



# OPHTHALMIC INSTRUMENTS + IOLs & Consumables

**2022**



**AFFORDABLE.  
RELIABLE. PRECISE.**

INTRODUCTION	7-9
IOLs, DISPOSABLE ANTERIOR INSTRUMENTS AND CONSUMABLES	11-28
NEW	29-34
REUSABLE ANTERIOR INSTRUMENTS	35-125
VITREORETINAL INSTRUMENTS AND CONSUMABLES	127-147
FEATURED SETS	150-168
APPENDIXES	169-203

## INTRODUCTION

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MORE THAN 25 YEARS OF SUCCESS	8
HOW TO PLACE AN ORDER	9
WARRANTY, RETURNS AND REPLACEMENTS	9

## IOLS, DISPOSABLE ANTERIOR INSTRUMENTS AND CONSUMABLES

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<b>IOL IMPLANTATION SOLUTIONS</b>	<b>12</b>
<b>IOLs</b>	<b>13</b>
Hydrophobic	13
Hydrophilic	14
<b>DISPOSABLE INJECTION SYSTEMS AND CARTRIDGES</b>	<b>15</b>
<b>OVDs</b>	<b>16</b>
Dispersive	16
Cohesive	17
<b>DISPOSABLE KNIVES</b>	<b>18</b>
Side Port Knives	18
Paracentesis Knives	18
Slit Knives	18
Trapezoidal Knives	18
Clear Corneal Knives	19
Clear Corneal Knives with Depth Indicators	19
Crescent Knives	19
Pre-Set Knives	19
MVR Knives	19
<b>DISPOSABLE INSTRUMENTS</b>	<b>20</b>
Speculums	20
Spatulas and Manipulators	20
Forceps	21
Scissors	21
Iris Retractors	22
PVA Spears	22
<b>MANI OPHTHALMIC SUTURES</b>	<b>23</b>
<b>DISPOSABLE CANNULAS</b>	<b>24</b>
Anesthesia Cannulas	25
Anterior Chamber Cannulas	25
Hydrodissection Cannulas	26
Cortex Removal Cannulas	26
Cystotome Cannulas	26
Refractive Cannulas	27
Lacrimal Cannulas and Sets	27
<b>NEW</b>	<b>29</b>

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## REUSABLE ANTERIOR INSTRUMENTS

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<b>BLADE HOLDERS</b>	<b>36</b>
<b>CALIPERS &amp; GAUGES</b>	<b>37</b>
Calipers & Keratometers	37
Gauges	38
<b>MARKERS</b>	<b>39</b>
Axis Markers	39
Corneal Transplant Markers	39
Optical Zone Markers	40

Lasik Markers	41
Toric IOL Markers	41
LRI/Toric Markers with Gravity Weight System	42
Marking Pens	43
Markers for LRI/IOL Implantation with Gravity Weight System	44
<b>A VARIETY OF CAPSULORHEXIS FORCEPS</b>	<b>45</b>
<b>FORCEPS</b>	<b>47</b>
Capsulorhexis Forceps	47
Forceps for Laser-Assisted Surgery	49
MICS Capsulorhexis Forceps	50
Cilia Forceps	52
Conjunctiva Forceps	52
Lid and Chalasion Forceps	52
Compressing Lid Forceps	53
LASIK Flap Forceps	53
SMILE Forceps	53
ICRS Forceps	54
Corneal Forceps	54
Corneal Transplantation Forceps	56
Dressing Forceps	57
Fixation Forceps	58
Lens Inserters	59
IOL Removing Instruments	60
ICL Forceps	62
Iris Forceps	63
Jeweler Forceps	63
Hemostatic Forceps and Serrefines	64
Muscle Forceps	64
Suturing Forceps	65
Tying Forceps	66
Utility Forceps	67
Towel Clamps and Forceps	67
<b>HOOKS</b>	<b>68</b>
Intraocular Lens Hooks	68
Muscle/Tenotomy Hooks	69
Retinal Detachment Hooks	70
Iris Hooks	70
<b>DIAMOND KNIVES</b>	<b>71</b>
Astigmatic Keratotomy and ICRS	71
Universal Side-Port Knives	71
Angled Phaco Knives	72
LRI Knives	73
<b>SAPPHIRE KNIVES</b>	<b>74</b>
Universal Side-Port Knives	74
Phaco Knives	74
<b>PHACO INSTRUMENTS</b>	<b>75</b>
Prechoppers	76
Choppers	77
Hydrochoppers	80
Capsule Polishers	80
Irrigation/Aspiration Handpieces	81
<b>NEEDLE HOLDERS</b>	<b>83</b>
Kalt Needle Holders	83
Castroviejo Needle Holder	83
Ing's Needle Holders/Scissors	83

Coaxial/Intraocular Needle Holders	83
Barraquer Needle Holder	84
<b>PROBES</b>	<b>85</b>
<b>RETRACTORS</b>	<b>86</b>
Lacrimal Sac Retractors	86
Lid & Orbital Retractors	86
Iris (Pupil) Dilators	87
<b>SCISSORS</b>	<b>88</b>
Corneal Scissors	88
Iris Scissors	89
Stitch Scissors	90
Strabismus Scissors	90
Tenotomy Scissors	91
Capsulotomy Scissors	92
Enucleation Scissors	93
IOL Cutters/Scissors	93
<b>SPATULAS</b>	<b>94</b>
Iris/Nucleus Spatulas	94
Cyclodialysis Spatulas	94
Femtosecond Cataract Spatulas	95
Corneal Spatulas	95
DSEK, DSAEK, DMEK Spatulas	96
DLEK Spatulas	99
DALK Spatulas	99
Foreign Body Spuds	100
PRK/LASIK Spatulas	100
LASEK Spatulas	101
SMILE Spatulas	101
FemtoLASIK Spatulas	102
ICL™ Spatulas	103
ICRS Spatulas	103
<b>SPECULUMS</b>	<b>104</b>
Speculums with Aspiration	104
Lancaster Speculums	105
Castroviejo Speculums	105
Reversible Speculums Kershner Style	105
Temporal Speculums Lieberman Style	06
Lath Speculums	106
Nasal Speculums Lieberman Style	107
Sauer Speculums	107
Barraquer Wire Speculums	108
<b>CANNULAS</b>	<b>109</b>
Anesthesia Cannulas	109
Anterior Chamber Cannulas	109
Irrigating/Aspirating Cannulas	110
Lens Removal/Nucleus Removal Cannulas	111
Hydrodissection/Hydrodelineation Cannulas	111
Cortex Removal Cannulas	112
Cystotome Cannulas	112
Capsule Polishers	112
Glaucoma Cannulas	113
DALK Cannulas	113
Refractive Cannulas	113
Lacrimal Cannulas	114
Accessories	114

<b>MISCELLANEOUS</b>	<b>115</b>
ALGERBRUSH INSTRUMENTS	115
DISPOSABLE ELECTRIC EYE CAUTERIES	116
FIXATION RINGS	116
FLIERINGA RINGS	116
INJECTORS	116
LENS LOOPS	117
LID PLATES	117
PUNCHES & RONGEURS	117
SCLERAL DEPRESSORS	118
SPOONS & CURETTES	118
SURGICAL MALLETS & CHISELS	119
NASAL SPECULUMS	119
TRABECULOTOMES	119
TREPHINES	119
TUNNEL MAKERS	119
PERIOSTEAL ELEVATORS	119
<b>STERILIZATION TRAYS</b>	<b>120</b>
SIZE CHART	120
PLASTIC TRAYS	121
ALUMINUM TRAYS	122
STAINLESS STEEL TRAYS	122
<b>LASEK/LASIK INSTRUMENTS</b>	<b>123</b>
SPATULAS	123
EPITHELIUM REMOVAL KNIVES	125
TREPHINES AND FUNNELS	125
MARKING PENS	125

## VITREORETINAL INSTRUMENTS AND CONSUMABLES

FEATURED PRODUCTS	128
VITREORETINAL INSTRUMENT TIPS	129
HANDLES FOR VITREORETINAL INSTRUMENTS	130
SCISSORS	131
INTERNAL LIMITING MEMBRANE (ILM) FORCEPS	132
EPIRETINAL FORCEPS	133
PICK FORCEPS	134
FOREIGN BODY REMOVAL FORCEPS	134
MEMBRANE INSTRUMENTS	135
23 GAUGE INSTRUMENTS	136
25 GAUGE INSTRUMENTS	137
27 GAUGE INSTRUMENTS	137
ONE-PIECE VITREORETINAL INSTRUMENTS WITH FLUSHING SYSTEM	138
A VARIETY OF OPTIONS FOR VITREORETINAL SURGERY	139
REUSABLE TWO STEP TROCAR SYSTEMS	140
DISPOSABLE ONE-PIECE STAINLESS STEEL INSTRUMENTS	141
DISPOSABLE INSTRUMENTS WITH PLASTIC HANDLE	142
DISPOSABLE DIAMOND DUSTED RETRACTABLE ILM ELEVATORS	142
DISPOSABLE ONE STEP TROCAR SYSTEMS	143
BACKFLUSH HANDLES AND RESERVOIRS	144
DISPOSABLE BACKFLUSH INSTRUMENTS	144
VITREORETINAL CANNULAS	145
SILICONE OIL	146
SILICONE OIL INFUSION SYSTEMS	147

## FEATURED SETS

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CATARACT SURGERY	150
REFRACTIVE SURGERY	154
CORNEAL SURGERY	156
GLAUCOMA SURGERY	159
PTERYGIUM SURGERY	160
CHALAZION SURGERY	161
LACRIMAL SURGERY	162
LID SURGERY	163
MUSCLE SURGERY	164
OCULOPLASTIC SURGERY	165
VITREORETINAL SURGERY	167

## APPENDIXES

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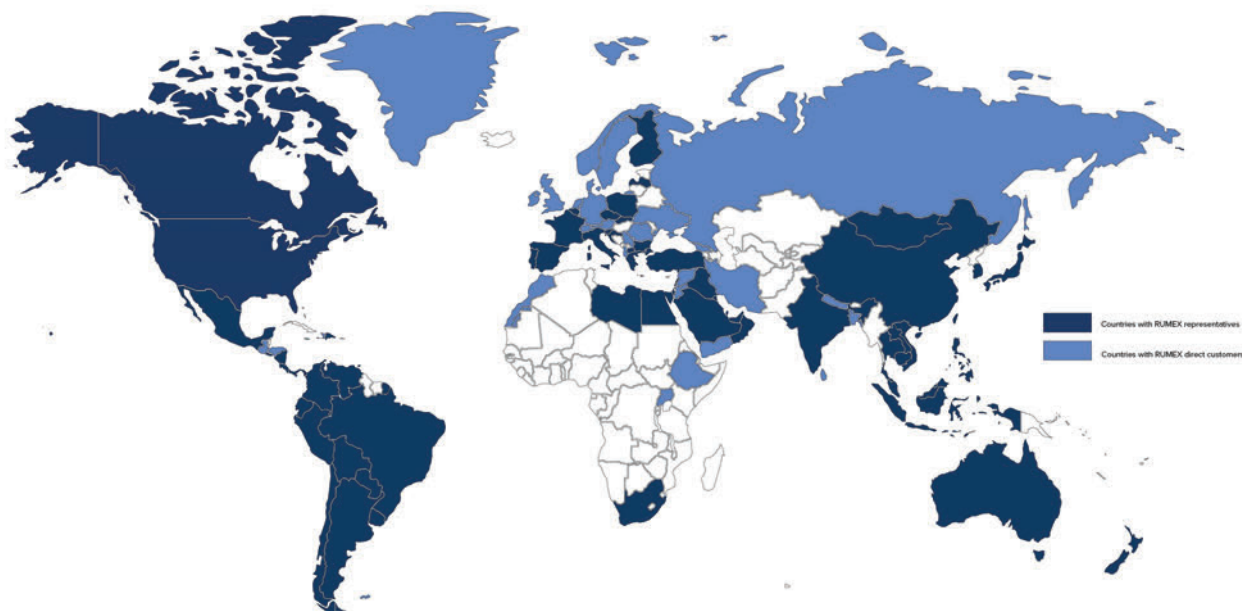
<b>STERILIZATION AND CARE</b>	
GENERAL INSTRUCTIONS FOR CARE, CLEANING AND STERILIZATION	171
DIAMOND KNIVES STERILIZATION	177
HANDLING OF VITREORETINAL AND MICROINCISIONAL INSTRUMENTS	179
<b>ABBREVIATIONS</b>	<b>181</b>
<b>INDEX</b>	<b>182</b>

## MORE THAN 25 YEARS OF SUCCESS

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

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

## DOCTORS IN MORE THAN 100 COUNTRIES CHOOSE RUMEX



Over **2000** products  
in RUMEX range

## HOW TO PLACE AN ORDER

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

If your shipping country is USA, you are welcome to order at [rumex.us](https://rumex.us)

If your shipping country is within Europe, please visit [rumex.eu](https://rumex.eu) to make your order.

For other regions visit [rumex.com](https://rumex.com) and find your local RUMEX representative.

### Pricing

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

### Shipping

We provide our retail customers with two delivery options: via local distributor or by direct shipment from our warehouses. Purchasing with our company is simple and convenient. Processing orders quickly and efficiently is a matter of primary importance to us!

## WARRANTY, RETURNS AND REPLACEMENTS

### Warranty conditions

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

### Returns and replacements

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

To return or replace an instrument please fill in the RMA form and send the paper copy by post together with the instrument. To get the RMA form, please contact customer service department.

To obtain a Return Authorization Number prior to returning instruments, please call customer service department +1 727 535 9600 (for USA, Canada) +371 6616 3182 (for Europe, Asia, Africa, Latin America).

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

### Repairs

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

**MOST  
POPULAR**

Best-selling item

**POPULAR**

SKU preferred by the majority of customers

**NEW**

Recently introduced into the product range of RUMEX International Co.

**COMING  
SOON**

This item will be available in RUMEX range soon



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

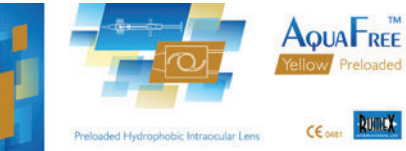
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IOL IMPLANTATION SOLUTIONS	12
IOLs	13
DISPOSABLE INJECTION SYSTEMS AND CARTRIDGES	15
OVDs	16
DISPOSABLE KNIVES	18
DISPOSABLE INSTRUMENTS	20
MANI OPHTHALMIC SUTURES	23
DISPOSABLE CANNULAS	24

IOL IMPLANTATION SOLUTIONS

STEP 1. CHOOSE THE IOL AND DELIVERY SYSTEM

PRELOADED IOL+DELIVERY SYSTEM



AquaFree Yellow Aspheric Preloaded

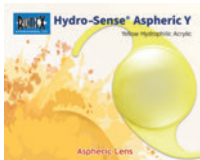
- FEATURES:**
- Fast injection
  - Ready-to-use option

OR

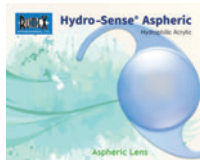
NON-PRELOADED IOLS



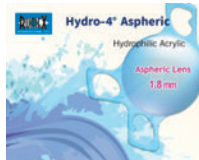
AquaFree Yellow Aspheric



Hydro-Sense Yellow

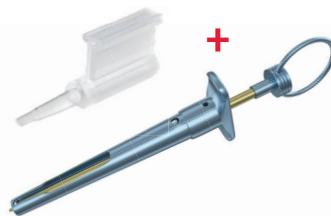


Hydro-Sense



Hydro-4

DELIVERY SYSTEM



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

OR



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

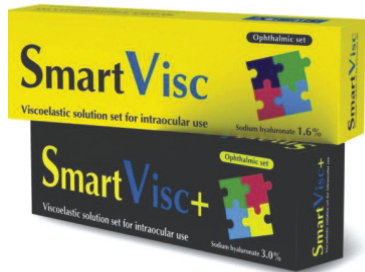
AND/OR

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



IOLs

HYDROPHOBIC IOLs\*

Foldable aspheric monofocal one-piece IOLs



	AquaFree Yellow	AquaFree Yellow Preloaded
Min. incision size		2.2 mm
Overall diameter		13.0 mm
Optic diameter		6.0 mm
Power range		0D to +9D (1D steps) +10D to +30D (0.5D steps)
Self-unfolding		Yes
Water content		<0.5%
Angulation		0°
Material		Natural Yellow Hydrophobic Acrylic
Optic design		Biconvex, square-edge
Refractive index		1.5
Abbe number		50
Nominal A-constant		118.7
Optimized optical constants		Haigis: a0=1.32, a1=0.40, a2=0.10 HofferQ: pACD=5.51 Holl1: sf=1.75 SRK/T: 118.9 SRK II: 119.2 n: 190 Ref. : [304],[332]
Transition temp. of material		11°C
Filtration		UV and Blue Light (400-475 nm)
AC-depth		5.51
Shelf life		5 years

Excellent long-term result

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

Easy and controlled implantation

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

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



HYDROPHILIC IOLs\*

Foldable aspheric monofocal one-piece IOLs



	Hydro-4 Aspheric	Hydro-Sense Aspheric	Hydro-Sense Aspheric Yellow
Min. incision size	1.8 mm – <b>suitable for MICS</b>	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	
Shelf life		5 years	

FEATURES

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

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

# DISPOSABLE INJECTION SYSTEMS AND CARTRIDGES

**DON'T FORGET  
TO BUY**

Disposable IOL Injection System  
MEDICEL VISCOJECT™ Eco  
VE2200\*

**STERILE**

**2**

**20  
PER  
BOX**

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

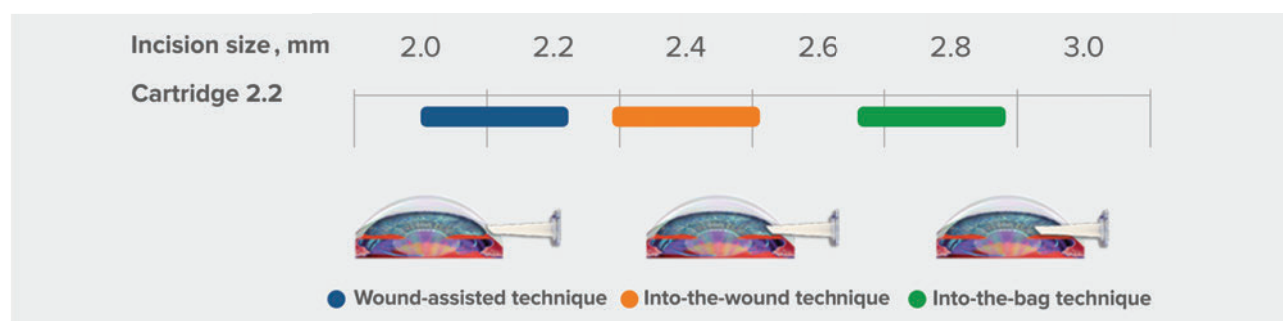


fig.1

## Disposable Cartridges for IOL Injector\*\*

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

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

**NEW** **STERILE**

**2**

**20  
PER  
BOX**



\*Not available in the US

\*\*Not available in Europe

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

OVDs

SUPREME<sup>®</sup>  
Ophthalmic Viscosurgical Device

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

Physico-chemical properties

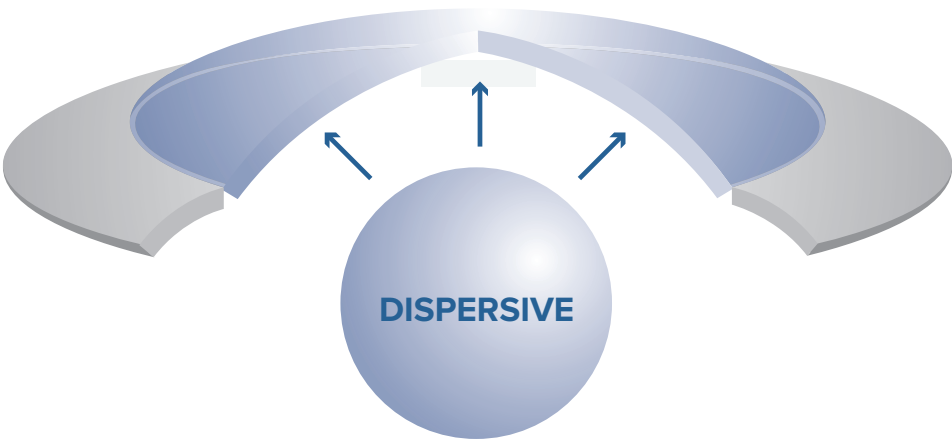
Classification	Dispersive
Composition	HPMC 2%
Molecular weight	86 000 Da
Viscosity	3 000–4 500 cSt
pH	6.0–7.8
Osmolality	250–350 mOsmol/kg
Volume	2 ml
Storage	2-35°C
Shelf Life	3 years

Advantages

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

Dispersive Solution Supreme is used to:

- Coat ocular structures during cataract surgery: in the initial part, during capsulorhexis and phacoemulsification
- Protect corneal endothelium in an eye where endothelium pathology is suspected



<sup>\*</sup>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

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

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

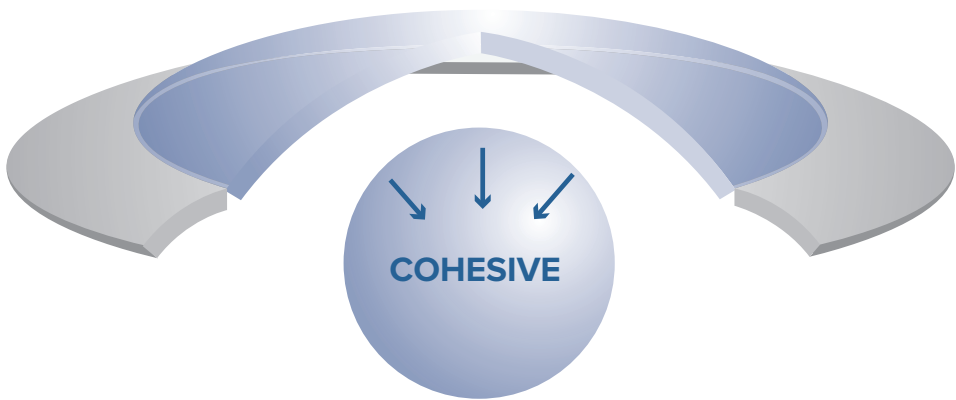


### Advantages

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

### Cohesive Solution SmartVisc is used to:

- Maintain space and pressure in the eye
- Keep the empty capsular bag open for IOL insertion
- Support the anterior chamber and flatten the anterior capsule
- Dilate small pupils
- Dissect areas of adhesion



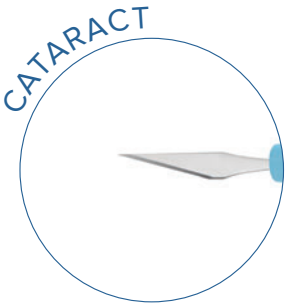
\*Not available in the US  
Product design and/or features that do not influence its functionality and main parameters are subject to change

DISPOSABLE KNIVES

Disposable Knives are supplied sterile in a box of 6

STERILE 2 6 PER BOX

ALL KNIVES ARE EQUIPPED WITH SAFETY LIDS

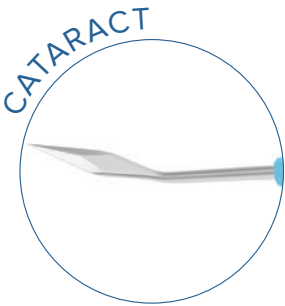


Side Port Knives

Initial stab incisions  
Straight, double bevel

- SP-15 1.00 mm, 15°
- SP-30 1.00 mm, 30°
- SP-45 1.00 mm, 45°

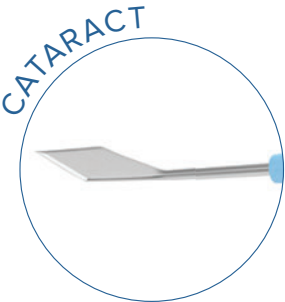
MOST POPULAR



Paracentesis Knives

Paracentesis incisions/side port incisions  
Angled, double bevel

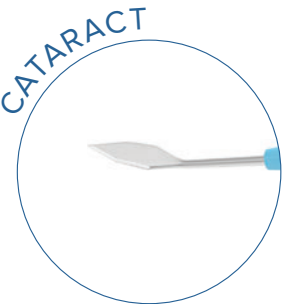
- PK-11 1.10 mm



Slit Knives

Scleral tunnel incisions  
Angled, single bevel

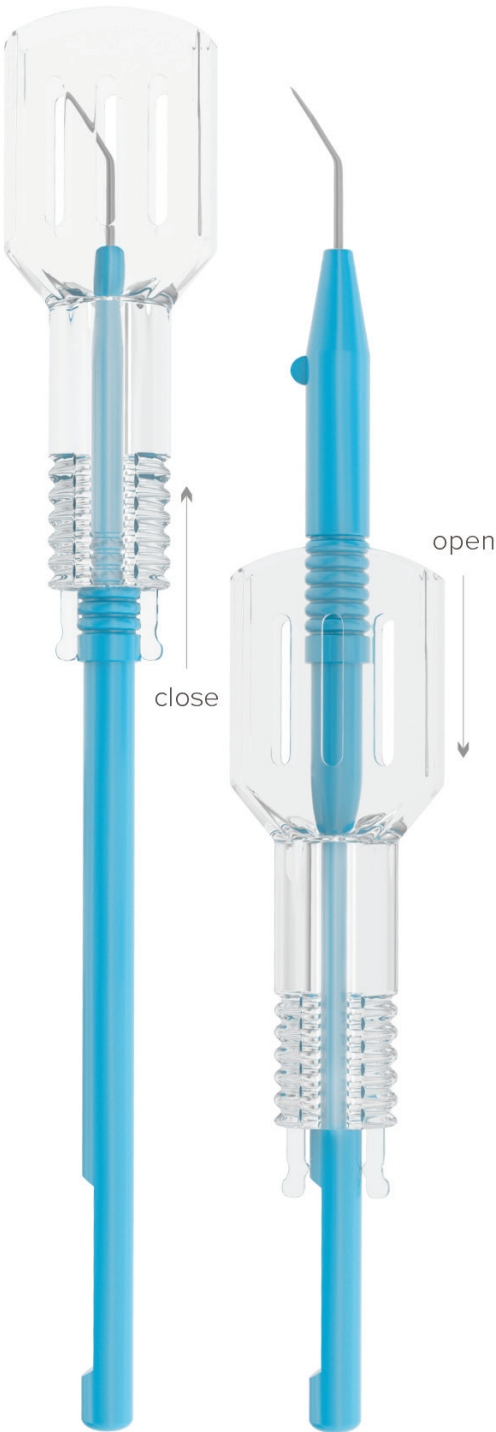
- SL-22 2.20 mm POPULAR
- SL-24 2.40 mm POPULAR
- SL-26 2.65 mm
- SL-27 2.75 mm
- SL-28 2.80 mm POPULAR
- SL-32 3.20 mm



Trapezoidal Knives

Tunnel incisions  
Angled, single bevel

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

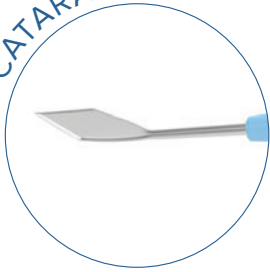


STERILE

2

6  
PER  
BOX

CATARACT

**Clear Corneal Knives**

Clear corneal incisions  
Angled, double bevel

CC-22 2.20 mm

CC-24 2.40 mm

CC-26 2.65 mm

CC-27 2.75 mm

CC-30 3.00 mm

**MOST  
POPULAR****MOST  
POPULAR**

CATARACT

**Clear Corneal Knives with Depth Indicators**

Tunnel incisions  
Angled, double bevel

CCD-22 2.20 mm 1.50, 1.75 mm depth indicators

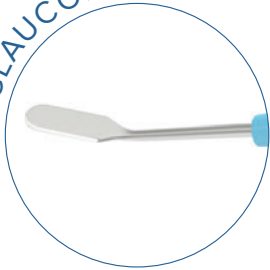
CCD-24 2.40 mm 1.50, 1.75, 2.00 mm depth indicators

CCD-26 2.65 mm 1.50, 1.75, 2.00 mm depth indicators

CCD-27 2.75 mm 1.50, 1.75, 2.00 mm depth indicators

**POPULAR**

GLAUCOMA

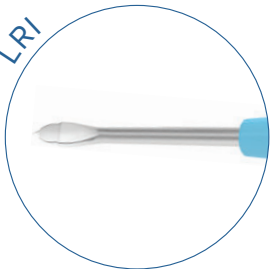
**Crescent Knives**

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

CR-20 2.00 mm

**MOST  
POPULAR**

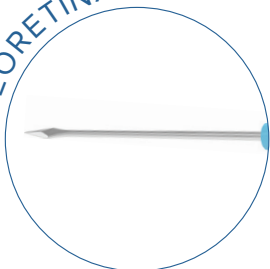
LRI

**Pre-Set Knives**

Groove making/limbal relaxing incisions  
Multifacet

PD-60 600 µm Depth

VITREORETINAL

**MVR Knives**

Posterior segment penetration/side port incisions  
Straight, multifacet

VRS-19 19 Ga

VRS-20 20 Ga

VRS-23 23 Ga

**MOST  
POPULAR****POPULAR**

Angled, multifacet

VRA-19 19 Ga

VRA-20 20 Ga

VRA-23 23 Ga

**CE**  
2803

DISPOSABLE INSTRUMENTS

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

STERILE 2 6 PER BOX

Speculums

Barraquer Wire Speculum

Overall length 40 mm  
Sterile, box of 6

14-022D POPULAR



Spatulas and Manipulators

Overall length 120 mm  
Sterile, box of 6



Sinskey Hook  
Angled  
5-032D



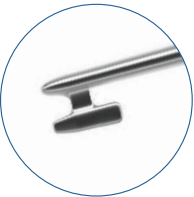
Rosen Phaco  
Chopper  
Universal  
7-065D POPULAR



Lester Lens  
Manipulator  
Angled  
5-0331D



Nagahara Phaco  
Chopper  
RHD  
7-063D



Kuglen Iris Hook  
Angled  
5-030D



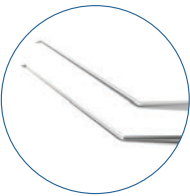
Drysdale Nucleus  
Manipulator  
Universal  
7-093D



Spatula for  
Femtosecond Laser Procedure  
20-204D

Forceps

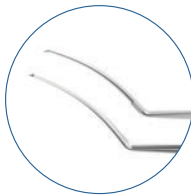
Overall length 104 mm  
Sterile, box of 6



Utrata Capsulorhexis Forceps

Cystotome tips  
Straight

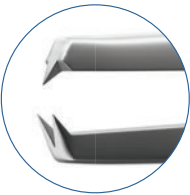
4-0311D **POPULAR**



Utrata Capsulorhexis Forceps

Cystotome tips  
Curved

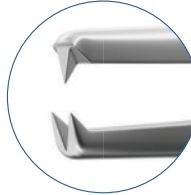
4-0331D **MOST POPULAR**



Castroviejo Suturing Forceps

0.12 mm

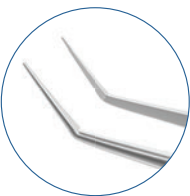
4-0600D **POPULAR**



Bonn-Catalano Corneal Forceps

0.12 mm

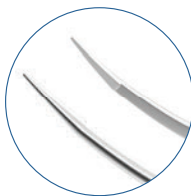
4-0551D



McPherson Tying Forceps

Angled

4-174D



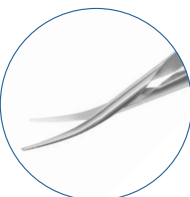
McPherson Tying Forceps

Curved

4-177D **POPULAR**

Scissors

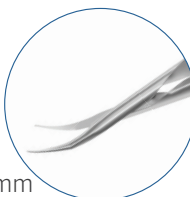
Sterile, box of 6



Castroviejo Universal Corneal Scissors

Blunt tips  
Overall length 106 mm

11-012D **POPULAR**



Westcott Tenotomy Scissors

Blunt tips  
Overall length 115 mm

11-040D **POPULAR**



Vannas Capsulotomy Scissors

Sharp tips  
Overall length 84 mm

11-052D **POPULAR**



Iris Retractors



Iris Retractor\*

Reusable  
Supplied sterile in autoclavable PTFE container  
10-5127

**MOST  
POPULAR**

**STERILE**

6  
PER  
BOX

Iris Retractor\*

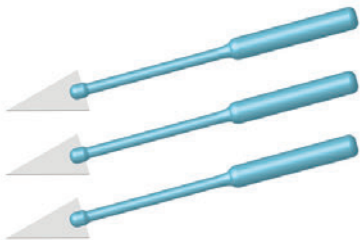
Disposable  
10-5016-1 4 per box  
10-5067-1 5 per box

**POPULAR**

**STERILE**

2

PVA Spears



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

R2-40405\*

**STERILE**

2

180  
PER  
BOX

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

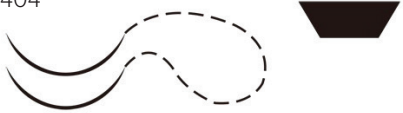
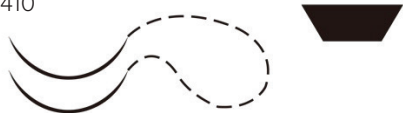

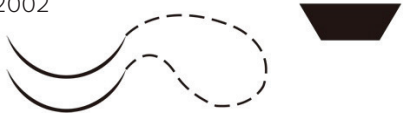
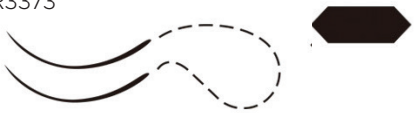
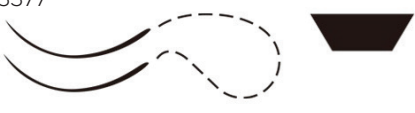


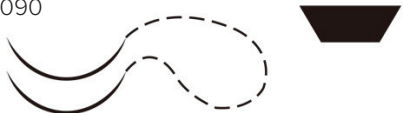
# MANI OPHTHALMIC SUTURES\*

STERILE  

The following list is for reference only.

The sutures are used depending on the surgeon's techniques and preference.

The sutures are supplied sterile in a box of 12.

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

\*For sale in the US only

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

# DISPOSABLE CANNULAS

## DISPOSABLE CANNULAS GAUGE CONVERSION CHART

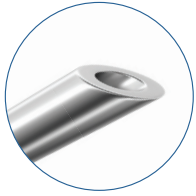
A hub of each cannula has a color according to its gauge.  
To learn more, please see the cannula gauge conversion chart below.

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

# DISPOSABLE CANNULAS\*

## ANESTHESIA CANNULAS

Used for anesthetic agents administration during ophthalmic surgeries.

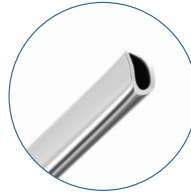


10 PER BOX



Atkinson Retrobulbar Needle

21-R1125 25 Ga × 38 mm



10 PER BOX

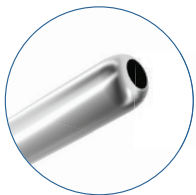


Sub-Tenon's Anesthesia Cannula

21-R1320 20 Ga × 25 mm **POPULAR**

## ANTERIOR CHAMBER CANNULAS

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



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 POPULAR**



5 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

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

9 mm angled tip

21-R2225 25 Ga × 22 mm **POPULAR**

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

10 mm angled tip

21-R2323 23 Ga × 22 mm

21-R2327 27 Ga × 22 mm **POPULAR**



10 PER BOX



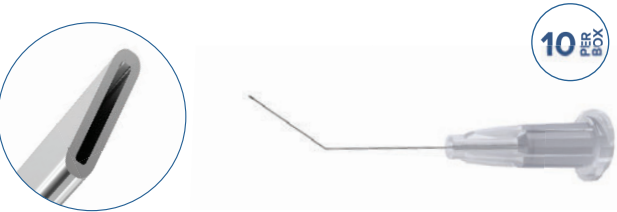
\*Not available in Europe

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

DISPOSABLE CANNULAS

HYDRODISSECTION CANNULAS

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



Pearce Hydrodissector

Angled 32°, spatulated tip

8 mm angled tip

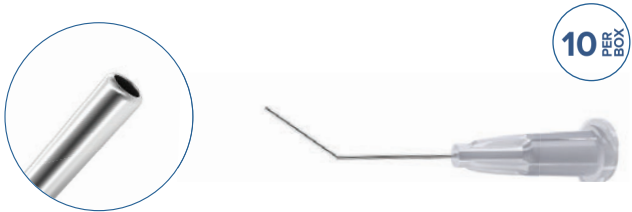
21-R4025 25 Ga × 22 mm

**MOST  
POPULAR**

10 mm angled tip

21-R4027 27 Ga × 22 mm

**MOST  
POPULAR**



Hydrodissector

Angled 32°,

Round smooth tip, 10 mm angled tip

21-R4427 27 Ga × 22 mm

CORTEX REMOVAL CANNULAS

Used to remove cortical material during phacoemulsification.

Simcoe Cortex Extractor

0.30 mm side port

21-R5023 23 Ga × 22 mm



CYSTOTOME CANNULAS

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

Irrigating Cystotome

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

21-R3330 30 Ga × 16 mm

Pearce Irrigating Cystotome

21-R3027 27 Ga × 16 mm



\*Not available in Europe

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

## REFRACTIVE CANNULAS

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

### Lindstorm Lasik Irrigating Cannula

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

21-R7430 25 Ga × 25 mm



10  
PER  
BOX

## LACRIMAL CANNULAS AND SETS

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



3  
PER  
BOX



3  
PER  
BOX

Retrieval Device



### Lacrimal Intubation Set

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

21-R7001 23 Ga × 17.5 cm probe

**MOST  
POPULAR**

### Lacrimal Intubation Set

Olive tip  
Silicone tubing 35 cm  
Stainless Steel probes

21-R7004 27 Ga × 11 cm probe

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



3  
PER  
BOX



3  
PER  
BOX

### DCR Set

Silicone tubing 30 cm  
Stainless Steel probes

21-R7011 20 Ga × 45 mm probe, straight

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

### Lacrimal Intubation Tubing

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

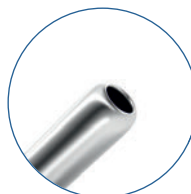
21-R7002

**MOST  
POPULAR**

### Lacrimal Cannulas

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

**MOST  
POPULAR**



10  
PER  
BOX

\*Not available in Europe

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

**MOST  
POPULAR**

Best-selling item

**POPULAR**

SKU preferred by the majority of customers

**NEW**

Recently introduced into the product range of RUMEX International Co.

**COMING  
SOON**

This item will be available in RUMEX range soon



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

---

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

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

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

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

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

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

3-0230

Abdullayev Scleral Marker for Keratoplasty



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

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

3-0231

Abdullayev Corneal Marker for Keratoplasty



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

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

3-024T

Abdullayev I & II Marker

(for DSAEK/DMEK Grafts)

Overall length 135 mm  
Titanium



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



4-261S

Abdullayev DMEK Grasping Forceps

Overall length 82 mm  
Stainless Steel



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

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

**4-033S**

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

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

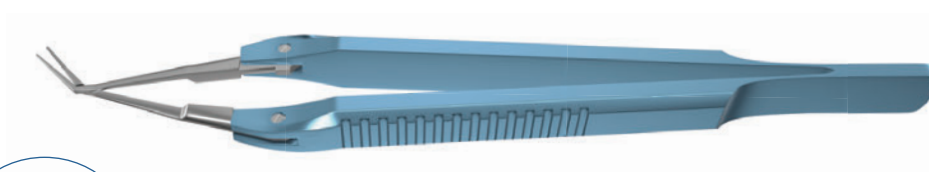


Cross-action prevents the hyperextension of the incision. Micro-thin jaws contribute to free movements in the anterior chamber. Sharp and delicate cystotome tips allow to make the first pinch easily. Tungsten carbide coating provides for better gripping.

**4-0398**

## Cross-Action SMILE Forceps

Overall length 120 mm

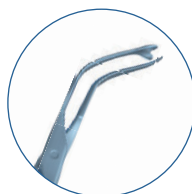


Cross-action prevents the hyperextension of the incision. Serrated jaw facilitates gripping of the lenticule during SMILE procedure.

**4-260T**

## ARTISAN® Implantation Forceps

Overall length 100 mm  
Titanium



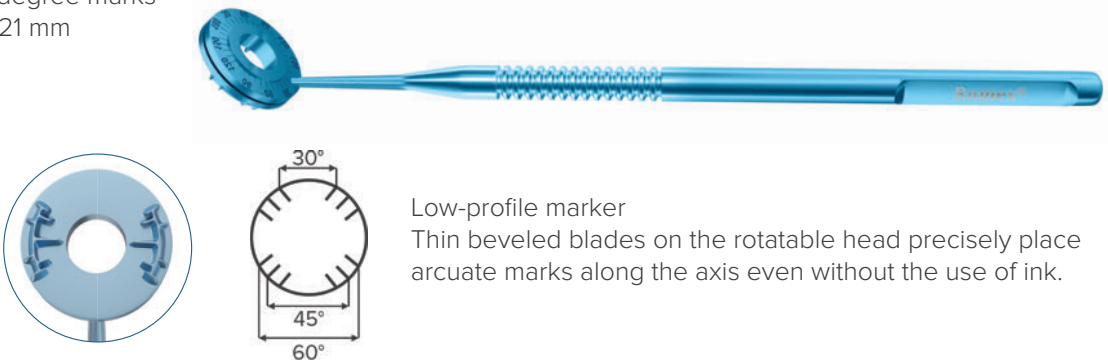
Used for implantation of toric ARTISAN® IOL. Specially designed jaws help to fixate the lens optic during the enclavation.

NEW

3-183T

LRI Marker

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



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

3-204T

John DSAEK Double-Ended Marker

8.00/9.00 mm  
Overall length 143 mm  
Titanium



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

7-149S

Escaf Prechopper

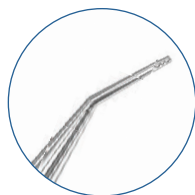
Straight  
Round handle  
Overall length 118 mm  
Stainless Steel



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

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

Overall length 105 mm  
Stainless Steel



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

**14-045T****Lancaster Eye Speculum**

Adjustable Mechanism with Locking Nut

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

16.00 mm solid blades  
Overall length 67 mm  
Titanium



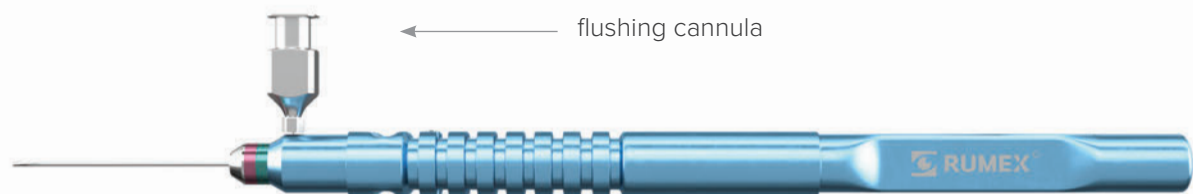
## ONE-PIECE VITREORETINAL INSTRUMENTS WITH RUMEX FLUSHING SYSTEM



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

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

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



# REUSABLE ANTERIOR INSTRUMENTS

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BLADE HOLDERS	36
CALIPERS & GAUGES	37
MARKERS	39
A VARIETY OF CAPSULORHEXIS FORCEPS	45
FORCEPS	47
HOOK	68
DIAMOND KNIVES	71
SAPPHIRE KNIVES	74
PHACO INSTRUMENTS	75
NEEDLE HOLDERS	83
PROBES	85
RETRACTORS	86
SCISSORS	88
SPATULAS	94
SPECULUMS	104
CANNULAS	109
MISCELLANEOUS	115
STERILIZATION TRAYS	120
LASEK/LASIK INSTRUMENTS	123

1 - BLADE HOLDERS

BLADE HOLDERS

Blade Holder

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

1-010T **POPULAR**



Bard Parker Handle

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

1-020S **MOST POPULAR**



# CALIPERS & GAUGES

## CALIPERS & KERATOMETERS



### Castroviejo Caliper

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

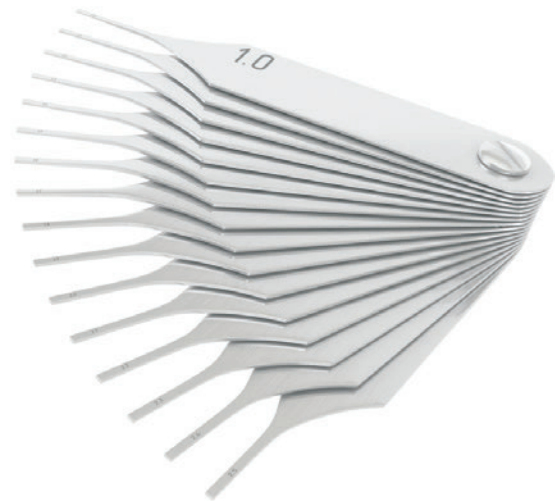
2-010T	0-20.00 mm
2-010S	0-20.00 mm



### Adler Wound Gauge

Used to measure incision width and depth (peripheral to central dimension) of a corneal/limbal wound.  
Dull finish  
Diameter 30 mm  
Titanium

2-064T	2.00-2.50 mm
--------	--------------



### RUMEX Internal Micro Incision Gauges

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

2-062S	1.00-2.50 mm
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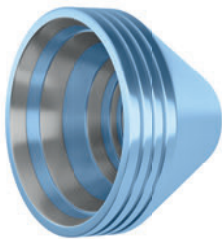


### Braunstein Fixed Caliper

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  
MOST  
POPULAR**



### Maloney Intraoperative Keratometer

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

16-020T
---------

GAUGES

Accurate axial alignment on the cornea

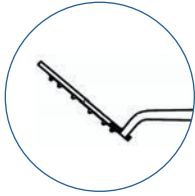
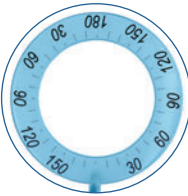
Used to determine incision angles.

LRI Gauge

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

Calibrated every 10 degrees from 0° to 180°.  
With atraumatic fixation teeth  
Dull finish  
ID 13.00 mm/ED 19.00 mm  
Overall length 134 mm  
Titanium

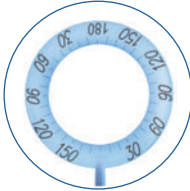
2-031T



Mendez Degree Gauge

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

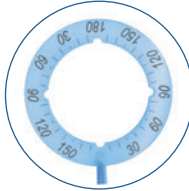
Calibrated every 10 degrees from 0° to 180°.  
Dull finish  
Titanium



2-030S  
SS

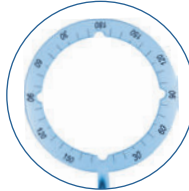
ID 13.00 mm/ ED 19.00 mm  
Overall length 134 mm

2-030T **POPULAR**



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

2-033T



2-033S  
SS

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

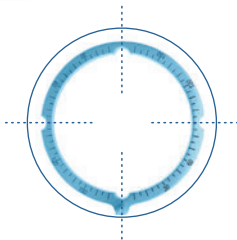
2-0331T **POPULAR**

Mendez Grooved Fine Degree Gauge

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

With 4 grooves for better marks visualization  
ID 12.00 mm /ED 14.00 mm  
Dull finish  
Overall length 133 mm  
Titanium

2-034T **POPULAR**

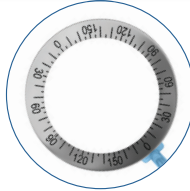


Degree Gauge with Beveled Face

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

ID 12.00 mm/ED 16.00 mm  
Overall length 132 mm  
Titanium

2-036T



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

# MARKERS

## AXIS MARKERS

### Bores

#### Axis Marker

Intra-Op

Overall length 123 mm

Titanium

3-090S  
SS



#### 3-090T **POPULAR**

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

#### 3-091T

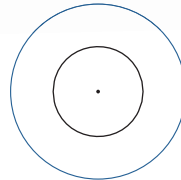
Used with Gauges  
2-034T, 2-036T  
to mark the axis.  
11.50 mm blades

ECCE PHACO  
p.152 p.151

### Whipple Capsulorhexis Centration Marker

Creates circular mark on the cornea  
to help gauge the size of the capsulotomy  
and its position.  
Double-ended with 5.50/6.00 mm diameters  
Overall length 140 mm

3-040 **POPULAR**

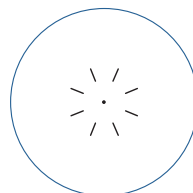


## CORNEAL TRANSPLANT MARKERS

### Corneal Transplant Marker

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

3-140T



CORNEAL  
p.156

3 - MARKERS

Osher-Neumann  
Corneal Marker

Low profile  
8 radial blades  
Overall length 130 mm  
Titanium

3-0304T



NEW

John  
DSAEK Double-Ended Marker

8.00/9.00 mm  
Overall length 143 mm  
Titanium

3-204T



OPTICAL ZONE MARKERS

Hoffer  
Optical Zone Marker

With cross hairs  
Overall length 130 mm  
Titanium



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

Abdullayev  
Scleral Marker for Keratoplasty

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

3-0230

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



NEW

DSEK, DSAEK, DMEK  
p.157

Abdullayev  
Corneal Marker for Keratoplasty

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

3-0231

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



NEW

DSEK, DSAEK, DMEK  
p.157

Abdullayev  
I & II Marker  
(for DSAEK/DMEK Grafts)

Overall length 135 mm  
Titanium

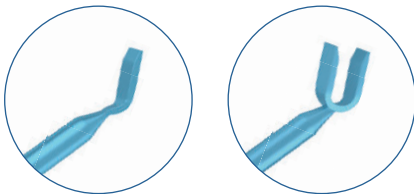
3-024T

I & II marks do not interfere with vision.  
More stable staining  
Applies 1.50 mm mm straight I & II marks at the very edge of the graft.  
No additional tissue manipulation  
Saves time during graft preparation.



NEW

DSEK, DSAEK, DMEK  
p.157



## Optical Zone Marker

Used to mark visual center for ICRS implantation procedure.

Double-ended

Visual center marker 0.15 mm wide

Sinskey hook 0.50 mm wide

Overall length 141 mm

Titanium handle

3-034

ICRS  
p.158



## Tunnel Zone Marker

Marks tunnel for future ring position with initial lines for incisions.

ID 4.00 mm/ED 6.00 mm

Creates 2.00 mm lines.

40° angled to handle

Overall length 127 mm

Titanium

3-143T

ICRS  
p.158



## LASIK MARKERS

### Lavery LASIK Marker

With an optical center sight

8.50 mm optical zone

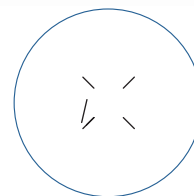
5 asymmetrical marking lines to ensure right placement of a corneal flap

Overall length 130 mm

Titanium

3-174T

LASIK  
p.154



### LASIK Flap Marker

3 asymmetrical marking lines to ensure right placement of a corneal flap

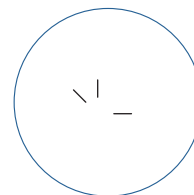
Designed both for nasal and superior hinge.

Overall length 130 mm

Titanium

3-176T **POPULAR**

FEMTO LASIK  
p.154



## TORIC IOL MARKERS

### Toric IOL Marker

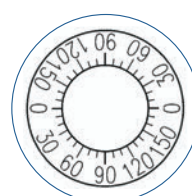
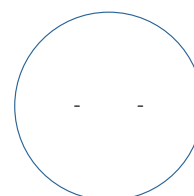
Designed for LRI/Toric IOL implantation.

