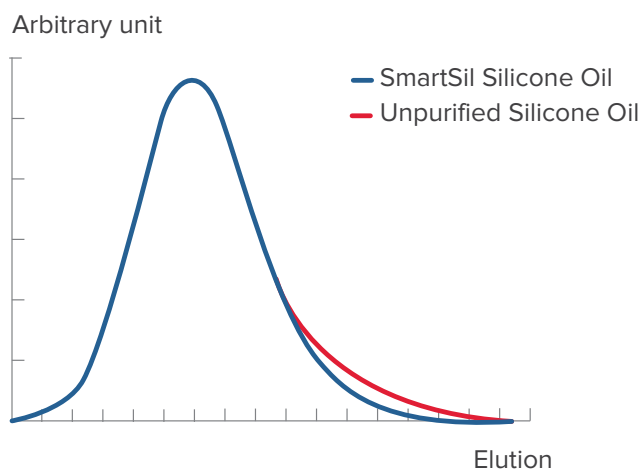
Physico-chemical properties

Interfacial tension	≥ 40 mNm ⁻¹ at 37°C
Density	0.97
Viscosity	1000/5000 cSt
Refractive index	1.40
Volatility	< 1%
Polydispersity	< 2.80
Volume of oil	10 ml
Syringe	20 ml
Shelf Life	3 years

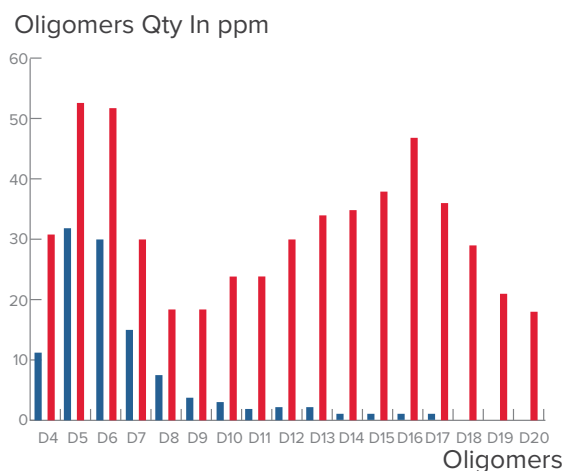
Formula: Polydimethylsiloxane



GPC



GC



Purification

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

Post-purification controls

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

Indication

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

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

Sterilization

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

Packaging

Syringes are supplied sterile under double pouch

*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.

VITREORETINAL
p.178-180



Surgical System

Reusable

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

STERILE

2 5 PER BOX



Viscous Fluid Injection Cannula

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

VITREORETINAL
p.178-180

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

IRIS RETRACTORS*

**MOST
POPULAR**

Reusable Iris Retractor

Retractors in PTFE container
Autoclavable, Sterile

10-5127	1 pack of 6 pcs
---------	-----------------



**MOST
POPULAR**

Disposable Iris Retractors

Sterile

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



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 for sale in Europe

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

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

DISPOSABLE KNIVES*

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

ALL KNIVES ARE EQUIPPED WITH SAFETY LIDS

MOST POPULAR

Side Port Knives

Initial stab incisions

Sterile, Box of 6

SP-15	1.00 mm, 15°, Straight, Double Bevel
SP-30	1.00 mm, 30°, Straight, Double Bevel
SP-45	1.00 mm, 45°, Straight, Double Bevel



Paracentesis Knives

Paracentesis incisions/side-port incisions

Sterile, Box of 6

PK-11	1.10 mm, Angled, Double Bevel
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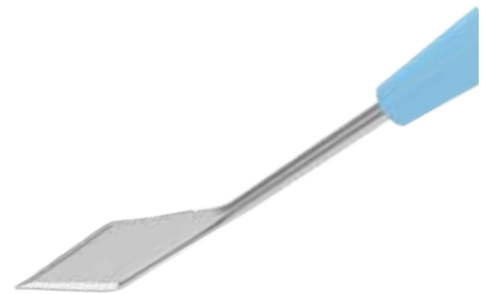
MOST POPULAR

Slit Knives

Scleral tunnel incisions

Sterile, Box of 6

SL-22	2.20 mm, Angled, Single Bevel
SL-24	2.40 mm, Angled, Single Bevel
SL-26	2.65 mm, Angled, Single Bevel
SL-27	2.75 mm, Angled, Single Bevel
SL-28	2.80 mm, Angled, Single Bevel
SL-32	3.20 mm, Angled, Single Bevel



MOST POPULAR

Crescent Knives

Lamellar dissections/scleral tunnel, flap formation

Sterile, Box of 6

CR-20	2.00 mm, Angled, Single Bevel
-------	-------------------------------



*Other sizes are available upon request.

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

Trapezoidal Knives

Tunnel incisions

Sterile, Box of 6

TR-10	1.20-1.40 mm, Angled, Single Bevel
TR-17	1.50-1.70 mm, Angled, Single Bevel

MOST **POPULAR**

Clear Corneal Knives

Clear Corneal incisions

Sterile, Box of 6

CC-22	2.20 mm, Angled, Double Bevel
CC-24	2.40 mm, Angled, Double Bevel
CC-26	2.65 mm, Angled, Double Bevel
CC-27	2.75 mm, Angled, Double Bevel
CC-30	3.00 mm, Angled, Double Bevel

POPULAR

Clear Corneal Knives with Depth Indicators

Tunnel incisions

Sterile, Box of 6

CCD-22	2.20 mm, Angled, Double Bevel
CCD-24	2.40 mm, Angled, Double Bevel
CCD-26	2.65 mm, Angled, Double Bevel
CCD-27	2.75 mm, Angled, Double Bevel

POPULAR

Pre-Set Knives

Groove making/limbal relaxing incisions

Sterile, Box of 6

PD-60	600 µm Depth, Multifacet
-------	--------------------------

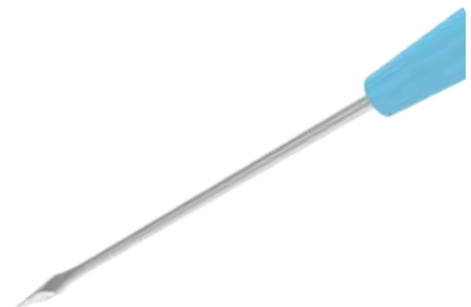
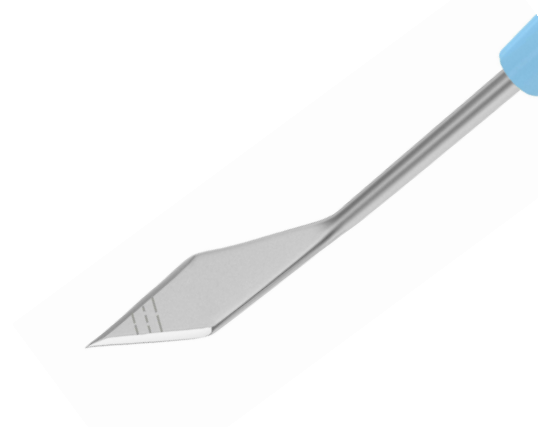
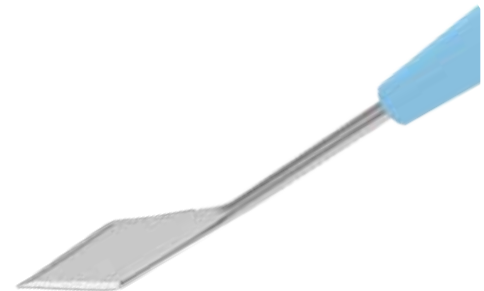
MOST **POPULAR**

MVR Knives

Posterior segment penetration/side port incisions

Sterile, Box of 6

VRS-19	19 Ga, S traight, Multifacet
VRS-20	20 Ga, Straight, Multifacet
VRS-23	23 Ga, Straight, Multifacet
VRA-19	19 Ga, Angled, Multifacet
VRA-20	20 Ga, Angled, Multifacet
VRA-23	23 Ga, Angled, Multifacet



DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT

SS

STERILE

2

6

POPULAR

Speculum

Barraquer Wire Speculum

Overall length 40 mm
Sterile, Box of 6

14-022D

FEMTOCATARACT
p.154

Spatula

Spatula for Femtosecond Laser Procedure

Overall length 120 mm
Sterile, Box of 6

20-204D



Forceps

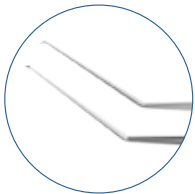
Overall length 104 mm
Sterile, Box of 6

POPULAR

Utrata Capsulorhexis Forceps

Cystotome Tips
Straight

4-0311D

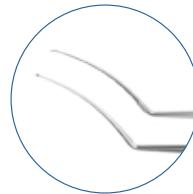


POPULAR

Utrata Capsulorhexis Forceps

Cystotome Tips
Curved

4-0331D



POPULAR

Castroviejo Suturing Forceps

0.12 mm

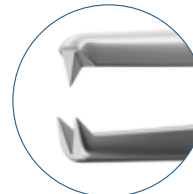
4-0600D



Bonn-Catalano Corneal Forceps

0.12 mm

4-0551D

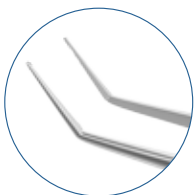


POPULAR

McPherson Tying Forceps

Angled

4-174D

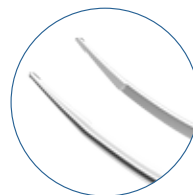


POPULAR

McPherson Tying Forceps

Curved

4-177D



Manipulators

Overall length 120 mm
Sterile, Box of 6



Sinskey Hook
Angled
5-032D



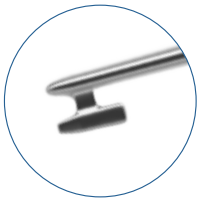
POPULAR
Rosen Phaco Chopper
Universal
7-065D



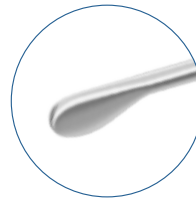
Lester Lens Manipulator
Angled
5-0331D



POPULAR
Nagahara Phaco Chopper
RHD
7-063D



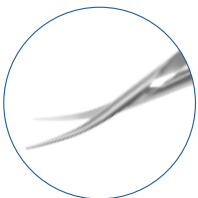
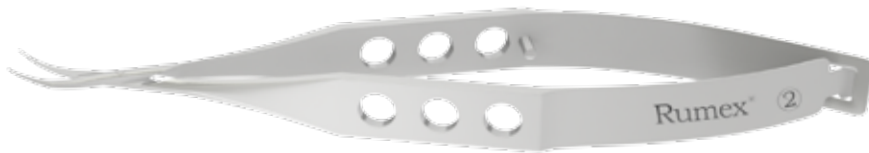
Kuglen Iris Hook
Angled
5-030D



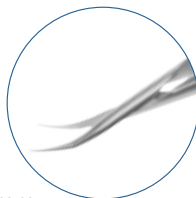
Drysdale Nucleus Manipulator
Universal
7-093D

Scissors

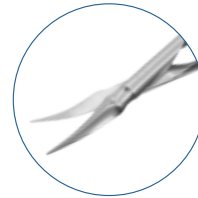
Sterile, Box of 6



POPULAR
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



DISPOSABLE INSTRUMENTS FOR POSTERIOR SEGMENT*

SS

STERILE

2

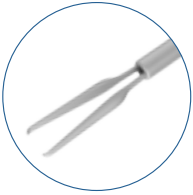
6



MOST POPULAR

Eckardt End-Gripping Forceps

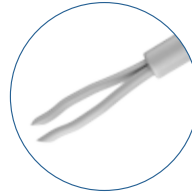
12-410-23D 23 Ga
12-410-25D 25 Ga



POPULAR

Asymmetrical End-Grasping Forceps

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



MOST POPULAR

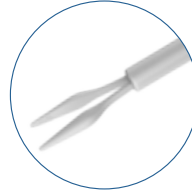
Gripping Forceps with a "crocodile platform"

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



Gripping Forceps with a sandblasted platform

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



MOST POPULAR

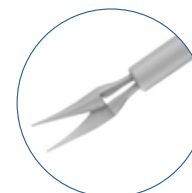
Pick Forceps

12-325-23D 23 Ga
12-325-25D 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 FOR POSTERIOR SEGMENT*

NEW

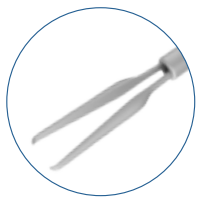
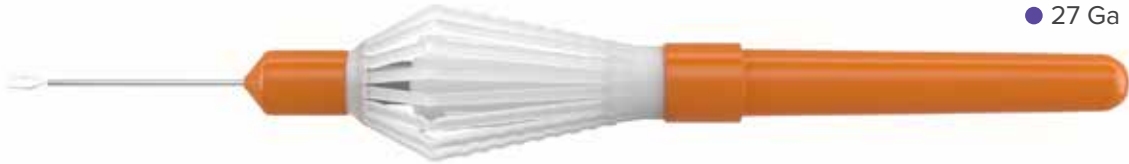
STERILE

2

6 per box

The unique 360-degree handle designed to actuate the instrument from whatever position it falls in your hand or in the eye what enhances the utility of the instrument.

- 23 Ga
- 25 Ga
- 27 Ga



Eckardt End-Gripping Forceps

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

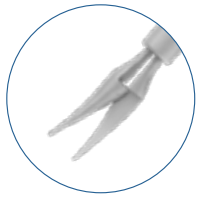
VITREORETINAL
p.178-180



Gripping Forceps with a "Crocodile Platform"

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

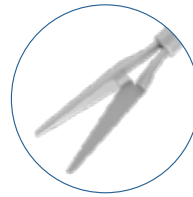
VITREORETINAL
p.178-180



Curved Scissors

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

VITREORETINAL
p.178-180



Straight Scissors

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



Vertical Scissors

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

VITREORETINAL
p.178-180

DISPOSABLE DIAMOND DUSTED RETRACTABLE ILM ELEVATOR**

NEW

STERILE

2

5 per box

Used to elevate membrane edge during vitreoretinal surgery

Diamond dusted soft silicone tip provides an extreme grip

Retractable version for easy insertion through the trocar valves

VITREORETINAL
p.178-180



12-7523	23 Ga
12-7525	25 Ga



*Not for sale in the USA and Europe

**Not for sale in Europe

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

MANI SUTURES*

STERILE



10-0 Nylon Black Mono Sutures

For Scleracornea
Trape Spatula Needle
12 per box

22-R1404

Suture length 30 cm, Needle length 5.50 mm, 7/16 (158°) Curve

POPULAR

22-R1410

Suture length 30 cm, Needle length 7 mm, 1/2 (180°) Curve

22-R2002

Suture length 30 cm, Needle length 6.50 mm, 3/8 (135°) Curve

MOST

POPULAR

22-R1404S

Suture length 15 cm, Needle length 5.50 mm, 7/16 (158°) Curve



22-R1404

22-R1410

22-R2002



22-R1404S

5-0 Polyester Sutures

For Operations on Vitreous
Suture length: 45 cm
Needle length: 8 mm
Curve: 1/4 (90°)
12 per box

22-R3373

Green Braided, Dia Spatula Needle

POPULAR

22-R3377

White Braided, Trape Spatula Needle



22-R3373



22-R3377

6-0 Silk Black Braided Sutures

Curve: 3/8 (135°)
Suture length: 45 cm
12 per box

POPULAR

For Skin and Ocular Muscles

22-R3305

Reverse Cut Needle of 11 mm

For Sclera and Ocular Muscles

22-R2801

Trape Spatula Needle of 6.50 mm



22-R3305



22-R2801

8-0 PGA Absorbable Violet Braided Sutures

For Sclera and Conjunctiva
Curve: 3/8 (135°)
Suture length: 30 cm
12 per box

22-R2090

Trape Spatula Needle of 6.50 mm

*For sale in the USA only

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



22-R2090

DISPOSABLE CANNULAS

DISPOSABLE CANNULAS GAUGE CONVERSION CHART

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

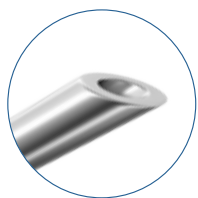
DISPOSABLE CANNULAS*

STERILE

2

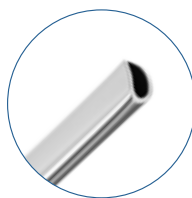
ANESTHESIA CANNULAS

For injecting anesthetic agents into the muscle cone.

10
PER
BOX

Atkinson
Retrobulbar Needle

21-R1125 25 Ga × 38 mm



Sub-Tenon's
Anesthesia Cannula

21-R1320 20 Ga × 25 mm

POPULAR

10
PER
BOX

ANTERIOR CHAMBER CANNULAS

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

10
PER
BOX

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
POPULAR5
PER
BOX

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

For injecting viscoelastic to all meridians of the anterior chamber and for coating the intraocular lens.

MOST
POPULAR

Angled 32°, 9 mm angled tip

21-R2225 25 Ga × 22 mm
21-R2227 27 Ga × 22 mm

MOST
POPULAR

Angled 32°, 10 mm angled tip

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

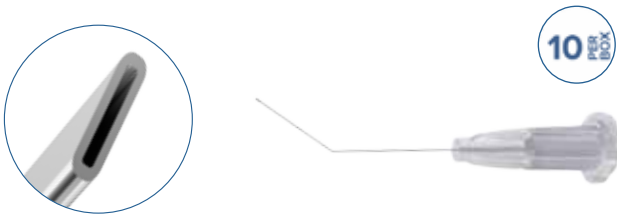
10
PER
BOX

*not for sale 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 in order to free the adhesions of the cataract from the capsular bag and allow it to rotate fully.



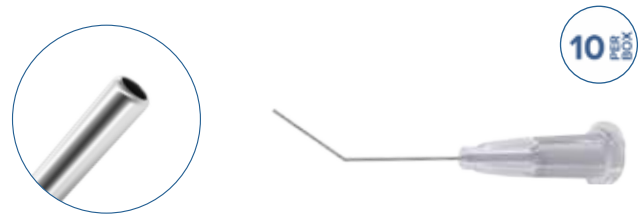
Pearce
Hydrodissector

**MOST
POPULAR**

Angled 32°, Spatulated tip

8 mm angled tip
21-R4025 25 Ga × 22 mm

10 mm angled tip
21-R4027 27 Ga × 22 mm



Hydrodissector

POPULAR

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

21-R4427 27 Ga × 22 mm

CORTEX REMOVAL CANNULAS

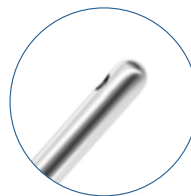
Used to remove cortical material during phacoemulsification.

Simcoe

Cortex Extractor

0.30 mm side-port

21-R5023 23 Ga × 22 mm



CYSTOTOME CANNULAS

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

Irrigating Cystotome

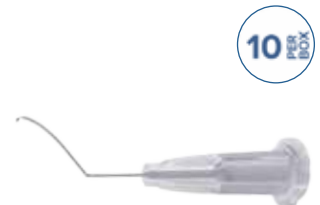
Small radius. For capsulotomy
on deep-set eyes or small pupils.

21-R3330 30 Ga × 16 mm

Pearce

Irrigating Cystotome

21-R3027 27 Ga × 16 mm



*Not for sale 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

7 mm formed tip

Smooth angle curvature allows for safe flap alignment

21-R7430 25 Ga × 25 mm



10
PER
BOX

LACRIMAL CANNULAS AND SETS

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

DCR and intubation sets



POPULAR

3
PER
BOX

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



3
PER
BOX

DCR Set

Silicone tubing 30 cm

Tubing dimensions 0.50 mm × 0.95 mm

Stainless Steel probes

21-R7011 20 Ga × 45 mm probe, Straight

21-R7012 20 Ga × 45 mm probe, Angled (shown)



Retrieval Device



3
PER
BOX

Lacrimal Intubation Set

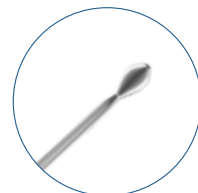
Olive tip

Silicone tubing 35 cm

Stainless Steel probes

21-R7004 27 Ga × 11 cm probe

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



**MOST
POPULAR**



**MOST
POPULAR**

3
PER
BOX

Lacrimal Intubation Tubing

Silicone tubing 30 cm

ID – 0.30 mm

OD – 0.60 mm

21-R7002

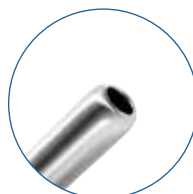
Lacrimal Cannulas

21-R7021 21 Ga × 33 mm

21-R7026 26 Ga × 28 mm

**MOST
POPULAR**

10
PER
BOX



10
PER
BOX

*Not for sale 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

Item preferred by many customers

NEW

Recently introduced into the product range of RUMEX International Co.

**COMING
SOON**

This item will be available in RUMEX range soon (as of Fall 2020)



Disposable instruments



Available in a single-use edition



Available in Stainless Steel



Featured instrument in the set on page 100

**DON'T FORGET
TO BUY**

Frequently bought together



Quantity in the box

NEW INSTRUMENTS

NEW

33

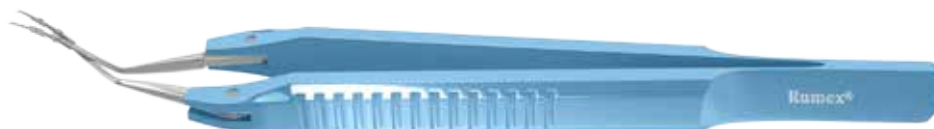
REUSABLE ANTERIOR INSTRUMENTS

FEATURED	39
BLADE HOLDERS	46
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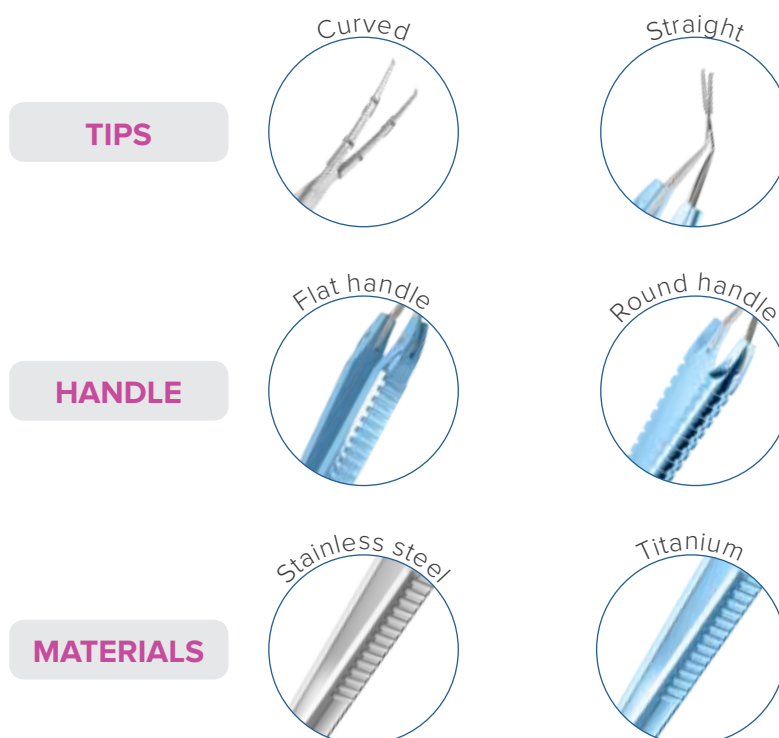
NEW**Cross-Action Capsulorhexis Forceps**

Cataract Surgery

Cross-action instruments are very popular among ophthalmologists, as they allow to perform micro-invasive surgeries.



RUMEX developed a range of cross-action capsulorhexis forceps in the most popular length – 110 mm, with a variety of tips, handle designs and materials.



You may choose any option of your preference:

HANDLES

Flat	Ti
Round	Ti
Flat	STSS

CURVED TIPS

4-0395	4-0395T
4-0394	planned
4-0395S	planned

STRAIGHT TIPS

4-0396	planned
planned	planned
planned	planned

Cross-Action Capsulorhexis Forceps with Scale

For 1.50 mm incisions

Jaws 8.50 mm

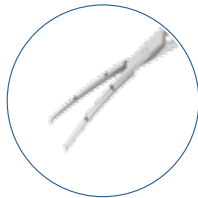
Scale of 2.50 mm and 5.00 mm from the tip

Overall length 110 mm

Cystotome tips

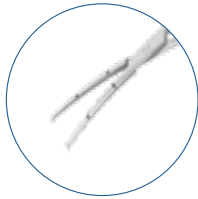


4-0395



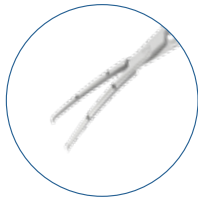
Curved Stainless Steel Jaws,
Flat Titanium Handle

4-0394



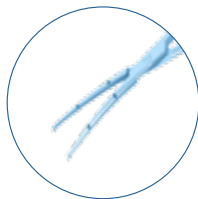
Curved Stainless Steel Jaws,
Round Titanium Handle

4-0395S



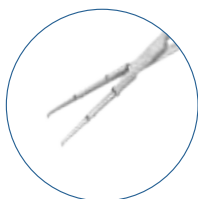
Curved Stainless Steel Jaws,
Flat Stainless Steel Handle

4-0395T



Curved Titanium Jaws,
Flat Titanium Handle

4-0396



Straight Stainless Steel Jaws,
Flat Titanium Handle

4-033S

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

**COMING
SOON**

2 engravings at 2.50 and 5.00 mm for precise measurement of capsulorhexis.

Cystotome Tips
Micro-Thin Jaws
Flat Handle
Overall length 105 mm
Stainless Steel

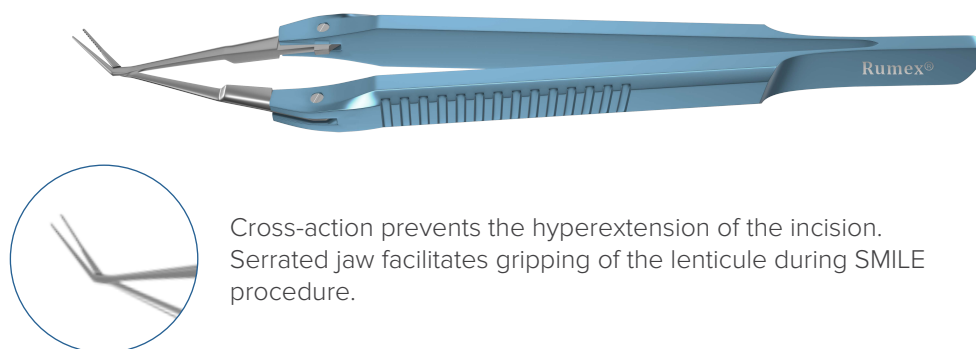


Micro-thin jaws contribute to free movements in the anterior chamber. Sharp and delicate cystotome tips allow to make the first pinch easily.

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



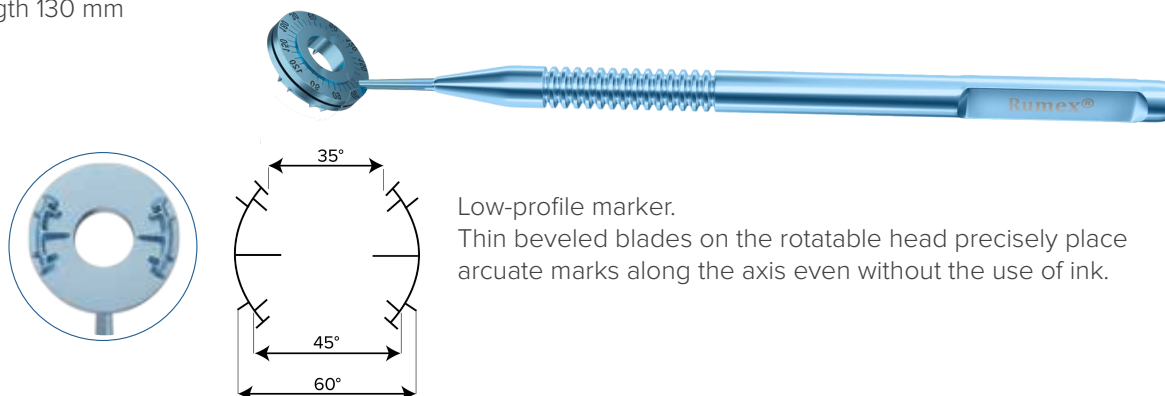
Used for implantation of toric ARTISAN® IOL. Specially designed jaws help to fixate the lens optic during the enclavation.

3-183T

LRI Marker

**COMING
SOON**

Intra-op 30, 45 and 60 degree marks
Overall length 130 mm
Titanium



3-204T

John DSAEK Double-Ended Marker

**COMING
SOON**

Marker 8.00/9.00 mm
Overall length 143 mm
Titanium



Used to mark recipient and donor cornea at 8 or 9 mm.
A circular mark on the recipient's cornea serves as a guiding mark for Descemetorhexis

7-149S

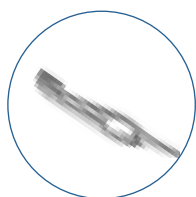
Escaf Prechopper

Straight
Round Handle
Overall length 118 mm
Stainless Steel

Used to complete breakdown after Femtosecond or Ultrachopper and fracture cataract with hardness less than 4+. Tolerates capsulorhexis smaller than 5 mm in diameter without injuring the capsule edges. Fits through a 2 mm micro incision.



Designed
in cooperation with
Dr. Luis Escaf MD,
Colombia



The tip is truncated so as not to hurt the edge of capsulorhexis when it is small.

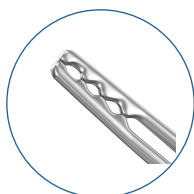


4-254S**Lambright-Abdullayev Ultrathin DSAEK Grasping/
Inserting Forceps****COMING
SOON**

Overall length 105 mm
Stainless Steel



Designed
in cooperation with
Eric Abdullayev,
MD, CEBT, USA



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 non-slip 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

**16-2853****Injector for Acrylic IOLs, for One-Handed
Implantation, NaviJect™ with a Ring Handle**

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

To be used with **IOL cartridges CAT-22, CAT-24, CAT-27**

Overall length 136 mm
Titanium



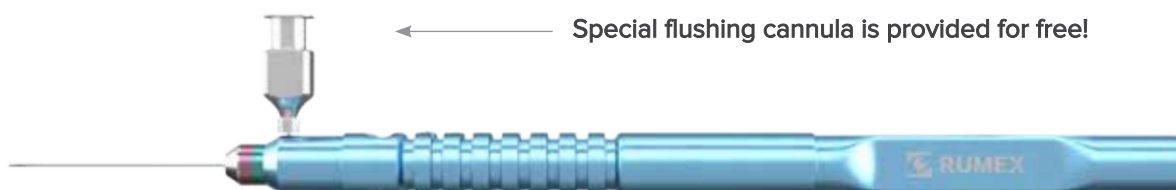
ONE-PIECE VITREORETINAL INSTRUMENTS WITH RUMEX FLUSHING SYSTEM



We are ready to announce a release of new one-piece vitreoretinal instruments with innovative RUMEX Flushing system!

See full range of new instruments with RUMEX Flushing System on page 147.

- 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

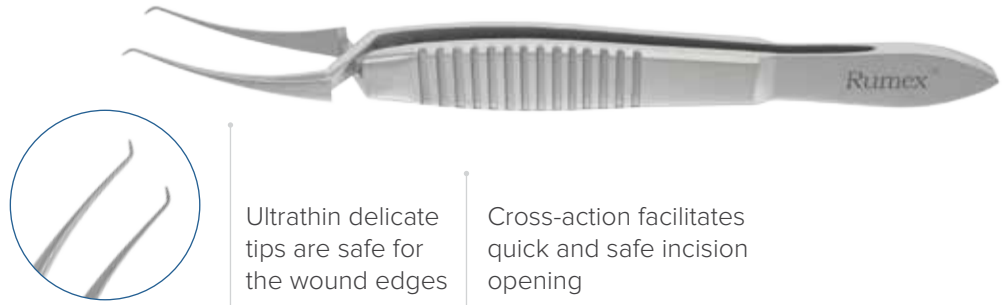
Sterilization and care manual for one-piece vitreoretinal instruments with RUMEX flushing system is on page 184.

FEATURED INSTRUMENTS FOR FEMTOCATARACT

4-0582S

Forceps for Femtosecond Laser Cataract Procedure

Flat handle
Overall length 108 mm
Stainless Steel



7-1166S

Yeoh Femtosecond Prechopper

Blunt atraumatic tips are ideal for complete nucleus separation during Femtosecond Laser Cataract procedure.

Round handle
Overall length 120 mm
Stainless Steel

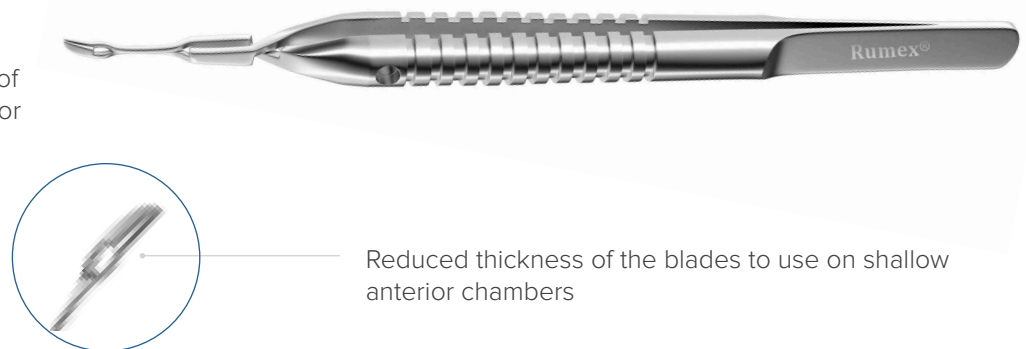


7-1167S

Crozafon Prechopper

Provides easy releasing of entrapped gas bubbles for safer hydrodissection

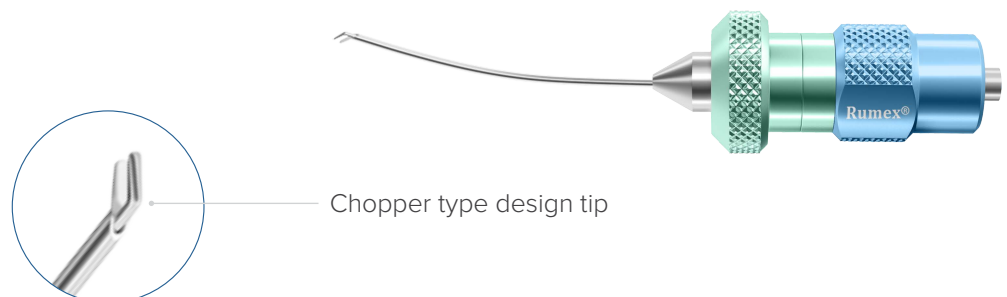
Round handle
Overall length 118 mm
Stainless Steel



7-143*

Slade/Terao Nucleus Splitter

Used to crack the femtochopped nucleus



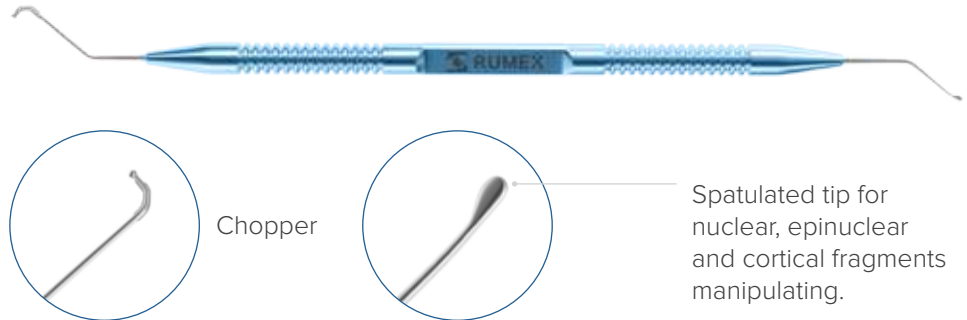
*Tip only. Handles are sold separately

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

13-181 Uy Laser Lens Fragmentation Combo Manipulator

Double-ended instrument for Femtosecond Cataract procedure.

Titanium handle
Overall length 131 mm



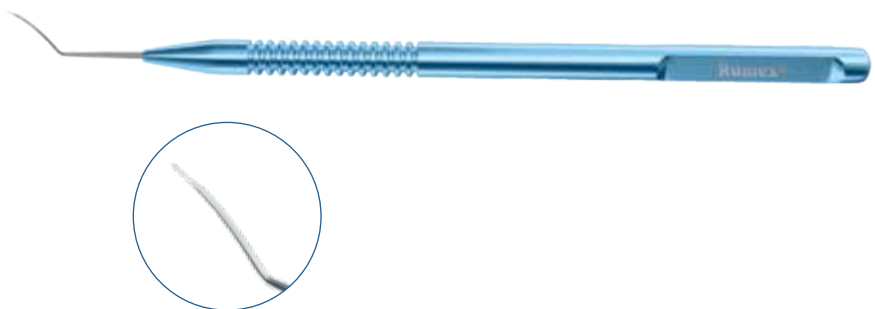
20-204 Spatula for Femtosecond Laser Procedure

20-204D
2

This delicate instrument is used for opening cataract incision created by Femtosecond Laser system.

Specially designed for Alcon LenSx® Laser. Also compatible with incisions made by VICTUS™ Femtosecond Laser Platform (Bausch & Lomb).

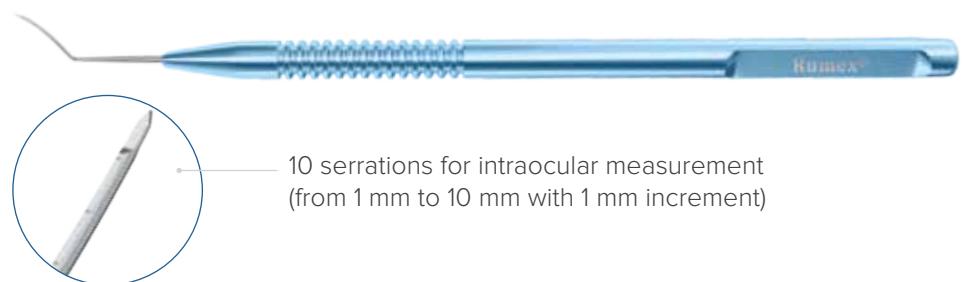
1.40 mm length flat tip
Titanium handle
Overall length 120 mm



20-2041 Donnenfeld Femto Spatula

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

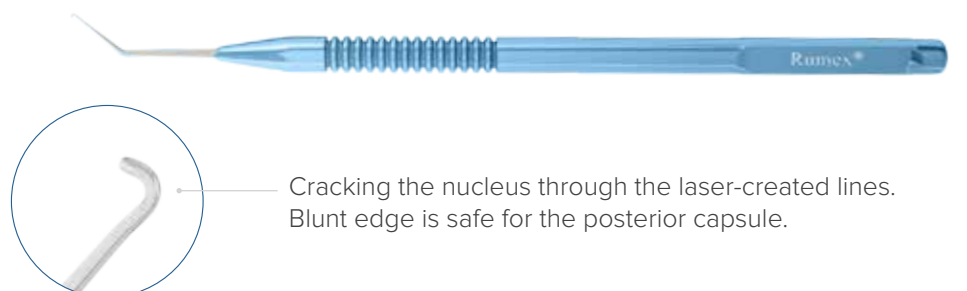
Titanium handle
Overall length 122 mm



7-145 Nagy Femtosecond Chopper

Used for Femtosecond Laser-Assisted Cataract surgery.

Titanium handle
Overall length 122 mm



14-052T**Slade-Murdoch Speculum**

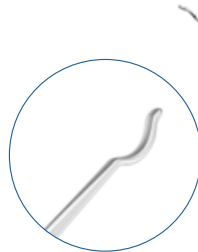
Parallel retraction design.
Open 14 mm blades. Quick installation and
removal due to self-locking mechanism.

Specially curved blades facilitate laser
docking without increasing external
pressure.

Titanium
Overall length 51 mm

**7-146****Donnenfeld Femto Splitter**

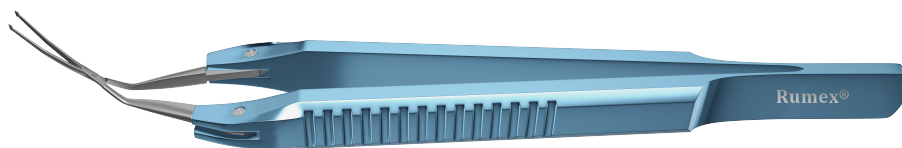
For splitting the nucleus
Angled shaft
Curved tip
Titanium handle
Overall length 121 mm



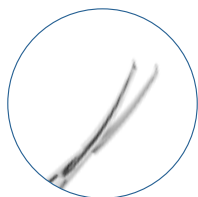
FEATURED INSTRUMENTS FOR CORNEA

4-251 Cross-Action DMEK Forceps

Delicate tips to fit through a 1.80 mm incision
Overall length 110 mm

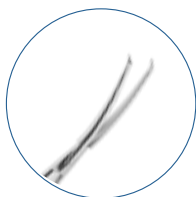


Reversed tips are used to peel off the Descemet's membrane through a 1.80 mm incision



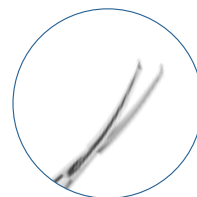
4-251

Flat Titanium handle



4-262

Round Titanium handle



4-262S

Flat Stainless Steel handle

4-246S Florakis Endothelial Forceps

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

Flat handle
Overall length 103 mm
Stainless Steel



Reversed tips, angled 75°

4-247* Florakis Microinvasive Endothelial Forceps*

23 Ga

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



4-240 Guell DMEK Forceps

Highly polished broad tips allow you to peel the endothelial membrane safely without risk of tearing.

Flat handle
Overall length 103 mm
Stainless Steel



*Tip only. Handles are sold separately.

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

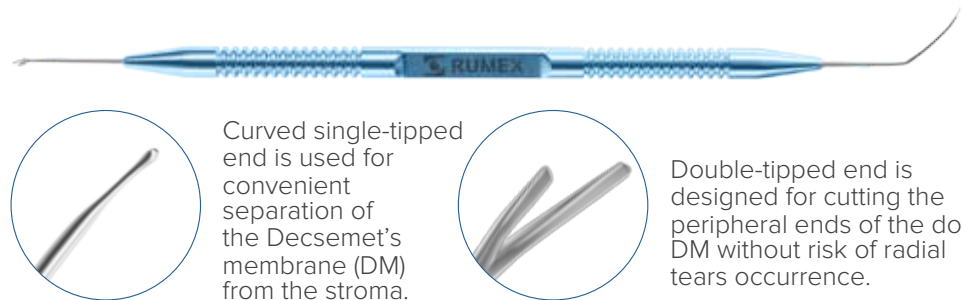
**11-134
RIGHT****11-135
LEFT****Holland Spatulated DALK Scissors**

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

Flat handle
Overall length 100 mm
Stainless Steel

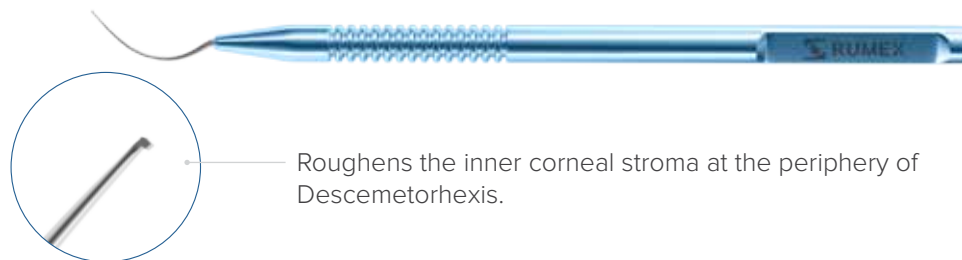
**13-185****Tan Marginal DMEK Dissector**

Titanium handle
Overall length 132 mm

**13-182****John Dexatome DMEK/ DSAEK Spatula**

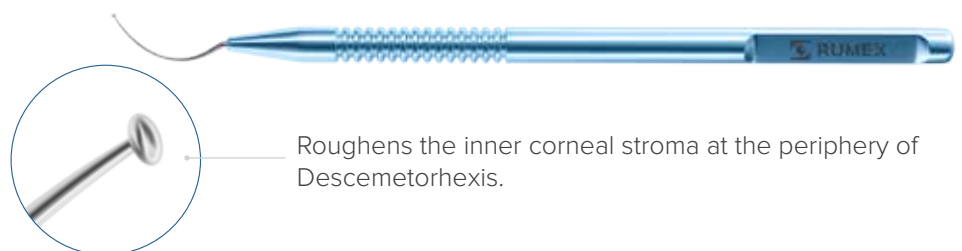
Spatula is used for removal of the Descemet's membrane as a single disc

Strongly vaulted shaft
Titanium handle
Overall length 119 mm

**13-183****John DSAEK Stromal Scrubber**

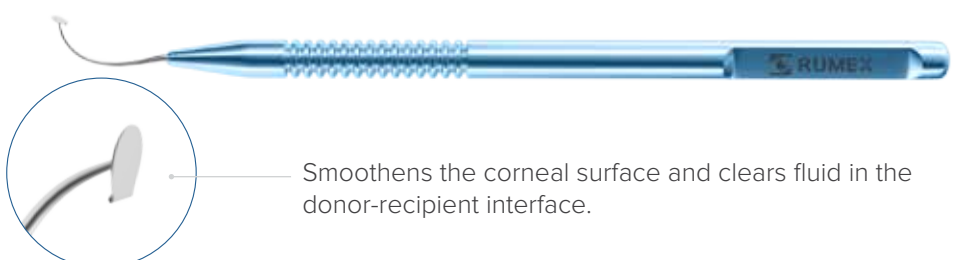
Minimizes the risk of disk detachment after DSAEK

Titanium handle
Overall length 120 mm

**13-184****John DSAEK Glider**

Used for donor disk gliding

Titanium handle
Overall length 114 mm



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

FEATURED INSTRUMENTS FOR SMILE

20-207

Stodulka ReLEx Smile Double Lenticule Spatula

Designed in cooperation with
Pavel Stodulka, M.D., Czech Republic

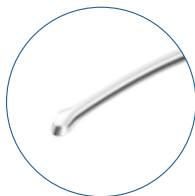
Blunt spoon and flat spatula

Double-ended spatula

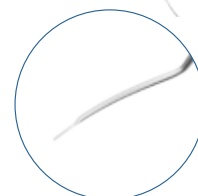
Titanium handle

Overall length 140 mm

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



Spatula on this side of the instrument is used to identify and open the intrastromal pocket


20-2071

ReLEX SMILE Spatula

Designed in cooperation with
Pavel Stodulka, M.D., Czech Republic

Double-ended spatula

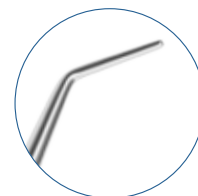
Titanium handle

Overall length 139 mm

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



Flat shortened spatula


4-2012S

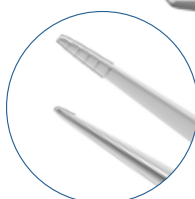
Forceps for Small-Incision Lenticule Extraction

Angled

Flat handle

Overall length 100 mm

Stainless Steel



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.

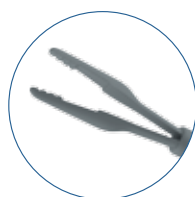

4-034*

Forceps for Corneal Endothelium Implantation*

23 Ga

Compatible with Squeeze

Handle 12-003T



Can be used for grasping lenticule during ReLEx® SMILE

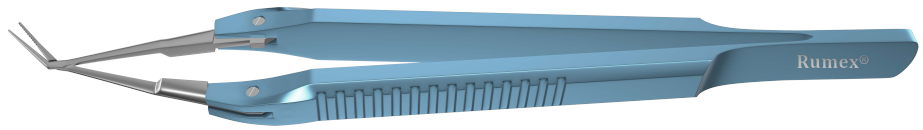
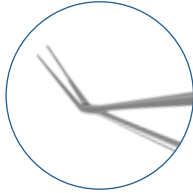


*Tip only. Handles are sold separately.

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

4-0398**Cross-Action SMILE Forceps**

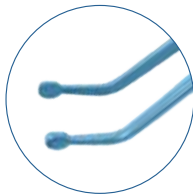
Flat handle
Overall length 120 mm



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

FEATURED INSTRUMENTS FOR MGD**4-1913T****Compressing Lid Forceps****MOST
POPULAR**

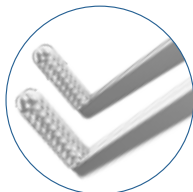
Curved
Flat handle
Overall length 112 mm
Titanium



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

4-124S**Compressing Lid Forceps
with Atraumatic Rollers****POPULAR**

Flat handle
Overall length 107 mm
Stainless Steel



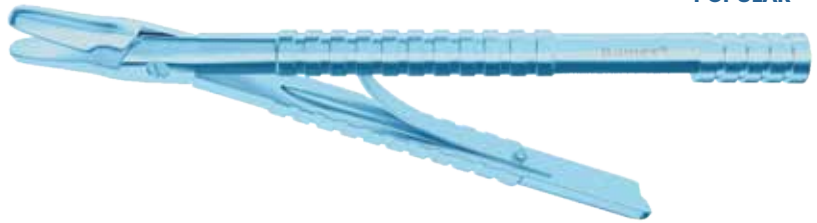
Designed for mechanical meibum removal.
Texturized rollers are safe for the conjunctiva. Quick and delicate meibum expression is achieved by even squeezing of the eyelid from its base to the margin.

BLADE HOLDERS

Blade Holder

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

1-010T



POPULAR

Bard Parker Handle

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

1-020T

1-020S



**MOST
POPULAR**

CALIPERS & GAUGES

CALIPERS & KERATOMETERS



MOST POPULAR

Castroviejo Caliper

Measures from 0 to 20 mm
Scale is engraved on both sides
Polished finish
Overall length 87 mm
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 increment marks
Overall length 75 mm
Stainless steel

2-062S 1.00-2.50 mm



MOST POPULAR

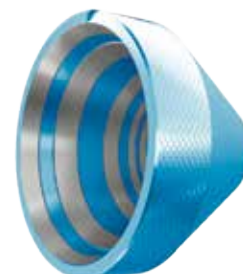
Braunstein Fixed Caliper

To make the mark for MVR blade entrance
and intravitreal injections

Marks the distance from limbus to sclera
3.50/3.00 mm for aphakic and 4.00/3.50 mm for
phakic eyes

Overall length 80 mm
Titanium or Stainless Steel

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



POPULAR

Maloney Intraoperative Keratometer

For qualitative measurement of astigmatism
Diameter 32 mm
Overall Length 23 mm

16-020T

GAUGES

Accurate axial alignment on the cornea

LRI Gauge

Limbal Relaxing Incision Gauge

Used to determine incision angles

Can be used with **3-090T Bores Axis Marker**

Calibrated every 10 degrees from 0° to 180°

With atraumatic fixation teeth

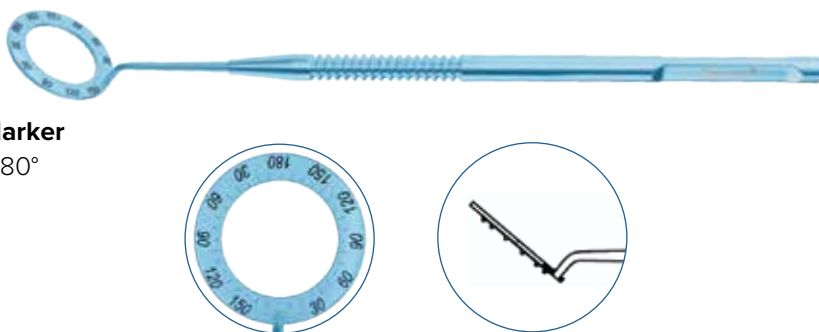
Dull finish

Overall length 134 mm

Titanium

2-031T

ID 13 mm/ ED 19 mm



Mendez

Degree Gauge

Used to determine incision angles

Can be used with **3-090T Bores Axis Marker**

Calibrated every 10 degrees from 0° to 180°

Dull finish

Titanium

ID 13.00 mm/ ED 19.00 mm
Overall length 134 mm

2-030T

2-030S
SS
POPULAR

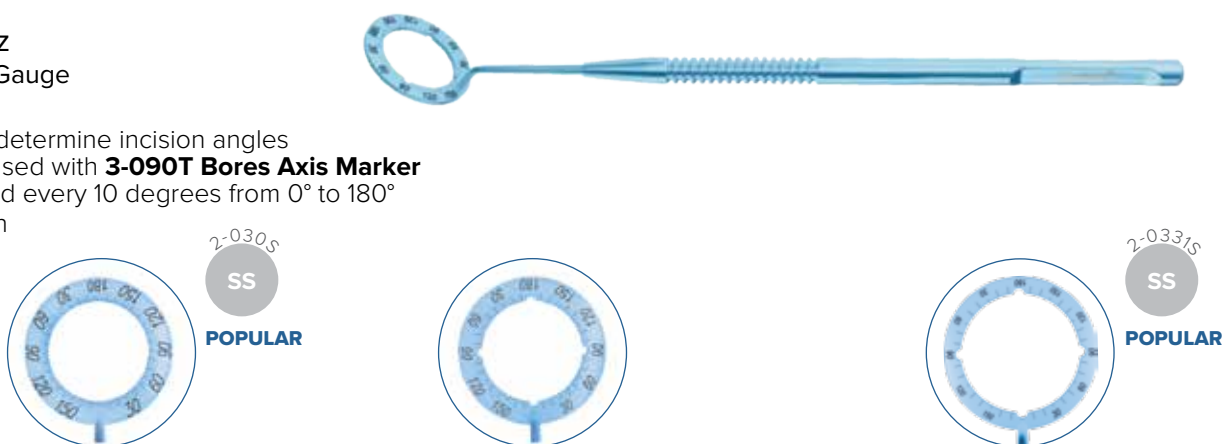
With 4 grooves for better marks
visualization
ID 13.00 mm/ ED 18.00 mm
Overall length 136 mm

2-033T

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

2-0331T

2-0331S
SS
POPULAR



Mendez

Grooved Fine Mendez Degree Gauge

Used to determine incision angles

Can be used with **3-091T Bores Axis Marker**

Calibrated every 5 degrees from 0° to 180°

With 4 grooves for better marks visualization

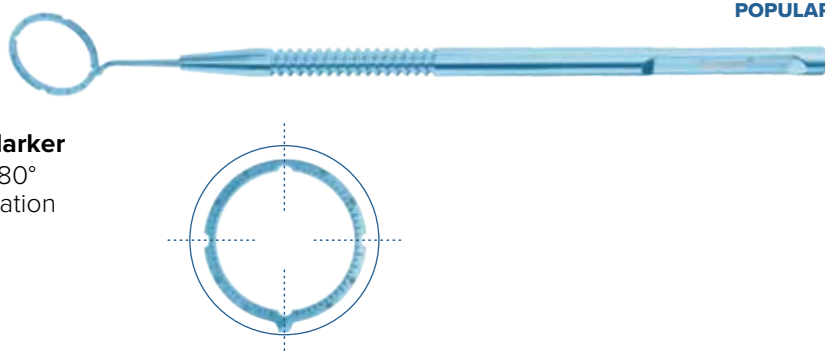
ID 12.00 mm /ED 14.00 mm

Dull finish

Overall length 133 mm

Titanium

2-034T



Degree Gauge with Beveled Face

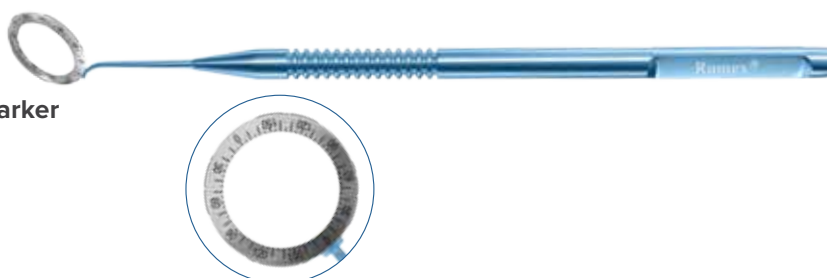
Can be used with **3-091T Bores Axis Marker**

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



POPULAR

3-090T

Used with gauges
2-030T, 2-031T,
2-033T, 2-0331T
to mark the axis
12 mm blades

3-091T

Used with gauges
2-034T, 2-036T
to mark the axis
11.5 mm blades

POPULAR

ECCE
p.160

PHACO
p.158

Whipple Capsulorhexis

Centration Marker

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

Double-ended with 5.50/6.00 mm diameter
Overall length 140 mm

3-040



r 5.50

r 6.00

CORNEAL TRANSPLANT MARKERS

CORNEAL
p.167

Corneal Transplant Marker

7 mm ring with 8 radial blades

With center pointer

Overall length 123 mm

Titanium

3-140T



3 - MARKERS

Osher-Neumann
Corneal Marker

Low profile
8 radial blades
Overall length 130 mm
Titanium
3-0304T



COMING
SOON

John DXEK/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		

Optical Zone Marker

Used to mark visual center for ICRS
implantation procedure
Double-ended
0.15 mm wide visual center marker
0.50 mm wide Sinsky hook
Overall length 141 mm

3-034



ICRS
p.166

Tunnel Zone Marker

Marking tunnel for future ring position
with initial lines for incisions
Internal diameter 4.00 mm
External diameter 6.00 mm
Creates 2.00 mm lines
40° angled to handle
Overall length 127 mm
Titanium

3-143T



ICRS
p.166

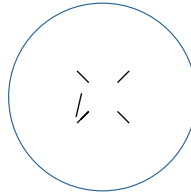
LASIK MARKERS

LASIK
p.163

Lavery LASIK Marker

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

3-174T

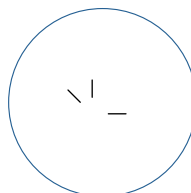


LASIK Flap Marker

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

3-176T

POPULAR
FEMTOLASIK
p.164

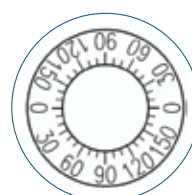
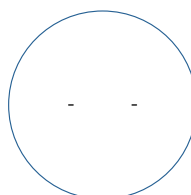


TORIC IOL MARKERS

Toric IOL Marker

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

3-181

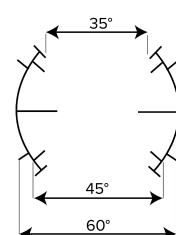
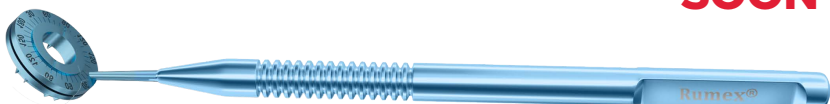


LRI Marker

Intra-Op
30-45-60°
Overall length 130 mm
Titanium

3-183T

COMING
SOON



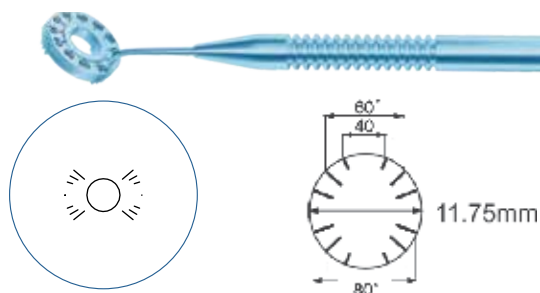
Low-profile marker.
Thin beveled blades on the rotatable head precisely place arcuate marks along the axis even without the use of ink.

3 - MARKERS

LRI
p.164**LRI Marker**

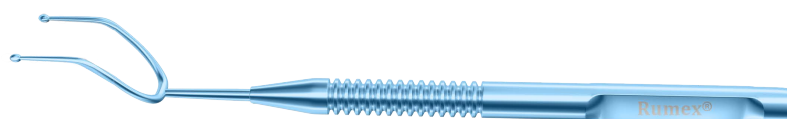
Intra-Op
Automatically creates marks at
40-60-80°
Overall length 130 mm
Titanium

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**

Stainless Steel gravity weight system for precise stabilization of the scale not interfering with a grip

LRI Slit Lamp Gravity Marker

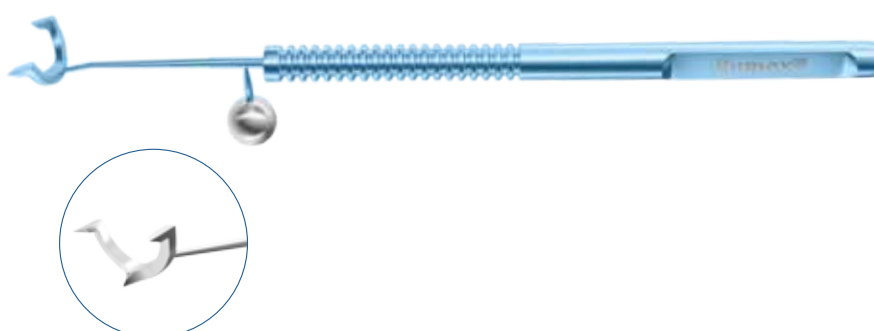
Pre-Op, 14 mm
Horizontal axis 3' and 9'
Overall length 138 mm
Titanium

3-191

**Lum LRI Gravity Axis Marker**

Pre-Op, 14 mm
Angled, horizontal axis 3' and 9'
Overall length 140 mm
Titanium

3-192

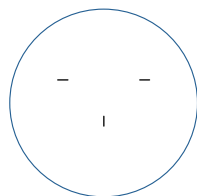


Whitehouse Gravity Axis Marker

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.

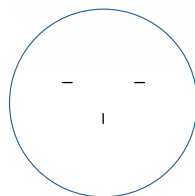


POPULAR



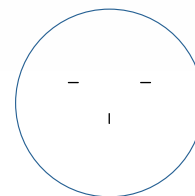
3-193

Angled Shaft, 11/14 mm diameter, spherical weight at the back of the marker
Overall length 153 mm



3-1931

Straight Shaft, 11/14 mm diameter, spherical weight at the back of the marker
Overall length 152 mm

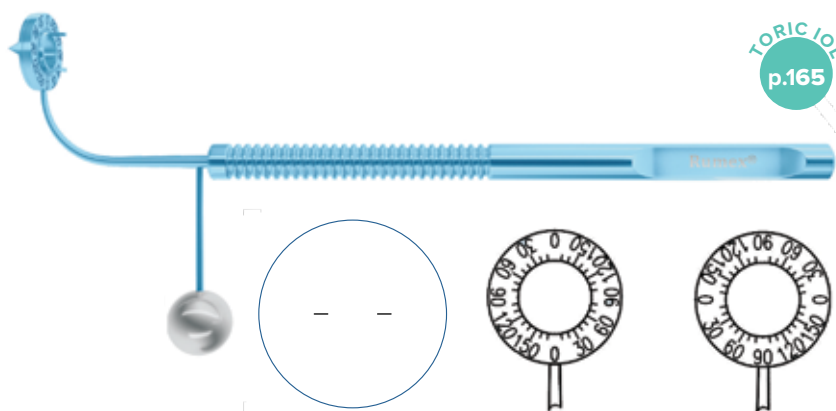


3-1932

Straight Shaft, 9.50/12 mm diameter, cylindrical weight at the back of the marker
Overall length 153 mm

RUMEX Toric Combo Marker

Marks both horizontal and toric axes preoperatively, 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

MARKING PEN

**DON'T FORGET
TO BUY**

**MOST
POPULAR**

2

**10
PER
BOX**

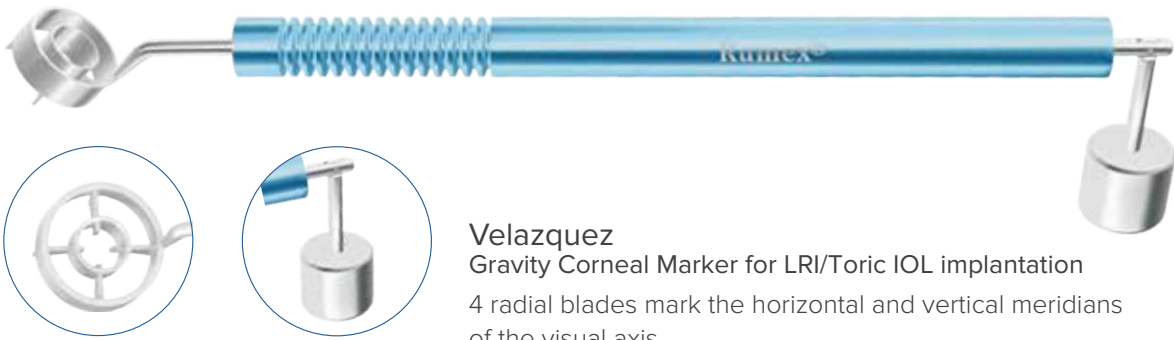


Marking Pen

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

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.

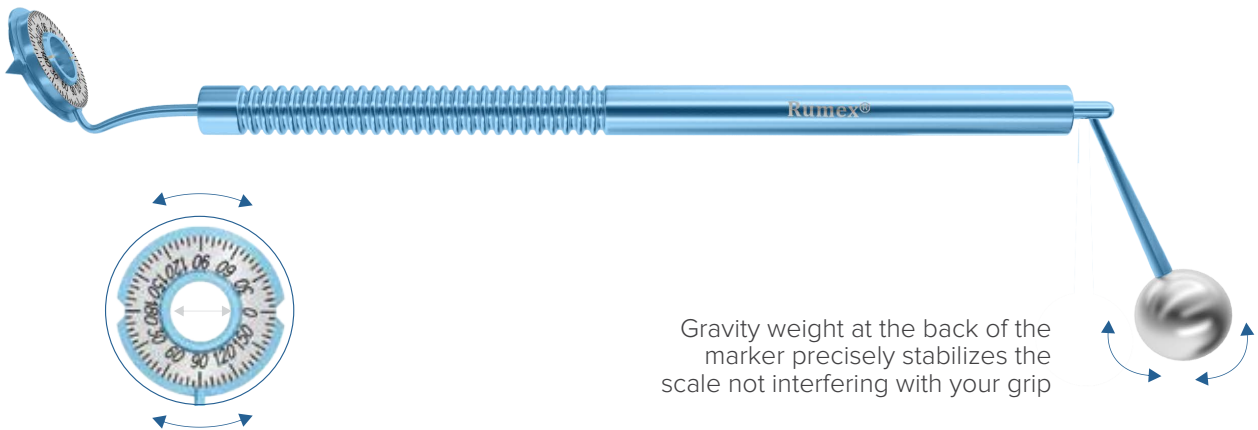
The central 5 mm ring serves as a guide for Capsulorhexis.

The outer ring protects blades from damage.

Angled shaft helps to avoid touching the lower eyelid.

Overall length 164 mm

3-195 Angled shaft



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

MOST POPULAR



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

Richman

Single-Step Toric Marker

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

New design makes markings and degree scale more visibly, 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.

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

There is a wide central opening for better centration when marking.

Overall Length 132 mm

3-196 Angled shaft

FORCEPS

CAPSULORHEXIS FORCEPS

Tungsten carbide coated cystotome tips for better gripping

**MOST
POPULAR**

Utrata Capsulorhexis Forceps

11.5 mm jaws
Flat handle



4-030T
Straight jaws
Regular tips
Titanium
Overall length 82 mm



4-0300T
Straight jaws
Cystotome tips
Titanium
Overall length 82 mm



4-0300S
Straight jaws
Cystotome tips
Stainless Steel
Overall length 82 mm



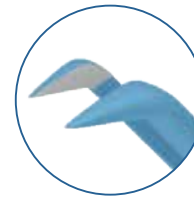
4-0301S
Straight jaws
Cystotome tips
Stainless Steel
Overall length 107 mm



4-0301T
Straight jaws
Cystotome tips
Titanium
Overall length 107 mm



4-0321S
Curved jaws
Cystotome tips
Stainless Steel
Overall length 107 mm



4-0321T
Curved jaws
Cystotome tips
Titanium
Overall length 107 mm

Nevyas Capsulorhexis Forceps

Straight jaws, 11.5 mm
Cystotome triangular claw-shaped tips
Flat handle
Overall length 105 mm
Titanium

4-0352T



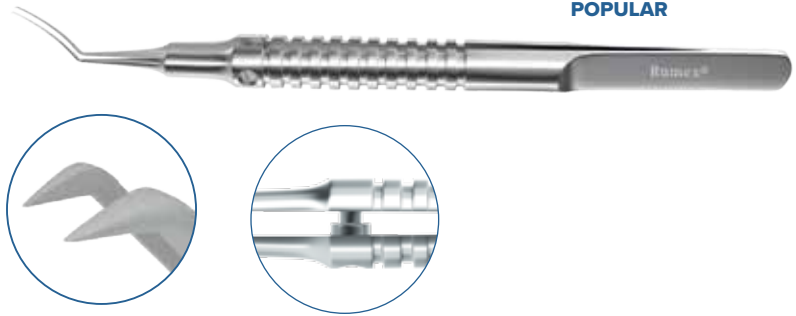
Microcoaxial Forceps**Capsulorhexis Forceps with Limiter**

Curved jaws, 11.5 mm
 Ultrathin profile and limiter
 for capsulorhexis even through
 a 2 mm incision
 Round handle
 Overall length 106 mm
 Stainless Steel

4-0312S Cystotome tips

MOST
POPULAR

MICS

**Inamura Type****RUMEX Capsulorhexis Forceps**

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

POPULAR

MICS



4-0391S Jaws 10 mm, for Corneal incision
 4-0392S Jaws 12 mm, for Scleral incision

MOST
POPULAR

Utrata**Capsulorhexis Forceps**

11.5 mm jaws
 Round handle
 Titanium
 Overall length 110 mm

MOST
POPULAR



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



A-0311S
SS

A-0311D
2

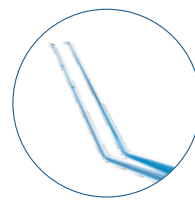
4-0311T

Straight jaws,
 Cystotome tips



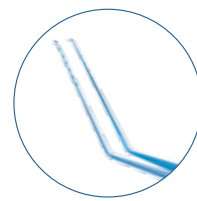
4-031T

Straight jaws,
 Regular tips



4-03114T

with ruler, straight jaws,
 Cystotome tips,
 2 engravings at 3,6 mm



A-03115S
SS

4-03115T

with ruler, straight jaws,
 Cystotome tips, 6 engravings
 at 1,2,3,4,5,6 mm

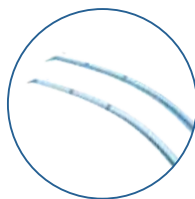


A-0331S
SS

A-0331D
2

4-0331T

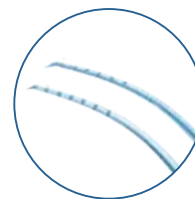
Curved jaws,
 Cystotome tips



A-03314S
SS

4-03314T

with ruler, curved jaws,
 Cystotome tips, 2 engravings
 at 3,6 mm



A-03315S
SS

4-03315T

with ruler, curved jaws,
 Cystotome tips, 6 engravings
 at 1,2,3,4,5,6 mm

ECCE p.152
PHACO p.150

Small-Incision Capsulorhexis Forceps

Cystotome tips
Curved micro-thin jaws
Fits through a 2 mm incision with a limiter
Flat handle
Overall length 105 mm
Stainless Steel

4-032S



POPULAR

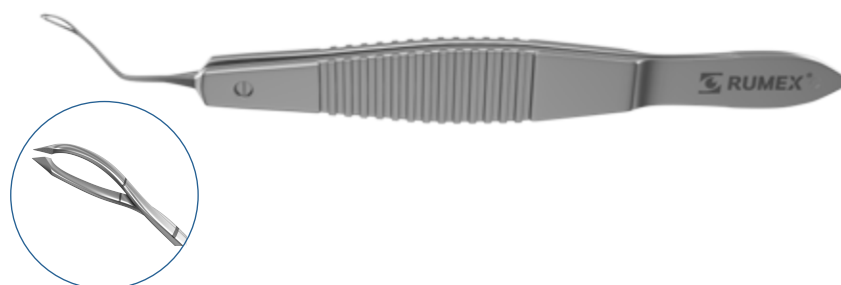
Small-Incision Capsulorhexis Forceps with Double Cross-Action and Scale

2 engravings at 2.50 and 5.00 mm for precise measurement of capsulorhexis

COMING SOON

Cystotome tips
Micro-Thin jaws
Flat handle
Overall length 105 mm
Stainless Steel

4-033S



Cross-Action Capsulorhexis Forceps with Scale

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

4-0395

Curved Stainless Steel jaws,
Flat Titanium handle

4-0394

Curved Stainless Steel jaws,
Round Titanium handle

4-0395S

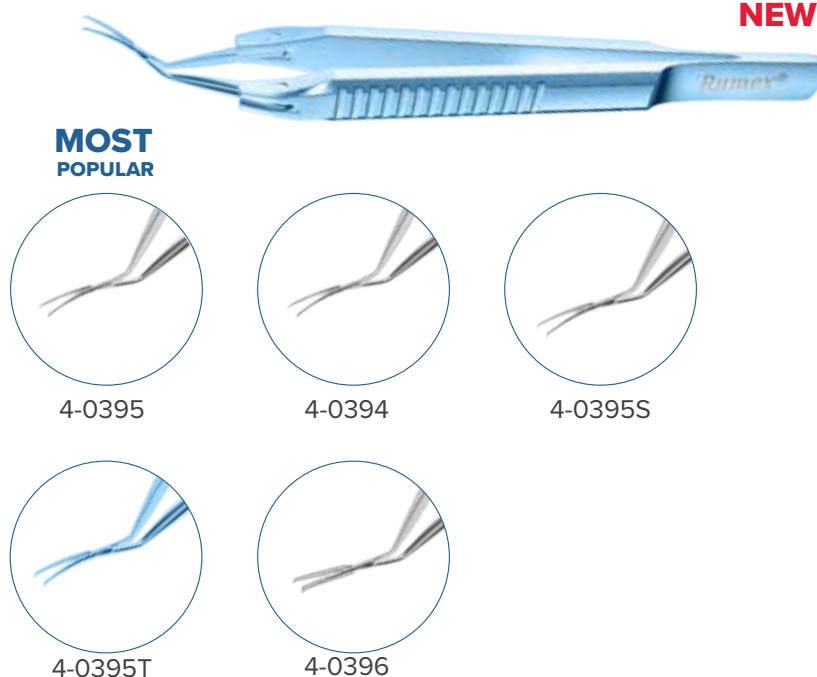
Curved Stainless Steel jaws,
Flat Stainless Steel Handle

4-0395T

Curved Titanium jaws,
Flat Titanium handle

4-0396

Straight Stainless Steel jaws,
Flat Titanium handle



NEW

FORCEPS FOR LASER-ASSISTED SURGERY

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



NEW

FEMTOCATARACT
p.162

MICS CAPSULORHEXIS FORCEPS

Micro jaws fit through a 0.80 mm incision

Exquisite gripping function

Anti-glare matte finishing

Stiff and flexible Stainless Steel tube

Kershner

One-Pinch Capsulorhexis Forceps

Curved 23 Gauge shaft

Designed to perform capsulorhexis through a 0.80 mm side-port incision

Cystotome tips

With fixation wheel

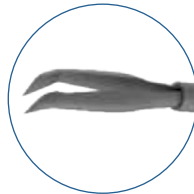
Compatible with Squeeze Handle 12-003T

MICS



4-03731* 23 Ga
for High Vacuum Phaco

POPULAR



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

Capsulorhexis Forceps

with Internal Ruler/with Micro Jaws

The internal laser marks allow to measure the rhexis

Curved 23 Gauge shaft

Micro jaws 0.80 mm

Cystotome tips

With fixation wheel

Compatible with Squeeze Handle 12-003T

MICS



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 23 Ga shaft for better maneuverability in the anterior chamber

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

Cystotome tips

With fixation wheel

Compatible with Squeeze Handle 12-003T

MICS



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

MICS**Fine-Ikeda****Capsulorhexis Forceps with Micro Jaws**

Curved 23 Ga shaft

Designed to perform capsulorhexis through a 0.80 mm side-port incision

Micro jaws

Reduced length of the branches for better maneuverability in the anterior chamber during capsulorhexis

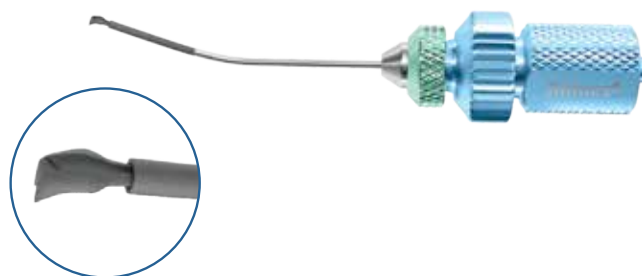
Cystotome tips

With fixation wheel

Compatible with Squeeze Handle 12-003T

4-03751*

23 Ga

**MICS****Ikeda****Micro Capsulorhexis Forceps**

Curved 23 Ga shaft

Designed to perform capsulorhexis through a 0.80 mm side-port incision

Micro jaws

Reduced length of the branches for better maneuverability in the anterior chamber during Capsulorhexis

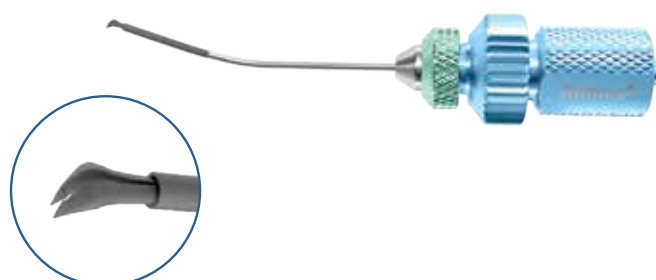
Cystotome tips

With fixation wheel

Compatible with Squeeze Handle 12-003T

4-03761*

23 Ga

MICS
p.161**MICS****Kawai****Capsulorhexis Forceps**

Curved tapered elongated 23/25 Ga shaft

Designed to perform capsulorhexis through a 0.80 mm side-port incision

The construction of the forceps shows least adverse effect on the wound

Gripping tips are projected out of 25 Ga shaft

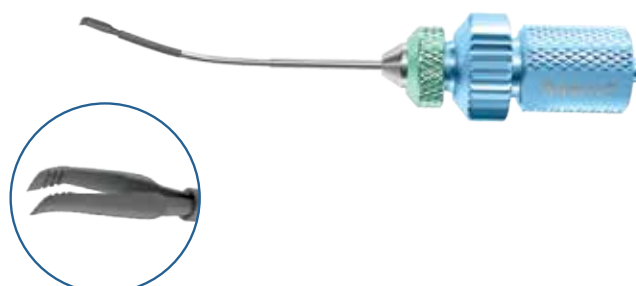
Cystotome tips

With fixation wheel

Compatible with Squeeze Handle 12-003T

4-03771*

23/ 25 Ga

**NEW****MICS****Capsulorhexis Forceps****with View-Port**

7 engravings

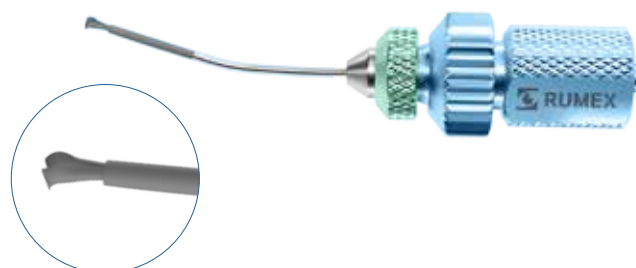
Reduced length, gently curved tube

Micro jaws 0.80 mm

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

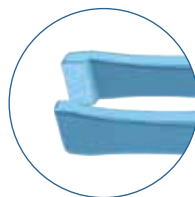
4 - FORCEPS

CILIA FORCEPS

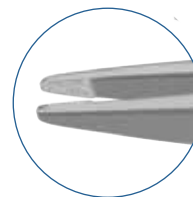
Cilia

Cilia forceps, smooth jaws
Flat handle

POPULAR



Wide Forceps
Overall length 85 mm
Titanium
4-043T



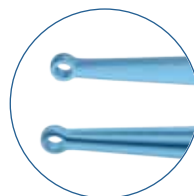
Narrow Forceps
Overall length 86 mm
4-042T Titanium
4-042S Stainless Steel

CONJUNCTIVA FORCEPS

Fechtner

Conjunctiva Forceps

Delicate ring tip jaws
Flat handle
Overall length 108 mm
Titanium
4-2301T

MOST
POPULAR4-2301S
SS

LID AND CHALASION FORCEPS

Desmarres

Chalazion Forceps

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

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

POPULAR

CHALAZION
p.1744-1907S
SS1912S
SSMOST
POPULARCHALAZION
p.1744-1908S
SS4-1909S
SS

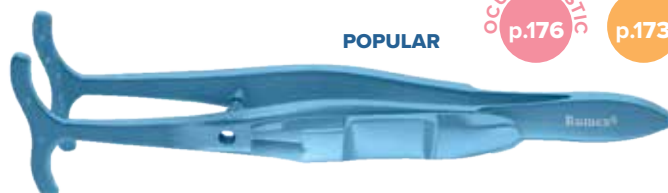
Lambert

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 mm Id of the upper plate
4-1909T Medium 12 mm Id of the upper
plate (shown)

POPULAR

OCULOPLASTIC
p.176LID
p.173

Putterman

Lid Clamp

6 Pins
Serrated jaws
Sliding lock
Overall length 100 mm
Titanium

4-140T

COMPRESSING LID FORCEPS

Compressing Lid Forceps

Curved
Flat handle
Overall length 112 mm
Titanium

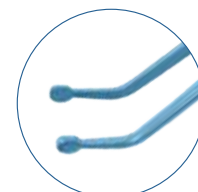
4-1913T

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



**MOST
POPULAR**

LID
p.173



Compressing Lid Forceps with Atraumatic Rollers

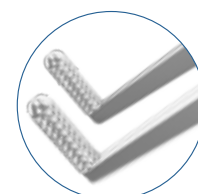
Designed for mechanical meibum removal.
Texturized rollers are safe for the conjunctiva. Quick and delicate meibum expression is achieved by even squeezing of the eyelid from its base to the margin.
Flat handle
Overall length 107 mm
Stainless Steel

4-124S



POPULAR

LID
p.173



LASIK FLAP FORCEPS

LASIK Flap Forceps

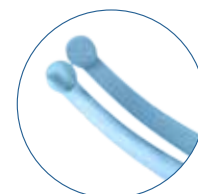
Specially designed for LASIK
For atraumatic corneal flap lifting and holding
Blunt, circle-shaped tips
Criss-cross serrations on the jaws
Curved shafts
Flat handle
Overall length 108 mm
Titanium

4-2206T



FEMTOLASIK
p.164

LASIK
p.163



SMILE FORCEPS

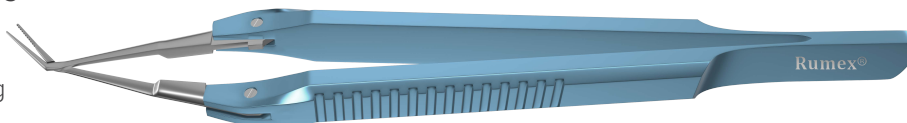
Cross-action SMILE Forceps

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

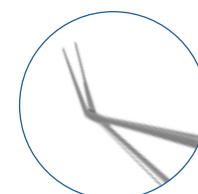
Flat handle
Overall length 120 mm
Stainless Steel

4-0398

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



NEW



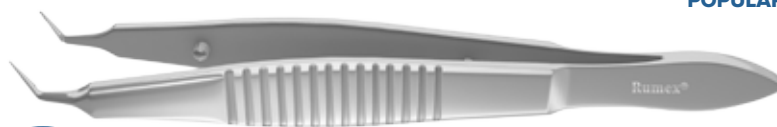
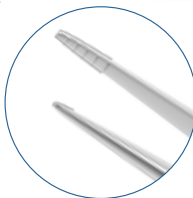
SMILE FORCEPS

Forceps for Small-Incision Lenticule Extraction

Designed to grasp the lenticule and remove it from the corneal pocket. Composite surface of the tips (texturized and crocodile) ensures the efficient grasping of the lenticule.