Intra-Op

Overall length 130 mm

Titanium

3-181

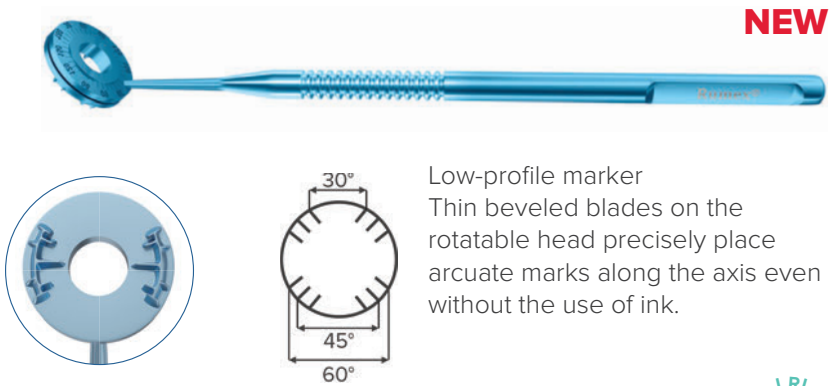


3 - MARKERS

LRI Marker

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

3-183T

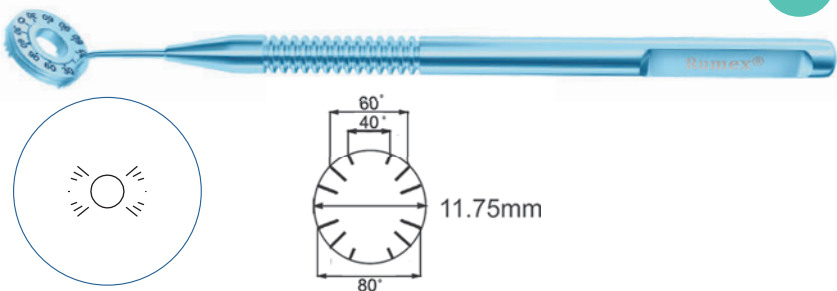


LRI  
p.155

LRI Marker

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

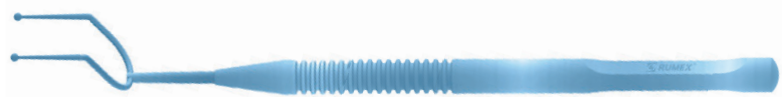
3-1801



LRI Axis Marker

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

3-190T



LRI/TORIC MARKERS WITH GRAVITY WEIGHT SYSTEM

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

LRI Slit Lamp Gravity Marker

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

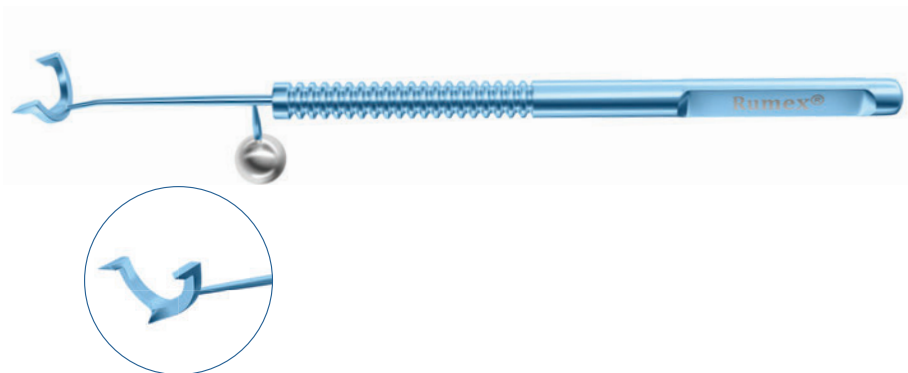
3-191



Lum LRI Gravity Axis Marker

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

3-192

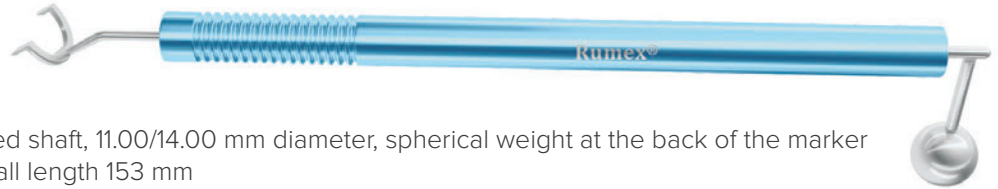


Product design and/or features that do not influence its functionality and main parameters are subject to change

## Whitehouse Gravity Axis Marker

Marks the limbus at 3, 6 and 9 o'clock.  
Helps to avoid the effect of cyclotortion.  
Gravity weight system assures excellent visualization and balance.

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



Angled shaft, 11.00/14.00 mm diameter, spherical weight at the back of the marker  
Overall length 153 mm

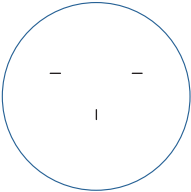
3-193 **POPULAR**

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

3-1931

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

3-1932



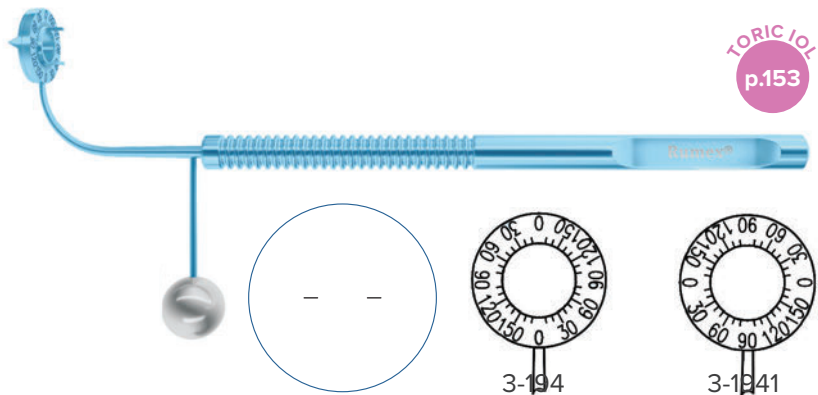
## RUMEX Toric Combo Marker

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

Overall length 125 mm

3-194 Vertical axis

3-1941 Horizontal axis



TORIC IOL  
p.153

3-194

3-1941

## MARKING PENS

**DON'T FORGET  
TO BUY**

**STERILE**

**2**

**10  
PER  
BOX**



## Disposable Marking Pen

Double-ended

20-050

MARKERS FOR LRI/IOL IMPLANTATION WITH GRAVITY WEIGHT SYSTEM



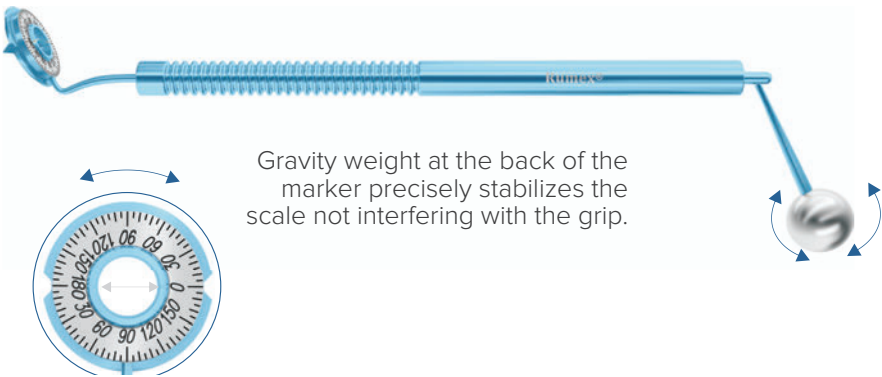
Designed in cooperation with Jaime Velazquez O'Byrne, M.D., Colombia

Velazquez Gravity Corneal Marker for LRI/Toric IOL Implantation

Overall length 164 mm

3-195

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



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



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

Richman Single-Step Toric Marker

Designed to mark the desired axis of toric placement.  
Angled shaft  
Overall length 132 mm

3-196 **MOST POPULAR**

The mark is performed preoperatively, which eliminates an intra-op step.  
New design makes markings and degree scale more visible, allowing better accuracy.  
The outer barrel has indentations which make it easy to rotate.  
Ergonomic handle, angled to avoid the lower eyelid when marking while still being able to rest your hand on the patient's cheek for stability.  
A wide central opening for better centration when marking.

# A VARIETY OF CAPSULORHEXIS FORCEPS

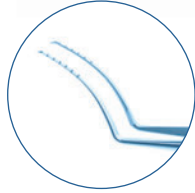
## STANDARD

**3.0 mm**

### 4-03315T Utrata Capsulorhexis Forceps with Scale

Cystotome tips, TC\*

Scale for measuring the size of capsulorhexis



Curved shafts prevent corneal deformation.

### 4-0331D Disposable Utrata Capsulorhexis Forceps

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

Cystotome tips

**MOST POPULAR**


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

## SMALL-INCISION



Internal limiter prevents the jaws from opening wider than intended.

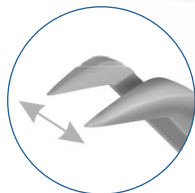
**2.0 mm**

### 4-0312S Microcoaxial Capsulorhexis Forceps with Alignment Mechanism

Cystotome tips, TC\*

**MOST POPULAR**

Limited to 2.00 mm



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

Cystotome tips, TC\*

**POPULAR**

Scale for measuring the size of capsulorhexis

Limited to 2.00 mm



View-port for better visualization

2 engravings at 2.50 and 5.00 mm for measuring the rhexis

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

4 - FORCEPS

SMALL-INCISION

1.5 mm

4-0395 Capsulorhexis Forceps with Cross-Action and Scale

MOST POPULAR

Cystotome tips, TC\*



Scale for measuring the size of capsulorhexis



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

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

Cystotome tips, TC\*



Scale for measuring the size of capsulorhexis



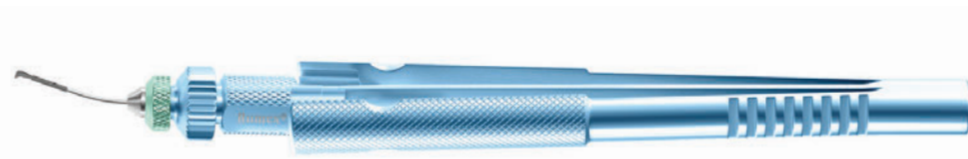
- ✓ Double cross-action guarantees fixed opening for free movements within the wound

MICS

sub 1.0 mm

4-03742 Lesieur Capsulorhexis Forceps with Internal Ruler

12-003T Universal Squeeze Handle



Scale for measuring the size of capsulorhexis



Anti-glare coating

Cystotome tips

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

# FORCEPS

## CAPSULORHEXIS FORCEPS

Tungsten carbide coated cystotome tips for better gripping

### Utrata Capsulorhexis Forceps

11.50 mm jaws  
Flat handle



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



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

4-0300S  
SS



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

4-0301S  
SS

4-0321S  
SS

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



### Nevyas Capsulorhexis Forceps

Straight jaws, 11.50 mm  
Cystotome triangular claw-shaped tips  
Overall length 105 mm  
Titanium  
4-0352T

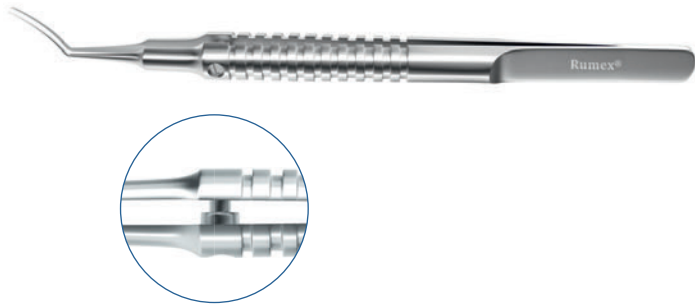


4 - FORCEPS

Microcoaxial Capsulorhexis  
Forceps with Limiter

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

4-0312S **MOST  
POPULAR**

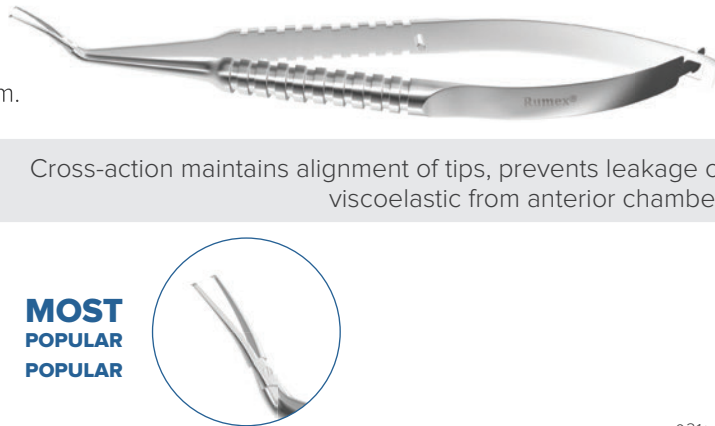


Inamura  
Type RUMEX Capsulorhexis Forceps

Designed to fit through incisions down to 2.00 mm.  
Recommended for coaxial phacoemulsification.  
Curved jaws  
Cystotome tips  
Round handle  
Overall length 115/117 mm  
Stainless Steel

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

**MOST  
POPULAR  
POPULAR**



Cross-action maintains alignment of tips, prevents leakage of  
viscoelastic from anterior chamber.

Utrata  
Capsulorhexis Forceps

11.50 mm jaws  
Round handle  
Titanium  
Overall length 110 mm

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

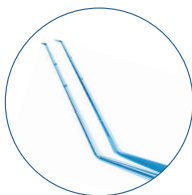


A-0311S  
SS

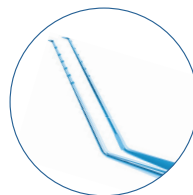
Straight jaw  
Cystotome tips  
4-0311T



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



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



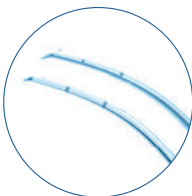
A-03115S  
SS

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



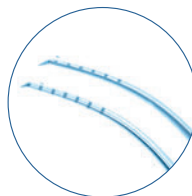
A-0331S  
SS  
A-0331D  
2

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



A-03314S  
SS

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



A-03315S  
SS

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

ECCE PHACO  
p.152 p.151

### Small-Incision Capsulorhexis Forceps

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

4-032S **POPULAR**



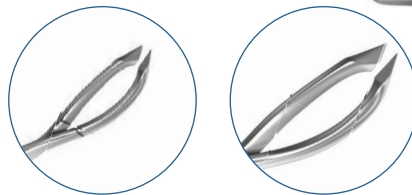
PHACO  
p.151

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

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

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

4-033S



**NEW**

### Cross-Action Capsulorhexis Forceps with Scale

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

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

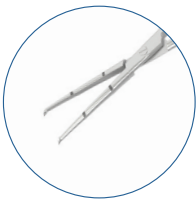
Hinge joints allow for enhanced durability and even distribution of pressure at three points of the tool



PRECHOP  
p.151

MICS  
p.151

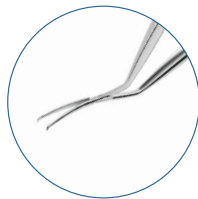
Curved Stainless Steel Jaws



Flat Handle,  
Titanium

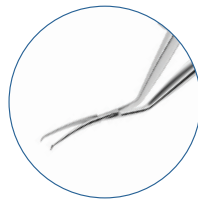
4-0395

**MOST  
POPULAR**



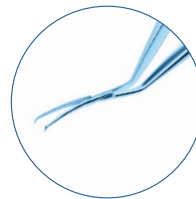
Round Handle,  
Titanium

4-0394



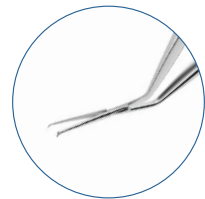
Flat Handle,  
Stainless Steel

4-0395S



Curved Jaws,  
Titanium  
Flat Titanium Handle

4-0395T



Straight Jaws,  
Stainless Steel  
Flat Titanium Handle

4-0396

## FORCEPS FOR LASER-ASSISTED SURGERY

### 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



FEMTOCATARACT  
p.153

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

4 - FORCEPS

MICS CAPSULORHEXIS FORCEPS

Micro jaws, 0.80 mm incision

Exquisite gripping function

Anti-glare matte finishing

Stiff and flexible Stainless Steel tube

Kershner  
One-Pinch Capsulorhexis Forceps

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



4-03731\* 23 Ga  
For high vacuum phaco



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

Capsulorhexis Forceps  
with Micro Jaws and Internal Ruler

The internal laser marks allow to measure the size of rhexis.  
Curved shaft  
Cystotome tips  
With fixation wheel  
Compatible with Squeeze Handle 12-003T

- 4-0374\* 23 Ga  
2 engravings at 3,6 mm
- 4-0375\* 23 Ga  
6 engravings at 1,2,3,4,5,6 mm



4-0374

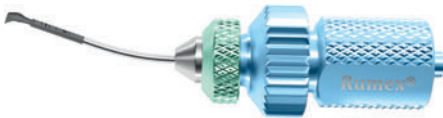


4-0375

Lesieur

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

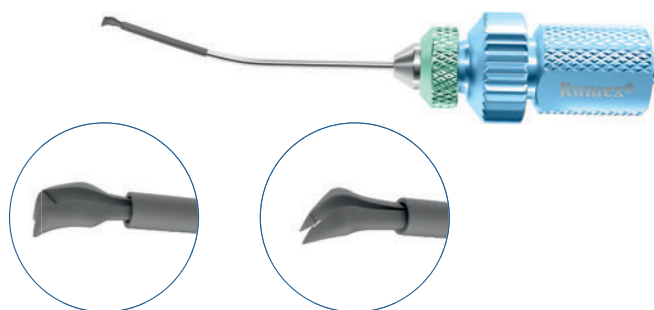
- 4-03742\* 23 Ga



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

## Ikeda Capsulorhexis Forceps

Curved shaft  
Reduced length of the branches for better maneuverability in the anterior chamber during capsulorhexis  
Cystotome tips  
With fixation wheel  
Compatible with Squeeze Handle 12-003T



Fine-Ikeda  
Capsulorhexis  
Forceps with Micro  
Jaws, 23 Ga

4-03751\* 23 Ga

Ikeda Micro  
Capsulorhexis Forceps, 23  
Ga

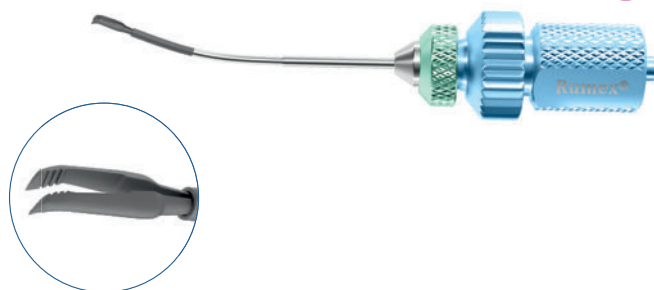
4-03761\* 23 Ga

MICS  
p.151

## Kawai Capsulorhexis Forceps

Curved tapered elongated 23/25 Ga shaft  
The construction of the forceps shows least adverse effect on the wound.  
Gripping tips are projected out of 25 Ga shaft.  
Cystotome tips  
With fixation wheel  
Compatible with Squeeze Handle 12-003T

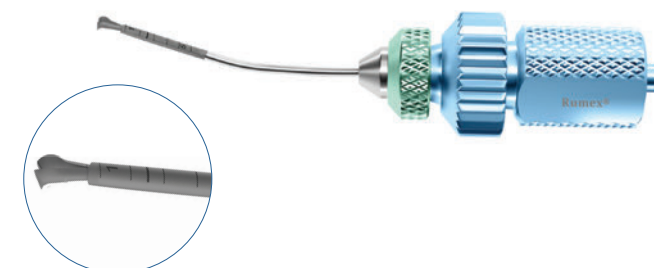
4-03771\* 23/25 Ga



## Capsulorhexis Forceps with View Port

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

4-03791\* 23 Ga



\*Tip only. Handles are sold separately.

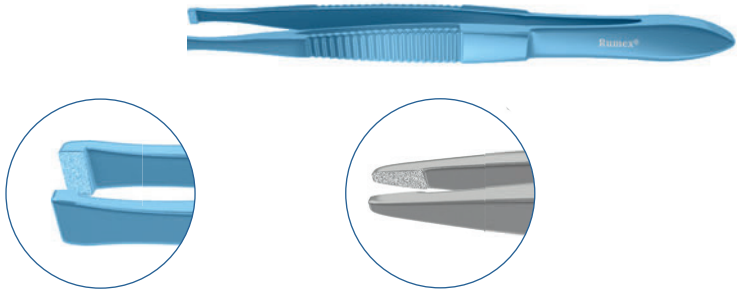
Product design and/or features that do not influence its functionality and main parameters are subject to change

4 - FORCEPS

CILIA FORCEPS

Cilia

Smooth jaws  
Flat handle



Wide forceps  
Overall length 85 mm  
Titanium

4-043T **POPULAR**

Narrow forceps  
Overall length 86 mm

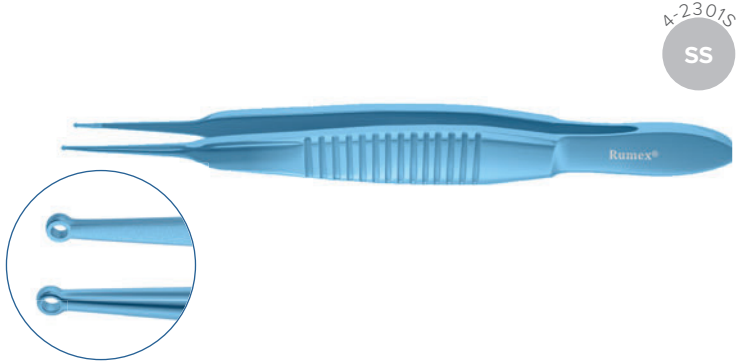
4-042T Titanium **POPULAR**  
4-042S Stainless Steel

CONJUNCTIVA FORCEPS

Fechtner  
Conjunctiva Forceps

Delicate ring tip jaws  
Flat handle  
Overall length 108 mm  
Titanium

4-2301T **MOST POPULAR**



LID AND CHALASION FORCEPS

Desmarres  
Chalazion Forceps

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

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

**POPULAR POPULAR POPULAR**



**CHALAZION**  
p.161

4-1907S  
SS

4-1912S  
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, 8.00 mm ID of the upper plate  
4-1909T Medium, 12.00 mm ID of the upper plate (shown)

**MOST POPULAR**



**CHALAZION**  
p.161

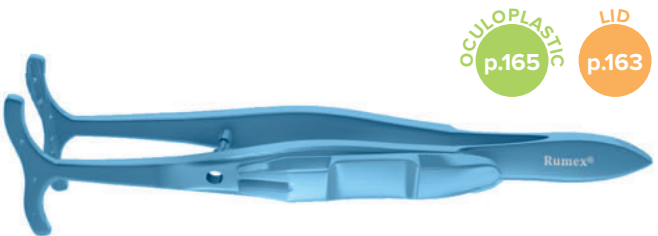
4-1908S  
SS

4-1909S  
SS

Putterman  
Lid Clamp

6 Pins  
Serrated jaws  
Sliding lock  
Overall length 100 mm  
Titanium

4-140T **POPULAR**



**OCULOPLASTIC**  
p.165

**LID**  
p.163

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

## COMPRESSING LID FORCEPS

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

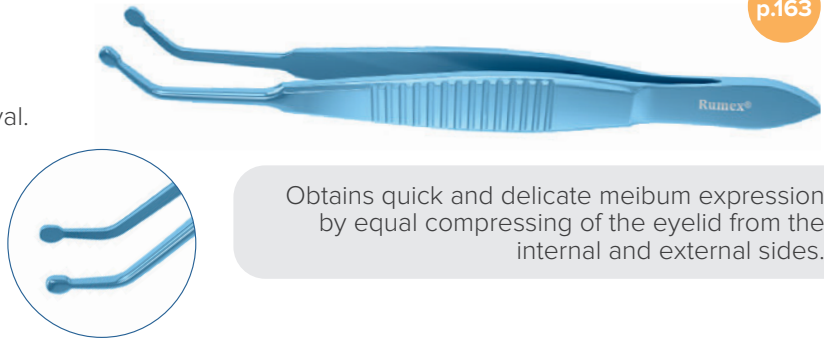
LID  
p.163

### Compressing Lid Forceps

Designed for mechanical meibum removal.

Curved  
Flat handle  
Overall length 112 mm  
Titanium

4-1913T **MOST  
POPULAR**



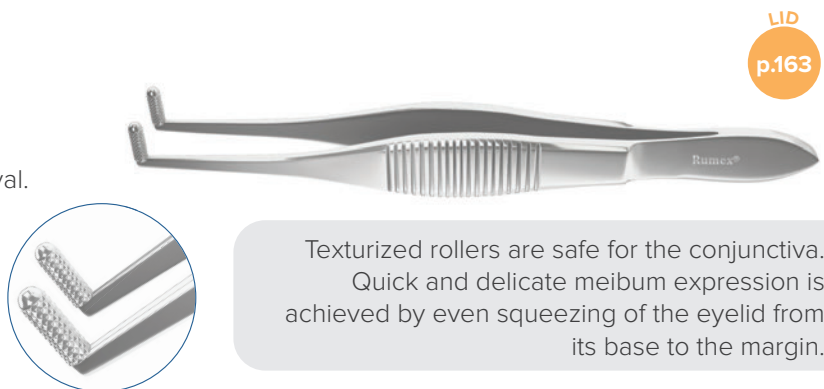
Obtains quick and delicate meibum expression by equal compressing of the eyelid from the internal and external sides.

### Compressing Lid Forceps with Atraumatic Rollers

Designed for mechanical meibum removal.

Flat handle  
Overall length 107 mm  
Stainless Steel

4-124S **POPULAR**



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

## LASIK FLAP FORCEPS

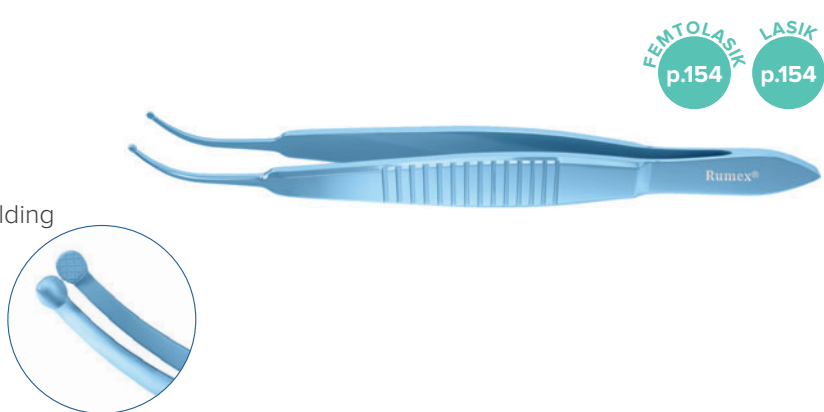
### LASIK Flap Forceps

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



FEMTO LASIK  
p.154 LASIK  
p.154

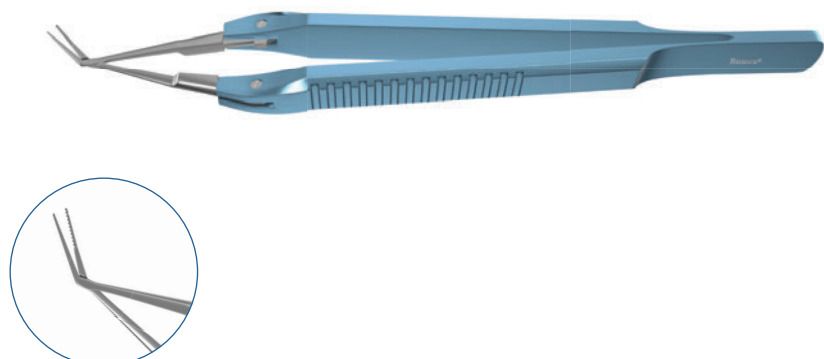
## SMILE FORCEPS

### Cross-Action SMILE Forceps

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

Flat handle  
Overall length 120 mm

4-0398



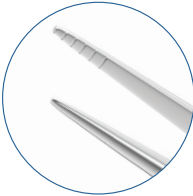
4 - FORCEPS

SMILE FORCEPS

Stodulka Forceps for Small-Incision Lenticule Extraction

Designed to grasp the lenticule and remove it from the corneal pocket.  
Composite surface of the tips (texturized and serrated) ensures the efficient grasping of the lenticule.  
Angled  
Flat handle  
Overall length 100 mm  
Stainless Steel

4-2012S **POPULAR**

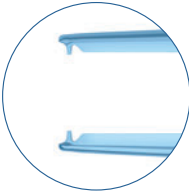


ICRS FORCEPS

Forceps for ICRS Implantation

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

4-2144T



ICRS  
p.158

CORNEAL FORCEPS


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

Colibri Corneal Forceps

5.00 mm tying platform  
Flat handle



4-050S  
SS



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

4-0504S  
SS



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

4-0501S  
SS



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



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



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



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

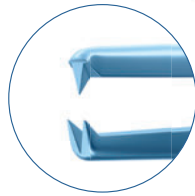
Product design and/or features that do not influence its functionality and main parameters are subject to change

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

### Colibri Corneal Forceps

Bonn type 1x2 teeth, 0.12 mm  
Tying platform, 5.00 mm  
Flat handle  
Overall length 115 mm  
Titanium

4-053T



### Castroviejo Colibri Corneal Forceps

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

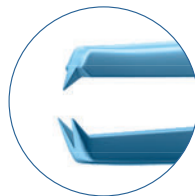
4-0541T



### Colibri Corneal Forceps

1x2 teeth, 0.12 mm  
Tying platform, 5.00 mm  
Round handle  
Overall length 109 mm  
Titanium

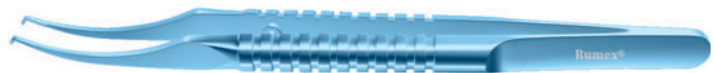
4-054T Regular tips  
4-0540T Bonn type tips



4-054T



4-0540T



### Corneal Forceps

5.00 mm tying platform  
Titanium



### Catalano

Round handle  
Overall length 105 mm

1x2 teeth 0.12 mm

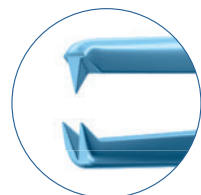
4-055T **POPULAR**



### Bonn-Catalano

1x2 teeth 0.12 mm  
Round handle  
Overall length 105 mm

4-0551T **POPULAR**



### Bonn

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

4-058T **MOST POPULAR**



### Bonn

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

4-059T

## 4 - FORCEPS

**CORNEAL TRANSPLANTATION FORCEPS**DSEK, DSAEK, DMEK  
p.157**Florakis  
Endothelial Forceps**

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

4-246S

DSEK, DSAEK, DMEK  
p.157**Corneal Donor Insertion Forceps**

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

4-2019T

DSEK, DSAEK, DMEK  
p.157**Florakis  
Microinvasive Endothelial Forceps**

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

4-247\* 23 Ga

DSEK, DSAEK, DMEK  
p.157**Forceps for Corneal Endothelium  
Implantation**

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

**Can be used for SMILE lenticule extraction.**

4-034\* 23 Ga

DSEK, DSAEK, DMEK  
p.157**Gueff DMEK Forceps**

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

4-240



\*Tip only. Handles are sold separately.

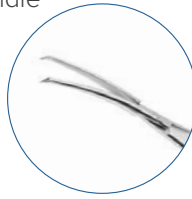
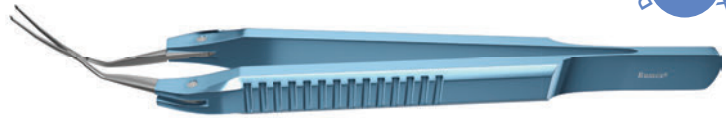
Product design and/or features that do not influence its functionality and main parameters are subject to change



## Cross-Action DMEK Forceps

Overall length 110 mm

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



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

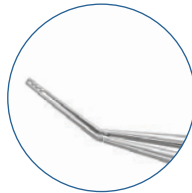
## Lambright-Abdullayev Ultrathin DSAEK Grasping/Inserting Forceps

Flat handle  
Overall length 105 mm  
Stainless Steel

4-254S



**NEW**



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

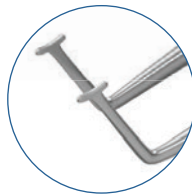
## Abdullayev DMEK Grasping Forceps

Flat handle  
Overall length 82 mm  
Stainless Steel

4-261S



**NEW**



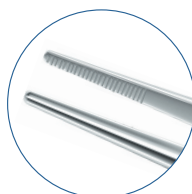
Improved angle between grasping platform, the rest of the forceps allows relaxing hand position and more control when in use. Horizontal thin grasping platforms provide more stability in membrane holding during separation.

## DRESSING FORCEPS

### Dressing Forceps with Delicate Serrations

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

4-070S **POPULAR**

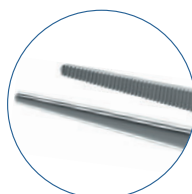


### Dressing Forceps with Delicate Serrations

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

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

**MOST  
POPULAR**



4-071S



4-072T

4 - FORCEPS

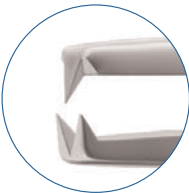
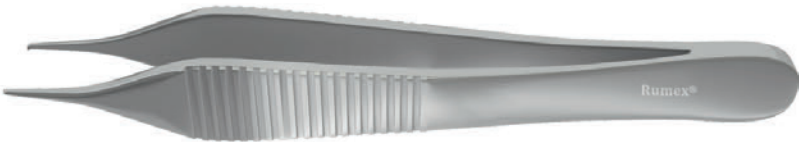
FIXATION FORCEPS

Adson  
Fixation Forceps with Teeth

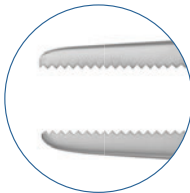
Ideal for plastic & reconstructive surgery  
Flat handle  
Overall length 124 mm  
Stainless Steel or Titanium

- 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

CORNEAL DLEK  
p.156 p.158

Polack  
Corneal Transplant Fixation Forceps

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

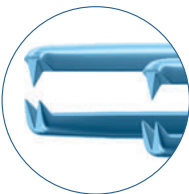
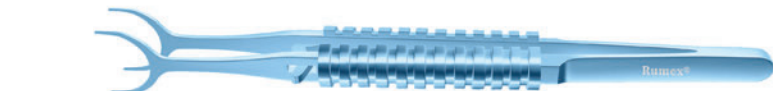
- 4-0814T POPULAR



Nevyas-Wallace  
Fixation Forceps

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

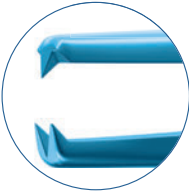
- 4-08011T



Castroviejo  
Fixation Forceps

Straight shafts  
1x2 teeth, 0.50 mm  
Flat handle  
Overall length 109 mm  
Titanium

- 4-0822T POPULAR



Lester  
Fixation Forceps

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

- 4-0832S



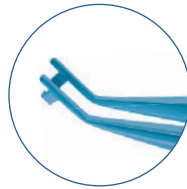
Product design and/or features that do not influence its functionality and main parameters are subject to change

## LENS INSERTERS

### Steinert

#### Paddle Lens Folding Forceps

Angled shafts  
Flat handle  
Overall length 110 mm  
Titanium  
4-2107T

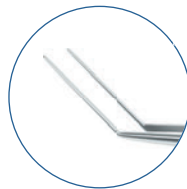


PHACO p.151 ECCE p.152 A-2107S SS

### Faulkner

#### Lens Holding Forceps

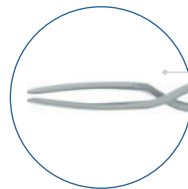
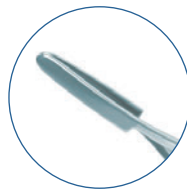
Angled shafts  
Smooth jaws  
Flat handle  
Overall length 105 mm  
Stainless Steel  
4-2108S **MOST POPULAR**



### McDonald

#### Inserting Forceps for Silicone Lens

Concave jaws, 5.00 mm  
Cross-action  
Flat handle  
Overall length 107 mm  
Stainless Steel  
4-2113S



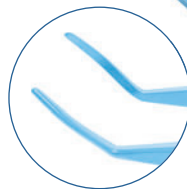
topside view



ECCE p.152

### Acrylic Lens Insertion Forceps

Flat handle  
Overall length 105 mm  
Titanium  
4-2132T **MOST POPULAR**

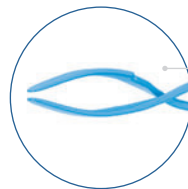
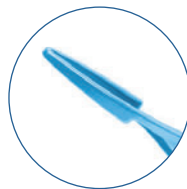


A-2132S SS

### Akahoshi

#### Forceps for Acrylic Lens

Thin and smooth jaws, 7.00 mm  
Jaws open up to 5.50 mm  
Cross-action  
Flat handle  
Overall length 108 mm  
Titanium  
4-2138T



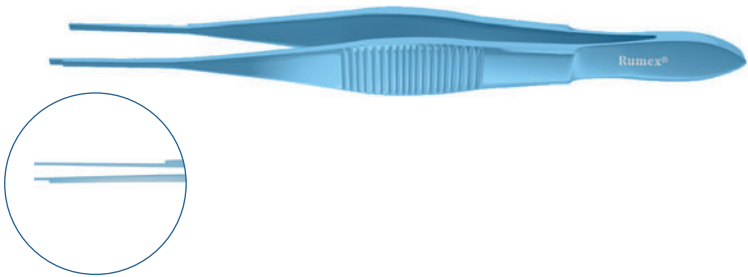
topside view



4 - FORCEPS

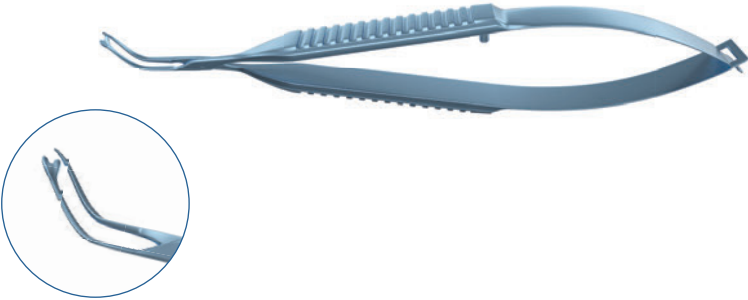
Cartridge Loading Forceps

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



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

IOL Grasping Forceps

Designed to reach and hold the IOL optic and haptic.  
Curved shaft  
Sand-blasted surfaces for efficient gripping  
Fenestrated jaws for better visualization and haptic manipulation  
With fixation wheel  
Compatible with Squeeze Handle 12-003T  
4-2145\*      21 Ga



Rowen Rescue Kit for Foldable Lens Removal

Rowen Rescue Kit Forceps

Crocodile type intraocular forceps for foldable lens removal  
To remove silicone or acrylic IOL in case of complications  
Curved shaft  
Compatible with Squeeze Handle 12-003T  
4-2150\*      19 Ga      **MOST POPULAR**



Rowen Rescue Kit Scissors

Intraocular scissors for foldable lens removal  
To remove silicone or acrylic IOL in case of complications  
Curved shaft  
Compatible with Squeeze Handle 12-003T  
4-2151\*      18 Ga      **POPULAR**

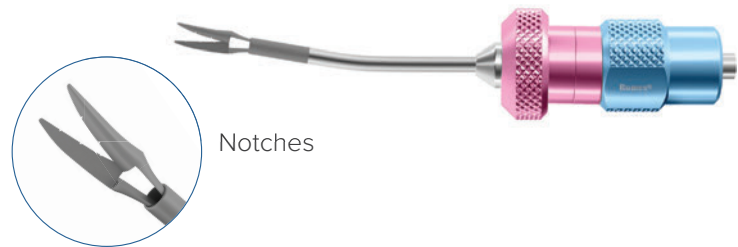


\*Tip only. Handles are sold separately.  
Product design and/or features that do not influence its functionality and main parameters are subject to change

### Micro Foldable Lens Cutter

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

4-2173\* 19 Ga



### RUMEX Foldable Lens Cutter

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

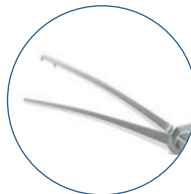
4-21731 **MOST POPULAR**



### RUMEX Foldable Lens Removing Forceps

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

4-21741 **POPULAR**



### Osher IOL Scissors

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

4-2175S **POPULAR**



\*Tip only. Handles are sold separately.

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

4 - FORCEPS

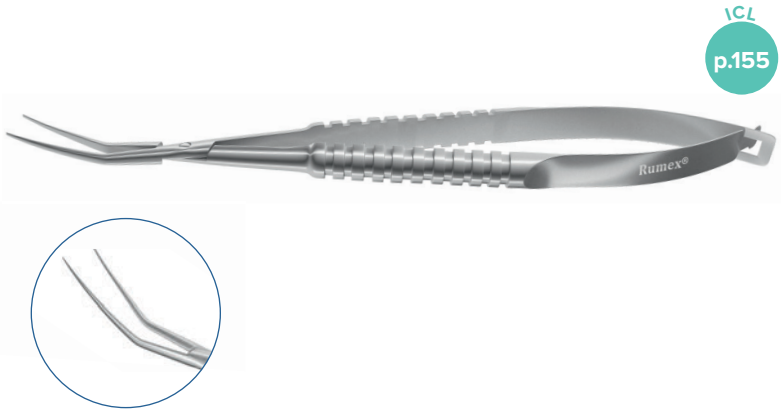
ICL FORCEPS

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

- 4-20111T Titanium
- 4-20111S Stainless Steel

ICL™ - registered trademark of STAAR®



ICL™  
Coaxial Angled ICL™ Loading  
Forceps

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

- 4-21431\* 20 Ga

ICL™ - registered trademark of STAAR®

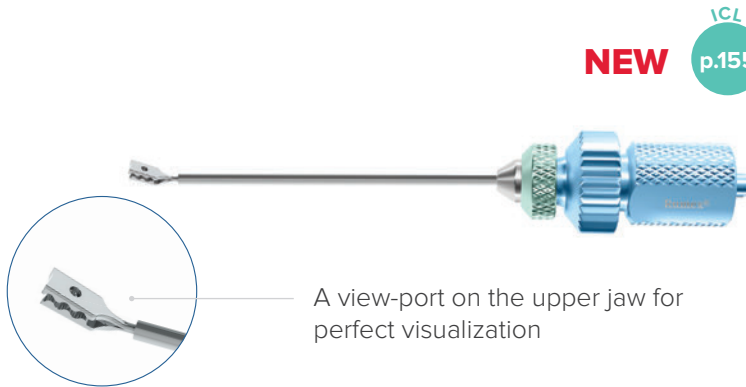


Zaldivar-Kraff ICL™ Pacman Forceps

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

- 4-21432\* 20 Ga

ICL™ - registered trademark of STAAR®

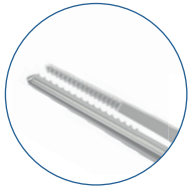


\*Tip only. Handles are sold separately.  
Product design and/or features that do not influence its functionality and main parameters are subject to change

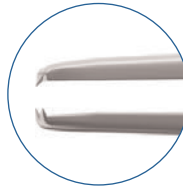
## IRIS FORCEPS

### Iris Forceps

Flat handle  
Overall length 72 mm  
Stainless Steel



Straight shafts  
Fine serrated tips  
Delicate serrations  
4-100S



1x2 Delicate teeth, 0.06 mm

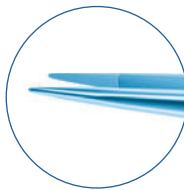
4-101S Straight shaft (shown) **POPULAR**  
4-102S Curved shaft

## JEWELER FORCEPS

### Jeweler #5 Forceps

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

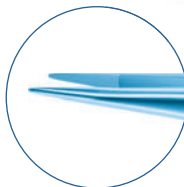
4-111T **MOST POPULAR**



### Jeweler #3C Forceps

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

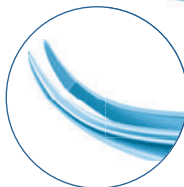
4-113T **MOST POPULAR**



### Jeweler #7 Forceps

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

4-115T



4 - FORCEPS

HEMOSTATIC FORCEPS AND SERREFINES

Hartman  
Hemostatic Mosquito Forceps

Serrated jaws  
Ring handle  
Overall length 90 mm  
Stainless Steel

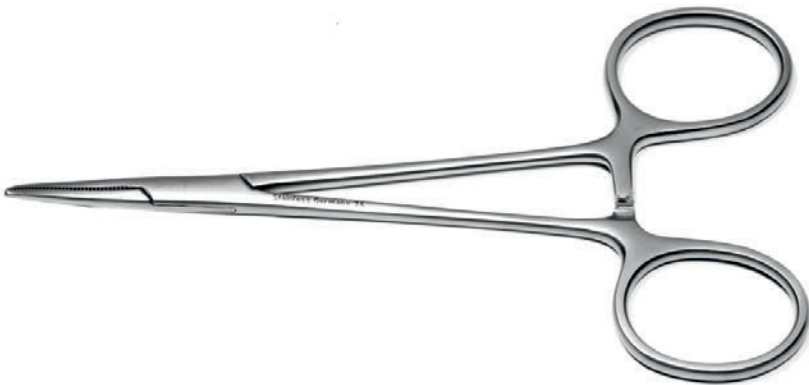
- 4-120S    Straight (shown)
- 4-121S    Curved
- MOST  
POPULAR**



Halsted  
Hemostatic Mosquito Forceps

Serrated jaws  
Ring handle  
Overall length 125 mm  
Stainless Steel

- 4-122S    Straight (shown)
- 4-123S    Curved
- MOST  
POPULAR**



Serrefine

Straight  
Stainless Steel

- 16-090S    Large size
- Overall length 55
- 16-092S    Small size
- Overall length 35
- MOST  
POPULAR**



MUSCLE FORCEPS

Jameson  
Muscle Forceps

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

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



MUSCLE  
p.164

MUSCLE  
p.164A-0600D  
2**Superior Rectus Forceps**

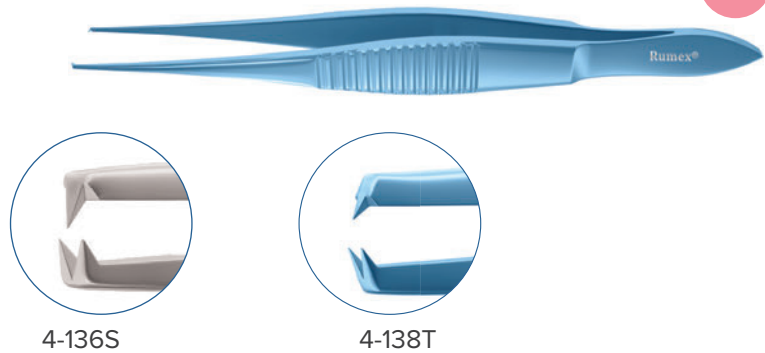
1x2 teeth, 0.50 mm  
Flat handle

**Osher**

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

**4-136S****Elsching**

Straight shafts  
Overall length 108 mm  
Titanium

**4-138T****4-136S****4-138T****SUTURING FORCEPS**

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

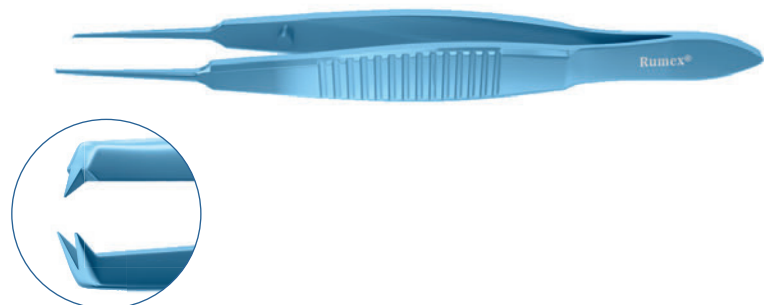
**Castroviejo Suturing Forceps**

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

4-0600S 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

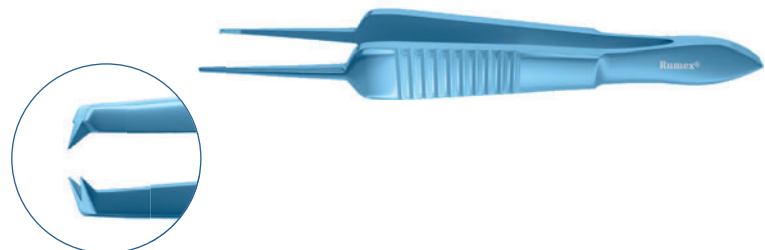
**MOST  
POPULAR****POPULAR**

Titanium or Stainless Steel

**Paufigue Suturing Forceps**

1x2 teeth, 0.50 mm  
Tying platform, 6.00 mm  
Flat handle  
Overall length 87 mm

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

**Bishop-Harmon Suturing Forceps**

1x2 teeth, 0.30 mm  
Tying platform, 5.00 mm  
Flat handle  
Overall length 87 mm  
Stainless Steel

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

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

**4-2303T POPULAR**

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

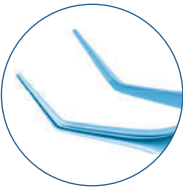
4 - FORCEPS

TYING FORCEPS

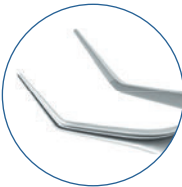
Tying platform hard-faced with tungsten carbide coating for even greater grip and increased control over both tissue and suturing equipment

Kelman-McPherson  
Tying Forceps

for 8-0 to 11-0 sutures  
Flat handle



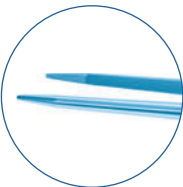
Tying platforms, 4.00 mm  
Overall length 81 mm  
Titanium  
**4-090T POPULAR**  
Tying platforms, 10.00 mm  
Overall length 86 mm  
Titanium  
**4-092T**



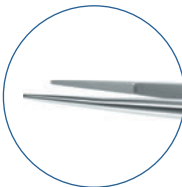
Tying platforms, 8.00 mm  
Overall length 84 mm  
Stainless Steel  
**4-091S MOST POPULAR**  
Tying platforms, 10.00 mm  
Overall length 86 mm  
Stainless Steel  
**4-092S**

McPherson  
Tying Forceps

for 8-0 to 11-0 sutures  
Flat handle



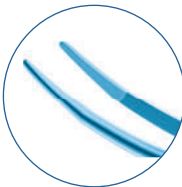
Straight  
Tying platforms, 4.00 mm  
Overall length 84 mm  
**4-171T Titanium (shown) MOST POPULAR**  
**4-171S Stainless Steel POPULAR**



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



Angled, Titanium  
Tying platform, 6.00 mm  
Overall length 102 mm  
**4-173T POPULAR**  
Tying platform, 8.00 mm  
Overall length 103 mm  
**4-174T POPULAR**  
Tying platform, 10.00 mm  
Overall length 104 mm  
**4-175T**  
Tying platform, 12.00 mm  
Overall length 106 mm  
**4-176T**



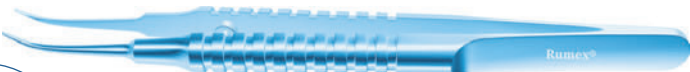
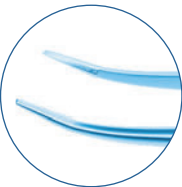
Curved  
Tying platforms, 4.00 mm  
Overall length 109 mm  
Titanium  
**4-177T**



Catalano  
Tying Forceps

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

**4-182T**



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

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

### Tennant Tying Forceps

For 9.00 to 11.00 sutures

Extra delicate smooth jaws

Tying platform, 6.00 mm

Round handle

Overall length 108/107/107 mm

Titanium or Stainless Steel

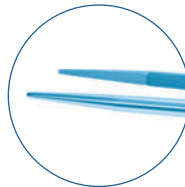
4-185T Straight (shown)

4-185S Straight

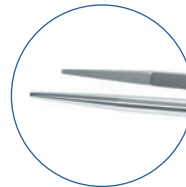
4-1851T Angled

4-186S Curved

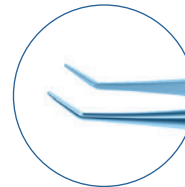
**POPULAR**  
**POPULAR**  
**MOST**  
**POPULAR**



4-185T



4-185S



4-1851T



4-186S



### Intraocular Tying Forceps

Designed for intraocular suturing.

With fixation wheel

Compatible with Squeeze Handle

12-003T

4-1891\* 23 Ga



**MICS**

### UTILITY FORCEPS

#### Bonaccolto Utility Forceps

Longitudinal atraumatic serrations, 15.00 mm

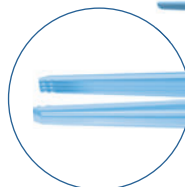
Cross serrations at tips

Flat handle

Overall length 100 mm

Titanium

4-2300T **MOST**  
**POPULAR**



4-2300S  
SS

#### Watzke Sleeve Spreading Forceps

Used to stretch the silicone sleeve placed around the eyeball.

Serrated tips aid in gripping the sleeve and allow for adjustable traction.

Flat cross-action handle

Overall length 110 mm

Titanium

4-2201T



### TOWEL CLAMPS AND FORCEPS

#### Schaedel Towel Clamp

Flat handle

Overall length 90 mm

Stainless Steel

16-080S

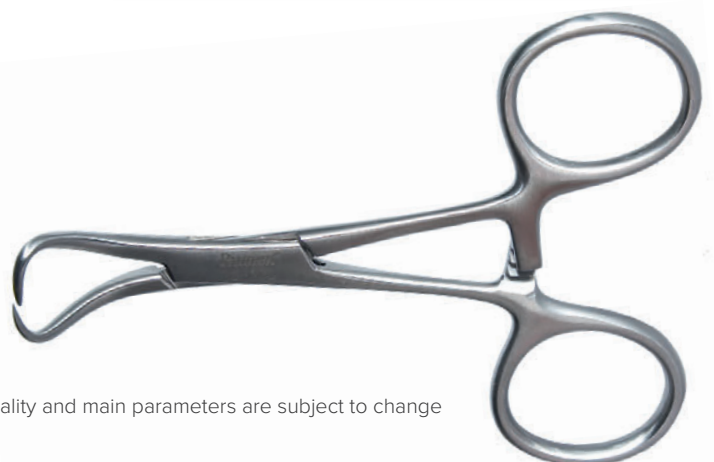
#### Towel Forceps

Ring handle

Overall length 125 mm

Stainless Steel

16-081S **MOST**  
**POPULAR**



\*Tip only. Handles are sold separately.