Angled
Flat handle
Overall length 100 mm
Stainless Steel

4-2012S



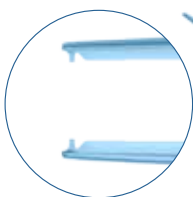
POPULAR

ICRS FORCEPS

Forceps for ICRS Implantation

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

4-2144T



ICRS
p.166

CORNEAL FORCEPS

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

MOST
POPULAR

Colibri

Corneal Forceps
5 mm tying platform
Flat handle

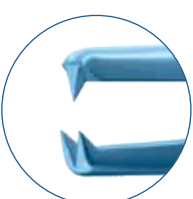


4-050S
SS



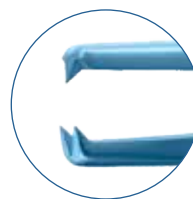
4-050T
Colibri
1*2 teeth
0.12 mm
Titanium
Overall length 84 mm

4-0504S
SS



4-0504T
Colibri-Bonn
1*2 teeth
0.12 mm
Titanium
Overall length 77 mm

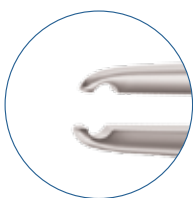
4-0501S
SS



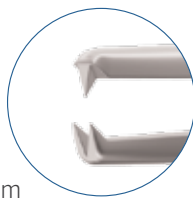
4-0501T
Colibri
1*2 teeth
0.12 mm
Titanium
Overall length 77 mm



4-0505T
Micro Colibri
1*2 teeth
0.12 mm
Titanium
Overall length 73 mm



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



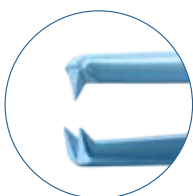
4-0503S
Colibri-Bonn
1*2 teeth
0.12 mm
Stainless Steel
Overall length 84 mm

Colibri

Corneal Forceps

Bonn type 1x2 teeth, 0.12 mm
Tying platform, 5 mm
Flat handle
Overall length 115 mm
Titanium

4-053T



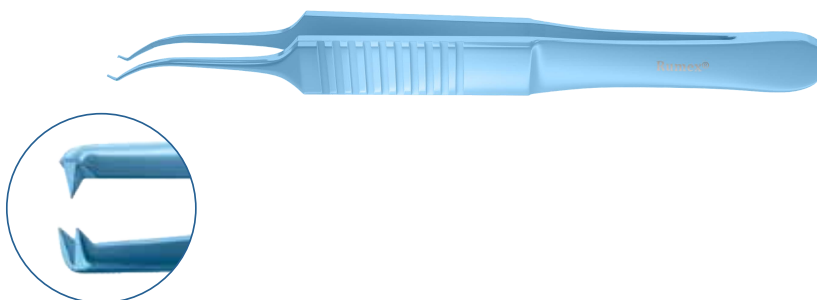
Product design and/or features that do not influence its functionality and main parameters are subject to change

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

**MOST
POPULAR**

Castroviejo Colibri Corneal Forceps

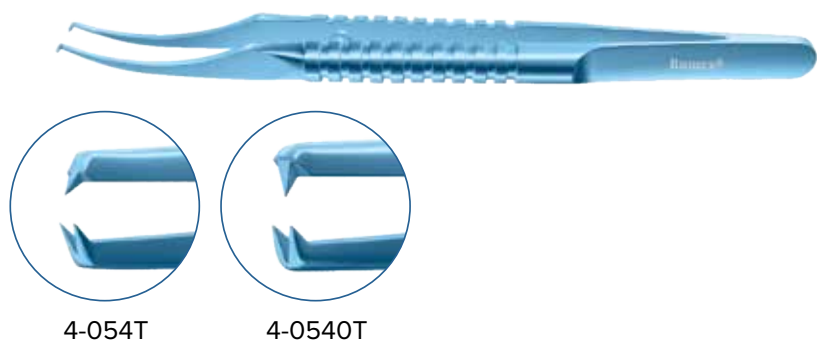
1.2 teeth, 0.12 mm
Tying platform, 5 mm
Flat handle
Overall length 107 mm
Titanium
4-0541T



Colibri Corneal Forceps

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

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



Corneal Forceps

5 mm tying platform
Titanium

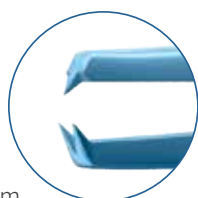


POPULAR

4-055S
SS



4-055T
Catalano
Round handle
1*2 teeth 0.12 mm
Overall length 105 mm



4-056T
Catalano
Round handle
1*2 teeth 0.30 mm
Overall length 105 mm



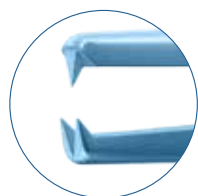
4-057T
Catalano
Round handle
1*2 teeth 0.50 mm
Overall length 105 mm

POPULAR

4-0551D
2
4-0551S
SS



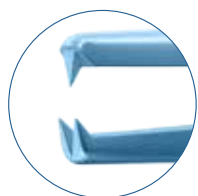
4-0551T
Bonn-Catalano
Round handle
1*2 teeth
0.12 mm
Overall length 105 mm



**MOST
POPULAR**

4-058S
SS

4-058T
Bonn
Flat handle
1*2 teeth
0.12 mm
Overall length 94 mm
Medium size



4-059T
Bonn
Flat handle
1*2 teeth
0.12 mm
Overall length 72 mm
Small size

CORNEAL TRANSPLANTATION FORCEPS

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



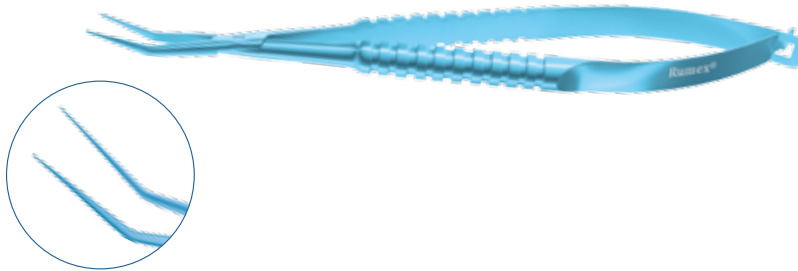
NEW

DSEK, DSAEK, DMEK
p.168

Corneal Donor Insertion Forceps

Designed for atraumatic insertion of the donor lamella folded in a taco shape
30° angled, 18 mm tip
Round handle
Overall length 125 mm
Titanium

4-2019T



Florakis Microinvasive Endothelial Forceps

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

4-247* 23 Ga



NEW

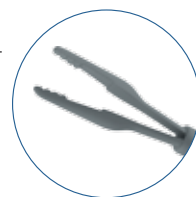
DSEK, DSAEK, DMEK
p.168

Forceps for Corneal Endothelium Implantation

For inserting the donor button with the pull through technique
Security of corneal stromal layer
Compatible with Squeeze Handle 12-003T

Can be used for grasping lenticule during ReLex® SMILE

4-034* 23 Ga



DSEK, DSAEK, DMEK
p.168

Gueff DMEK Forceps

Corneal surgery

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

Flat handle
Overall length 103 mm
Stainless Steel

4-240



NEW

*Tip only. Handles are sold separately.

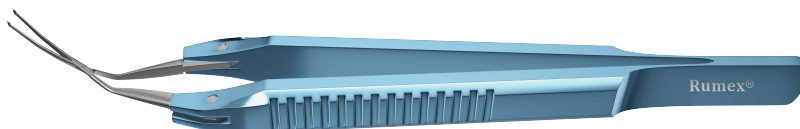
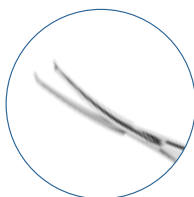
Product design and/ or features that do not influence its functionality and main parameters are subject to change

Cross-Action DMEK Forceps

Delicate tips to fit through a 1.80 mm incision
Overall length 110 mm

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

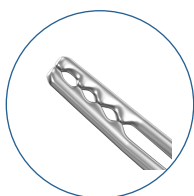
- 4-251 Flat Titanium handle
- 4-262 Round Titanium handle
- 4-262S Flat Stainless Steel handle

**NEW**

Lambright-Abdullayev Ultrathin DSAEK Grasping/Inserting Forceps

Flat handle
Overall Length 105 mm
Stainless Steel

4-254S

**COMING SOON**

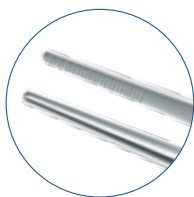
Designed to improve insertion of the ultrathin DSAEK grafts especially with thickness of 70 microns and less. Space between the tips is 120 microns to minimize compression and provide more safety for donor endothelial cells. Wave-shaped serration of grasping platforms on tips for non-slip insertion while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

DRESSING FORCEPS

Dressing Forceps with Delicate Serrations

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

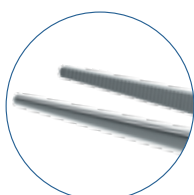
4-070S

**POPULAR**

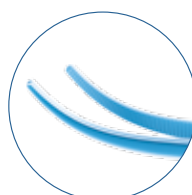
Dressing Forceps with Delicate Serrations

Serrated tips, 12 mm
Flat handle
Overall length 100 mm
Stainless Steel or Titanium

- 4-071S Straight
- 4-072T Curved

**MOST POPULAR**

4-071S



4-072T

FIXATION FORCEPS

Adson

Fixation Forceps with Teeth

Ideal for plastic & reconstructive surgery

Flat handle

Overall length 124 mm

Stainless Steel or Titanium

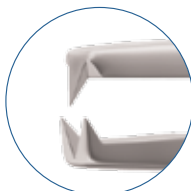
4-0741S 1x2 teeth, 0.50 mm

4-0741T 1x2 teeth, 0.50 mm

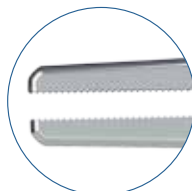
4-0740T Serrated tip

4-0740S Serrated tip

POPULAR



4-0741S



4-0740S

POPULAR

CORNEAL
p.167

DLEK
p.169

Polack

Corneal Transplant Fixation Forceps

Two point fixation

Delicate 1x2 teeth

1.20 mm between the tips

Curved shafts

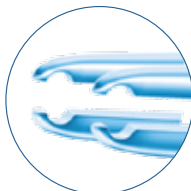
Pierce type tips

Round handle

Overall length 112 mm

Titanium

4-0814T



Nevyas-Wallace

Fixation Forceps

Two point fixation

13 mm between the ends

1x2 teeth, 0.12 mm

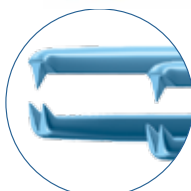
Straight shafts

Round handle

Overall length 105 mm

Titanium

4-08011T



POPULAR

Castroviejo

Fixation Forceps

Straight shafts

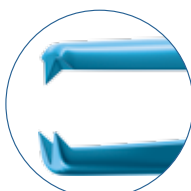
1x2 teeth, 0.50 mm

Flat handle

Overall length 109 mm

Titanium

4-0822T



NEW

Lester

Fixation Forceps

Straight tips

6 mm platforms

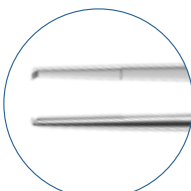
2x3 Teeth

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

Steinert

Paddle Lens Folding Forceps

Angled shafts
Flat handle
Overall length 110 mm
Titanium

4-2107T

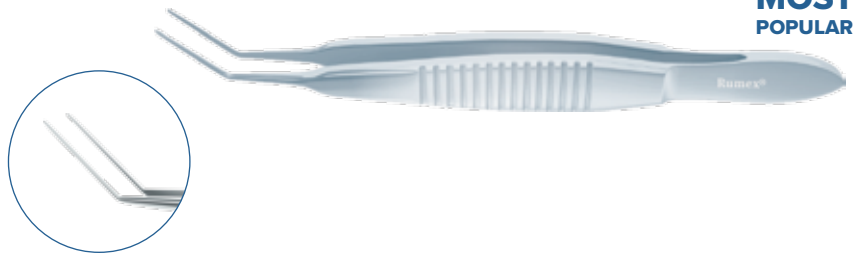


Faulkner

Lens Holding Forceps

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

4-2108S



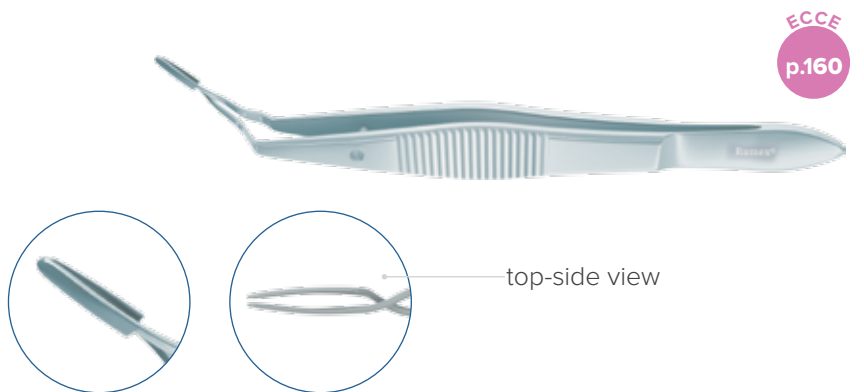
MacDonald

Inserting Forceps for Silicone Lens

Concave jaws, 5 mm
Cross-action
Flat handle
Overall length 107 mm

4-2113S Stainless Steel

4-2113T Titanium

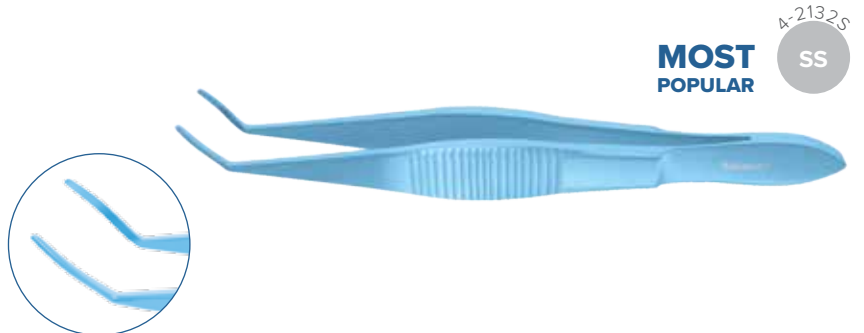


Acrylic Lens

Insertion Forceps

Flat handle
Overall length 105 mm
Titanium

4-2132T

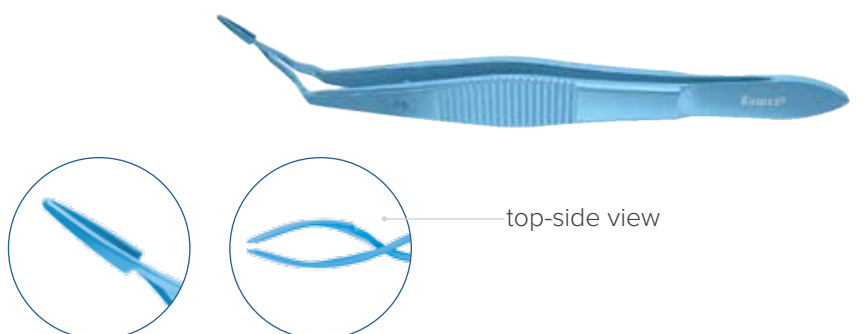


Akahoshi

Forceps for Acrylic Lens

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

4-2138T



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

4 - FORCEPS

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**

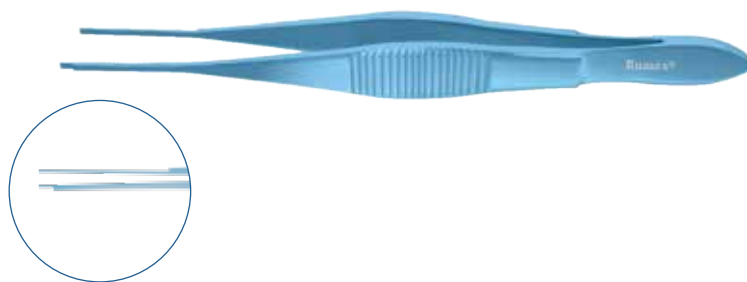
Smooth jaws

Flat handle

Overall length 109 mm

Titanium

4-2141T

**IOL Grasping Forceps**

Curved shaft

Sandblasted surfaces for efficient gripping

Fenestrated jaws for better visualization

and haptic manipulation Designed to

reach and hold the IOL optic and haptic

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

Curved shaft

Used to remove silicone or acrylic IOL in case of complications

Compatible with Squeeze Handle 12-003T

4-2150*

20 Ga

**Rowen Rescue Kit Scissors**

Straight Intraocular Scissors For Foldable Lens Removal

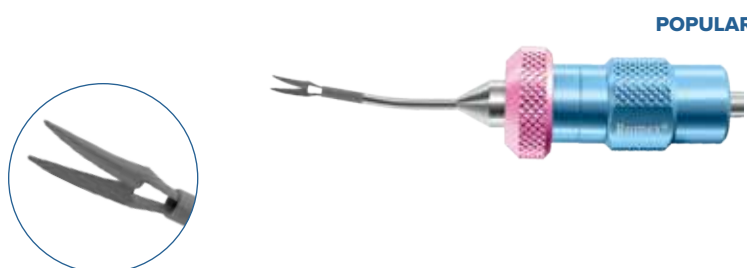
Curved shaft

Used to remove silicone or acrylic IOL in case of complications

Compatible with Squeeze Handle 12-003T

4-2151*

18 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

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 Titanium handle
Overall length 113 mm

4-21731

**MOST
POPULAR**



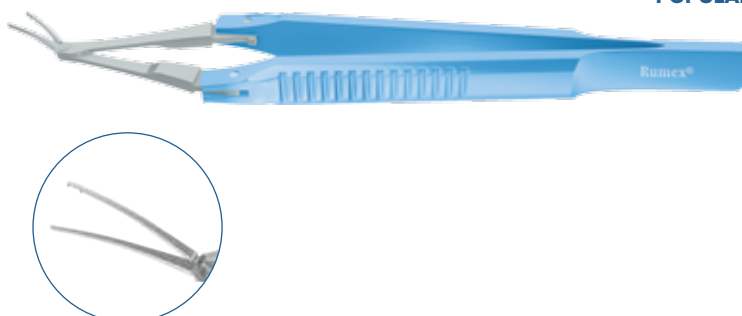
RUMEX Foldable Lens Removing Forceps

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

Flat Titanium Handle
Overall length 114 mm

4-21741

POPULAR



Osher IOL Scissors

Used 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

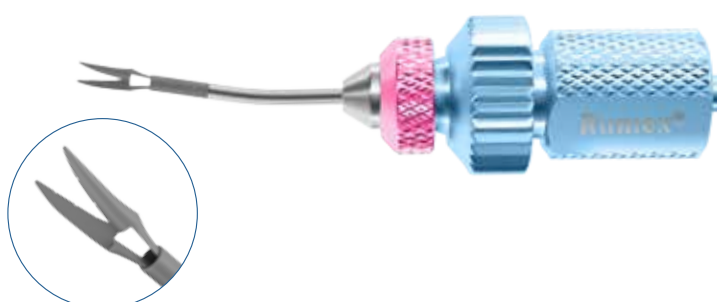


Micro Foldable Lens Cutter

Straight scissors
Blades with notches
Curved shaft
Compatible with
Squeeze Handle 12-003T

4-2173* 19 Ga

NEW



*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™

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
 Titanium or Stainless Steel

4-20111T

4-20111S

ICL™ - registered trademark of STAAR®



ICL
p.165

ICL™

Coaxial angled ICL™ Loading Forceps

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

4-21431* 20 Ga

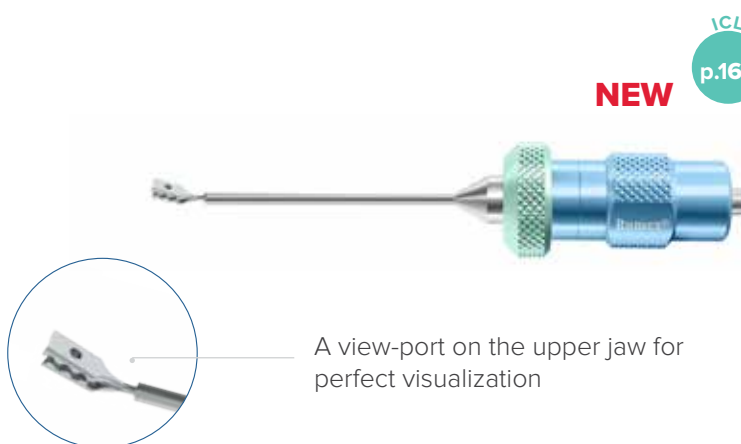
ICL™ - registered trademark of STAAR®



Zaldivar-Kraff ICL Pacman Forceps

Atraumatic ridges and the gentle curve at the tips to grasp the ICL® without damage.
 Straight shaft, angled tips
 Compatible with Squeeze Handle 12-003T

4-21432* 20 Ga



NEW

ICL
p.165

A view-port on the upper jaw for perfect visualization

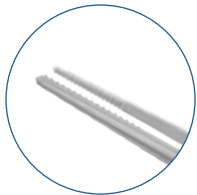
*Tip only. Handles are sold separately.

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

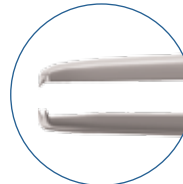


Straight shafts
Fine serrated tips
Delicate Serrations
4-100S



POPULAR

1x2 Delicate teeth, 0.06 mm
4-101S Straight shaft (shown)
4-102S Curved shaft

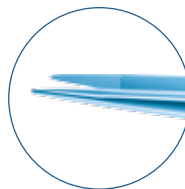


JEWELER FORCEPS

Jeweler #5 Forceps

Straight jaws
Pointed tips
Tying platform 6 mm
Flat handle
Overall length 110 mm
Titanium

4-111T

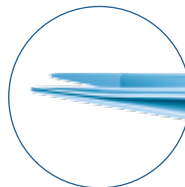


**MOST
POPULAR**

Jeweler #3C Forceps

Straight jaws
Pointed tips
Tying platform 6 mm
Flat handle
Overall length 110 mm
Titanium

4-113T



**MOST
POPULAR**

Jeweler #7 Forceps

Curved jaws
Pointed tips
Tying platform 6 mm
Flat handle
Overall length 110 mm
Titanium

4-115T



HEMOSTATIC FORCEPS AND SERREFINES

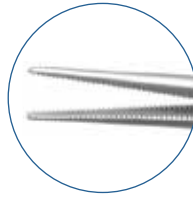
Hartman

Hemostatic Mosquito Forceps

Serrated jaws
Ring handle
Overall length 90 mm
Stainless Steel

4-120S Straight (shown)

4-121S Curved



**MOST
POPULAR**

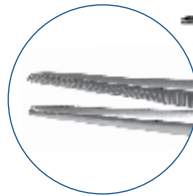
Halsted

Hemostatic Mosquito Forceps

Serrated jaws
Ring handle
Overall length 125 mm
Stainless Steel

4-122S Straight (shown)

4-123S Curved



**MOST
POPULAR**

Serrefine

Straight
Flat handle
Stainless Steel

16-090S Large Size
Overall length 55 mm

16-092S Small Size
Overall length 35 mm



**MOST
POPULAR**

MUSCLE FORCEPS

Jameson

Muscle Forceps

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

4-130S Left

4-131S Right (shown)



POPULAR

**MUSCLE
p.175**

MUSCLE
p.175**Superior Rectus Forceps**

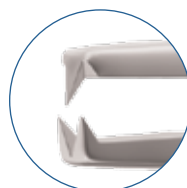
1x2 teeth, 0.50 mm
Flat handle

Osher

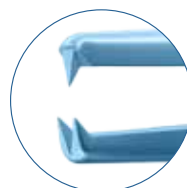
4-136S Angled shafts, 10 mm from tip
to angle, Overall Length 106 mm,
Stainless Steel

Elsching

4-138T Straight shafts,
Overall Length 108 mm, Titanium



4-136S



4-138T

SUTURING FORCEPS**MOST
POPULAR**4-0600D
2

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

Castroviejo**Suturing Forceps**

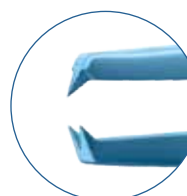
Tying platform, 6 mm
Flat handle
Overall length 110/108/108 mm
Titanium or Stainless Steel

4-0600S 1x2 teeth, 0.12 mm
4-0600T 1x2 teeth, 0.12 mm
4-0601S 1x2 teeth, 0.30 mm
4-0601T 1x2 teeth, 0.30 mm
4-0602S 1x2 teeth, 0.50 mm
4-0602T 1x2 teeth, 0.50 mm

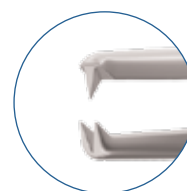
**Paufique****Suturing Forceps**

1x2 teeth, 0.50 mm
Tying platform, 6 mm
Flat handle
Overall length 87 mm
Titanium or Stainless Steel

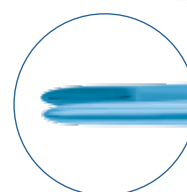
4-0606T (shown)
4-0606S

**MOST
POPULAR****Bishop-Harmon****Suturing Forceps**

1x2 teeth, 0.30 mm
Tying platform, 5 mm
Flat handle
Overall length 87 mm
Stainless Steel

4-0607S**POPULAR****Moorfields****Suturing Forceps**

For gripping the tissue, conjunctiva
and Tenon's capsule
Grooved section, 14 mm
Flat handle
Overall length 110 mm
Titanium

4-2303T

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

4 - FORCEPS

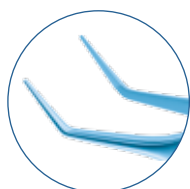
TYING FORCEPS

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

**MOST
POPULAR**

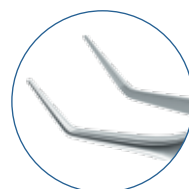
Kelman-McPherson

Tying Forceps
for 8-0 to 11-0 sutures
Flat handle
Titanium or Stainless Steel



4-090T Tying Platforms,
4 mm, Overall length 81 mm

4-091S Tying Platforms,
8 mm, Overall length 84 mm



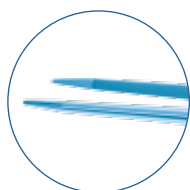
4-092S Tying Platforms, 10 mm,
Overall length 86 mm

4-092T Tying Platforms, 10 mm,
Overall length 86 mm

**MOST
POPULAR**

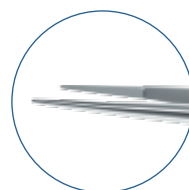
McPherson

Tying Forceps
for 8-0 to 11-0 sutures
Flat handle



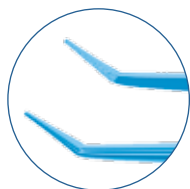
Straight
Tying platforms, 4 mm
Standard handle
Overall length 84 mm

4-171T Titanium (shown)
4-171S Stainless Steel



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

4-178S



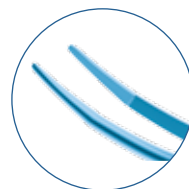
Angled, Standard handle, Titanium

4-173T Tying Platform, 6 mm,
Overall length 102 mm

4-174T Tying Platform, 8 mm,
Overall length 103 mm

4-175T Tying Platform, 10 mm,
Overall length 104 mm

4-176T Tying Platform, 12 mm,
Overall length 106 mm



Curved
Tying platforms, 4 mm
Long handle
Overall length 109 mm

4-177T Titanium (shown)
4-177S Stainless Steel

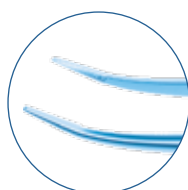


Catalano

Tying Forceps

Curved
V-groove tying platform, 6 mm
Round handle
Overall length 106 mm
Titanium

4-182T



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

Tennant Tying Forceps

Extra Delicate Smooth Jaws

Tying platform, 6 mm

For 9-0 to 11-0 sutures

Round handle

Overall length 108/107/107 mm

Titanium or Stainless Steel

4-185T Straight (shown)

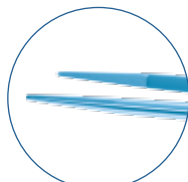
4-185S Straight

4-1851T Angled

4-186S Curved

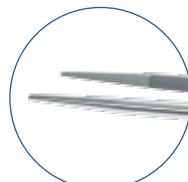


POPULAR



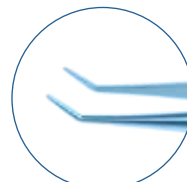
4-185T

POPULAR



4-185S

**MOST
POPULAR**



4-1851T



4-186S

Intraocular Tying Forceps

Designed for intraocular suturing

Compatible with Squeeze Handle

12-003T

4-1891*

23 Ga



MICS

UTILITY FORCEPS

Bonaccolto

Utility Forceps

Longitudinal atraumatic serrations, 15

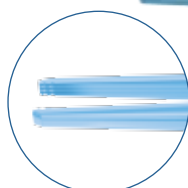
mm Cross serrations on tips

Flat handle

Overall Length 100 mm

Titanium

4-2300T



**MOST
POPULAR**

4-2300S
SS

Watzke Sleeve

Spreading Forceps

Flat 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



**MOST
POPULAR**

Towel Forceps

Ring handle

Overall length 90 mm

Stainless Steel

16-081S



HOOKS

INTRAOCULAR LENS HOOKS

Stainless Steel hooks with an ergonomic lightweight round Titanium handle

Lewicky Lens Manipulating Hook

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

5-021



5-030D
2

**MOST
POPULAR**

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 (shown)

5-0301 Straight



POPULAR

RUMEX Lens Manipulator

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

5-031



5-032D
2

**MOST
POPULAR**

5-032S
SS

Sinskey Lens Manipulating Hook

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

5-032 Angled (shown)

5-0321 Straight



POPULAR

Reversed Sinskey Scoring Hook for Endothelial Keratoplasty

Angled, 10 mm from tip to angle
0.15 mm diameter tip
Overall length 117 mm

5-0322



INTRAOCULAR LENS HOOKS

Lester Lens Manipulator

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

5-033 Straight
5-0331 Angled (shown)



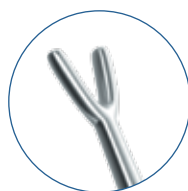
**MOST
POPULAR**

5-0331D
2
5-0331S
SS

Bechert Nucleus Rotator

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

5-034



**MOST
POPULAR**

5-034S
SS

Fenzl Lens Manipulating Hook

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

5-036



MUSCLE / TENOTOMY HOOKS

Stainless Steel hooks with an ergonomic lightweight flat serrated Titanium handle

Ensure safety of extraocular muscles

Jameson Muscle Hook

Flat hook
Bulbous tip
5-040 Standard
Overall length 135 mm 2.00 mm tip, 9.50 mm hook

5-0401 Small
Overall length 128 mm
1.50 mm tip, 8.00 mm hook



**MOST
POPULAR**

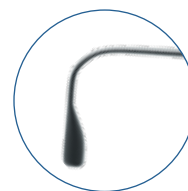
MUSCLE
p.175

5-040S
SS

Graefe Muscle Hook

Flat hook
5-041 Size 1
Overall length 135 mm 1.00 mm tip, 8.00 mm hook

5-042 Size 2
Overall length 140 mm 1.50 mm tip, 10.00 mm hook



**MOST
POPULAR**

MUSCLE
p.175

5-041S
SS

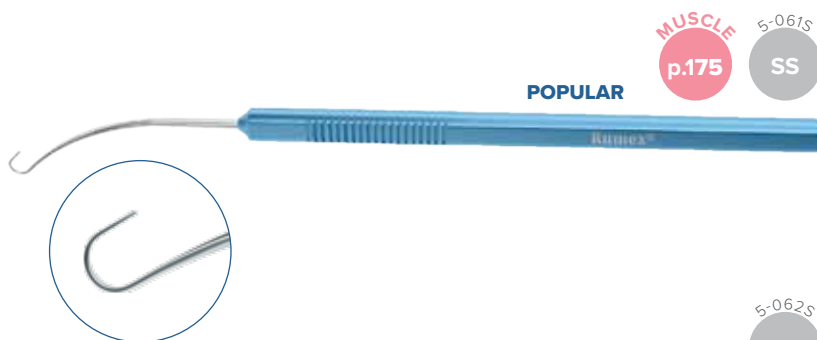
5-042S
SS

5 - HOOKS

Scobee
Oblique Muscle Hook

Curved shaft
4.50 mm flat hook
Overall length 136 mm

5-061

**Stevens**
Tenotomy Hook

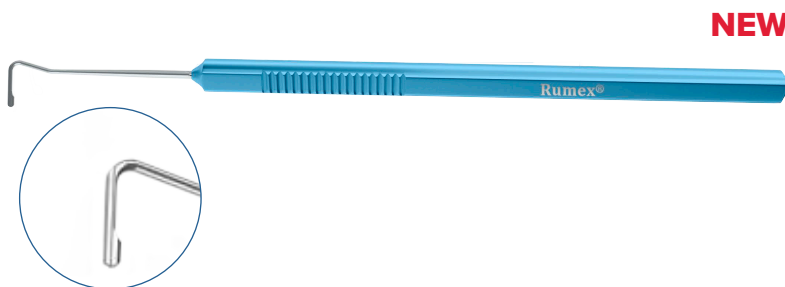
6 mm flat hook
Overall length 120 mm

5-062

**Rychwalski Muscle Hook**
with Groove

1.80 mm tip
12.20 mm hook
Overall length 140 mm

5-046

**RETINAL DETACHMENT HOOK**

Stainless Steel hook with an ergonomic lightweight flat serrated Titanium handle

Gass
Retinal Detachment Hook

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

5-060

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

1.00 mm
Angled
Overall length 121 mm

5-020



DIAMOND KNIVES



up to **3000**
INCISIONS

ICRS
p.166

Extreme sharpness of the blades

Potentially reduced risk of wound leak

Minimal pressure

Predictable cuts and architecture of the wound for more consistent healing

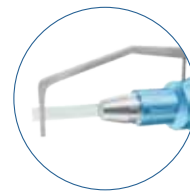
ASTIGMATIC KERATOTOMY AND ICRS

ICRS Knife

Micrometer Titanium Handle
Overall length 110 mm



**MOST
POPULAR**



ICRS

1.00 mm

Designed for implantation of intrastromal corneal ring segments (ICRS)

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

Micrometric scale allows to customize the depth of the blade

from 0 to 1000 microns (0 to 1.00 mm)

Increment – 5 microns (0.005 mm)

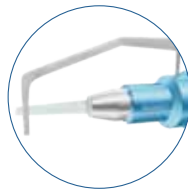
The maximal depth of the blade is 1700 microns (1.70 mm)

6-00/6-020

Arcuate

1.00/0.20 mm

Tapered Blade



6-00/6-030

UNIVERSAL SIDE-PORT KNIVES

Universal Side-Port Knives

Straight Titanium handle
Overall length 110 mm
Used for paracentesis



6-10/6-050

45° Single Edge
1.00 mm



6-10/6-0501

45° Single Edge
0.60 mm



6-10/6-051

30° Single Edge
1.00 mm



6-10/6-052

45° Double Edge
1.00 mm



6-10/6-053

Trifacet
1.00 mm



**MOST
POPULAR**

6-10/6-0531

20° Trifacet
1.00 mm



6-10/6-070

60° Lancet
1.00 mm



6-10/6-0701

60° Lancet
0.80 mm



6-10/6-076

Multi-Incision
1.00 mm



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

6 - DIAMOND KNIVES



ANGLED PHACO KNIVES

Phaco Knives

Phaco Knives

Angled Titanium handle
Overall length 130 mm
Used for tunnel incision



Clear Cornea Blades

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

POPULAR

Facet-Free Crescent Knives

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

MOST
POPULARPHACO
p.158

Self-Diving Trapezoid Blades

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

GLAUCOMA
p.170POPULAR
POPULAR
MOST
POPULAR

Profile of the incision directed
to the Anterior Chamber

Knives for MICS

Knives for Micro Incision
Coaxial Surgery (MICS)

Angled Titanium handle
Overall length 130 mm
Designed for micro incision



Trapezoid Self-Diving Blades

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

MICS
p.161

Zaldivar Knife for ICL Implantation

6-20/6-0551

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

ICL
p.165

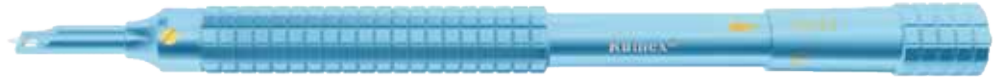
POPULAR

LRI KNIVES

Universal Three-Step Knife for Cataract and LRI Surgery

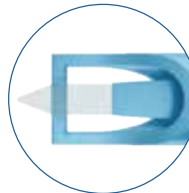
**MOST
POPULAR**

LRI
p.164



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

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



6-322/6-0531

Pre-set LRI knives

Pre-Set LRI Knives

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

6-500S/6-0531

Preset depth 500 microns

6-600S/6-0531

Preset depth 600 microns



Pre-Set LRI Knives

Long Titanium handle
Overall length 110 mm

6-500/6-0531

Preset depth 500 microns

6-600/6-0531

Preset depth 600 microns



Cleaning Pack

Diamond Knife Cleaning Pack

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

21-602-1



**MOST
POPULAR**

SAPPHIRE KNIVES

Low pressure

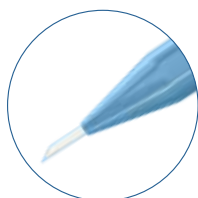
Accurate cuts

Consistent healing



Universal Side-Port Knives

Straight Titanium handle
Overall length 136 mm



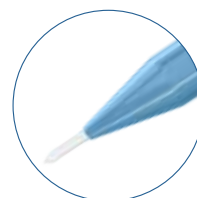
6-10/6SK-0501

45° Double Edge Blade
1.00 mm



6-10/6SK-053

Trifacet Blade
1.00 mm



6-10/6SK-070

60° Double Edge Lancet Blade
1.00 mm

Phaco Knives

Angled Titanium handle
Overall length 135 mm



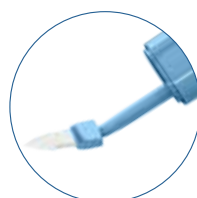
Clear Cornea Blades

6-20/6SK-072 – 2.80 mm

POPULAR

6-20/6SK-075 – 2.20 mm

6-20/6SK-080 – 2.65 mm



Self-Diving Trapezoid Blades

6-20/6SK-145 – 1.80/2.20 mm

6-20/6SK-146 – 1.80/2.40 mm

6-20/6SK-147 – 1.80/2.90 mm



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

PHACO INSTRUMENTS

NUCLEUS CRACKERS

Ernest
Nucleus Cracker

Cross-Action
Flat handle
Overall length 106 mm
Titanium

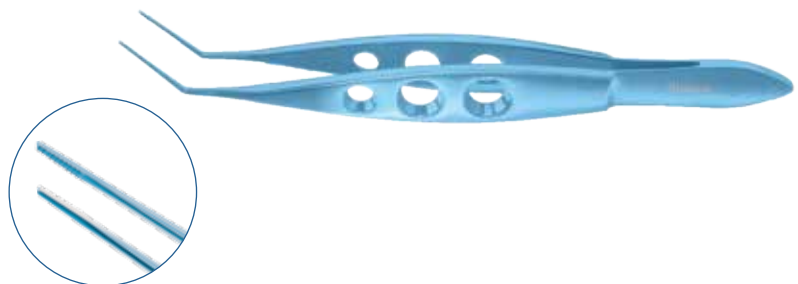
7-025T



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



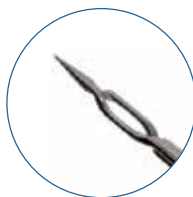
7 - PHACO INSTRUMENTS

PRECHOPPERS

Cross-action
Ergonomic round serrated squeeze-handle
Stainless Steel

POPULAR**7-111S**

Angled
Max opening 2.80 mm
Overall length 117 mm

**7-1161S**

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

PHACO PRECHOP
p.159

**7-1162S**

Combo
Straight
Max opening 2.00 mm
For sub-2.00 mm Coaxial Micro Phaco
Specially designed to split nuclei through a small 2.00 mm incision
Overall length 121 mm

**7-1163S**

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

**7-1165S**

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

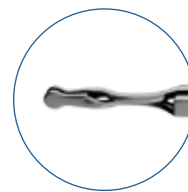
**7-11651S**

Inamura
Straight
Microincisional
Max opening 1.80 mm
Overall length 121 mm

**7-1166S**

Yeoh
Straight
Max opening 2.00 mm
Blunt atraumatic tips for complete nucleus separation during Femtosecond Laser Cataract procedure
Overall length 120 mm

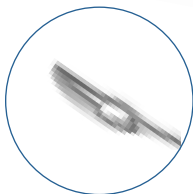
FEMTOCATARACT
p.162

**NEW****Crozafon Prechopper**

Provides easy releasing of entrapped gas bubbles for safer hydrodissection
Round handle
Overall length 118 mm
Stainless Steel

7-1167S**NEW**

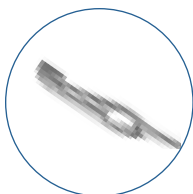
FEMTOCATARACT
p.162



Reduced thickness of the blades to use on shallow anterior chambers

Escaf Prechopper

Straight
Round handle
Overall length 118 mm
Stainless Steel

7-149S**NEW**

The tip is truncated so as not to hurt the edge of capsulorhexis when it is small

CHOPPERS

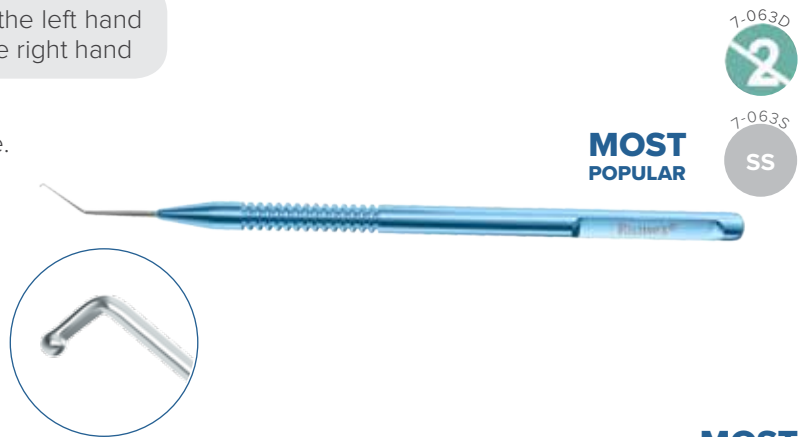
RHD for right handed surgeon - to hold in the left hand
LHD for left handed surgeon - to hold in the right hand

Stainless Steel hook with an ergonomic
lightweight round serrated Titanium handle.