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

HOOKS

INTRAOCULAR LENS HOOKS

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



**Lewicky  
Lens Manipulating Hook**  
Angled, 10.00 mm from tip to angle  
Vaulted shaft  
0.15 mm diameter blunt tip  
Overall length 120 mm  
5-021



**Kuglen  
Iris Hook and Lens Manipulator**  
0.15 mm diameter shaft  
“H”-shaped tip  
Overall length 122/124 mm  
5-030    Angled    **MOST POPULAR**  
5-0301    Straight



**RUMEX  
Lens Manipulator**  
Angled, 10.00 mm from tip to angle  
0.18 mm diameter shaft  
Button-shaped 0.45 mm tip  
Overall length 122 mm  
5-031    **POPULAR**



**Sinskey  
Lens Manipulating Hook**  
Angled  
0.15 mm diameter tip  
Overall length 121/122 mm  
5-032    Angled    **MOST POPULAR**  
5-0321    Straight



**Reversed Sinskey  
Scoring Hook for Endothelial  
Keratoplasty**  
Angled, 10.00 mm from tip to angle  
0.15 mm diameter tip  
Overall length 117 mm  
5-0322    **POPULAR**



**Lester  
Lens Manipulator**  
Hourglass-shaped 0.20 mm tip  
Overall length 124/122 mm  
5-033    Straight    **MOST POPULAR**  
5-0331    Angled



**Bechert  
Nucleus Rotator**  
Angled, 10.00 mm from tip to angle  
“Y”-shaped tip  
Overall length 121 mm  
5-034    **MOST POPULAR**



**Fenzl  
Lens Manipulating Hook**  
Angled, 10.00 mm from tip to angle  
“T”-shaped tip  
Overall length 121 mm  
5-036

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

# MUSCLE/TENOTOMY HOOKS

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

Ensure safety of extraocular muscles

## Jameson Muscle Hook

Flat hook  
Bulbous tip

2.00 mm tip, 9.50 mm hook  
Overall length 135 mm

5-040 Standard **MOST POPULAR**

1.50 mm tip, 8.00 mm hook  
Overall length 128 mm

5-0401 Small



MUSCLE p.164 5-040S SS

## Graefe Muscle Hook

Flat hook

1.00 mm tip, 8.00 mm hook  
Overall length 135 mm

5-041 Size 1 **MOST POPULAR**

1.50 mm tip, 10.00 mm hook  
Overall length 140 mm

5-042 Size 2 **MOST POPULAR**



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

5 - HOOKS

Scobee  
Oblique Muscle Hook

Curved shaft  
4.50 mm flat hook  
Overall length 136 mm

5-061 **POPULAR**



Stevens  
Tenotomy Hook

6.00 mm flat hook  
Overall length 120 mm

5-062 **POPULAR**



Rychwalski Muscle Hook  
with Groove

1.80 mm tip  
12.20 mm hook  
Overall length 140 mm

5-046



RETINAL DETACHMENT HOOKS

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

Gass  
Retinal Detachment Hook

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

5-060 **MOST  
POPULAR**



IRIS HOOKS

Iris Hook

1.00 mm  
Angled  
Overall length 121 mm

5-020



# DIAMOND KNIVES

Extreme sharpness of the blades

Potentially reduced risk of wound leak

Minimal pressure

Predictable cuts and architecture of the wound for more consistent healing

up to 3000  
INCISIONS

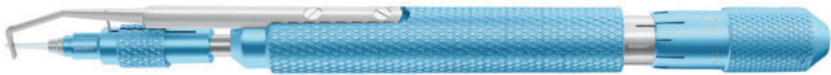


## ASTIGMATIC KERATOTOMY AND ICRS

ICRS  
p.158

### ICRS Knife

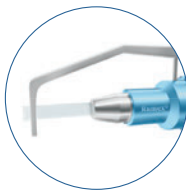
Micrometer Titanium handle  
Overall length 110 mm



### ICRS

1.00 mm

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



6-00/6-020

**MOST  
POPULAR**

### Arcuate

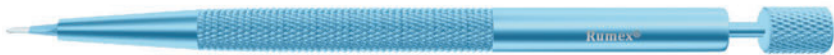
1.00/0.20 mm  
Tapered blade

6-00/6-030



## UNIVERSAL SIDE-PORT KNIVES

Used for paracentesis.  
Straight Titanium handle  
Overall length 110 mm



### POPULAR

45° Single Edge  
1.00 mm  
6-10/6-050

45° Single Edge  
0.60 mm  
6-10/6-0501

30° Single Edge  
1.00 mm  
6-10/6-051

45° Double Edge  
1.00 mm  
6-10/6-052

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



20° Trifacet  
1.00 mm  
6-10/6-0531

60° Lancet  
1.00 mm  
6-10/6-070

60° Lancet  
0.80 mm  
6-10/6-0701

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



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

ANGLED PHACO KNIVES



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



GLAUCOMA  
p.159

Clear Cornea Blades

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

Facet-Free Crescent Knives

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

PHACO  
p.151

Self-Diving Trapezoid Blades

- 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

POPULAR



Profile of the incision directed

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



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.151

Zaldivar Knife for ICL Implantation

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

- 6-20/6-0551 **POPULAR**

ICL  
p.155



LRI KNIVES



Universal Three-Step Knife for Cataract and LRI Surgery

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



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



6-322/6-0531



**MOST  
POPULAR**

Pre-Set LRI Knives

Pre-Set LRI Knives

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

6-500S/6-0531

Preset depth 500 microns

6-600S/6-0531

Preset depth 600 microns



Pre-Set LRI Knives

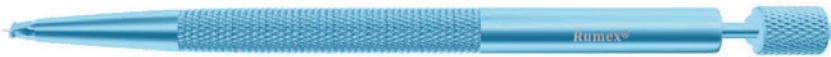
Long Titanium handle  
Overall length 110 mm

6-500/6-0531

Preset depth 500 microns

6-600/6-0531

Preset depth 600 microns



**DON'T FORGET  
TO BUY**

Diamond Knife Cleaning Pack

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

21-602-1



**MOST  
POPULAR**

# SAPPHIRE KNIVES

- Low pressure
- Accurate cuts
- Consistent healing



## UNIVERSAL SIDE-PORT KNIVES

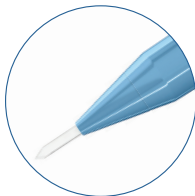
Overall length 136 mm



45° Double Edge Blade  
1.00 mm  
6-10/6SK-0501



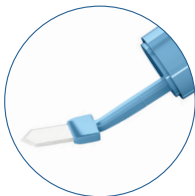
Trifacet Blade  
1.00 mm  
6-10/6SK-053



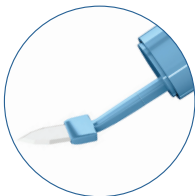
60° Double Edge Lancet Blade  
1.00 mm  
6-10/6SK-070

## PHACO KNIVES

Overall length 135 mm

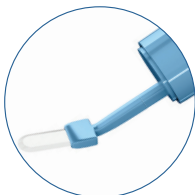


Clear Cornea Blades  
6-20/6SK-072 – 2.80 mm  
6-20/6SK-075 – 2.20 mm  
6-20/6SK-080 – 2.65 mm

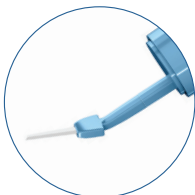


Self-Diving Trapezoid Blades  
6-20/6SK-145 – 1.80/2.20 mm  
6-20/6SK-146 – 1.80/2.40 mm  
6-20/6SK-147 – 1.80/2.90 mm

POPULAR



Facet-Free Crescent Blades  
6-20/6SK-093 – 2.20 mm



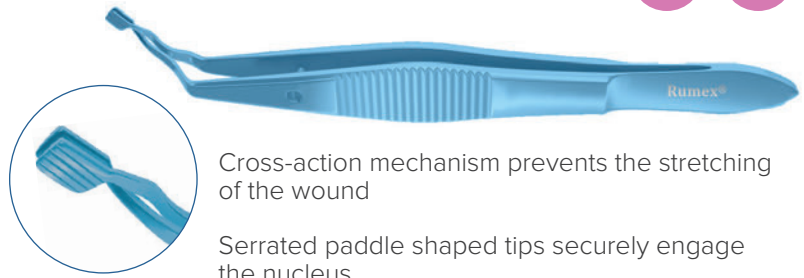
Zaldivar Knife for ICL Implantation  
6-20/6SK-0551 – 0.55/1.00 mm

## PHACO INSTRUMENTS

### Ernest Nucleus Cracker

Cross-action  
Flat handle  
Overall length 106 mm  
Titanium

7-025T



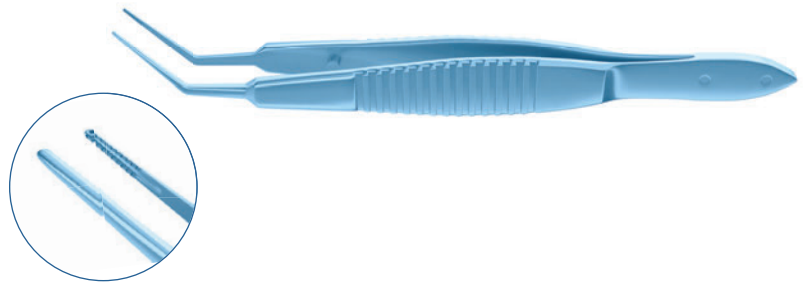
Cross-action mechanism prevents the stretching of the wound

Serrated paddle shaped tips securely engage the nucleus

### 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



Angled Prechopper

Max opening 2.80 mm  
Overall length 117 mm  
7-111S



PHACO  
p.151

Combo Prechopper

Straight  
Specially designed jaws split soft and hard nuclei.  
With sharp blades on the upper side of the tips and blunt on the other side  
Max opening 2.80 mm  
Overall length 121 mm  
7-1161S **POPULAR**



Combo Prechopper

Straight  
For sub-2.00 mm Coaxial Micro Phaco  
Max opening 2.00 mm  
Overall length 121 mm  
7-1162S **POPULAR**



Akahoshi Prechopper

Straight  
Groove enables easy rotation of the nucleus during prechopping.  
Max opening 2.80 mm  
Overall length 121 mm  
7-1163S **MOST POPULAR**



NEW

Escaf Prechopper

Straight  
Round handle  
Overall length 118 mm  
Stainless Steel  
7-149S

Inamura Prechopper

Straight  
Narrow tip is easily inserted into the denser nucleus which enables division of a soft nucleus from a dense one without counter force.  
Max opening 2.80 mm  
Overall length 120 mm  
7-1165S **POPULAR**



Inamura Prechopper

Straight  
Microincisional  
Max opening 1.80 mm  
Overall length 120 mm  
7-11651S



Yeoh Prechopper

Straight  
Blunt atraumatic tips are used for complete nucleus separation during Femtosecond laser cataract procedure.  
Max opening 2.00 mm  
Overall length 120 mm  
7-1166S



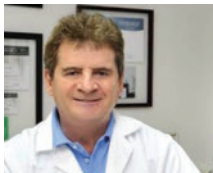
NEW

Crozafon Prechopper

Straight  
Provides easy releasing of entrapped gas bubbles for safer hydrodissection.  
Max opening 3.00 mm  
Overall length 118 mm  
7-1167S

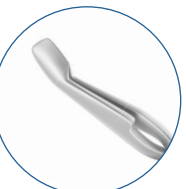


Designed  
in cooperation with  
Luis Escaf MD, Colombia



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

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



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

## CHOPPERS

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

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



### Nagahara Phaco Chopper

Overall length 120 mm

7-063 RHD (shown)  
7-064 LHD

**MOST  
POPULAR**



### Rosen Phaco Chopper Universal

Overall length 120 mm

7-065 **MOST  
POPULAR**



### Rosen Phaco Splitter

60 degree angled  
Wedge-shaped  
Overall length 120 mm

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



### Phaco Cleaver

Overall length 120 mm

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



### Nucleus Claw Chopper

Overall length 120 mm

7-072 **MOST  
POPULAR**



### Intraocular Manipulator with Ball tip

Straight  
0.50 mm diameter ball tip  
Overall length 123 mm

7-074



Angled  
Overall length 121 mm

7-075



### Small Pupil Snapper Hook & Phaco Chopper

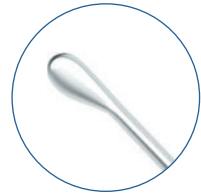
Overall length 121 mm

7-077 **POPULAR**

### Drysdale Nucleus Manipulator & Capsule Polisher

For nucleus dividing and separating  
Overall length 121 mm

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



### Micro Finger Chopper

Overall length 120 mm

7-097



### He Phaco Chopper

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

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



### Phaconit Quick Chopper

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

7-125 0.75 mm tip  
7-1251 1.70 mm tip



### Quick Chopper with Rounded Edge

Overall length 120 mm

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



### Seibel Chopper

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

7-130 RHD **MOST  
POPULAR**



### Axe Quick Chopper

Overall length 120 mm

7-135



CHOPPERS

Nagahara  
Phaco Chopper and Drysdale  
Nucleus Manipulator

Overall length 133 mm  
7-0631 Titanium handle (shown)

7-0631S  
SS

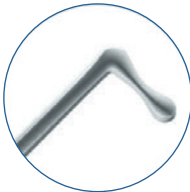
**MOST  
POPULAR**



Double Phaco Spatula

Small Pupil Snapper Hook & Micro Finger  
Overall length 142 mm

7-079 **POPULAR**



Chang  
Micro Finger & Quick Chopper

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

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



Seibel Chopper & Quick Chopper

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

7-1361 RHD **POPULAR**



Triple Edge Phaco Chopper  
with Polisher Tip

Overall length 117 mm

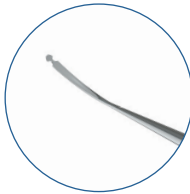
7-126 **POPULAR**

7-126S  
SS



Koch Nucleus Spatula

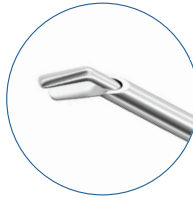
Curved  
Duck bill tips with notches  
Overall length 122 mm  
7-070



## Featured Choppers for FemtoCataract

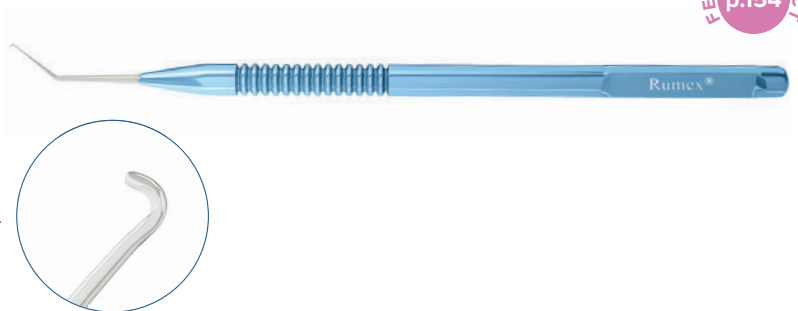
### Slade/Terao Nucleus Splitter

Used to crack the femtochopped nucleus.  
Chopper type design tip  
Curved shaft  
Micro jaws  
With fixation wheel  
Compatible with Squeeze Handle 12-003T  
7-143\* 23 Ga



### Nagy Femtosecond Chopper

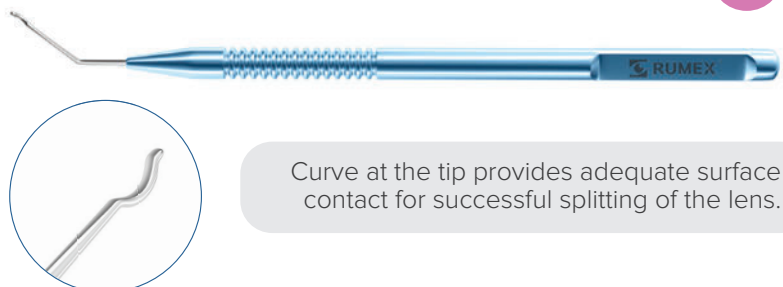
Designed for Femtosecond laser-assisted cataract surgery.  
Cracks the nucleus through the laser-created lines.  
Blunt edge is safe for the posterior capsule.  
Overall length 122 mm  
7-145



FEMTOCATARACT  
p.154

### Donnenfeld Femto Splitter

For splitting the nucleus  
Angled shaft  
Curved tip  
Overall length 121 mm  
7-146



FEMTOCATARACT  
p.154

Curve at the tip provides adequate surface contact for successful splitting of the lens.

\*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 sideports 0.50×0.70 mm provide supplemental irrigation in case when the front opening is overfilled.  
Titanium handle/Stainless Steel tip  
Overall length 105 mm

7-0634/I 20 Ga



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., U.S.A.



IRRIGATION/ASPIRATION HANDPIECES

Irrigation/Aspiration Handpiece  
For Coaxial Phaco

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



Tips for Irrigation/Aspiration Handpiece

Stainless Steel

**MOST  
POPULAR**



Thornton 20° angled  
7-080/20



Binkhorst  
7-080/BC



Simcoe  
7-080/SIM



45° angled  
7-080/45



90° angled  
7-080/90



Straight  
7-080/ST

Irrigation Handpiece  
for Bimanual Technique

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



Irrigates anterior chamber, maintaining its stability and providing for maximal cortex removal.

May be introduced through any side port incision, allowing easy access to all parts of the capsule.



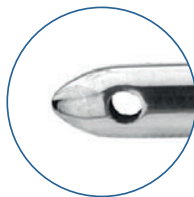
2x0.35 mm side ports  
7-081 21 Ga

**MOST  
POPULAR**



2x0.50 mm side ports  
7-0813 21 Ga

**POPULAR**



2x0.35 mm side ports  
7-081-23 23 Ga

**MOST  
POPULAR**

FEMTOCATARACT  
p.154

Stodulka Enhanced Irrigation Handpiece  
for Bimanual Technique

Handpiece recommended for bimanual microphaco and Femtosecond cataract surgery.  
Curved  
Two ports on side 0.50x1.00 mm for optimal irrigation  
Smooth bullet-shaped tip facilitates instrument insertion.  
Titanium handle/Stainless Steel tip  
Standard connector  
Overall length 105 mm

7-0811 21 Ga



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

7 - PHACO INSTRUMENTS

Aspiration Handpiece For Bimanual Technique

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

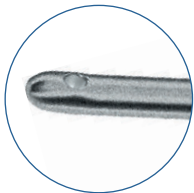


- May be introduced through any side port incision, allowing easy access to all parts of the capsule
- Removes residual cortex after phacoemulsification



1x0.35 mm top port  
Smooth tip  
7-082 21 Ga

**MOST  
POPULAR**



1x0.35 mm top port  
Capsule polisher tip  
7-0821 22 Ga

**MOST  
POPULAR**



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

EMTOCATARACT  
p.154

**MOST  
POPULAR**



1x0.30 mm top port  
Smooth tip  
Polished ball tip is safe and atraumatic for the capsular bag.  
No need to enlarge the incision.  
7-0826 23 Ga

# NEEDLE HOLDERS

- Tungsten carbide coated tips for better gripping
- Lightweight

## KALT NEEDLE HOLDERS

Kalt  
Needle Holder  
For 4.0-6.0 sutures  
Straight  
Standard jaws, 10.50 mm  
Flat serrated locking handle  
Overall length 135 mm  
Titanium  
8-080T **POPULAR**

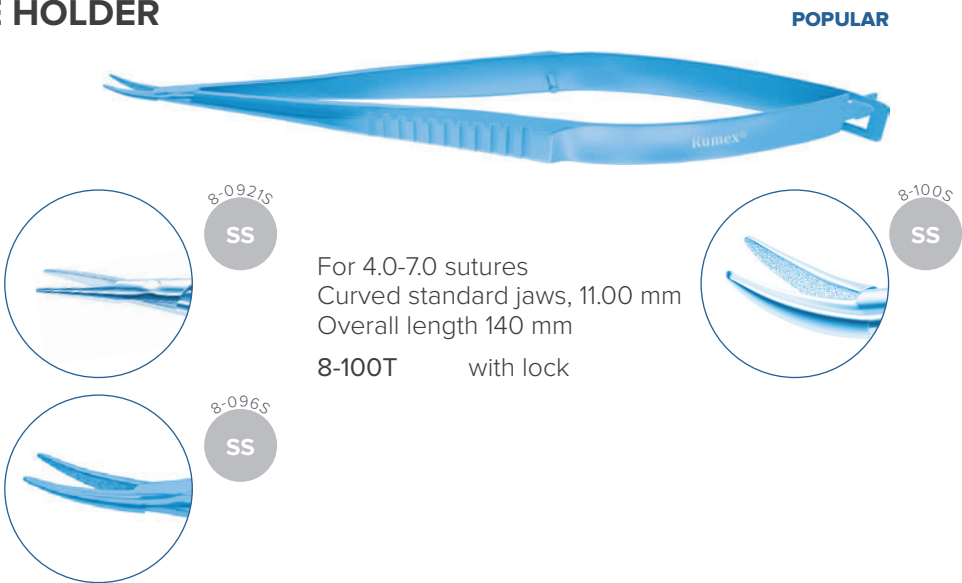


## CASTROVIEJO NEEDLE HOLDER

Castroviejo  
Needle Holder  
Titanium  
Flat serrated handle

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

For 7.0-9.0 sutures  
Curved delicate jaws, 8.00 mm  
Overall length 135 mm  
8-096T without lock



## ING'S NEEDLE HOLDERS/SCISSORS

Ing's  
Needle Holder/Scissors  
For 4.0-7.0 sutures  
Used to cut suture only.  
Combination of needle holder and scissors  
in one instrument  
Straight long size jaws, 15.00 mm  
Round handle  
Overall length 105 mm  
Stainless Steel  
8-102S



## COAXIAL/INTRAOCULAR NEEDLE HOLDERS

Intraocular Needle Holder  
For 9.0-11.0 sutures  
Designed for intraocular suturing and  
manipulations with the IOL.  
Curved shaft  
With fixation wheel  
Compatible with Squeeze Handle 12-003T  
8-1211-23\* 23 Ga



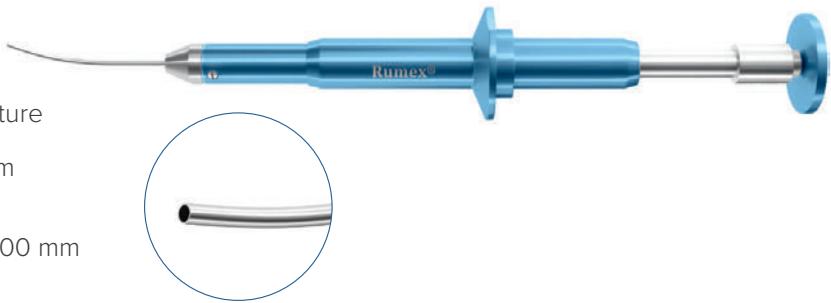
\*Tip only. Handles are sold separately.  
Product design and/or features that do not influence its functionality and main parameters are subject to change

8 - NEEDLE HOLDERS

Coaxial Needle Holder  
For IOL Suturing

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

8-120 18 Ga



BARRAQUER NEEDLE HOLDER

Tungsten carbide coated tips for better gripping

Lightweight

Barraquer  
Needle Holder

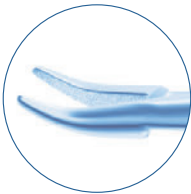
Titanium  
Ergonomic round serrated handle



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

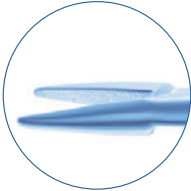
8-010T with lock  
8-011T without lock

**MOST  
POPULAR**



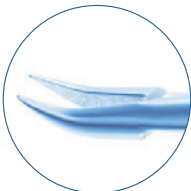
For 4.0-7.0 sutures  
Straight standard jaws, 12.00 mm  
Overall length 100 mm

8-013T without lock



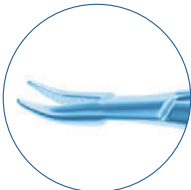
For 4.0-7.0 sutures  
Curved fine jaws, 12.00 mm  
Overall length 100 mm

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



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

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

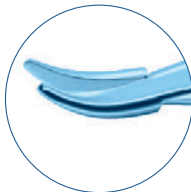


For 4.0-7.0 sutures  
Curved standard jaws, 12.00 mm  
Overall length 115 mm

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

8-031S  
**SS**

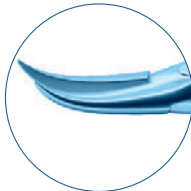
**MOST  
POPULAR**



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

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

**POPULAR  
MOST  
POPULAR**

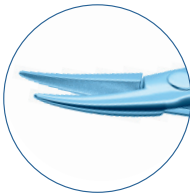


For 8.0-11.0 sutures  
Curved extra fine jaws, 8.00 mm  
Overall length 115 mm

8-045T without lock

8-045S  
**SS**

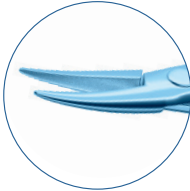
**MOST  
POPULAR**



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

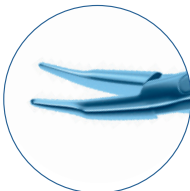
8-050T with lock  
8-051T without lock

8-051S  
**SS**



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

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



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

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

8-071S  
**SS**

**POPULAR  
MOST  
POPULAR**

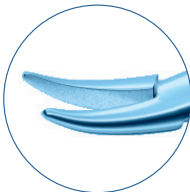


For 4.0-6.0 sutures  
Curved strong jaws, 12.00 mm  
Overall length 125 mm

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

8-091S  
**SS**

**MOST  
POPULAR**



8-041S  
**SS**

8-040S  
**SS**

## PROBES

### Bowman Lacrimal Probe

Overall length 133 mm

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



LACRIMAL  
p.162

### Quickert Lacrimal Intubation Probe

Overall length 140 mm

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



LACRIMAL  
p.162

### Pigtail Lacrimal Probe

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

9-031	<b>POPULAR</b>
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OCULOPLASTIC  
p.165

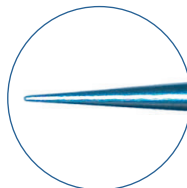
LACRIMAL  
p.162

9-031S  
SS

### Wilder Lacrimal Dilator

Blunt polished tip  
Overall length 100 mm  
Titanium

9-050T	size 1 (19.00 mm)	<b>POPULAR</b>
9-051T	size 2 (23.00 mm)	
9-052T	size 3 (32.00 mm)	



OCULOPLASTIC  
p.165

LACRIMAL  
p.162

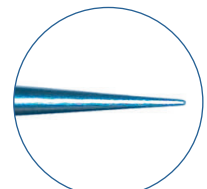
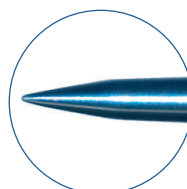
9-050S  
SS

9-051S  
SS

### Castroviejo Double-Ended Lacrimal Dilator

Polished tip  
Overall length 100 mm  
Titanium

9-060T	size 1 & 2	<b>MOST POPULAR</b>
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LACRIMAL  
p.162

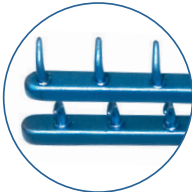
9-060S  
SS

RETRACTORS

LACRIMAL SAC RETRACTORS

Stevenson  
Lacrimal Sac Retractor

Curved  
3x3 prongs  
Blades separated 25.00 mm  
Screw opening  
Overall length 83 mm  
10-013



LACRIMAL  
p.162

10-013S  
SS

Knapp  
Lacrimal Sac Retractor

4 blunt prongs  
8.00 mm width tip  
Overall length 140 mm  
10-014 **MOST POPULAR**



OCULOPLASTIC  
p.165

LACRIMAL  
p.162

10-014S  
SS

LID & ORBITAL RETRACTORS

Desmarres  
Lid Retractor

Overall length 130 mm  
10-020 size 0 - 11.00 mm **POPULAR**  
10-021 size 1 - 13.00 mm (shown) **MOST POPULAR**  
10-022 size 2 - 15.00 mm  
10-023 size 3 - 17.00 mm



LID  
p.163

10-020S  
SS

10-021S  
SS

10-022S  
SS

10-023S  
SS

Secures the eyelid in the everted position.  
May be employed for safe eyelid and lashes isolation during intravitreal injections.

Schepens Orbital Retractor

Overall length 144 mm  
Stainless Steel  
10-030S



Double-Ended Orbital Globe  
Retractor-Elevator

Double-ended, 10.00/14.00 mm wide  
Thin ribbon retractor with a gentle “S” curve  
Overall length 180 mm  
Titanium  
10-034T

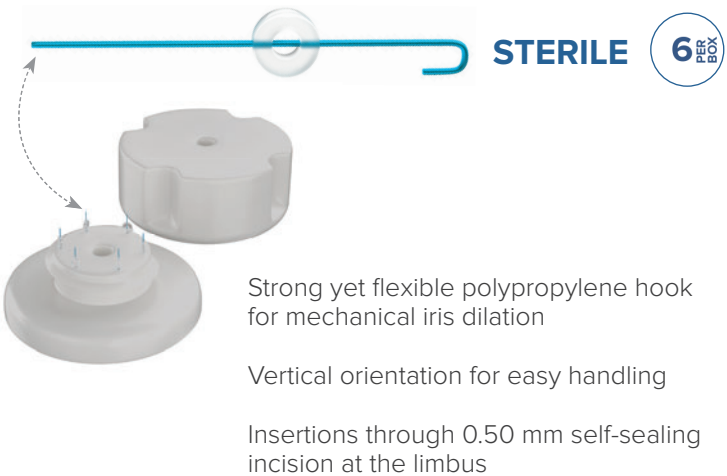


IRIS (PUPIL) DILATORS

Iris Retractor\*

Reusable  
Supplied sterile in autoclavable PTFE container

10-5127 **MOST  
POPULAR**



Iris Retractors\*

Disposable

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



Beehler  
Pupil Dilator

17 Gauge  
Curved shaft  
Four prongs  
Overall length 130 mm  
Titanium



Provides even dilation by allocating tension on all sides of the pupil.

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

11 - SCISSORS

SCISSORS

Sharp cutting edges

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

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

Excellent cutting function for simple manipulations with tissues

Unique hardening system promoting 3,000+cuts without resharpening

Maraging stainless steel

CORNEAL SCISSORS

Flat Handle  
Stainless Steel

Castroviejo  
Corneal Scissors

Blunt tips  
Curved 11.00 mm blades  
Overall length 100 mm



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

Castroviejo  
Universal Corneal Scissors

Blunt tips  
7.50 mm blades  
Overall length 102 mm  
11-011S  
11.00 mm blades  
Overall length 106 mm  
11-012S



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

Castroviejo  
Universal Corneal Scissors

Curved 16.00 mm blades  
Blunt tips  
Overall length 110 mm



11-015S **POPULAR**

Osher  
Universal Corneal Scissors

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



11-013S

Corneal  
Universal Scissors

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



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

Katzin  
Corneal Transplant Scissors

Strongly curved medium blades  
Blunt tips  
Overall length 100 mm



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

**CORNEAL**  
p.156

Castroviejo  
Corneal Section Scissors

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



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

**CORNEAL**  
p.156

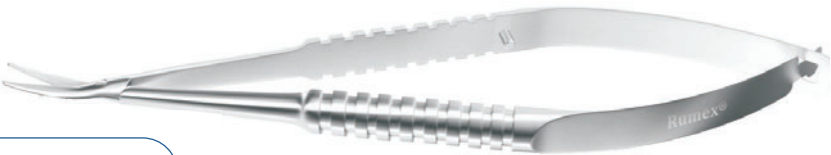
DALK  
Corneal transplant scissors

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 (shown)  
11-0381S Left

**DALK**  
p.157



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

DLEK  
p.158**DLEK****Corneal Transplant Scissors**

For the removal of the posterior cornea

Long blades

Overall length 102 mm

Stainless Steel

11-036S Medium curve

11-0361S Strong curve



11-036S



11-0361S

DALK  
p.157**Holland Spatulated DALK Scissors**

Vannas-style scissors with "micro blades" facilitate the dissection of stromal tissue.

Rounded and blunt tips

Horizontally-oriented, spatulated design

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

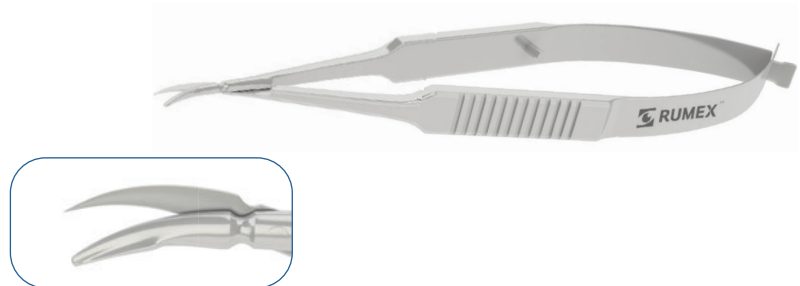
Shortened outer blade allows to trim the tissue in a precise fashion.

Overall length 100 mm

Stainless Steel

11-134 Right (shown)

11-135 Left

**IRIS SCISSORS****Zaldivar****Iridectomy Scissors**

Straight shaft

With fixation wheel

Compatible with Squeeze Handle 12-003T

11-03721\* 23 Ga

**McPherson-Vannas  
Iris Scissors**

Curved

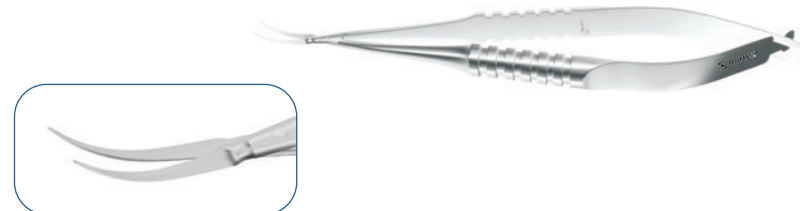
8.00 mm blades

Sharp pointed tips

Round handle

Overall length 85 mm

Stainless Steel

11-062S **MOST  
POPULAR****Iris Scissors**

28.00 mm pointed tips from midscrew to tip

Ring handle

Overall length 115 mm

Stainless Steel

11-080S Straight (shown)

11-081S Curved **MOST  
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

11 - SCISSORS

Barraquer  
Iris Scissors

7.00 mm blades  
Blunt tips  
Squeeze action handle  
Overall length 55 mm  
Stainless Steel  
11-1223 **POPULAR**



STITCH SCISSORS

Westcott  
Stitch Scissors

Gently curved  
16.00 mm blades  
Sharp pointed tips  
Overall length 120 mm  
Stainless Steel  
11-044S Standard jaws (shown)  
11-125S Westcott type slim jaws



**MOST  
POPULAR**



Westcott  
Stitch Scissors

Gently curved  
13.00 mm blades  
Sharp pointed tips  
Overall length 115 mm  
Stainless Steel  
11-046S Flat handle **POPULAR**  
11-047S Round handle



STRABISMUS SCISSORS

Knapp  
Strabismus Scissors

Ring handle  
Overall length 115 mm  
Stainless Steel  
11-100S Straight (shown) **POPULAR**  
11-101S Curved



## TENOTOMY SCISSORS

### Westcott Tenotomy Scissors

Stainless Steel  
Curved  
Blunt tips



### Westcott Tenotomy Scissors

13.00 mm blades  
Overall length 115 mm

11-040S **MOST  
POPULAR**



### Westcott Tenotomy Scissors

15.00 mm blades  
Overall length 116 mm

11-048S Right **MOST  
POPULAR**



### Westcott Tenotomy Scissors

16.00 mm blades  
Overall length 120 mm

11-042S **MOST  
POPULAR**



### Shepard-Westcott Tenotomy scissors

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

11-0481S Right



### Stevens Tenotomy scissors

Overall length 115 mm  
Stainless Steel

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

**MOST  
POPULAR**



CAPSULOTOMY SCISSORS

Side Port  
Capsulotomy Scissors

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

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



Capsulotomy Scissors

Sharp pointed tips  
Stainless Steel



Vannas  
Capsulotomy Scissors

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

11-050S **MOST POPULAR**



Vannas  
Capsulotomy Scissors

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

11-052S **MOST POPULAR**



Vannas  
Capsulotomy Scissors

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

11-054S **POPULAR**



Gills-Vannas  
Capsulotomy Scissors

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

11-056S **POPULAR**



Gills-Vannas  
Capsulotomy Scissors

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

11-058S **MOST POPULAR**



Gills-Vannas  
Capsulotomy Scissors

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

11-0581S **MOST POPULAR**



Clayman-Vannas  
Swan Neck Capsulotomy Scissors

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

11-0501S



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



## ENUCLEATION SCISSORS

### Enucleation Scissors

Curved  
Blunt tips  
Ring handle  
Stainless Steel

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

11-090S (shown)

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

11-091S



## IOL CUTTERS/SCISSORS

### Osher IOL Scissors

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

4-2175S **POPULAR**



### Rowen Rescue Kit Scissors

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

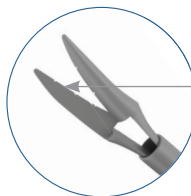
4-2151\* 18 Ga **POPULAR**



### Micro Foldable Lens Cutter

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

4-2173\* 19 Ga



Notches

\*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

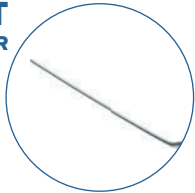
- 13-010 0.25 mm width, 10.00 mm length (shown)
- 13-011 0.40 mm width, 14.00 mm length
- 13-014 1.00 mm width, 13.00 mm length

MOST POPULAR



13-011S  
SS

13-014S  
SS



Curved Spatula

Overall length 122 mm

- 13-020 0.25 mm width, 12.00 mm length



13-031S  
SS

Double Spatula

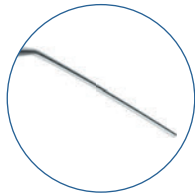
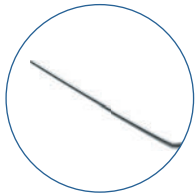
Overall length 144 mm

- 13-031 0.50 & 1.00 mm width

MOST POPULAR

Overall length 134 mm

- 13-032 0.30 & 0.50 mm width



CYCLODIALYSIS SPATULAS

Castroviejo

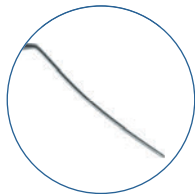
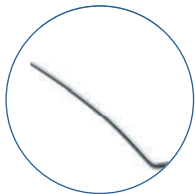
Double-Ended Cyclodialysis Spatula

Overall length 136 mm

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

POPULAR

GLAUCOMA  
p.159



Castroviejo

Cyclodialysis Spatula

Overall length 124 mm

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



## FEMTOSECOND CATARACT SPATULAS

### Spatula for Femtosecond Laser Procedure

Used for opening cataract incision created by femtosecond laser system.  
Specially designed for Alcon LenSx® Laser.  
Also compatible with incisions made by VICTUS™ Femtosecond Laser platform (Bausch & Lomb).  
1.40 mm length flat tip  
Overall length 120 mm

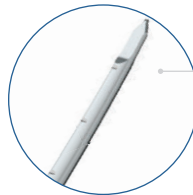
20-204



### Donnenfeld Femto Spatula

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

20-2041

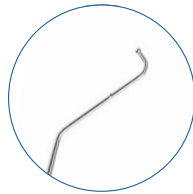


10 serrations for intraocular measurement  
(from 1.00 mm to 10.00 mm with 1.00 mm increment)

### Uy Laser Lens Fragmentation Combo Manipulator

Double-ended instrument for Femtosecond cataract procedure combining a chopper and a spatulated tip for nuclear, epinuclear and cortical fragments manipulating  
Overall length 131 mm

13-181

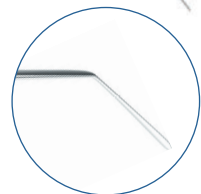


## CORNEAL SPATULAS

### Paton Spatula and Spoon

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

13-110



DSEK, DSAEK, DMEK SPATULAS

DLEK  
p.158

DSEK, DSAEK, DMEK  
p.157

Corneal Dissector

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



Corneal Dissector

For intrastromal dissection  
Curved (curvature radius 22.00 mm)  
45° angled shaft  
12.00 mm from tip to angle  
Overall length 127 mm  
13-138



Irrigating Endothelial Stripper

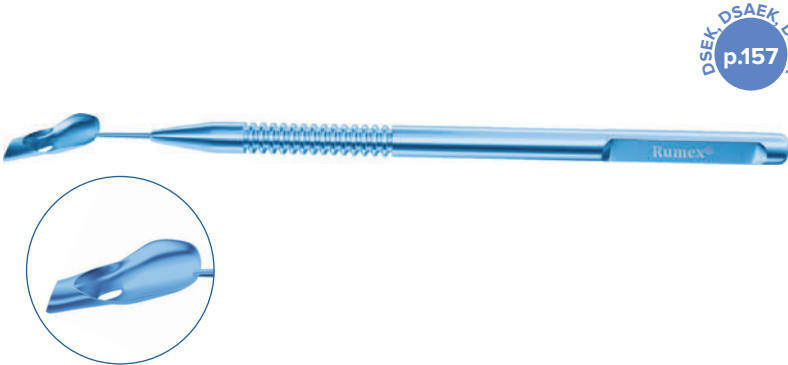
For Descemet's stripping  
Overall length 104 mm  
13-139/I



DSEK, DSAEK, DMEK  
p.157

Spatula-Guide

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



DSEK, DSAEK, DMEK  
p.157

## DSEK, DSAEK, DMEK SPATULAS

### Cindy Sweeper DSEK Spatula

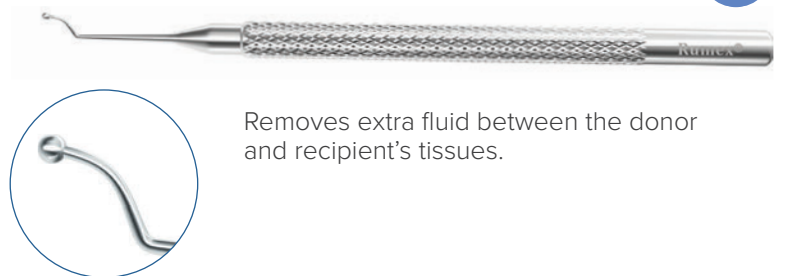
Angled shaft  
12.00 mm from bend to tip  
0.70 mm diameter  
Overall length 111 mm  
Stainless Steel  
13-151S



Smoothens out the area between the donor graft and recipient's stromal bed.

### Carlson DSEK Smoother

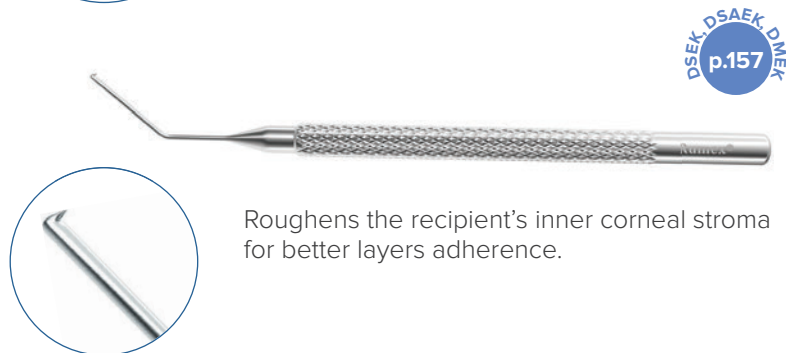
Angled/vaulted shaft  
7.50 mm from tip to angle  
2.50 mm blunt ball  
Overall length 119 mm  
Stainless Steel  
13-152S



Removes extra fluid between the donor and recipient's tissues.

### Terry DSEK Scraper

Angled shaft  
11.00 mm from tip to angle  
Hole-shaped scraper facing upward  
Overall length 112 mm  
Stainless Steel  
13-153S



Roughens the recipient's inner corneal stroma for better layers adherence.

### Melles Style 1 DSAEK PLK Scraper

45° angled shaft  
11.00 mm from tip to angle  
45° angled tip  
Overall length 125 mm  
Titanium  
13-154T



### Melles Style 2 DSAEK PLK Scraper

45° angled shaft  
11.00 mm from tip to angle  
90° angled tip  
Overall length 125 mm  
Titanium  
13-155T



13 - SPATULAS

John DSAEK Descemet's Stripper

Curved shaft  
14.00 mm from bend to tip  
"T" shape 1.50 mm wide x 0.60 mm high tip  
Efficient in cases of strong adherence of the Descemet's membrane to recipient's corneal stroma.  
Overall length 121 mm  
13-1491



John Dexatome DMEK/ DSAEK Spatula

Removes the Descemet's membrane as a single disc.  
Strongly vaulted shaft  
Overall length 119 mm  
13-182



DSEK, DSAEK, DMEK  
p.157

John DSAEK Stromal Scrubber

Roughens the inner corneal stroma at the periphery of Descemetorhexis.  
Minimizes the risk of disk detachment after DSAEK.  
Strongly vaulted shaft  
Round handle  
Overall length 120 mm  
13-183



DSEK, DSAEK, DMEK  
p.157

John DSAEK Glider

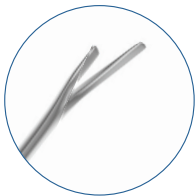
Used for donor disk gliding.  
Smoothens the corneal surface and clears fluid in the donor-recipient interface.  
Overall length 114 mm  
13-184



DSEK, DSAEK, DMEK  
p.157

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.  
Overall length 132 mm  
13-185



DSEK, DSAEK, DMEK  
p.157

## DLEK SPATULAS

### Manipulator for DLEK procedure

Designed to tuck the edges of the donor lamella.

0.15 mm diameter Z-hook with blunt tip

Overall length 120 mm

13-160



DLEK  
p.158

## DALK SPATULAS

### Trisector for DALK Procedure

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

Blunt bottom surface is safe for Descemet's membrane.

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

Flat 1.40×0.70 mm tip

Overall length 124 mm

13-170



DALK  
p.157

### Spatula for DALK Procedure

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

Blunt bottom surface is safe for Descemet's membrane.

Flat 1.00×9.00 mm tip

Overall length 122 mm

13-171



### Dissector for DALK Procedure

Creates a track in deep stroma for the further cannula inserting.

Obtains delicate preparation for "Big Bubble" procedure.

12.00 mm length blunt beveled tip

Overall length 122 mm

13-172



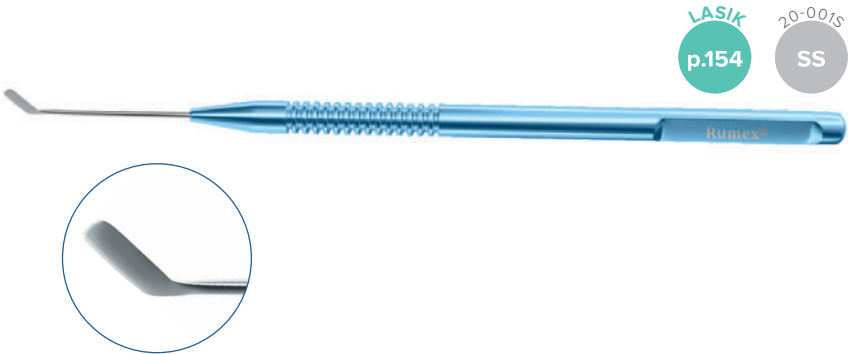
FOREIGN BODY SPUDS

Davis  
Foreign Body Spud  
Overall length 123 mm  
16-153

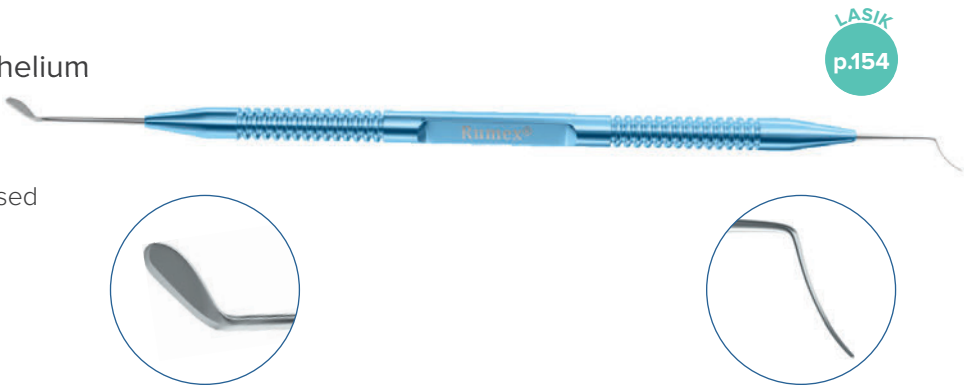


PRK/LASIK SPATULAS

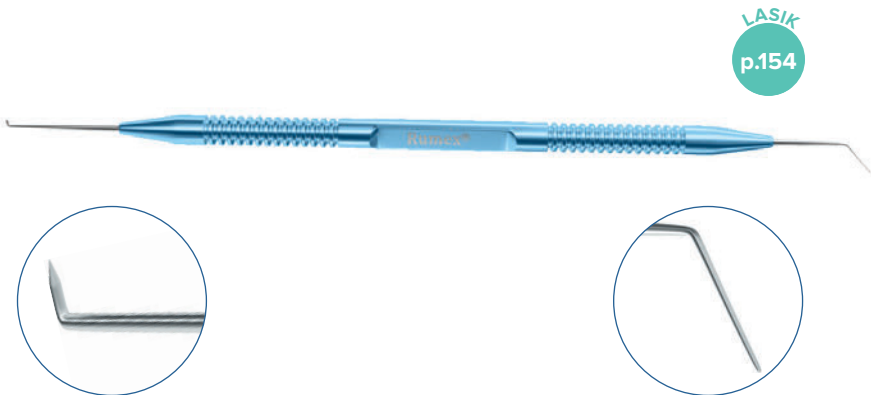
Hockey Knife  
for Epithelium Removal  
To remove epithelium for PRK  
procedure and during LASIK  
retreatment  
Overall length 130 mm  
20-001 **POPULAR**



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  
Spatula and Flap Retreatment  
Instrument  
Double-ended  
Overall length 133 mm  
20-013



## LASEK SPATULAS

### LASEK Epithelial Micro Hoe

Can be used to detach and lift the edge of the epithelium flap.

Overall length 120 mm

20-131



### LASEK Knife

The sharp anterior part of the knife is used to detach epithelium from the incision.

The blunt part of the knife is for repositioning of the epithelium after the ablation.

Overall length 128 mm

20-0011 **POPULAR**



## SMILE SPATULAS

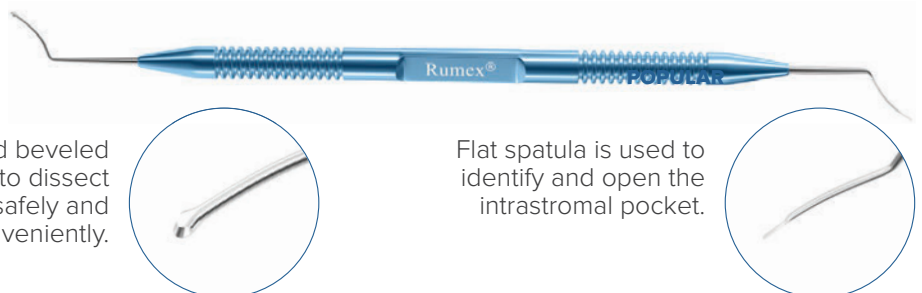
### Stodulka ReLEx Smile Double Lenticule Spatula

Blunt spoon and flat spatula  
Overall length 140 mm

20-207 **POPULAR**

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

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



### ReLEx Smile Double Lenticule Spatula

Blunt spoon and shortened atraumatic spatula  
Overall length 139 mm

20-2071

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

Flat shortened spatula



FEMTOLASIK SPATULAS

FemtoLASIK Flap Spatula  
Double-Ended

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

20-201 **POPULAR**



FemtoLASIK 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 **POPULAR**



## ICL™ SPATULAS

### Pallikaris ICL™ Manipulator

Designed to place the lens corners under the iris.

Sandblasted tip  
Overall length 123 mm

13-141



ICL  
p.155

ICL™ — registered trademark of STAAR®



### Zaldivar ICL™ Manipulator

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

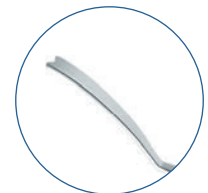
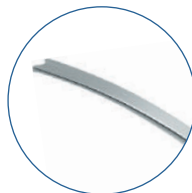
Overall length 128 mm

13-142



ICL  
p.155

ICL™ — registered trademark of STAAR®



## ICRS SPATULAS

### Elevator for ICRS Implantation

To create a small pocket in intended direction of the tunnel with a mild rotatory movement

Straight shaft

Tip dimensions: 0.10 mm height, 0.20 mm width, 0.70 mm length

Overall length 123 mm

10-035



ICRS  
p.158



### Suarez Spreader

To enlarge the small corneal pockets in both directions in a proper depth

Straight shaft

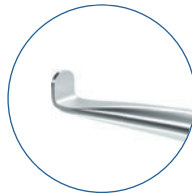
Tip dimensions: 0.10 mm height, 0.60 mm width, 1.25 mm length

Overall length 122 mm

13-146



ICRS  
p.158



### Bicalto Guide

To lift the cornea for inserting the Tunnel Maker beneath the guide

Blunt tip

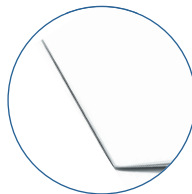
Tip dimensions: 0.30 mm height, 0.10 mm width, 5.00 mm length

Overall length 121 mm

13-147



ICRS  
p.158

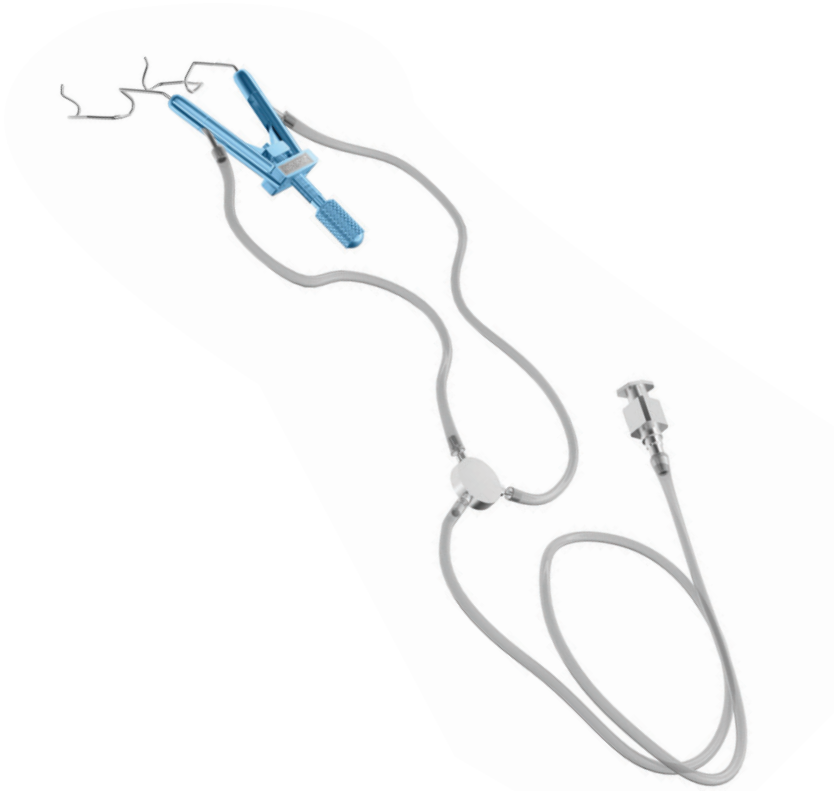


SPECULUMS

SPECULUMS WITH ASPIRATION

Thumb-screw control to adjust lid tension

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



Kershner Style



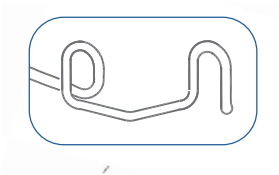
Reversible  
Nasal/temporal approach  
Solid blades, 14.00 mm  
Overall length 70 mm

14-060A Adult

Lieberman Style

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

14-080A Adult

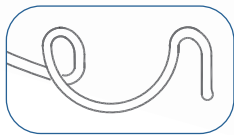


Lieberman Style for LASIK

Temporal  
Rounded open  
blades, 14.00 mm  
Overall length 78 mm

14-080LA Adult

**MOST  
POPULAR**



Child Lieberman Style

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

14-082A Child **POPULAR**

Lieberman Style for LASIK

Nasal  
Rounded open blades, 14.00 mm  
Overall length 75 mm

14-081LA Adult

## LANCASTER SPECULUMS

### 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.

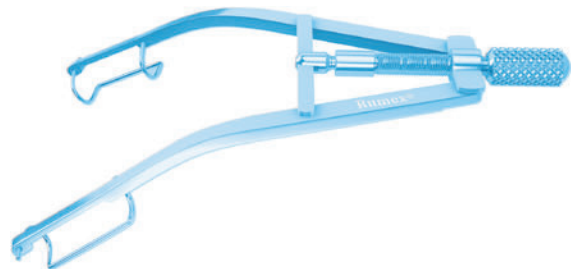
Temporal  
Solid blades, 16.00 mm  
Overall length 67 mm  
Titanium  
14-045T



## CASTROVIEJO SPECULUMS

### Castroviejo Speculum

Temporal  
Fenestrated blades, 14.00 mm  
Blades spread 30.00 mm  
Flat branches  
Overall length 85 mm  
Titanium  
14-061T Adult **POPULAR**



## REVERSIBLE SPECULUMS KERSHNER STYLE

Can be used both for nasal and temporal approach.

### Kershner Reversible Speculum

Fenestrated blades, 14.00 mm  
Flat branches  
Overall length 70 mm  
Titanium  
14-062T Adult



14-0601S 14-060S  
SS SS

### Kershner Reversible Speculum

Adult  
Solid blades, 14.00 mm  
Overall length 70 mm  
Titanium

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

**MOST  
POPULAR**



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

TEMPORAL SPECULUMS LIEBERMAN STYLE

Thumb-screw control to adjust lid tension

Temporal Speculum  
Lieberman Style  
Titanium



1A-040S  
SS

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

14-040T Adult **MOST POPULAR**



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

14-042T Child **POPULAR**

1A-042S  
SS

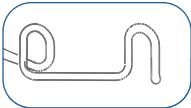
«V» style open blades, 14.00 mm  
Flat branches  
Overall length 76 mm

14-0401T Adult **MOST POPULAR**

1A-0401S  
SS

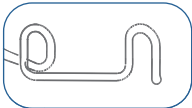
Kratz style open blades, 14.00 mm  
Round branches  
Overall length 71 mm

14-040TK Adult **MOST POPULAR**



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

14-0401TK Adult **MOST POPULAR**



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

14-040TL Adult **POPULAR**



Specially designed to accommodate microkeratome suction ring.

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

14-0401TL Adult

featured

Slade-Murdoch Speculum  
Adjustable Wire Speculum

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

14-052T



NEW

CATARACT  
p.150

NASAL SPECULUMS LIEBERMAN STYLE

Thumb-screw control to adjust lid tension

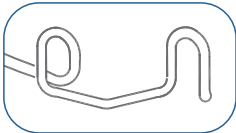
Nasal Speculum Lieberman Style

Titanium

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

14-041T Adult

**MOST  
POPULAR**



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

14-043T Child

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

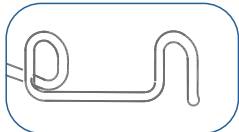
14-0411T Adult

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

14-0431T Child

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

14-041TK Adult



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

14-0411TL Adult

Specially designed to  
accommodate microkeratome  
suction ring.



SAUER SPECULUMS

Solid blades  
Blade spread 20.00 mm  
Overall length 35 mm

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



BARRAQUER WIRE SPECULUMS

Angled for temporal approach

Stainless Steel



Closed rounded wire blades

14.00 mm blades  
Overall length 45 mm

14-022S Adult **MOST POPULAR**

11.00 mm blades  
Overall length 38 mm

14-023S Child **POPULAR**

10.00 mm blades  
Overall length 38 mm

14-024S Infant **POPULAR**

4.00 mm blades  
Overall length 25 mm

14-0244S Newborn **MOST POPULAR**



Solid blades

14.00 mm blades  
Overall length 40 mm

14-0221S Adult **MOST POPULAR**

11.00 mm blades  
Overall length 35 mm

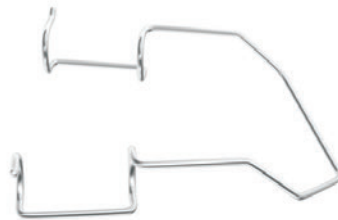
14-0231 Child

5.00 mm blades  
Overall length 28 mm

14-0241S Newborn

4.00mm blades  
Overall length 28 mm

14-0222S Premature



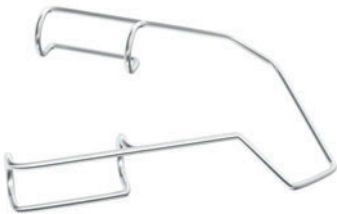
Open wire blades

14.00 mm blades  
Overall length 45 mm

14-025S Adult **MOST POPULAR**

11.00 mm blades  
Overall length 40 mm

14-026S Child



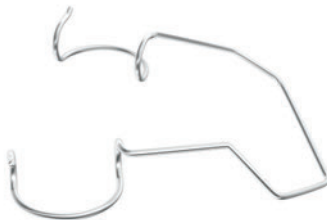
Closed wire blades

14.00 mm blades,  
Overall length 40 mm

14-028S Adult **MOST POPULAR**

11.00 mm blades,  
Overall length 36 mm

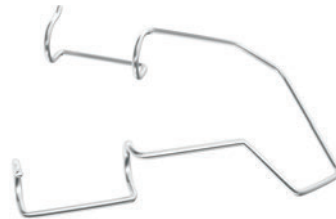
14-0281S Child



Open rounded wire blades

14.00 mm blades,  
Overall length 40 mm

14-0282S Adult



Open wire blades

14.00 mm blades,  
Overall length 45 mm

14-0286S Adult

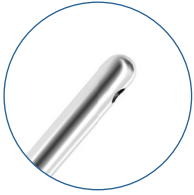
10.00 mm blades,  
Overall length 36 mm

14-0287S Child

# CANNULAS

## ANESTHESIA CANNULAS

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



**Sub-Tenon's Anesthesia Cannula**

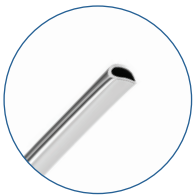
Curved  
0.30 mm side port

15-009 19 Ga × 25 mm **POPULAR**



**Atkinson Retrobulbar Needle**

15-001-23 23 Ga × 38 mm



**Sub-Tenon's Anesthesia Cannula**

Curved  
Flattened tip  
Front opening

15-013-19 19 Ga × 25 mm



**Sub-Tenon's Anesthesia Cannula**

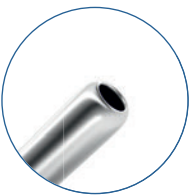
Curved  
3 ports of 0.40 mm

15-011C-19 19 Ga × 25 mm



## ANTERIOR CHAMBER CANNULAS

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



**Rycroft Anterior Chamber Cannula**

Angled 45°

4 mm angled tip

15-051-23 23 Ga × 22 mm

15-051-25 25 Ga × 22 mm

15-051-27 27 Ga × 22 mm

15-051-30 30 Ga × 22 mm

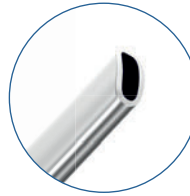
**POPULAR**

6 mm angled tip

15-052-27 27 Ga × 22 mm

8 mm angled tip

15-053-27 27 Ga × 22 mm



**Bishop-Harmon Anterior Chamber Cannula**

8 mm angled tip

Angled 40°

Spatulated

15-055-19 19 Ga × 25 mm

**MOST  
POPULAR**

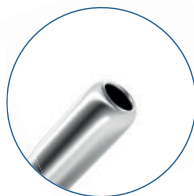


15 - CANNULAS



Bracken Anterior Chamber Cannula

Curved 90°  
Flattened beveled tip  
15-057      19 Ga × 23 mm



McIntyre Anterior Chamber Cannula

Angled 45°  
Smooth blunt tip  
Front opening  
15-061-26      26 Ga × 20 mm



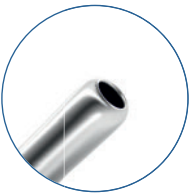
Lewicky Anterior Chamber Maintainer

Self-retaining threaded tip for stable fixation within the corneal stroma  
27.5 cm silicone tubing  
15-065      20 Ga × 3.5 mm tip      **MOST POPULAR**



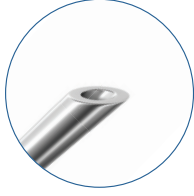
Jaymce Anterior Chamber Maintainer

Bulbous beveled tip allows easy insertion and stable fixation within the corneal stroma  
27.5 cm silicone tubing  
15-1067      20 Ga × 4 mm tip



Irrigating Cannulas

Straight  
Blunt polished tip  
15-049-23      23 Ga × 25 mm  
15-049-30      30 Ga × 25 mm



Girard Anterior Chamber Maintainer

Atkinson tip  
27.5 cm silicone tubing  
15-067      23 Ga × 5 mm tip      **POPULAR**

IRRIGATING/ASPIRATING CANNULAS

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

Simcoe I/A Cannulas

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

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

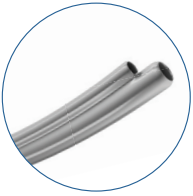
Reverse  
0.30/0.40 mm aspiration port, 0.40 mm side opening for irrigation  
Aspiration through luer-lock hub, irrigation through the silicone tubing hub

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

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

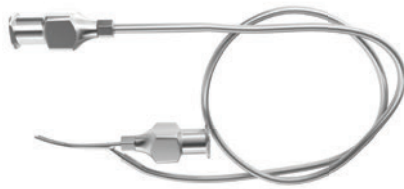


ECCE p.152      PHACO p.151

**Gills I/A Cannula**

Side by side front opening

15-119      23/23Ga

**J-Shaped I/A Cannula**

Regular

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

15-1149R      23/23 Ga, Right

**LENS REMOVAL/NUCLEUS REMOVAL CANNULAS**

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

**Knolle-Pearse Irrigating Vectis**3 irrigating ports at 12, 10 and 2 o'clock  
Loop 5.00 mm wide, 9.00 mm long

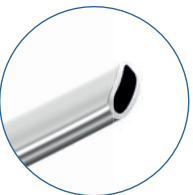
15-183      23 Ga × 35 mm

**Sheets Irrigating Vectis**3 irrigating ports  
Serrations on top  
Loop 6.50 mm wide, 19.00 mm long

15-203      21 Ga × 38 mm

**HYDRODISSECTION/HYDRODELINEATION CANNULAS**

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

**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**MOST  
POPULAR****Chang Nucleus Hydrodissector**Beveled tip used to rotate the nucleus  
Flat tip ensures easy insertion under the capsular rim and broad stream of fluid  
Angled 90°

15-0681      27 Ga × 16 mm

**MOST  
POPULAR****Pearce J-Shaped Micro Hydrodissector**Hook 1.75 mm wide, 2.25 mm long  
"J" shape facilitates hydrodissection at the 12 o'clock position

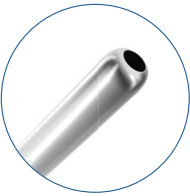
15-073-27      27 Ga × 22 mm



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

CORTEX REMOVAL CANNULAS

Used to remove cortical material during phacoemulsification.



McIntyre-Binkhorst Cannula

Left  
Blunt tip

15-079L      26 Ga × 22 mm



Simcoe Cortex Extractor Cannula

0.35 mm side port

15-091-13/23      23 Ga × 13 mm



CYSTOTOME CANNULAS

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



Kelman Sharp  
Irrigating Cystotome

Curved sharp cutting edge

15-025      25 Ga × 32 mm



CAPSULE POLISHERS

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



Microincisional Capsule Polisher

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

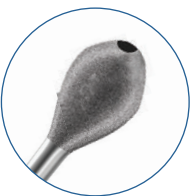
15-170      23 Ga × 25 mm



Kratz Capsule Polisher

0.30 mm side port  
Angled, blasted 3 mm from end

15-169-23      23 Ga × 22 mm



Jensen Capsule Polisher

Gently curved  
Olive-shaped sandblasted tip

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

POPULAR



## GLAUCOMA CANNULAS



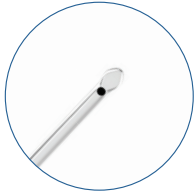
### Viscocanalostomy Cannula

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

15-1051-30 30 Ga × 20 mm

## DALK CANNULAS

DALK  
p.157



### Cannula for DALK Procedure

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

15-450-27 27 Ga × 38 mm

**MOST  
POPULAR**

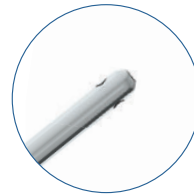
## REFRACTIVE CANNULAS



### Vidaurri LASIK Irrigation Cannula

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

15-371-25 25 Ga × 22 mm



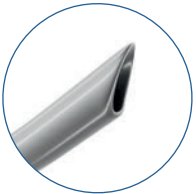
### Buratto LASIK Irrigation Cannula

3 irrigating ports of 0.25 mm

15-379-25 25 Ga × 32 mm

FEMTOLASIK  
p.154

LASIK  
p.154



### Slade LASIK Cannula

Flattened spatulated tip

15-376 26 Ga × 25 mm

LASIK  
p.154



### Banaji LASIK Irrigation Cannula

Curved  
4 ports of 0.25 mm

15-373-25 25 Ga × 22 mm **POPULAR**

LASIK  
p.154



### Gimbel LASIK Fountain Cannula

Right  
Single port of 0.25 mm

15-378R 25 Ga × 25 mm

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

LACRIMAL CANNULAS

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



Lacrimal Cannulas

23 Ga cannula with 20 Ga reinforced shaft  
Malleable tip

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



Bailey Lacrimal Cannula

Straight  
23 Ga cannula with 20 Ga reinforced shaft

- 15-031      23 Ga × 15 mm      **POPULAR**



Shahinian Lacrimal Cannula

Smooth bullet shape tip

- 15-032      25 Ga × 35 mm



Fasanella Lacrimal Cannula

Gently curved

- 15-033      23 Ga × 42 mm      **POPULAR**



Anel Lacrimal Cannulas

Special long mount blunt tip  
Straight

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



Anel Lacrimal Cannulas

Special long mount blunt tip  
Curved

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

ACCESSORIES

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



Silicone Bulb with Adapter  
15-301/303

**MOST  
POPULAR**



Titanium Microsurgical Handle

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

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

MISCELLANEOUS

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



Pterygium Remover



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

**MOST  
POPULAR**

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



**POPULAR**

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



16-050-5.0 With a 5.00 mm



Rust Rings Remover

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

16-140 With a 1.00 mm Burr



16-141 With a 0.50 mm Burr



ALGERBRUSH REPLACEMENT BURRS\*

Pterygium Remover Replacement  
Burrs with Chuck

1 per box, reusable, non-sterile

**POPULAR**

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



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



**MOST  
POPULAR**

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



Rust Rings Remover  
Replacement Burrs

5 per box, reusable, non-sterile

**POPULAR**

16-142B Tungsten Burr, 1.00 mm



16-143B Tungsten Burr, 0.50 mm



\*Not available in Canada

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

DISPOSABLE ELECTRIC EYE CAUTERIES

Electric Eye Cautery

Battery operated  
Low temperature

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

STERILE

2

10  
PER  
BOX



FIXATION RINGS

Fine-Thornton  
Phaco Fixation Ring

3/4 open ring with swivel  
Titanium

13.00 mm diameter ring with teeth  
Overall length 96 mm

16-036T **POPULAR**

14.00 mm diameter ring with teeth  
Overall length 98 mm

16-0341T

16-036S  
SS



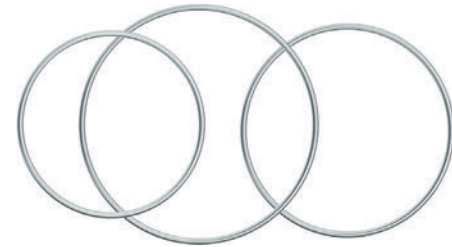
FLIERINGA RINGS

Flieringa Rings

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

Stainless Steel

- 16-030-14 (14.00 mm)
- 16-030-15 (15.00 mm)
- 16-030-16 (16.00 mm)



- 16-030-17 (17.00 mm)
- 16-030-18 (18.00 mm)
- 16-030-19 (19.00 mm)

- 16-030-20 (20.00 mm)
- 16-030-21 (21.00 mm)
- 16-030-22 (22.00 mm)
- 16-030-24 (24.00 mm)

INJECTORS

Injector for Capsular Ring with  
Irrigation

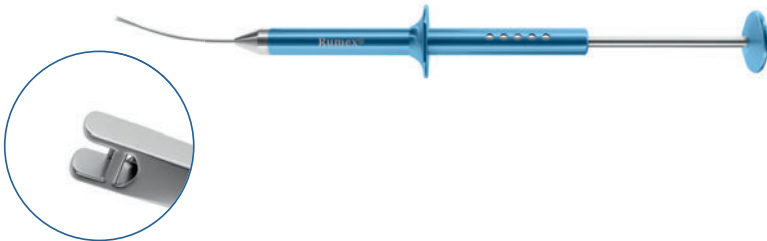
Designed for one-hand implantation of the  
capsular tension rings with diameters of 10,  
11 and 12 mm.

Allows to implant the capsular tension ring  
clockwise and counter-clockwise.

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

Overall length 162 mm

16-253



IOL Injector

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

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

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

ECCE  
p.152

PHACO  
p.151



\*Not available in US, Japan, Germany, Switzerland

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

## IOL Injector

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

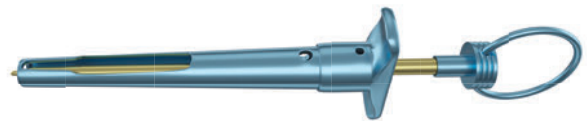
16-2807\* For D cartridge



## IOL Injector NaviJect™

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

16-2853\*



## LENS LOOPS

Wilder  
Lens Loop

4.00 mm width  
Overall length 134 mm

16-072 **MOST POPULAR**



16-072S  
SS

## LID PLATES

Lid Plate

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

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



OCULOPLASTIC p.165  
LID p.163

## PUNCHES & RONGEURS

Belz  
Lacrimal Sac Rongeur

Polished finish  
Overall length 185 mm  
Stainless Steel

16-138



LACRIMAL p.162

Kerrison  
Rongeur

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

16-136 size 0



LACRIMAL p.162

\*Not available in US, Japan, Germany, Switzerland

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

16 - MISCELLANEOUS

RUMEX Corneoscleral Punch

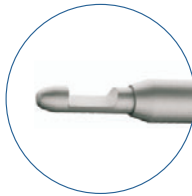
Set of Stainless Steel tips:  
0.50 mm, 0.75 mm, 1.00 mm, 1.50 mm  
Titanium handle  
Overall length 122 mm  
16-010



Used to perform a sclerectomy at the corneoscleral junction.  
Standard spring mechanism for precise control  
360° rotatable tip for convenient positioning  
No need to hold the scleral flap

Micro Trabeculectomy Punch

0.60 mm diameter head  
Bullet-shaped tip  
0.30 mm × 0.60 mm deep bite  
Compatible with Squeeze Handle 12-003T  
Tip only  
16-0111\* 20 Ga

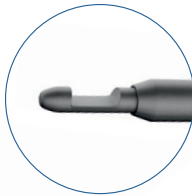


GLAUCOMA  
p.159

16-0111S  
SS

Kelly  
Descemet's Membrane Punch

Stainless Steel tip  
Serrated squeeze action Titanium handle  
Overall length 131 mm  
16-011 **MOST POPULAR**



SCLERAL DEPRESSORS

Flynn  
Scleral Depressor

Loop style tip for depressing pediatric sclera  
Overall length 100 mm  
16-115 **MOST POPULAR**



Schocket  
Double-Ended Scleral Depressor

With pocket clip  
Overall length 143 mm  
16-111 Titanium Handle/Stainless Steel tips (shown)  
16-111S Stainless Steel **MOST POPULAR**



16-111S  
SS

SPOONS & CURETTES

Bunge  
Evisceration Spoon

Small size  
Overall length 137 mm  
16-061  
Large size  
Overall length 141 mm  
16-062



ENUCLEATION  
p.168

Meyerhoefer  
Chalazion Curette

Overall length 135 mm  
16-063 size 0 (1.50 mm) **POPULAR**  
16-064 size 1 (1.75 mm) **POPULAR**  
16-065 size 2 (2.00 mm) **MOST POPULAR**  
16-066 size 3 (2.50 mm) **POPULAR**  
16-067 size 4 (3.50 mm) **POPULAR**



CHALAZION  
p.165

16-063S  
SS

16-064S  
SS

16-065S  
SS

16-066S  
SS

16-067S  
SS



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

Wells  
Enucleation Spoon

Overall length 145 mm  
16-060



ENUCLEATION  
p.168

SURGICAL MALLETS & CHISELS

Surgical Chisel

3.00 mm  
Overall length 136 mm  
Stainless Steel

16-137



Surgical Mallet

Polished finish  
Overall length 177 mm  
Stainless Steel

16-135



LACRIMAL  
p.162

NASAL SPECULUMS

Nasal Speculum

Adult size  
Polished finish  
Stainless Steel  
Overall length 150 mm

16-127



LACRIMAL  
p.162

TRABECULOTOMES

Harms

Trabeculotome

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

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



GLAUCOMA  
p.159

TREPHINES

Corneal Trephine Blades

Polished finish  
Stainless Steel

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

POPULAR

POPULAR

POPULAR



TUNNEL MAKERS

Tunnel Maker

ID 4.40 mm/ED 5.60 mm  
Stainless Steel

16-173S Left  
16-174S Right



ICRS  
p.158

PERIOSTEAL ELEVATORS

Tenzel Periosteal Elevator

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



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

16-139

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

STERILIZATION TRAYS

Size Chart

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

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

## PLASTIC TRAYS

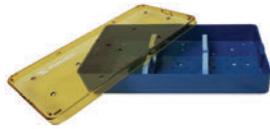
RUMEX plastic trays are molded from General Electric's ULTEM® resin, using mold flow analysis to guarantee product strength, structural integrity, and extended life cycle. Trays come either with silicone finger tip mat or plug-in inserts.



### 18-300 **POPULAR**

Silicone inserts  
for 1 instrument

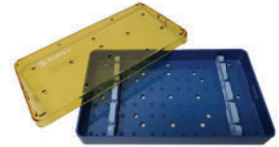
190×101×38 mm  
7.5×4×1.5 in



### 18-303-1

Silicone inserts  
for 4 instruments

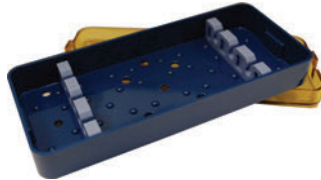
190×101×19 mm  
7.5×4×0.75 in



### 18-305-1

Silicone inserts  
for 3 instruments

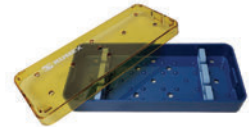
254×152.4×38 mm  
10×6×1.5 in



### 18-301-1 **POPULAR**

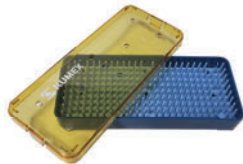
Silicone inserts  
for 2 instruments

152×63.5×19 mm  
6×2.5×0.75 in



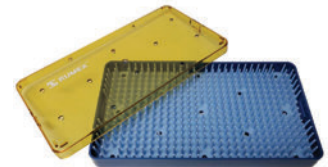
### 18-301 **MOST POPULAR**

152×63.5×19 mm  
6×2.5×1.5 in



### 18-300-1

190×101×38 mm  
7.5×4×1.5 in



### 18-308 **MOST POPULAR**

190.5×63.5×19 mm  
7.5×2.5×0.75 in



### 18-302 **MOST POPULAR**

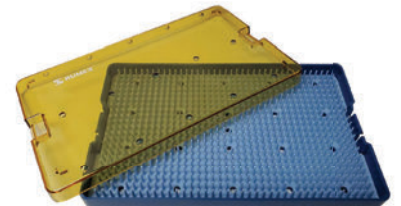
165×101×19 mm  
6.5×4×0.75 in

### 18-303 **MOST POPULAR**

190×101×19 mm  
7.5×4×0.75 in

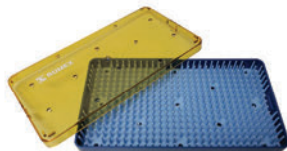
### 18-304 **MOST POPULAR**

254×152×19 mm  
10×6×0.75 in



### 18-303

190×101×19 mm  
7.5×4×0.75 in



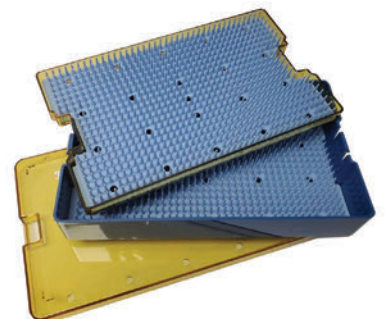
### 18-307 **POPULAR**

68.6×38×25.4 mm  
3×1.5×1 in



### 18-305 **MOST POPULAR**

Double Level  
254×152×38 mm  
10×6×1.5 in



18 - STERILIZATION TRAYS

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. Trays come with silicone finger tip mat.



18-319  
155×65×20 mm  
6×2.5×0.8 in

18-320  
155×65×40 mm  
6×2.5×1.5 in

18-321  
200×65×20 mm  
2.5×7.75×0.8 in

18-322  
200×110×20 mm  
7.75×4.25×0.8 in

18-323  
200×110×40 mm  
7.75×4.25×1.5 in

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

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

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

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

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

18-331  
215×165×20 mm  
8.5×6.5×0.8 in

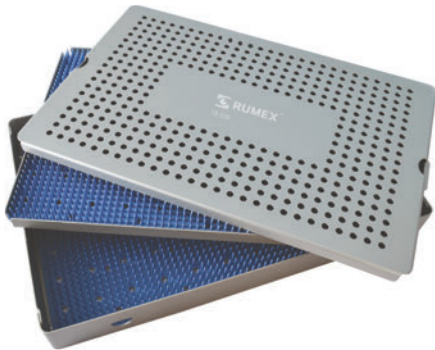
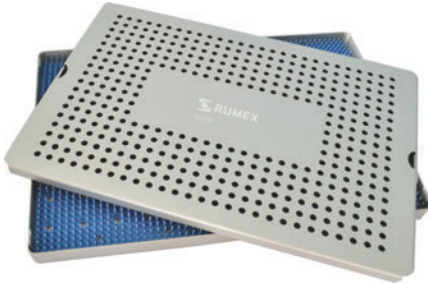
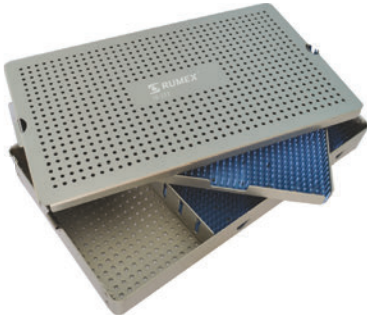
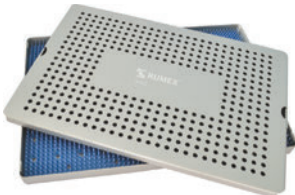
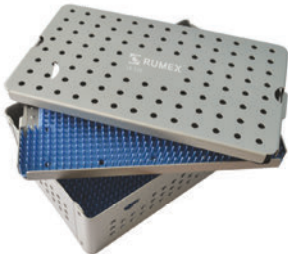
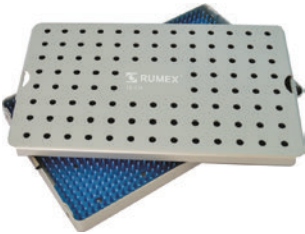
18-332  
310×235×20 mm  
12.25×9.25×0.8 in

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

18-334  
390×265×20 mm  
15.5×10.5×0.8 in

18-335  
390×265×40 mm  
15.5×10.5×1.5 in

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



STAINLESS STEEL TRAYS

18-318  
With silicone mat, double level  
240×240×60 mm  
9.5×9.5×2.5 in

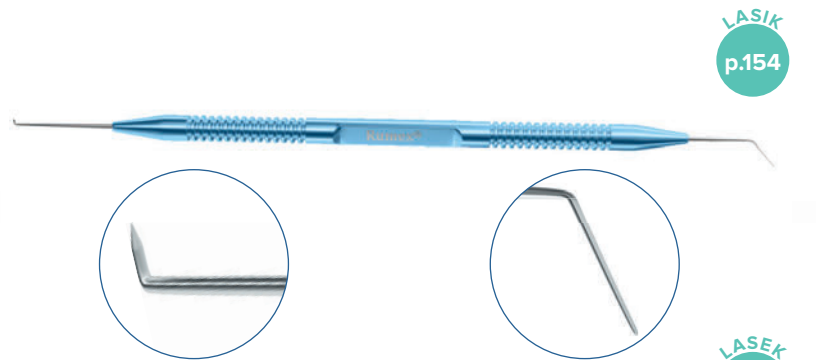
Product design and/or features that do not influence its functionality and main parameters are subject to change

# LASEK/LASIK INSTRUMENTS

## SPATULAS

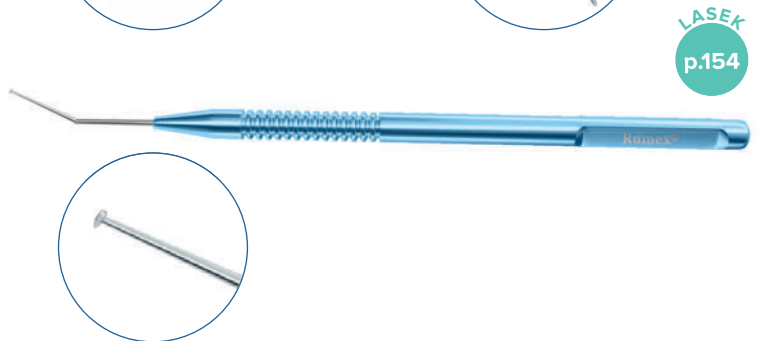
### LASIK Spatula and Flap Retreatment Instrument

Double-ended  
Overall length 133 mm  
20-013



### LASEK Epithelial Micro Hoe

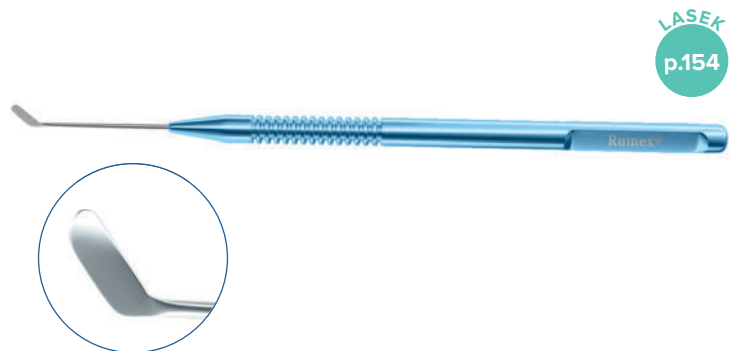
Can be used to detach edge of the epithelium flap.  
Overall length 120 mm  
20-131



### LASEK Knife

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

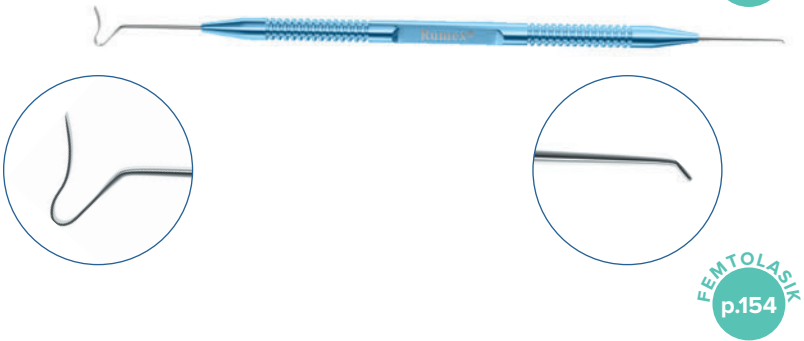
20-0011 **POPULAR**



SPATULAS

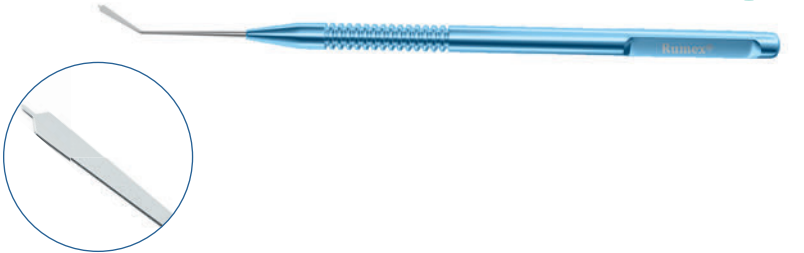
FemtoLASIK Flap Spatula

Double-ended  
A delicate pick and a curved spatula to open and manipulate the flap  
Overall length 128 mm  
20-201



FemtoLASIK 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

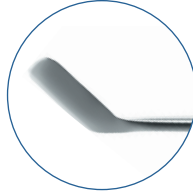


## EPITHELIUM REMOVAL KNIVES

### Hockey Knife

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

20-001 **POPULAR**



LASIK  
p.154

20-001s  
SS

### Lindstrom LASIK/PRK Spatula and Epithelium Removal Board

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

20-002



LASIK  
p.154

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

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



### LASEK Trephine & Funnel

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

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



LASEK  
p.154

**DON'T FORGET  
TO BUY**

## MARKING PENS

### Disposable Marking Pen

Double-ended

20-050



**STERILE**

**2**

**10  
PER  
BOX**

**MOST  
POPULAR**

Best-selling item

**POPULAR**

SKU preferred by the majority of customers

**NEW**

Recently introduced into the product range of RUMEX International Co.

**COMING  
SOON**

This item will be available in RUMEX range soon



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

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A VARIETY OF OPTIONS FOR VITREORETINAL SURGERY	128
FEATURED PRODUCTS	129
VITREORETINAL INSTRUMENT TIPS	130
HANDLES FOR VITREORETINAL INSTRUMENTS	131
SCISSORS	132
INTERNAL LIMITING MEMBRANE (ILM) FORCEPS	133
EPIRETINAL FORCEPS	134
PICK FORCEPS	135
FOREIGN BODY REMOVAL FORCEPS	135
MEMBRANE INSTRUMENTS	136
23 GAUGE INSTRUMENTS	137
25 GAUGE INSTRUMENTS	138
27 GAUGE INSTRUMENTS	138
ONE-PIECE VITREORETINAL INSTRUMENTS WITH FLUSHING SYSTEM	139
REUSABLE TWO STEP TROCAR SYSTEMS	140
DISPOSABLE ONE-PIECE STAINLESS STEEL INSTRUMENTS	141
DISPOSABLE INSTRUMENTS WITH PLASTIC HANDLE	142
DISPOSABLE DIAMOND DUSTED RETRACTABLE ILM ELEVATORS	142
DISPOSABLE ONE STEP TROCAR SYSTEMS	143
BACKFLUSH INSTRUMENTS	144
VITREORETINAL CANNULAS	145
SILICONE OIL	146
SILICONE OIL INFUSION SYSTEMS	147

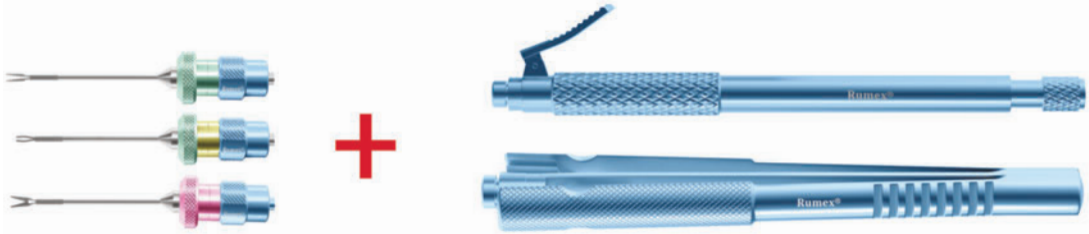
# A VARIETY OF OPTIONS FOR VITREORETINAL SURGERY

## REUSABLE

### Option 1. Two-Piece Instruments

Universal Handle + Interchangeable Tips\*

Money-Wise  
Solution



EASY  
TO CLEAN

\*completely detachable for most effective cleaning

### Option 2. One-Piece Instruments

with Innovative RUMEX Flushing System\*\*

Flushing port

Flushing cannula



\*\*easy cleaning without disassembling

## DISPOSABLE

READY  
FOR USE

### Option 1. All Stainless Steel Instruments\*

Precise performance and instant tactile control

STERILE

2

6  
PER  
BOX

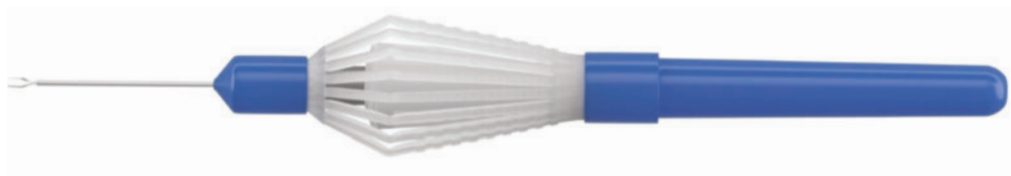
SHELF LIFE  
3 YEARS



### Option 2. Ergonomic 360-Degree Handle\*\*

Enhanced utility due to rotatable squeeze handle

SHELF LIFE  
5 YEARS



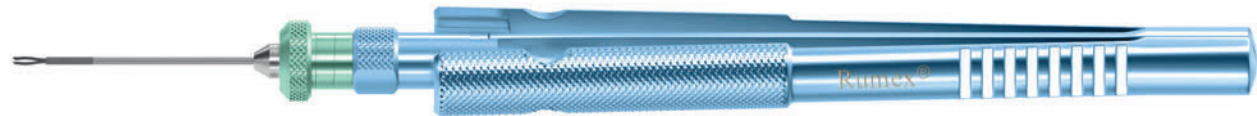
\*Not available in US

\*\*Not available in Europe, US

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

FEATURED PRODUCTS

Universal End-Grasping Forceps with Asymmetrical Branches

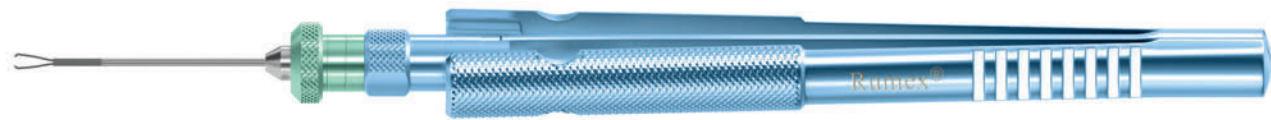


Universal End-Grasping Forceps allow the performing of ILM peeling and safe removal of epiretinal membranes. Asymmetrical design of branches provides for ideal maneuverability and excellent visualization of the grasped tissue.



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

End-Grasping Forceps

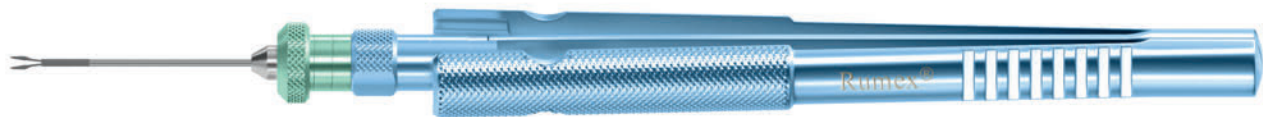


The special design of the tips promotes delicate, precise and safe ILM peeling. The strengthened jaws ensure enhanced gripping power. Expanded space between branches contributes to greater visualization of the grasped membrane in the macular area.



12-4013	23 Ga	<b>MOST POPULAR</b>
Tip only		

Gripping Forceps with a ‘Crocodile’ Platform



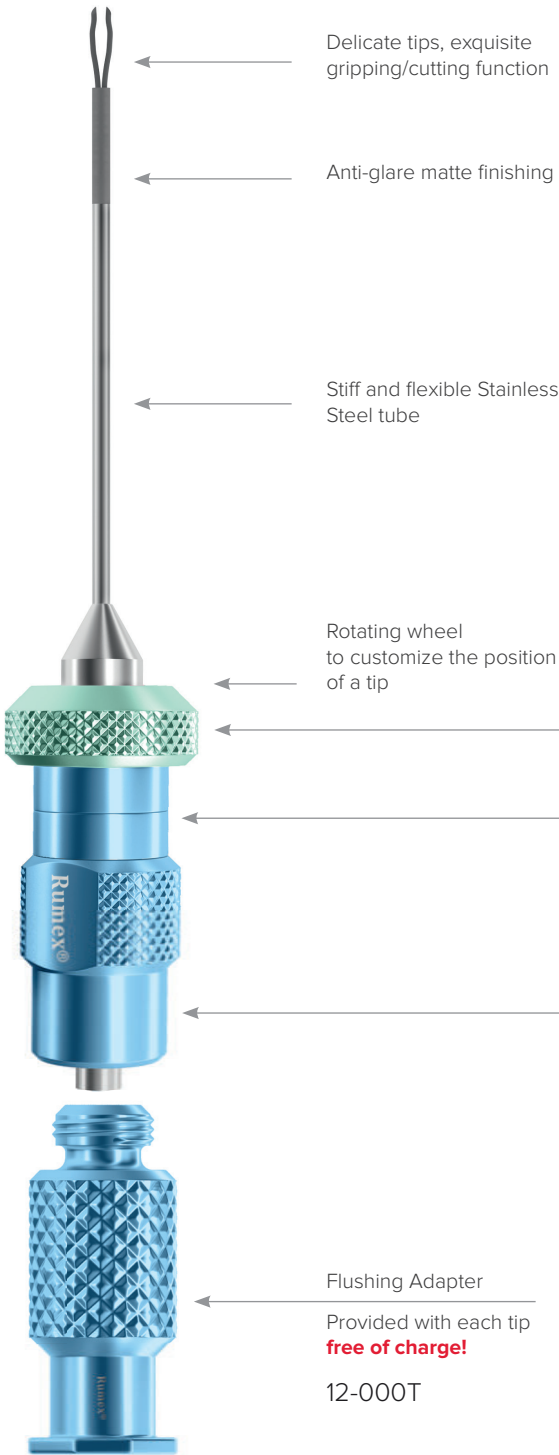
Designed for the removal of epiretinal membranes. Blunt, atraumatic serration intensifies grasping capacity and prevents tissue shredding.



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

## VITREORETINAL INSTRUMENT TIPS: GAUGE CONVERSION CHART, COLOR CODE SYSTEM

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



Gauge Conversion Chart		
Gauge	(inch)	(mm)
19 Ga	0.043	1.10
20 Ga	0.036	0.90
21 Ga	0.032	0.80
22 Ga	0.028	0.70
23 Ga	0.025	0.63
25 Ga	0.020	0.50
27 Ga	0.016	0.40

Color Code System\*\*

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

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

Manual Cleaning

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

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



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

## HANDLES FOR VITREORETINAL INSTRUMENTS\*

RUMEX International Co is pleased to provide you with two models of Universal Handles that can be used with interchangeable tips.\*

- Made of Titanium
- Corrosion resistant
- Can be used with tips of any gauge 20/23/25/27 (and other gauges)

12-003S  
SS

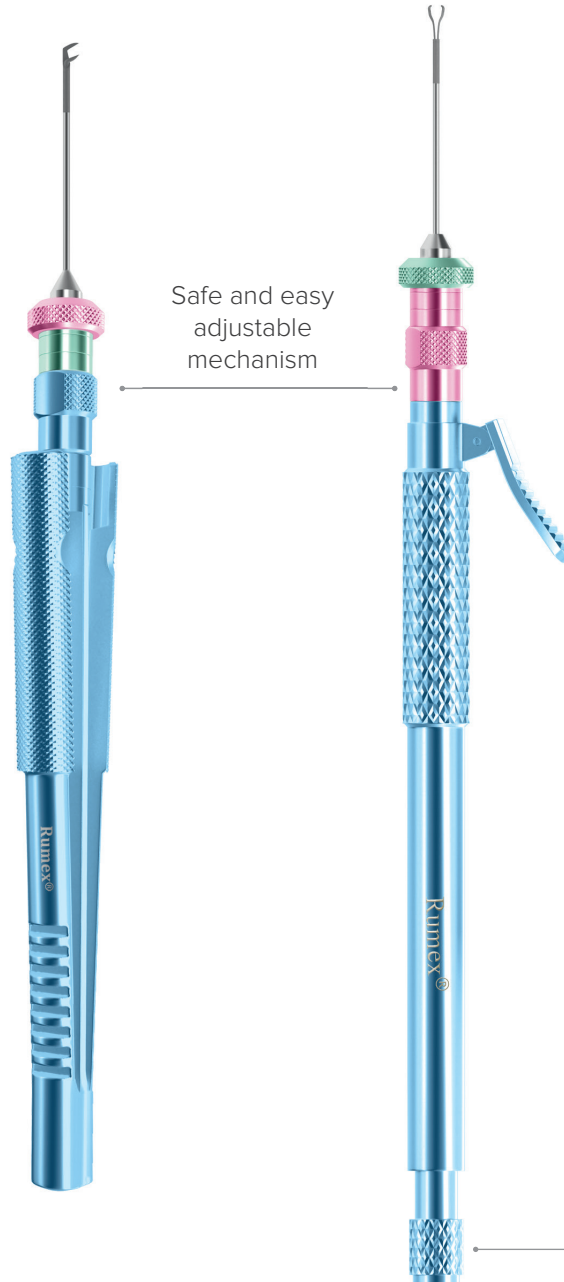
### Ergonomic Model

Two Fingers Control  
Squeeze Handle

12-003T

**MOST  
POPULAR**

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



### Classic Model

One Finger Control  
Handle

12-001T

**MOST  
POPULAR**

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

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

\*Tips are sold separately!

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

SCISSORS\*

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



COMPATIBLE  
WITH 12-003T ONLY

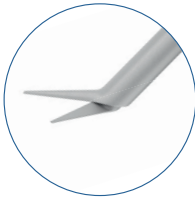


Vertical Scissors

70°  
Sharp tips

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

MOST  
POPULAR



Horizontal Scissors

55°  
12-206\*\*      20 Ga



Klaus Lucke  
Retinotomy Scissors

With bulbous tip  
12-2020      20 Ga



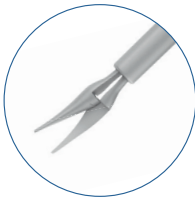
Horizontal Scissors

Angled  
45°  
Short blades (1.70 mm  
in the closed position)  
12-2085      20 Ga



Vertical Scissors

45°  
12-2029      25 Ga



Curved Subretinal  
Scissors

Curvature radius 12.00 mm  
12-209      20 Ga  
12-209-23    23 Ga  
12-2099      25 Ga



MOST  
POPULAR



Straight Scissors

Blunt tips  
12-211      20 Ga



Horizontal Scissors

Angled  
45°  
With illumination  
12-2084      20 Ga



Side Curved  
Scissors

12-215      20 Ga

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

INTERNAL LIMITING MEMBRANE (ILM) FORCEPS

Delicate branches for ILM peeling



ILM



Asymmetrical End-Grasping Forceps

Standard tube, 28.00 mm

- |           |       |                |
|-----------|-------|----------------|
| 12-420-23 | 23 Ga | <b>POPULAR</b> |
| 12-420-25 | 25 Ga | <b>POPULAR</b> |
| 12-420-27 | 27 Ga |                |

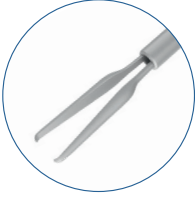
Designed for myopic eyes.  
Elongated tube, 30.00 mm

12-4202-23 23 Ga

Enhanced visualization!



ILM



Eckardt End-Gripping Forceps

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

**MOST  
POPULAR**

ILM



Tano Asymmetrical End-Gripping Forceps

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

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

ILM



End-Grasping Forceps

Expanded space between branches

- |         |       |                         |
|---------|-------|-------------------------|
| 12-4013 | 23 Ga | <b>MOST<br/>POPULAR</b> |
|---------|-------|-------------------------|

Enhanced visualization!



Tanaka Maculorhexis Forceps

- |        |       |
|--------|-------|
| 12-414 | 23 Ga |
|--------|-------|

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



Kawai ILM Forceps


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

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



EPIRETINAL FORCEPS\*

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





**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

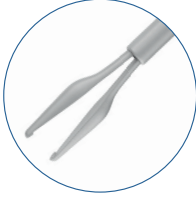
12-400	20 Ga
--------	-------



**ERM**

**Lucke Multipurpose Forceps**


12-3044	20 Ga
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**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.

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

PICK FORCEPS\*



Pick Forceps

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



**MOST  
POPULAR  
POPULAR**



Diamonized  
Angled Gripping  
Forceps

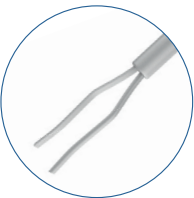
12-303 20 Ga



De Juan  
Pick Forceps

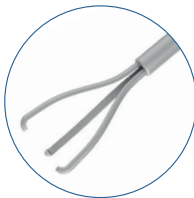
12-413 20 Ga

FOREIGN BODY REMOVAL FORCEPS\*



Avci Foreign  
Body Forceps

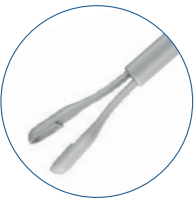
12-412\*\*\* 17 Ga



Spring Gripping  
Forceps

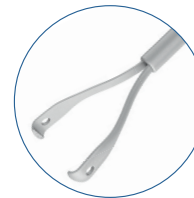
12-321\*\* 20 Ga  
12-321-23\*\*\* 23 Ga

**POPULAR**



Vitreoretinal  
Forceps

With cup jaws  
12-313\*\* 20 Ga



Stolyarenko  
Forceps

For large foreign bodies  
12-335\*\* 20 Ga


**POPULAR**

\*Tip only. Handles are sold separately.

\*\* Compatible with Universal Handle 12-001T only

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

## MEMBRANE INSTRUMENTS




**Delicate Membrane Pick**

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

**MOST POPULAR**

Unique geometry of the tip for maximal effectiveness and minimal shredding of the tissue

Jut on the handle identifies the tip orientation



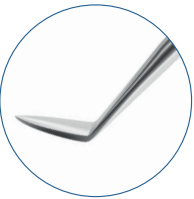
**Membrane Scratcher**

13-092	20 Ga
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Flat, thin instrument to remove tissue and fine membranes from retinal surface in early stages of PVR


Useful for cleaning residual ERM or ILM

Great for lifting of large membrane edges without shredding



**Ogura PVD Spatula**

13-1081-23	23 Ga
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**BRVO Knife**

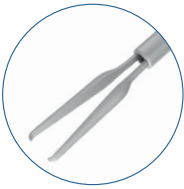
Designed for performing a lateral CRVO incision.

13-1091-23	23 Ga
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## 23 GAUGE INSTRUMENTS\*



## ILM



Eckardt End-Gripping Forceps

12-410-23 23 Ga

**MOST  
POPULAR**

Tano Asymmetrical End-Gripping Forceps

12-411-23 23 Ga

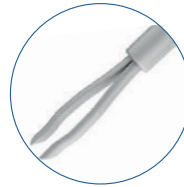


Asymmetrical End-Grasping Forceps

12-420-23 23 Ga

**POPULAR**

Enhanced visualization!

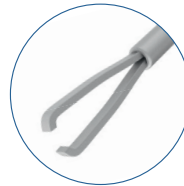


Asymmetrical End-Grasping Forceps

Designed for myopic eyes.  
Elongated tube, 30.00 mm

12-4202-23 23 Ga

Enhanced visualization!