Nagahara
Phaco Chopper

Overall length 120 mm

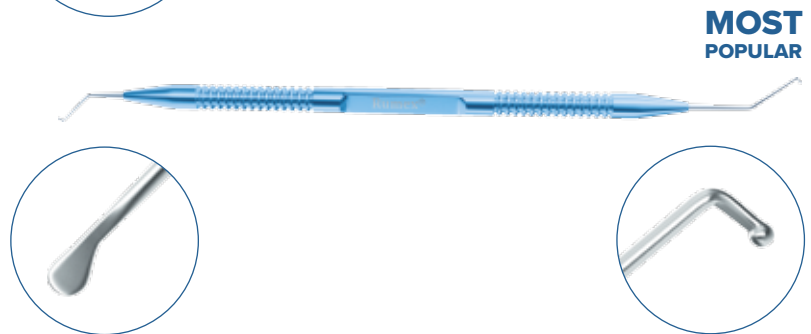
7-063 RHD (shown)
7-064 LHD



Nagahara
Phaco Chopper and Drysdale
Nucleus Manipulator

Overall length 133 mm

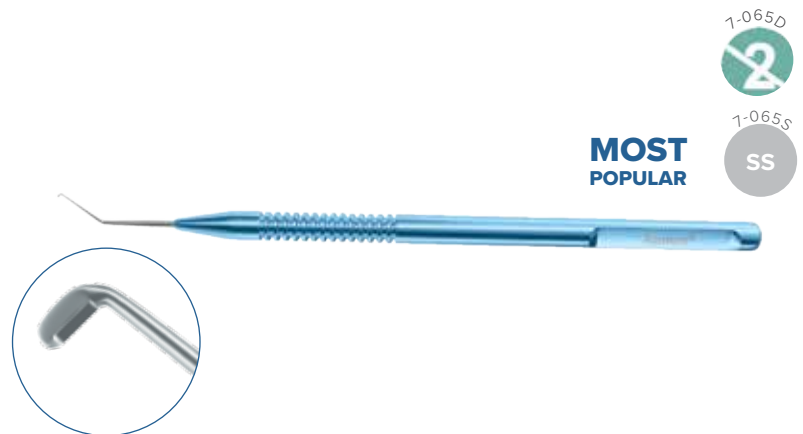
7-0631 Titanium handle (shown)
7-0631S Stainless Steel



Rosen
Phaco Chopper Universal

Overall length 120 mm

7-065



Rosen
Phaco Splitter

60 degree angled
Wedge shaped
Overall length 120 mm

7-066 RHD (shown)
7-067 LHD



Phaco Cleaver

Overall length 120 mm

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



Koch Nucleus Spatula

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

**Nucleus Claw Chopper**

Overall length 120 mm
7-072

**MOST
POPULAR****Intraocular Manipulator
with Ball-Shaped tip**

0.50 mm diameter ball tip
7-074 Straight
Overall length 123 mm
7-075 Angled (shown)
Overall Length 121 mm

**POPULAR****Small Pupil Snapper Hook
& Phaco Chopper**

Overall length 121 mm
7-077

**Double Phaco Spatula**

Small Pupil Snapper Hook & Micro Finger
Overall length 142 mm
7-079

**Drysdale
Nucleus Manipulator & Capsule Polisher**

For nucleus dividing and separating
Overall length 121 mm

7-093 Regular tip
7-0931 Capsule polisher tip

**MOST
POPULAR**7-0930
2

CHOPPERS

Micro Finger Chopper

Overall length 120 mm

7-097



POPULAR

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



7-1251S
SS

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



Triple Edge Phaco Chopper with Polisher Tip

Overall length 117 mm

7-126 Titanium handle (shown)

7-126S Stainless Steel



**MOST
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)

7-127S RHD Stainless Steel

7-1271 LHD Titanium handle

7-1271S LHD Stainless Steel



POPULAR

Quick Chopper with Rounded Edge

Overall length 120 mm

7-128 RHD

7-1281 LHD



POPULAR

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

7 - PHACO INSTRUMENTS

Seibel Chopper

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

7-130 RHD

**MOST
POPULAR**

**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

**Axe Quick Chopper**

Overall length 120 mm

7-135

**Slade/ Terao****Nucleus Splitter**

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

7-143* 23 Ga

NEW

**Nagy****Femtosecond Chopper**

Designed for Femtosecond Laser Assisted Cataract surgery
Cracking the nucleus through the laser-created lines
Overall length 122 mm

7-145

NEW

FEMTOCATARACT
p.162

**Donnenfeld****Femto Splitter**

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

7-146

NEW

FEMTOCATARACT
p.162



* 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.

20 Ga tip with Nagahara type chopper (for 1.00 mm incisions)

The end opening port provides maximum irrigation

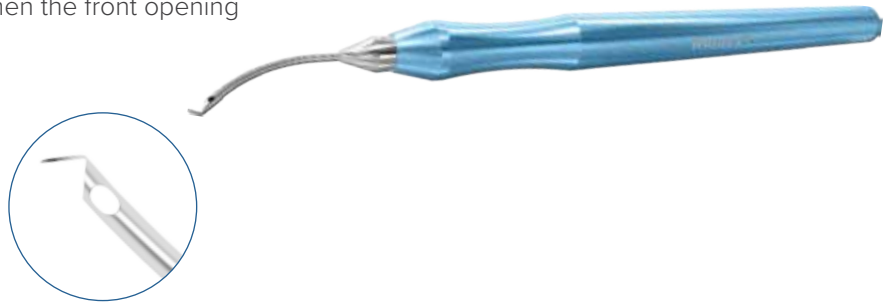
The dual oval side-ports 0.50×0.70 mm deliver supplemental irrigation in case when the front opening is overfilled

Round Handle

Overall length 105 mm

7-0634/I 20 Ga

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



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., USA



IRRIGATION/ASPIRATION HANDPIECES

Irrigation/Aspiration Handpiece for Coaxial Phaco

Round Titanium handle
Standard connectors
Overall length 110 mm



7-080/IAH

Tips for Irrigation/Aspiration Handpiece

Stainless Steel



Thornton 20° angled
7-080/20



Binkhorst
7-080/BC



Simcoe
7-080/SIM



45° Angled
7-080/45



90° Angled
7-080/90



Straight
7-080/ST

Irrigation Handpiece for Bimanual Technique

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



**MOST
POPULAR**

7-081 21 Ga
2×0.35 mm side-ports



POPULAR

7-0813 21 Ga
2×0.50 mm side-ports

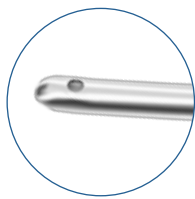


**MOST
POPULAR**

7-081-23 23 Ga
2×0.35 mm side-ports

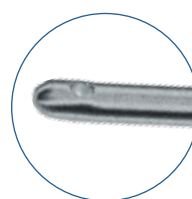
Aspiration Handpiece for Bimanual Technique

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



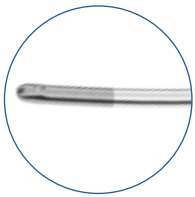
**MOST
POPULAR**

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



**MOST
POPULAR**

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



**MOST
POPULAR**

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

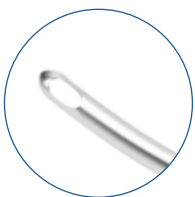


7-0826 23 Ga
 1×0.30 mm top-port
 Smooth tip
 Polished ball tip is safe and
 atraumatic for the capsular bag
 No need to enlarge the incision

Stodulka Enhanced Irrigation Handpiece for Bimanual Technique

Handpiece recommended for Bimanual Micro Phaco and Femtosecond Cataract surgery
 Curved tube
 Two ports on side 0.50×1.00 mm for optimal irrigation
 Smooth bullet-shaped tip facilitates instrument insertion
 Round Titanium handle
 Stainless Steel tip
 Overall length 105 mm

7-0811 21 Ga



NEW

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 locking handle
Overall length 135 mm
Titanium

8-080T



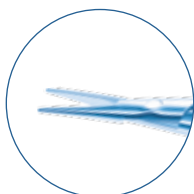
CASTROVIEJO NEEDLE HOLDER

Castroviejo Needle Holder

Flat handle
Titanium

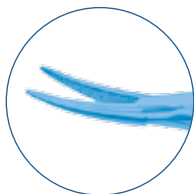


8-0921T w/lock
For 4.0-6.0 sutures
Straight delicate jaws, 13.50 mm
Overall length 122 mm



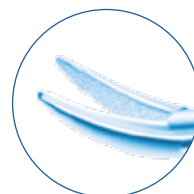
8-0921S
SS

8-096T w/o lock
For 7.0-9.0 sutures
Curved delicate jaws, 8 mm
Overall length 135 mm



8-096S
SS

8-100T w/lock For
4.0-7.0 sutures
Curved standard jaws, 11 mm
Overall length 140 mm



8-100S
SS

ING'S NEEDLE HOLDERS/SCISSORS

Ing's Needle Holder/Scissors

Combination of needle holder and scissors
in one instrument
Used to cut suture only
Straight
For 4.0-7.0 sutures
Long size jaws, 15 mm
Round handle
Overall length 105 mm
Stainless Steel

8-102S



COAXIAL / INTRAOCULAR NEEDLE HOLDERS

Intraocular Needle Holder

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

8-1211-23* 23 Ga



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

Coaxial Needle Holder

For IOL Suturing

Designed for IOL scleral fixation with suture through a small incision
For 9.0-11.0 sutures
Curved shaft
To be used with straight and curved spatulated needles with length up to 18 mm (Poly-propylene 10-0 or 9-0)
Titanium handle with plunger mechanism
Overall length 128 mm

8-120

19 Ga



BARRAQUER NEEDLE HOLDER

Tungsten carbide coated tips for better gripping

Lightweight

**MOST
POPULAR**

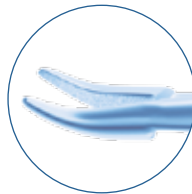
Barraquer Needle Holder

Ergonomic round handle
Titanium



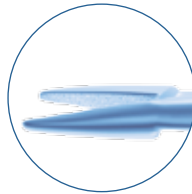
8-010T w/lock
8-011T w/o lock

For 4.0-7.0 sutures
Curved standard jaws, 12 mm
Overall length 100 mm



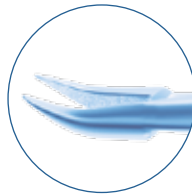
8-013T w/o lock

For 4.0-7.0 sutures
Straight standard jaws, 12 mm
Overall length 100 mm



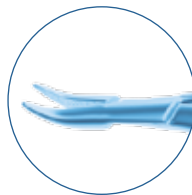
8-020T w/lock
8-021T w/o lock

For 4.0-7.0 sutures
Curved fine jaws, 12 mm
Overall length 100 mm



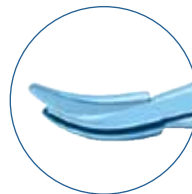
8-024T w/lock
8-025T w/o lock

For 8.0-11.0 sutures
Curved extra fine jaws, 8 mm
Overall length 100 mm



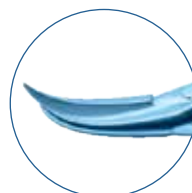
8-030T w/lock
8-031T w/o lock

For 4.0-7.0 sutures
Curved standard jaws, 12 mm
Overall length 115 mm



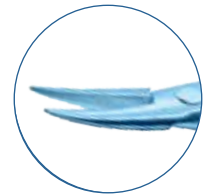
8-040T w/lock
8-041T w/o lock

For 4.0-7.0 sutures
Curved fine jaws, 12 mm
Overall length 115 mm



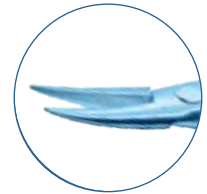
8-045T w/o lock

For 8.0-11.0 sutures
Curved extra fine jaws, 8 mm
Overall length 115 mm

8-045S
SS

8-050T w/lock
8-051T w/o lock

For 4.0-7.0 sutures
Curved extra fine jaws, 8 mm
Overall length 125 mm

8-051S
SS

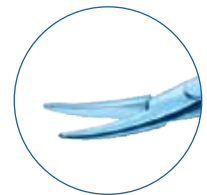
8-060T w/lock
8-061T w/o lock

For 4.0-7.0 sutures
Curved standard jaws, 12 mm
Overall length 125 mm



8-070T w/lock
8-071T w/o lock

For 4.0-7.0 sutures
Curved fine jaws, 12 mm
Overall length 125 mm

8-071S
SS

8-090T w/lock
8-091T w/o lock

For 4.0-6.0 sutures
Curved strong jaws, 12 mm
Overall length 125 mm

8-091S
SS

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

9 - PROBES

PROBES

Bowman
Lacrimal Probe

Overall length 133 mm
Stainless Steel

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

MOST
POPULAR

LACRIMAL
p.172

**Quickert**
Lacrimal Intubation Probe

Overall length 140 mm
Stainless Steel

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

LACRIMAL
p.172

**Pigtail**
Lacrimal Probe

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

9-031

POPULAR

OCULOPLASTIC
p.176

LACRIMAL
p.172

9-031S
SS

**Wilder**
Lacrimal Dilator

Blunt polished tip
Overall length 100 mm
Titanium

9-050T size 1 (19 mm)
9-051T size 2 (23 mm)
9-052T size 3 (32 mm)

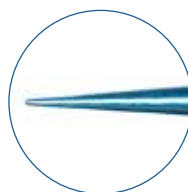
POPULAR

OCULOPLASTIC
p.176

LACRIMAL
p.172

9-050S
SS

9-051S
SS

**Castroviejo**
Double-Ended Lacrimal Dilator

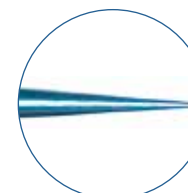
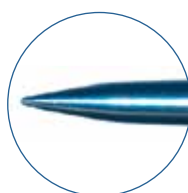
Polished tips
Overall length 100 mm
Titanium

9-060T size 1 & 2

MOST
POPULAR

LACRIMAL
p.172

9-060S
SS



RETRACTORS

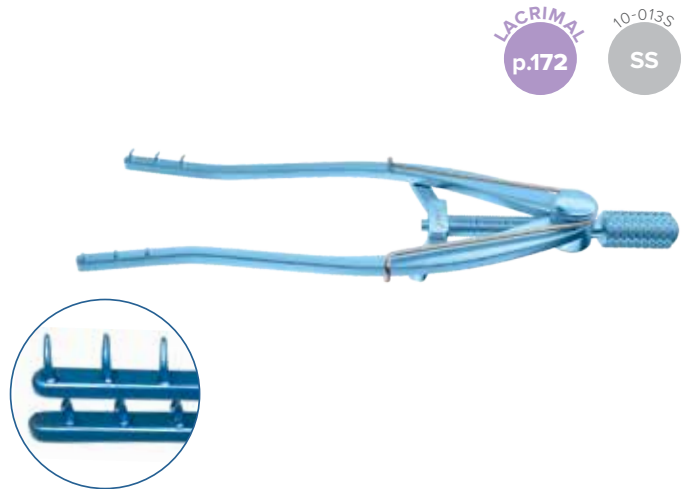
LACRIMAL SAC RETRACTORS

Stevenson

Lacrimal Sac Retractor

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

10-013



Knapp

Lacrimal Sac Retractor

8.00 mm width, four prongs tip
Overall length 140 mm

10-014 Blunt tips



LID & ORBITAL RETRACTORS

Desmarres

Lid Retractor

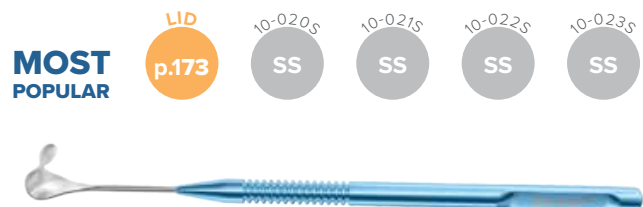
Overall length 130 mm

10-020 size 0 - 11 mm

10-021 size 1 - 13 mm (shown)

10-022 size 2 - 15 mm

10-023 size 3 - 17 mm



Schepens

Orbital Retractor

Overall length 144 mm

Stainless Steel

10-030S



Double-Ended Orbital Globe Retractor-Elevator

Double-Ended 10/14 mm wide
Thin ribbon retractor with a gentle "S" curve
Overall length 180 mm
Titanium

10-034T



IRIS (PUPIL) DILATORS

Iris Retractor*

Reusable, autoclavable, sterile
6 retractors in PTFE container

10-5127

STERILE

**MOST
POPULAR**

6
PER
BOX



Iris Retractor*

Disposable, Sterile

10-5016-1 1 pack of 4 pcs (4 retractors)
10-5067-1 1 pack of 5 pcs (5 retractors)

**MOST
POPULAR**



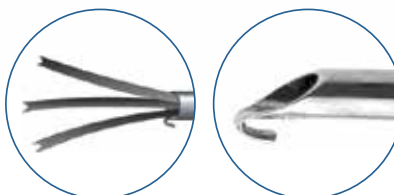
Beehler

Pupil Dilator

17 Ga
Curved shaft
Four prongs
Overall length 130 mm
Titanium

10-083

**MOST
POPULAR**

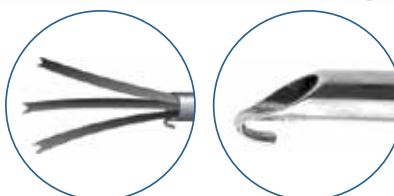


Beehler

Pupil Dilator with Plunger

17 Ga
Curved shaft
Four prongs
Overall length 130 mm
Titanium

10-091



*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 easy manipulations with tissues

Unique hardening system promoting 3,000+ cuts without resharpening

Maraging stainless steel

CORNEAL SCISSORS

Flat handle

Stainless steel

Castroviejo Corneal Scissors

Curved 11 mm blades
Blunt tips
Overall length 100 mm

11-010S Left
11-0101S Right



Katzin Corneal Transplant Scissors

Strongly curved medium blades
Blunt tips
Overall length 100 mm

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



**MOST
POPULAR**

CORNEAL
p.167

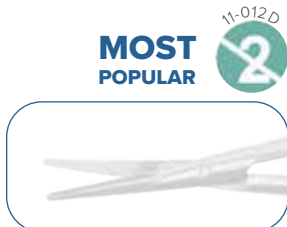
Castroviejo Universal Corneal Scissors

7.50 mm blades
Blunt tips
Overall length 102 mm

11-011S

11 mm blades
Blunt tips
Overall length 106 mm

11-012S



**MOST
POPULAR**

11-012D
2

Castroviejo Corneal Section Scissors

14 mm blades
Lower blade is longer than upper one
Overall length 106 mm

11-024S Right
11-0241S Left



**MOST
POPULAR**

CORNEAL
p.167

Castroviejo Universal Corneal Scissors

Curved 16 mm blades
Blunt tips
Overall length 110 mm

11-015S



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

11-038S Right
11-0381S Left



DALK
p.167

Osher Universal Corneal Scissors

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

11-013S



Corneal Universal Scissors

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



11-034S
11-035S

7.50 mm blades
11 mm blades (shown)

**MOST
POPULAR**



11 - SCISSORS

DLEK**Corneal Transplant Scissors**

Long blades

For the removal of the posterior cornea

Flat handle

Overall length 102 mm

Stainless Steel

11-036S

Medium curve

11-0361S

Strong curve

DLEK
p.169

11-036S



11-0361S

Holland Spatulated DALK Scissors

Vannas-style scissors with straight “micro blades” facilitating the dissection of stromal tissue

Rounded and blunt tips

Horizontally-oriented, spatulated tip keeps the scissors in the proper plane

Delicate, shortened outer blade

For RHD/LHD

Flat handle

Overall length 100 mm

Stainless Steel

11-134

Right

11-135

Left

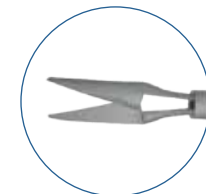
**NEW**DALK
p.168**IRIS SCISSORS****Zaldivar****Iridectomy Scissors**

Straight shaft

Compatible with Squeeze Handle 12-003T

11-03721*

23 Ga

**MOST
POPULAR****McPherson-Vannas****Iris Scissors**

Curved

8 mm blades

Sharp pointed tips

Round handle

Overall length 85 mm

Stainless Steel

11-062S

**MOST
POPULAR****Iris Scissors**

28 mm pointed tips from midscrew to tip

Ring handle

Overall length 115 mm

Stainless Steel

11-080S

Straight (shown)

11-081S

Curved



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

11-1223

POPULAR**STITCH SCISSORS****Westcott
Stitch Scissors**

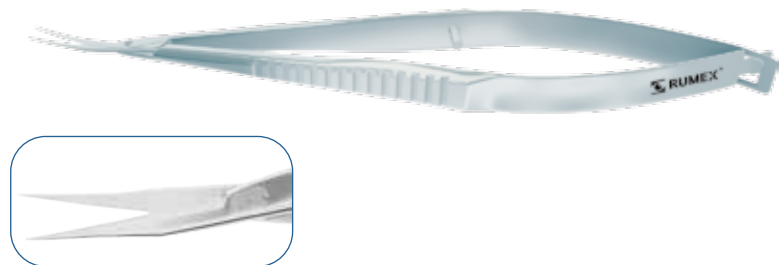
Gently curved
16 mm blades
Sharp pointed tips
Flat handle
Overall length 120 mm
Stainless Steel

11-044S

Standard jaws (shown)

11-125S

Westcott type slim jaws

**MOST
POPULAR****Westcott
Stitch Scissors**

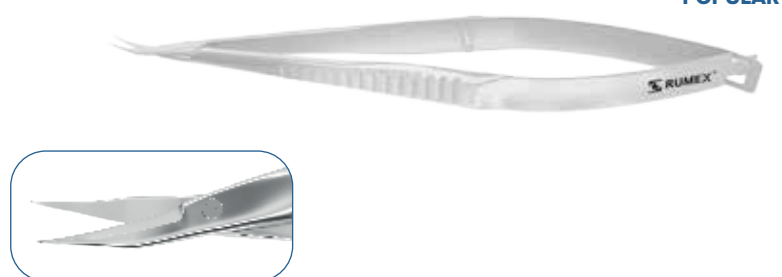
Gently curved
13 mm blades
Sharp pointed tips
Overall length 115 mm
Stainless Steel

11-046S

Flat Handle (shown)

11-047S

Round Handle

POPULAR**STRABISMUS SCISSORS****Knapp
Strabismus Scissors**

Ring handle
Overall length 115 mm
Stainless Steel

11-100S

Straight (shown)

11-101S

Curved

POPULAR

11 - SCISSORS

TENOTOMY SCISSORS

**MOST
POPULAR****Westcott
Tenotomy Scissors**

Flat handle
Curved
Blunt tips
Stainless steel

**Westcott
Tenotomy Scissors**

13 mm blades
Overall length 115 mm

11-040S**Westcott
Tenotomy Scissors**

15 mm blades
Overall length 116 mm
Right

11-048S**Westcott
Tenotomy Scissors**

16 mm blades Overall
length 120 mm

11-042S**Shepard-Westcott
Tenotomy scissors**

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

11-0481S**Stevens
Tenotomy scissors**

Ring handle
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)

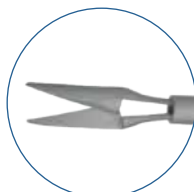
**MOST
POPULAR**

CAPSULOTOMY SCISSORS

Side-Port Capsulotomy Scissors

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

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



**MOST
POPULAR**

Capsulotomy Scissors

Sharp pointed tips
Flat handle
Stainless Steel



Vannas Capsulotomy Scissors

Straight
6 mm blades
9 mm from pivot to tip
Overall length 84 mm

11-050S



Gills-Vannas Capsulotomy Scissors

Straight
10 mm blades
13 mm from pivot to tip
Overall length 88 mm

11-056S



Vannas Capsulotomy Scissors

Curved
6 mm blades
9 mm from pivot to tip
Overall length 84 mm

11-052S



Gills-Vannas Capsulotomy Scissors

Curved
10 mm blades
13 mm from pivot to tip
Overall length 88 mm

11-058S



Vannas Capsulotomy Scissors

Angled
6 mm blades
9 mm from pivot to tip
Overall length 81 mm

11-054S



Gills-Vannas Capsulotomy Scissors

Angled
10 mm blades
13 mm from pivot to tip
Overall length 84 mm

11-0581S



Clayman-Vannas Swan Neck Capsulotomy Scissors

Straight
5 mm blades
7 mm from pivot to tip
Sharp pointed tips
Flat 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.177

Enucleation Scissors

Curved
Blunt tips
Ring handle
Stainless Steel

11-090S (shown) Medium Size

Blades from midscrew to tip - 38 mm
Overall length 128 mm

11-091S Large Size

Blades from midscrew to tip - 45 mm
Overall length 130 mm



IOL CUTTERS/ SCISSORS

Micro Foldable Lens Cutter

Straight scissors
Blades with notches
Curved shaft
Compatible with Squeeze
Handle 12-003T

4-2173* 19 Ga

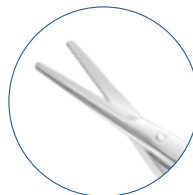


NEW

Osher IOL Scissors

Used to cut Silicone or Acrylic IOL
8.50 mm blades
Flat handle
Overall Length 91 mm
Stainless Steel

4-2175S



POPULAR

Rowen Rescue Kit Scissors

Straight Intraocular Scissors for Foldable
Lens Removal
Curved shaft
Used to remove silicone or acrylic IOL
in case of complications
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

SPATULAS

IRIS / NUCLEUS SPATULAS

Straight Spatula

Overall length 122 mm

13-010 0.25 mm width, 10 mm length

13-011 0.40 mm width, 14 mm length

13-014 1.00 mm width, 13 mm length

**MOST
POPULAR**

13-011S
SS

13-014S
SS



**MOST
POPULAR**

Curved Spatula

Overall length 122 mm

13-020 0.25 mm width, 12 mm length



**MOST
POPULAR**

13-031S
SS

Double Spatula

Overall Length 144 mm

13-031 0.50 & 1.00 mm width

Overall Length 134 mm

13-032 0.30 & 0.50 mm width



CYCLODIALYSIS SPATULAS

Castroviejo

Double-Ended Cyclodialysis Spatula

Overall length 136 mm

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

POPULAR

GLAUCOMA
p.170



Castroviejo

Cyclodialysis Spatula

Overall length 124 mm

13-051 1.00 mm width, 10 mm length

13-052 0.75 mm width, 10 mm length



FEMTOSECOND CATARACT SPATULAS

Donnenfeld Femto Spatula

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

Overall length 122 mm

20-2041



NEW

FEMTOCATARACT
p.162

10 serrations for intraocular measurement
(from 1 mm to 10 mm with 1 mm increment)

Spatula for Femtosecond Laser Procedure

This delicate instrument is used for opening cataract incisions 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



NEW

20-204D
2

FEMTOCATARACT
p.162

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



NEW

FEMTOCATARACT
p.162

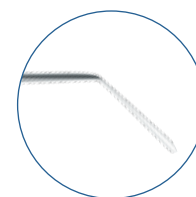
CORNEAL SPATULAS

Paton Spatula and Spoon

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

Overall length 150 mm

13-110



DSEK, DSAEK, DMEK SPATULAS

Corneal Dissector

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



Corneal Dissector

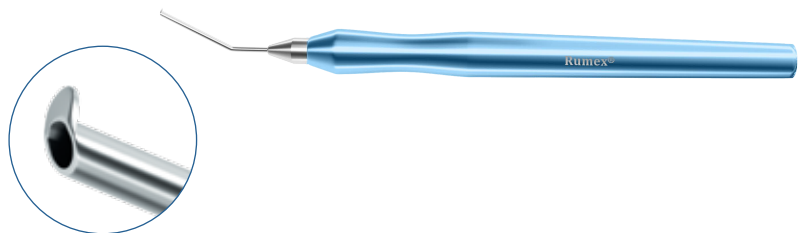
Curved (curvature radius 22 mm)
For intrastromal dissection
45° angled shaft
12 mm from tip to angle
Overall length 127 mm
13-138



DSEK, DSAEK, DMEK
p.168

Irrigating Endothelial Stripper

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



DSEK, DSAEK, DMEK
p.168

Spatula-Guide

For corneal endothelium implantation
Overall length 122 mm
Titanium
13-150T



DSEK, DSAEK, DMEK SPATULAS

Cindy

Sweeper DSEK Spatula

Angled shaft
12 mm from bent to tip
0.70 mm diameter
Overall length 111 mm
Stainless Steel

13-151S



Carlson

DSEK Smoother

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

13-152S



Terry

DSEK Scraper

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

13-153S

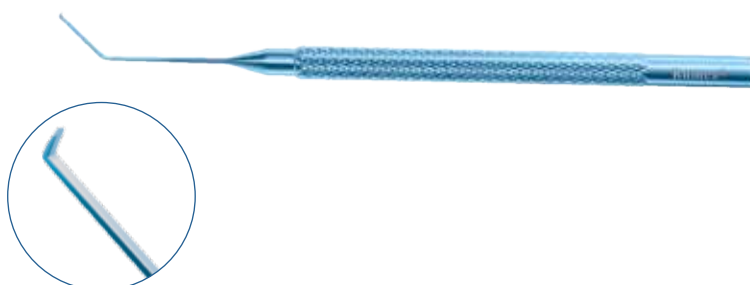


Melles Style 1

DSAEK PLK Scraper

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

13-154T

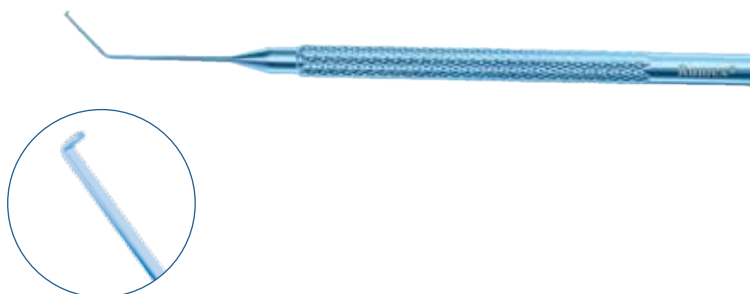


Melles Style 2

DSAEK PLK Scraper

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

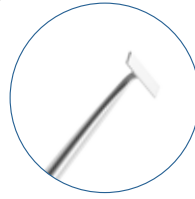
13-155T



John DSAEK Descemet's Stripper

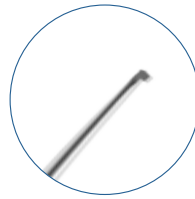
Curved shaft
14 mm from bent to tip
"T" shape 1.50 mm wide x 0.60 mm high tip
Overall length 121 mm

13-1491

**NEW****John Dextatome DMEK/DSAEK Spatula**

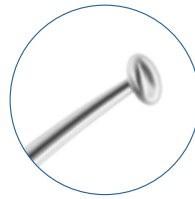
Spatula for removal of the Descemet's membrane as a single disc
Strongly vaulted shaft
Overall length 119 mm

13-182

**NEW**DSEK, DSAEK, DMEK
p.168**John DSAEK Stromal Scrubber**

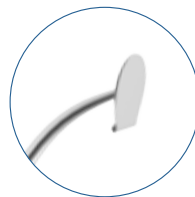
Strongly vaulted shaft
Overall length 120 mm

13-183

**NEW**DSEK, DSAEK, DMEK
p.168**John DSAEK Glider**

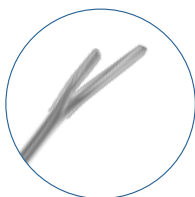
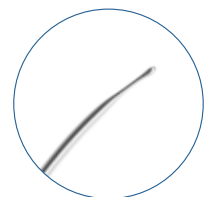
Used to diminish and eliminate donor disk wrinkles at the donor host interface
Overall length 114 mm

13-184

**NEW**DSEK, DSAEK, DMEK
p.168**Tan Marginal DMEK Dissector**

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.

13-185

**NEW**

13 - SPATULAS

DLEK SPATULASDLEK
p.169**Manipulator for DLEK procedure**

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

13-160

**DALK SPATULAS**DALK
p.168**Trisector for DALK Procedure**

Flat 1.40×0.70 mm tip
Facilitates separation of the rest of stromal
attachments from Descemet's membrane
at the periphery.
Blunt bottom surface is safe for the
Descemet's membrane.
The anterior surface has an edge that
facilitates the enlarging of stromal opening
with a blade.
Overall length 124 mm

13-170

DALK
p.168**Spatula for DALK Procedure**

Flat 1×9 mm tip
The center groove can be used as a guide
for the blade, facilitating the enlarging of
stromal opening.
Blunt bottom surface is safe for
Descemet's membrane.
Overall length 122 mm

13-171

DALK
p.168**Dissector for DALK Procedure**

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

13-172



FOREIGN BODY 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.16320-001S
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.163

LASIK
Spatula and Flap Retreatment Instrument

Double-ended
Overall length 133 mm

20-013

LASIK
p.163

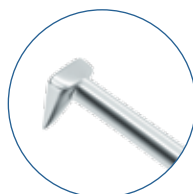
LASEK SPATULAS

LASEK

Epithelial Micro Hoe

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

20-131

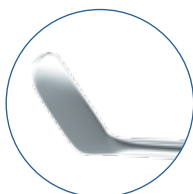


LASEK
p.163

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

LASEK
p.163

SMILE SPATULAS

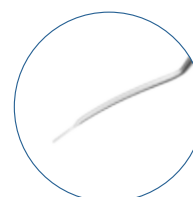
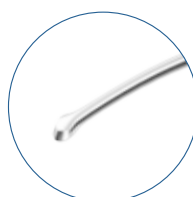


Designed in cooperation
with Pavel Stodulka, M.D.,
Czech Republic

Stodulka ReLEx Smile Double Lenticule Spatula

Blunt spoon and flat spatula
Overall length 140 mm

20-207



POPULAR

ReLEx Smile Double Lenticule Spatula

Blunt spoon and shortened atraumatic spatula

Overall length 139 mm

20-2071



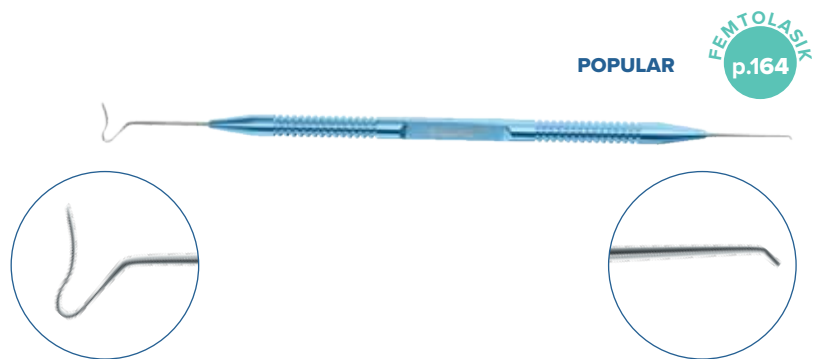
NEW

FEMTOLASIK SPATULAS

FemtoLASIK Flap Spatula

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

20-201



FemtoLASIK Flap Spatula

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

20-202



Zaldivar FemtoLASIK Spatula

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

20-203



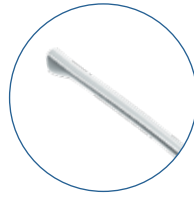
ICL™ SPATULAS

Pallikaris ICL™ Manipulator

Designed to place the lens corners under the iris

Sandblasted tip
Overall length 123 mm

13-141



ICL™ — registered trademark of STAAR®

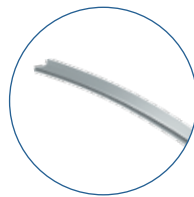
ICL
p.165

Zaldivar ICL™ Manipulator

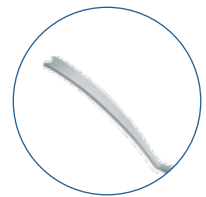
Double-ended instrument with slightly forked tips to place the lens corners under the iris

Overall length 128 mm

13-142



ICL™ — registered trademark of STAAR®



ICL
p.165

ICRS SPATULAS

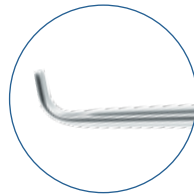
Elevator for ICRS Implantation

Used 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.166

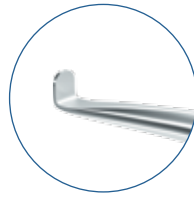
Suarez Spreader

Used 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.166

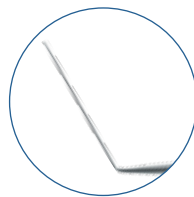
Bicalto Guide

Used to lift the cornea for inserting the Tunnel Maker beneath the guide

Blunt tip

Tip dimensions: 0.30 mm height, 0.10 mm width, 5 mm length
Overall length 121 mm

13-147



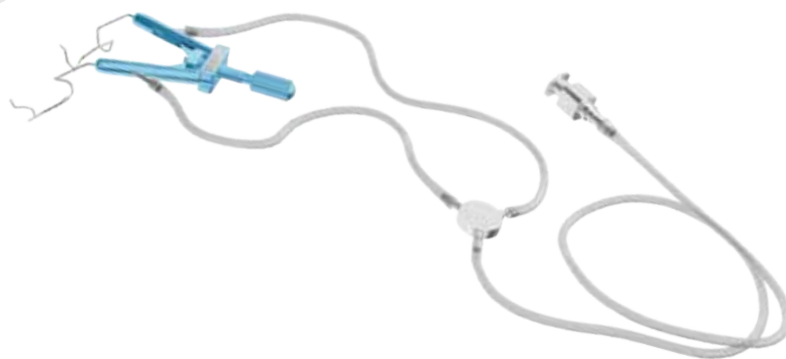
ICRS
p.166

SPECULUMS

SPECULUMS WITH ASPIRATION

Thumb-screw control to adjust lid tension

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

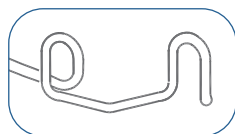


Kershner

14-060s
SS

Reversible
Can be used both for nasal
& temporal approach.
14.00 mm solid blades
Overall length 70 mm
14-060A Adult

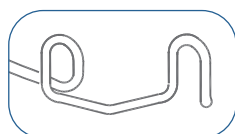
**MOST
POPULAR**



Lieberman Style

Temporal
14.00 mm "V" style open
blades
Overall length 78 mm
14-080A Adult

POPULAR



Child Lieberman Style

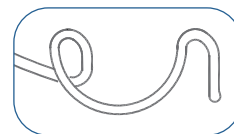
Temporal
10.00 mm «V» style open
blades
Overall length 64 mm
14-082A Child

Lieberman Style for LASIK

Temporal
14.00 mm rounded open
blades
Overall length 78 mm
14-080LA Adult

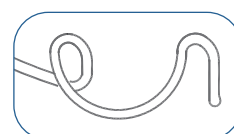
LASEK
p.163

FEMTOLASIK
p.164



Lieberman Style for LASIK

Nasal
14.00 mm rounded open
blades
Overall length 75 mm
14-081LA Adult



14 - SPECULUM

LANCASTER SPECULUMS

Thumb-screw control to adjust lid tension

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

14-045T

NEW**CASTROVIEJO / KERSHNER SPECULUMS****Castroviejo**

14 mm fenestrated blades

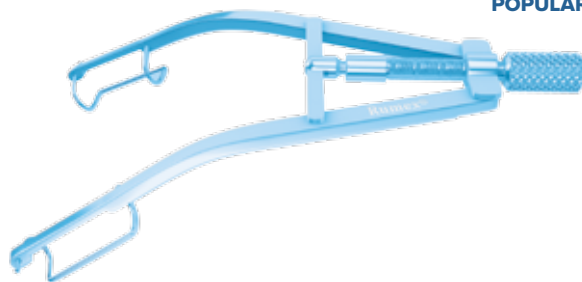
Blades spread 30 mm

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

Fenestrated 14 mm blades

Flat branches

Overall length 70 mm

Titanium

14-062T Adult

**MOST
POPULAR**

14-0601S

SS

14-0605S

SS

Kershner

Solid 14 mm blades

Overall length 70 mm

Titanium

14-060t Adult, Round branches

14-0601T Adult, Flat branches



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

**MOST
POPULAR**

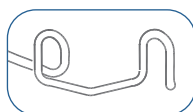


Temporal Speculum
Lieberman Style
Titanium

14-040T Adult

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

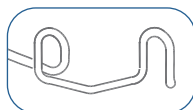
14-040S
SS



14-042T Child

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

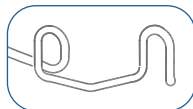
14-042S
SS



14-0401T Adult

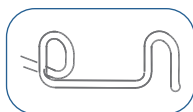
14 mm «V» style open
blades
Flat branches
Overall length 76 mm

14-0401S
SS



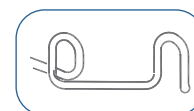
14-040TK Adult

14 mm Kratz style open
blades
Round branches
Overall length 71 mm



14-0401TK Adult

14 mm Kratz style open
blades
Flat branches
Overall length 76 mm



14-040TL Adult

For LASIK
14 mm rounded open
blades
Round branches
Overall length 71 mm

FEMTOLASIK
p.164

LASEK
p.163



Specially designed to
accommodate microkeratome suction ring

14-0401TL Adult

for LASIK
14 mm rounded open
blades
Flat branches
Overall length 76 mm



NASAL SPECULUMS LIEBERMAN STYLE

Thumb-screw control to adjust lid tension

Nasal Speculum

Lieberman Style

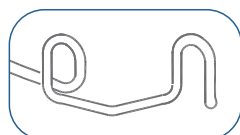
Titanium

14-041T Adult

14 mm «V» Style open blades

Round branches

Overall length 76 mm



**MOST
POPULAR**

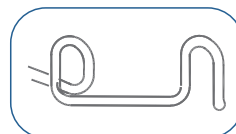


14-041TK Adult

14 mm Kratz style open blades

Round branches

Overall length 76 mm

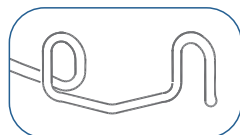


14-043T Child

10 mm «V» Style open blades

Round branches

Overall length 76 mm

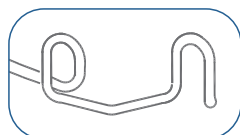


14-0411T Adult

14 mm «V» Style open blades

Flat branches

Overall length 76 mm



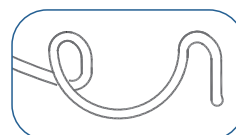
14-0411TL Adult

for LASIK

14 mm rounded open blades

Flat branches

Overall length 70 mm



POPULAR

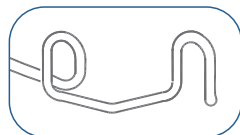
Specially designed to accommodate microkeratome suction ring

14-0431T Child

10 mm «V» Style open blades

Flat branches

Overall length 76 mm



SAUER SPECULUMS

Sauer

Solid blades

Blade spread 20 mm

Overall length 35 mm

14-030 Child (8 mm blades)

14-031 Newborn (5 mm blades)

14-032 Premature (4 mm blades)

POPULAR



WIRE SPECULUMS

Angled for temporal approach

Stainless Steel



**MOST
POPULAR**



Barraquer

Closed wire rounded blades

14-022S Adult

14 mm blades,
Overall length 45 mm

14-023S Child

11 mm blades,
Overall length 38 mm

14-024S Infant

10 mm blades,
Overall length 38 mm

14-0244S Newborn

4 mm blades,
Overall length 25 mm



Barraquer

Solid blades

14-0221S Adult

14 mm blades,
Overall length 40 mm

14-0231 Child

11 mm blades,
Overall length 35 mm

14-0241S Newborn

5 mm blades,
Overall length 28 mm

14-0222S Premature

4 mm blades,
Overall length 28 mm

**MOST
POPULAR**



**MOST
POPULAR**

Barraquer

Open blades

14-025S Adult

14 mm blades,
Overall length 45 mm

14-026S Child

11 mm blades,
Overall length 40 mm



**MOST
POPULAR**

Barraquer

Closed wire blades

14-028S Adult

14 mm blades,
Overall length 40 mm

14-0281S Child

11 mm blades,
Overall length 36 mm



Barraquer

Open rounded blades

14-0282S Adult

14 mm blades,
Overall length 40 mm



Barraquer

Open blades

14-0286S Adult

14 mm blades,
Overall length 45 mm

14-0287S Child

10 mm blades,
Overall length 36 mm

Slade-Murdoch Speculum

Adjustable Wire Speculum

Parallel retraction design. Open 14 mm blades. Quick installation and removal due to self-locking mechanism. Blades specially curved to facilitate laser docking without increasing external pressure.