End-Grasping Forceps

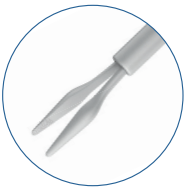
Expanded space  
between branches

12-4013 23 Ga

Enhanced visualization!

**MOST  
POPULAR**

## ERM



Gripping Forceps

With a sandblasted  
platform

12-301-23 23 Ga

**MOST  
POPULAR**

Vertical Scissors

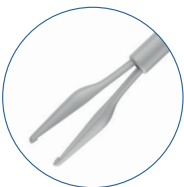
70°  
Sharp tips

12-202-23 23 Ga

**MOST  
POPULAR**

Pick Forceps

12-325-23 23 Ga

**MOST  
POPULAR**

End-Gripping Forceps

With extended gripping area  
at the end of the tip

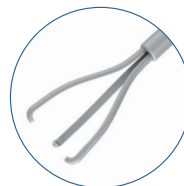
12-4012 23 Ga



Gripping Forceps

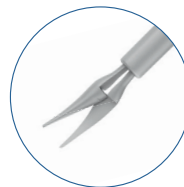
With a "crocodile" platform

12-304-23 23 Ga

**MOST  
POPULAR**

Spring Gripping Forceps

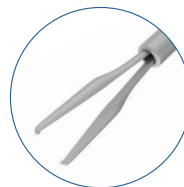
12-321-23 23 Ga

**POPULAR**

Curved Subretinal Scissors

Curvature radius 12.00 mm

12-209-23 23 Ga

**MOST  
POPULAR**

End-Gripping Forceps

With nail-shaped jaws

12-402-23 23 Ga

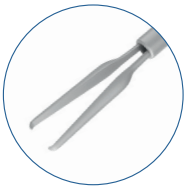
**POPULAR**

\*Tip only. Handles are sold separately.

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

25 GAUGE INSTRUMENTS\*

ILM



Eckardt End-Gripping Forceps

12-410-25 25 Ga

**MOST POPULAR**



Tano Asymmetrical End-Gripping Forceps

12-411-25 25 Ga



Asymmetrical End-Grasping Forceps

12-420-25 25 Ga

**POPULAR**

Enhanced visualization!

ERM



Gripping Forceps

With a sandblasted platform

12-3019 25 Ga



Gripping Forceps

With a "crocodile" platform

12-304-25 25 Ga

**MOST POPULAR**



Vertical Scissors

45°  
Sharp tips

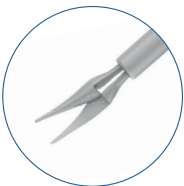
12-2029 25 Ga



Pick Forceps

12-3259 25 Ga

**POPULAR**



Curved Subretinal Scissors

Curvature radius 12 mm

12-2099 25 Ga

**MOST POPULAR**



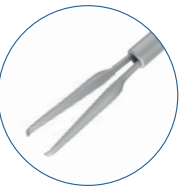
End-Gripping Forceps

With nail-shaped jaws

12-4089 25 Ga

27 GAUGE INSTRUMENTS\*

ILM



Eckardt End-Gripping Forceps

12-410-27 27 Ga



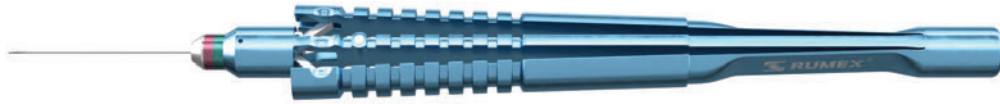
Asymmetrical End-Grasping Forceps

12-420-27 27 Ga

Enhanced visualization!

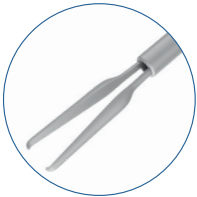
\*Tip only. Handles are sold separately.  
Product design and/or features that do not influence its functionality and main parameters are subject to change

## ONE-PIECE VITREORETINAL INSTRUMENTS WITH FLUSHING SYSTEM

**NEW**

The tip can be easily cleaned without disassembling.

**Special flushing cannula is provided for free!**

**ILM**

### Eckardt End-Gripping Forceps

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



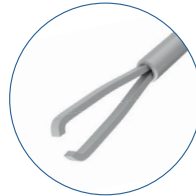
### Asymmetrical End-Gripping Forceps

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



### Tano Asymmetrical End-Gripping Forceps

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



### End-Gripping Forceps

Expanded space  
between branches

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

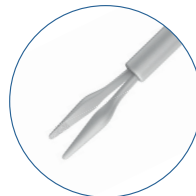
Enhanced visualization!

**ERM**

### Gripping Forceps

With a "crocodile" platform

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



### Gripping Forceps

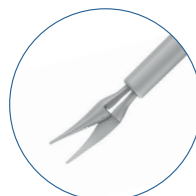
With a sandblasted platform

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



### Pick Forceps

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



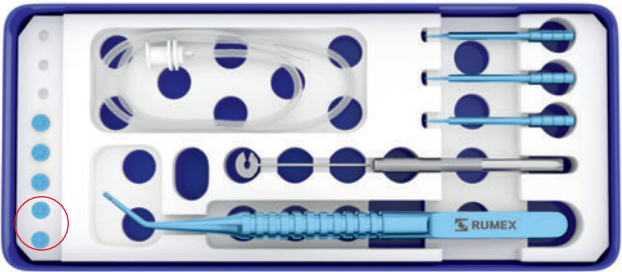
### Curved Subretinal Scissors

Curvature radius 12.00 mm

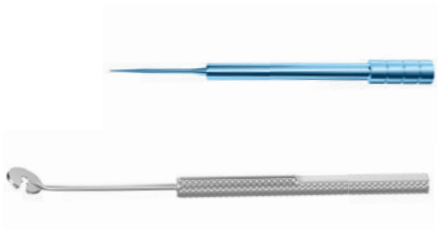
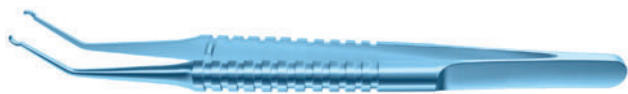
12-209-23H 23 Ga  
12-209-25H 25 Ga



## REUSABLE TWO STEP TROCAR SYSTEMS



2 extra cannulas



### Reusable Trocar System with Closure Valves

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

12-5173-23	23 Ga ●
12-5173-25	25 Ga ●

### Loading Forceps

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

### Instrument Cannula Inserter

12-5187	23 Ga
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### Fixation Plate

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

### MVR Knives

Multifacet blade

Straight	Angled
VRS-19 - 19 Ga	VRA-19 - 19 Ga
VRS-20 - 20 Ga	VRA-20 - 20 Ga
VRS-23 - 23 Ga	VRA-23 - 23 Ga



### Scleral Plugs Forceps

Cross-action mechanism reduces hand fatigue.

12-5086S	20 Ga
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### Watzke Sleeve Spreading Forceps

Used to stretch the silicone sleeve placed around the eyeball.

Serrated tips aid in gripping the sleeve and allow for adjustable traction.

4-2201T

DISPOSABLE ONE-PIECE STAINLESS  
STEEL INSTRUMENTS\*

STERILE 2 6 PER BOX

All stainless steel disposable instruments in 23 and 25 Ga are designed for precise manipulations during posterior segment surgeries.  
The instruments are supplied sterile in a box of 6.



ILM



Eckardt End-Gripping  
Forceps

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

ERM



Gripping Forceps  
With a "crocodile" platform

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

ILM



Asymmetrical End-  
Grasping Forceps

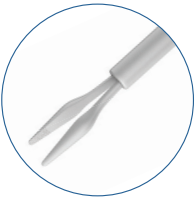
12-420-23D 23 Ga  
12-420-25D 25 Ga

Pick Forceps



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

ERM



Gripping Forceps

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

Curved Scissors



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

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

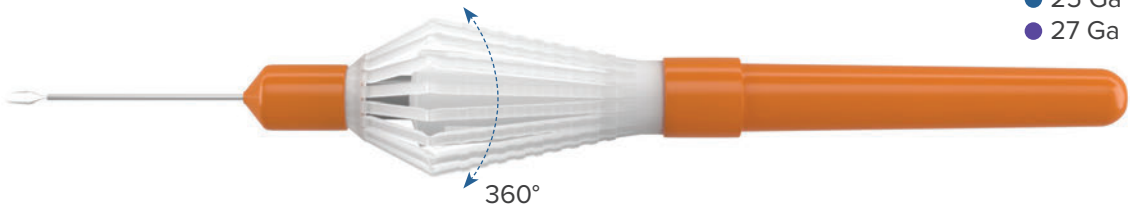
DISPOSABLE INSTRUMENTS WITH PLASTIC HANDLE\*

STERILE 2 6 PER BOX

NEW

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

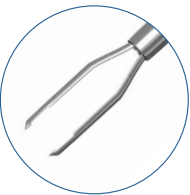
- 23 Ga
- 25 Ga
- 27 Ga



ILM

Eckardt End-Gripping Forceps

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

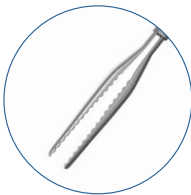


ERM

Gripping Forceps

With a "crocodile" platform

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



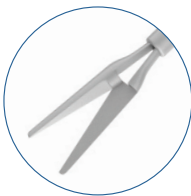
Curved Scissors

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



Straight Scissors

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



Vertical Scissors

- 45°
- 12-202-23DP 23 Ga
- 12-202-25DP 25 Ga



DISPOSABLE DIAMOND DUSTED RETRACTABLE ILM ELEVATORS\*\*

STERILE 2 5 PER BOX

NEW

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

Diamond dusted soft silicone tip provides an extreme grip

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



- 12-7523 23 Ga
- 12-7525 25 Ga



\*Not available in the US and Europe

\*\* Not available in Europe

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

## DISPOSABLE ONE STEP TROCAR SYSTEMS\*

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

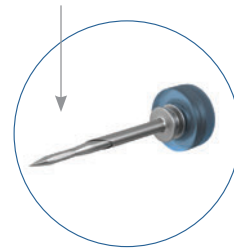
Each set includes:

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

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

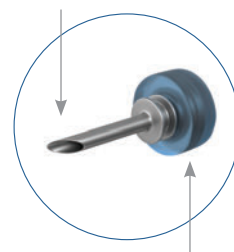
### Sharp MVR Blade

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



### Trocar Cannula

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



### Silicone Closure Valves

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

### Trocar Cannula Inserter

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

### Universal Infusion Line for BSS



\*Not available in Europe

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

BACKFLUSH HANDLES AND RESERVOIRS



Reusable Backflush Handle

Titanium

MOST  
POPULAR

12-6000  
12-6010

Active aspiration  
Passive aspiration



STERILE

2

5  
PER  
BOX

Disposable Replacement  
Reservoir for Backflush Handle\*

12-5159  
12-5147

Active aspiration  
Passive aspiration



DISPOSABLE BACKFLUSH INSTRUMENTS\*

STERILE

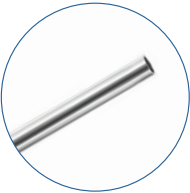
2

6  
PER  
BOX

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

NEW

- 23 Ga
- 25 Ga
- 27 Ga



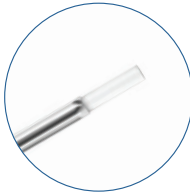
with **Blunt Tip**

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



with **Silicone Brush Tip**

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



with **Silicone Soft Tip**

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

\*Not available in Europe

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

## VITREORETINAL CANNULAS

### Disposable Backflush Cannulas\*

STERILE

2

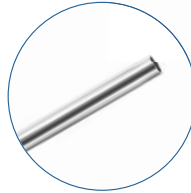
5  
PER  
BOX

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

#### Charles Flute Cannulas

Designed to aspirate blood and debris from the posterior segment. Smooth, finished tip provides atraumatic entry and reduces risk of trauma to surrounding tissue.

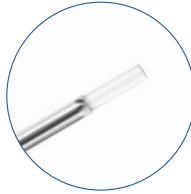
12-5164	23 Ga x 34 mm
12-5156	25 Ga x 34 mm
12-5492	27 Ga x 34 mm



#### Soft Tip Cannulas

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

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



#### Brush Tip Cannulas

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

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



STERILE

2

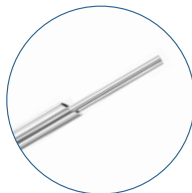
5  
PER  
BOX

### Dual Bore Cannulas\*

#### Dual Bore PFC Cannulas

Simultaneous infusion of heavy liquids and aspiration of intraocular fluids.

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



\*Not available in Europe

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

## SILICONE OIL

### Smartsil 1000/5000\*

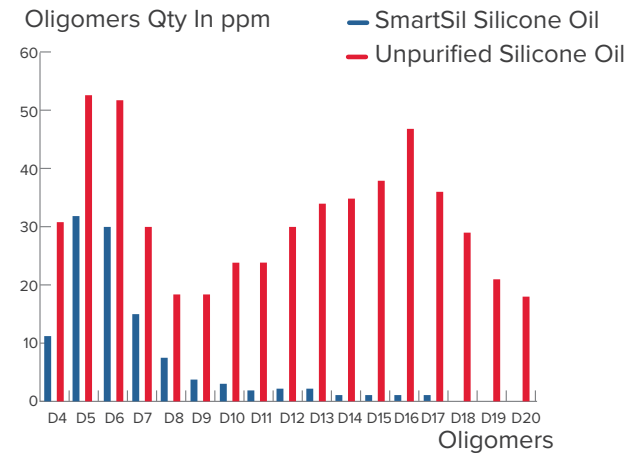
Purified Silicone Oil for Vitreoretinal Surgery

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

#### Physico-chemical properties

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

#### GC



Silicone Oil Infusion System  
is sold separately



#### Purification

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

#### Indication

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

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

\*Not available in the US

\*To be used with Silicone Oil Infusion System

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

SILICONE OIL INFUSION SYSTEMS

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



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



Disposable Viscous Fluid Injection Cannulas\*

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

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



Infusion Cannula

Reusable Infusion Cannula

Self-retaining hub of 6.00 mm

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

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

**MOST  
POPULAR**

Best-selling item

**POPULAR**

SKU preferred by the majority of customers

**NEW**

Recently introduced into the product range of RUMEX International Co.

**COMING  
SOON**

This item will be available in RUMEX range soon



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



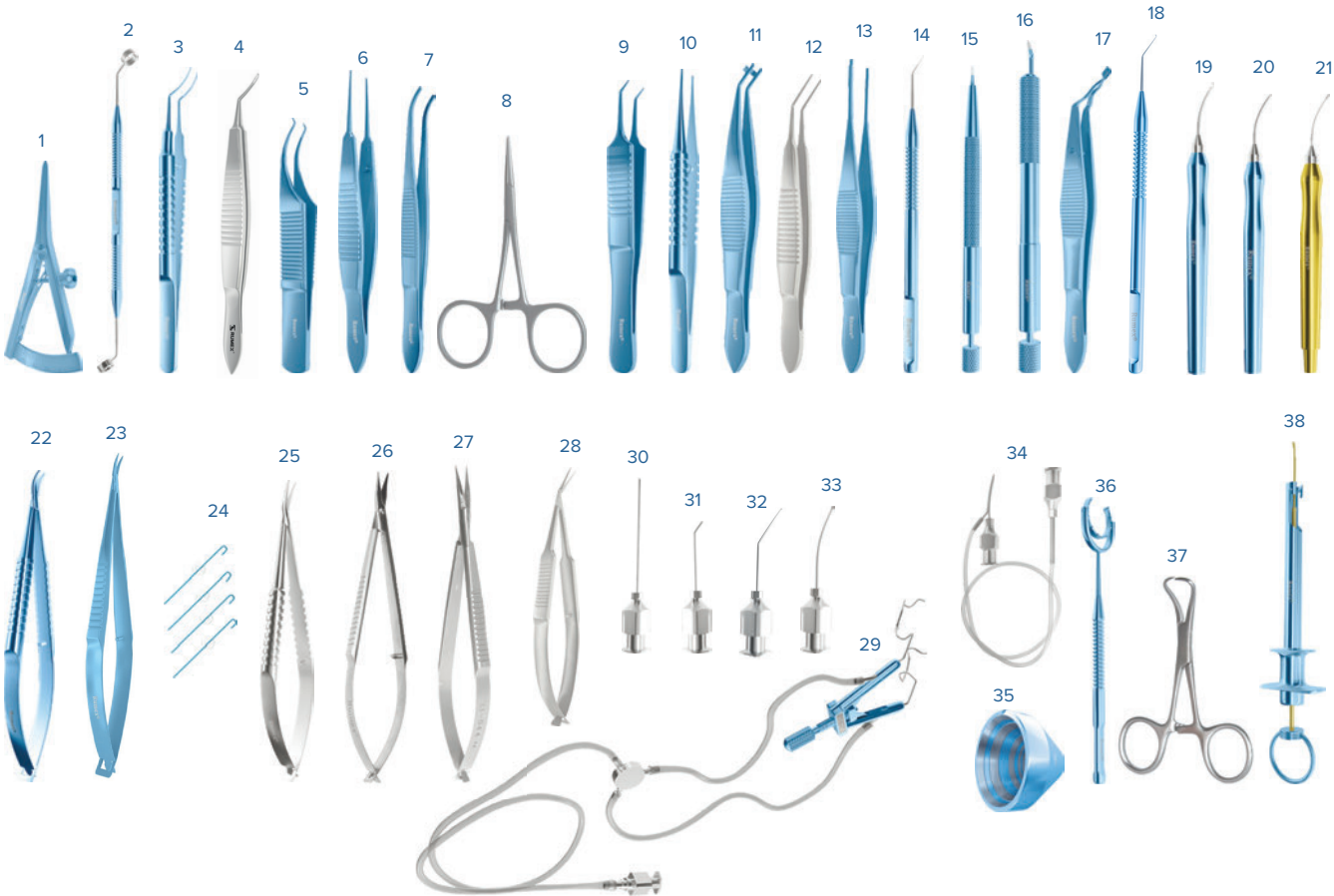
Quantity in the box

# FEATURED SETS

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CATARACT SURGERY	150
REFRACTIVE SURGERY	154
CORNEAL SURGERY	156
GLAUCOMA SURGERY	159
PTERYGIUM SURGERY	160
CHALAZION SURGERY	161
LACRIMAL SURGERY	162
LID SURGERY	163
MUSCLE SURGERY	164
OCULOPLASTIC SURGERY	165
VITREORETINAL SURGERY	167

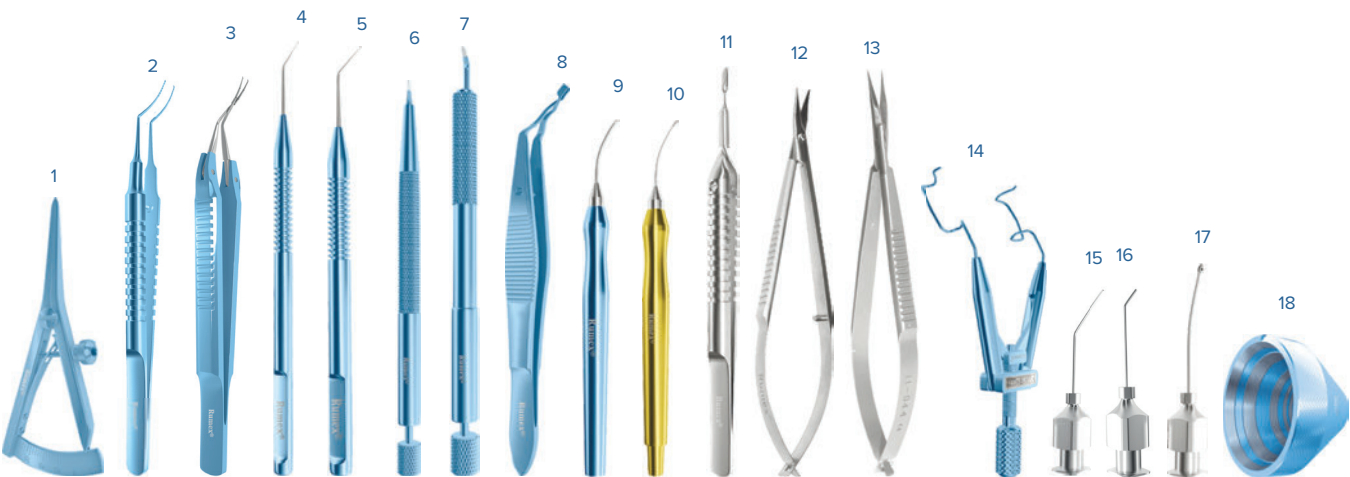
PHACOEMULSIFICATION SET



Reference	Key	Description	Page	Reference	Key	Description	Page
2-010T	1	Castroviejo Caliper	37	7-081	20	Irrigation Handpiece for Bimanual Technique, 21 Ga	81
3-040	2	Whipple Capsulorhexis Centration Marker	39	7-0821	21	Aspiration Handpiece for Bimanual Technique, 22 Ga	82
4-03315T	3	Utrata Capsulorhexis Forceps, Cystotome Tips, with Scale	48	8-031T	22	Barraquer Needle Holder, Standard Jaws, without Lock	83
4-032S	4	Small-incision Capsulorhexis Forceps with Limiter	45	8-096T	23	Castroviejo Needle Holder, Delicate Jaws, without Lock	83
4-050T	5	Colibri Corneal Forceps	54	10-5016-1	24	Disposable Iris Retractors, 1 Pack of 4 pcs	87
4-0600T	6	Castroviejo Suturing Forceps	57	11-034S	25	Universal Corneal Scissors	88
4-072T	7	Dressing Forceps with Serrations	57	11-040S	26	Westcott Tenotomy Scissors	91
4-120S	8	Hartman Hemostatic Mosquito Forceps	64	11-044S	27	Westcott Stitch Scissors	90
4-174T	9	McPherson Angled Tying Forceps	67	11-0581S	28	Gills-Vannas Capsulotomy Scissors	92
4-185T	10	Tennant Straight Tying Forceps	67	14-080A	29	Lieberman Temporal Speculum with Aspiration	104
4-2107T	11	Steinert Paddle Lens Folding Forceps	59	15-025	30	Kelman Sharp Irrigating Cystotome, 25 Ga	112
4-2108S	12	Faulkner Lens Holding Forceps	59	15-051-27	31	Rycroft Anterior Chamber Cannula, 27 Ga	109
4-2141T	13	Cartridge Loading Forceps, for Inserting IOL	60	15-071-25	32	McIntyre Nucleus Hydrodissector, Spatulated, 25 Ga	111
5-030	14	Kuglen Iris Hook, Angled	68	15-170	33	Microincisional Capsule Polisher Cannula, Disc-Shaped Tip, 23 Ga	112
5-032*		Sinsky Hook, Angled	68	15-129-0.3	34	Simcoe I/A Cannula, 23/23 Ga	110
5-034*		Bechert Nucleus Rotator	68	16-020T	35	Maloney Intraoperative Keratometer	37
6-10/6-053	15	Diamond Knife, Trifacet Blade, 1.00 mm	71	16-0341T	36	Fine Thornton Fixation Ring with Swivel	116
6-20/6-107	16	Diamond Knife, Self-Diving Trapezoid Blade, 2.00/2.30 mm	72	16-081S	37	Towel Forceps	67
7-025T	17	Ernest Nucleus Cracker	75	16-2806	38	IOL Injector for A, B, C Cartridges	116
7-063	18	Nagahara Phaco Chopper RHD (LHD*)	80	18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large	121
(7-064*)			77				
7-0634/I	19	Lesieur Hydrochopper, 20 Ga	80				

\*not shown

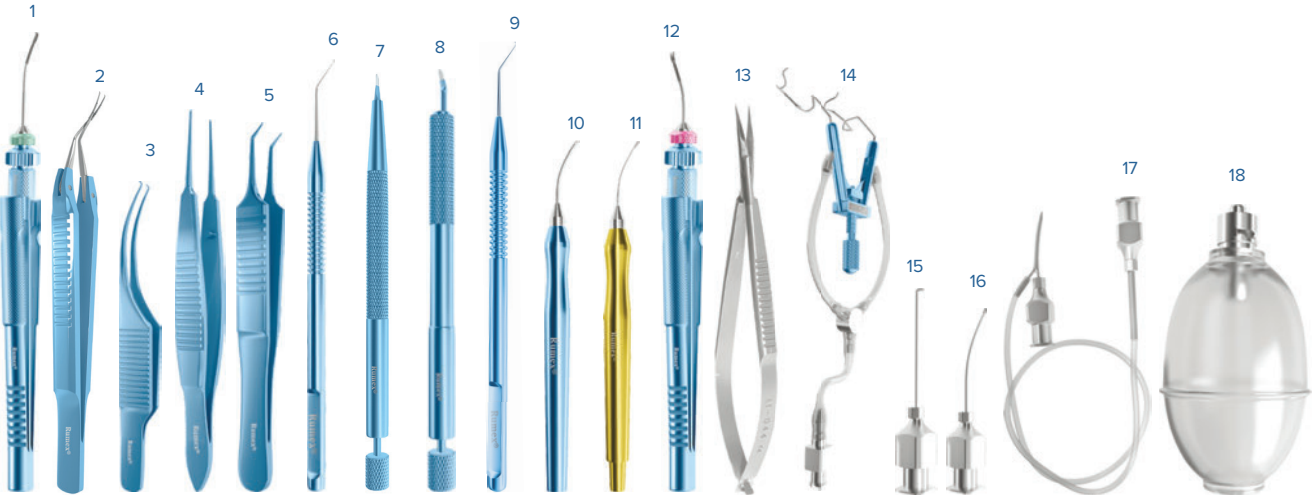
PHACO PRECHOP SET



Reference	Key	Description	Page	Reference	Key	Description	Page
2-010T	1	Castroviejo Caliper	37	7-1161S	11	Combo Prechopper (Sharp & Blunt Blades)	76
4-03315T	2	Utrata Capsulorhexis Forceps with Scale	48	11-040S	12	Westcott Tenotomy Scissors	91
4-0395	3	Capsulorhexis Forceps with Scale, Cross-Action	46	11-044S	13	Westcott Stitch Scissors	90
5-030	4	Kuglen Hook	68	14-040T	14	Lieberman Temporal Speculum	106
5-032	5	Sinskey Hook	68	15-071-25	15	McIntyre Nucleus Hydrodissector, 25 Ga	111
6-10/6-053	6	Diamond Knife, Trifacet Blade, 1.00 mm	71	15-051-27	16	Rycroft Anterior Chamber Cannula, 27 Ga	109
6-20/6-104	7	Diamond Knife, Self-Diving Trapezoid Blade, 2.30/2.80 mm	72	15-159-25	17	Jensen Capsule Polisher, Curved, Olive Tip, 25 Ga	112
7-025T	8	Ernest Nucleus Cracker	75	16-020T	18	Maloney Intraoperative Keratometer, Titanium	37
7-081	9	Irrigation Handpiece for Bimanual Technique, 21 Ga	81	18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large	121
7-0821	10	Aspiration Handpiece for Bimanual Technique, 22 Ga	82				

\*not shown

BIMANUAL MICROPHACO (MICS)

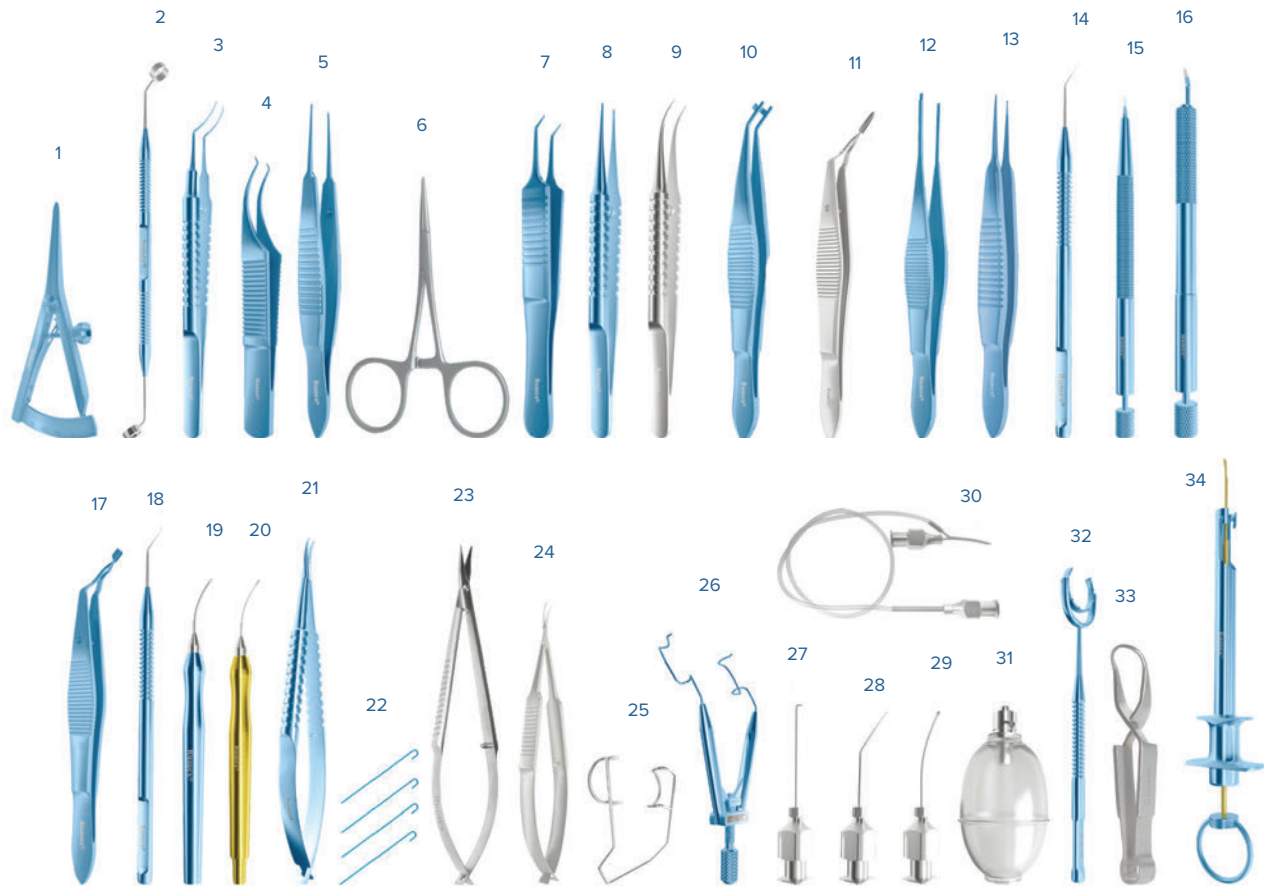


Reference	Key	Description	Page	Reference	Key	Description	Page
4-03771/12-003T	1	Kawai Capsulorhexis Forceps, Tapered 23/25 Ga shaft/ Universal Squeeze Handle	51	7-081	10	Irrigation Handpiece for Bimanual Technique, 21 Ga	81
4-0395	2	Capsulorhexis Forceps with Scale, Cross-Action	46	7-0821	11	Aspiration Handpiece for Bimanual Technique, 22 Ga	82
4-0501T	3	Colibri Corneal Forceps, 0.12 mm 1x2 Teeth	54	11-03741	12	Side Port Capsulotomy Scissors, Left, 20 Ga	92
4-0600T	4	Castroviejo Suturing Forceps, 0.12 mm 1x2 Teeth	65	11-03751*/12-003T		Side Port Capsulotomy Scissors, Right, 20 Ga /Universal Squeeze Handle	92
4-174T	5	McPherson Angled Tying Forceps	66	11-044S	13	Westcott Stitch Scissors	131
5-032	6	Sinskey Hook	68	14-080A	14	Lieberman Temporal Speculum with Aspiration	90
5-034*		Bechert Nucleus Rotator	68	15-0681	15	Chang Nucleus Hydrodissector, 27 Ga	104
6-10/6-053	7	Diamond Knife Trifacet Blade, 1.00 mm	71	15-170	16	Microincisional Capsule Polisher Cannula, Disc-Shaped Tip, 23 Ga	111
6-20/6-144	8	Diamond Knife, Self-Diving Trapezoid Blade, 1.80/2.00 mm	72	15-129-0.3	17	Simcoe I/A Cannula, 23/23 Ga	112
7-063 (7-064*)	9	Nagahara Phaco Chopper RHD (LHD*)	80	15-301/303	18	Simcoe I/A Cannula, 23/23 Ga	110
			77	18-304*		Silicone Bulb with Adapter	114
						Plastic Sterilization Tray with Silicone Finger Mat, Extra Large	121

\*not shown

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

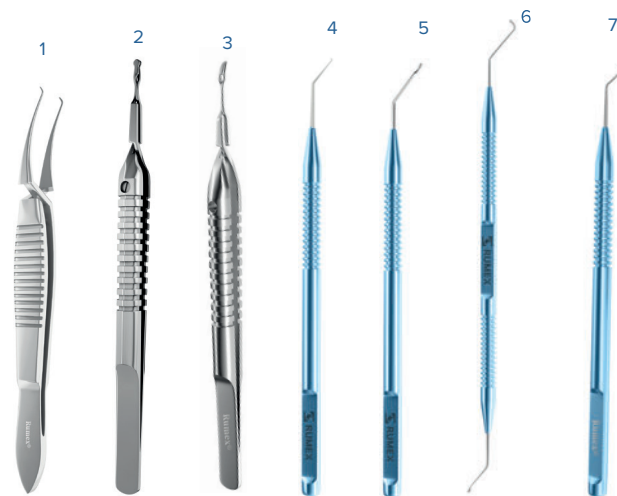
EXTRA CAPSULAR CATARACT EXTRACTION (ECCE) SET



Reference	Key	Description	Page	Reference	Key	Description	Page
2-010T	1	Castroviejo Caliper	37	7-025T	17	Ernest Nucleus Cracker	75
3-040	2	Whipple Capsulorhexis Centration Marker	39	7-065	18	Rosen Phaco Chopper, Universal	68
4-03315T	3	Utrata Capsulorhexis Forceps with Ruler	48	7-081-23	19	Irrigation Handpiece for Bimanual Technique, 23 Ga	81
4-050T	4	Colibri Corneal Forceps, 0.12 mm 1x2 Teeth	54	7-0821-23	20	Aspiration Handpiece for Bimanual Technique, 23 Ga	82
4-0600T	5	Castroviejo Suturing Forceps, 0.12 mm 1x2 Teeth	65	8-041T	21	Barraquer Needle Holder, Fine Jaws, without Lock	84
4-120S	6	Hartman Mosquito Forceps, Straight	64	10-5016-1	22	Disposable Iris Retractors (1 Pack of 4 pcs)	87
4-174T	7	McPherson Angled Tying Forceps	66	11-040S	23	Westcott Tenotomy Scissors	91
4-185T	8	Tennant Straight Tying Forceps	67	11-058S	24	Gills-Vannas Capsulotomy Scissors	92
4-186S	9	Tennant Curved Tying Forceps	67	14-022S	25	Barraquer Wire Speculum, Adult Size	108
4-2107T	10	Steinert Paddle Lens Folding Forceps	59	14-040TK	26	Lieberman Temporal Speculum, Adult Size	106
4-2113S	11	McDonald Style Inserting Forceps	59	15-0681	27	Chang Nucleus Hydrodissector, 27 Ga	111
4-2141T	12	Cartridge Loading Forceps	60	15-071-25	28	McIntyre Nucleus Hydrodissector, Spatulated, 25 Ga	111
4-2301T	13	Fechtner Conjunctiva Forceps	52	15-170	29	Microincisional Capsule Polisher Cannula, Disc-Shaped Tip, 23 Ga	112
5-030	14	Kuglen Iris Hook	68	15-129-0.3	30	Simcoe I/A Cannula, 23/23 Ga	110
5-0331*		Lester Lens Manipulator	68	15-301/303	31	Silicone Bulb with Adapter	114
5-034*		Bechert Nucleus Rotator	68	16-0341T	32	Fine Thornton Fixation Ring with Swivel	116
6-10/6-053	15	Diamond Knife, Trifacet Blade, 1.00 mm	71	16-080S	33	Towel Clamp	67
6-20/6-104	16	Diamond Knife, 2.30/2.80 mm, Self-Diving Trapezoid Blade	72	16-2806	34	IOL Injector for A, B, C Cartridges	116
				18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large	121

\*not shown

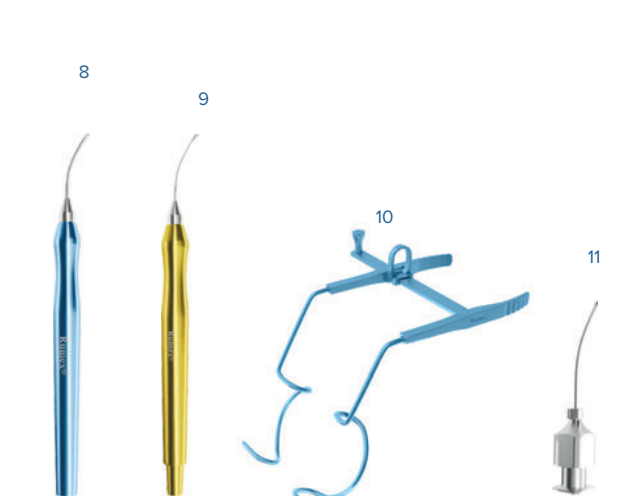
FEMTOSECOND CATARACT SET



1 2 3 4 5 6 7

Reference	Key	Description	Page
4-0582S	1	Forceps for Femtosecond Laser Cataract Procedure	49
7-1166S	2	Yeoh Femtosecond Prechopper	76
7-1167S	3	Crozafon Prechopper	76
7-145	4	Nagy Femtosecond Chopper	79
7-146	5	Donnenfeld Femto Splitter	79
13-181	6	Uy Laser Lens Fragmentation Combo Manipulator	95
20-204*		Spatula for Femtosecond Laser Procedure	95
20-2041	7	Donnenfeld Femto Spatula	95

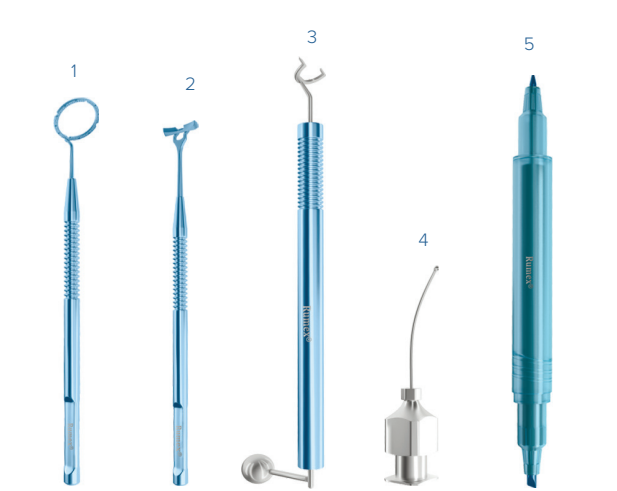
\*not shown



8 9 10 11

Reference	Key	Description	Page
7-081-23	8	Irrigation Handpiece for Bimanual Technique, 23 Ga	81
7-0821-23	9	Aspiration Handpiece for Bimanual Technique, 23 Ga	82
14-052T	10	Slade-Murdoch Speculum	106
15-170	11	Microincisional Capsule Polisher Cannula, Disc-Shaped Tip, 23 Ga	112
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large	121

TORIC IOL IMPLANTATION SET

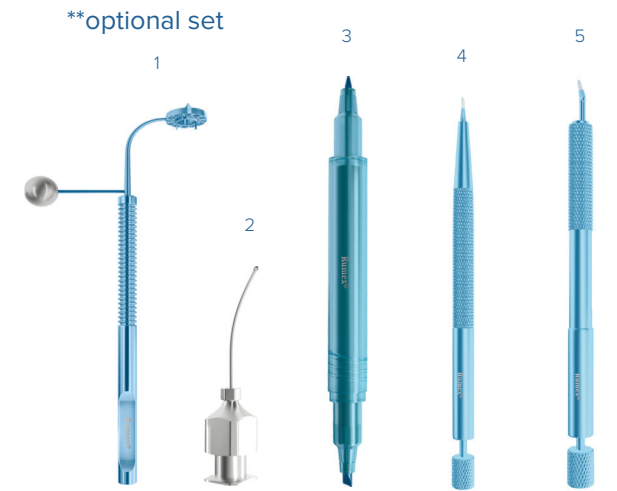


1 2 3 4 5

Reference	Key	Description	Page
2-034T	1	Grooved Fine Mendez Degree	39
3-091T	2	Bores Axis Marker	38
3-193	3	Whitehouse Gravity Axis Marker	43
15-170	4	Microincisional Capsule Polisher Cannula, Disc-Shaped Tip, 23 Ga	112
20-050	5	Disposable Marking Pen, Double-Ended, 10 per Box	43

\*not shown

\*\*optional set

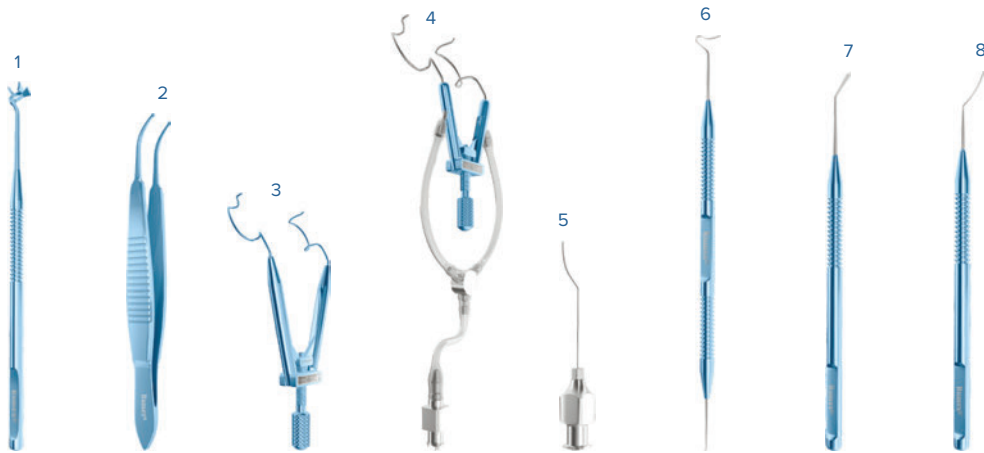


1 2 3 4 5

Reference	Key	Description	Page
3-194	1	RUMEX Toric Combo Marker, Vertical 0-0 Axis (Horizontal 0-0 Axis)	43
(3-1941)*			43
15-170	2	Microincisional Capsule Polisher Cannula, Disc-Shaped Tip, 23 Ga	112
20-050	3	Disposable Marking Pen, Double-Ended, 10 per Box	43
6-10/6-053	4	Diamond Knife, Trifacet Blade, 1.00 mm	71
6-20/6-144	5	Diamond Knife, Self-Diving Trapezoid Blade, 1.80/2.00 mm	72
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large	121

REFRACTIVE SURGERY

FEMTOLASIK SET

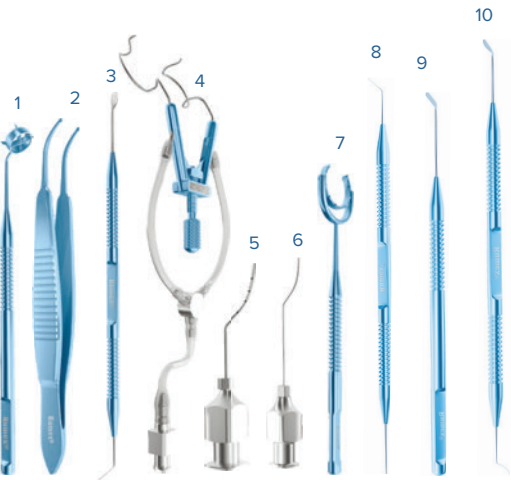


Reference	Key	Description	Page
3-176T	1	LASIK Flap Marker	41
4-2206T	2	LASIK Flap Forceps	53
14-040TL	3	Lieberman Temporal Speculum for LASIK	106
14-080LA	4	Lieberman Temporal Speculum with Aspiration for LASIK	104
15-379-25	5	Buratto LASIK Irrigation Cannula, 25 Ga	113

\*not shown

Reference	Key	Description	Page
20-201	6	FemtoLASIK Flap Spatula, Double-Ended	102
20-202	7	FemtoLASIK Flap Spatula	102
20-203	8	Zaldivar FemtoLASIK Spatula	102
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large	121

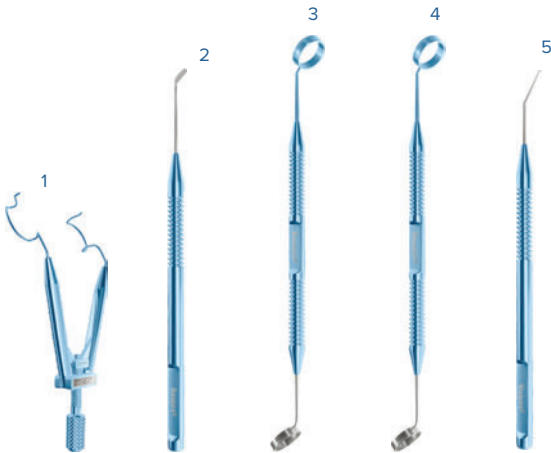
LASIK SET



Reference	Key	Description	Page
3-174T	1	Lavery LASIK Marker	41
4-2206T	2	LASIK Flap Forceps	53
13-110	3	Paton Double-Ended Spatula and Spoon	95
14-080LA	4	Lieberman Temporal Speculum with Aspiration for LASIK	95
15-373-25	5	Banaji LASIK Irrigation Cannula, 25 Ga	113
15-376*		Slade LASIK Cannula, 26 Ga	113
15-379-25	6	Buratto LASIK Irrigation Cannula, 25 Ga	113
16-0341T	7	Fine Thornton Fixation Ring with Swivel	116
20-013	8	LASIK Spatula and Flap Retreatment Instrument	100
20-001	9	Hockey Epithelium Removal Knife	123
20-002	10	Lindstrom LASIK / PRK Spatula and Epithelium Removal Board	100
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large	121

\*not shown

LASEK SET



Reference	Key	Description	Page
14-040TL	1	Lieberman Temporal Speculum for LASIK	106
20-0011	2	LASEK Knife	101
20-121	3	LASEK 8.00 mm Trephine / 8.50 mm Funnel	125
20-122	4	LASEK 9.00 mm Trephine / 9.50 mm Funnel	125
20-131	5	LASEK Epithelial Micro Hoe	101
18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large	121

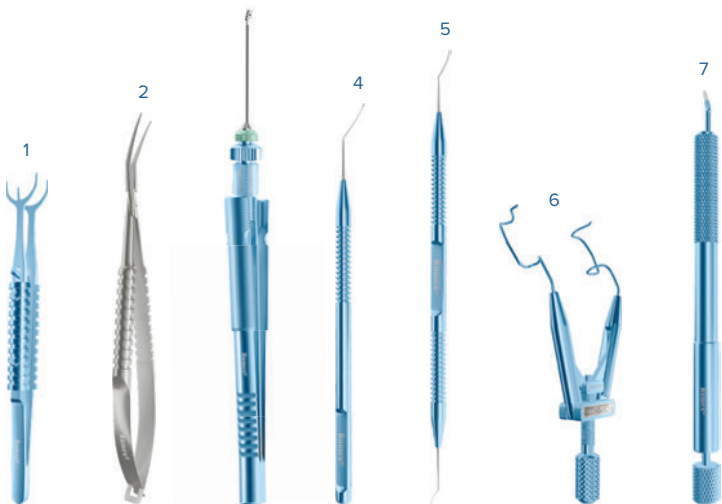
LRI SET



Reference	Key	Description	Page	Reference	Key	Description	Page
2-034T	1	Grooved Fine Mendez Degree Gauge with 4 Grooves	39	3-1801	1	LRI Marker, 40-60-80°	42
3-091T	2	Bores Axis Marker	38	3-1932	2	Whitehouse Gravity Axis Marker with Reduced Diameters	43
3-1932	3	Whitehouse Gravity Axis Marker with Reduced Diameters	43	6-322/ 6-0531	3	Universal Three-Step Diamond Knife for Cataract and LRI Surgery	73
6-322/6-0531	4	Universal Three-Step Diamond Knife for Cataract and LRI Surgery	73	18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large	121

\*not shown

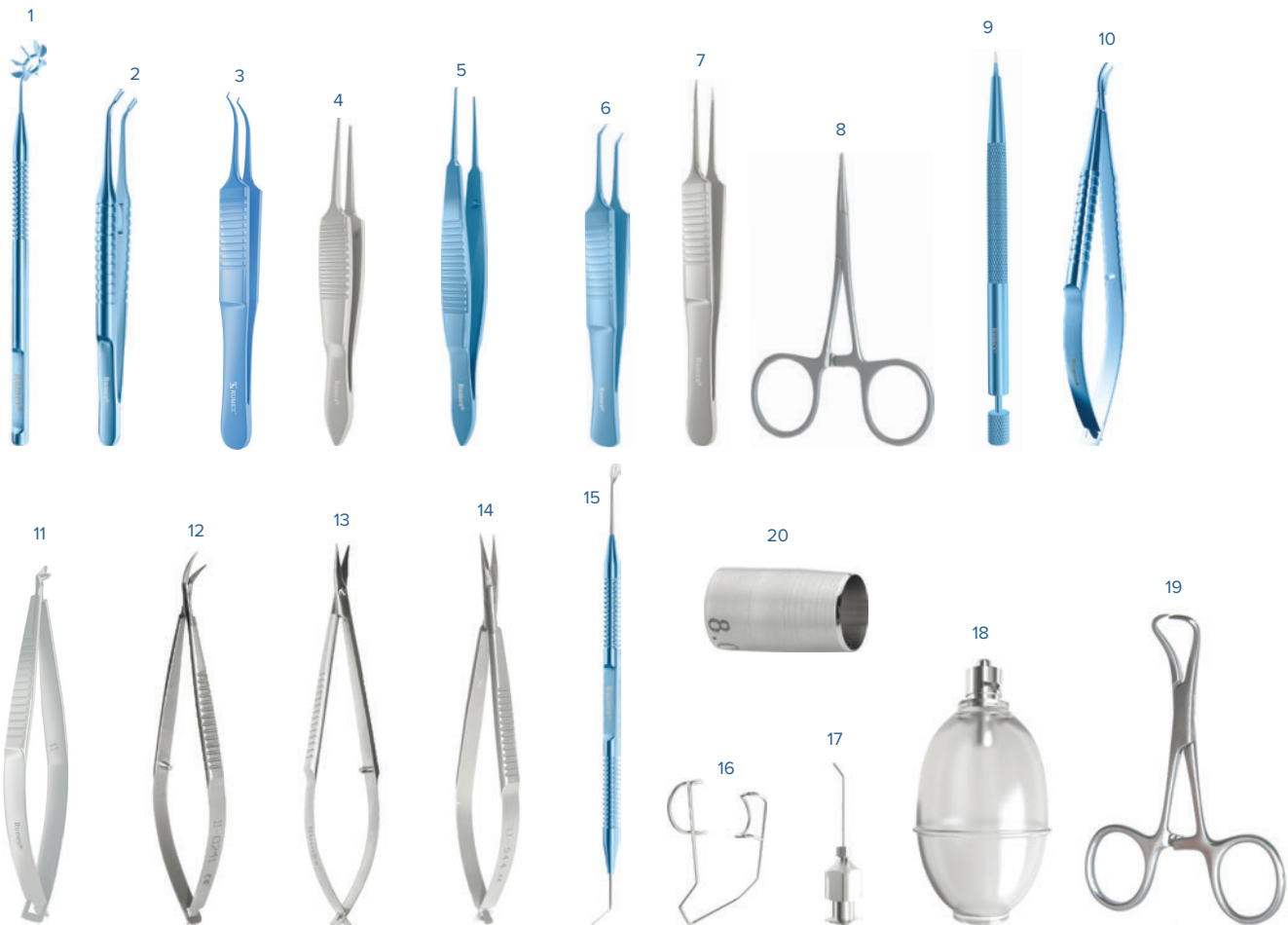
ICL SET



Reference	Key	Description	Page	Reference	Key	Description	Page
4-08011T	1	Neyas-Wallace Fixation Forceps, 0.12 mm 1x2 Teeth	58	13-142	5	Zaldivar ICL™ Manipulator	103
4-20111S	2	ICL™ Cartridge Loading Forceps	62	14-040T	6	Lieberman Temporal Speculum	106
4-21432/ 12-003T	3	Zaldivar - Kraff ICL Pacman Forceps, 20 Ga, Tip Only/ Universal Squeeze Handle	62	6-20/6-0551	7	Zaldivar Universal ICL™ Knife, 0.55/1.00 mm	72
13-141	4	Pallikaris ICL™ Manipulator	103	18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large	121