Overall length 51 mm

Titanium

14-052T



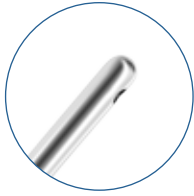
FEMTOCATARACT
p.162

NEW

CANNULAS

ANESTHESIA CANNULAS

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



**Sub-Tenon's
Anesthesia Cannulas**

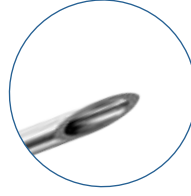
Para Needle

Curved

0.30 mm side port

15-009 19 Ga × 25 mm

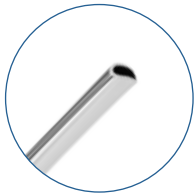
POPULAR



Atkinson

Retrobulbar Needle

15-001-23 23 Ga × 38 mm



**Sub-Tenon's
Anesthesia Cannulas**

Curved

Flattened tip

Front opening

15-013-19 19 Ga × 25 mm



**Sub-Tenon's
Anesthesia Cannulas**

Curved, 3 ports

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

15-051-30 30 Ga × 22 mm

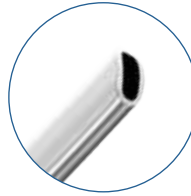
6 mm angled tip

15-052-27 27 Ga × 22 mm

8 mm angled tip

15-053-27 27 Ga × 22 mm

POPULAR



**Bishop Harmon
Anterior Chamber Cannula**

8 mm angled tip

Angled 40°

Spatulated

15-055-19 19 Ga × 25 mm



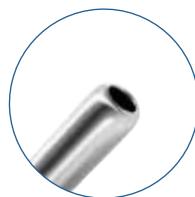
POPULAR

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
Smooth blunt tip
Front opening

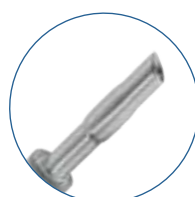
15-061-26 26 Ga × 20 mm

**Lewicky**

Anterior Chamber Maintainer

Silicone tubing attached
Unique annular rings for self-retaining

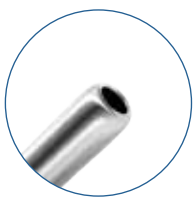
15-065 20 Ga × 3.5 mm tip

**Jaymce**

Anterior Chamber Maintainer

Bulbus tip allows easy insertion
and minimum tissue disturbance

15-1067 20 Ga × 4 mm from tip

**Irrigating Cannulas**

Straight
Blunt polished tip

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

**Girard**

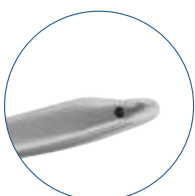
Anterior Chamber Maintainer

with Atkinson point
20 cm silicone tubing

15-067 23 Ga × 5 mm tip

POPULAR**IRRIGATING/ASPIRATING CANNULAS**

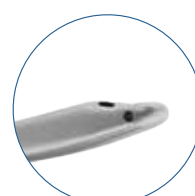
Used for removing cortical debris or viscoelastic solution while maintaining the anterior chamber during Cataract surgery

**Simcoe**

I/A Cannula with Silicone Tubing

Regular
Irrigation through 0.30/0.40 mm port
Aspiration through tubing

15-129-0.3 23/23 Ga
15-129-0.4 23/22 Ga



Reverse

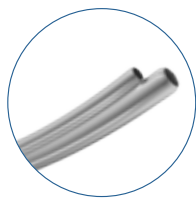
Aspiration through 0.30/0.40 mm port
Irrigation through tubing

15-133-0.3 23/23 Ga
15-133-0.4 23/22 Ga

POPULAR

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

15 - CANNULAS

**Gills**

I/A Cannula with Silicone Tubing

Side by side front opening

15-119 23/23Ga

**J Shaped**

I/A Cannula with Silicone Tubing

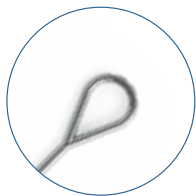
Regular

"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 mm wide, 9 mm long

15-183 23 Ga × 35 mm

**Sheets**

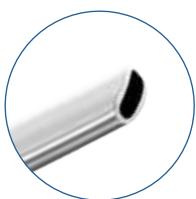
Irrigating Vectis

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

15-203 21 Ga × 38 mm

HYDRODISSECTION/HYDRODELINEATION CANNULAS

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

**McIntyre**

Nucleus Hydrodissector

Flattened on the horizontal plane tip provides the broad stream of fluid
Angled 45°, 11 mm angled tip15-071-23 23 Ga × 22 mm
15-071-25 25 Ga × 22 mm
15-071-27 27 Ga × 22 mm**Chang**

Nucleus Hydrodissector

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

15-0681 27 Ga × 16 mm

**Pearce**

J-Shaped Micro Hydrodissector

1.75 mm wide, 2.25 mm long hook
"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

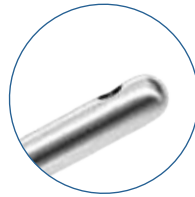
Used to remove cortical material during phacoemulsification



McIntyre-Binkhorst

Blunt tip, front opening

15-079L 26 Ga × 22 mm, left



Simcoe

Cortex Extractor Cannula

Smooth closed tip

15-091-13/23 23 Ga × 13 mm



CYSTOTOME CANNULAS

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



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



Microincisional

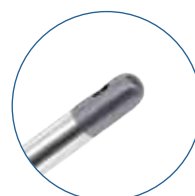
Capsule Polisher

Disc-shaped sandblasted tip

Curved tube for better visualization

For a sub-2 mm incision

15-170 23 Ga × 25 mm



Kratz

Capsule Polisher

0.30 mm top-port

Angled, sandblasted 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

15-159-27 27 Ga × 28 mm



POPULAR

GLAUCOMA CANNULA

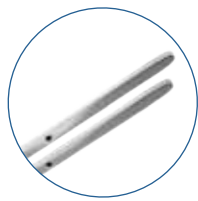


Viscocanalostomy Cannula for Glaucoma surgery

5 mm beveled tip, slightly angled micro-gauge cannula
For viscoelastic injection during Glaucoma surgery

15-1051-30 30 Ga × 20 mm

REFRACTIVE CANNULAS



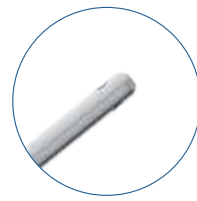
Vidaurri

LASIK Irrigation Cannula

8 irrigating ports

Universal cannula simultaneously irrigates
both sides of the flap, washes the stromal bed
and enables the flap positioning

15-371-25 25/16 Ga × 22 mm with 12 mm shaft



Buratto

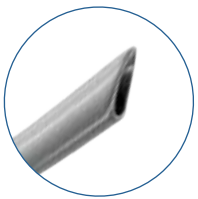
LASIK Irrigation Cannula

45° angled triport

15-379-25 25 Ga × 32 mm

FEMTOLASIK
p.164

LASIK
p.163



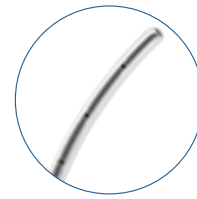
LASIK
p.163

Slade

LASIK Cannula

Flattened spatulated tip

15-376 26 Ga × 25 mm



LASIK
p.163

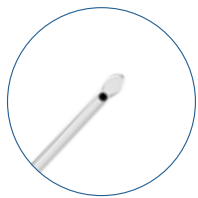
POPULAR

Banaji

LASIK Irrigation Cannula

4 ports, curved
0.25 mm on periphery

15-373-25 25 Ga × 22 mm



MOST
POPULAR

DALK
p.168

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



Gimbel

LASIK Fountain Cannula

Right, single-port

15-378R 25 Ga × 25 mm

LACRIMAL CANNULAS

For surgical treatment, repair and irrigation of the nasolacrimal system



**Malleable
Lacrimal Cannulas**

Reinforced

20 Ga shaft, having reinforced 12 mm 23 Ga cannula

15-027 23 Ga × 32 mm, straight

15-029 23 Ga × 32 mm, curved
(shown)

LACRIMAL
p.172



**Bailey
Lacrimal Cannula**

Exposed tip, straight

For infants, short 20 Ga straight shaft,
having 7 mm exposed tip of 23 Ga

15-031 23 Ga × 15 mm



**Shahinian
Lacrimal Cannula**

Smooth bullet-shaped tip

15-032 25 Ga × 35 mm



POPULAR

**Fasanella
Lacrimal Cannula**

Gently curved

15-033 23 Ga × 42 mm



**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

RUST RING REMOVAL

Alger Brush Rust Ring Remover

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

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

**MOST
POPULAR**



Tungsten Burrs Replacement Burrs for Alger Brush

Box of 5
Overall length 22 mm
Non-sterile

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

**MOST
POPULAR**



PTERYGIUM INSTRUMENTS

Alger Brush Pterygium Instrument

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

16-051-2.5 with 2.50 mm round fine grit diamond burr
16-050-3.5 with 3.50 mm round medium grit diamond burr
16-050-5.0 with 5.00 mm disk-shaped medium grit diamond burr

**MOST
POPULAR**

PTERYGIUM
p.171



Diamond Burr Brush Replacement burrs for Alger Brush

Burr only
Diamond dusted tip

16-051-2.5B 2.50 mm round fine grit diamond burr
16-051-3.5B 3.50 mm round medium grit diamond burr
16-052-5.0B 5.00 mm disk-shaped medium grit diamond burr

**MOST
POPULAR**



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

EYE CAUTERY

Electric Eye Cautery

Battery operated

Low temperature

16-041 Adjustable fine tip

16-042 Elongated fine tip



FIXATION RINGS

Fine-Thornton

Phaco Fixation Ring

3/4 open ring with swivel

Titanium

16-036T 13 mm diameter ring with teeth

Overall length 96 mm

16-0341T 14 mm diameter ring with teeth

(shown) Overall length 98 mm

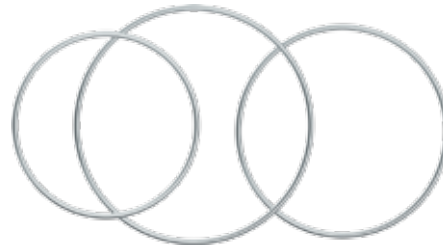


FLIERINGA RINGS

Flieringa Rings

Sutured to the sclera to support the globe during difficult eye operations

Stainless Steel



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

INJECTORS

Injector

16-253

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 counterclockwise.

Back cover of the instrument can be easily opened to flush and clean the inner mechanism of the injector.

Overall length 162 mm



IOL Injector for cartridges

16-2806* For A , B, C cartridges

16-2808* For D cartridge

POPULAR

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

With a ring

For A, B, C, D cartridges

Can be supplied with **4-2141T IOL Loading Forceps**

Overall length 236 mm

Titanium



*Not for sale in USA, Japan, Germany, Switzerland

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

INJECTORS

IOL Injector for D cartridge

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

For D cartridge

Can be supplied with 4-2141T IOL Loading Forceps

Overall length 212 mm

Titanium



IOL Injector NaviJect™

NEW

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

Specially designed ring handle for precise control. To be used with IOL cartridges CAT-22, CAT-24, CAT-27

Overall length 136 mm

Titanium

16-2853



LENS LOOPS

Wilder

Lens Loop

4 mm width

Overall length 134 mm

16-072



**MOST
POPULAR**

16-072S
SS

LID PLATES

Lid Plate

20 mm and 24 mm wide

Non-reflective surface

Overall length 110 mm

Stainless Steel or Titanium

16-50S (shown

16-50T



POPULAR

OCULOPLASTIC
p.176

LID
p.173

PUNCHES & RONGEURS

Belz

Lacrimal Sac Rongeur

Polished finish

Overall length 185 mm

Stainless Steel

16-138



LACRIMAL
p.172

Kelly

Descemet's Membrane Punch

Creates precise 0.75 mm round hole without tissue tags

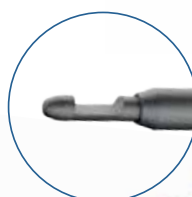
Serrated squeeze action

Titanium handle

Stainless Steel tip

Overall length 131 mm

16-011



**MOST
POPULAR**

GLAUCOMA
p.170

16-011S
SS



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

RUMEX**Corneoscleral Punch**

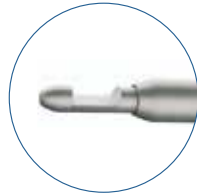
Set of Stainless Steel tips:
0.50 mm, 0.75 mm, 1.00 mm, 1.50 mm
Titanium handle
Overall length 110 mm

16-010

**Trabeculectomy Punch****Micro Punch**

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

16-0111* 20 Ga

**POPULAR**LACRIMAL
p.172**Kerrison****Rongeur**

3 mm wide
9 mm opening
Polished finish
Overall length 140 mm
Stainless Steel

16-136 size 0

**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

16-111S Stainless Steel

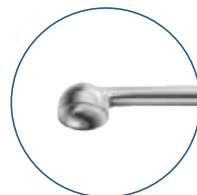
**MOST
POPULAR****SPOONS & CURETTES****Bunge****Evisceration Spoon**

16-061 small size
Overall length 137 mm

16-062 large size
Overall length 141 mm

ENUCLEATION
p.177**Meyerhoefer****Chalazion Curette**

Overall length 135 mm

**MOST
POPULAR**CHALAZION
p.17416-063S
SS16-064S
SS16-065S
SS16-066S
SS16-067S
SS

16-063 size 0 (1.50 mm)

16-064 size 1 (1.75 mm)

16-065 size 2 (2.00 mm)

16-066 size 3 (2.50 mm)

16-067 size 4 (3.50 mm)

*Tip only. Handles are sold separately.

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

16 - MISCELLANEOUS

Wells**Enucleation Spoon**

Overall length 145 mm 16-060



ENUCLEATION
p.177

SURGICAL MALLETS & CHISELS**Surgical Chisel**

3 mm

Stainless Steel

16-137

**Surgical Mallet**

Polished finish

Stainless Steel

16-135



LACRIMAL
p.172

NASAL SPECULUMS**Nasal Speculum**

Polished finish

Overall Length 150 mm

Stainless Steel

16-127

Adult size



LACRIMAL
p.172

TRABECULOTOMES**Harms****Trabeculotome**

9 mm long pointed tips with 3 mm spread

Overall length 51 mm

Stainless Steel

16-012S Left (shown)

16-013S Right



GLAUCOMA
p.170

TREPHINES**Corneal Trephine Blades**

Polished finish

Stainless Steel

16-0300 6.00 mm

16-0301 6.50 mm

16-0303 7.00 mm

16-0305 7.50 mm

16-0306 7.75 mm

16-0307 8.00 mm

16-0308 8.25 mm

16-0309 8.50 mm

16-0310 9.00 mm

16-0311 9.50 mm



POPULAR

CORNEAL
p.167

TUNNEL MAKERS**Tunnel maker**

Internal diameter 4.40 mm

External diameter 5.60 mm

Stainless Steel

16-173S Left

16-174S Right



ICRS
p.166

PERIOSTEAL ELEVATORS**Tenzel Periosteal Elevator**

Shaft size to tip is 30 mm

Paddle size is 4 mm (width)

Paddle thickness is 1.40 mm

Overall length 130 mm



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

STERILIZING TRAYS

Size Chart

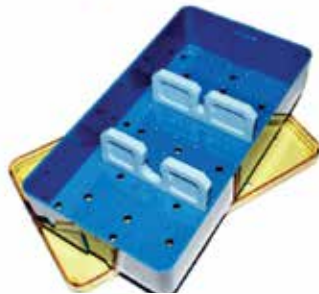
item	Inserts	Dimensions		Size	Configuration	Accommodates, number of instruments
		mm	in			
Plastic Trays						
18-300	2 silicone plug-in inserts	190×101×38	7.5×4×1.5"	Medium	Single level	1
18-301-1	2 silicone plug-in inserts	152×63.5×19	6×2.5×0.75"	Small	Single level	2
18-305-1	2 silicone plug-in inserts	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	254×152.4×38	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.

190×101×38 mm
7.5×4×1.5'

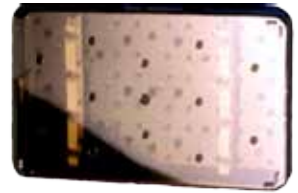
18-300



POPULAR

190×101×19 mm
7.5×4×0.75'

18-303-1



254×152.4×38 mm
10×6×1.5'

18-305-1



152×63.5×19 mm
6×2.5×0.75'

18-301-1

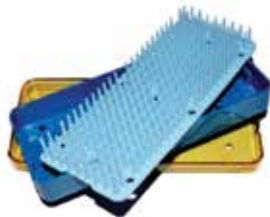


MOST

POPULAR

152×63.5×19 mm
6×2.5×1.5'

18-301



190×101×38 mm
7.5×4×1.5'

18-300-1



190.5×63.5×19 mm
7.5×2.5×0.75'

18-308

165×101×19 mm
6.5×4×0.75'

18-302



POPULAR

68.60×38×25.4 mm
3×1.5×1'

18-307

190×101×19 mm
7.5×4×0.75'

18-303 **POPULAR**

254×152×19 mm
10×6×0.75'

18-304

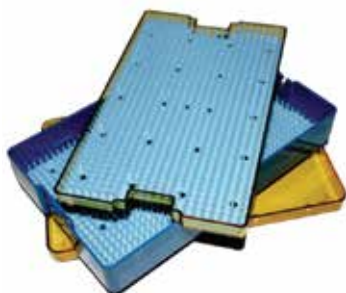
MOST

POPULAR

Double level

254×152.40×38 mm
10×6×1.5'

18-305



NEW**ALUMINUM TRAYS**

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.

Come with silicone finger tip mat.

155×65×20 mm
6×2.5×0.8'

18-319

155×65×40 mm
6×2.5×1.5'

18-320

200×65×20 mm
2.5×7.75×0.8'

18-321



200×110×20 mm
7.75×4.25×0.8'

18-322

200×110×40 mm
7.75×4.25×1.5'

18-323



260×160×20 mm
10.25×6.25×0.8'

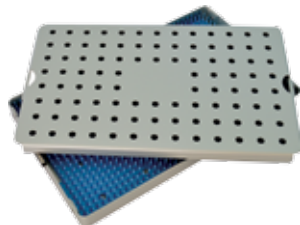
18-324

260×160×40 mm
10.25×6.25×1.5'

18-325

260×160×80 mm
10.25×6.25×3.25'

18-328



Double Level

260×160×40 mm
10.25×6.25×1.5'

18-326

260×160×80 mm
10.25×6.25×3.25'

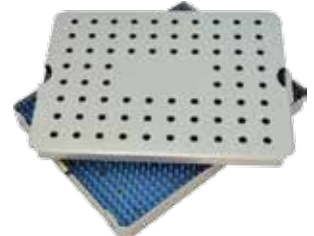
18-327



3 Sections

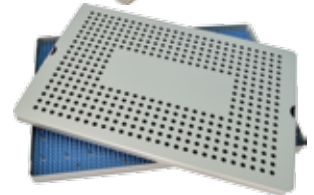
215×165×20 mm
8.5×6.5×0.8'

18-331



310×235×20 mm
12.25×9.25×0.8'

18-332



Double Level + Open Section

375×220×45 mm
14.75×8.75×1.75'

18-333

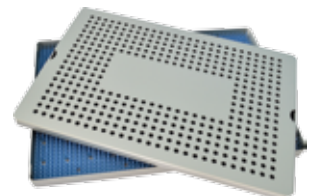


390×265×20 mm
15.5×10.5×0.8'

18-334

390×265×40 mm
15.5×10.5×1.5'

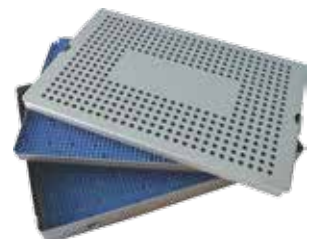
18-335



Double Level

390×265×40 mm
15.5×10.5×1.5'

18-336

**STAINLESS STEEL TRAYS**

with Silicone Mat, Double Level
240×240×60 mm
9.5×9.5×2.5'

18-318



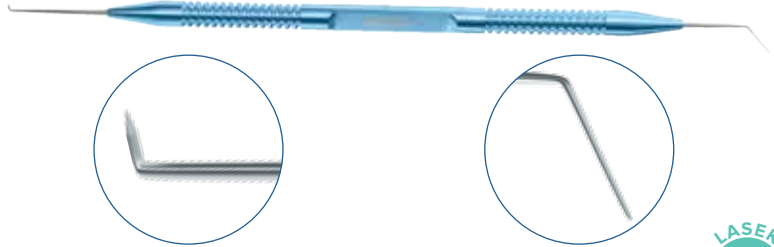
LASEK/ LASIK INSTRUMENTS

SPATULAS

LASIK

Spatula and Flap Retreatment Instrument

Double-ended
Overall length 133 mm
20-013



LASIK
p.163

LASEK Epithelial Micro Hoe

Can be used to detach the edge of the epithelium flap
Overall length 120 mm
20-131



LASEK
p.163

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 the epithelium repositioning after ablation.
Overall length 128 mm

20-0011



POPULAR

LASEK
p.163

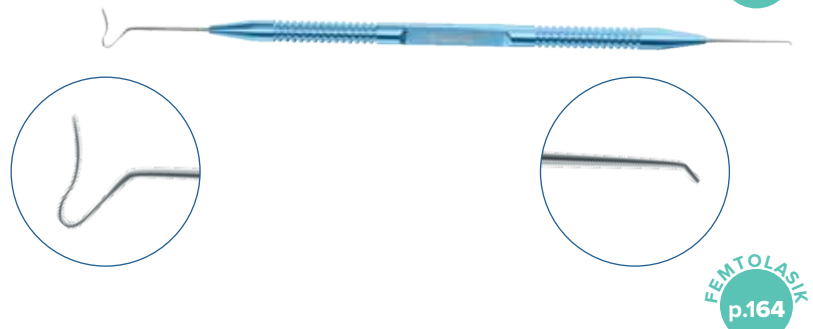
SPATULAS

FemtoLASIK

Flap Spatula

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

20-201



FemtoLASIK

Flap Spatula

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

20-202

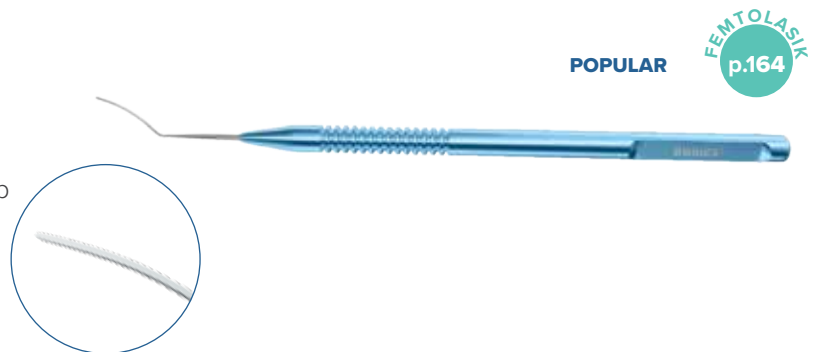


Zaldivar

FemtoLASIK Spatula

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

20-203



EPITHELIUM REMOVAL KNIVES

Hockey Knife

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

20-001



POPULAR

LASIK
p.163

20-001S
SS

Lindstrom

LASIK / PRK Spatula and Epithelium Removal Board
Semi-sharp end is designed for epithelium removal.
Fine spatula on the other end is used for flap manipulation during LASIK surgery.
Overall length 148 mm

20-002



LASIK
p.163

TREPHINES AND FUNNELS

LASEK Trephine

for epithelial flap creation

Depth of the incision - 70 µm
Overall length 128 mm

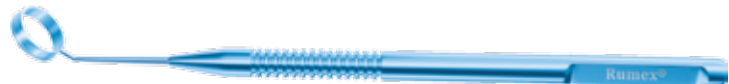
20-1011 8.00 mm
20-1021 9.00 mm



LASEK Funnel

For the application of the alcohol solution
For 8 mm and 9 mm optical zones
Overall length 129 mm
Titanium

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



LASEK Trephine & Funnel

For epithelial flap creation

Depth of the incision - 70 µm
For the application of the alcohol solution
For 8 mm and 9 mm optical zones
Overall length 142 mm

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



LASEK
p.163

MARKING PENS

Marking Pen

Double-ended

20-050

MOST
POPULAR

2

10
PER
BOX



**MOST
POPULAR**

Best-selling item

POPULAR

Item preferred by many customers

NEW

Recently introduced into the product range of RUMEX International Co.

**COMING
SOON**

This item will be available in RUMEX range soon (as of Fall 2020)



Disposable instruments



Available in a single-use edition



Available in Stainless Steel



Featured instrument in the set on page 100

**DON'T FORGET
TO BUY**

Frequently bought together



Quantity in the box



VITREORETINAL INSTRUMENTS AND CONSUMABLES

FEATURED PRODUCTS	137
HANDLES FOR VITREORETINAL INSTRUMENTS	139
SCISSORS	140
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EPIRETINAL FORCEPS	142
PICK/SUBRETINAL FORCEPS	143
FOREIGN BODY REMOVAL FORCEPS	143
MEMBRANE INSTRUMENTS	144
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DISPOSABLE INSTRUMENTS WITH PLASTIC HANDLE	149
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FEATURED PRODUCTS

Universal End-Grasping Forceps with Asymmetrical Branches



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



POPULAR

12-420-23	23 Ga
12-420-25	25 Ga
12-420-27	27 Ga
Tip only	

End-Grasping Forceps



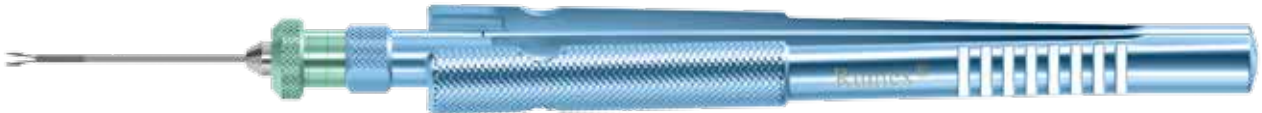
The special design of the tips promotes delicate, precise and safe ILM peeling. The strengthened jaws ensure enhanced gripping power. Expanded space between branches contributes to greater visualization of the grasped membrane in the macular area.



POPULAR

12-4013	23 Ga
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.



MOST POPULAR

12-304	20 Ga
12-304-23	23 Ga
12-304-25	25 Ga
Tip only	

VITREORETINAL INSTRUMENT TIPS, MANUAL CLEANING, GAUGE CONVERSION CHART, COLOR CODE SYSTEM

We offer various models of vitreoretinal tips that can be adjusted to Universal Handles (12-001T or 12-003T)*.



Gauge Conversion Chart		
Gauge	(inch)	(mm)
19 Ga	0.043	1.10
20 Ga	0.036	0.90
21 Ga	0.032	0.80
22 Ga	0.028	0.70
23 Ga	0.025	0.63
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)

**MOST
POPULAR**

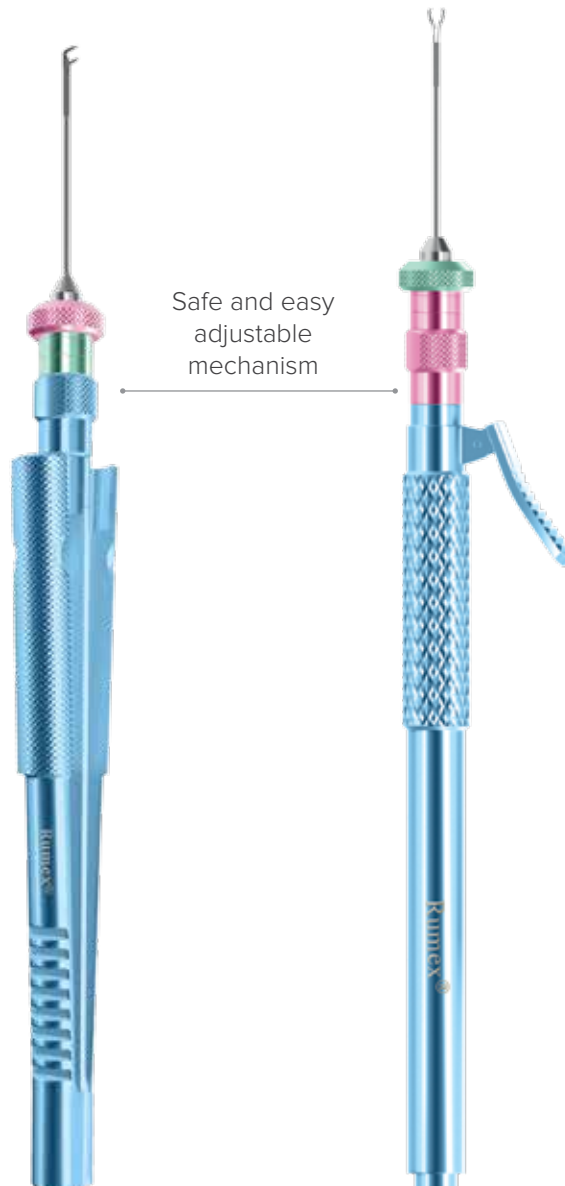


Ergonomic Model

Two Fingers Control
Squeeze Handle

12-003T

- Two fingers linear actuation
- Ergonomic handle with specially designed gripping area for amplified control over the instrument
- Optimal diameter round handle allows 360° rotation
- Non compatible with the following tips: 12-206, 12-313, 12-321, 12-335, 12-412



**MOST
POPULAR**

Classic Model

One Finger Control
Handle

12-001T

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

Adjustable screw mechanism (to customize the opening of branches before manipulation)

*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

SCISSORS*

Designed for cutting membranes and junction zones of the proliferative tissue



MOST POPULAR

Vertical Scissors

70°
Sharp tips

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

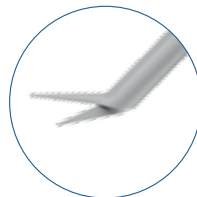


COMPATIBLE WITH 12-003T ONLY

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

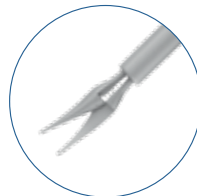


Curved Subretinal Scissors

Curvature radius 12 mm

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

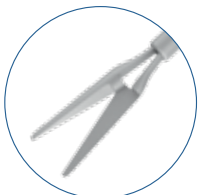
MOST POPULAR



Straight Scissors

Blunt tips

12-211 20 Ga



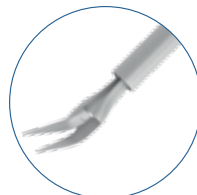
Horizontal Scissors

Angled

45°

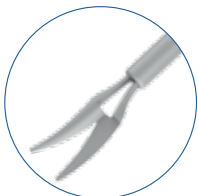
with illumination

12-2084 20 Ga



Side Curved Scissors

12-215 20 Ga

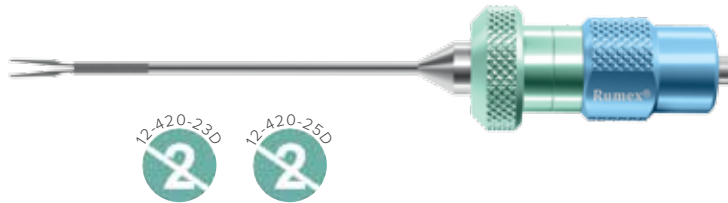


*Handles are sold separately! **Colors of details may differ slightly from those displayed in this catalog.

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

INTERNAL LIMITING MEMBRANE (ILM) FORCEPS

Delicate branches for ILM peeling



ILM

POPULAR

Asymmetrical End-Grasping Forceps

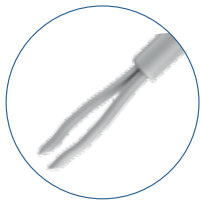
Standard branches,
28 mm tube (23 Ga)

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

Elongated branches,
30 mm tube
Designed for myopic eyes

12-4202-23	23 Ga
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Enhanced visualization!



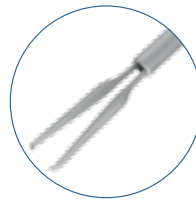
ILM

MOST POPULAR

Eckardt End-Gripping Forceps

12-410	20 Ga
12-410-23	23 Ga
12-410-25	25 Ga
12-410-27	27 Ga

NEW

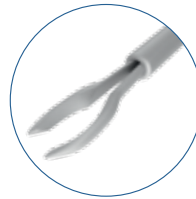


ILM

Tano Asymmetrical End-Gripping Forceps

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

POPULAR



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.

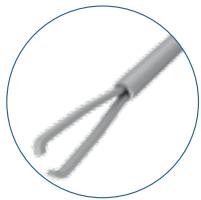
ILM

End-Grasping Forceps

Expanded space
between branches

12-4013	23 Ga
---------	-------

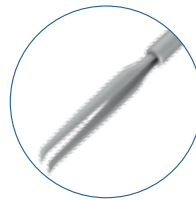
Enhanced visualization!



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.

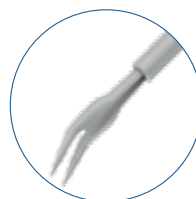
Tanaka Maculorhexis Forceps

12-414	23 Ga
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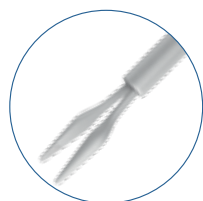
Kawai ILM Forceps

12-415	25 Ga
--------	-------



EPIRETINAL FORCEPS*

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



ERM

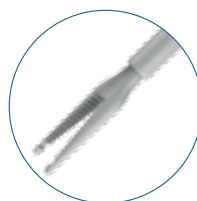


Gripping Forceps

with a sandblasted platform

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

**MOST
POPULAR**

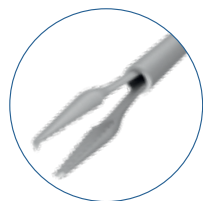


ERM

End-Gripping Forceps

with serrated micro jaws

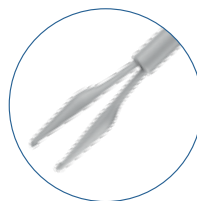
12-400	20 Ga
--------	-------



ERM

Lucke Multipurpose Forceps

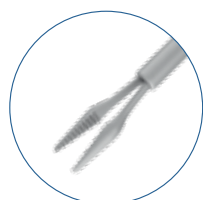
12-3044	20 Ga
---------	-------



End-Gripping Forceps

with extended gripping area at the end of the tip

12-401	20 Ga
12-4012	23 Ga



ERM

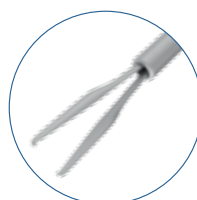


Gripping Forceps

with a "crocodile" platform

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

**MOST
POPULAR**



End-Gripping Forceps

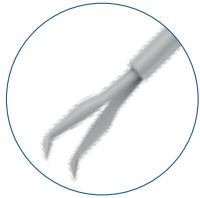
with nail shaped jaws

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

POPULAR

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

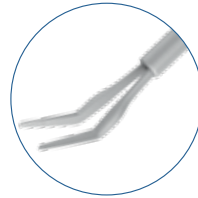
*Handles are sold separately! **Colors of details may differ slightly from those displayed in this catalog.
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PICK / SUBRETINAL FORCEPS***Pick Forceps**

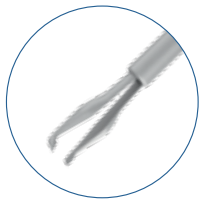
12-325
12-325-23
12-3259



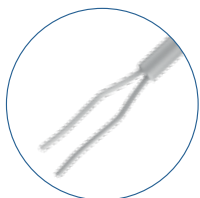
20 Ga
23 Ga
25 Ga

**MOST
POPULAR****Angled Gripping
Forceps**

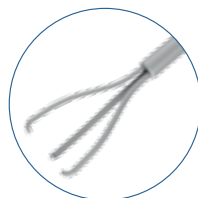
12-303 20 Ga

**De Juan
Pick Forceps**

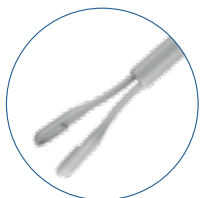
12-413 20 Ga

FOREIGN BODY REMOVAL FORCEPS***COMPATIBLE
WITH 12-003T ONLY****Avci Foreign
Body Forceps**

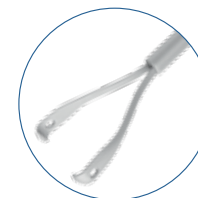
12-412** 17 Ga

**Spring Gripping
Forceps**

12-321** 20 Ga **COMPATIBLE
WITH 12-003T ONLY**
12-321-23*** 23 Ga **POPULAR**

**COMPATIBLE
WITH 12-003T ONLY****Vitreoretinal
Forceps**

with cup jaws
12-313** 20 Ga

**COMPATIBLE
WITH 12-003T ONLY****Stolyarenko
Forceps**

for large foreign bodies
12-335** 20 Ga **POPULAR**

*Tip only. Handles are sold separately.

** Compatible with Universal Handle 12-003T only

*** Compatible with Universal Handles 12-001T and 12-003T

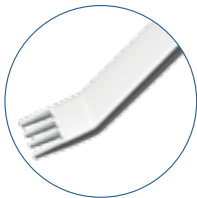
MEMBRANE INSTRUMENTS



**MOST
POPULAR**

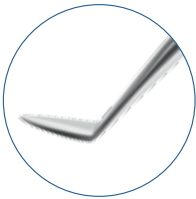
Delicate Membrane Pick
Overall length 134 mm

- | | |
|-----------|-------|
| 13-097-23 | 23 Ga |
| 13-0979 | 25 Ga |
| 13-097-27 | 27 Ga |



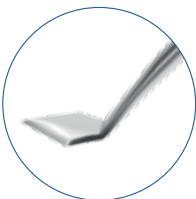
Membrane Scratcher
Overall length 135 mm

- | | |
|--------|-------|
| 13-092 | 20 Ga |
|--------|-------|



Ogura PVD Spatula
Overall length 132 mm

- | | |
|------------|-------|
| 13-1081-23 | 23 Ga |
|------------|-------|

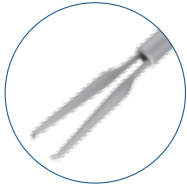


BRVO Knife
Designed for performing a lateral CRVO incision
Overall length 132 mm

- | | |
|------------|-------|
| 13-1091-23 | 23 Ga |
|------------|-------|

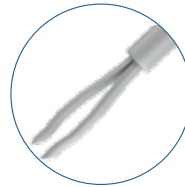
23 GAUGE INSTRUMENTS*

ILM

**MOST
POPULAR**Eckardt
End-Gripping Forceps

12-410-23

23 Ga

Asymmetrical
End-Gripping ForcepsElongated branches, 30 mm
Designed for myopic eyes

12-4202-23

23 Ga

Enhanced visualization!

**POPULAR**Tano Asymmetrical
End-Gripping
Forceps

12-411-23

23 Ga

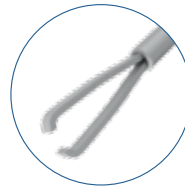
**POPULAR**Asymmetrical
End-Gripping Forceps

12-420-23

23 Ga



Enhanced visualization!

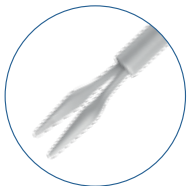
**POPULAR**End-Gripping
ForcepsExpanded space
between branches

12-4013

23 Ga

Enhanced visualization!

ERM

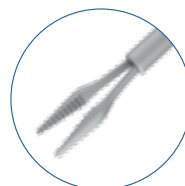
**MOST
POPULAR**

Gripping Forceps

with a sandblasted
platform

12-301-23

23 Ga

**MOST
POPULAR**

Gripping Forceps

with a "crocodile" platform

12-304-23

23 Ga

**MOST
POPULAR**

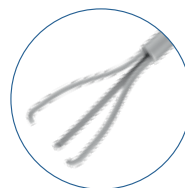
Vertical Scissors

70°

Sharp tips

12-202-23

23 Ga

**POPULAR**Spring Gripping
Forceps

12-321-23

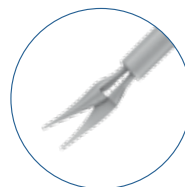
23 Ga

**MOST
POPULAR**

Pick Forceps

12-325-23

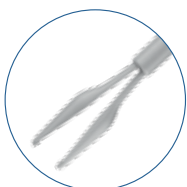
23 Ga

**MOST
POPULAR**Curved Subretinal
Scissors

Curvature radius 12 mm

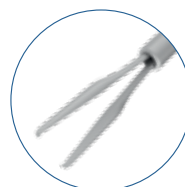
12-209-23

23 Ga

End-Gripping
Forcepswith extended gripping area
at the end of the tip

12-4012

23 Ga

**POPULAR**End-Gripping
Forceps

with nail shaped jaws

12-402-23

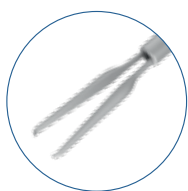
23 Ga

*Tip only. Handles are sold separately.

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

25 GAUGE INSTRUMENTS*

ILM



**MOST
POPULAR**

Eckardt End-Gripping
Forceps

12-410-25

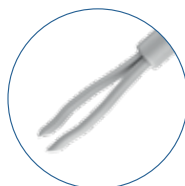
25 Ga



Tano Asymmetrical
End-Gripping Forceps

12-411-25

25 Ga



Asymmetrical
End-Grasping Forceps

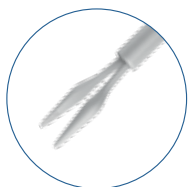
12-420-25

25 Ga

Enhanced visualization!



ERM



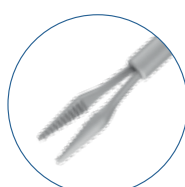
POPULAR

Gripping Forceps

with a sandblasted
platform

12-3019

25 Ga



**MOST
POPULAR**

Gripping Forceps

with a "crocodile" platform

12-304-25

25 Ga



POPULAR

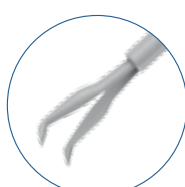
Vertical Scissors

45°

Sharp tips

12-2029

25 Ga

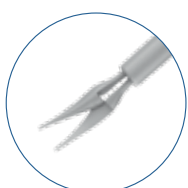


POPULAR

Pick Forceps

12-3259

25 Ga



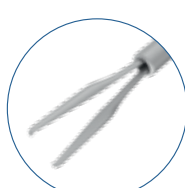
**MOST
POPULAR**

Curved Subretinal
Scissors

Curvature radius 12 mm

12-2099

25 Ga



POPULAR

End-Gripping Forceps

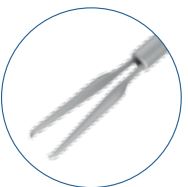
with nail shaped jaws

12-4089

25 Ga

27 GAUGE INSTRUMENTS*

ILM

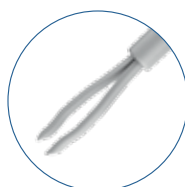


NEW

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

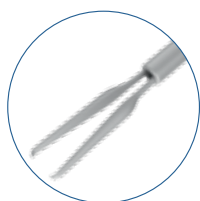
REUSABLE ONE-PIECE VITREORETINAL INSTRUMENTS WITH RUMEX FLUSHING SYSTEM



The tip can be easily cleaned without disassembling (see page 184)

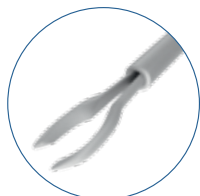
Special flushing cannula is provided for free!