\*not shown

CORNEAL TRANSPLANTATION SET

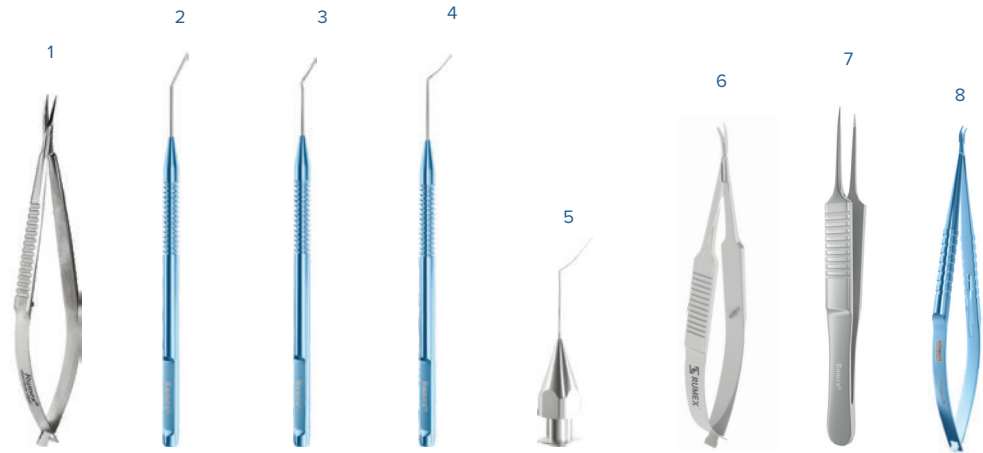


Reference	Key	Description	Page
3-140T	1	Corneal Transplant Marker	156
4-0814T	2	Pollack Corneal Transplantation Fixation Forceps	58
4-0541T	3	Castroviejo Colibri Corneal Forceps	55
4-0607S	4	Bishop-Harmon Suturing Forceps	65
4-0600T	5	Castroviejo Suturing Forceps, 0.12 mm 1x2 Teeth	65
4-0601T*		Castroviejo Suturing Forceps, 0.30 mm 1x2 Teeth	65
4-090T	6	Kelman-McPherson Tying Forceps	66
4-178S	7	McPherson Straight Tying Forceps	66
4-120S	8	Hartman Mosquito Forceps	64
6-10/6-053	9	Diamond Knife, Trifacet Blade, 1.00 mm	71
6-20/6-107*		Diamond Knife, Trapezoid Self-Diving Blade, 2.00/2.30 mm	72
8-031T	10	Barraquer Needle Holder, Standard Jaws, without Lock	84
8-045T*		Barraquer Needle Holder, Extra Fine Jaws, without Lock	84

\*not shown

Reference	Key	Description	Page
11-020S	11	Katzin Corneal Transplant Scissors, Left	88
11-0201S*		Katzin Corneal Transplant Scissors, Right	88
11-024S	12	Castroviejo Corneal Section Scissors, Right	88
11-0241S*		Castroviejo Corneal Section Scissors, Left	88
11-040S	13	Westcott Tenotomy Scissors	91
11-044S	14	Westcott Stitch Scissors	90
13-110	15	Paton Double-Ended Spatula and Spoon	95
14-022S	16	Barraquer Wire Speculum, Adult Size	108
15-051-25	17	Rycroft Anterior Chamber Cannula, 25 Ga	109
15-301/303	18	Silicone Bulb with Adapter	114
16-081S	19	Towel Forceps	67
16-0305*		Corneal Trephine Blades, 7.50 mm	119
16-0307	20	Corneal Trephine Blades, 8.00 mm	119
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large	121

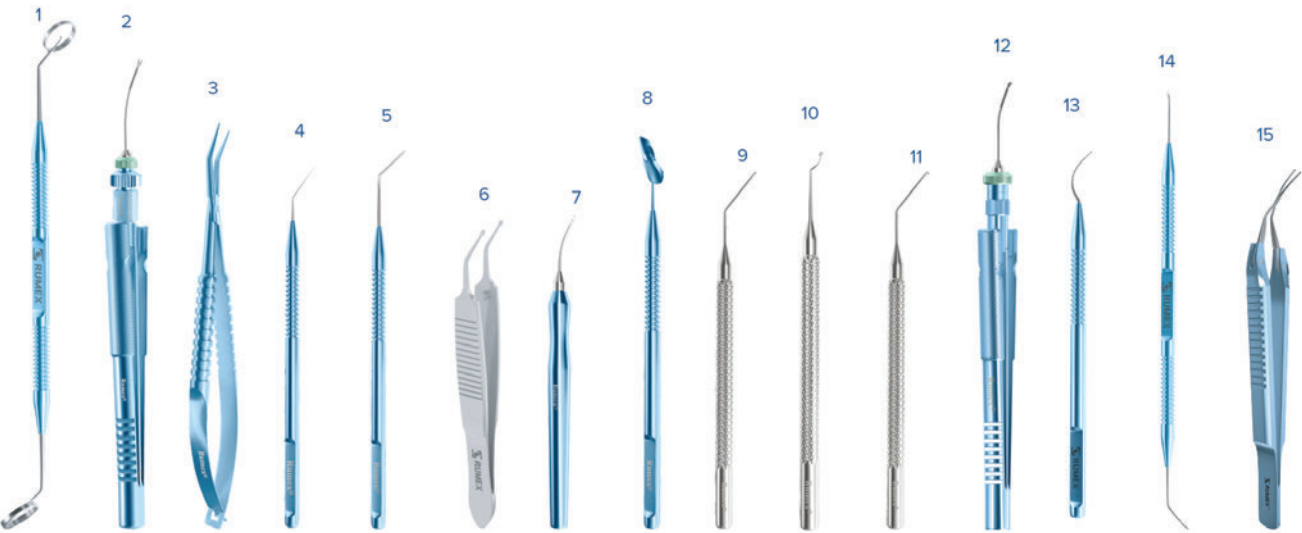
DALK SET



Reference	Key	Description	Page	Reference	Key	Description	Page
11-038S	1	Scissors for DALK Procedure, Right	88	11-134	6	Holland Spatulated DALK Scissors, Right	89
11-0381S*		Scissors for DALK Procedure, Left	88	11-135*		Holland Spatulated DALK Scissors, Left	89
13-170	2	Trisector for DALK Procedure	99	4-178S	7	McPherson Tying Forceps, Straight	66
13-171	3	Spatula for DALK Procedure	99	4-174T*		McPherson Tying Forceps, Angled	66
13-172	4	Dissector for DALK Procedure	99	8-024T	8	Barraquer Needle Holder, Extra Fine Jaws, with Lock	84
15-450-27	5	Cannula for DALK Procedure, 27 Ga	113	18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large	121

\*not shown

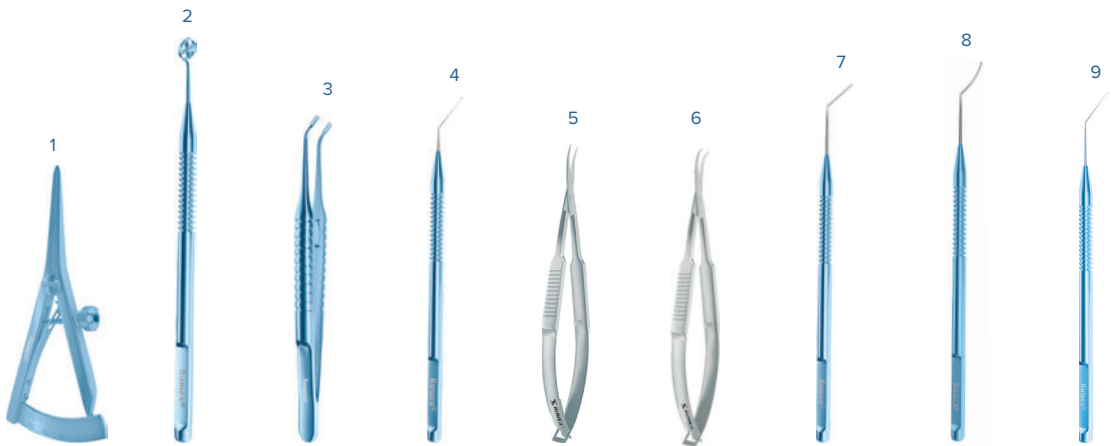
DSEK, DSAEK, DMEK SET



Reference	Key	Description	Page	Reference	Key	Description	Page
3-0231	1	Abdullayev Corneal Marker for Keratoplasty	30	13-152S	10	Carlson DSEK Smoother	97
3-0230*		Abdullayev Scleral Marker for Keratoplasty	30	13-153S	11	Terry DSEK Scraper	97
4-034	2	Forceps for Corneal Endothelium Implantation, 23 Ga / 12-003T	131	4-247	12	Florakis Microinvasive Endothelial Forceps, 23 Ga / 12-003T	56
4-2019T	3	Corneal Donor Insertion Forceps	56	4-246S*		Florakis Endothelial Forceps	56
5-0322	4	Reversed Sinsky Hook	68	13-182	13	John Dextatome DMEK/DSAEK Spatula	98
13-137	5	Corneal Dissector, Straight	96	13-183*		John DSAEK Stromal Scrubber	98
13-138*		Corneal Dissector, Curved	96	13-184*		John DSAEK Glider	98
4-240	6	Guell DMEK Forceps	56	13-185	14	Tan Marginal DMEK Dissector	98
13-139/I	7	Endothelial Stripper, Irrigating	96	4-251	15	Cross-Action DMEK Forceps	57
13-150T	8	Spatula-Guide for Corneal Endothelium Implantation	96	18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large	121
13-151S	9	Cindy Sweeper DSEK Spatula	97				

\*not shown

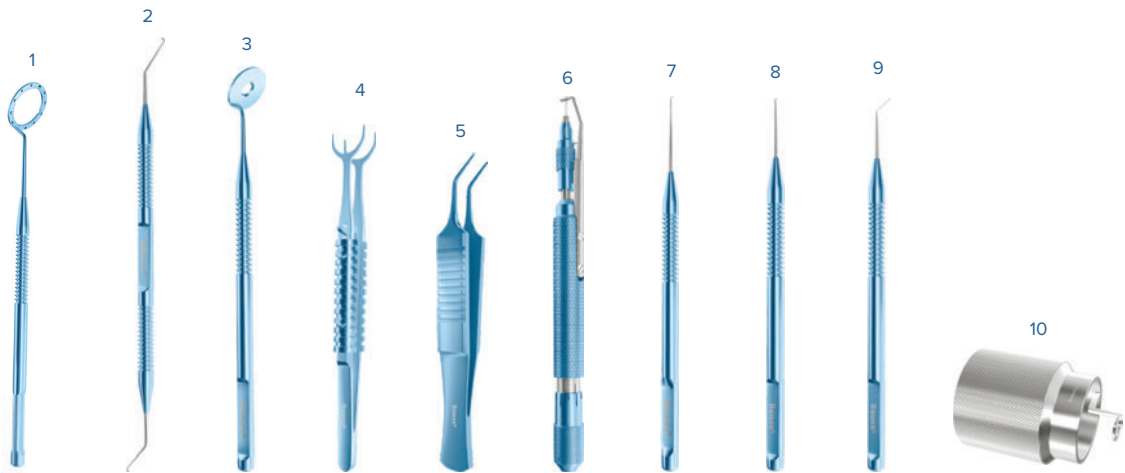
DLEK SET



Reference	Key	Description	Page	Reference	Key	Description	Page
2-010T	1	Castroviejo Caliper	37	11-0361S	6	DLEK Scissors, Strong Curve	89
3-0217T	2	Hoffer Optical Zone Marker, 8.00 mm	40	13-137	7	Corneal Dissector, Straight	96
4-0814T	3	Pollack Corneal Transplantation Fixation Forceps	58	13-138	8	Corneal Dissector, Curved	96
5-0322	4	Reversed Sinsky Hook	68	13-160	9	Manipulator for DLEK pProcedure	99
11-036S	5	DLEK Scissors, Medium Curve	89	18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large	121

\*not shown

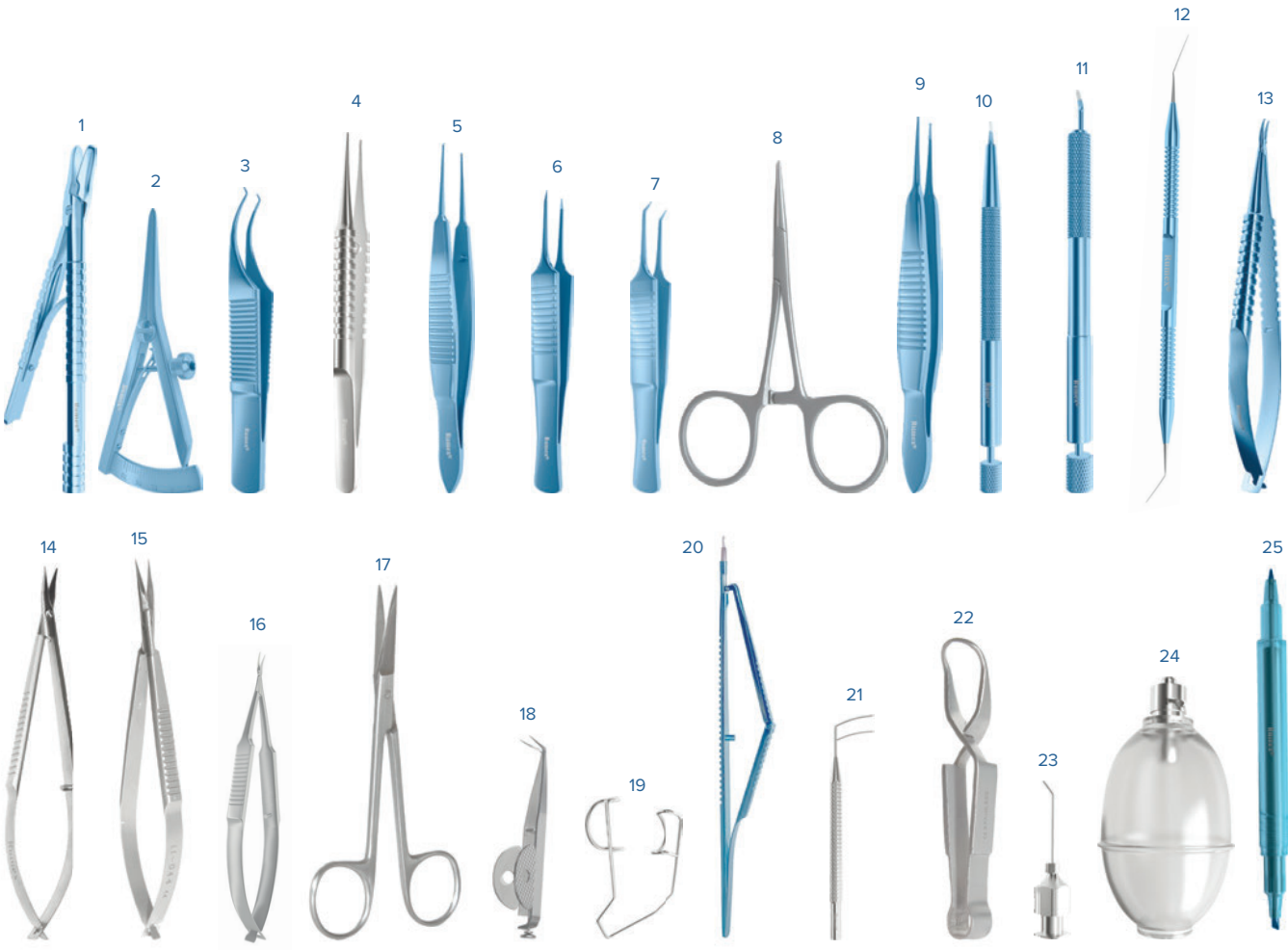
ICRS SET



Reference	Key	Description	Reference	Key	Description		
2-0331T	1	Grooved Mendez Degree Gauge with 4 Grooves	38	10-035	7	Elevator for ICRS Implantation	103
3-034	2	Optical Zone Marker	41	13-146	8	Suarez Spreader	103
3-143T	3	Tunnel Zone Marker	41	13-147	9	Bicalto Guide	103
4-08011T	4	Nevyas-Wallace Fixation Forceps	58	16-173S	10	Tunnel Maker, Left	119
4-2144T	5	Forceps for ICRS Implant	58	16-174S*		Tunnel Maker, Right	119
6-00/6-020	6	Diamond Knife for ICRS, Micrometer Handle, 1.00 mm	71	18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large	121

\*not shown

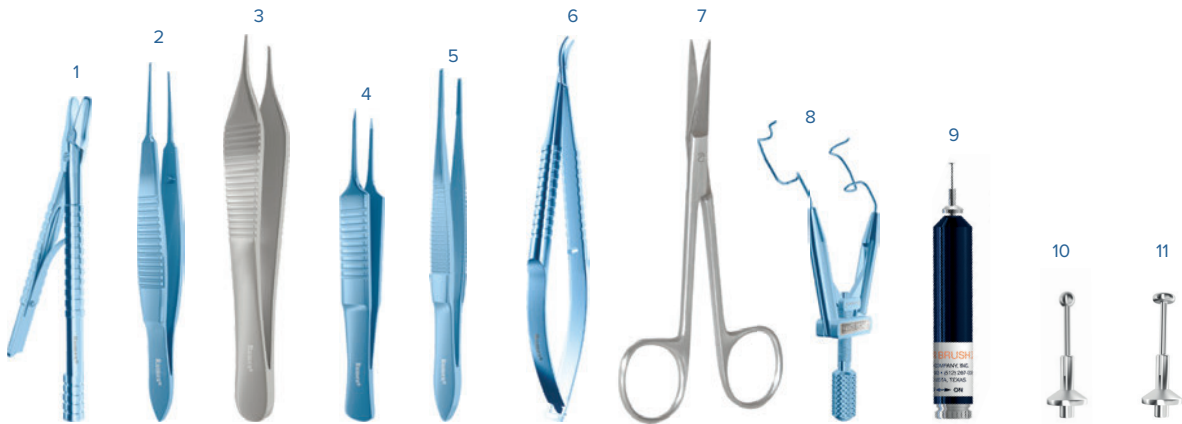
GLAUCOMA SET



Reference	Key	Description	Page	Reference	Key	Description	Page
1-010T	1	Blade Holder	36	11-044S	15	Westcott Stitch Scissors	90
2-010T	2	Castroviejo Caliper	37	11-052S	16	Vannas Capsulotomy Scissors	92
4-050T	3	Colibri Corneal Forceps	54	11-080S	17	Iris Scissors	89
4-070S	4	Dressing Forceps with Delicate Serrations	57	11-1223	18	Barraquer Iris Scissors	90
4-0600T	5	Castroviejo Suturing Forceps	65	14-022S	19	Barraquer Wire Speculum	108
4-171T	6	McPherson Straight Tying Forceps	66	16-011	20	Kelly Descemet's Membrane Punch, 0.75 mm Diameter	118
4-090T	7	Kelman-McPherson Tying Forceps	66	16-012S	21	Harms Trabeculotome, Left	119
4-120S	8	Hartman Mosquito Forceps	64	16-013S*		Harms Trabeculotome, Right	119
4-2301T	9	Fechtner Conjunctiva Forceps	52	16-080S	22	Schaeffel Towel Clamp	67
6-10/6-053	10	Diamond Knife, Trifacet Blade, 1.00 mm	71	15-051-27	23	Rycroft Anterior Chamber Cannula, 27 Ga	109
6-20/6-092	11	Diamond Knife, Crescent Blade, 2.00 mm	72	15-301/303	24	Silicone Bulb with Adapter	114
13-050	12	Castroviejo Double-Ended Cyclodialysis Spatula	94	20-050	25	Disposable Marking Pen, Double-Ended, 10 per Box	43
8-045T	13	Barraquer Needle Holder, Extra Fine Jaws, without Lock	84	18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large	121
11-040S	14	Westcott Tenotomy Scissors	91				

\*not shown

PTERYGIUM SET



Reference	Key	Description	Page	Reference	Key	Description	Page
1-010T	1	Blade Holder	36	16-051-2.5	9	AlgerBrush with a 2.50 mm Diamond Round Fine Grit Burr	115
4-0600T	2	Castroviejo Suturing Forceps	65	16-051-3.5B	10	Diamond Round Medium Grit Burr for AlgerBrush, 3.50 mm	115
4-0741S	3	Adson Fixation Forceps	58	16-052-5.0B	11	Diamond Disk-Shaped Medium Grit Burr for AlgerBrush, 5.00 mm	115
4-171T	4	McPherson Tying Forceps	160	18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large	121
4-2300T	5	Bonaccolto Utility Forceps	67				
8-031T	6	Barraquer Needle Holder, Standard Jaws, without Lock	84				
11-080S	7	Iris Scissors	89				
14-040T	8	Lieberman Temporal Speculum	106				

\*not shown

CHALAZION SET



Reference	Key	Description	Page	Reference	Key	Description	Page
1-020S	1	Bard Parker Handle	36	16-066	5	Meyerhoefer Chalazion Curette, Size 3	118
4-1906T	2	Desmarres Chalazion Forceps, Large	52	16-067*		Meyerhoefer Chalazion Curette, Size 4	119
4-1912T*		Desmarres Chalazion Forceps, Medium	52	16-50S	6	Lid plate	117
4-1908T	3	Lambert Chalazion Forceps, Small	52	18-304*		Plastic Sterilizing Tray with Silicone Finger Mat, Extra Large	121
4-1909T	4	Lambert Chalazion Forceps, Medium	52				
16-063*		Meyerhoefer Chalazion Curette, Size 0	118				
16-064*		Meyerhoefer Chalazion Curette, Size 1	118				
16-065*		Meyerhoefer Chalazion Curette, Size 2	118				

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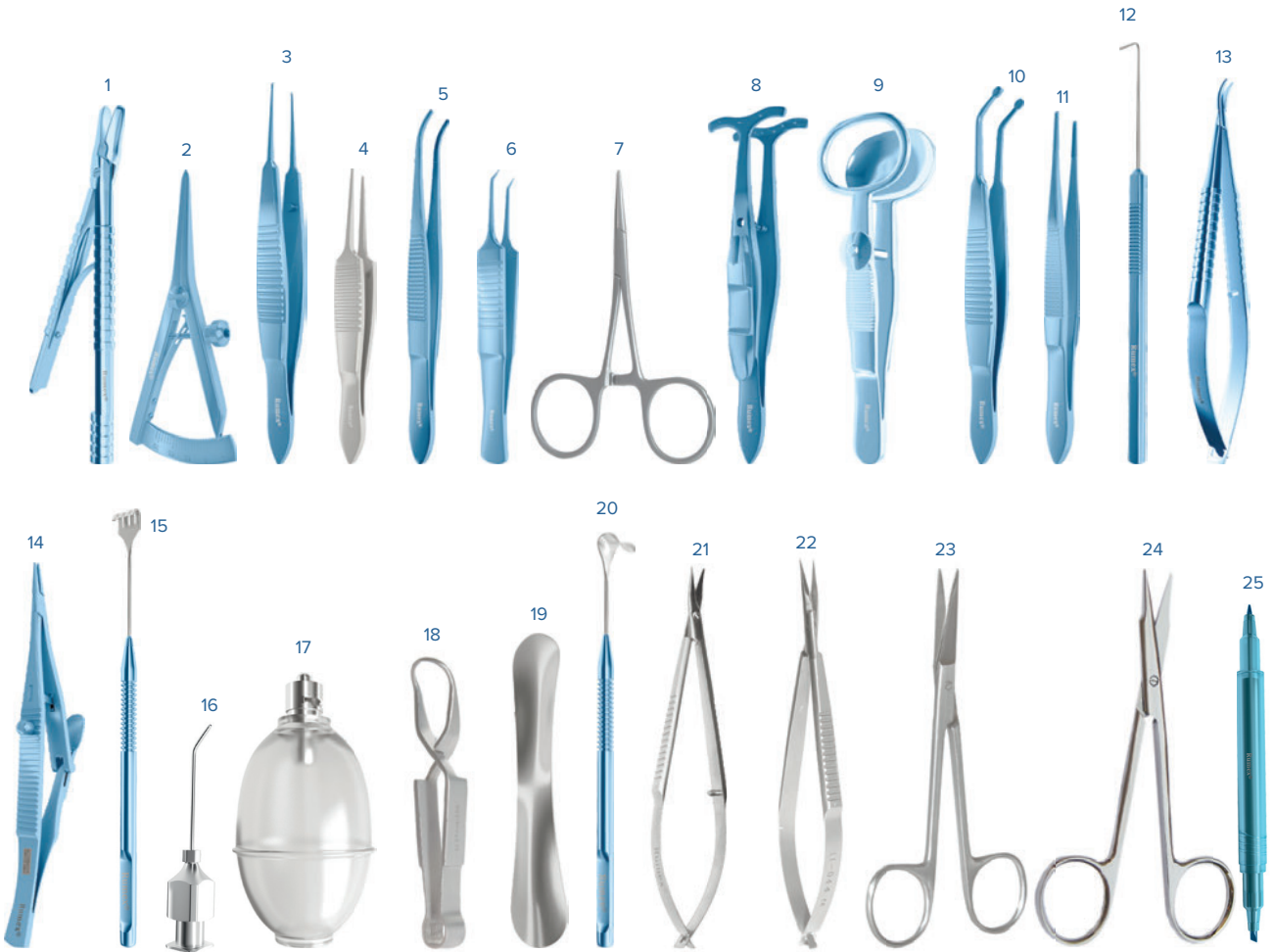
LACRIMAL SET



Reference	Key	Description	Page	Reference	Key	Description	Page
1-010T	1	Blade Holder	36	10-013	12	Stevenson Lacrimal Sac Retractor	86
4-071S	2	Dressing Forceps	57	10-014	13	Knapp Lacrimal Sac Retractor	86
4-2300T	3	Bonaccolto Utility Forceps	67	11-080S	14	Iris Scissors	89
4-0601T	4	Castroviejo Suturing Forceps	65	11-125S	15	Westcott Type Stitch Scissors	90
4-122S	5	Halsted Mosquito Forceps	64	11-130S	16	Stevens Scissors	91
8-031T	6	Barraquer Needle Holder, Standard Jaws, without Lock	84	15-029	17	Lacrimal Cannula, Reinforced, Curved, 23 Ga	114
9-010S	7	Bowman Lacrimal Probe, Size 0000-000	85	15-301/303	18	Silicone Bulb with Adapter	114
9-011S*		Bowman Lacrimal Probe, Size 00-0	85	16-081S	19	Towel Forceps	67
9-012S*		Bowman Lacrimal Probe, Size 1-2	85	16-127	20	Nasal speculum, Adult Size	119
9-013S*		Bowman Lacrimal Probe, Size 3-4	85	16-135	21	Surgical Mallet, Polished Finish	119
9-014S*		Bowman Lacrimal Probe, Size 5-6	85	16-136	22	Kerrison Rongeur, Size 0	117
9-021S	8	Quickert Lacrimal Intubation Probe, Size 0	85	16-138	23	Belz Lacrimal Sac Rongeur	117
9-031	9	Pigtail Lacrimal Probe	85	21-R7011	24	Disposable DCR Set, Straight 4.50 cm	27
9-050T	10	Wilder Lacrimal Dilator, Size 1	85	18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large	121
9-060T	11	Castroviejo Double-Ended Lacrimal Dilator, Size 1 & 2	85				

\*not shown

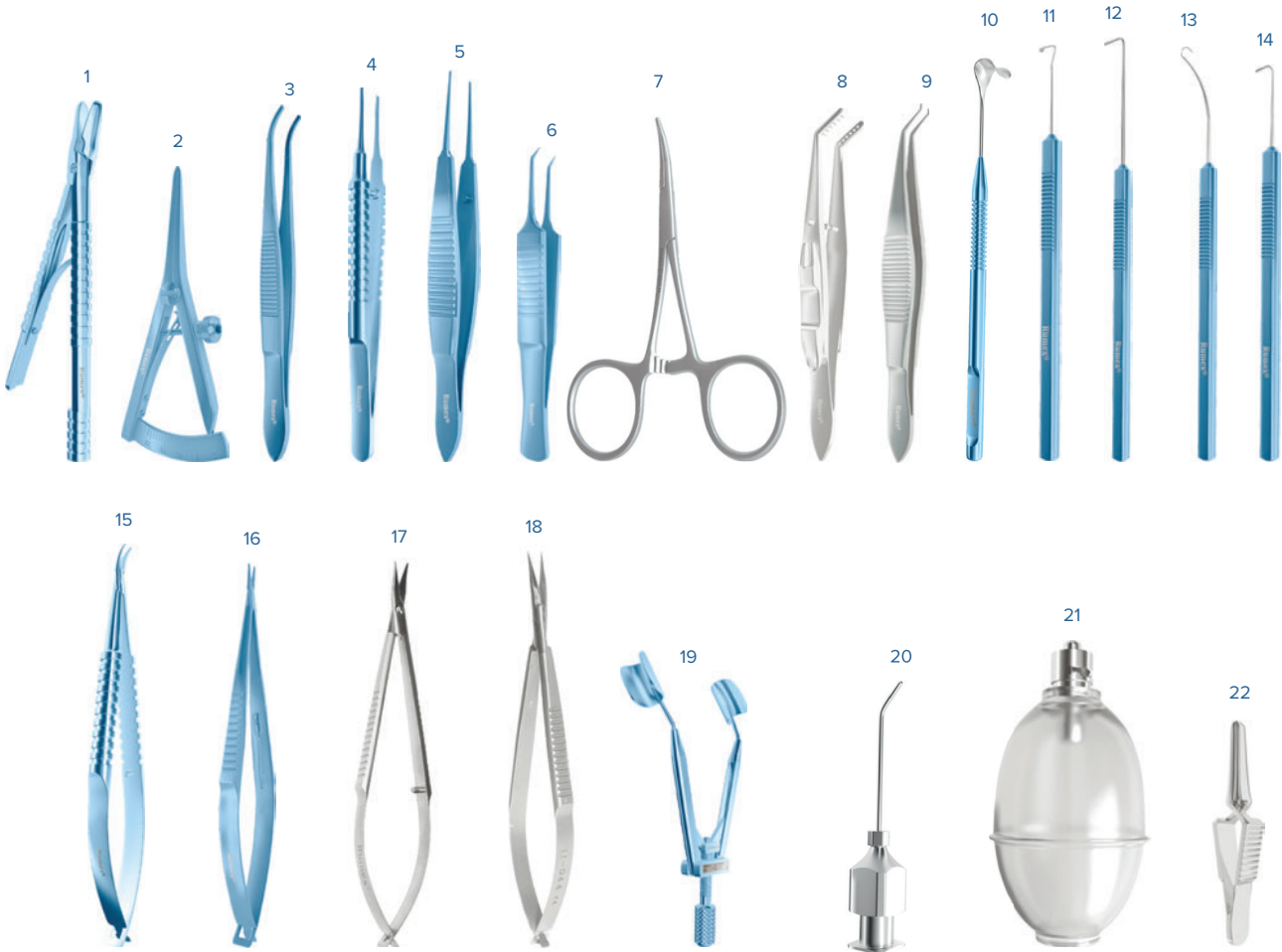
LID SURGERY SET



Reference	Key	Description	Page	Reference	Key	Description	Page
1-010T	1	Blade Holder	36	10-014	15	Knapp Lacrimal Sac Retractor	86
2-010T	2	Castroviejo Caliper	37	15-055-19	16	Bishop Harmon AC Cannula, 19 Ga	109
4-0601T	3	Castroviejo Suturing Forceps	65	15-301/303	17	Silicone Bulb with Adapter	114
4-0607S	4	Bishop-Harmon Suturing Forceps	65	16-080S	18	Schaeffel Towel Clamp	67
4-072T	5	Dressing Forceps	57	16-50S	19	Lid Plate	117
4-090T	6	Kelman-McPherson Tying Forceps	66	10-020*		Desmarres Lid Retractor, Size 0	86
4-120S	7	Hartman Mosquito Forceps	64	10-021	20	Desmarres Lid Retractor, Size 1	86
4-140T	8	Putterman Type Lid Clamp	52	10-022*		Desmarres Lid Retractor, Size 2	86
4-1906T	9	Desmarres Chalazion Forceps, Large	52	10-023*		Desmarres Lid Retractor, Size 3	86
4-1912T*		Desmarres Chalazion Forceps, Medium	52	11-040S	21	Westcott Tenotomy Scissors	91
4-124S*		Compressing Lid Forceps with Atraumatic Rollers	53	11-044S	22	Westcott Stitch Scissors	90
4-1913T	10	Compressing Lid Forceps	53	11-080S	23	Straight Iris Scissors	89
4-2300T	11	Bonaccolto Utility Forceps	67	11-133S	24	Stevens Tenotomy Scissors	91
5-042	12	Graefe Muscle Hook, Size 2	69	20-050	25	Disposable Marking Pen, Double-Ended, 10 per Box	43
8-031T	13	Barraquer Needle Holder, Standard Jaws, without Lock	84	18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large	121
8-080T	14	Kalt Needle Holder	83				

\*not shown

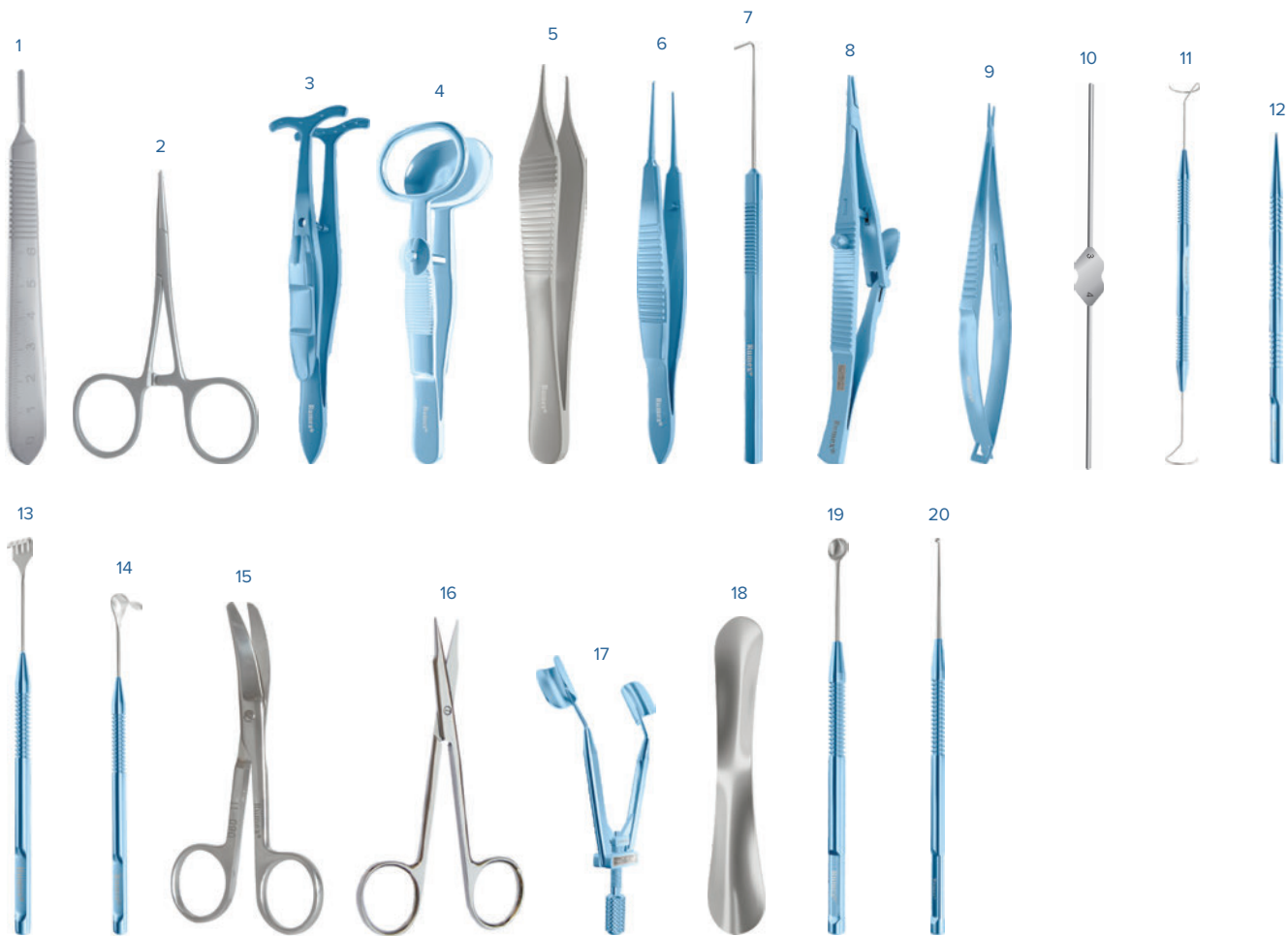
MUSCLE SET



Reference	Key	Description	Page	Reference	Key	Description	Page
1-020S	1	Bard Parker Handle	36	5-061	13	Scobee Oblique Muscle Hook	70
2-010T	2	Castroviejo Caliper	37	5-062	14	Stevens Curved Tenotomy Hook	70
4-072T	3	Dressing Forceps	57	8-090T	15	Barraquer Needle Holder, Strong Jaws, with Lock	85
4-0551T	4	Corneal Forceps, Bonn-Catalano Type	55	8-0921T	16	Castroviejo Needle Holder, Delicate Jaws, with Lock	83
4-0602T	5	Castroviejo Suturing Forceps	65	11-040S	17	Westcott Tenotomy Scissors	91
4-090T	6	Kelman-McPherson Tying Forceps	66	11-044S	18	Westcott Stitch Scissors	90
4-121S	7	Hartman Mosquito Forceps	64	14-0601T	19	Kershner Reversible Solid Blade Speculum	105
4-130S	8	Jameson Muscle Forceps, Left	64	15-055-19	20	Bishop Harmon AC Cannula, 19 Ga	109
4-131S*		Jameson Muscle Forceps, Right	64	15-301/303	21	Silicone Bulb with Adapter	114
4-136S	9	Osher Superior Rectus Forceps	65	16-090S	22	Serrefine	64
10-022	10	Desmarres Lid Retractor, Size 2	86	18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large	121
5-040	11	Jameson Muscle Hook	69				
5-042	12	Graefe Muscle Hook, Size 2	69				

\*not shown

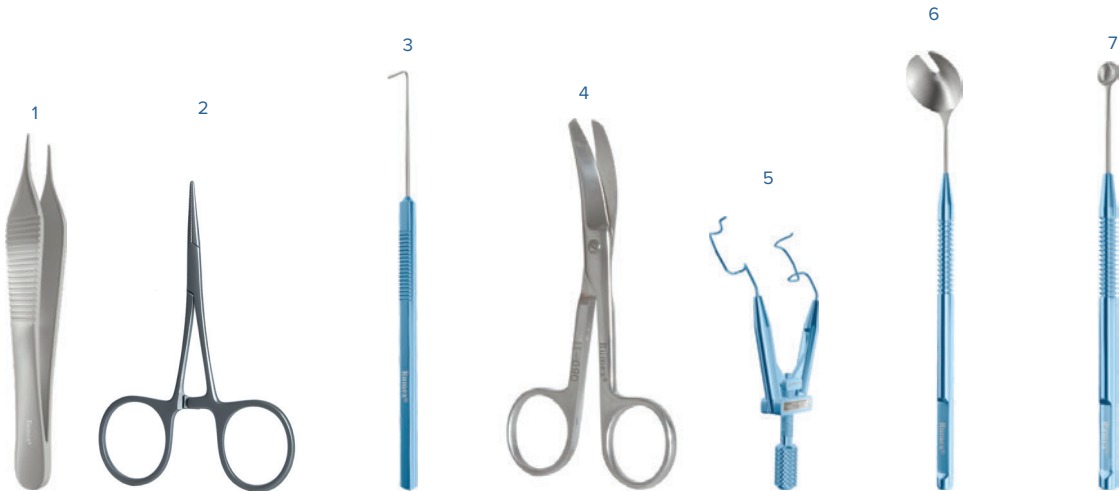
OCULOPLASTIC SET



Reference	Key	Description	Page	Reference	Key	Description	Page
1-020S	1	Bard Parker Handle	36	9-050T	12	Wilder Lacrimal Dilator, Size 1	85
4-120S	2	Hartman Mosquito Forceps	64	10-014	13	Knapp Lacrimal Sac Retractor	86
4-140T	3	Putterman Type Lid Clamp	52	10-022	14	Desmarres Lid Retractor, Size 2	86
4-1906T	4	Desmarres Chalazion Forceps, Large	52	11-090S	15	Enucleation Scissors	93
4-0741S	5	Adson Fixation Forceps	58	11-133S	16	Stevens Tenotomy Scissors	91
4-0822T	6	Castroviejo Fixation Forceps	58	14-0601T	17	Kershner Reversible Solid Blade Speculum	105
5-042	7	Graefe Muscle Hook, Size 2	69	16-50S	18	Lid Plate	117
8-080T	8	Kalt Needle Holder	83	16-061	19	Bunge Evisceration Spoon, Small	118
8-0921T	9	Castroviejo Needle Holder, Delicate Jaws, with Lock	83	16-066	20	Meyerhoefer Chalazion Curette, Size 3	118
9-012S	10	Bowman Lacrimal Probe, Size 1-2	85	18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large	121
9-031	11	Pigtail Lacrimal Probe	85				

\*not shown

ENUCLEATION / EVISCERATION SET



Reference	Key	Description	Page	Reference	Key	Description	Page
4-0741S	1	Adson Fixation Forceps	58	14-040T	5	Lieberman Temporal Speculum	106
4-120S	2	Hartman Mosquito Forceps	64	16-060	6	Wells Enucleation Spoon	119
5-042	3	Graefe Muscle Hook, Size 2	69	16-061	7	Bunge Evisceration Spoon	118
11-090S	4	Enucleation Scissors	166	18-304*		Plastic Sterilization Tray with Silicone Finger Mat, Extra Large	121
11-101S*		Knapp Strabismus Scissors	90				

\*not shown

DON'T FORGET TO BUY

Complete any set with a sterilization tray.  
RUMEX offers a variety of plastic and aluminum trays of different sizes and configurations.

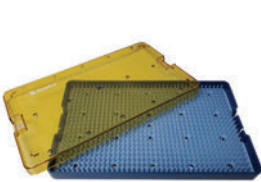


Plastic Trays

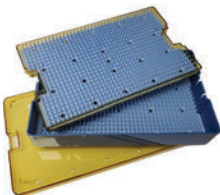
RUMEX plastic trays are molded from General Electric's ULTEM® resin, using mold flow analysis to guarantee product strength, structural integrity, and extended life cycle.

Aluminum Trays

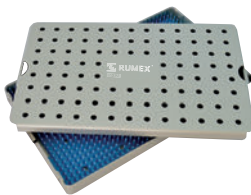
RUMEX aluminum trays are manufactured from an anodized aluminum alloy to prevent corrosion, ensure fast drying and long-term use.  
Lightweight\* for easy transportation and handling.



18-304



18-305



18-324



18-335

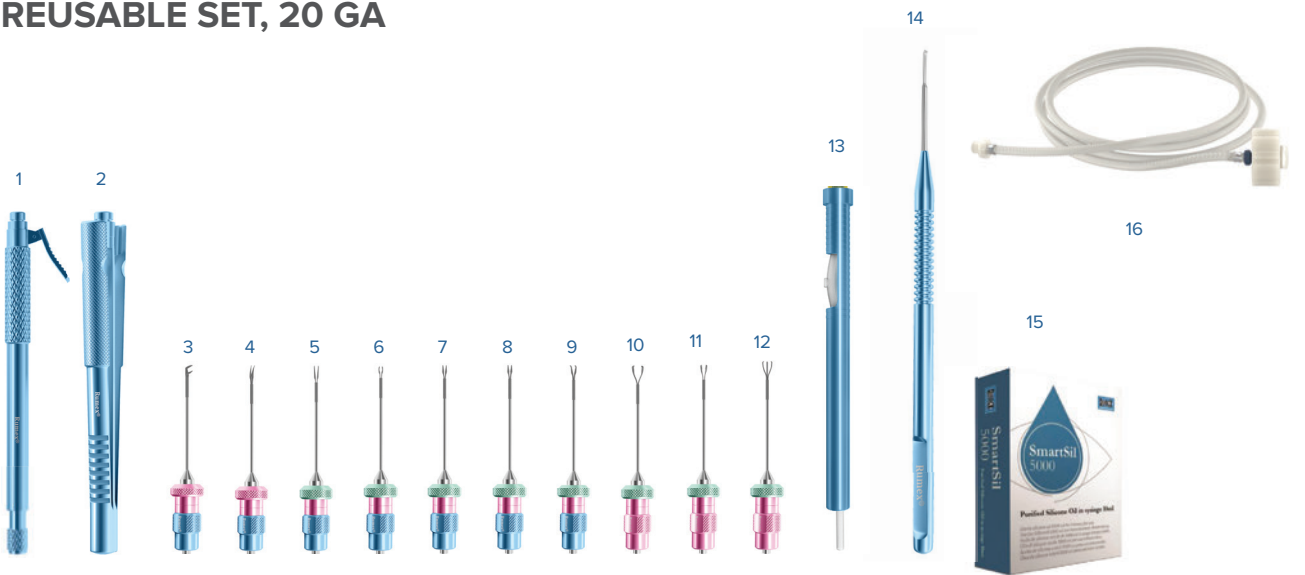
	Item	Dimensions, (L×W×H)		Configuration	Accommodates, number of instruments
		mm	in		
Plastic Trays					
1	18-304	254×152×19 mm	10×6×0.75"	Single level	10-15
2	18-305	254×152×38 mm	10×6×1.5"	Double level	20-30
Aluminum Trays					
3	18-324	260×160×20 mm	10.25×6.25×0.80"	Single level	10-15
4	18-335	390×265×40 mm	15.5×10.5×1.5"	Single level	25-35

Other trays are available in RUMEX range

\*Compared to Stainless Steel Trays

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

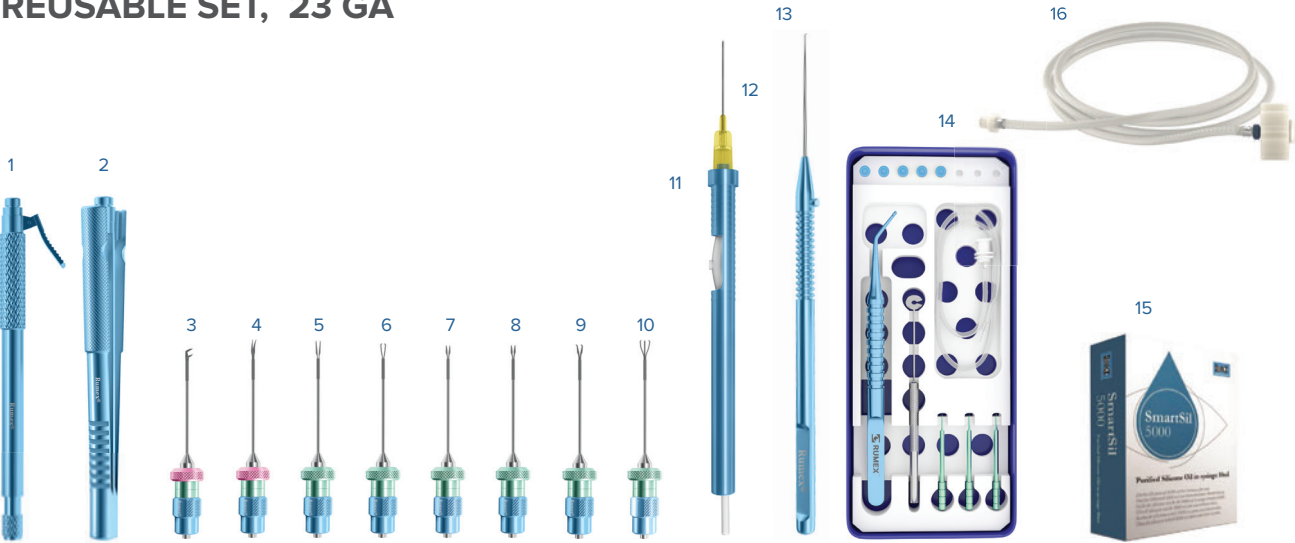
REUSABLE SET, 20 GA



Reference	Key	Description	Page
12-001T	1	Universal Instrument Handle, One Finger Control	130
12-003T	2	Universal Instrument Handle, Squeeze Model, Two Fingers Control	46
12-202	3	Vertical Vitreoretinal Scissors, 20 Ga, Tip only	132
12-209	4	Curved Subretinal Scissors, 20 Ga, Tip only	133
12-410	5	Eckardt End-Gripping Forceps, 20 Ga, Tip only	133
12-411	6	Tano Asymmetrical End-Gripping Forceps, 20 Ga, Tip only	133
12-301	7	Vitreoretinal Forceps with a Sandblasted Platform, 20 Ga, Tip only	134
12-304	8	Gripping Forceps with a "Crocodile" Platform, 20 Ga, Tip only	134
12-325	9	Pick Vitreoretinal Forceps, 20 Ga, Tip only	135
12-335	10	Stolyarenko Forceps for Large Foreign Bodies, 20 Ga, Tip only	135
12-313	11	Vitreoretinal Forceps with Cup Jaws, 20 Ga, Tip only	135
12-321	12	Spring Gripping Forceps, 20 Ga, Tip only	137
12-6000	13	Titanium Backflush Handle, Active Aspiration	144
13-092	14	Membrane Scratcher, 20 Ga	136
SmartSil5000	15	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt	
12-RTUB-2	16	Reusable Tubing System for the Infusion of Silicone Oil	147
18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large	121

\*not shown

REUSABLE SET, 23 GA



Reference	Key	Description	Page	Reference	Key	Description	Page
12-001T	1	Universal Instrument Handle, One Finger Control	130	12-325-23	9	Pick Vitreoretinal Forceps, 23 Ga, Tip only	135
12-003T	2	Universal Instrument Handle, Squeeze Model, Two Fingers Control	46	12-321-23	10	Spring Gripping Forceps, 23 Ga, Tip only	137
12-202-23	3	Vertical Vitreoretinal Scissors, 23 Ga, Tip only	132	12-6000	11	Titanium Backflush Handle, Active Aspiration	144
12-209-23	4	Curved Subretinal Scissors, 23 Ga, Tip only	132	12-5161	12	Soft Tip Cannula, 23 Ga, Disposable, 5 per Box	144
12-410-23	5	Eckardt End-Gripping Forceps, 23 Ga, Tip only	133	13-097-23	13	Delicate Membrane Pick, 23 Ga	136
12-4013	6	End-Grasping Forceps, Expanded Space between Branches, 23 Ga, Tip only	137	12-5173-23	14	Reusable Trocar System, 23 Ga	140
12-301-23	7	Vitreoretinal Forceps with a Sandblasted Platform, 23 Ga, Tip only	134	SmartSil5000	15	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt	
12-304-23	8	Vitreoretinal Forceps with a "Crocodile" Platform, 23 Ga, Tip only	134	12-RTUB-2	16	Reusable Tubing System for the Infusion of Silicone Oil	147

\*not shown

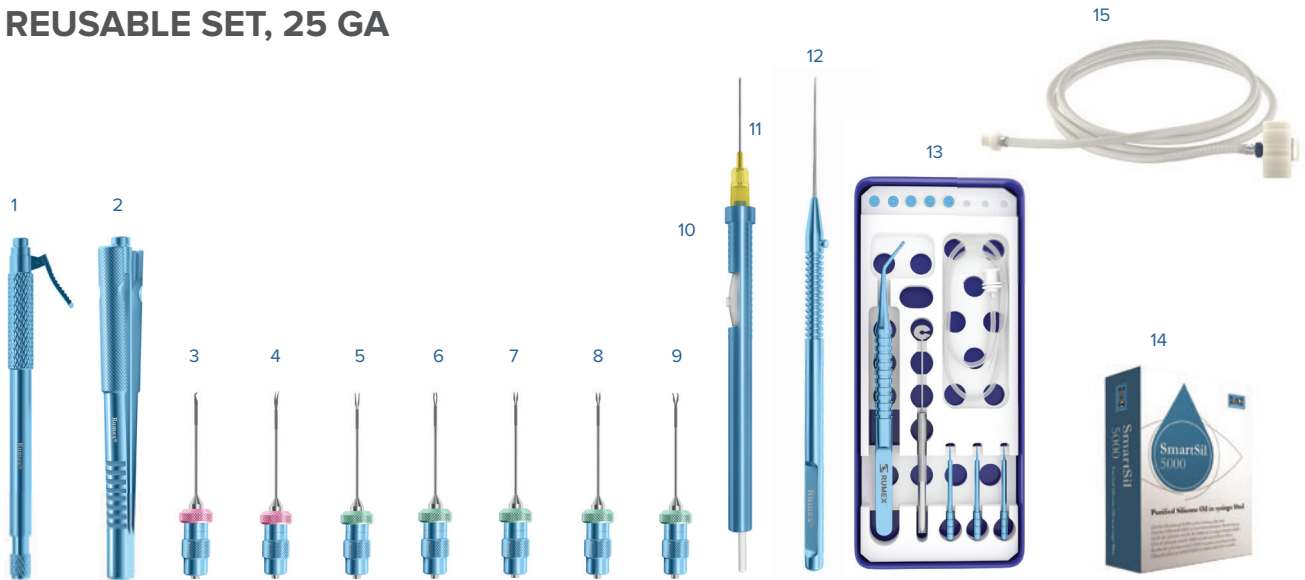
DISPOSABLE SET, 23 GA



Reference	Key	Description	Page	Reference	Key	Description	Page
12-5229	1	Disposable One Step Trocar System 23 Ga, 6 per Box	143	12-304-23DP	6	Disposable Vitreoretinal Gripping Forceps with a "Crocodile Platform", 23 Ga, Plastic Handle 360°, 6 per Box	134
12-5161H	2	Backflush Instrument with Soft Tip, 23 Ga, 6 per Box	144	12-202-23DP	7	Disposable Vitreoretinal Vertical Scissors, 23 Ga, Plastic Handle 360°, 6 per Box	132
12-7523	3	Disposable Diamond Dusted Retractable ILM Elevator, 23 Ga, 5 per Box	142	12-5203	8	Dual Bore PFC Cannula, 23 Ga, 5 per Box	145
12-209-23DP	4	Disposable Vitreoretinal Curved Scissors, 23 Ga, Plastic Handle 360°, 6 per Box	142	12-5248	9	Viscous Fluid Injection Cannula, 23 Ga, 4 mm Tip, 5 per Box	147
12-410-23DP	5	Disposable Vitreoretinal Eckardt End-Gripping Forceps, 133 23 Ga, Plastic Handle 360°, 6 per Box		SmartSil5000	10	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt	

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

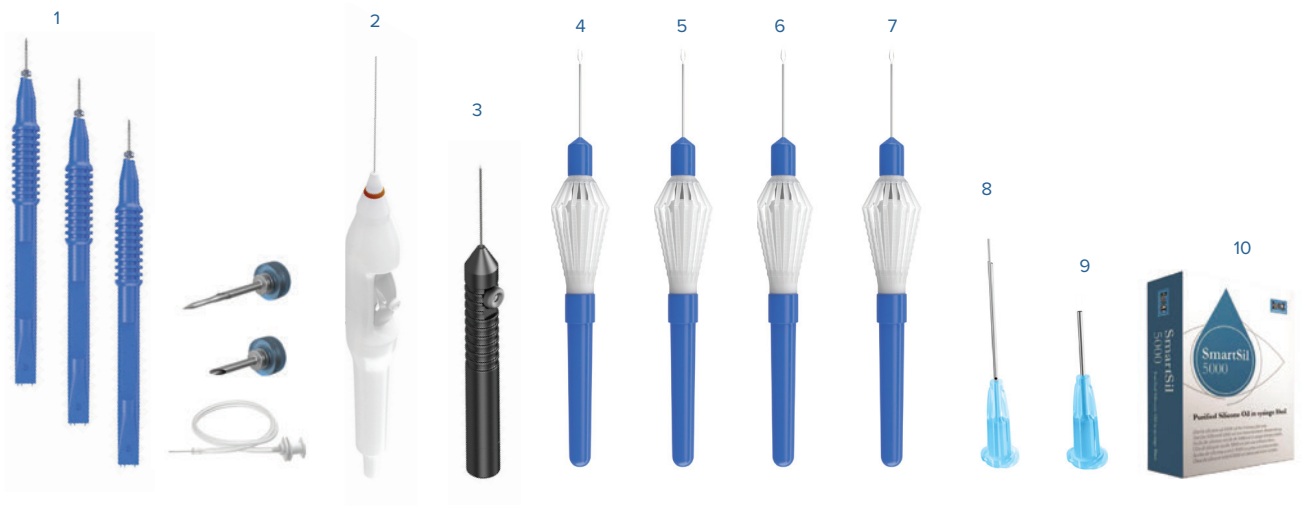
## REUSABLE SET, 25 GA



Reference	Key	Description	Page	Reference	Key	Description	Page
12-001T	1	Universal Instrument Handle, One Finger Control	130	12-3259	9	Pick Vitreoretinal Forceps, 25 Ga, Tip only	135
12-003T	2	Universal Instrument Handle, Squeeze Model, Two Fingers Control	46	12-6000	10	Titanium Backflush Handle, Active Aspiration	144
12-2029	3	Vertical Vitreoretinal Scissors, 25 Ga, Tip only	132	12-5152	11	Soft Tip Cannula, 25 Ga, Disposable, 5 per Box	145
12-2099	4	Curved Subretinal Scissors, 25 Ga, Tip only	132	13-0979	12	Delicate Membrane Pick, 25 Ga	136
12-410-25	5	Eckardt End-Gripping Forceps, 25 Ga, Tip only	133	12-5173-25	13	Reusable Trocar System, 25 Ga	140
12-420-25	6	Asymmetrical End-Grasping Forceps, 25 Ga, Tip Only	133	SmartSil5000	14	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt	
12-3019	7	Vitreoretinal Forceps with a Sandblasted Platform, 25 Ga, Tip only	134	12-RTUB-2	15	Reusable Tubing System for the Infusion of Silicone Oil	147
12-304-25	8	Vitreoretinal Forceps with a "Crocodile" Platform, 25 Ga, Tip only	134	18-305*		Plastic Sterilization Tray with Silicone Finger Mat, Double Level, Extra Large	121

\*not shown

## 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	143	12-304-25DP	6	Disposable Vitreoretinal Gripping Forceps with a "Crocodile Platform", 25 Ga, Plastic Handle 360°, 6 per Box	142
12-5152H	2	Backflush Instrument with Soft Tip, 25 Ga, 6 per Box	145	12-202-25DP	7	Disposable Vitreoretinal Vertical Scissors, 25 Ga, Plastic Handle 360°, 6 per Box	142
12-7525	3	Disposable Diamond Dusted Retractable ILM Elevator, 25 Ga, 5 per Box	142	12-5205	8	Dual Bore PFC Cannula, 25 Ga, 5 per Box	145
12-209-25DP	4	Disposable Vitreoretinal Curved Scissors, 25 Ga, Plastic Handle 360°, 6 per Box	142	12-5258	9	Viscous Fluid Injection Cannula, 25 Ga, 4 mm Tip, 5 per Box	147
12-410-25DP	5	Disposable Vitreoretinal Eckardt End-Gripping Forceps, 25 Ga, Plastic Handle 360°, 6 per Box	142	SmartSil5000	10	Purified Silicone Oil for Retinal Endotamponade, 5000 cSt	

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

# APPENDIXES

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## **STERILIZATION AND CARE**

GENERAL INSTRUCTIONS FOR CARE, CLEANING AND STERILIZATION	171
DIAMOND KNIVES STERILIZATION	177

HANDLING OF VITREORETINAL AND MICROINCISIONAL INSTRUMENTS	179
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<b>ABBREVIATIONS</b>	<b>181</b>
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<b>INDEX</b>	<b>182</b>
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# STERILIZATION AND CARE

## GENERAL INSTRUCTIONS FOR CARE, CLEANING AND STERILIZATION

We at RUMEX guarantee our instruments against manufacturing defects, but the lifespan of reusable instruments lies within proper handling and care. To help your instruments preserve their initial conditions, we strongly recommend you to read the instructions below carefully before use.

A common misconception that “stainless steel” or “titanium” have extreme durability and are indestructible is in need of correction: these metals still might be affected by chemical, mechanical, thermal attacks and etc. However, if you are aware of metal characteristics and understand how to handle them, the lifespan of the instruments may be enlarged.

A particular care should be taken after microsurgical instruments as they have very delicate working tips. These instructions are being general recommendations, cleaning guidelines of the solutions and equipment manufacturer and your institution, especially those regarding temperature, time of exposure and concentration, should be observed.

### INSPECTION

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

### Stage 1: DESINFECTION

#### Soaking

1. for effective cleaning of instruments it is recommended to start pre-treatment as soon as possible, no later than 30 minutes after surgery is completed. The cleaning/disinfection should be carried out within the next two hours.
2. Use **distilled/demineralized water** to prepare the working solution.
3. Water temperature should be as specified in the manufacturer's instructions. Water layer above the instruments should be no less than 1 cm (.39 inches).
4. Make sure the disinfectant is free of **aldehydes, glutaraldehydes**. Stainless steel tools must not be exposed for a long time to media which can promote corrosion (for example, chloride or iodine ions). This also applies to the vapors of the substances mentioned.

**Do not immerse stainless steel instruments in an isotonic solution (e.g. physiological saline solution) as stress corrosion cracking and pitting may occur.**

5. Carry out disinfection according to the mode, indicated in the instructions of product manufacturer. Disinfectant solution should not foam.
6. Instruments with hinges and joints must be handled open.

#### Rinsing

1. Place the products in a container with distilled/demineralized water and wash off the remaining solution with thorough rinsing of all lumens for 5 minutes.
2. Then rinse with distilled water.

### Stage 2: PRE-STERILIZATION CLEANING

Never skip this cleaning stage as residues on instruments such as care agents and the ones of package materials may form stains and depositions in course of sterilization.

### MANUAL CLEANING

It is imperative to follow the rules:

1. As much moisture as possible must be eliminated from all instrument's parts since moisture promotes corrosion.
2. Only detergents and cleaners specially designed for use on surgical stainless steel or titanium instruments are acceptable for use in the cleaning process. Cleaning guidelines of the solution manufacturer and your institution should be observed.
3. Thorough cleaning immediately after use is essential for the longevity of the instrument. We recommend that the established surgical instrument cleaning procedures of your institution be followed using these instructions as a guideline.
4. The cleaning/disinfecting solutions should be exchanged daily.

### Steps of manual cleaning in solution

1. Use **distilled/demineralized water** to prepare the working solution. Use chemicals with non-protein fixing process and with/without anti-microbial effects. Prepare the solution according to the manufacturer's instructions.
2. The detachable products should be disassembled prior to be immersed into the solution. Products with locks should be immersed open with preliminary several working movements done inside the solution for its better penetration into hard-to-reach areas of the instruments. Make sure that there are no air bubbles in the cavities and all the inner surfaces are affected.
3. Soak according to the mode, indicated in the instructions of product manufacturer. **We recommend soaking instruments in a detergent with pH level between 6-9 for 10 min at 40°C/104°F. Disinfection agent should be aldehyde-free.**
4. Wash each product with a brush or a cotton-gauze sponge. Use a syringe to wash the lumens of the instruments. Remove all macroscopically visible dirt.

**WARNING! Never use abrasive powders or steel wool to remove stubborn stains – these can damage the superfine finish of an instrument and can actually help cause corrosion of stainless instruments.**

5. Place the products in a container with distilled/demineralized water and wash off the remaining solution with thorough rinsing of all lumens for 5 minutes. Repeat the procedure if necessary.
6. Then rinse with distilled water to prevent spotting. Instruments with lumens should be flushed out at least five times at the beginning and at the end of the cleaning (10 ml/0.34 fl.oz distilled or deionized water to be used each time).
7. Dry instruments carefully before sterilization with a hot air blower or lint-free cloth. Compressed air is preferred. Sterile compressed air should be used to insufflate cavities of the instruments.
8. The cleaning results must be visually inspected. The instruments must be visibly clean.

### ULTRASONIC CLEANING

An ultrasonic cleaner could also be used in the instrument cleaning process, but not as the sole cleaning method. The instrument should, at the very least, be flushed with distilled water prior to being placed into the equipment. A five to ten minutes cycle in the ultrasonic cleaner should be sufficient.

The following rules should be followed:

1. Fill the bath with room temperature water. The temperature higher than 45°C (113°F) can lead to encrustation due to denaturation of the protein.
2. Use detergent to soak the instruments. A distilled/demineralized water should be used to prepare the working solution. Make it according to the manufacturer's instructions. Newly prepared cleaning solutions require degassing prior to the first use.
3. Place instruments next to each other without stacking them.
4. When carrying out ultrasonic cleaning, all parameters specified by the manufacturer of the cleaning agent, such as exposure time and concentration, must be observed.
5. The use of ultrasonic baths and strong cleaning fluids (alkaline pH > 9 or acid pH < 5) can shorten the lifespan of the products. Make sure the appropriate agents are chosen for performing the procedure.
6. Place the instruments on silicone fingertip mat, previously put into the ultrasonic bath with the solution. When using deionized water or cleaning solution fully submerge the instruments. Change the ultrasonic solution from ultrasound cleaner after each use.

**Instruments with hinges and joints must be handled open to minimize the obscured surface areas. The detachable products should be disassembled prior to be immersed into the solution.**

**Products with locks should be immersed open with preliminary several working movements done inside the solution for its better penetration into hard-to-reach areas of the instruments.**

**Large instruments should be placed vertically in order not to create acoustic shadows.**

**WARNING! Special care should be taken to make certain that the tip of the instrument does not come into contact with the sides of the ultrasonic container, as this could damage the instrument.**

7. Carry out the cleaning procedure. Turn on ultrasonic bath. 3 minutes exposure at frequencies of around 35 kHz would be sufficient. Use soft bristled nylon brush to clean all the parts of the instrument, inside and outside.
8. Place the products in a container with distilled/demineralized water and wash off the remaining solution with thorough rinsing of all lumens for 5 minutes. Repeat the procedure if necessary.

9. Then rinse with distilled water to avoid water spots.
10. Dry the instruments before sterilization. A lint free cloth may be used for manual drying. Sterile compressed air should be used to insufflate cavities of the instruments.

**WARNING! DO NOT apply ultrasonic cleaning to diamond knives or instruments with delicate tips (e.g. vitreoretinal and microincisional tips, choppers, hooks, manipulators and etc.)**

#### AUTOMATED CLEANING

1. Baskets in the form of nets with large holes are recommended to be used in special washing equipment. Be sure to use tool holders in the basket. Place instruments inside them without overloading.
2. Make sure that the large instruments don't obscure other ones and don't create spray shadows.
3. Sort tools by similar metals, avoiding contact between dissimilar ones. This type of contact can cause galvanic corrosion.
4. Use a solution suitable for washing equipment with low foaming property.
5. Use a neutralizer, which not only neutralizes alkali, but also reduces surface tension of the liquid during drying, accelerating it, and minimizing stains.
6. Set the program for the cleaning step. The chosen program must be suitable for the products and include the appropriate number of rinsing cycles.

for automated cleaning and disinfection thermal and chemo-thermal disinfection options are available.

During **thermal processes** disinfection is carried out at temperatures above 65°C (149°F). A reprocessing program may include the following steps:

1. Pre-wash with cold water to remove dirt and foaming substances.
2. Cleaning is performed with use of suitable pH-neutral or alkaline products added to hot or cold distilled water at temperatures of 40-60°C (104-140°F) for at least 5 minutes.
3. Intermediate rinse in hot or cold distilled water with acidic neutralizer added in order to facilitate the removal of remaining alkaline disinfectants.
4. Second intermediate rinse in hot or cold distilled water without additives should follow.
5. Thermal disinfection and final rinse is performed at temperatures of 80-95°C (176-203°F).
6. Drying might be carried out in washer/disinfector or in other possible ways. Sterile compressed air should be used to insufflate cavities of the instruments.

**Chemo-thermal disinfection** is suitable for heat-sensitive products. The temperature is limited in all rinsing stages and during the step of drying.

Cleaning is performed normally at < 65°C (149°F). A reprocessing program may include the following steps:

1. Pre-wash with cold water to remove dirt and foaming substances.
2. Cleaning is performed with use of suitable pH-neutral or alkaline products added to hot or cold distilled water at temperatures of 40-60°C (104-140°F) for at least 5 minutes.
3. Intermediate rinse in hot or cold distilled water followed by chemo-thermal disinfection. Special cleaning agent, compatible with machine-disinfection, is used.
4. Intermediate rinse in hot or cold distilled water without additives.
5. Final rinsing with distilled water at higher temperature.
7. Drying might be carried out in washer/disinfector or in other possible ways. Sterile compressed air should be used to insufflate cavities of the instruments.
8. The cleaning device must be regularly maintained, checked and validated in accordance with internal and manufacturer requirements.
9. When processing the ophthalmic instruments we recommend using the additional intermediate rinsing with water in the washing programs before the final rinse.

**Additional rinsing outside the washing equipment is not required.**

A combination of processing stages 1 and 2 is allowed.

**WARNING! Tools with blind holes, long narrow tips (e.g. tips, cannulas, handpieces and etc), hinges (3-joint instruments) need more attention during cleaning process. The temperature at all stages of the process should not exceed 170°C (338°F).**

Aspiration speculums require additional cleaning of silicone tubes prior to be sterilized.

First, soak the instrument in the soap solution at temperature of 50°C (122°F) and keep it there for 15 min. After that wash the instrument with brush and cotton/gauze pad. Take the instrument out of soap bath and wash it under streaming water for 3 min. Rinse the instrument with distilled or deionized water. Then attach a syringe filled with warm water into the luer lock and rinse the silicone tubes of the instrument. Finally, blow them with air by forcing one or two syringes full of air through the tubes.

LUBRICATION

Moving parts and working mechanisms of the Rumex instruments should be lubricated occasionally with a medical grade instrument lubricant (especially after an ultrasonic bath) to ensure the smooth operation of the working mechanism. The lubricant must be biocompatible, suitable for steam sterilization and vapor-permeable. No silicone oil should be applied. The paraffin/white oil based lubricants are allowed to be used. After cleaning process let the instruments cool down to room temperature prior to their actuation, as otherwise metal abrasion may develop when the details of the tools rub against each other. This may destroy the instruments' functionality. The recommended directions of the instrument lubricant manufacturer and your institution should be observed.

Stage 3: STERILIZATION

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

**WARNING! Never store the instruments close to the chemicals.**

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

STERILIZATION CYCLES

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

**WARNING! Only clean and disinfected products can be sterilized.**  
**for lumen instruments (e.g. tips, cannulas, handpieces) the gravity procedure is not suitable!**

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

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

**WARNING! ETO method is not recommended for diamond knives sterilization.**

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

**WARNING! The sterilization steam must not contain any impurities.**

**Gas plasma sterilization is not recommended as delicate instruments might be physically damaged when exposed to low pressure.**

The above-mentioned sterilization cycles represent the industry standards and should be capable of producing a sterile device. Due to variations in sterilization equipment and device bioburden in clinical use, RUMEX International Co. is not able to provide specific cycle parameters. It is the responsibility of each user to perform the validation and verification of the sterilization cycle to ensure an adequate sterility assurance level for our products.

**WARNING! Follow the guidelines of the processing times. The rapid sterilization process should be reserved for emergency processing only and should not be used for routine instrument sterilization. Longer sterilization period and higher temperatures can lead to premature aging of instruments.**

## RECOMMENDED PRODUCTS FOR CARE AND CLEANING

Product name, Manufacturer	Description	Composition	Processing stage	Compatibility
<b>SEKUSEPT Activ,</b> Ecolab Deutschland GmbH	<b>Disinfectant</b> for automatic and manual processing of tools	≥ 30% oxygen-based bleaching agents; <5% non-ionic surfactants, phosphonates; 50% sodium perborate monohydrate; 25% tetraacetylenediamine; active antimicrobial components, nonionic surfactants, corrosion inhibitor; <b>pH of 2% solution: 7.4-8.4</b>	Disinfection; Pre-sterilization cleaning; Sterilization	Compatible. Discoloration of metal, residual detergent or water film formation may occur.
<b>Neodisher MediClean Forte,</b> Dr. Weigert GmbH & Co.	<b>Detergent</b> for automatic and manual cleaning of surgical instruments. Prevents reprecipitation of protein residues.	< 5% non-ionic and anionic surfactants; enzymes; <b>pH: 10.4-10.8</b>	Pre-sterilization cleaning	Compatible. Discoloration of metal, residual detergent or water film formation may occur.
<b>Neodisher MediKlar,</b> Dr. Weigert GmbH & Co.	<b>Rinser</b> for automatic and manual cleaning of surgical instruments. Recommended for use with MediClean forte. Prevents reprecipitation of protein residues.	< 5% anionic surfactants, polycarboxylates; 5 - 15% non-ionic surfactants also preservatives; 2-octyl-2H-isothiazol-3-one, a mixture of: 5-Chloro-2-methyl-2H-isothiazol-3-one [EC-no.247-500-7] and 2-Methyl-2H-isothiazol-3-one; <b>pH: 5.9-6.9</b>	Pre-sterilization cleaning	Compatible
<b>ERIZYME,</b> KiiltoClean FARMOS Oy	<b>Detergent</b> for hand treatment, washer disinfectors and ultrasonic treatment	non-ionic surfactants (< 5%); amphoteric surfactants (< 5%); complexing agent (5-15%); monopropylene glycol (15-30%); anti-foaming agent; enzymes; <b>pH: 7.5</b>	Pre-sterilization cleaning	Compatible
<b>ERISAN OXY+,</b> KiiltoClean FARMOS Oy	<b>Disinfectant</b> in disposable sachets	sodium percarbonate 30 - <50%; citric acid 15 - <30%; tartaric acid 5 - <15%; <b>pH: 5.9-6.9</b>	Disinfection; Pre-sterilization cleaning; Sterilization	Compatible

**Fully demineralized water for rinsing and correct loading must be used to prevent staining!**

The color of titanium instruments may change due to development of different properties of oxide layers. Such discoloration does not bring a safety risk, as well as water stains on the surface of the instruments. They don't affect the biocompatibility, functionality, and lifetime of the instruments. However, discoloration may affect the visual inspection of the tools (e.g. determining residual dirt). To prevent the color change of titanium instruments, use only neutral or mild alkaline cleaning agents. While using them, do not exceed a temperature of 70°C (158°F).

#### AT THE END OF THE SURGICAL DAY

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

## DIAMOND KNIVES STERILIZATION

### APPLICATION

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

### CHARACTERISTICS

The blades are made of natural diamonds and the handles are manufactured from titanium alloy. The thickness of the diamond blade cutting edge should not exceed 0.2 µm. The blade points must be edged with no visible chips (visible at 100x power magnification). The diamond knife consists of a titanium handle and a diamond blade. The handle is fit with a mechanism providing blade installation and its safe fixation in an operative and non-operative position. The construction of the knife can be changed in order to improve its usability.

### USAGE INSTRUCTIONS

1. The diamond blade is very fragile, therefore, each knife must be handled, cleaned, and stored delicately. Avoid blows or vibrations. Any contact of the blade with other instruments or materials should be avoided.
2. Before using a knife, make sure there are no chips on the cutting edge. A microscope with at least 100x power magnification should be used for the inspection.
3. When transporting diamond knives, the blades must be fully retracted into the handles (non-operative position). We recommend the knives to be kept and carried in sterilizing cases or with a PTFE shipping clamp to avoid self-movement. When a knife is not in use, its blade must be retracted into the handle and protected from mechanical damage.
4. Please rotate the movable part of the handle clockwise and fix the blade to set the knife in its operative position. The blade is to be set in the operative position for the surgical operation just prior to usage.
5. After usage, slightly pull the movable part of the handle downwards and rotate counterclockwise to return the blade into its non-operative position. To avoid accidental movements of the spring, please make sure the handle is fixed tightly. When a handle is fixed, a slight click will occur.
6. To install the knife with a micrometer, pull the protective cap down and rotate the bottom part of the handle (with a scale) downwards; the blade will appear. Customize the depth of the blade by screwing the handle; the scale marks will indicate the chosen depth. The scale increment is 0.005 mm. Rotate the handle upwards then put on the protective cap to set the knife in the initial non-operative position.

The service life of the knife varies due to usage and handling. The blade must never be dropped or be in contact with foreign objects. The blade and the spring mechanism need to be handled with care and caution. Never disassemble the parts of the knife.

### CLEANING

1. Use a syringe with distilled or demineralized water to flush the instrument.
2. Dip the knife (blade retracted) into weak alkaline cleaning solution and keep for 60 minutes at a temperature of 22°C (72°F).
3. The handle of a knife can be cleaned with a soft brush.
4. Flush the instrument with flowing water for 30 seconds, then sluice with distilled water for other 30 seconds; the blade should be pointed down for flushing.

**WARNING! DO NOT apply ultrasonic cleaning to diamond knives.**



We recommend to use a Diamond Knife Cleaning Pack (21-602-1) for gentle cleaning of the blade. The pack contains three solutions that eliminate residual debris off the blade and prepare it for sterilization. Diamond knives can be cleaned in an automatic washer designed for micro-surgical instruments. Please follow the manufacturer's instruction.

**PLEASE OBSERVE THE GENERAL INSTRUCTIONS FOR CARE, CLEANING AND STERILIZATION BEFORE HANDLING THE TOOL! SEE P. (p.171)**

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

**WARNING!**

**ETO method is not recommended for diamond knives sterilization.**



**The knife must not be treated at more than 140°C (284°F).**

**Gas plasma sterilization is not recommended as delicate instruments might be physically damaged when exposed to low pressure.**

**STORAGE**

Diamond knives must be kept at a temperature from 10 to 25°C (50 to 77°F) and relative air humidity at max. 75% at 25°C (77°F). Indoor air must not contain corrosive additive agents. The blade must be fully retracted into the handle (non-operative position). Self-movement, blows or vibrations must be avoided.

**INSPECTION**

Incoming inspection is obligatory. It includes:

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

Please examine the blade before each operation and never use a knife in the event any defect is noticed. Damaged knives should be sent for resharpening or blade replacement.

**MANUFACTURER’S WARRANTY**

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

## HANDLING OF VITREORETINAL AND MICROINCISIONAL INSTRUMENTS

### APPLICATION

RUMEX Instruments (ophthalmic scissors and forceps for vitreoretinal and microincisional surgery) are designed for various applications in ophthalmic surgery. It is essential that the instrument is cleaned and sterilized before initial use and after each surgery, following as outlined in this instruction brochure.

### CARE AND HANDLING

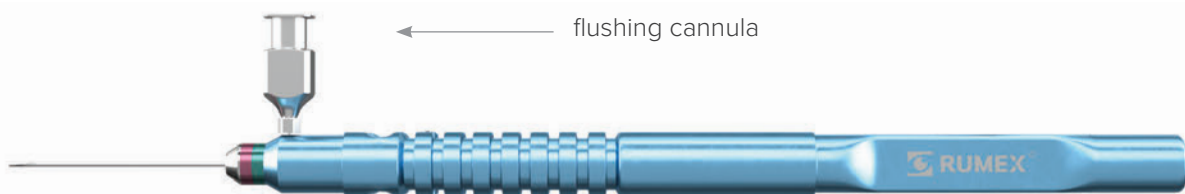
The intraocular tips have a delicate precision mechanism inside. Intraocular fluids will enter this mechanism during surgery. Proteins may also accumulate inside of the mechanism. If these fluids are not promptly and properly cleaned out, it will lead to corrosion or clogs and the possibility of instrument malfunction. Ensure the cleaning procedure is implemented after each surgery — warranty shall not extend to instruments that have been improperly handled. One-piece and two-piece vitreoretinal instruments are cleaned by use of special adaptor and cannula.

### CLEANING OF TWO-PIECE VITREORETINAL INSTRUMENTS



1. Unscrew the tip from the handle, then attach flushing adapter 12-000T.
2. Flush the tip with distilled or demineralized water by connecting a syringe filled with water to adapter.
3. Flush the tip with alcohol - this will remove the water and facilitate drying.
4. Dry the tip by forcing one or two syringes full of air through tip. Pressurized air is recommended, as it flushes out debris and fluid more efficiently than syringe forced air. Thoroughly dry handle, tip and cup.
5. Handle should be soaked in distilled or demineralized water for two minutes.
6. Dry with surgical sponge.
7. Lubricate joints in handle with instrument milk and work the mechanism by pressing the key.

### CLEANING OF ONE-PIECE VITREORETINAL INSTRUMENTS



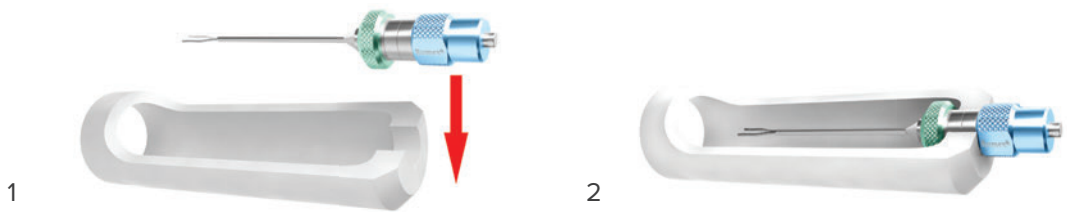
1. Put the instrument into PTFE protector (provided).
2. Soak it in the soap solution at temperature of 50°C (122°F) and keep it there for 15 min.
3. Wash the handle with brush and cotton/gauze pad.
4. Take the instrument out of soap bath and wash it under streaming water for 3 min.
5. Rinse the instrument with distilled or demineralized water.
6. After that flush the instrument with alcohol solution. It will remove water and contribute to drying.
7. Next, adjust the cannula on the luer of the syringe and fill the syringe with distilled or demineralized water.
8. A tube of the cannula then should be inserted into the port, situated at the base of the barrel near the colored wheels.
9. Flush the tube of the instrument and the tip with distilled or demineralized water by forcing syringe plunger. Then repeat the procedure with use of alcohol solution.
10. Finally, blow the air inside the tube by forcing it from the syringe into the port of the instrument. Pressurized air is recommended, as it flushes out debris and fluid more efficiently than syringe forced air.

**WARNING! DO NOT apply ultrasonic cleaning to vitreoretinal and microincisional tips.**

STORAGE

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

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



1. Match the nut indicating the gauge with the hub, press the tip gently. Make sure the branches do not touch the protector
2. The tips in their final position — safely fixed by the protector.

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

**PLEASE OBSERVE THE GENERAL INSTRUCTIONS FOR CARE, CLEANING AND STERILIZATION BEFORE HANDLING THE TOOL! SEE P. (p.171)**

**WARNING!**

**Gravity displacement is not suitable for vitreoretinal and microincisional tips.**

**Gas plasma sterilization is not recommended as delicate instruments might be physically damaged when exposed to low pressure.**

# ABBREVIATIONS

BRVO	Branch Retinal Vein Occlusion
BSS	Balanced Salt Solution
CPM	Cuts per Minute
CRVO	Central Retinal Vein Occlusion
DALK	Deep Anterior Lamellar Keratoplasty
DLEK	Deep Lamellar Endothelial Keratoplasty
DMEK	Descemet's Membrane Endothelial Keratoplasty
DSAEK	Descemet's Stripping Automated Endothelial Keratoplasty
DSEK	Descemet's Stripping Endothelial Keratoplasty
ECCE	Extracapsular Cataract Extraction
ERM	Epiretinal Membrane
I/A	Irrigation / Aspiration
ICL	Implantable Collamer Lens
ICRS (implantation)	Intrastromal Corneal Ring Segments
ID	Inner Diameter
ILM	Internal Limiting Membrane
IOL	Intraocular Lens
LASEK	Laser-Assisted Sub-Epithelial Keratectomy
LASIK	Laser-Assisted in Situ Keratomileusis
LHD	Left Handed Doctor
LRI	Limbal Relaxing Incisions
MICS	Micro Incision Coaxial Surgery
MVR (knife)	Micro-vitreoretinal
OD	Outer Diameter
OVD	Ophthalmic Viscosurgical Device
PFC	Perfluorocarbon
PRK	Photorefractive Keratectomy
PVD	Posterior Vitreous Detachment
ReLEx SMILE	Refractive LEnticule Extraction SMAll Incision Lenticule Extraction
RHD	Right Handed Doctor
SMILE	Small Incision Lenticule Extraction
STSS	Stainless Steel
Ti	Titanium

A		
Abdullayev		
3-024T	Abdullayev I & II Marker (for DSAEK/DMEK Grafts), Titanium, Length 135 mm	30
3-0231	Abdullayev Corneal Marker for Keratoplasty, Double-Ended (10.00 mm and 11.00 mm Diameters), with Central Marking Point, Length 146 mm, Round Titanium Handle	30
4-261S	Abdullayev DMEK Grasping Forceps, Length 82 mm, Stainless Steel	30
3-0230	Abdullayev Scleral Marker for Keratoplasty, Double-Ended (16.00 mm and 16.50 mm Diameters), Length 153 mm, Round Titanium Handle	30
4-2132T	Acrylic Lens Insertion Forceps, Flat Handle, Length 105 mm, Titanium	59
4-2132S	Acrylic Lens Insertion Forceps, Flat Handle, Stainless Steel	59
2-064T	Adler Wound Gauge, 2.00 - 2.50 mm Ranges, Titanium	37
Adson		
4-0740T	Dressing Forceps, Flat Handle, Length 124 mm, Titanium	58
4-0740S	Dressing Forceps, Flat Handle, Stainless Steel	58
4-0741S	Fixation Forceps, 0.50 mm, 1 x 2 Teeth, Length 124 mm, Stainless Steel	58
4-0741T	Fixation Forceps, 0.50 mm, 1 x 2 Teeth, Length 124 mm, Titanium	58
Akahoshi		
4-2138T	Forceps for Acrylic Lens, Cross Action, Length 108 mm, Titanium	59
7-1163S	Hybrid Combo Prechopper, Straight, Cross Action, Max Opening 2.80 mm, Round Handle, Length 121 mm, Stainless Steel	76
Alger Brush		
16-051-2.5	Power handle W/ 2.50 mm Round Diamond Dusted Burr	115
16-050-3.5	Power handle W/ 3.50 mm Round Medium Diamond Dusted Burr	115
16-050-5.0	Power handle W/ 5.00 mm Disk Shaped Diamond Dusted Burr	115
16-141	Power handle W/ 0.50 mm tungsten Burr	115
16-140	Power handle W/ 1.00 mm tungsten Burr	115
Replacement Burr		
16-143B	Tungsten, 0.50 mm Diameter	115
16-142B	Tungsten, 1.00 mm Diameter	115
16-051-2.5B	Diamond Dusted, Round, 2.50 mm Diameter	115
16-051-3.5B	Diamond Dusted, Round, 3.50 mm Diameter	115
16-052-5.0B	Diamond Dusted, Disk Shaped, 5.00 mm Diameter	115
Anel Lacrimal Cannula		
15-035-23C	Curved, 23 Ga, special long mount blunt tip	114
15-035-25C	Curved, 25 Ga, special long mount blunt tip	114
15-035-23S	Straight, 23 Ga, special long mount blunt tip	114
15-035-25S	Straight, 25 Ga, special long mount blunt tip	114
Anterior Chamber Cannula (Rycroft)		
21-R2023	23 Ga x 22 mm, 4 mm bend length, 10 per Box	25
21-R2025	25 Ga x 7 x 22 mm, 4 mm bend length, 10 per Box	25
21-R2030	30 Ga x 22 mm, 4 mm bend length, 10 per Box	25
21-R2027-8	27 Ga x 22 mm, 8 mm bend length, 10 per Box	25
21-R2520	Anterior Chamber Maintainer (Lewicky) 20 Ga, 15.2 cm tubing	25
AquaFree Hydrophobic IOLs		
IOLs	AquaFree Yellow Aspheric Hydrophobic	12
IOLs	AquaFree Yellow Aspheric Hydrophobic Preloaded	12
Aspiration Handpiece for Bimanual Technique, Curved		
7-082	21 Ga, One Top Port 0.35 mm, Length 104 mm, Titanium Handle	82
7-0821	22 Ga, One Top Port 0.35 mm, Length 104 mm, Titanium Handle	82
7-0821-23	23 Ga, One Top Port 0.30 mm, Length 104 mm, Titanium Handle	82
7-0826	23 Ga, 1.00 x 0.30 mm Port, Polished Ball Tip, Curved, Length 104 mm, Titanium Handle	82
4-260T	ARTISAN® Implantation Forceps, Flat handle, Length 100 mm, Titanium	31
15-001-23	Atkinson Retrobulbar Needle, 23 Ga x 38.00 mm	109
12-412	Avci Foreign Body Forceps, 17 Ga, Tip Only	135
7-135	Axe Quick Chopper, Angled, 10.00 mm from Bend to Tip, Length 120 mm, Round Titanium Handle	77
7-135	Axe Quick Chopper, Angled, 10.00 mm from Bend to Tip, Length 120 mm, Round Titanium Handle	77
B		
15-031	Bailey Lacrimal Cannula, 23 Ga	114
1-020S	Bard Parker Handle, Flat, Length 125 mm, Stainless Steel	36
Backflush Handle		
12-6000	Active Aspiration, Length 118 mm, Titanium	144
12-6010	Passive Aspiration, Length 108 mm, Titanium	144

<b>Backflush Instrument</b>		
12-5162H	with brush tip, disposable, 23 Ga, 6 per Box	144
12-5160H	with brush tip, disposable, 25 Ga, 6 per Box	144
12-5167H	with brush tip, disposable, 27 Ga, 6 per Box	144
12-5164H	with Charles Flute tip, disposable, 23 Ga, 6 per Box	144
12-5156H	with Charles Flute tip, disposable, 25 Ga, 6 per Box	144
12-5492H	with Charles Flute tip, disposable, 27 Ga, 6 per Box	144
12-5161H	with soft tip, disposable, 23 Ga, 6 per Box	144
12-5152H	with soft tip, disposable, 25 Ga, 6 per Box	144
12-5491H	with soft tip, disposable, 27 Ga, 6 per Box	144
<b>Barraquer</b>		
11-1223	Barraquer Iris Scissors, Blunt Tips, 7.00 mm Blades, Flat Serrated Squeeze Action Handle with Polished Finish, Length 55 mm, Stainless Steel	90
<b>Needle Holder</b>		
<b>Extra Fine Jaws</b>		
8-050T	8.00 mm, Curved, with Lock, Long Size, Length 125 mm, Titanium	84
8-024T	8.00 mm, Curved, with Lock, Small Size, Length 100 mm, Titanium	84
8-051T	8.00 mm, Curved, without Lock, Long Size, Length 125 mm, Titanium	84
8-051S	8.00 mm, Curved, without Lock, Long Size, Length 125 mm, Stainless Steel	84
8-045T	8.00 mm, Curved, without Lock, Medium Size, Length 115 mm, Titanium	84
8-045S	8.00 mm, Curved, without Lock, Medium Size, Length 115 mm, Stainless Steel	84
8-025T	8.00 mm, Curved, without Lock, Small Size, Length 100 mm, Titanium	84
<b>Fine Jaws</b>		
8-070T	12.00 mm, Curved, with Lock, Long Size, Length 125 mm, Titanium	84
8-040T	12.00 mm, Curved, with Lock, Medium Size, Length 115 mm, Titanium	84
8-040S	12.00 mm, Curved, with Lock, Medium Size, Length 115 mm, Stainless Steel	84
8-020T	12.00 mm, Curved with Lock, Small Size, Length 100 mm, Titanium	84
8-071T	12.00 mm, Curved, without Lock, Long Size, Length 125 mm, Titanium	84
8-071S	12.00 mm, Curved, without Lock, Long Size, Length 125 mm, Stainless Steel	84
8-041T	12.00 mm, Curved, without Lock, Medium Size, Length 115 mm, Titanium	84
8-041S	12.00 mm, Curved, without Lock, Medium Size, Length 115 mm, Stainless Steel	84
8-021T	12.00 mm, Curved, without Lock, Small Size, Length 100 mm, Titanium	84
<b>Standard Jaws</b>		
8-060T	12.00 mm, Curved, with Lock, Long Size, Length 125 mm, Titanium	84
8-030T	12.00 mm, Curved, with Lock, Medium Size, Length 115 mm, Titanium	84
8-010T	12.00 mm, Curved with Lock, Small Size, Length 100 mm, Titanium	84
8-061T	12.00 mm, Curved, without Lock, Long Size, Length 125 mm, Titanium	84
8-031T	12.00 mm, Curved, without Lock, Medium Size, Length 115 mm, Titanium	84
8-031S	12.00 mm, Curved, without Lock, Medium Size, Length 115 mm, Stainless Steel	84
8-011T	12.00 mm, Curved, without Lock, Small Size, Length 100 mm, Titanium	84
8-013T	12.00 mm, Straight, without Lock, Small Size, Length 100 mm, Titanium	84
<b>Strong Jaws</b>		
8-090T	12.00 mm, Curved, with Lock, Long Size, Length 125 mm, Titanium	84
8-091T	12.00 mm, Curved, without Lock, Length 125 mm, Titanium	84
8-091S	12.00 mm, Curved, without Lock, Length 125 mm, Stainless Steel	84
<b>Speculum</b>		
<b>Solid Blades</b>		
14-0231	Child size, 11.00 mm Blades, Length 35 mm, Stainless Steel	108
14-0241S	Newborn Size, 5.00 mm Blades, Length 28 mm, Stainless Steel	108
14-0221S	Adult Size, 14.00 mm Blades, Length 40 mm, Stainless Steel	108
14-0222S	Premature Size, 4.00 mm Blades, Length 28 mm, Stainless Steel	108
<b>Wire Blades</b>		
14-0287S	Open 10.00 mm Blades, Child Size, Length 36 mm, Stainless Steel	108
14-024S	Infant Size, 10.00 mm Blades, Length 38 mm, Stainless Steel	108
14-022S	Adult Size, 14.00 mm Blades, Length 45 mm, Stainless Steel	108
14-022D	Disposable, Adult Size, 6 per Box	108
14-023S	Child Size, 11.00 mm Blades, Length 38 mm, Stainless Steel	108
14-0281S	Fenestrated 11.00 mm Blades, Child Size, Length 36 mm, Stainless Steel	108
14-028S	Fenestrated 14.00 mm Blades, Adult Size, Length 40 mm, Stainless Steel	108
14-0244S	Newborn Size, 4.00 mm Blades, Length 25 mm, Stainless Steel	108
14-026S	Child Size, Open 11.00 mm Blades, Length 40 mm, Stainless Steel	108
14-025S	Adult Size, Open 14.00 mm Blades, Length 45 mm, Stainless Steel	108
14-0286S	Adult Size, 14.00 mm Open Blades, Length 45 mm, Stainless Steel	108

14-0282S	Adult Size, Round Open 14.00 mm Blades, Length 40 mm, Stainless Steel	108
<b>Bechert</b>		
5-034	Nucleus Rotator, Angled, "Y" Shaped Tip, Length 121 mm, Round Titanium Handle	68
5-034S	Nucleus Rotator, Angled, "Y" Shaped Tip, Length 121 mm, Round Handle, Stainless Steel	68
<b>Beehler</b>		
10-091	Pupil Dilator with Plunger, Four Prongs, 17 Ga, Curved, Length 130 mm, Titanium Handle	87
10-083	Pupil Dilator, Four Prongs, Intraocular Handle, 17 Ga, Curved Shaft, Length 130 mm, Titanium Handle	87
16-138	Belz Lacrimal Sac Ronger, Polished finish, Length 185 mm, Stainless Steel	117
13-147	Bicalto Guide, Blunt tip, Angled, Length 121 mm, Round Titanium Handle	103
<b>Bishop-Harmon</b>		
15-055-19	Anterior Chamber Cannula, 19 Ga x 25.00 mm, Angled, Spatulated	119
4-0607S	Suturing Forceps, 0.30 mm, 1 x 2 Teeth, 5.00 mm Tying Platform, Length 87 mm, Stainless Steel	65
1-010T	Blade Holder, Round Handle, with End Lock, Length 95 mm, Titanium	36
<b>Bonaccolto</b>		
4-2300T	Utility Forceps, Flat Handle, 15.00 mm Atraumatic Serrations, Length 100 mm, Titanium	67
4-2300S	Utility Forceps, Flat Handle, 15.00 mm Atraumatic Serrations, Length 100 mm, Stainless Steel	67
<b>Bores</b>		
3-090T	Axis Marker, Used with Mendez Degree (2-030T, 2-031T, 2-033T, 2-0331T) to Mark the Axis, Length 123 mm, Titanium	38
3-090S	Axis Marker, Used with Mendez Degree (2-030T, 2-031T, 2-033T, 2-0331T) to Mark the Axis, Length 123 mm, Stainless Steel	39
3-091T	Axis Marker, Used with Gauges 2-034T, 2-036T to Mark the Axis, Length 123 mm, Titanium	39
<b>Bowman Lacrimal Probe</b>		
9-010S	Size 0000-000, Length 133 mm, Stainless Steel	85
9-011S	Size 00-0, Length 133 mm, Stainless Steel	85
9-012S	Size 1-2, Length 133 mm, Stainless Steel	85
9-013S	Size 3-4, Length 133 mm, Stainless Steel	85
9-014S	Size 5-6, Length 133 mm, Stainless Steel	85
9-015S	Size 7-8, Length 133 mm, Stainless Steel	85
15-057	Bracken Flattened Anterior Chamber Cannula, 19 Ga x 23.00 mm	110
<b>Braunstein Fixed Caliper</b>		
2-101T	3.00-3.50 mm, Length 80 mm, Titanium	37
2-100S	3.50-4.00 mm, Length 80 mm, Stainless Steel	37
2-100T	3.50-4.00 mm, Length 80 mm, Titanium	37
<b>Brush Tip Cannula</b>		
12-5162	23 Ga, 5 per Box 233	144
12-5160	25 Ga, 5 per Box 233	144
12-5167	27 Ga, 5 per Box 234	144
13-1091-23	BRVO Knife, 23 Ga, Length 132 mm, Round Titanium Handle	136
<b>Bunge</b>		
16-062	Evisceration Spoon, Large, Length 141 mm, Round Titanium Handle	118
16-061	Evisceration Spoon, Small, Length 137 mm, Round Titanium Handle	118
<b>C</b>		
15-450-27	Cannula for DALK Procedure, 0.2 mm port, 27 Ga	113
<b>Capsulorhexis Forceps</b>		
4-03751	Fine-Ikeda, 23 Ga, Tip Only	51
4-03761	Ikeda Micro, 23 Ga, Tip Only	51
4-0391S	Inamura Style, Cross Action, S-R, 10.00 mm Curved Jaws, Length 115 mm, Stainless Steel	48
4-0392S	Inamura Style, S-R, Cross Action, 12.00 mm Curved Jaws, Length 117 mm, Stainless Steel	48
4-03771	Kawai Capsulorhexis Forceps, 23/25 Ga, Tip Only	51
4-0312S	Microcoaxial Capsulorhexis Forceps, Ultra Thin, 11.50 mm Curved Jaws, for 2.00 mm Incision, with Alignment Mechanism, Length 106 mm, Stainless Steel	45
4-033S	Small-incision, with Double Cross-Action and Scale, Cystotome Tips, Micro-Thin Jaws, for 1.50 mm incisions, Flat Handle, Length 105 mm, Stainless Steel	49
4-032S	Small-incision, with Limiter, Cystotome Tips, Curved Micro-Thin Jaws, Fits through 2.00 mm incision, Flat Handle, Length 105 mm, Stainless steel	4
4-0374	with Internal Ruler, 23 Ga, 2 Engravings, with Lock, Micro Jaws, Tip Only	46
4-0375	with Internal Ruler, 23 Ga, 6 Engraving, with Lock, Micro Jaws, Tip Only	46
4-0395	with SCALE (2.50 mm, 5.00 mm From The Tip), Cross Action, Curved, Stainless Steel Jaws 8.50 mm, for 1.50 mm Incisions, Flat Titanium Handle, Length 110 mm	46
4-0394	with Scale (2.50 mm, 5.00 mm From The Tip), Cross Action, Curved Stainless Steel Jaws 8.50 mm, for 1.50 mm Incisions, Length 110 mm, Round Titanium Handle	49

4-0395S	with Scale (2.50 mm, 5.00 mm From The Tip), Cross Action, Curved Stainless Steel Jaws 8.50 mm, for 1.50 mm Incisions, Length 110 mm, Flat Stainless Steel Handle	49
4-0395T	with Scale (2.50 mm, 5.00 mm From The Tip), Cross Action, Curved Titanium Jaws 8.50 mm, for 1.50 mm Incisions, Length 110 mm, Flat Titanium handle	49
4-0396	with Scale (2.50 mm, 5.00 mm From The Tip), Cross Action, Straight Stainless Steel Jaws 8.50 mm, for 1.50 mm Incisions, Length 110 mm, Flat Titanium Handle	49
4-03791	with View Port, 23 Ga, 7 Engravings, Reduced Length, Gently Curved Tube, Micro Jaws 0.80 mm, Tip Only	51
<b>Utrata</b>		
<b>Cystotome Tips</b>		
4-0300S	11.50 mm Straight Jaws, Flat Handle, Length 82 mm, Stainless Steel	47
4-0300T	11.50 mm Straight Jaws, Flat Handle, Length 82 mm, Titanium	47
4-0301T	11.50 mm Straight Jaws, Long Flat Handle, Length 107 mm, Titanium	47
4-0311T	11.50 mm Straight Jaws, Round Handle, Length 110 mm, Titanium	47
4-0311S	11.50 mm Straight Jaws, Round Handle, Length 110 mm, Stainless Steel	48
4-0301S	11.50 mm Straight Jaws, Long Flat Handle, Length 107 mm, Stainless Steel	48
4-0321S	11.50 mm Curved Jaws, Flat Handle, Length 107 mm, Stainless Steel	48
4-0321T	11.50 mm Curved Jaws, Flat Handle, Length 107 mm, Titanium	48
4-0331T	11.50 mm Curved Jaws, Round Handle, Length 110 mm, Titanium	48
4-0331S	11.50 mm Curved Jaws, Round Handle, Length 110 mm, Stainless Steel	48
4-0331D	Curved, Disposable, 6 per Box	48
4-0311D	Straight, Disposable, 6 per Box	48
<b>with SCALE</b>		
4-03315T	6 Engravings, 1.00 mm, Cystotome Tips, 11.50 mm Curved Jaws, Round Handle, Length 110 mm, Titanium	48
4-03315S	6 Engravings, 1.00 mm, Cystotome Tips, 11.50 mm Curved Jaws, Round Handle, Stainless Steel	48
4-03115T	6 Engravings, 1.00 mm, Cystotome Tips, 11.50 mm Straight Jaws, Round Handle, Length 110 mm, Titanium	48
4-03115S	6 Engravings, 1.00 mm, Cystotome Tips, 11.50 mm Straight Jaws, Round Handle, Length 110 mm, Stainless Steel	48
4-03314T	2 Engravings at 3.00, 6.00 mm, Cystotome Tips, 11.50 mm Curved Jaws, Round Handle, Length 110 mm, Titanium	48
4-03114T	2 Engravings at 3.00, 6.00 mm, Cystotome Tips, 11.50 mm Straight jaws, Round Handle, Length 110 mm, Titanium	48
4-03314S	2 Engravings at 3.00, 6.00 mm, Cystotome Tips, 11.50 mm Curved Jaws, Round Handle, Length 110 mm, Stainless Steel	48
<b>Regular Tips</b>		
4-030T	11.50 mm Straight Jaws, Flat Handle, Length 82 mm, Titanium	47
4-031T	11.50 mm Straight Jaws, Round Handle, Length 110 mm, Titanium	48
4-2141T	Cartridge Loading Forceps, for Inserting IOL Into A, B, C, D Cartridges, Thin And Smooth Jaws, Length 109 mm, Titanium	60
<b>Capsulotomy Scissors</b>		
11-03741	Side-Port, Left, 20 Ga, W/Lock, Tip Only	92
11-03751	Side-Port, Right, 20 Ga, Tip Only	92
11-0501S	Clayman-Vannas Swan Neck, Straight, Sharp Tips, 5.00 mm Blades, Smooth Handle, Length 81 mm, Stainless Steel	92
<b>Gills-Vannas</b>		
11-0581S	Angled, Sharp Tips, 10.00 mm Blades, Flat Handle, Length 84 mm, Stainless Steel	92
11-058S	Curved, Sharp Tips, 10.00 mm Blades, Flat Handle, Length 88 mm, Stainless Steel	92
11-056S	Straight, Sharp Tips, 10.00 mm Blades, Flat Handle, Length 88 mm, Stainless Steel	92
<b>Vannas</b>		
11-054S	Angled, Sharp Tips, 6.00 mm Blades, Flat Handle, Length 81 mm, Stainless Steel	92
11-052S	Curved, Sharp Tips, 6.00 mm Blades, Flat Handle, Length 84 mm, Stainless Steel	92
11-050S	Straight, Sharp Tips, 6.00 mm Blades, Flat Handle, Length 84 mm, Stainless Steel	92
11-052D	Curved, Sharp Tips, Disposable, 6 per Box	92
<b>Capsule Polisher</b>		
7-101	Anterior/Posterior, Angled 135°, Length 120 mm, Round Titanium Handle	80
<b>Jensen</b>		
15-159-25	Capsule Polisher, Curved, Olive sand blasted tip 25 Ga	112
15-159-27	Capsule Polisher, Curved, Olive sand blasted tip 27 Ga	112
7-142	Holz, Angled Shaft, Texturized Bottom And Sharpened Ridge At The Top for Delicate Polishing, Length 123 mm, Round Titanium Handle	80
15-169-23	Kratz Capsule Polisher, 23 Ga x 22 mm, 0.3 mm top port	112
15-170	Microincisional Cannula, Disc-shaped, 23 Ga	112
<b>Cartridge for IOL Injector</b>		
CAT-22	for 2.20 mm Incision, disposable, 20 per Box	15
CAT-24	for 2.40 mm Incision, disposable, 20 per Box	15