ILM



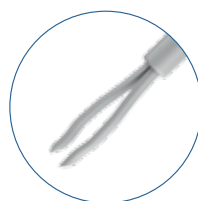
**Eckardt End-Gripping
Forceps**

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



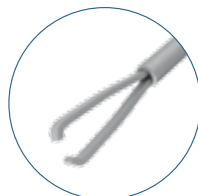
**Tano Asymmetrical
End-Gripping Forceps**

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



**Asymmetrical End-Grasping
Forceps**

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



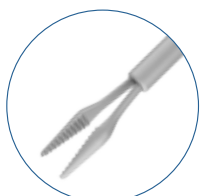
End-Grasping Forceps

Expanded space
between branches

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

Enhanced visualization!

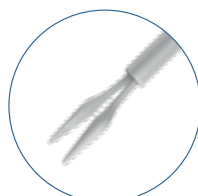
ERM



Gripping Forceps

with a "crocodile" platform

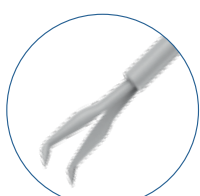
12-304-23H 23 Ga
12-304-25H 25 Ga



Gripping Forceps

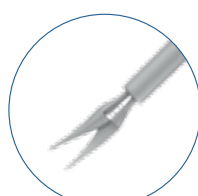
with a sandblasted platform

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



Pick Forceps

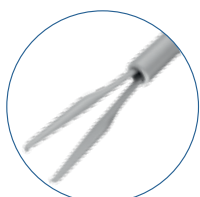
12-325-23H 23 Ga
12-325-25H 25 Ga



**Curved Subretinal
Scissors**

Curvature radius 12 mm

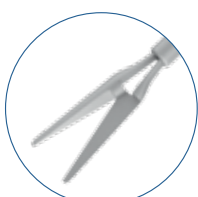
12-209-23H 23 Ga
12-209-25H 25 Ga



End-Gripping Forceps

with nail shaped jaws

12-402-23H 23 Ga
12-402-25H 25 Ga



Straight Vitreoretinal Scissors

Blunt tips

12-211-23H 23 Ga
12-211-25H 25 Ga

Other models of tips in 20/23/25 and 27 Ga are available upon request.

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

DISPOSABLE STAINLESS STEEL ONE-PIECE INSTRUMENTS

SS

STERILE

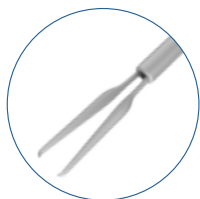
2

6

Most popular models of scissors and forceps in 23 and 25 Ga
All instruments are supplied sterile, in a box of 6



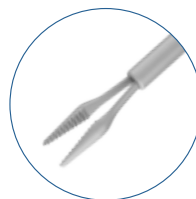
ILM

MOST
POPULAR

Disposable Eckardt
End-Gripping Forceps

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

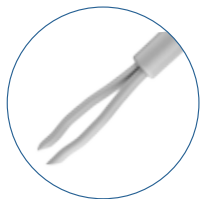
ERM

MOST
POPULAR

Disposable Gripping
Forceps

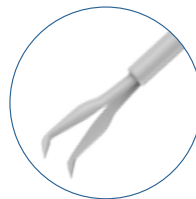
with a "crocodile" platform
12-304-23D 23 Ga
12-304-25D 25 Ga

ILM

MOST
POPULAR

Disposable Asymmetrical
End-Grasping Forceps

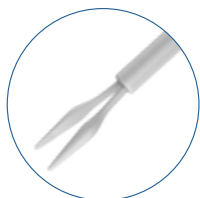
12-420-23D 23 Ga
12-420-25D 25 Ga



Disposable Pick
Forceps

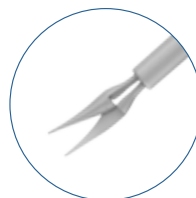
12-325-23D 23 Ga
12-325-25D 25 Ga

ERM

MOST
POPULAR

Disposable Gripping
Forceps
with a sandblasted platform

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



Disposable 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 FOR POSTERIOR SEGMENT*

NEW

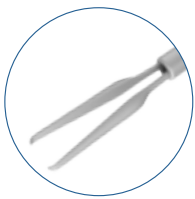
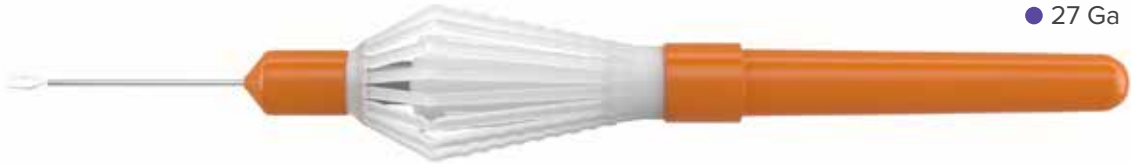
STERILE

2

6
PER
BOX

The unique 360-degree handle is designed to actuate the instrument from whatever position it falls in your hand or in the eye what enhances the utility of the instrument.

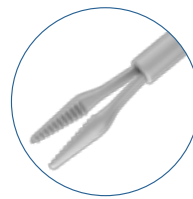
- 23 Ga
- 25 Ga
- 27 Ga



Eckardt End Gripping Forceps

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

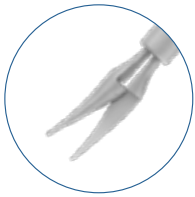
VITREORETINAL
p.178-180



Gripping Forceps with a "Crocodile Platform"

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

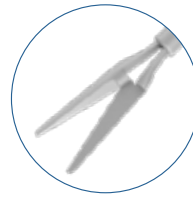
VITREORETINAL
p.178-180



Curved Scissors

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

VITREORETINAL
p.178-180



Straight Scissors

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



Vertical Scissors

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

VITREORETINAL
p.178-180

DISPOSABLE DIAMOND DUSTED RETRACTABLE ILM ELEVATOR**

NEW

STERILE

2

5
PER
BOX

Used to elevate membrane edge during vitreoretinal surgery

Diamond dusted soft silicone tip provides an extreme grip

Retractable version for easy insertion through the trocar valves



12-7523	23 Ga
12-7525	25 Ga



VITREORETINAL
p.178-180

*Not for sale in the US and Europe

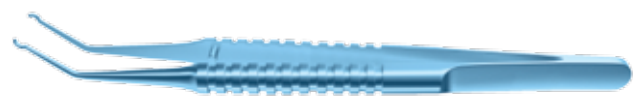
**Not for sale in Europe

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

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
 - Sterilizing tray – 1 pc

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

MOST POPULAR

Loading Forceps

12-5186	23/25 Ga
---------	----------

Instrument Cannula Inserter

12-5187-25	25 Ga
------------	-------

Fixation Plate

12-5188	23/25 Ga	POPULAR
---------	----------	---------

MVR Knives

Multifacet blade, sterile



Straight	MOST POPULAR	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

POPULAR

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 STEP TROCAR SYSTEM***STERILE****2****6**
PER BOX**Disposable Trocar Systems with closure valves**

Package 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



VITREORETINAL
p.178-180

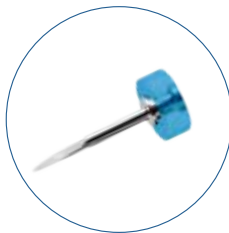
12-5244

25 Ga

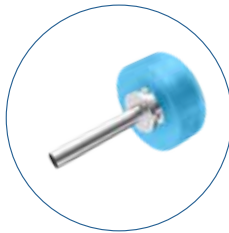


12-5227

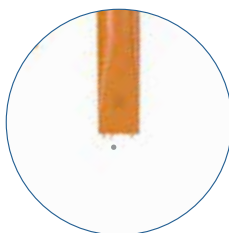
27 Ga

**NEW****Trocar Knife**

Spear point (MVR style) blade helps create a smooth incision and provides for low pressure insertion and superior sealing

**Trocar Cannulas**

Stainless steel cannulas are equipped with the silicone valves, that eliminate the need for plugs and promote easy instrument insertion

**Trocar Cannula Inserter**

The proximal end of the plastic handle (opposite to the knife) can be used as a caliper (2 dimensions, 3.00 and 4.00 mm) and a scleral marker

Universal Infusion Line for BSS

*Not for sale in Europe

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

REUSABLE BACKFLUSH HANDLES

Used with the backflush cannulas (page 153).



**MOST
POPULAR**

Reusable Backflush Handle

Titanium

12-6000	Active Aspiration
12-6010	Passive Aspiration

Replacement Reservoir for Backflush Handle*

Disposable, Sterile, 5 per Box

12-5159	Active Aspiration
12-5147	Passive Aspiration

VITREORETINAL
p.178-180

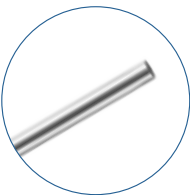
DISPOSABLE BACKFLUSH INSTRUMENTS*

NEW **STERILE** **2** **6**

The instruments combine the ergonomic 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.

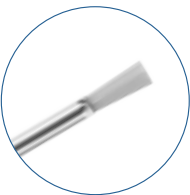
**Color code
system**

- 23 Ga
- 25 Ga
- 27 Ga



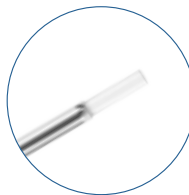
With **blunt tip** (Charles Flute)

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



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

VITREORETINAL
p.178-180

*Not for sale 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*

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

STERILE

2

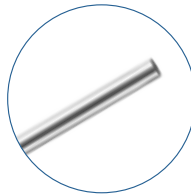
5 PER BOX

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

**MOST
POPULAR**



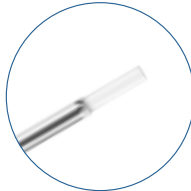
Soft Tip Cannulas

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

**MOST
POPULAR**

NEW

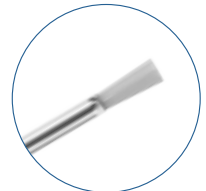


Brush Tip Cannulas

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

NEW



Dual Bore Cannulas*

VITREORETINAL
p.178-180



STERILE

2

POPULAR

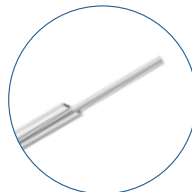
5 PER BOX

Dual Bore PFC Cannula

Simultaneous infusion of heavy liquids and aspiration of intraocular fluids

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

NEW



Infusion Cannula

Reusable Silicone Oil Infusion Cannula

Self-Retaining hub of 6.00 mm

12-026	20 Ga
--------	-------



*Not for sale in Europe

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

ULTRA PURIFIED SILICONE OIL SMARTSIL 1000/5000*

SmartSil 1000/5000 is used for prolonged tamponade after surgical treatment for severe retinal detachment.

- Maximum interfacial tension and minimum interactions between tissues, cells and endo-tamponades media
- Optimal combination of specific gravity, refractive index and surface tension
- Different viscosity indexes enable easy injection (1000 cSt) and stable temporary tamponade (5000 cSt)

No risk of emulsification

SOLVENT FREE



SmartSil 1000 1000 cSt
SmartSil 5000 5000 cSt



Physicochemical properties

Interfacial tension at 37°C	43.2 mNm ⁻¹
Density	0.97 g/cm ³
Viscosity	1000 cSt / 5000 cSt
Refractive index	1.404
Volatility	0.06%
Polydispersity	2.33
Elements potentially toxic	< 3 ppm
Low molecular weights	D4–D9: < 24 ppm D10–D20: 4 ≤ ppm



*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™	
B&L® Millenium™, Stellaris™	
Oerlti® Orbit™, Faros™, OS3™, Optikon®, R-Evolution®	
	12-RTUB-2
	12-RTUB-3
	12-RTUB-4



Viscous Fluid Injection Cannula

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



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

*Not for sale 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

Item preferred by many customers

NEW

Recently introduced into the product range of RUMEX International Co.

**COMING
SOON**

This item will be available in RUMEX range soon (as of Fall 2020)



Disposable instruments



Available in a single-use edition



Available in Stainless Steel



Featured instrument in the set on page 100

**DON'T FORGET
TO BUY**

Frequently bought together

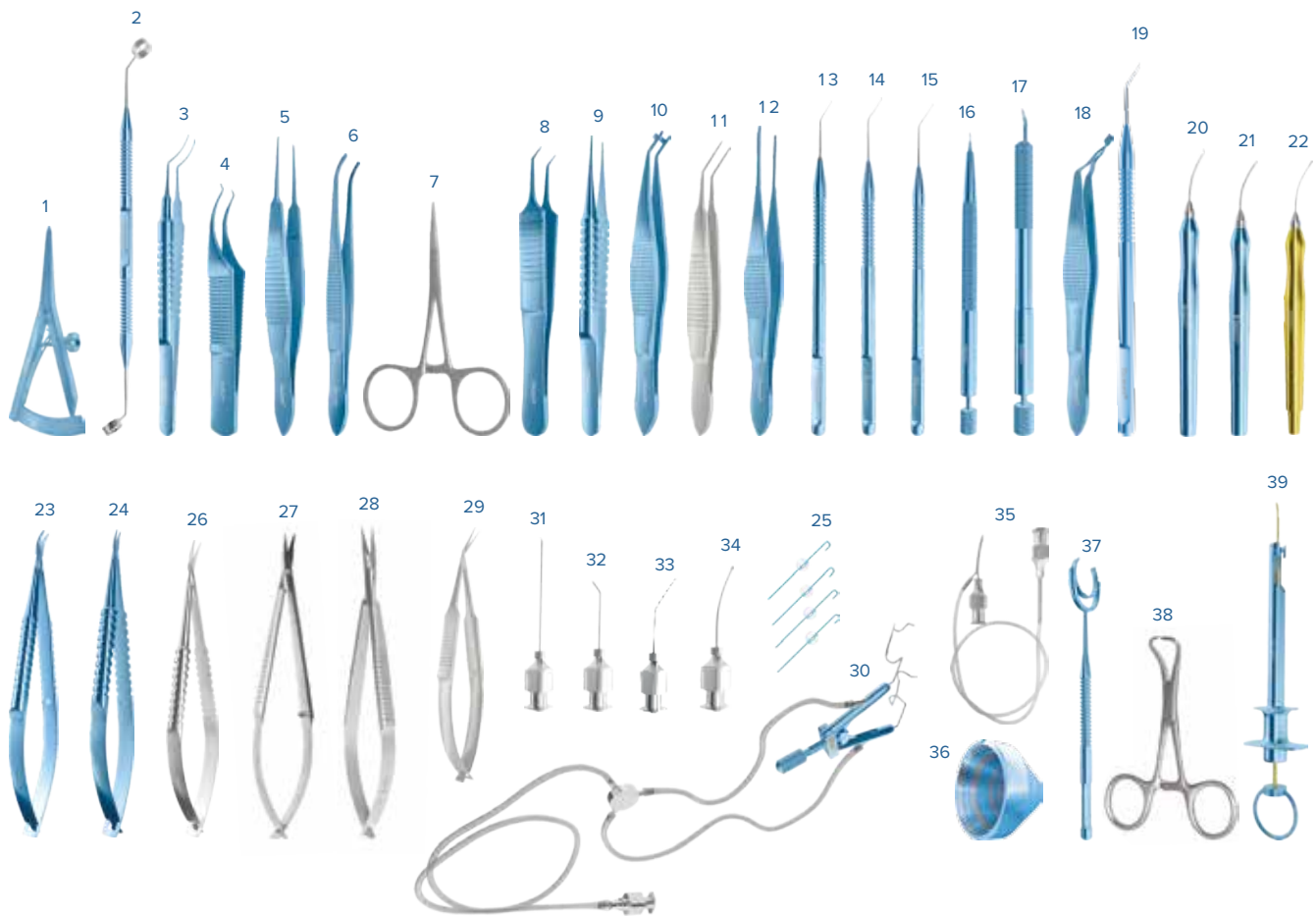


Quantity in the box

FEATURED SETS

CATARACT SURGERY	158
REFRACTIVE SURGERY	163
CORNEAL SURGERY	167
GLAUCOMA SURGERY	170
PTERYGIUM SURGERY	171
LACRIMAL SURGERY	172
LID SURGERY	173
OCULOPLASTIC SURGERY	175
VITREORETINAL SURGERY	178

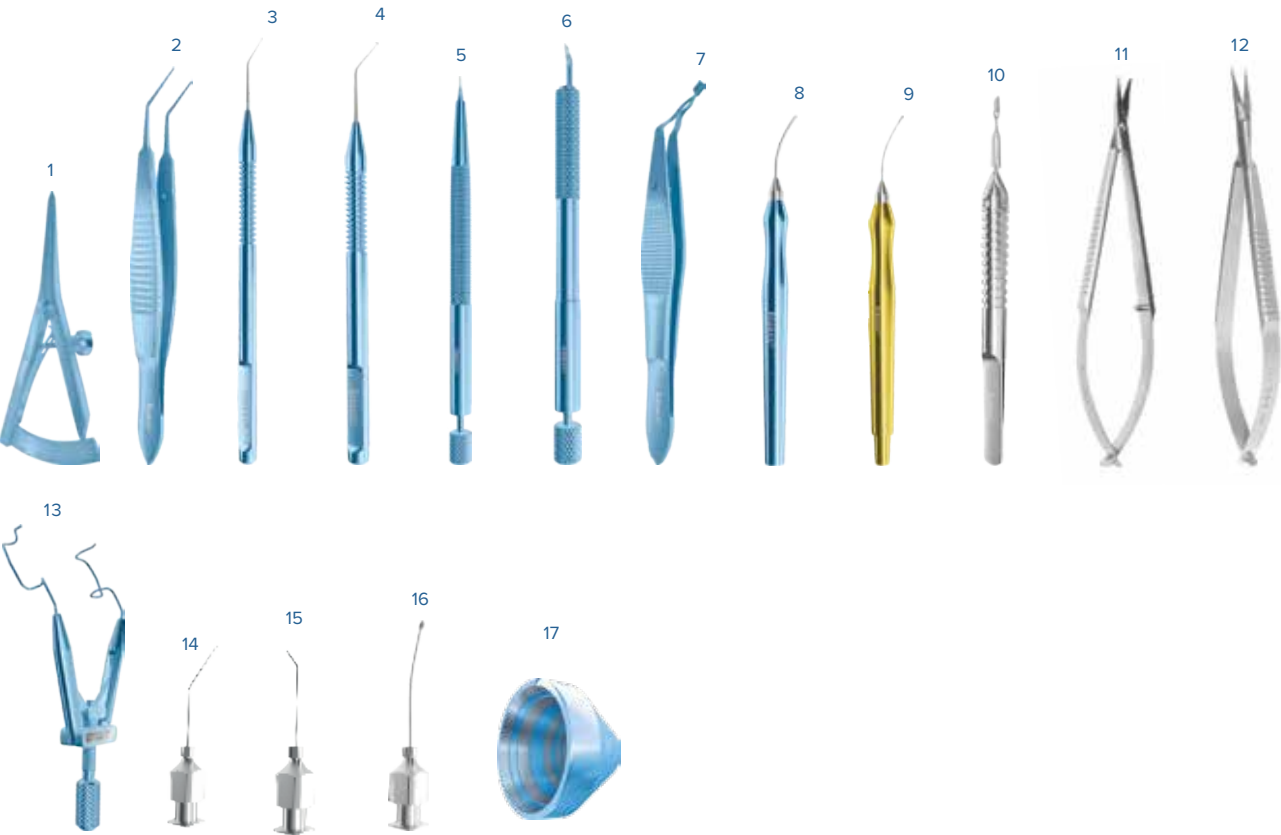
PHACOEMULSIFICATION SET



Reference	Key	Description	Page	Reference	Key	Description	Page
2-010T	1	Castroviejo Caliper	47	7-081	21	Irrigation Handpiece for Bimanual Technique, 21 Ga	90
3-040	2	Whipple Capsulorhexis Centrations Marker	49	7-0821	22	Aspiration Handpiece for Bimanual Technique, 22 Ga	91
4-03315T	3	Utrata Capsulorhexis Forceps, Cystotome Tips, with Scale	56	8-031T	23	Barraquer Needle Holder, Standard Jaws	93
4-050T	4	Colibri Corneal Forceps	62	8-045T	24	Barraquer Needle Holder, Extra Fine Jaws	93
4-0600T	5	Castroviejo Suturing Forceps	73	10-5016-1	25	Disposable Iris Retractors, 1 pack of 4 pcs	96
4-072T	6	Dressing Forceps with Serrations	65	11-034S	26	Universal Corneal Scissors	97
4-120S	7	Hartman Hemostatic Mosquito Forceps	72	11-040S	27	Westcott Curved Tenotomy Scissors	100
4-174T	8	McPherson Angled Tying Forceps	74	11-044S	28	Westcott Stitch Scissors	99
4-185T	9	Tennant Straight Tying Forceps	75	11-0581S	29	Gills-Vannas Capsulotomy Scissors	101
4-2107T	10	Steinert Paddle Lens Folding Forceps	67	14-080A	30	Lieberman Temporal Speculum with Aspiration	113
4-2108S	11	Faulkner Lens Holding Forceps	67	15-025	31	Kelman Sharp Irrigating Cystotome, 25 Ga	121
4-2141T	12	Cartridge Loading Forceps for Inserting IOL	68	15-051-27	32	Rycroft Anterior Chamber Cannula, 27 Ga	118
5-030	13	Kuglen Iris Hook	76	15-071-25	33	McIntyre Nucleus Hydrodissector, Spatulated, 25 Ga	120
5-032	14	Sinskey Hook	76	15-170	34	Microincisional Capsule Polisher Cannula, Disc-shaped Tip, 23 Ga	121
5-034	15	Bechert Nucleus Rotator	77	15-129-0.3	35	Simcoe I/A Cannula, 23/23 Ga	119
6-10/6-053	16	Diamond Knife, Trifacet Blade, 1.00 mm	79	16-020T	36	Maloney Intraoperative Keratometer	47
6-20/6-107	17	Diamond Knife, Self-Diving Trapezoid Blade, 2.00/2.30 mm	80	16-0341T	37	Fine Thornton Phaco Fixation Ring with Swivel, 14.00 mm Ring	125
7-025T	18	Ernest Nucleus Cracker	83	16-081S	38	Towel Forceps	75
7-063 (7-064*)	19	Nagahara Phaco Chopper RHD (LHD*)	85	16-2806	39	IOL injector for A, B, C cartridges	125
7-0634/I	20	Lesieur Hydrochopper, 20 Ga	89	18-305**		Plastic Sterilizing Tray, Double Level, Large	130

* optional
** not shown

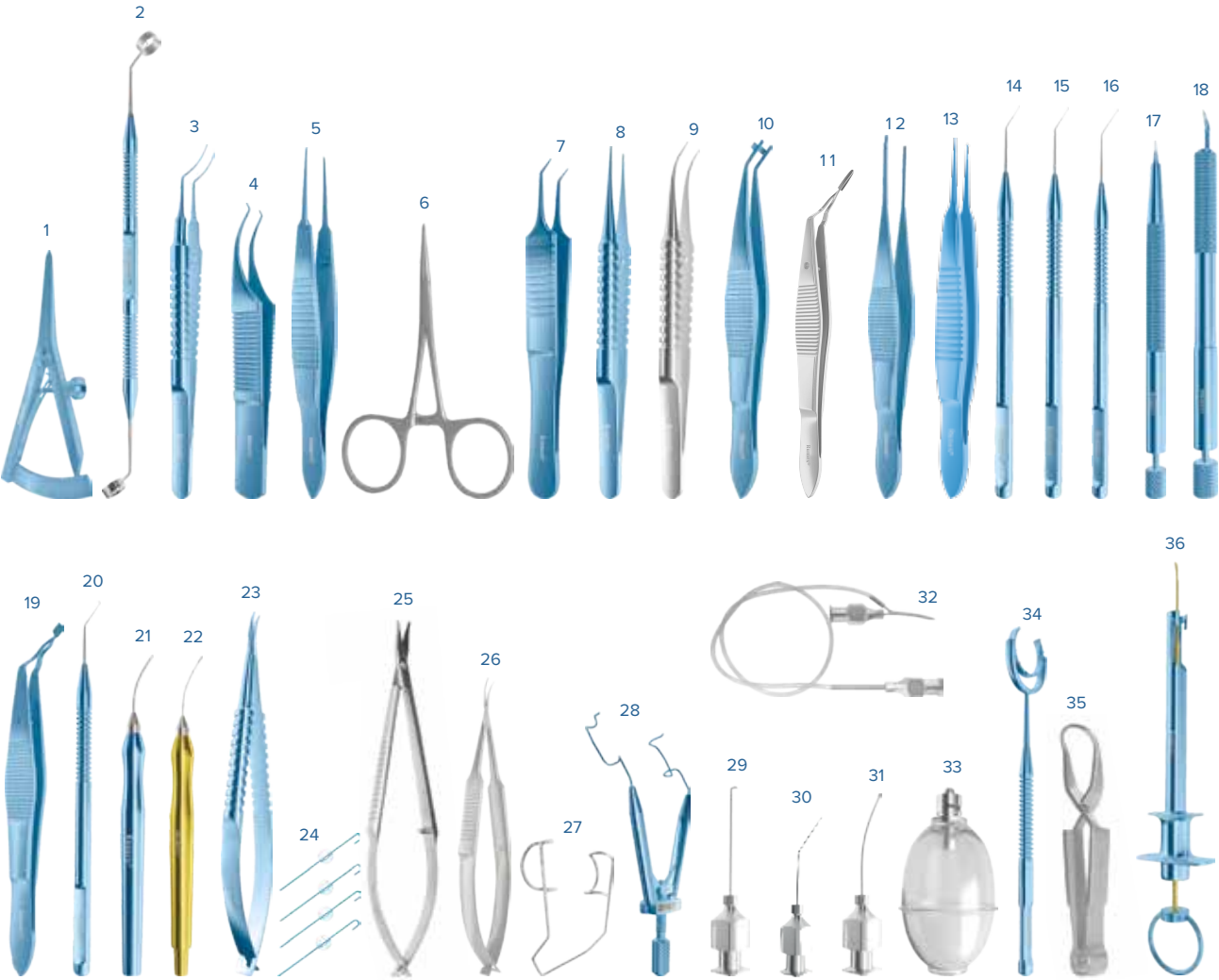
PHACO PRECHOP SET



Reference	Key	Description	Page	Reference	Key	Description	Page
2-010T	1	Castroviejo Caliper	47	11-040S	11	Westcott Curved Tenotomy Scissors	100
4-0301T	2	Utrata Capsulorhexis Forceps, Cystotome Tips	55	11-044S	12	Westcott Stitch Scissors, Sharp Tips	99
5-030	3	Kuglen Hook, Angled	76	14-040T	13	Lieberman Temporal Speculum	115
5-032	4	Sinsky Hook, Angled	76	15-071-25	14	McIntyre Nucleus Hydrodissector, 25 Ga	120
6-10/6-053	5	Diamond Knife, Trifacet Blade, 1.00 mm	79	15-051-27	15	Rycroft Anterior Chamber Cannula, 27 Ga	118
6-20/6-104	6	Diamond Knife, Self-Diving Trapezoid Blade, 2.30/2.80 mm	80	15-159-25	16	Jensen Capsule Polisher, Curved, Olive Tip, 25 Ga	121
7-025T	7	Ernest Nucleus Cracker	83	16-020T	17	Maloney Intraoperative Keratometer	47
7-081	8	Irrigation Handpiece for Bimanual Technique, 21 Ga	90	18-304*		Sterilizing Tray, Large	130
7-0821	9	Aspiration Handpiece for Bimanual Technique, 22 Ga	91				
7-1161S	10	Combo Prechopper (Sharp&Blunt Blades)	84				

* not shown

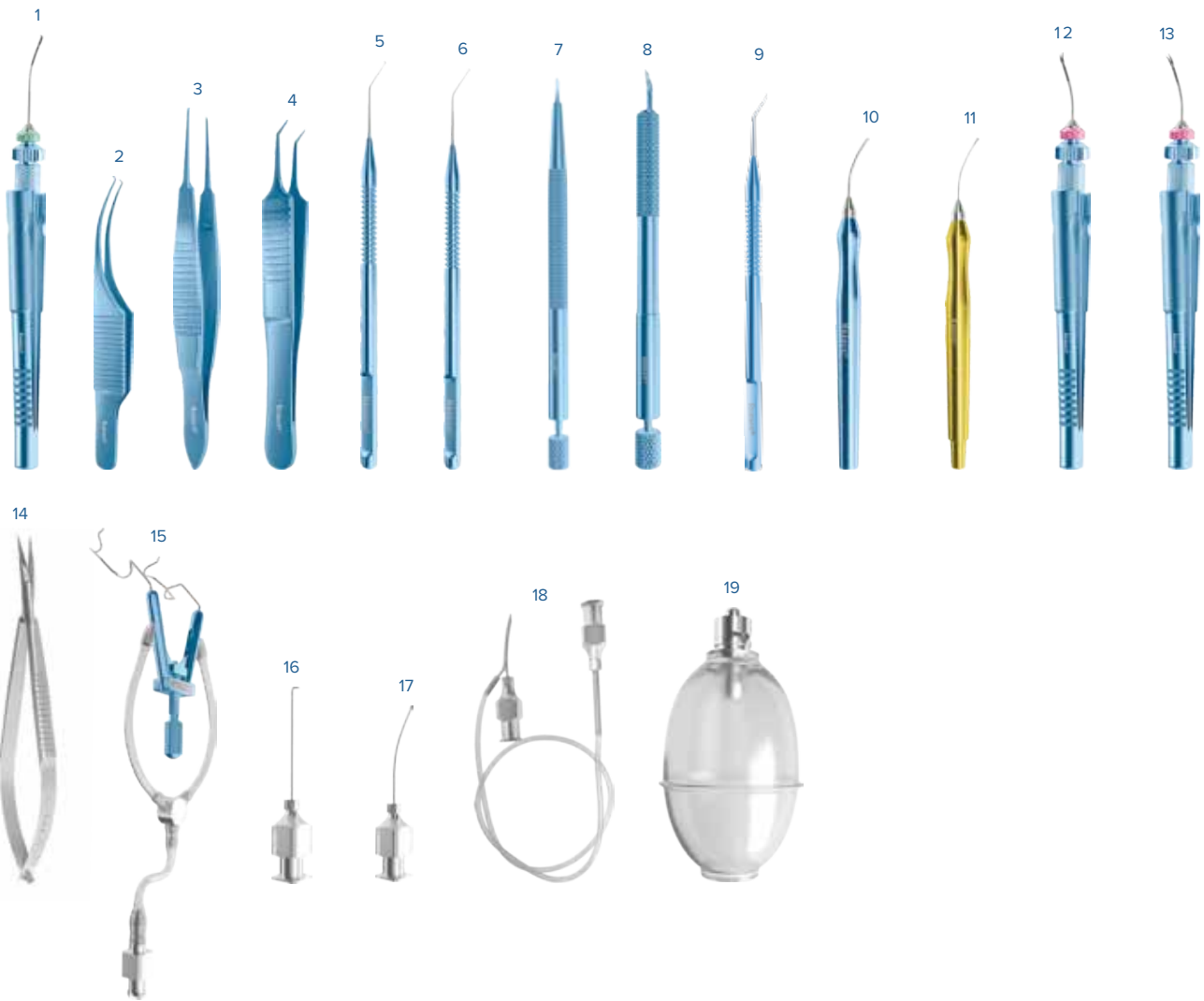
EXTRA CAPSULAR CATARACT EXTRACTION (ECCE) SET



Reference	Key	Description	Page	Reference	Key	Description	Page
2-010T	1	Castroviejo Caliper	47	7-025T	19	Ernest Nucleus Cracker	83
3-040	2	Whipple Capsulorhexis Centration Marker	49	7-065	20	Rosen Phaco Chopper Universal	85
4-03315T	3	Utrata Capsulorhexis Forceps with Ruler	56	7-081-23	21	Irrigation Handpiece, Curved, 23 Ga	90
4-050T	4	Colibri Corneal Forceps, 0.12 mm 1x2 Teeth	62	7-0821-23	22	Aspiration Handpiece, Curved, 23 Ga	91
4-0600T	5	Castroviejo Suturing Forceps, 0.12 mm 1x2 Teeth	73	8-041T	23	Barraquer Needle Holder, Medium	93
4-120S	6	Hartman Hemostatic Mosquito Forceps, Straight	72	10-5016-1	24	Disposable Iris Retractors (1 pack of 4 pcs)	96
4-174T	7	McPherson Angled Tying Forceps	74	11-040S	25	Westcott Curved Tenotomy Scissors	100
4-185T	8	Tennant Straight Tying Forceps	75	11-058S	26	Gills-Vannas Capsulotomy Scissors, 10 mm Blades	101
4-186S	9	Tennant Curved Tying Forceps	75	14-022S	27	Barraquer Wire Speculum, Adult Size	117
4-2107T	10	Steinert Paddle Lens Folding Forceps	67	14-040TK	28	Lieberman Temporal Speculum, Adult Size	115
4-2113S	11	MacDonald Style Inserting Forceps	67	15-0681	29	Chang Nucleus Hydrossector	120
4-2141T	12	Cartridge Loading Forceps	68	15-071-25	30	McIntyre Nucleus Hydrossector, Spatulated	120
4-2301T	13	Fechtnr Conjunctiva Forceps	60	15-170	31	Microincisional Capsule Polisher, 23 Ga	121
5-030	14	Kuglen Hook	76	15-129-0.3	32	Simcoe I/A Cannula, 23/23 Ga	119
5-0331	15	Lester Lens Manipulator	77	15-301/303	33	Silicone Bulb With Adapter	123
5-034	16	Bechert Nucleus Rotator	77	16-0341T	34	Fine Thornton Phaco Fixation Ring with Swivel, 14.00 mm Ring	125
6-10/6-053	17	Diamond Knife, Trifacet Blade, 1.00 mm	79	16-080S	35	Towel Clamp	75
6-20/6-104	18	Diamond Knife, Self-Diving Trapezoid Blade, 2.30/2.80 mm	80	16-2806	36	IOL injector for A, B, C cartridges	125
				18-305*		Plastic Sterilizing Tray, Double Level, Large	130

* not shown

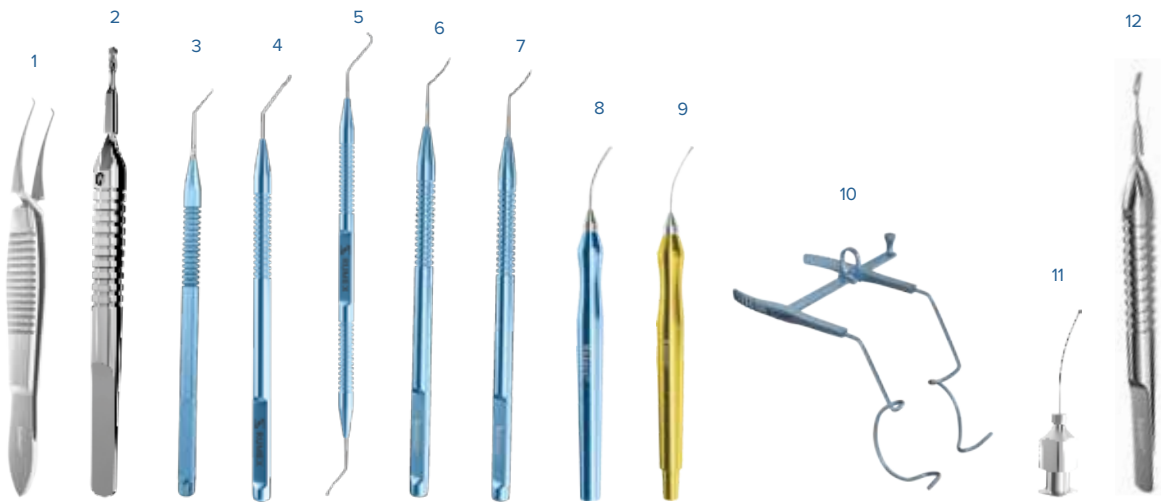
BIMANUAL MICROPHACO (MICS) SET



Reference	Key	Description	Page	Reference	Key	Description	Page
4-03771/ 12-003T	1	Kawai Capsulorhexis Forceps, Tapered 23/25Ga shaft/ Universal Squeeze Handle	59	11-03741	12	Side Port Capsulotomy Scissors, Left, 20 Ga	101
4-0501T	2	Colibri Corneal Forceps, 0.12 mm 1x2 Teeth	62	11-03751	13	Side Port Capsulotomy Scissors, Right, 20 Ga	101
4-0600T	3	Castroviejo Suturing Forceps, 0.12 mm 1x2 Teeth	73	11-044S	14	Westcott Stitch Scissors	99
4-174T	4	McPherson Angled Tying Forceps	74	14-080A	15	Lieberman Temporal Speculum with Aspiration	113
5-032	5	Sinskey Hook	76	15-0681	16	Chang Nucleus Hydrodissector, 27 Ga	120
5-034	6	Bechert Nucleus Rotator	77	15-170	17	Microincisional Capsule Polisher Cannula, Disc-shaped Tip, 23 Ga	121
6-10/6-053	7	Diamond Knife Trifacet Blade, 1.00 mm	79	15-129-0.3	18	Simcoe I/A Cannula, 23/23 Ga	119
6-20/6-144	8	Diamond Knife, Self-Diving Trapeziod Blade, 1.80/2.00 mm	80	15-301/303	19	Silicone Bulb with Adapter	123
7-063(7-064*)	9	Nagahara Phaco Chopper RHD (LHD*)	85	18-304**		Sterilizing Tray, Large	130
7-081	10	Irrigation Handpiece for Bimanual Technique, 21 Ga	90				
7-0821	11	Aspiration Handpiece for Bimanual Technique, 22 Ga	91				

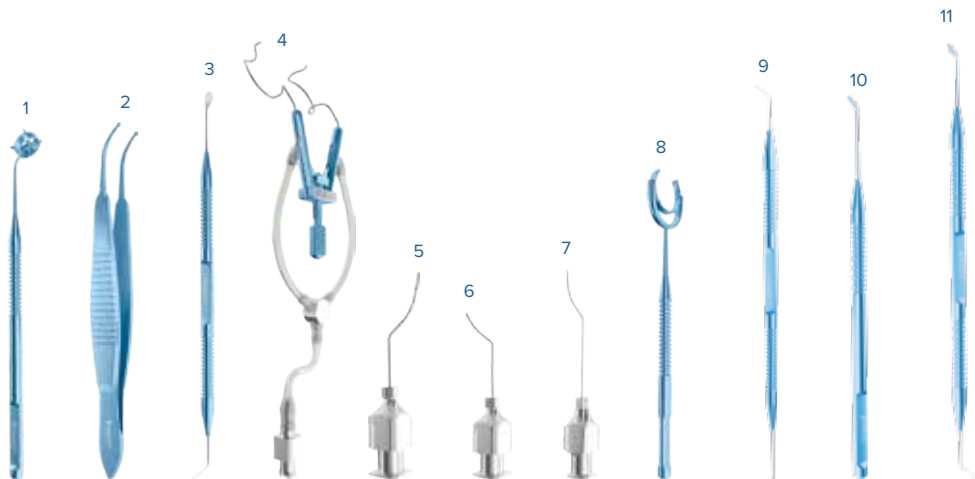
* optional
** not shown

FEMTOSECOND CATARACT SET



Reference	Key	Description	Page	Reference	Key	Description	Page
4-0582S	1	Forceps for Femtosecond Laser Cataract Procedure	39,57	7-081-23	8	Irrigation Handpiece for Bimanual Technique, Curved, 23 Ga	90
7-1166S	2	Yeoh Femtosecond Prechopper	39,84	7-0821-23	9	Aspiration Handpiece for Bimanual Technique, Curved, 23 Ga	91
7-145	3	Nagy Femtosecond Chopper	40,88	14-052T	10	Slade-Murdoch Speculum	41,117
7-146	4	Donnenfeld Femto Splitter	41,88	15-170	11	Microincisional Capsule Polisher Cannula, Disc-shaped Tip, 23 Ga	121
13-181	5	Uy Laser Lens Fragmentation Combo Manipulator	40,104	7-1167S	12	Crozafoon Prechopper	39,84
20-204	6	Spatula for Femtosecond Laser Procedure	40,104				
20-2041	7	Donnenfeld Femto Spatula	40,104				

LASIK SET

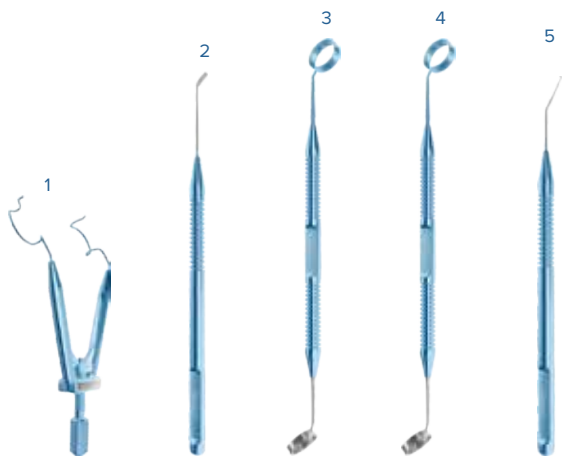


Reference	Key	Description	Page
3-174T	1	Lavery LASIK Marker	51
4-2206T	2	LASIK Flap Forceps	61
13-110	3	Paton Spatula and Spoon	104
14-080LA	4	Lieberman Temporal Speculum with Aspiration for LASIK	113
15-373-25	5	Banaji LASIK Irrigation Cannula, 25 Ga	122
15-376	6	Slade LASIK Cannula, 26 Ga	122

* not shown

Reference	Key	Description	Page
15-379-25	7	Buratto LASIK Irrigation Cannula 25 Ga, 45° Angled Tri-port	122
16-0341T	8	Fine Thornton Phaco Fixation Ring with Swivel, 14.00 mm Ring	125
20-013	9	LASIK Spatula and Flap Retreatment Instrument	109,132
20-001	10	Hockey Epithelium Removal Knife	109,134
20-002	11	Lindstrom LASIK/PRK Spatula and Epithelium Removal Board	109,134
18-304*		Plastic Sterilizing Tray, Single Level, Large	130

LASEK SET

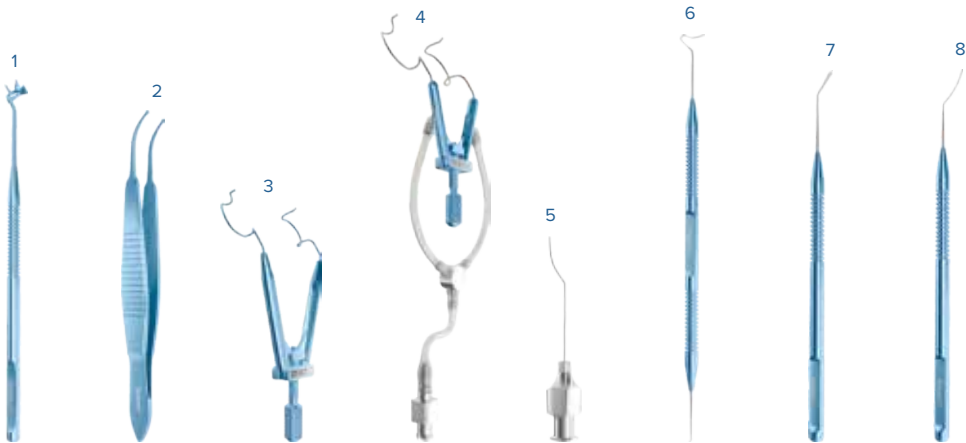


Reference	Key	Description	Page
14-040TL	1	Lieberman Temporal Speculum for LASIK	115
20-0011	2	LASEK Knife	110,132
20-121	3	LASEK 8.00 mm Trephine/8.50 mm Funnel	134

* not shown

Reference	Key	Description	Page
20-122	4	LASEK 9.00 mm Trephine/9.50 mm Funnel	134
20-131	5	LASEK Epithelial Micro Hoe	110,132
18-304*		Plastic Sterilizing Tray, Single Level, Large	130

FEMTOLASIK SET



Reference	Key Description	Page
3-176T	1 LASIK Flap Marker	51
4-2206T	2 LASIK Flap Forceps	61
14-040TL	3 Lieberman Temporal Speculum for LASIK	115
14-080LA	4 Lieberman Temporal Speculum with Aspiration for LASIK	113
15-379-25	5 Buratto LASIK Irrigation Cannula, 25 Ga	122

* not shown

Reference	Key Description	Page
20-201	6 FemtoLASIK Flap Spatula, Double-Ended	111,133
20-202	7 FemtoLASIK Flap Spatula	111,133
20-203	8 Zaldivar FemtoLASIK Spatula	111,133
18-304*	Plastic Sterilizing Tray, Single Level, Large	130

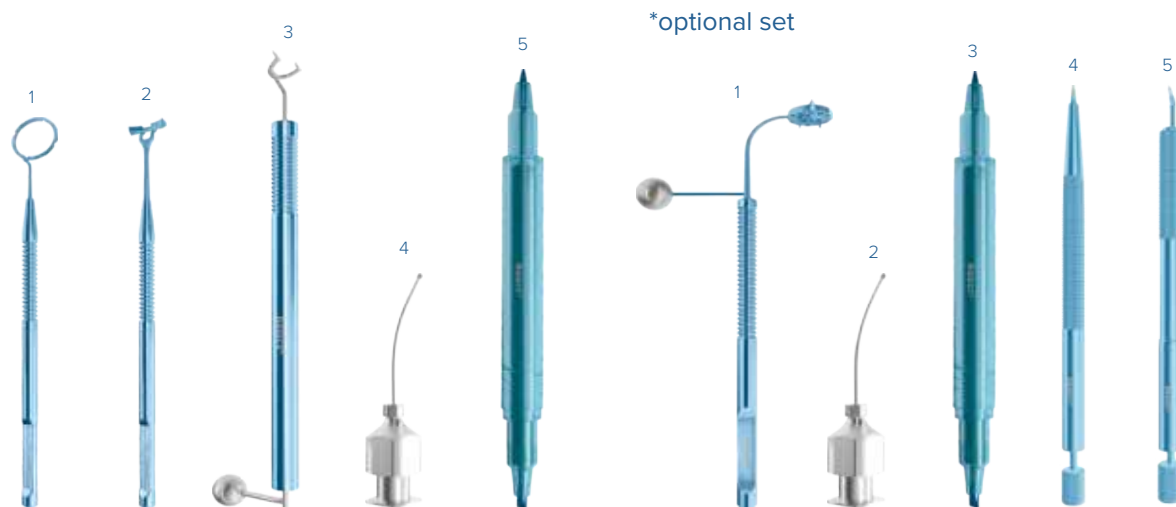
LRI SET



Reference	Key Description	Page
2-0331T	1 Grooved Mendez Degree	48
3-090T	2 Bores Axis Marker	49
3-1932	3 Whitehouse Gravity Axis Marker II, Straight	53
6-322/6-0531	4 Universal Three-Step Diamond Knife for Cataract and LRI Surgery	81

Reference	Key Description	Page
* optional		
3-1801	1 LRI Marker, 40-60-80°	52
3-1932	2 Whitehouse Gravity Axis Marker II, Straight	53
6-322/6-0531	3 Universal Three-Step Diamond Knife for Cataract and LRI Surgery	81

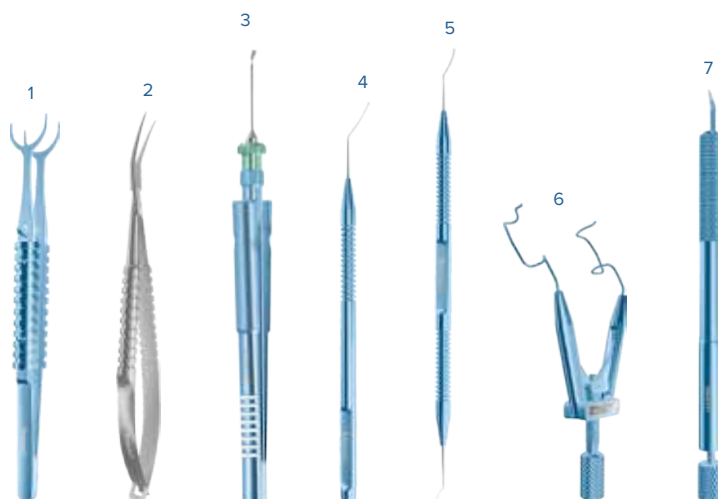
TORIC IOL IMPLANTATION SET



Reference	Key	Description	Page
2-034T	1	Grooved Fine Mendez Degree	48
3-091T	2	Bores Axis Marker	49
3-193	3	Whitehouse Gravity Axis Marker, Angled	53
15-170	4	Microincisional Capsule Polisher Cannula, Disc-shaped Tip, 23 Ga	121
20-050	5	Disposable Marking Pen	53,134

Reference	Key	Description	Page
* optional			
3-194 (3-1941)*	1	RUMEX Toric Combo Marker, Vertical 0-0 Axis (Horizontal 0-0 Axis)	53
15-170	2	Microincisional Capsule Polisher Cannula, Disc-shaped Tip, 23 Ga	121
20-050	3	Disposable Marking Pen	53,134
6-10/6-053	4	Diamond Knife, Trifacet Blade, 1.00 mm	79
6-20/6-144	5	Diamond Knife, Self-Diving Trapezoid Blade, 1.80/2.00 mm	80

ICL SET

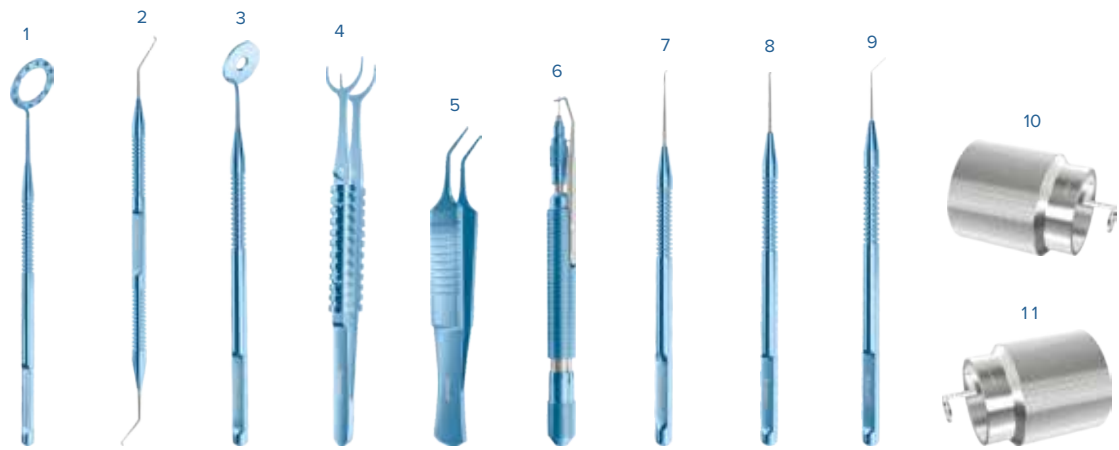


Reference	Key	Description	Page
4-08011T	1	Nevyas-Wallace Fixation Forceps, 0.12mm 1x2 Teeth	66
4-20111S	2	ICL™ Cartridge Loading Forceps	70
4-21432/12-003T	3	Zaldivar-Kraff ICL Pacman Forceps, 20 Ga/Universal Squeeze Handle	70 139
13-141	4	Pallikaris ICL™ Manipulator	112

Reference	Key	Description	Page
13-142	5	Zaldivar ICL™ Manipulator	112
14-040T	6	Lieberman Temporal Speculum	115
6-20/6-0551	7	Zaldivar Diamond Knife, 0.55/1.00 mm	80
18-304*		Sterilizing Tray, Single Level, Large	130
* not shown			

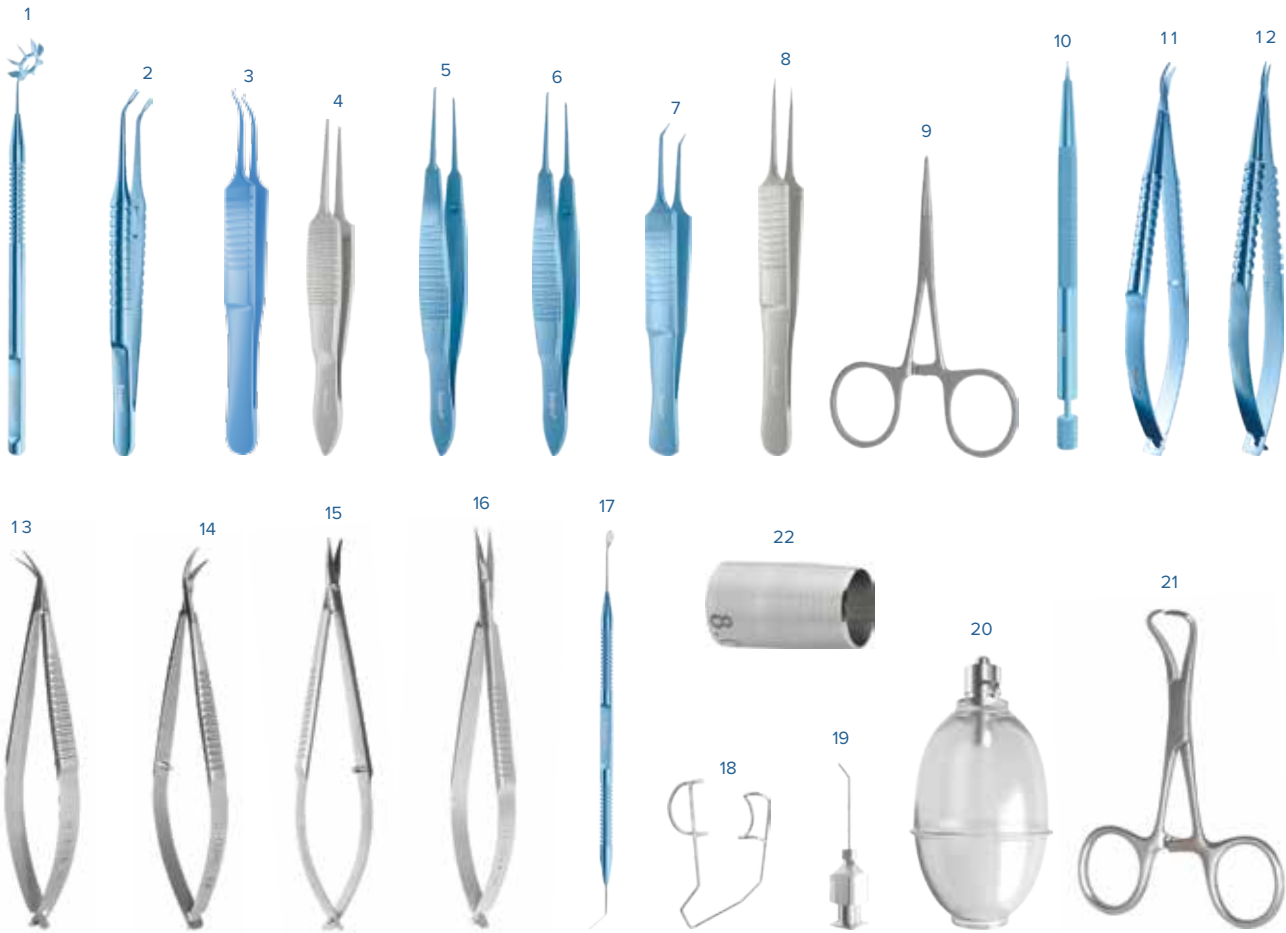
Product design and/or features that do not influence its functionality and main parameters are subject to change

ICRS SET



Reference	Key	Description	Page	Reference	Key	Description	Page
2-0331T	1	Mendez Degree Gauge	48	10-035	7	Elevator for ICRS implantation	112
3-034	2	Optical Zone Marker	50	13-146	8	Suarez Spreader	112
3-143T	3	Tunnel Zone Marker	50	13-147	9	Bicalto Guide	112
4-08011T	4	Nevyas-Wallace Fixation Forceps	66	16-173S	10	Tunnel Maker, Left	128
4-2144T	5	Forceps for ICRS Implantation	62	16-174S	11	Tunnel Maker, Right	128
6-00/6-020	6	Diamond Knife for ICRS, Micrometer Handle, 1.00 mm	79	18-304*		Plastic Sterilizing Tray, Single Level, Large	130
* not shown							

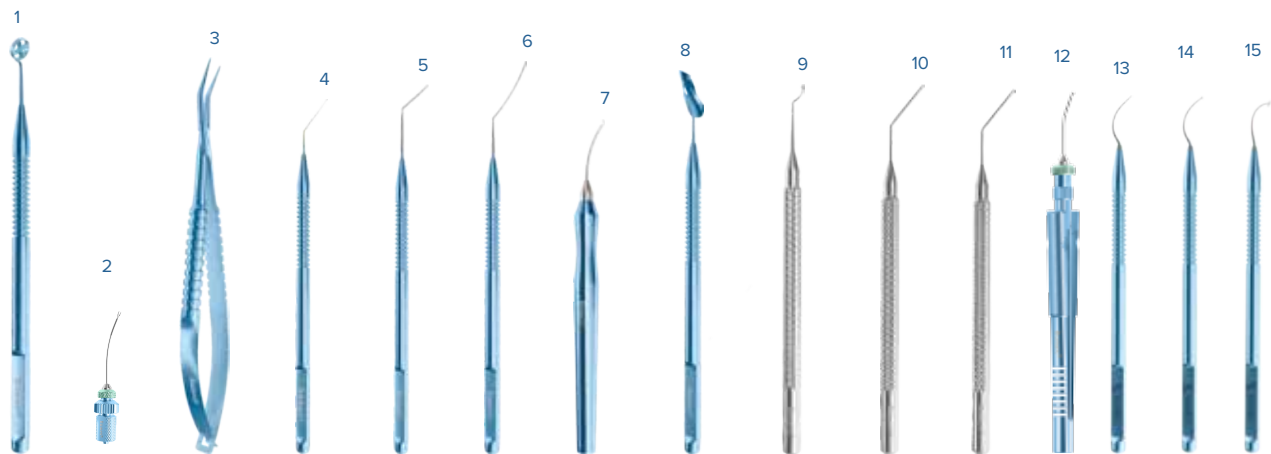
CORNEAL TRANSPLANTATION SET



Reference	Key	Description	Page	Reference	Key	Description	Page
3-140T	1	Corneal Transplant Marker	49	11-024S	14	Castroviejo Corneal Section Scissors, Right	97
4-0814T	2	Pollack Corneal Transplantation Fixation Forceps	66	11-0241S*		Castroviejo Corneal Section Scissors, Left	97
4-0541T	3	Castroviejo Colibri Corneal Forceps, 0.12 mm 1×2 Teeth	63	11-040S	15	Westcott Curved Tenotomy Scissors	100
4-0607S	4	Bishop-Harmon Suturing Forceps, 0.30 mm 1×2 Teeth	73	11-044S	16	Westcott Stitch Scissors	99
4-0600T	5	Castroviejo Suturing Forceps, 0.12 mm 1×2 Teeth	73	13-110	17	Paton Spatula and Spoon	104
4-0601T	6	Castroviejo Suturing Forceps, 0.30 mm 1×2 Teeth	73	14-022S	18	Barraquer Wire Speculum, Adult Size	117
4-090T	7	Kelman-McPherson Tying Forceps	74	15-051-25	19	Rycroft Anterior Chamber Cannula, 25 Ga	118
4-178S	8	McPherson Straight Tying Forceps	74	15-301/303	20	Silicone Bulb with Adapter	123
4-120S	9	Hartman Hemostatic Mosquito Forceps, Straight	72	16-081S	21	Towel Forceps	75
6-10/6-053	10	Diamond Knife, Trifacet Blade, 1.00 mm	79	16-0307	22	Corneal Trephine Blades, 8.00 mm	128
8-031T	11	Barraquer Needle Holder, Medium	93	16-0305*		Corneal Trephine Blades, 7.50 mm	128
6-20/6-107*		Diamond Knife, Self-Diving Trapezoid Blade, 2.00/2.30	80	18-305*		Plastic Sterilizing Tray, Double Level, Large	130
8-045T	12	Barraquer Needle Holder, Extra Fine Jaws, Medium	93				
11-020S	13	Katzin Corneal Transplant Scissors, Left	97				
11-0201S*		Katzin Corneal Transplant Scissors, Right	97				

* not shown

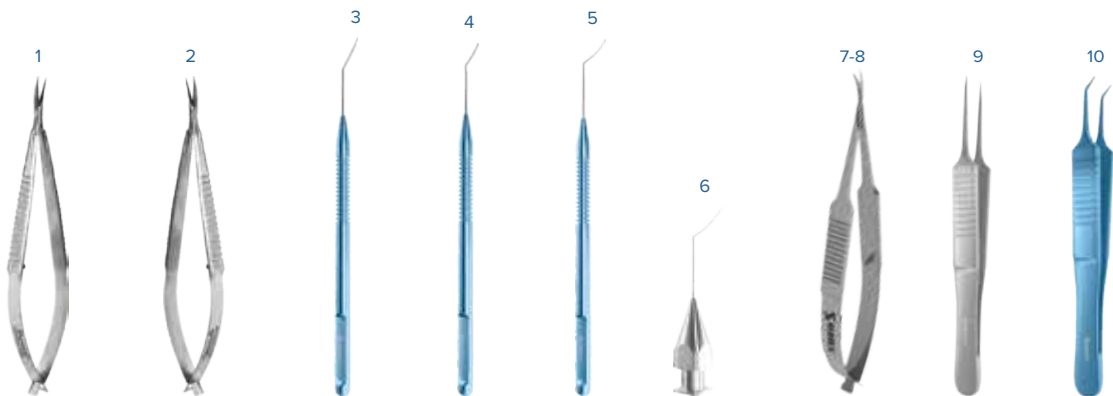
DSEK, DSAEK, DMEK SET



Reference	Key	Description	Page
3-0218T	1	Hoffer Optical Zone Marker, 8,50 mm	50
4-034	2	Forceps for Corneal Endothelium Implantation, 23 Ga	44,64
4-2019T	3	Corneal Donor Insertion Forceps	64
5-0322	4	Reversed Sinskey Hook	76
13-137	5	Corneal Dissector, Straight	105
13-138	6	Corneal Dissector, Curved	105
13-139/I	7	Endothelial Stripper, Irrigating	105
13-150T	8	Spatula-Guide for Corneal Endothelium Implantation	105

Reference	Key	Description	Page
13-151S	9	Cindy Sweeper DSEK Spatula	106
13-152S	10	Carlson DSEK Smoother	106
13-153S	11	Terry DSEK Scraper	106
4-247/12-003T	12	Florakis Microinvasive Endothelial Forceps 23 Ga/Universal Squeeze Handle	42,64
13-182	13	John Dextatome DMEK/DSAEK Spatula	43,107
13-183	14	John DSAEK Stromal Scrubber	43,107
13-184	15	John DSAEK Glider	43,107

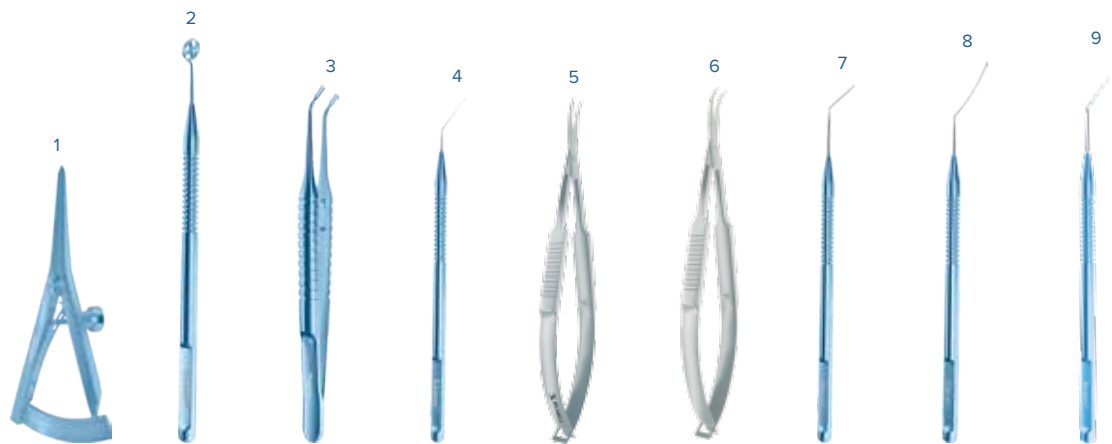
DALK SET



Reference	Key	Description	Page
11-038S	1	Scissors for DALK Procedure, Right	97
11-0381S	2	Scissors for DALK Procedure, Left	97
13-170	3	Trisector for DALK Procedure	108
13-171	4	Spatula for DALK Procedure	108
13-172	5	Dissector for DALK Procedure	108

Reference	Key	Description	Page
15-450-27	6	Cannula for DALK Procedure, 27 Ga	122
11-134	7	Holland Spatulated DALK Scissors, Right	43,98
11-135	8	Holland Spatulated DALK Scissors, Left	43,98
4-178S	9	McPherson Tying Forceps, Straight	74
4-174T	10	McPherson Tying Forceps, Angled	74

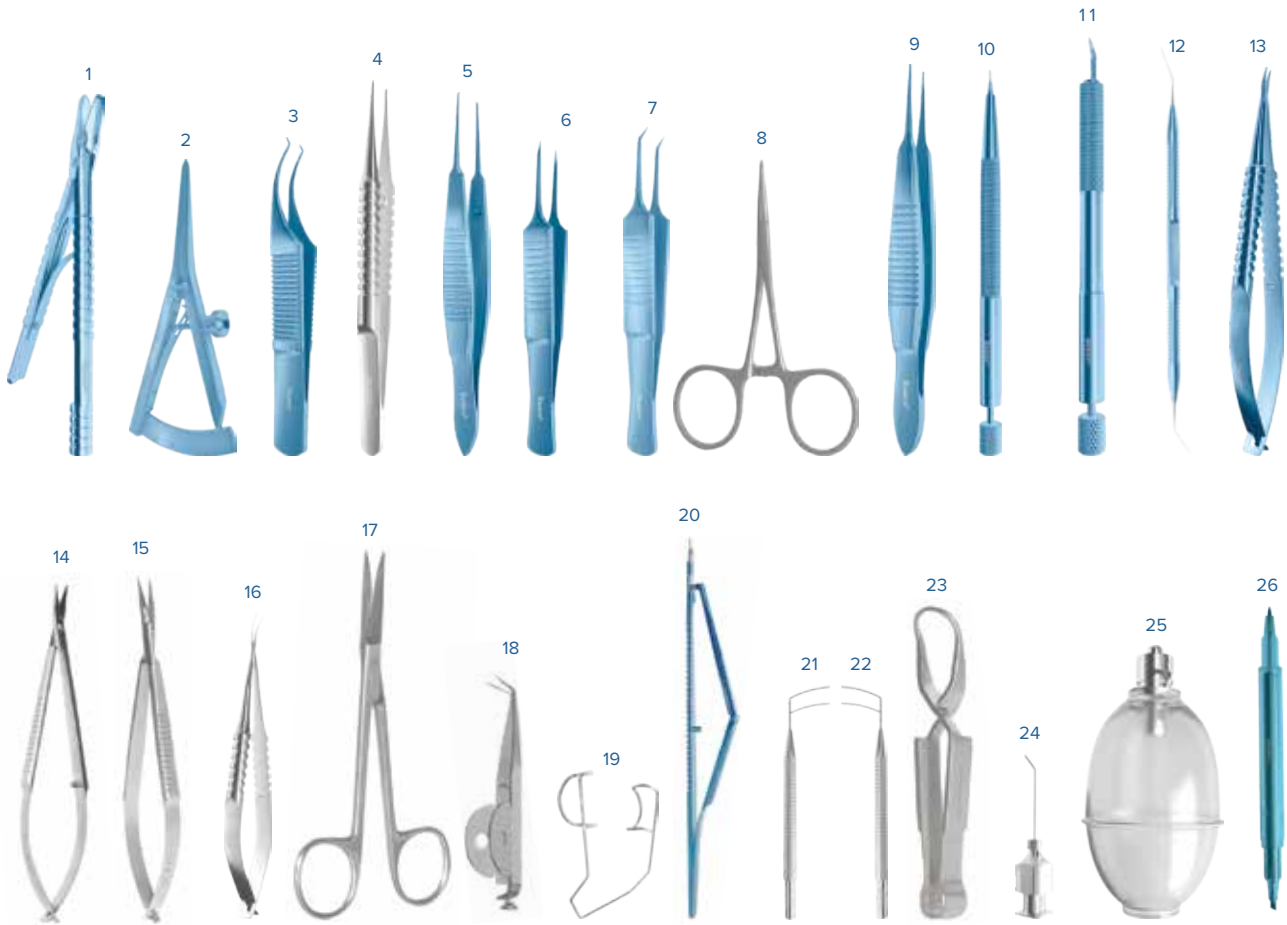
DLEK SET



Reference	Key	Description	Page
2-010T	1	Castroviejo Caliper	47
3-0217T	2	Hoffer Optical Zone Marker, 8.00 mm	50
4-0814T	3	Pollack Corneal Transplantation Fixation Forceps	66
5-0322	4	Reversed Sinskey Hook	76
11-036S	5	DLEK Scissors, Medium Curve	98

Reference	Key	Description	Page
11-0361S	6	DLEK Scissors, Strong Curve	98
13-137	7	Corneal Dissector, Straight	105
13-138	8	Corneal Dissector, Curved	105
13-160	9	Manipulator for DLEK procedure	108

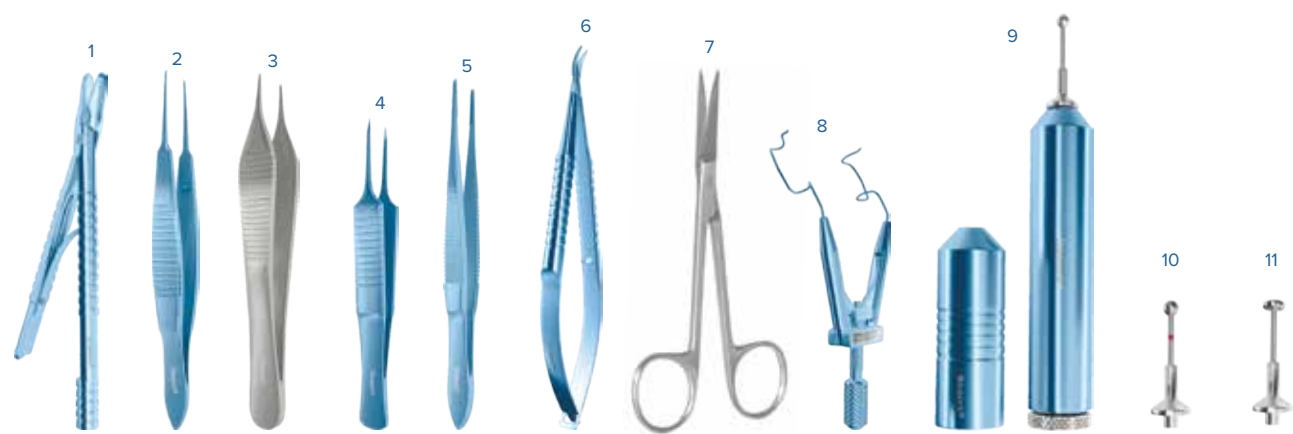
GLAUCOMA SET



Reference	Key	Description	Page	Reference	Key	Description	Page
1-010T	1	Blade Holder	46	11-044S	15	Westcott Stitch Scissors	99
2-010T	2	Castroviejo Caliper	47	11-052S	16	Vannas Capsulotomy Scissors, Curved	101
4-050T	3	Colibri Corneal Forceps, 0.12 mm, 1x2 Teeth	62	11-080S	17	Iris Scissors, Straight	98
4-070S	4	Dressing Forceps With Delicate Serrations	65	11-1223	18	Barraquer Iris Scissors	99
4-0600T	5	Castroviejo Suturing Forceps, 0.12 mm 1x2 Teeth	73	14-022S	19	Barraquer Wire Speculum,Adult Size	117
4-171T	6	McPherson Straight Tying Forceps	74	16-011	20	Kelly Descemet's Membrane Punch, 0.75 mm Diameter	126
4-090T	7	Kelman-McPherson Tying Forceps	74	16-012S	21	Harms Trabeculotome, Left	128
4-120S	8	Hartman Hemostatic Mosquito Forceps, Straight	72	16-013S	22	Harms Trabeculotome, Right	128
4-2301T	9	Fechtner Conjunctiva Forceps	60	16-080S	23	Schaeffel Towel Clamp	75
6-10/6-053	10	Diamond Knife, Trifacet Blade, 1.00 mm	79	15-051-27	24	Rycroft Anterior Chamber Cannula, 27 Ga	118
6-20/6-092	11	Diamond Knife, Crescent Blade, 2.00 mm	80	15-301/303	25	Silicone Bulb With Adapter	123
13-050	12	Castroviejo Double-Ended Cyclodialysis Spatula	103	20-050	26	Disposable Marking Pen	53,134
8-045T	13	Barraquer Needle Holder, Extra Fine Jaws	93	18-305*		Plastic Sterilizing Tray, Double Level, Large	130
11-040S	14	Westcott Curved Tenotomy Scissors	100				

* not shown

PTERYGIUM SET



Reference	Key	Description	Page	Reference	Key	Description	Page
1-010T	1	Blade Holder	46	14-040T	8	Lieberman Temporal Speculum	115
4-0600T	2	Castroviejo Suturing Forceps, 0.12 mm 1×2 Teeth	73	16-051-2.5	9	Power Handle with 2.50 mm Round-Shaped Diamond Dusted Burr	124
4-0741S	3	Adson Fixation Forceps, 0.50 mm 1×2 Teeth	66	16-051-3.5B	10	Diamond Dusted Burr, Round, 3.5 mm Diameter	124
4-171T	4	McPherson Straight Tying Forceps	74	16-052-5.0B	11	Diamond Dusted Burr, 5.00 mm Diameter, Disk-Shaped	124
4-2300T	5	Bonaccolto Utility Forceps	60	18-304*		Plastic Sterilizing Tray, Single Level, Large	130
8-031T	6	Barraquer Needle Holder, Curved	93				
11-080S	7	Straight Iris Scissors	98				

* not shown

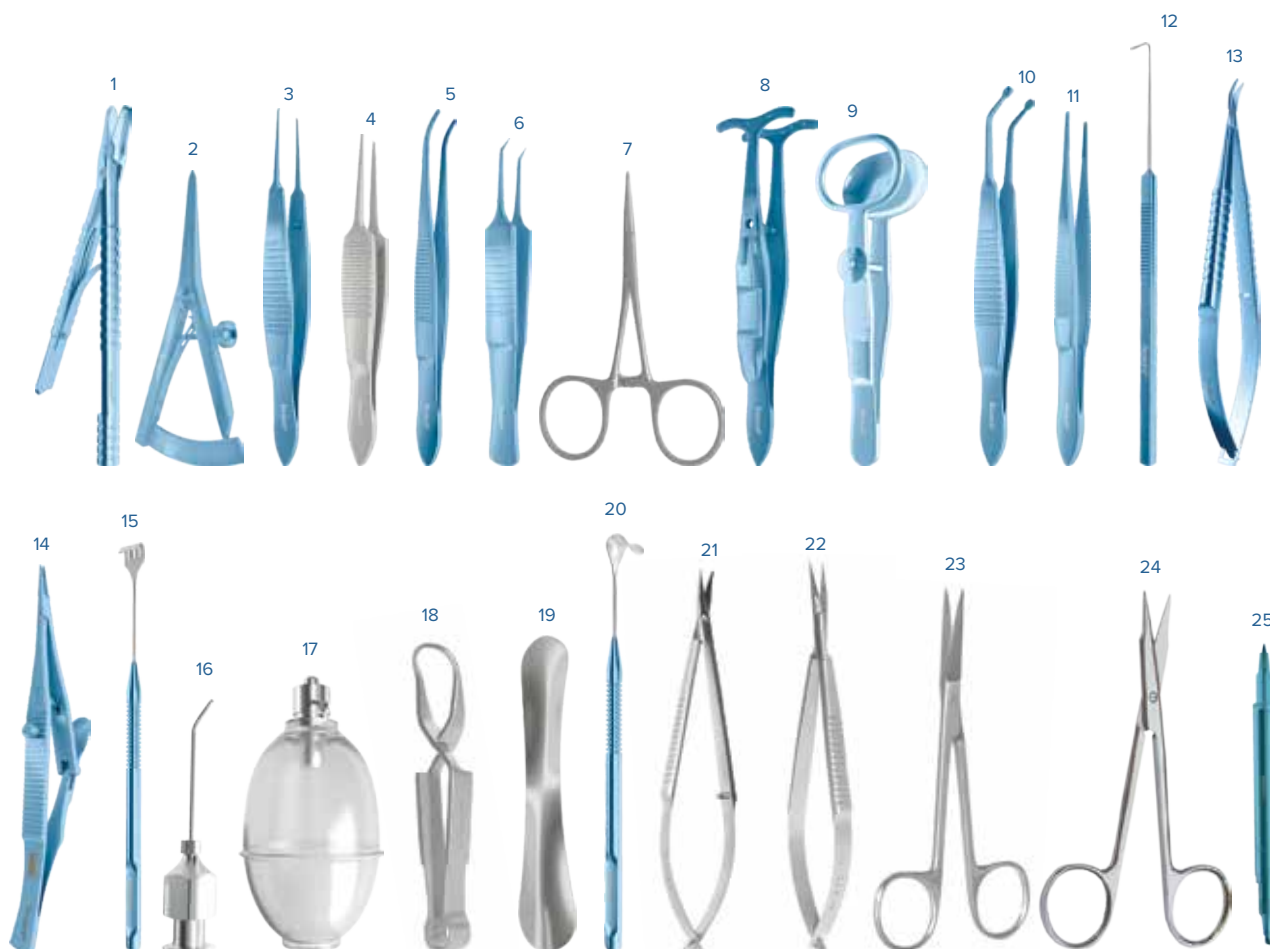
LACRIMAL SET



Reference	Key	Description	Page	Reference	Key	Description	Page
1-010T	1	Blade Holder	46	10-013	12	Stevenson Lacrimal Sac Retractor	95
4-071S	2	Dressing Forceps, 12 mm Serrated Tips	65	10-014	13	Knapp Lacrimal Sac Retractor	95
4-2300T	3	Bonaccolto Utility Forceps	75	11-080S	14	Straight Iris Scissors	98
4-0601T	4	Castroviejo Suturing Forceps, 0.30 mm 1x2 Teeth	73	11-125S	15	Westcott Type Stitch Scissors	99
4-122S	5	Halsted Hemostatic Mosquito Forceps, Straight	72	11-132S	16	Stevens Scissors, Straight	100
8-031T	6	Barraquer Needle Holder, Medium	93	15-029	17	Lacrimal Cannula, Reinforced, Curved	123
9-010S	7	Bowman Lacrimal Probe, Size 0000-000	94	15-301/303	18	Silicone Bulb with Adapter	123
9-012S*		Bowman Lacrimal Probe, Size 1-2	94	16-081S	19	Towel Forceps	75
9-013S*		Bowman Lacrimal Probe, Size 3-4	94	16-127	20	Nasal Speculum, Adult Size	128
9-014S*		Bowman Lacrimal Probe, Size 5-6	94	16-135	21	Surgical Mallet, Polished Finish	128
9-021S	8	Quickert Lacrimal Intubation Probe, Size 0	94	16-136	22	Kerrison Rongeur, Size 0	127
9-031	9	Pigtail Lacrimal Probe	94	16-138	23	Belz Lacrimal Sac Rongeur	126
9-050T	10	Wilder Lacrimal Dilator, Size 1	94	21-R7011	24	DCR Set – Straight, 4.50 cm, 3 per Box	30
9-060T	11	Castroviejo Double-Ended Lacrimal Dilator, Size 1&2	94	18-305*		Plastic Sterilizing Tray, Double Level, Large	130

* not shown

LID SURGERY SET



Reference	Key	Description	Page	Reference	Key	Description	Page
1-010T	1	Blade Holder	46	8-080T	14	Kalt Needle Holder	93
2-010T	2	Castroviejo Caliper	47	10-014	15	Knapp Lacrimal Sac Retractor	95
4-0601T	3	Castroviejo Suturing Forceps, 0.30 mm 1×2 Teeth	73	15-055-19	16	Bishop Harmon AC Cannula	118
4-0607S	4	Bishop-Harmon Suturing Forceps, 0.30 mm 1×2 Teeth	73	15-301/303	17	Silicone Bulb with Adapter	123
4-072T	5	Dressing Forceps with 12.00 mm Serrated Tips	65	16-080S	18	Schaeffel Towel Clamp	75
4-090T	6	Kelman-McPherson Tying Forceps	74	16-50S	19	Lid Plate	126
4-120S	7	Hartman Hemostatic Mosquito Forceps, Straight	72	10-020*		Desmarres Lid Retractor, Size 0	95
4-140T	8	Putterman Type Lid Clamp	60	10-021	20	Desmarres Lid Retractor, Size 1	95
4-1906T	9	Desmarres Chalazion Forceps, Large	60	10-022*		Desmarres Lid Retractor, Size 2	95
4-1912T*		Desmarres Chalazion Forceps, Medium	60	10-023*		Desmarres Lid Retractor, Size 3	95
4-124S*		Compressing Lid Forceps	45,61	11-040S	21	Westcott Tenotomy Scissors, Blunt Tips	100
4-1913T	10	Compressing Lid Forceps (MGD)	60	11-044S	22	Westcott Stitch Scissors, Sharp Tips	99
4-2300T	11	Bonaccolto Utility Forceps	75	11-080S	23	Straight Iris Scissors	98
5-042	12	Graefe Muscle Hook, Size 2	77	11-133S	24	Stevens Tenotomy Scissors, Straight	100
8-031T	13	Barraquer Needle Holder, Medium	93	20-050	25	Disposable Marking Pen	53,134
				18-305*		Plastic Sterilizing Tray, Double Level, Large	130

* not shown

CHALAZION SET

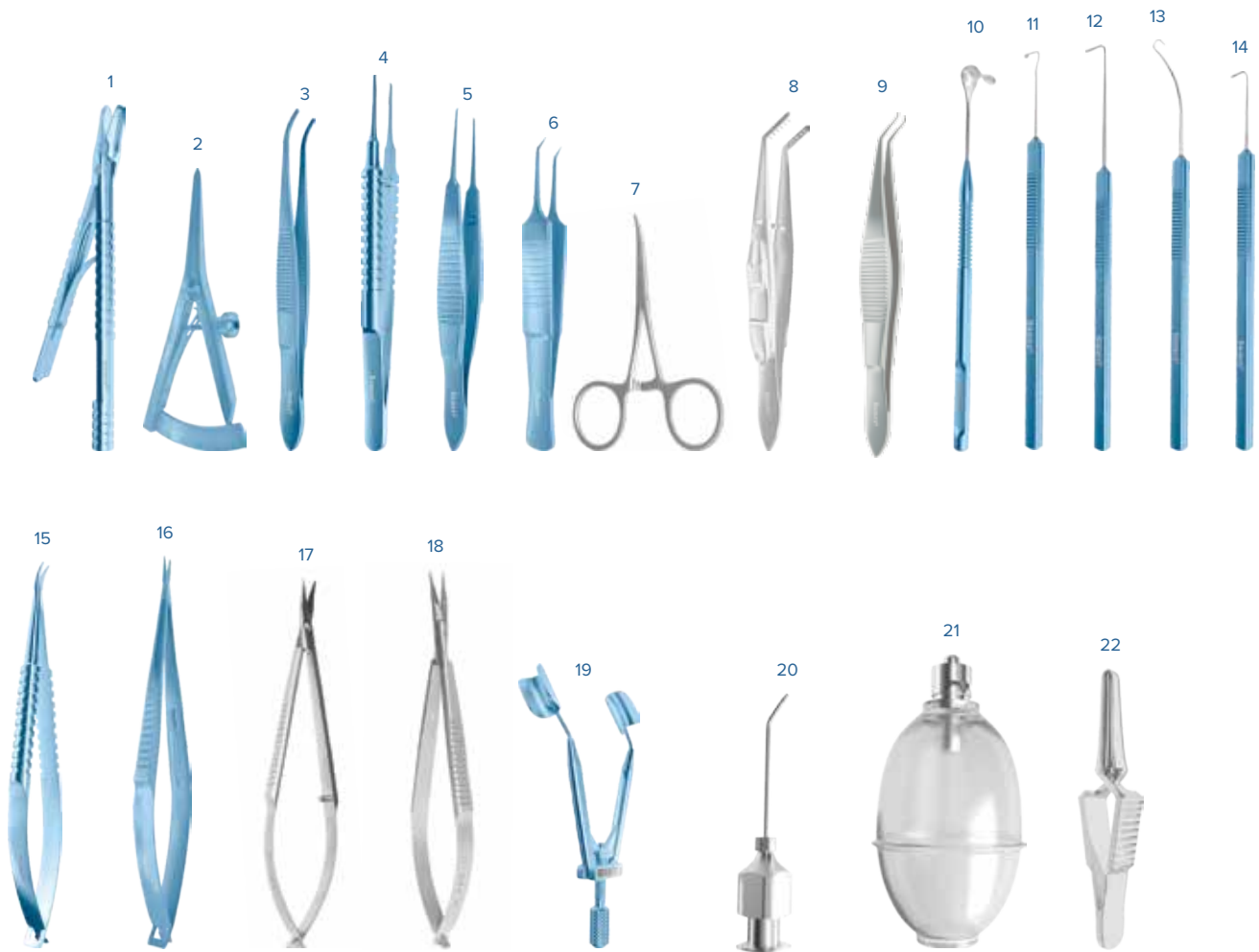


Reference	Key	Description	Page
1-020S	1	Bard Parker Handle	46
4-1906T	2	Desmarres Chalazion Forceps, Large	60
4-1912T*		Desmarres Chalazion Forceps, Medium	60
4-1908T	3	Lambert Chalazion Forceps, Small	60
4-1909T	4	Lambert Chalazion Forceps, Medium	60

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Reference	Key	Description	Page
16-063*		Meyerhoefer Chalazion Curette, Size 0	127
16-064*		Meyerhoefer Chalazion Curette, Size 1	127
16-065*		Meyerhoefer Chalazion Curette, Size 2	127
16-066	5	Meyerhoefer Chalazion Curette, Size 3	127
16-067*		Meyerhoefer Chalazion Curette, Size 4	127
16-50S	6	Lid plate	126
18-304*		Plastic Sterilizing Tray, Single Level, Large	130

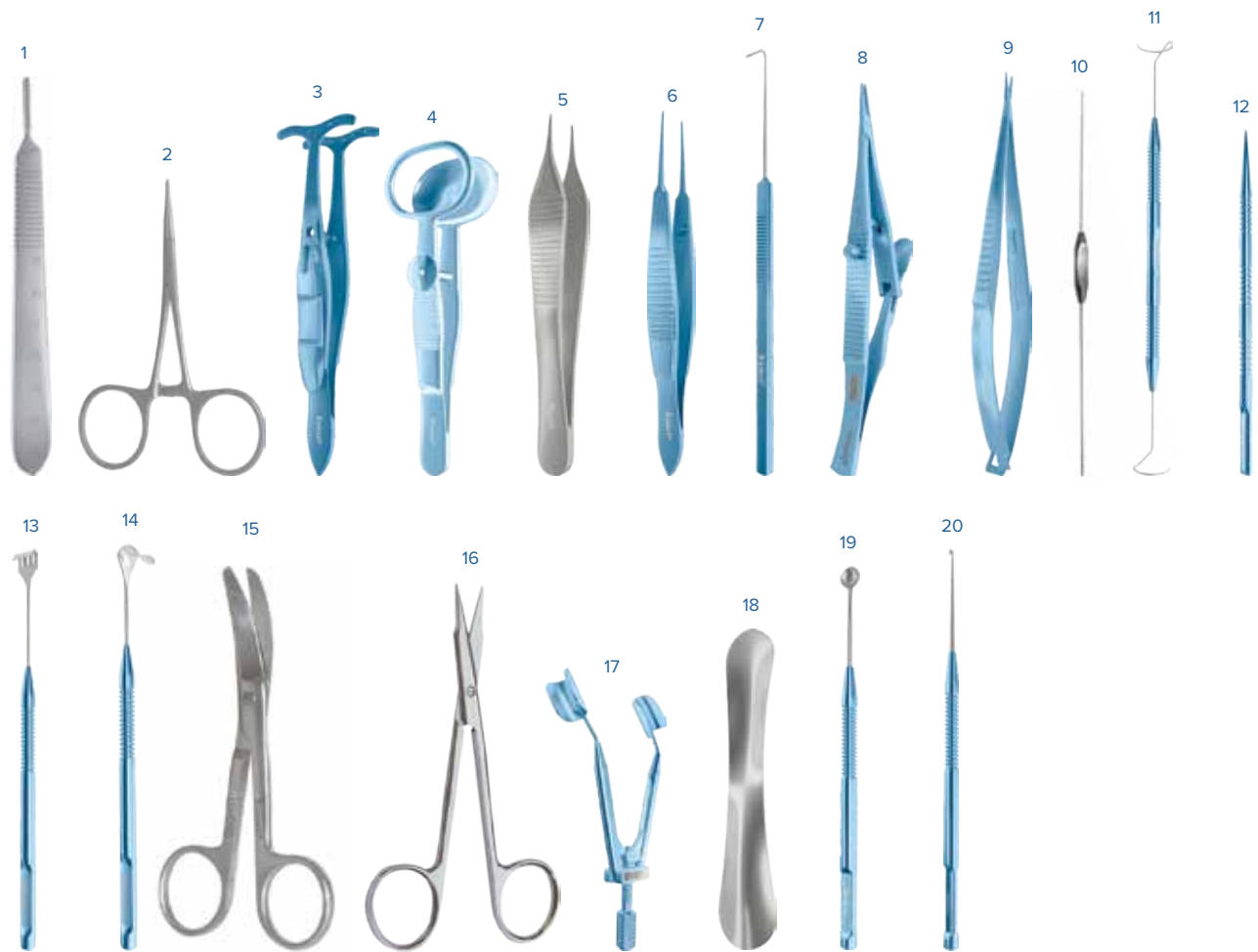
MUSCLE SET



Reference	Key Description	Page	Reference	Key Description	Page
1-020S	1 Bard Parker Handle	46	5-042	12 Graefe Muscle Hook, Size 2	77
2-010T	2 Castroviejo Caliper	47	5-061	13 Scobee Oblique Muscle Hook, Curved	78
4-072T	3 Dressing Forceps with 12 mm Serrated Tips	65	5-062	14 Stevens Curved Tenotomy Hook	78
4-0551T	4 Corneal Forceps, Bonn-Catalano Type	63	8-090T	15 Barraquer Needle Holder, Curved, w/lock	93
4-0602T	5 Castroviejo Suturing Forceps, 0.50 mm 1x2 Teeth	73	8-0921T	16 Castroviejo Needle Holder, Straight, w/lock	92
4-090T	6 Kelman-McPherson Tying Forceps	74	11-040S	17 Westcott Tenotomy Scissors, Blunt Tips, 13 mm Blades	100
4-121S	7 Hartman Hemostatic Mosquito Forceps, Curved	72	11-044S	18 Westcott Stitch Scissors, Sharp Tips, 16 mm Blades	99
4-130S	8 Jameson Muscle Forceps, Left	72	14-0601T	19 Kershner Reversible Solid Blade Speculum	114
4-131S*	Jameson Muscle Forceps, Right	72	15-055-19	20 Bishop Harmon AC Cannula	118
4-136S	9 Osher Superior Rectus Forceps	73	15-301/303	21 Silicone Bulb with Adapter	123
10-022	10 Desmarres Lid Retractor, Size 2	95	16-090S	22 Serrefine, Straight	72
5-040	11 Jameson Muscle Hook, 2.00 mm Bulbous Tip	77	18-305*	Plastic Sterilizing Tray, Double Level, Large	130

* not shown

OCULOPLASTIC SET



Reference	Key	Description	Page	Reference	Key	Description	Page
1-020S	1	Bard Parker Handle	46	9-050T	12	Wilder Lacrimal Dilator, Size 1	94
4-120S	2	Hartman Hemostatic Mosquito Forceps, Straight	72	10-014	13	Knapp Lacrimal Sac Retractor	95
4-140T	3	Putterman Type Lid Clamp	60	10-022	14	Desmarres Lid Retractor, Size 2	95
4-1906T	4	Desmarres Chalazion Forceps, Large	60	11-090S	15	Enucleation Scissors, Curved, Medium	102
4-0741S	5	Adson Fixation Forceps, 0.50 mm 1×2 Teeth	66	11-133S	16	Stevens Tenotomy Scissors, Straight	100
4-0822T	6	Castroviejo Fixation Forceps, 0.50 mm 1×2 Teeth	66	14-0601T	17	Kershner Reversible Solid Blade Speculum	114
5-042	7	Graefe Muscle Hook, Size 2	77	16-50S	18	Lid Plate	126
8-080T	8	Kalt Needle Holder	92	16-061	19	Bunge Evisceration Spoon, Small	127
8-0921T	9	Castroviejo Needle Holder, Straight, w/lock	92	16-066	20	Meyerhoefer Chalazion Curette, Size 3	127
9-012S	10	Bowman Lacrimal Probe, Size 1-2	94	18-305*		Plastic Sterilizing Tray, Double Level, Large	130
9-031	11	Pigtail Lacrimal Probe	94				

* not shown

ENUCLEATION / EVISCERATION SET

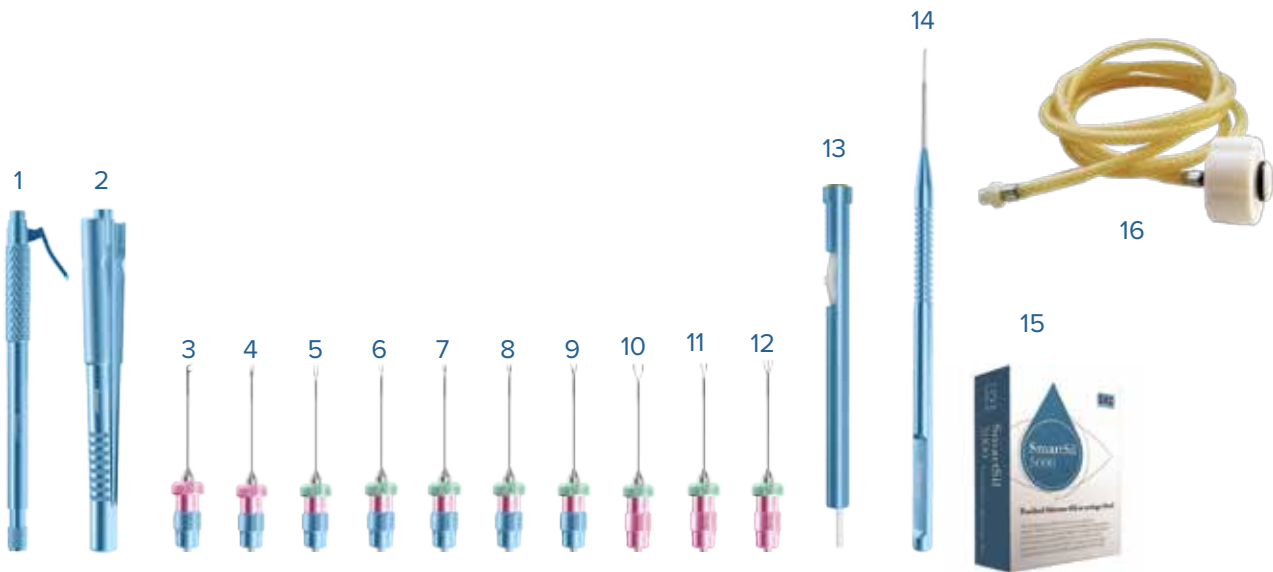


Reference	Key Description	Page
4-0741S	1 Adson Fixation Forceps, 0.50 mm 1×2 Teeth	66
4-123S	2 Halsted Hemostatic Mosquito Forceps, Curved	72
5-042	3 Graefe Muscle Hook, Size 2	77
11-090S	4 Enucleation Scissors, Curved , Medium	102
11-101S*	5 Knapp Strabismus Scissors, Curved	99

* not shown

Reference	Key Description	Page
14-040T	6 Lieberman Temporal Speculum	115
16-060	7 Wells Enucleation Spoon	128
16-062	8 Bunge Evisceration Spoon, Large	127
18-304*	Plastic Sterilizing Tray, Single Level, Large	130

REUSABLE SET, 20 GA



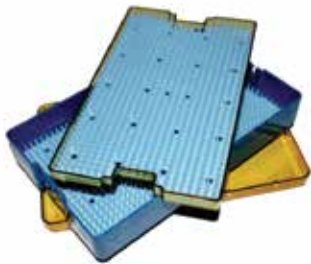
Reference	Key	Description	Page
12-001T	1	Universal Instrument Handle, One Finger Control	139
12-003T	2	Universal Instrument Handle, Squeeze Model, Two Fingers Control	139
12-202	3	Vertical Vitreoretinal Scissors, 20 Ga, Tip only	140
12-209	4	Curved Subretinal Scissors, 20 Ga, Tip only	140
12-410	5	Eckardt End-Gripping Forceps, 20 Ga, Tip only	141
12-411	6	Tano Asymmetrical End-Gripping Forceps, 20 Ga, Tip only	141
12-301	7	Vitreoretinal Forceps with a Sandblasted Platform, 20 Ga, Tip only	142
12-304	8	Gripping Forceps with a "Crocodile" Platform, 20 Ga, Tip only	142
12-325	9	Pick Vitreoretinal Forceps, 20 Ga, Tip only	143
12-335	10	Stolyarenko Forceps for Large Foreign Bodies, 20 Ga, Tip only	143
12-313	11	Vitreoretinal Forceps with Cup Jaws, 20 Ga, Tip only	143
12-321	12	Spring Gripping Forceps, 20 Ga, Tip only	143
12-6000	13	Titanium Backflush Handle	152
13-092	14	Membrane Scratcher, 20 Ga	144
SmartSil5000	15	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt	154
12-RTUB-2*	16	Reusable Tubing System For the Infusion of Silicone Oil	155

DON'T FORGET
TO BUY

Two Racks Tray
with Silicone Fnger Tip Mat

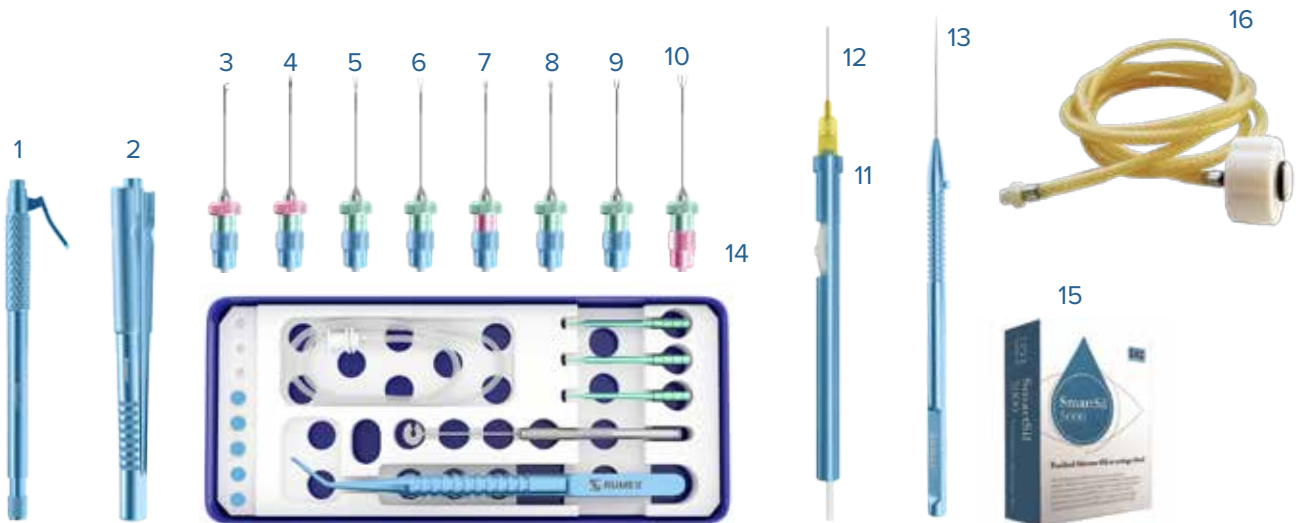
Two levels base and insert tray
254×152.40×38 mm
10.00×6.00×1.50 in

18-305 Extra Large



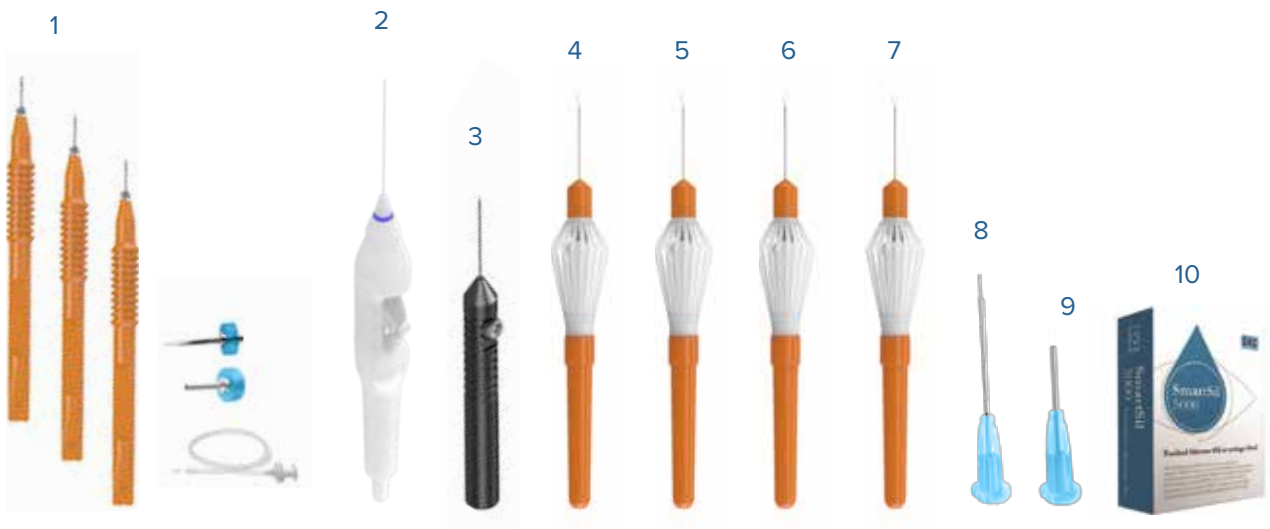
*Tubings for other vitrectomy machines are available
Product design and/or features that do not influence its functionality and main parameters are subject to change

REUSABLE SET, 23 GA



Reference	Key	Description	Page	Reference	Key	Description	Page
12-001T	1	Universal Instrument Handle, One Finger Control	139	12-325-23	9	Pick Vitreoretinal Forceps, 23 Ga, Tip only	143
12-003T	2	Universal Instrument Handle, Squeeze Model, Two Fingers Control	139	12-321-23	10	Spring Gripping Forceps, 23 Ga, Tip only	143
12-202-23	3	Vertical Vitreoretinal Scissors, 23 Ga, Tip only	140	12-6000	11	Titanium Backflush Handle	152
12-209-23	4	Curved Subretinal Scissors, 23 Ga, Tip only	140	12-5161	12	Soft Tip Cannula, 23 Ga, 5 per Box	153
12-410-23	5	Eckardt End-Gripping Forceps, 23 Ga, Tip only	141	13-097-23	13	Delicate Membrane Pick, 23 Ga	144
12-4013	6	End-Grasping Forceps, 23 Ga, Tip only	141	12-5173-23	14	Reusable Trocar System, 23 Ga	150
12-301-23	7	Gripping Forceps with a Sandblasted Platform, 23 Ga, Tip only	142	SmartSil 5000	15	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt	154
12-304-23	8	Vitreoretinal Forceps with a "Crocodile" Platform, 23 Ga, Tip only	142	12-RTUB-2*	15	Reusable Tubing System for The Infusion of Silicone Oil	155

DISPOSABLE SET, 23 GA

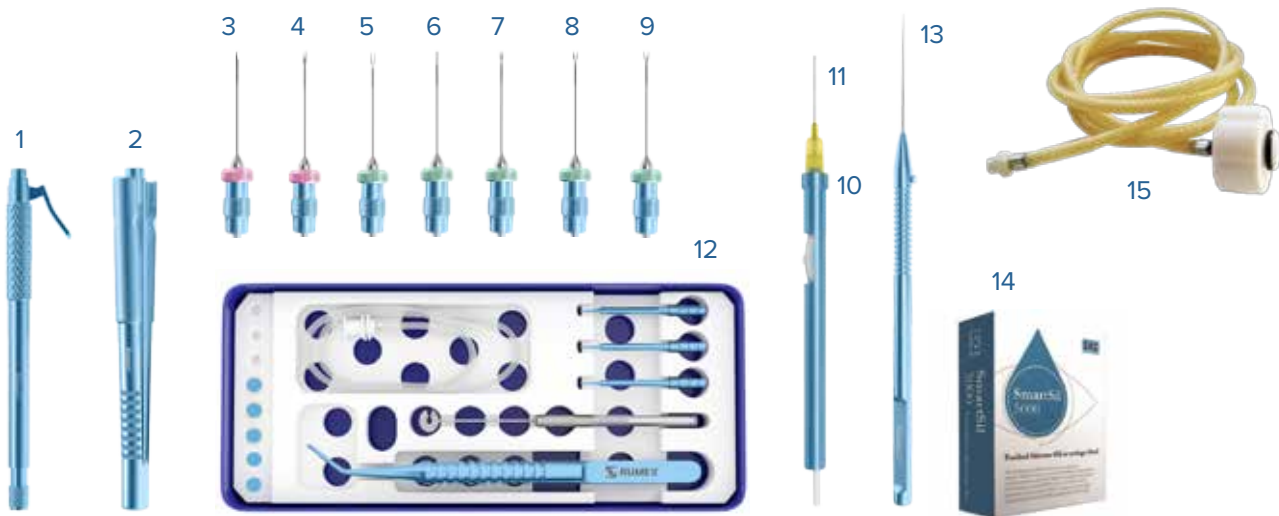


Reference	Key	Description	Page	Reference	Key	Description	Page
12-5229	1	Disposable One Step Trocar System 23 Ga, 6 per Box	151	12-304-23DP	6	Disposable Vitreoretinal Gripping Forceps with a "Crocodile" Platform, 23 Ga, Plastic Handle 360°, 6 per Box	149
12-5161H	2	Backflush Instrument with Soft Tip, 23 Ga, 6 per Box	152	12-202-23DP	7	Disposable Vitreoretinal Vertical Scissors, 23 Ga, Plastic Handle 360°, 6 per Box	149
12-7523	3	Disposable Diamond Dusted Retractable ILM Elevator, 23 Ga, 5 per Box	149	12-5203	8	Dual Bore PFC Cannula, 23 Ga, 5 per Box	153
12-209-23DP	4	Disposable Vitreoretinal Curved Scissors, 23 Ga, Plastic Handle 360°, 6 per Box	149	12-5248	9	Viscous Fluid Injection Cannula 23 Ga, 4 mm Tip, 5 per Box	153
12-410-23DP	5	Disposable Vitreoretinal Eckardt End-Gripping Forceps, 23 Ga, Plastic Handle 360°, 6 per Box	149	SmartSil5000	10	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt	154

*Tubings for other vitrectomy machines are available

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	Page	Reference	Key	description	Page
12-001T	1	Universal Instrument Handle, One Finger Control	139	12-3259	9	Pick Vitreoretinal Forceps, 25 Ga, Tip only	146
12-003T	2	Universal Instrument Handle, Squeeze Model, Two Fingers Control	139	12-6000	10	Titanium Backflush Handle	152
12-2029	3	Vertical Vitreoretinal Scissors, 25 Ga, Tip only	146	12-5152	11	Soft Tip Cannula, 25 Ga, 5 per Box	153
12-2099	4	Curved Subretinal Scissors, 25 Ga, Tip only	146	12-5173-25	12	Reusable Trocar System, 25 Ga	150
12-410-25	5	Eckardt End-Gripping Forceps, 25 Ga, Tip only	146	13-0979	13	Delicate Membrane Pick, 25 Ga	144
12-420-25	6	End-Grasping Forceps, 25 Ga, Tip only	146	SmartSil5000	14	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt	154
12-3019	7	Vitreoretinal Forceps with a Sandblasted Platform, 25 Ga, Tip only	146	12-RTUB-2*	15	Reusable Tubing System for the Infusion of Silicone Oil	155
12-304-25	8	Vitreoretinal Forceps with a "Crocodile" Platform, 25 Ga, Tip only	146				

DISPOSABLE SET, 25 GA



Reference	Key	Description	Page	Reference	Key	Description	Page
12-5244	1	Disposable One Step Trocar System 25 Ga 6 per Box	151	12-304-25DP	6	Disposable Vitreoretinal Gripping Forceps with a "Crocodile Platform", 25 Ga, Plastic Handle 360°, 6 per Box	149
12-5152H	2	Backflush Instrument with Soft Tip, 25 Ga, 6 per Box	152	12-202-25DP	7	Disposable Vitreoretinal Vertical Scissors, 25 Ga, Plastic Handle 360°, 6 per Box	149
12-7525	3	Disposable Diamond Dusted Retractable ILM Elevator, 25 Ga, 5 per Box	149	12-5205	8	Dual Bore PFC Cannula, 25 Ga, 5 per Box	153
12-209-25DP	4	Disposable Vitreoretinal Curved Scissors, 25 Ga, Plastic Handle 360°, 6 per Box	149	12-5258	9	Viscous Fluid Injection Cannula 25 Ga, 4 mm Tip, 5 per Box	153
12-410-25DP	5	Disposable Vitreoretinal Eckardt End-Gripping Forceps, 25 Ga, Plastic Handle 360°, 6 per Box	149	SmartSil5000	10	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt, 10 ml in a 20 ml Syringe	154

*Tubings for other vitrectomy machines are available

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APPENDIXES

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STERILIZATION AND CARE

DIAMOND KNIVES STERILIZATION

APPLICATION

Ophthalmic microsurgical knives with diamond blades are used for cutting and dissection of tissues during ophthalmic, microvascular, neurosurgical, and plastic surgery.

CHARACTERISTICS



The blades are made 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).

DEVICE

The diamond knife consists of a titanium handle and a diamond blade. The handle is fit with a mechanism providing blade installation and its safe fixation in an operative and non-operative position. The construction of the knife can be changed in order to improve its usability.



COMPLETE UNIT

Each complete set contains:

- diamond knife — 1 unit
- label — 1 unit
- sterilization tray — 1 unit
- care and cleaning instructions — 1 unit

USAGE INSTRUCTIONS

1. The diamond blade is very fragile, therefore, each knife must be handled, cleaned, and stored delicately. Avoid blows or vibrations. Any contact of the blade with other instruments or materials should be avoided.
2. Before using a knife, make sure there are no chips on the cutting edge. A microscope with at least 100x power magnification should be used for the inspection.
3. When transporting diamond knives, the blades must be fully retracted into the handles (non-operative position). We recommend the knives to be kept and carried in sterilizing cases or with a PTFE shipping clamp to avoid self-movement. When a knife is not in use, its blade must be retracted into the handle and protected from mechanical damage.
4. Please rotate the movable part of the handle clockwise and fix the blade to set the knife in its operative position. The blade is to be set in the operative position for the surgical operation just prior to usage.
5. After usage, slightly pull the movable part of the handle downwards and rotate 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 a knife.

PRESTERILIZATION TREATMENT AND STERILIZATION

Presterilization treatment includes a number of procedures. Please remember to clean the blade and the handle, remove blood, tissue debris and viscoelastic directly after the operation.

MANUAL CLEANING:

- use a syringe with distilled water to flush the instrument;
- dip the knife (blade retracted) into weak alkaline cleaning solution and keep for 60 minutes at a temperature of +22°C (+72°F);

- the handle of a knife can be cleaned with a soft brush;
- flush the instrument with flowing water for 30 seconds, then sluice with distilled water for other 30 seconds; the blade should be pointed down for flushing.



We recommend to use a diamond knife cleaning pack (21-602-1) for gentle cleaning of the blade. The pack contains three solutions that eliminate residual debris off the blade and prepare it for sterilization.

Diamond knives can be cleaned in an automatic washer designed for micro-surgical instruments. Please follow the manufacturer's instruction.

ULTRASONIC CLEANING:

- The cleaning machine should be filled with warm distilled water +70°C (+152°F). Immerse the knife with the retracted blade into the water. The sterilizing case with finger mats will reduce vibration and protect the blade.(see Tray with silicone finger tip mat 18-301 on p. 130);
- 2 to 3 min washing cycle should be enough to clean the knife;
- Rinse the instrument with distilled water before steam sterilization.

STERILIZATION:

The knives should be sterilized before each surgical case by one of these methods:

Sterilization Method	Type of Sterilization	Item	Temperature	Exposure Time	Drying Cycle
Steam	Gravity Displacement	Wrapped	+132°C (+270°F)	34 min	min.10 min
Flash Process	Gravity Displacement	Unwrapped	+132°C (+270°F)	10 min	min.10 min
Steam	Prevacuum	Wrapped	+132°C (+270°F)	3 min	min.10 min
Flash Process	Prevacuum	Unwrapped	+132°C (+270°F)	3 min	min.10 min

Make sure the blade is in its non-operative position (retracted) before sterilization; self-movement must be avoided. We recommend sterilizing the knives in trays specially designed for diamond knives as the silicone holders will help stabilize them.

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 is not able to provide specific cycle parameters. It is the responsibility of each user to perform the validation and verification of the sterilization cycle and observe the instruction provided by the manufacturer of sterilization and cleaning units.



STORAGE

Diamond knives must be kept at a temperature from +10°C to +25°C (+50°F 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 must be avoided and blows or vibrations should be avoided.

MANUFACTURER'S WARRANTY

Manufacturer guarantees knives to be in accordance with the documentation when service and storage instructions are followed by the consumer. We provide a 2 year guarantee for the spring mechanism and titanium parts. The diamond blade can be resharpened or exchanged according to the after-sale service program.

RECEPTION INSPECTION

Incoming inspection is obligatory. It includes:

- visual examination of the package obtained (no mechanical damages are permitted);
- visual inspection of the knife (no mechanical damages such as cracks, chips, oxide scales etc. are permitted; all parts of the knife must be joined smoothly);
- blade must be set into the operating/non-operating position without jamming; it must be fixed easily.

The knives you purchase are not sterile and should be sterilized before the first surgery. Please examine the blade before each operation and never use a knife in the event any defect is noticed. Damaged knives should be sent for resharpening or blade replacement.

CARE & CLEANING OF VITREORETINAL AND MICROINCISIONAL INSTRUMENTS

RUMEX Instruments (ophthalmic scissors and forceps for vitreoretinal and microincisional surgery) are designed for various applications in ophthalmic surgery.

It is essential that the instrument is cleaned and sterilized before initial use and after each surgery, following as outlined in this instruction brochure.

CARE AND HANDLING

The intraocular tips have a delicate precision mechanism inside. Intraocular fluids will enter this mechanism during surgery. 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.

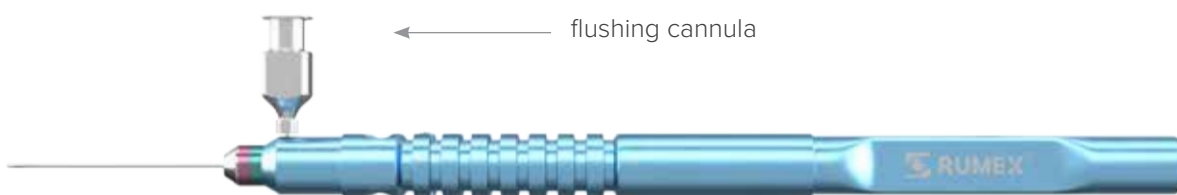
CLEANING



Cleaning of the tip:

1. Unscrew the tip from the handle, then attach flushing adapter 12-000T;
2. Flush the tip with distilled or deionized water by connecting a syringe filled with water to adapter;
3. Flush the tip with alcohol. This will remove the water and facilitate drying;
4. Dry the tip by forcing one or two syringes full of air through tip. Pressurized air is recommended, as it flushes out debris and fluid more efficiently than syringe forced air. Thoroughly dry handle, tip and cup;
5. Dry with air;
6. Handle should be soaked in distilled or deionized water for two minutes;
7. Dry with surgical sponge;
8. 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;
2. Soak it in the soap solution at temperature of $50 \pm 5^\circ\text{C}$ ($122 \pm 41^\circ\text{F}$) and keep it there for (15 ± 1) 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 ± 1) min;
5. Rinse the instrument with distilled or deionized water;
6. After that, flush the instrument with alcohol solution. It will remove the water and contribute to drying;
7. Next, adjust the cannula on the luer of the syringe and fill the syringe with distilled or deionized 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 deionized water by forcing syringe plunger. Then repeat the procedure with use of alcohol solution;
10. Finally, blow the air inside the tube, by forcing the air from the syringe into the port of the instrument.

INSTRUMENT DETERGENTS AND/OR CLEANERS

Only detergents and cleaners specially designed for use on surgical stainless steel or titanium instruments are acceptable for use in the cleaning process. The cleaning guidelines of the solution manufacturer and your institution should be observed.

ULTRASONIC CLEANING EQUIPMENT

An ultrasonic cleaner could also be used in the instrument cleaning process, but not as the sole cleaning method. The instrument should, at the very least, be flushed with distilled water prior to being placed inside the equipment. A five to ten minutes cycle in the ultrasonic cleaner should be sufficient. The instrument must be secured on a silicone finger mat during the ultrasonic cleaning procedure. Special care should be taken to make certain that the tip of the instrument does not come into contact with the sides of the ultrasonic container, as this could damage the instrument.

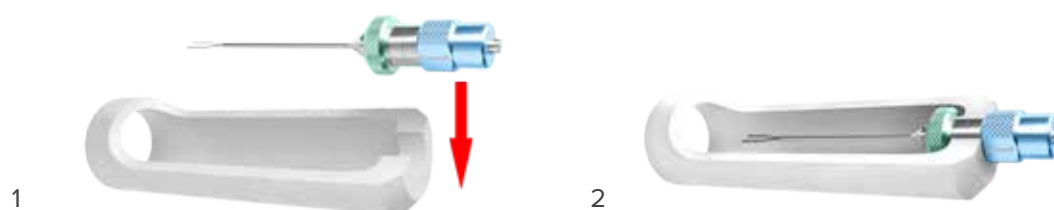
LUBRICATION

Moving parts and working mechanisms of RUMEX instruments should be lubricated occasionally with a medical grade instrument lubricant (especially after an ultrasonic bath) to ensure smooth operation of the working mechanism. The recommended directions of the instrument lubricant manufacturer should be observed.

STORAGE

Surgical instruments should be stored in the sterilizing trays of proper size lined with soft silicone mats. Instruments should not touch each other. We recommend using safety protectors made of PTFE, which are autoclavable. RUMEX International Co. designed two models of safety protectors. The photos below illustrate the way to fix a tip in a protector.

Please insert the tips into PTFE protectors as shown in the picture:



1. Match the nut indicating the gauge with the hub, press the tip gently
Make sure the branches do not touch the protector

2. The tips in their final position — safely fixed by the protector.

Note: the tips should be sterilized in the protector to avoid any contact with other instruments.

STERILIZATION

Stainless steel and titanium instruments can be sterilized via steam autoclaving, chemical disinfectants, ethylene oxide gas, or even dry hot air. Gas and dry chemical sterilization are the best methods for stainless steel instruments, but they take a lengthy time period to accomplish the desired result. The most practical method of sterilization is heat or steam, which require less time, however, these methods can be damaging to delicate instruments. Please be sure that you and the members of your staff have read and understood the instructions supplied by the manufacturer of your particular sterilizer.

STERILIZATION CYCLES

Finally, the instrument should be sterilized prior to the next surgical procedure.

RUMEX instruments can be sterilized using any of the following methods:

100% ETO cycles	
Concentration ETO	850±50mg/l
Temperature	+37 °C – 47 °C (+99°F - 117°F)
Exposure time	3–4 hours
Humidity	70% RH minimum 1 hour

	Steam Autoclaving		“Flash” Autoclaving	
Sterilizer Type	Gravity Displacement	Prevacuum	Gravity Displacement	Prevacuum
Sample Config.	wrapped	wrapped	unwrapped	unwrapped
Temperature °C	+132 °C	+132 °C°	+132 °C	+132 °C
Temperature °F	+270 °F	+270 °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

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 is not able to provide specific cycle parameters. It is the responsibility of each user to perform the validation and verification of the sterilization cycle to ensure an adequate sterility assurance level for RUMEX products.

INSPECTION

Be sure to inspect every microsurgical instrument at the end of your surgical day. Please conduct this inspection under a microscope or magnification lens. If a damaged instrument is detected, repair or replace it.

INSTRUCTIONS FOR USE

RUMEX instruments are designed in cooperation with top-of-the-notch surgeons from all over the world, and then manually crafted by highly qualified professionals under the precision microscopes and machines, and then a tungsten carbide and various covers are applied with a view to achieving the best functional characteristics possible. However, any device that is initially perfect can't remain in its condition without proper handling and care. 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 its initial conditions, we strongly recommend you to read the instructions below carefully before use.

INSPECTION

It is essential that the instrument is inspected before use. Please conduct this inspection under a microscope or magnification lens. If a problem is detected, notify us immediately. Once the instrument is examined and accepted, IT SHOULD BE CLEANED BEFORE PLACING IT IN THE STERILIZING TRAY.

MANUAL CLEANING

It is imperative to follow the next rules:

- as much moisture as possible must be eliminated from all of the instrument's parts since moisture promotes corrosion of the instrument;
- only detergents and cleaners specially designed for use on surgical stainless steel or titanium instruments are acceptable for use in the cleaning process. Cleaning guidelines of the solution manufacturer and your institution should be observed;
- submerge instruments into cold deionized water (<40°C/104°F). Operate manual function instruments at least ten times under running water. Use a mild soap solution and a soft brush to clean the instrument and remove any stains. Never use abrasive powders or steel wool to remove stubborn stains – these can damage the superfine finish of an instrument and can actually help cause corrosion of stainless instruments;
- soak instruments in an enzymatic detergent with pH level between 6-9 for 10 min at 40°C/104°F. Disinfection agent should be aldehyde-free;
- use distilled or demineralized water to rinse instruments thoroughly. Rinse the instruments minimum 3 times and then carefully dry them with a hot air blower or lint-free cloth. Instruments with lumens should be flushed out at least five times at the beginning and at the end of the cleaning (10 ml distilled or deionized water to be used each time).

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.

Cleaning	Automated Cleaning	Ultrasonic Cleaning
	Put the instruments in a tray and load inside the equipment. The recommended cycle: <ul style="list-style-type: none"> • Pre-cleaning with deionized cold water for three minutes; • Cleaning at 55°C/131°F with 0.5% alkaline detergent for five minutes. At the end the solution must be drained; • Neutralization with deionized cold water for two minutes. At the end the solution must be drained; • Rinsing with cold water for two minutes. Lubricate the joints and hinges of the instruments for two minutes, if applicable; Draining time: 10 min.	Place instruments on silicone fingertip mat; Change the ultrasonic solution from ultrasound cleaner after each use; When using deionized water or cleaning solution fully submerge the instruments; Use enzymatic detergent to soak the instruments; Turn on ultrasonic bath (38 KHz) for ten minutes; Use soft bristled nylon brush to clean all the parts of the instrument, inside and outside; Remove the cleaning detergent by flushing with demineralized water; The ultrasonic bath and the use of strong cleaning solutions can affect the life span of the delicate instruments. Make sure the appropriate agents are chosen for performing the procedure.
Drying	Drying cycle of the washer. A lintfree cloth may be used for additional drying. Sterile compressed air should be used to insufflate cavities of the instruments.	A lintfree cloth may be used for manual drying. Sterile compressed air should be used to insufflate cavities of the instruments.

ULTRASONIC CLEANING EQUIPMENT

An ultrasonic cleaner could also be used in the instrument cleaning process, but not as the sole cleaning method. The instrument should, at the very least, be flushed with distilled water prior to being placed into the equipment. A five to ten minutes cycle in the ultrasonic cleaner should be sufficient. The instrument must be secured on a silicone finger mat during the ultrasonic cleaning procedure. Special care should be taken to make certain that the tip of the instrument does not come into contact with the sides of the ultrasonic container, as this could damage the instrument.

LUBRICATION

Moving parts and working mechanisms of the RUMEX instruments should be lubricated occasionally with a medical grade instrument lubricant (especially after an ultrasonic bath) to ensure the smooth operation of the working mechanism. The recommended directions of the instrument lubricant manufacturer and your institution should be observed.

STORAGE

Surgical instruments should be stored in the sterilizing trays of proper size and lined with soft silicone mats. Instruments should not touch each other. We recommend using protective tips made of soft silicone tubing of the proper size and thickness. Do not use rubber or plastic protective tips, as they can melt during autoclaving and cause damage of instruments.

STERILIZATION

Stainless steel and titanium instruments can be sterilized via steam autoclaving, chemical disinfectants, ethylene oxide gas, or even dry hot air. Gas and dry chemical sterilization are the best methods for stainless steel instruments, but it takes a lengthy time period to accomplish the desired result. The most practical method of sterilization is heat or steam, which require less time, however, these methods can be damaging to delicate stainless steel instruments. Please, be sure that you and the members of your staff have read and understood the instructions supplied by the manufacturer of your particular sterilizer.

STERILIZATION CYCLES

Finally, the instrument should be sterilized prior to the next surgical procedure. RUMEX instruments can be sterilized using any of the following methods:

100 % ETO CYCLES

Concentration:	850±50 mg/l	
Temperature:	+37°C–47°C (+99°F - 117°F)	
Exposure time:	3–4 hours	
Humidity:	70% RH minimum	

STEAM AUTOCLAVING

SterilizerType:	Gravity Displacement	Prevacuum
Sample Config.:	wrapped	wrapped
Temperature:	+132°C (+270°F)	+132°C (+270°F)
Exposure time:	34 minutes	3 minutes
Drying Cycle:	min. 10 minutes	min. 10 minutes

'FLASH' AUTOCLAVING

SterilizerType:	Gravity Displacement	Prevacuum
Sample Config.:	unwrapped	unwrapped
Temperature:	+132°C (+270°F)	+132°C (+270°F)
Exposure time:	10 minutes	3 minutes
Drying Cycle:	min. 10 minutes	min. 10 minutes

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.

AT THE END OF A SURGICAL DAY

Instruments should be washed clean of all residues, dried and inspected after each use. Be sure to inspect every microsurgical instrument at the end of your surgical day. Please conduct this inspection under a microscope or magnification lens. If a damaged instrument is detected, repair or replace it. Washing, drying and inspecting the instrument under magnification helps to ensure that the instrument is kept in proper condition for the next surgical procedure.

ABBREVIATIONS

BRVO	Branch Retinal Vein Occlusion
BSS	Balanced Salt Solution
CPM	Cuts per Minute
CRVO	Central Retinal Vein Occlusion
DALK	Deep Anterior Lamellar Keratoplasty
DLEK	Deep Lamellar Endothelial Keratoplasty
DMEK	Descemet's Membrane Endothelial Keratoplasty
DSAEK	Descemet's Stripping Automated Endothelial Keratoplasty
DSEK	Descemet's Stripping Endothelial Keratoplasty
ECCE	Extracapsular Cataract Extraction
ERM	Epiretinal Membrane
I/A	Irrigation / Aspiration
ICL	Implantable Collamer Lens
ICRS (implantation)	Intrastromal Corneal Ring Segments
ID	Inner Diameter
ILM	Internal Limiting Membrane
IOL	Intraocular Lens
LASEK	Laser-Assisted Sub-Epithelial Keratectomy
LASIK	Laser-Assisted in Situ Keratomileusis
LHD	Left Handed Doctor
LRI	Limbal Relaxing Incisions
MGD	Meibomian Gland Dysfunction
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
SS	Stainless Steel
Ti	Titanium

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