CAT-27	for 2.70 mm Incision, disposable, 20 per Box	15
<b>Castroviejo</b>		
2-010S	Caliper, Measure 0-20 mm, Both Sides Scale, Length 87 mm, Stainless Steel	37
2-010T	Caliper, Measure 0-20 mm, Both Sides Scale, Length 87 mm, Titanium	37
4-0541T	Colibri Corneal Forceps, 0.12 mm, 1 x 2 Teeth, Flat Handle, Length 107 mm, Titanium	55
13-052	Cyclodialysis Spatula, 0.75 mm x 10.00 mm Blades, Length 124 mm, Round Titanium Handle	94
13-051	Cyclodialysis Spatula, 1.00 mm Wide, 10.00 mm Long Tip, Length 124 mm, Round Titanium Handle	94
13-050	Double-Ended Cyclodialysis Spatula, 0.50 mm Width, 10.00 mm & 15.00 mm Blades, Length 136 mm, Round Titanium Handle	94
9-060T	Double-Ended Lacrimal Dilator, Size 1 & 2, Length 100 mm, Titanium	85
9-060S	Double-Ended Lacrimal Dilator, Size 1 & 2, Length 100 mm, Stainless Steel	85
4-0822T	Fixation Forceps, 0.50 mm, 1 x 2 Teeth, without Tying Platform, Length 109 mm, Titanium	58
<b>Needle Holders</b>		
8-0921T	Straight, with Lock, Delicate jaws 13.50 mm, 122 mm Length, Titanium	83
8-0921S	Delicate jaws 13.50 mm, Straight, with Lock, Length 122 mm, Stainless Steel	83
8-096T	Delicate Jaws, Gripping Surface 8.00 mm, Curved, without Lock, Length 135 mm, Titanium	83
8-096S	Delicate Jaws, 8.00 mm, Curved, without Lock, Length 135 mm, Stainless Steel	83
8-100T	Standart Jaws, Gripping Surface 11.00 mm, Curved, with Lock, Length 140 mm, Titanium	83
8-100S	Standart Jaws, 11.00 mm, Curved, with Lock, Length 140 mm, Stainless Steel	83
14-061T	Speculum, Flat branches, Fenestrated 14.00 mm Blades, Adult Size, Length 85 mm, Titanium	105
<b>Suturing Forceps</b>		
4-0600S	0.12 mm, 1 x 2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 110 mm, Stainless Steel	65
4-0600T	0.12 mm, 1 x 2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 110 mm, Titanium	57
4-0601S	0.30 mm, 1 x 2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 108 mm, Stainless Steel	65
4-0601T	0.30 mm, 1 x 2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 108 mm, Titanium	65
4-0602S	0.50 mm, 1 x 2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 108 mm, Stainless Steel	65
4-0602T	0.50 mm, 1 x 2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 108 mm, Titanium	65
4-0600D	0.12 mm, Disposable, 6 per Box	65
<b>Catalano</b>		
4-055T	Corneal Forceps, 0.12 mm, 1 x 2 Teeth, Round Handle, Length 105 mm, Titanium	55
4-055S	Corneal Forceps, 0.12 mm, 1 x 2 Teeth, Round Handle, Length 105 mm, Stainless Steel	55
4-056T	Corneal Forceps, 0.30 mm, 1 x 2 Teeth, Round Handle, 5 mm Tying Platform, Length 105 mm, Titanium	55
4-057T	Corneal Forceps, 0.50 mm, 1 x 2 Teeth, Round Handle, 5 mm Tying Platform, Length 105 mm, Titanium	55
4-182T	Curved Micro Tying Forceps, 6.00 mm V-Groove Tying Platform, Length 106 mm, Titanium	66
<b>Chang</b>		
7-1271	Chopper, Double Ended, LHD, Length 125 mm, Round Titanium Handle	78
7-127	Chopper, Double Ended, RHD, Length 125 mm, Round Titanium Handle	78
7-1271S	Chopper, Double Ended, LHD, Round Handle, Length 125 mm, Stainless Steel	78
7-127S	Chopper, Double Ended, RHD, Round Handle, Length 125 mm, Stainless Steel	78
15-0681	Nucleus Hydrodissector, 27 Ga x 16 mm	111
<b>Charles Flute Cannula</b>		
12-5164	23 Ga, 5 per Box	144
12-5156	25 Ga, 5 per Box	144
12-5492	27 Ga, 5 per Box	144
<b>Chopper</b>		
7-1251	Fine Phaconit Quick Chopper, 0.50 mm Width, Angled, Length 120 mm, Round Titanium Handle	77
7-1251S	Fine Phaconit Quick Chopper, 0.50 mm Width, Angled, Length 120 mm, Round Handle, Stainless Steel	77
7-1071	He Phaco Chopper, LHD, 45° Angled, Wedge Shaped, Length 120 mm, Round Titanium Handle	77
7-1061	He Phaco Chopper, RHD, 45° Angled, Wedge Shaped, Round Handle, Length 120 mm, Round Titanium Handle	77
7-097	Micro Finger Chopper, Round Handle, Length 120 mm, Round Titanium Handle	77
<b>Nagahara</b>		
7-0631	Phaco Chopper & Drysdale Nucleus Manipulator, Double Ended, Length 133 mm, Round Titanium Handle	77
7-0631S	Phaco Chopper & Drysdale Nucleus Manipulator, Double Ended, Length 133 mm, Stainless Steel	77
7-064	Phaco Chopper, LHD, Dull Finish, Length 120 mm	77
7-063	Phaco Chopper, RHD, Dull Finish, Length 120 mm	77
7-063S	Phaco Chopper, RHD, Dull Finish, Length 120 mm, Stainless Steel	77
7-063D	Phaco Chopper, RHD, Disposable, 6 per Box	20
7-145	Nagy Femtosecond Chopper, Length 122 mm, Round Titanium Handle	79
7-069	Phaco Cleaver, LHD, Angled, Round Handle, Length 120 mm	77
7-068	Phaco Cleaver, RHD, Angled, Round Handle, Length 120 mm	77
7-125	Phaconit Quick Chopper, 75 mm, Angled, Length 120 mm	77
7-1281	Quick Chopper with Rounded Edge, LHD, Length 120 mm, Round Titanium Handle	77

7-128	Quick Chopper with Rounded Edge, RHD, Round Handle, Length 120 mm, Round Titanium Handle	77
	<b>Rosen</b>	
7-065	Phaco Chopper Universal, Angled, Length 120 mm, Round Titanium Handle	77
7-065S	Phaco Chopper Universal, Angled, Length 120 mm, Round Handle, Stainless Steel	77
7-067	Phaco Splitter, LHD, Wedge Shaped, 60° Angled, Length 120 mm	77
7-066	Phaco Splitter, RHD, Wedge Shaped, 60° Angled, Length 120 mm	77
7-065D	Phaco Chopper, Universal, Disposable, 6 per Box	77
	<b>Seibel</b>	
7-130	Chopper, Ball-Shaped Tip, Length 122 mm, Round Titanium Handle	77
7-1361	Chopper/Quick Chopper with Rounded Edge, RHD, Length 132 mm, Round Titanium Handle	77
7-143	Slade/Terao Nucleus Splitter, 23 Ga, Tip Only	79
7-126S	Triple Edge Chopper with Polisher Tip, Round Handle, Length 117 mm, Stainless Steel	78
7-126	Triple Edge Phaco Chopper w/ Polisher Tip	78
	<b>Cilia Forceps</b>	
4-042S	Narrow, Flat Handle, Length 86 mm, Stainless Steel	52
4-042T	Narrow, Flat Handle, Length 86 mm, Titanium	52
4-043T	Wide, Flat Handle, Length 85 mm, Titanium	52
13-151S	Cindy Sweeper DSEK Spatula, Angled, Length 111 mm, Stainless Steel	97
12-2020	Claus Lucke Retinotomy Scissors with Bulbous Tip, 20 Ga, Tip Only	132
8-120	Coaxial Needle Holder for IOL Suturing, Length 128 mm, Titanium Handle	84
	<b>Colibri Corneal Forceps</b>	
4-050T	0.12 mm, 1 x 2 Teeth, Flat Handle, Length 84 mm, Titanium	54
4-050S	0.12 mm, 1 x 2 Teeth, Flat Handle, Length 84 mm, Stainless Steel	54
4-0501T	0.12 mm, 1 x 2 Teeth, Flat Handle, Length 77 mm, Titanium	54
4-0501S	0.12 mm, 1 x 2 Teeth, Flat Handle, Length 77 mm, Stainless Steel	54
4-054T	0.12 mm, 1 x 2 Teeth, 5.00 mm Tying Platform, Round Handle, Length 109 mm, Titanium	55
4-0540T	0.12 mm, 1 x 2 Teeth, 5.00 mm Tying Platform, Round Handle, Length 109 mm, Titanium	55
4-0505T	Micro, 0.12 mm, 1 x 2 Teeth, Flat Handle, Length 73 mm, Titanium	54
	<b>Colibri-Bonn Corneal Forceps</b>	
4-0503S	0.12 mm, 1 x 2 Teeth, Flat Handle, Length 84 mm, Stainless Steel	54
4-0504T	0.12 mm, 1 x 2 Teeth, Flat Handle, Length 77 mm, Titanium	54
4-0504S	0.12 mm, 1 x 2 Teeth, Flat Handle, Length 77 mm, Stainless Steel	54
4-053T	0.12 mm, 1 x 2 Teeth, 5.00 mm Platform, Flat Handle, Length 115 mm, Titanium	55
4-1913T	Compressing Lid Forceps (MGD), Curved, Length 112 mm, Titanium	53
4-124S	Compressing Lid Forceps with Atraumatic Rollers, Length 107 mm, Stainless Steel	53
	<b>Corneal</b>	
13-138	Dissector, Curved, Length 127 mm, Round Titanium Handle	96
13-137	Dissector, Straight, Length 125 mm, Round Titanium Handle	96
4-2019T	Donor Insertion Forceps, Round Handle, Length 125 mm, Titanium	56
3-140T	Transplant Marker, 7.00/11.00 mm, Length 123 mm, Titanium	39
11-035S	Scissors, Blunt Tips, 11.00 mm Curved Blades, Round Handle, Length 112 mm, Stainless Steel	88
11-034S	Scissors, Blunt Tips, 7.50 mm Curved Blades, Round Handle, Length 110 mm, Stainless Steel	88
4-0551T	Straight Forceps, Bonn-Catalano Type, 0.12 mm, 1 x 2 Teeth, Round Handle, Length 105 mm, Titanium	55
4-0551S	Straight Forceps, Bonn-Catalano Type, 0.12 mm, 1 x 2 Teeth, Round Handle, Length 105 mm, Stainless Steel	55
4-0551D	Bonn-Catalano Forceps, 0.12 mm, Disposable, 6 per Box	55
4-059T	Bonn Forceps, Straight, 0.12 mm, 1 x 2 Teeth, Small Size, Flat Handle, Length 72 mm, Titanium	55
4-058T	Bonn Forceps, Straight, 0.12 mm, 1 x 2 Teeth, Medium Size, Flat Handle, Length 94 mm, Titanium	55
4-058S	Bonn Forceps, Straight, 0.12 mm, 1 x 2 Teeth, Medium Size, Length 94 mm, Stainless Steel	55
	<b>Corneal Scissors</b>	
11-015S	Curved, Medium, Blunt Tips, 16.00 mm Blades, Length 110 mm, Stainless Steel	88
11-0241S	Corneal Section, Left, 14.00 mm Blades, Lower Blade 0.50 mm Longer, Length 106 mm, Stainless Steel	88
11-024S	Corneal Section, Right, 14.00 mm Blades, Lower Blade 0.50 mm Longer, Length 106 mm, Stainless Steel	88
11-036S	DLEK Scissors, Medium Curve, Long Blades, Length 102 mm, Stainless Steel	89
11-0361S	DLEK Scissors, Strong Curve, Long Blades, Length 102 mm, Stainless Steel	89
11-135	Holland Spatulated DALK Scissors, Left, Micro blades, Delicate Shortened Outer Blade, Rounded Blunt Tips, Length 100 mm, Stainless Steel	89
11-134	Holland Spatulated DALK Scissors, Right, Micro blades, Delicate Shortened Outer Blade, Rounded Blunt Tips, Length 100 mm, Stainless Steel	89
11-020S	Katzin Corneal Transplant Scissors, Left, Blunt Tips, Strongly Curved, Length 100 mm, Stainless Steel	88
11-0201S	Katzin Corneal Transplant Scissors, Right, Blunt Tips, Strongly Curved, Length 100 mm, Stainless Steel	88
11-010S	Left, Curved Blunt Tips, 11.00 mm Blades, Length 100 mm, Stainless Steel	88
11-0101S	Right, Curved Blunt Tips, 11.00 mm Blades, Length 100 mm, Stainless Steel	88
11-0381S	Scissors for DALK Procedure, Left, Length 106 mm, Stainless Steel	88

11-038S	Scissors for DALK Procedure, Right, Length 106 mm, Stainless Steel	88
11-012S	Universal, Blunt Tips, 11.00 mm Blades, Length 106 mm, Stainless Steel	88
11-011S	Universal, Small, Blunt Tips, 7.50 mm Blades, Length 102 mm, Stainless Steel	88
11-012D	Universal, Blunt Tips, Disposable, 6 per Box	88
<b>Corneal Trephine Blades</b>		
16-0300	6.00 mm Diameter	119
16-0301	6.50 mm Diameter	119
16-0303	7.00 mm Diameter	119
16-0305	7.50 mm Diameter	119
16-0306	7.75 mm Diameter	119
16-0307	8.00 mm Diameter	119
16-0308	8.25 mm Diameter	119
16-0309	8.50 mm Diameter	119
16-0310	9.00 mm Diameter	119
16-0311	9.50 mm Diameter	119
<b>Crocodile Vitreoretinal Gripping Forceps</b>		
12-304	20 Ga, Tip Only	134
12-304-23H	23 Ga, Attached to a Universal Handle, with RUMEX Flushing System	134
12-304-25H	25 Ga, Attached to a Universal Handle, with RUMEX Flushing System	134
12-304-23	23 Ga, Tip Only	134
12-304-25	25 Ga, Tip Only	134
12-304-23D	23 Ga, Stainless Steel, 6 per Box	134
12-304-25D	25 Ga, Stainless Steel, 6 per Box	134
12-304-23DP	23 Ga, Plastic Handle 360°, 6 per Box	134
12-304-25DP	25 Ga, Plastic Handle 360°, 6 per Box	134
12-304-27DP	27 Ga, Plastic Handle 360°, 6 per Box	134
<b>D</b>		
<b>DALK</b>		
15-450-27	Cannula for DALK Procedure, 0.2 mm port, 27 Ga	113
13-172	Dissector for DALK Procedure, 12 mm Length, Length 122 mm	99
11-135	Holland Spatulated DALK Scissors, Left, Micro blades, Delicate Shortened Outer Blade, Rounded Blunt Tips, Length 100 mm, Stainless Steel	89
11-134	Holland Spatulated DALK Scissors, Right, Micro blades, Delicate Shortened Outer Blade, Rounded Blunt Tips, Length 100 mm, Stainless Steel	89
11-0381S	Scissors for DALK Procedure, Left, Length 106 mm, Stainless Steel	88
11-038S	Scissors for DALK Procedure, Right, Length 106 mm, Stainless Steel	88
13-171	Spatula for DALK Procedure, 1.00 x 9.00 mm Tip, Length 122 mm, Round Titanium Handle	99
13-170	Trisector for DALK Procedure, 1.40 x 0.70 mm Tip, Length 124 mm	99
16-153	Davis Foreign Body Spud, Length 123 mm, Round Titanium Handle	100
21-R7012	DCR Set - Angled 4.5 cm, 3 per Box	27
21-R7011	DCR Set - Straight 4.5 cm, 3 per Box	27
2-036T	Degree gauge with Beveled Face, 12.00/16.00 mm Diameters, Length 132 mm, Titanium	38
<b>Delicate Membrane Pick</b>		
13-097-23	23 Ga, Length 135 mm, Round Titanium Handle	136
13-0979	25 Ga, Length 134 mm, Round Titanium Handle	136
13-097-27	27 Ga, Length 134 mm, Round Titanium Handle	136
<b>Desmarres</b>		
<b>Chalazion Forceps</b>		
4-1906T	Large, 31.00 x 17.40 mm Platform, Length 96 mm, Titanium	52
4-1912T	Medium, 24.00 x 16.00 mm Platform, Length 92 mm, Titanium	52
4-1912S	Medium, 24.00 x 16.00 mm Platform, Length 92 mm, Stainless Steel	52
4-1907T	Small, 19.80 x 10.40 mm Platform, Length 90 mm, Titanium	52
4-1907S	Small, 19.80 x 10.40 mm Platform, Length 90 mm, Stainless Steel	52
<b>Lid Retractor</b>		
10-020	Size 0, 11.00 mm, Length 130 mm, Round Titanium Handle	86
10-020S	Size 0, 11.00 mm, Length 130 mm, Round Handle, Stainless Steel	86
10-021	Size 1, 13.00 mm, Length 130 mm, Round Titanium Handle	86
10-021S	Size 1, 13.00 mm, Length 130 mm, Round Handle, Stainless Steel	86
10-022	Size 2, 15.00 mm, Length 130 mm, Round Titanium Handle	86
10-022S	Size 2, 15.00 mm, Length 130 mm, Round Handle, Stainless Steel	86
10-023	Size 3, 17.00 mm, Length 130 mm, Round Titanium Handle	86

10-023S	Size 3, 17.00 mm, Length 130 mm, Round Handle, Stainless Steel	86
<b>Diamond Knife</b>		
6-00/6-030	Arcuate Incision, 1.00/0.20 mm Tapered Blade	71
6-00/6-020	Astigmatic and Arcuate Keratotomy, 1.00 mm Blade	71
<b>Glaucoma Knife</b>		
6-20/6-091	1.50 mm Round Crescent, Angled Handle	71
6-20/6-092	2.00 mm Round Crescent, Angled Handle	71
<b>LRI Knife</b>		
6-322/6-0531	1.00 mm, 500/550/600 microns Preset Depths	73
6-500/6-0531	0.20/1.00 mm, 500 microns Preset Depth	73
6-500S/6-0531	0.20/1.00 mm, 500 microns Preset Depth, w/Slit Lamp	73
6-600/6-0531	0.20/1.00 mm, 600 microns Preset Depth	73
6-600S/6-0531	0.20/1.00 mm, 600 microns Preset Depth, w/Slit Lamp	73
<b>Phaco Knife</b>		
6-20/6-071	2.50 mm Clear Cornea, Angled Handle	72
6-20/6-072	2.80 mm Clear Cornea, Angled Handle	72
6-20/6-073	3.00 mm Clear Cornea, Angled Handle	72
6-20/6-074	3.20 mm Clear Cornea, Angled Handle	72
6-20/6-075	2.20 mm Clear Cornea, Angled Handle	72
6-20/6-077	2.75 mm Clear Cornea Blade, Angled Handle	72
6-20/6-078	2.70 mm Clear Cornea, Angled Handle	72
6-20/6-081	2.30 mm Clear Cornea, Angled Handle	72
6-20/6-100	1.90/2.50 mm Trapezoid Self-Diving, Angled Handle	72
6-20/6-101	2.70/3.20 mm Trapezoid Self-Diving, Angled Handle	72
6-20/6-102	3.00/3.50 mm Trapezoid Self-Diving, Angled Handle	72
6-20/6-104	2.30/2.80 mm Trapezoid Self-Diving, Angled Handle	72
6-20/6-105	2.60/3.00 mm Trapezoid Self-Diving, Angled Handle	72
6-20/6-107	2.00/2.30 mm Trapezoid Self-Diving, Angled Handle	72
<b>Side-Port Knife</b>		
6-10/6-050	45° Single Edge Blade, Straight Handle	71
6-10/6-0501	45° Side-Port Single Edge 0.60 mm, Straight Handle	71
6-10/6-051	30° Single Edge Blade, Angled Handle	71
6-10/6-052	45° Double Edge Blade, Straight Handle	71
6-10/6-053	Trifacet Blade, 1.00 mm, Straight, Length 110 mm, Titanium Handle	71
6-10/6-0531	20° Trifacet Blade 1.00 mm, Straight Handle	71
6-10/6-070	Lancet Blade, 1.00 mm, Straight, Length 110 mm, Titanium Handle	71
6-10/6-0701	Lancet Blade, 0.80 mm, Length 110 mm, Straight Titanium Handle	71
6-10/6-076	Brown-Osher Five Facet Blade, 1.00 mm	71
<b>Micro-Incision Diamond Knife</b>		
6-20/6-140	Trapezoid Self-Diving Blade, 1.50/1.00 mm, Length 130 mm, Angled Titanium Handle	72
6-20/6-141	Phakonit Diamond Knife, 0.80/1.20 mm, Angled	72
6-20/6-142	1.30/1.50 mm, Length 130 mm, Angled Titanium Handle	72
6-20/6-143	1.50/1.80 mm, Length 130 mm, Angled Titanium Handle	72
6-20/6-144	1.80/2.00 mm, Length 130 mm, Angled Titanium Handle	72
6-20/6-145	1.80/2.20 mm, Length 130 mm, Angled Titanium Handle	72
6-20/6-0551	Universal ICL Knife, 0.55/1.00 mm, Angled Handle	72
21-602-1	Diamond Knife Cleaning Pack 82, 241	73
12-7523	Diamond-Dusted Retractable ILM Elevator, 23 Ga, disposable, 5 per Box	142
12-7525	Diamond-Dusted Retractable ILM Elevator, 25 Ga, disposable, 5 per Box	142
<b>Disposable Knife</b>		
<b>Clear Corneal Knife</b>		
CCD-22	w/ Depth Indicators, 2.20 mm, Angled, 6 per Box	19
CCD-24	w/ Depth Indicators, 2.40 mm, Angled, 6 per Box	19
CCD-26	w/ Depth Indicators, 2.65 mm, Angled, 6 per Box	19
CCD-27	w/ Depth Indicators, 2.75 mm, Angled, 6 per Box	19
CC-22	2.20 mm, Angled, 6 per Box	19
CC-24	2.40 mm, Angled, 6 per Box	19
CC-26	2.65 mm, Angled, 6 per Box	19
CC-27	2.75 mm, Angled, 6 per Box	19
CC-30	3.00 mm, Angled, 6 per Box	19
CR-20	Crescent, 2.00 mm, Angled, 6 per Box	19
<b>MVR Knife</b>		
VRA-19	19 Ga, Angled, 6 per Box, 228	140

VRS-19	19 Ga, Straight, 6 per Box, 228	140
VRA-20	20 Ga, Angled, 6 per Box, 228	140
VRS-20	20 Ga, Straight, 6 per Box, 228	140
VRA-23	23 Ga, Angled, 6 per Box, 228	140
VRS-23	23 Ga, Straight, 6 per Box, 228	140
PK-11	Paracentesis, 1.10 mm, Angled, 6 per Box	18
PD-60	Pre-Set , 600 µm Depth, 6 per Box	19
<b>Side-Port Knife</b>		
SP-15	1.00 mm, 15°, Straight, 6 per Box	19
SP-30	1.00 mm, 30°, Straight, 6 per Box	19
SP-45	1.00 mm, 45°, Straight, 6 per Box	19
<b>Slit Knife</b>		
SL-22	2.20 mm, Angled, 6 per Box	19
SL-24	2.40 mm, Angled, 6 per Box	19
SL-26	2.65 mm, Angled, 6 per Box	19
SL-27	2.75 mm, Angled, 6 per Box	19
SL-28	2.80 mm, Angled, 6 per Box	19
SL-32	3.20 mm, Angled, 6 per Box	19
<b>Trapezoid Knife</b>		
TR-10	1.20-1.40 mm, Angled, 6 per Box	19
TR-17	1.50-1.70 mm, Angled, 6 per Box	19
13-172	Dissector for DALK Procedure, 12 mm Length, Length 122 mm	99
<b>DLEK</b>		
11-036S	DLEK Scissors, Medium Curve, Long Blades, Length 102 mm, Stainless Steel	89
11-036IS	DLEK Scissors, Strong Curve, Long Blades, Length 102 mm, Stainless Steel	89
13-160	Manipulator for DLEK procedure, Z-hook w/Blunt Tip, 120 mm	99
<b>Donnenfeld</b>		
20-2041	Femto Spatula, Length 122 mm, Round Titanium Handle	95
7-146	Femto Splitter, Angled shaft, Curved Tip, Length 121 mm, Round Titanium Handle	79
<b>Dressing Forceps</b>		
4-070S	with Delicate Serrations, 6.00 mm Serrated Tips, Straight, Round Handle, Length 108 mm, Stainless Steel	57
4-072T	with Serrations, 12.00 mm Serrated Tips, Curved, Flat Handle, Length 100 mm, Titanium	57
4-071S	with Serrations, 12.00 mm Serrated Tips, Straight, Flat Handle, Length 100 mm, Stainless Steel	57
<b>DMEK Forceps</b>		
4-262S	Cross-Action, Flat Handle, Lenght 110 mm, Stainless Steel	57
4-251	Cross-Action, Lenght 110 mm, Flat Titanium Handle	57
4-262	Cross-Action, Lenght 110 mm, Round Titanium Handle	57
<b>Drysdale Nucleus Manipulator</b>		
7-0931	Capsule Polisher Tip, 121 mm	77
7-093	Regular Tip, 121 mm	77
7-093D	Disposable, 6 per Box	77
12-5203	Dual Bore PFC Cannula, 23 Ga, 5 per Box	145
12-5205	Dual Bore PFC Cannula, 25 Ga, 5 per Box	145
<b>E</b>		
<b>Eckardt End-Gripping Forceps</b>		
12-410	Reusable, 20 Ga, Tip Only	133
12-410-23H	Reusable, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System, with Rumex Flushing System	133
12-410-25H	Reusable, 25 Ga, Attached to a Universal Handle, with RUMEX Flushing System, with Rumex Flushing System	133
12-410-23	Reusable, 23 Ga, Tip Only	133
12-410-25	Reusable, 25 Ga, Tip Only	133
12-410-27	Reusable, 27 Ga, Tip Only	133
12-410-23D	Disposable, 23 Ga, Stainless Steel, 6 per Box	141
12-410-25D	Disposable, 25 Ga, Stainless Steel, 6 per Box	141
12-410-23DP	Disposable, 23 Ga, Plastic Handle 360°, 6 per Box	141
12-410-25DP	Disposable, 25 Ga, Plastic Handle 360°, 6 per Box	141
12-410-27DP	Disposable, 27 Ga, Plastic Handle 360°, 6 per Box	141
4-138T	Elsching Superior Rectus Forceps, 1 x 2 teeth, 0.50 mm, Straight Shafts, Flat Serrated Handle, Length 108 mm, Titanium	65
<b>End-Gripping Forceps</b>		
12-420-23H	Reusable, Asymmetrical, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System, with Rumex Flushing System	139

12-420-25H	Reusable, Asymmetrical, 25 Ga, Attached to a Universal Handle, with RUMEX Flushing System, with Rumex Flushing System	139
12-420-23	Reusable, Asymmetrical, 23 Ga, Tip Only	139
12-420-25	Reusable, Asymmetrical, 25 Ga, Tip Only	139
12-420-27	Reusable, Asymmetrical, 27 Ga, Tip Only	139
12-4202-23	Reusable, Asymmetrical, Prolongated Branches for Myopic Eyes, 23 Ga, Tip Only	139
12-420-23D	Disposable, Asymmetrical, 23 Ga, Stainless Steel, 6 per Box	139
12-420-25D	Disposable, Asymmetrical, 25 Ga, Stainless Steel, 6 per Box	139
12-402	Reusable, with Nail-Shaped Jaws, 20 Ga, Tip Only	134
12-402-23	Reusable, with Nail-Shaped Jaws, 23 Ga, Tip Only	134
12-4089	Reusable, with Nail-Shaped Jaws, 25 Ga, Tip Only	134
12-402-23H	Reusable, with Nail-Shaped Jaws, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System, with Rumex Flushing System	134
12-402-25H	Reusable, with Nail-Shaped Jaws, 25 Ga, Attached to a Universal Handle, with RUMEX Flushing System, with Rumex Flushing System	134
12-411-25H	Reusable, Tano Asymmetrical, 25 Ga, Attached to a Universal Handle, with RUMEX Flushing System, with Rumex Flushing System	134
12-411-23H	Reusable, Tano Asymmetrical, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System, with Rumex Flushing System	134
12-411	Reusable, Tano Asymmetrical, 20 Ga, Tip Only	134
12-411-23	Reusable, Tano Asymmetrical, 23 Ga, Tip Only	134
12-411-25	Reusable, Tano Asymmetrical, 25 Ga, Tip Only	134
13-139/I	Endothelial Stripper, Irrigating, for Descemet's Stripping, Length 104 mm, Titanium Handle	96
	<b>Enucleation Scissors</b>	
11-090S	Curved, Blunt Tips, 38 mm Blades from Midscrew to Tip, Length 128 mm, Stainless Steel	93
11-091S	Curved, Blunt Tips, 45 mm Blades from Midscrew to Tip, Length 130 mm, Stainless Steel	93
7-025T	Ernest Nucleus Cracker, Flat Handle, Length 106 mm, Titanium	75
7-149S	Escaf prechopper, Straight, Round Handle, Length 118 mm, Stainless Steel	32
	<b>Eye Cautery</b>	
16-042	Electric, Disposable, Elongated Tip, 10 per Box	116
16-041	Electric, Disposable, Fine Tip, 10 per Box	116
	<b>F</b>	
15-033	Fasanella Lacrimal Cannula, 23 Ga x 42 mm	114
4-2108S	Faulkner Lens Holding Forceps, Angled shafts, Smooth Jaws, Length 105 mm, Stainless Steel	59
4-2301T	Fechtner Conjunctiva Forceps, Delicate Ring Jaws, Flat Handle, Length 108 mm, Titanium	52
4-2301S	Fechtner Conjunctiva Forceps, Delicate Ring Jaws, Flat Handle, Length 108 mm, Stainless Steel	52
	<b>FemtoLASIK</b>	
20-202	Flap Spatula, Length 121 mm, Round Titanium Handle	102
20-201	Flap Spatula, Double Ended, Length 128 mm, Round Titanium Handle	102
20-203	Zaldivar Spatula, Length 123 mm, Round Titanium Handle	102
5-036	Fenzl Hook, Angled, Length 121 mm, Round Titanium Handle	68
	<b>Fine Thornton</b>	
16-0341T	Phaco Fixation Ring with Swivel, 3/4 Open 14.00 mm Diameter Ring with Teeth, Length 98 mm, Titanium	116
16-036T	Phaco Fixation Ring with Swivel, 3/4 Open 13.00 mm Diameter Ring with Teeth, Length 96 mm, Titanium	116
16-036S	Phaco Fixation Ring with Swivel, 3/4 Open 13.00 mm Diameter Ring with Teeth, Length 96 mm, Stainless Steel	116
12-5188	Fixation Plate, 23 Ga, 1 per Box	140
12-000T	Flushing Adapter for Vitreoretinal Tips	130
	<b>Flieringa Rings</b>	
16-030-14	14 mm, 1 each	116
16-030-15	15 mm, 1 each	116
16-030-16	16 mm, 1 each	116
16-030-17	17 mm, 1 each	116
16-030-18	18 mm, 1 each	116
16-030-19	19 mm, 1 each	116
16-030-20	20 mm, 1 each	116
16-030-21	21 mm, 1 each	116
16-030-22	22 mm, 1 each	116
16-030-24	24 mm, 1 each	116
4-246S	Florakis Endothelial Forceps, reversed tips, angled 75°	56
4-247	Florakis Microinvasive Endothelial Forceps, 23 Ga, Tip Only	56
16-115	Flynn Scleral Depressor, for Depressing Pediatric Sclera, Length 100 mm, Round Titanium Handle	118
4-21741	Foldable Lens Removing Forceps, Length 114 mm, Squeeze Titanium Handle	61

4-034	Forceps for Corneal Endothelium Implantation, 23 Ga, Tip Only	56
4-0582S	Forceps for Femtosecond Laser Cataract Procedure, Cross Action, Flat Handle, Length 108 mm, Stainless Steel	49
7-077	Fukasaku Small Pupil Snapper Hook And Chopper, 121 mm	77

G

5-060	Gass Retinal Detachment Hook, 13.00 mm Flat Hook, 1.50 x 0.70 mm Hole, Length 140 mm, Flat Titanium Handle	70
15-119	Gills I/A Cannula W/ Silicone Tubing, Side By Side Front Opening, 23/23 Ga	111
15-067	Girard Anterior Chamber Maintainer, 23 Ga x 5 mm Tip	110
<b>Graefe Muscle Hook</b>		
5-041	Size 1, 1.00 x 8.00 mm Hook, Length 135 mm, Flat Titanium Handle	69
5-041S	Size 1, 1.00 x 8.00 mm Hook, Length 135 mm, Flat Handle, Stainless Steel	69
5-042	Size 2, 1.50 x 10.00 mm Hook, Length 140 mm, Flat Titanium Handle	69
5-042S	Size 2, 1.50 x 10.00 mm Hook, Length 140 mm, Flat Handle, Stainless Steel	69
4-240	Guell DMEK Forceps, Angled Shafts, Highly Polished Broad Tips, Length 103 mm, Stainless Steel	56

H

<b>Halsted</b>		
4-123S	Hemostatic Forceps, Curved, Long, Length 125 mm, Stainless Steel	64
4-122S	Hemostatic Forceps, Straight, Long, Length 125 mm, Stainless Steel	64
15-308T	Handle Microsurgical, Titanium, Male-Female, Length 80 mm	114
15-307T	Handle Microsurgical, Titanium, Male-Male, Length 80 mm	114
<b>Harms</b>		
16-012S	Trabeculotome, Left, 9 mm Long Pointed Tips with 3 mm Spread, Length 51 mm, Stainless Steel	119
16-013S	Trabeculotome, Right, 9 mm Long Pointed Tips with 3 mm Spread, Length 51 mm, Stainless Steel	119
<b>Hartman</b>		
4-121S	Hemostatic Mosquito Forceps, Curved, Short, Length 90 mm, Stainless Steel	64
4-120S	Hemostatic Mosquito Forceps, Straight, Serrated jaws, Length 90 mm, Ring Handle, Stainless Steel	64
20-001	Hockey Epithelium Removal Knife, Length 128 mm, Round Titanium Handle	100
20-001S	Hockey Epithelium Removal Knife, Length 128 mm, Round Handle, Stainless Steel	100
<b>Hoffer Optical Zone Marker, with Cross Hairs</b>		
3-0211T	5.00 mm, Length 130 mm, Titanium	40
3-0212T	5.50 mm, Length 130 mm, Titanium	40
3-0213T	6.00 mm, Length 130 mm, Titanium	40
3-0215T	7.00 mm, Length 130 mm, Titanium	40
3-0216T	7.50 mm, Length 130 mm, Titanium	40
3-0217T	8.00 mm, Length 130 mm, Titanium	40
3-0218T	8.50 mm, Length 130 mm, Titanium	40
3-0219T	9.00 mm, Length 130 mm, Titanium	40
3-0220T	9.50 mm, Length 130 mm, Titanium	40
<b>Horizontal Vitreoretinal Scissors</b>		
12-206	Angled, 55°, 20 Ga, Tip Only	132
12-2084	Angled, 45°, Regular Blades W/ Illumination, 20 Ga, Tip Only	132
12-2085	Angled, 45°, Short Blades, 20 Ga, Tip Only	132
4-0502S	Hoskin Type Colibri Forceps, Pierced Tips, Flat Handle, Length 84 mm, Stainless Steel	54
<b>Hydrophilic IOLs</b>		
IOLs	Hydro-4 Aspheric	14
IOLs	Hydro-Sense Aspheric	14
IOLs	Hydro-Sense Aspheric Yellow	14
<b>Hydrophobic IOLs</b>		
IOLs	AquaFree Yellow Aspheric Hydrophobic	12
IOLs	AquaFree Yellow Aspheric Hydrophobic Preloaded	12
<b>Hydrodissector</b>		
21-R4027	Flattened, Angled 10 mm 27 Ga x 22 mm, 10 per Box	26
21-R4427	Round end, Angled 10 mm 27 Ga x 22 mm, 10 per Box	26
21-R4025	Pearce, Flattened, Angled 8 mm 25 Ga	26

I

<b>I/A Tip</b>		
7-080/45	I/A Tip, Angled 45°, Stainless Steel	81
7-080/90	I/A Tip, Angled 90°, Stainless Steel	81
7-080/BC	Binkhorst I/A Tip, Stainless Steel	81
7-080/20	Thornton 20° Angled I/A Tip, Stainless Steel	81

7-080/ST	Straight I/A Tip , Stainless Steel	81
7-080/SIM	Simcoe I/A Tip , Stainless Steel	81
<b>ICL</b>		
4-2011S	Cartridge Loading Forceps, Angled 30° Long Jaws, Round Handle, Length 120 mm, Stainless Steel	62
4-2011T	Cartridge Loading Forceps, Angled 30° Long Jaws, Round Handle, Length 120 mm, Titanium	62
4-21431	Coaxial Angled Loading Forceps, 20 Ga, Tip Only, Non Rotatable	62
13-141	Pallikaris Manipulator, Sandblasted tip, Length 123 mm, Round Titanium Handle	103
4-21432	Zaldivar - Kraff Pacman Forceps, 20 Ga, Tip Only	62
13-142	Zaldivar Manipulator, Length 128 mm, Round Titanium Handle	103
<b>ICRS</b>		
13-147	Bicalto Guide, Blunt Tip, Angled, Length 121 mm, Round Titanium Handle	103
6-00/6-020	Diamond Knife, Astigmatic and Arcuate Keratotomy, 1.00 mm Blade	71
10-035	Elevator for ICRS Implantation, Straight Shaft, Length 123 mm, Round Titanium Handle	103
4-2144T	Forceps for ICRS Implantation, with 1 x 1 Teeth, 0.30 mm Groove, Length 85 mm, Flat Handle, Titanium	54
13-146	Suarez Spreader, Straight, Length 122 mm, Round Titanium Handle	103
<b>Tunnel Maker</b>		
16-173S	4.40/5.60 mm Diameter, 0.30 mm Width, Left, Stainless Steel	119
16-174S	4.40/5.60 mm Diameter, 0.30 mm Width, Right, Stainless Steel	119
3-143T	Tunnel Zone Marker, 4.00/6.00 mm Diameter, 40° Angled to Handle, Length 127 mm, Titanium	41
<b>Inamura</b>		
7-11651S	Eagle Prechopper, Straight, Cross Action, Max Opening 1.80 mm, Round Handle, Length 121 mm, Stainless Steel	76
7-1165S	Eagle Prechopper, Straight, Cross Action, Max Opening 2.80 mm, Round Handle, Length 121 mm, Stainless Steel	76
4-0391S	Capsulorhexis Forceps, Cross Action, S-R, 10.00 mm Curved Jaws, Length 115 mm, Stainless Steel	48
4-0392S	Capsulorhexis Forceps, Cross Action, S-R, 12.00 mm Curved Jaws, Length 117 mm, Stainless Steel	48
12-026	Infusion Cannula 6.00 mm, Reusable, 1 piece	147
8-102S	Ing's Needle Holder/Scissors, Straight, Used To Cut Suture Only, Long Jaws 15.00 mm, Length 105 mm, Stainless Steel	83
12-5187	Instrument Cannula Insertor, 23 Ga, 1 per Box	140
<b>Intraocular</b>		
7-075	Manipulator with Ball Tip, Angled, 0.50 mm Ball Tip, Length 121 mm, Round Titanium Handle	77
7-074	Manipulator with Ball Tip, Straight, 0.50 mm Ball Tip, Round Titanium Handle, Length 123 mm	77
8-1211-23	Needle Holder, 23 Ga, Tip Only	83
4-1891	Tying Forceps, 23 Ga, Tip Only	67
4-2145	IOL Grasping Forceps, 21 Ga, Tip Only	60
<b>IOLs - Hydrophilic</b>		
IOLs	Hydro-4 Aspheric	14
IOLs	Hydro-Sense Aspheric	14
IOLs	Hydro-Sense Aspheric Yellow	14
<b>IOLs - Hydrophobic</b>		
IOLs	AquaFree Yellow Aspheric Hydrophobic	14
IOLs	AquaFree Yellow Aspheric Hydrophobic Preloaded	14
<b>Injector</b>		
16-253	Injector for Capsular Ring with Irrigation, Length 162 mm, Titanium Handle	116
<b>IOL Injector</b>		
VE2200	Disposable Viscoject eco Injector for 2.2 mm incisions	15
16-2806	Reusable, for A, B, C Cartridges with Plunger Mechanism and Reverse Inner Spring, Length 212 mm, Titanium Handle with Ring	116
16-2807	Reusable, for D Cartridge with Plunger Mechanism and Reverse Inner Spring, Length 187.5 mm, Titanium Handle	116
16-2808	Reusable, for D Cartridge with Plunger Mechanism and Reverse Inner Spring, Length 212 mm, Titanium Handle with Ring	116
16-2853	Reusable, NaviJect ™, Handle with Ring, Length 178,5 mm	117
<b>Iris Forceps</b>		
4-102S	1 x 2 Teeth, Curved, Flat Serrated Handle, Length 72 mm, Stainless Steel	63
4-101S	1 x 2 Teeth, Straight, Flat Serrated Handle, Length 72 mm, Stainless Steel	63
4-100S	with Serrations, Flat Serrated Handle, Straight shafts, Length 72 mm, Stainless Steel	63
<b>Iris Retractors</b>		
10-5016-1	Disposable, 1 pack of 4 pcs (4 retractors)	87
10-5067-1	Disposable, 1 pack of 5 pcs (5 retractors)	87
10-5127	Reusable, 1 pack of 6 pcs (6 retractors)	87
5-020	Iris Hook, 1.00 mm, Angled, Round Handle, Length 121 mm	70

<b>Iris Scissors</b>		
11-081S	Curved, Sharp Tips, 28.00 mm Blades, Ring Handle, Length 115 mm, Stainless Steel	89
11-080S	Straight, Sharp Tips, 28.00 mm Blades, Ring Handle, Length 115 mm, Stainless Steel	89
<b>Irrigating Cannula</b>		
15-049-30	Straight, Blunt Tip, 30 Ga x 25 mm, Polished	110
15-049-23	Straight, Blunt Tip, Polished, 23 Ga x 25 mm	110
<b>Irrigating Cystotome</b>		
21-R3027	Formed 27 Ga x 16 mm, 10 per Box 39	26
21-R3330	Short Curve 30 Ga x 5/8 in (30 x 16 mm), 10 per Box	26
<b>Irrigation Handpiece for Bimanual Technique</b>		
7-081	Curved, 21 Ga, Two Ports on Side 35 mm	81
7-0813	Curved, 21 Ga, Two Ports on Side 50 mm	81
7-081-23	Curved, 23 Ga, Two Ports on Side 35 mm	81
7-0811	Stodulka, Enhanced, Curved, 21 Ga	81
7-080/IAH	Irrigation-Aspiration Handle	81
<b>J</b>		
15-1149R	J Shaped I/A Cannula Right, Regular, 23/23 Ga	111
<b>Jameson</b>		
4-130S	Muscle Forceps, Left, 6 teeth, Slide Lock, Length 100 mm, Stainless Steel	64
4-131S	Muscle Forceps, Right, 6 teeth, Slide Lock, Length 100 mm, Stainless Steel	64
5-0401	Muscle Hook, 1.50 mm Bulbous Tip, 8.00 mm Flat Hook, Length 128 mm, Flat Titanium Handle	69
5-040	Muscle Hook, 2.00 mm Bulbous Tip, 9.50 mm Flat Hook, Length 135 mm, Round Titanium Handle	69
5-040S	Muscle Hook, 2.00 mm Bulbous Tip, 9.50 mm Flat Hook, Length 135 mm, Round Handle, Stainless Steel	69
15-1067	Jaymce Anterior Chamber Maintainer, Bulbous Tip 4 mm, 20 Ga	110
<b>Jeweler Forceps</b>		
4-113T	# 3C, Straight, Length 110 mm, Titanium	63
4-111T	# 5, Straight, Length 110 mm, Titanium	63
4-115T	# 7, Curved, Length 110 mm, Titanium	63
<b>John</b>		
13-182	Dexatome DMEK/DSAEK Spatula, Strongly Vaulted Shaft, Length 119 mm, Round Titanium Handle	98
13-1491	DSAEK Descemet's Stripper, "T" Shape, Length 121 mm, Round Titanium Handle	98
3-204T	DSAEK Double-Ended Marker 8.00/9.00 mm, Overall length 143 mm, Titanium	32
13-184	DSAEK Glider, Length 114 mm, Round Titanium Handle	98
13-183	DSAEK Stromal Scrubber, Strongly Vaulted Shaft, Length 120 mm, Round Titanium Handle	98
<b>K</b>		
8-080T	Kalt Needle Holder, Standard Straight 10.50 mm Jaws, Length 135 mm, Titanium	83
7-0201T	Kansas-Alfonso Nucleus Fragment Removing Forceps, with Teeth, Flat Handle, Length 107 mm, Titanium	75
<b>Kawai</b>		
4-03771	Capsulorhexis Forceps, 23/25 Ga, Tip Only	51
12-415	ILM Forceps, 25 Ga, Tip Only	133
16-011	Kelly Descemet's Membrane Punch, 0.75 mm Diameter, Length 131 mm	118
16-011S	Kelly Descemet's Membrane Punch, 0.75 mm Diameter, Length 131 mm, Stainless Steel	118
15-025	Kelman Sharp Irrigating Cystotome, 25 Ga x 32 mm	112
<b>Kelman-McPherson Tying Forceps</b>		
4-092S	Angled Shafts, with 10.00 mm Tying Platforms, Length 86 mm, Stainless Steel	66
4-092T	Angled Shafts, with 10.00 mm Tying Platform, Length 86 mm, Titanium	66
4-090T	Angled Shafts, with 4.00 mm Tying Platform, Length 81 mm, Titanium	66
4-091S	Angled Shafts, with 8.00 mm Tying Platform, Length 84 mm, Stainless Steel	66
16-136	Kerrison Rounger, Size 0, 3.00 mm Wide, 9.00 mm Opening, Polished finish, Length 140 mm, Stainless Steel	117
<b>Kershner</b>		
<b>Capsulorhexis Forceps</b>		
4-03731	Cystotome Tips, 23 Ga, with Lock, Tip Only	50
4-03741	Micro Jaws, Cystotome Tips, 23 Ga, with Lock, Tip Only	50
<b>Reversible Speculum</b>		
14-0601T	14.00 mm Solid Blades, Flat Branches, Length 70 mm, Titanium	105
14-0601S	14.00 mm Solid Blades, Flat Branches, Length 70 mm, Stainless Steel	105
14-060T	14.00 mm Solid Blades, Round Branches, Length 70 mm, Titanium	105
14-060S	14.00 mm Solid Blades, Round Branches, Length 70 mm, Stainless Steel	105
14-060A	with Aspiration, Adult Size, 14 mm Solid Blades, Length 70 mm	105
14-062T	14.00 mm Fenestarted Blades, Flat Branches, Length 70 mm, Titanium	105
<b>Knapp</b>		
11-101S	Curved Strabismus Scissors, Ring Handle, Length 115 mm, Stainless Steel	90
11-100S	Straight Strabismus Scissors, Ring Handle, Length 115 mm, Stainless Steel	90

10-014	Lacrimal Sac Retractor, Blunt 4 x 8 mm Four Prongs Tip	86
10-014S	Lacrimal Sac Retractor, Blunt 4 x 8 mm Four Prongs Tip, Stainless Steel	86
15-183	Knolle-Pearse Irrigating Vectis, 23 Ga, 3 port	111
<b>Kuglen Iris Hook</b>		
5-030	Angled, "H" Shaped Tip, Length 122 mm, Round Titanium Handle	68
5-030S	Angled, "H" Shaped Tip, Length 122 mm, Round Handle, Stainless Steel	68
5-030D	Angled, Disposable, 6 per Box	68
5-0301	Straight, "H" Shaped Tip, Length 124 mm, Round Titanium Handle	68
<b>L</b>		
<b>Lacrimal Cannula</b>		
21-R7021	21 Ga x 33 mm, 10 per Box	27
21-R7026	26 Ga x 28 mm, 10 per Box	27
15-027	Reinforced, Straight, 23 Ga x 32 mm	114
15-029	Reinforced, Curved, 23 Ga x 32 mm	114
<b>Lacrimal Intubation Set</b>		
21-R7001	23 Ga, 30 cm silicone tubing, 3 per Box	27
21-R7004	27 Ga, olive tip, 11 cm probe, 3 per Box	27
21-R7004RD	27G, w/retrieval device, olive tip, 11 cm probe, 3 per Box	27
21-R7002	Lacrimal Intubation Tubing - 30 cm, 3 per Box	27
<b>Lambert</b>		
4-1909T	Chalazion Forceps, Medium, 12.00 mm Diameter, Length 97 mm, Titanium	52
4-1909S	Chalazion Forceps, Medium, 12.00 mm Diameter, Length 97 mm, Stainless Steel	52
4-1908T	Chalazion Forceps, Small, 8.00 mm Diameter, Length 92 mm, Titanium	52
4-1908S	Chalazion Forceps, Small, 8.00 mm Diameter, Length 92 mm, Stainless Steel	52
4-254S	Lambright-Abdullayev Ultrathin DSAEK Grasping/Inserting Forceps, Length 105 mm, Stainless Steel	57
14-045T	Lancaster Eye Speculum, Adjustable Mechanism with Locking Nut, 16.00 mm Solid Blades, Length 67 mm, Titanium	105
<b>LASEK</b>		
20-121	8.00 mm Trephine / 8.50 mm Funnel, Depth of the incision 70 mkm, Length 142 mm, Round Titanium Handle	125
20-122	9.00 mm Trephine / 9.50 mm Funnel, Depth of the incision 70 mkm, Length 142 mm, Round Titanium Handle	125
20-131	Epithelial Micro Hoe, Length 120 mm, Round Titanium Handle	125
20-1031T	Funnel 8.50 mm, Titanium, Length 129 mm	125
20-1041T	Funnel 9.50 mm, Titanium, Length 129 mm	125
20-0011	Knife, Length 128 mm, Round Titanium Handle	125
20-1011	Trephine 8.00 mm, Preset Depth 70 Microns, Length 128 mm, Round Titanium Handle	125
20-1021	Trephine 9.00 mm, Preset Depth 70 Microns, Length 128 mm, Round Titanium Handle	125
<b>LASIK</b>		
15-373-25	Banaji Irrigation Cannula, 4 Ports, Curved, 25 Ga	113
15-379-25	Buratto LASIK Irrigation Cannula 25 Ga, 45° Angled Triport	113
4-2206T	Flap Forceps, Curved, Length 108 mm, Titanium	53
3-176T	Flap Marker, 3 Marking Lines, Optical Zone 8.00 mm, Length 130 mm, Titanium	41
15-378R	Gimbel LASIK Fountain Cannula, Right, 25 Ga x 25.4 mm	113
21-R7430	Irrigating Cannula (Lindstrom) 25 Ga, angled, 10 per Box	27
3-174T	Lavery Marker, Round Handle, Optical Zone 8.50 mm, Length 130 mm, Titanium	41
20-002	Lindstrom LASIK/PRK Spatula and Epithelium Removal Board, Length 148 mm, Round Titanium Handle	125
15-376	Slade LASIK Cannula, 26 Ga	113
20-013	Spatula And Flap Retreatment Instrument, Double-ended, Length 133 mm, Round Titanium Handle	100
15-371-25	Vidaurre LASIK Double Cannula, 25 Ga, 16 Ga x 12 mm shaft, 8 ports	113
<b>Lesieur</b>		
4-03742	Lesieur Capsulorhexis Forceps with Internal Ruler, 23 Ga, 7 Engravings, Reduced Length, Gentle Curved Tube, Micro Jaws, Tip Only	46
7-0634/I	Lesieur Hydrochopper, 20 Ga, Round Handle, Length 105 mm, Titanium Handle	80
<b>Lester</b>		
4-0832S	Fixation Forceps, Straight, 2 x 3 Teeth, Length 105 mm, Stainless Steel	58
5-0331	Lens Manipulator, Angled, 0.20 mm Hourglass Shaped Tip, Length 122 mm, Round Titanium Handle	68
5-0331S	Lens Manipulator, Angled, 0.20 mm Hourglass Shaped Tip, Length 122 mm, Round Handle, Stainless Steel	68
5-0333	Lens Manipulator, Straight, 0.20 mm Hourglass Shaped Tip, Length 124 mm, Round Titanium Handle	68
5-0331D	Lens Manipulator, Angled, Disposable, 6 per Box	68
<b>Lewicky</b>		
15-065	Anterior Chamber Maintainer, 20 Ga x 3.5 mm Tip	110
5-021	Hook, Angled, 0.15 mm x 10.00 mm Shaft, Length 120 mm, Round Titanium Handle	68
16-50S	Lid Plate, 20.00 mm and 24.00 mm Wide, Length 110 mm, Stainless Steel	117

16-50T	Lid Plate, 20.00 mm and 24.00 mm Wide, Length 110 mm, Titanium	117
<b>Lieberman</b>		
<b>Nasal Speculum</b>		
14-081LA	with Aspiration, Adult Size, 14.00 mm Rounded Open Blades, Specially Designed for LASIK, Length 75mm	104
14-0411T	14.00 mm "V" Shaped Blades, Flat Branches, Adult Size, Length 76 mm, Titanium	104
14-0431T	10.00 mm "V" Shaped Blades, Flat Branches, Child Size, Length 76 mm, Titanium	104
14-0411TL	14.00 mm Rounded Open Blades, Flat Branches, Specially Designed for LASIK, Length 70 mm, Titanium	104
14-041T	14.00 mm "V" Shaped Blades, Round Branches, Adult Size, Length 76 mm, Titanium	104
14-043T	10.00 mm "V" Shaped Blades, Round Branches, Child Size, Length 76 mm, Titanium	104
14-041TK	14.00 mm Kratz Style Blades, Round Branches, Length 76 mm, Titanium	104
<b>Temporal Speculum</b>		
14-082A	with Aspiration, Child Size, 10.00 mm "V" Shaped Blades, Length 64 mm	104
14-080A	with Aspiration, Adult Size, 14.00 mm "V" Shaped Blades, Length 78 mm	104
14-0401T	14.00 mm "V" Shaped Blades, Flat Branches, Adult Size, Length 76 mm, Titanium	104
14-0401S	14.00 mm "V" Shaped Blades, Flat Branches, Adult Size, Length 76 mm, Stainless Steel	104
14-0401TK	14.00 mm Kratz Style Blades, Flat Branches, Adult Size, Length 76mm, Titanium	106
14-0401TL	14.00 mm Rounded Open Blades, Flat Branches, Specially Designed for LASIK, Length 76 mm, Titanium	106
14-040T	14.00 mm "V" Shaped Blades, Round Branches, Adult Size, Length 71 mm, Titanium	106
14-040S	14.00 mm "V" Shaped Blades, Round Branches, Adult Size, Length 71 mm, Stainless Steel	106
14-042T	10.00 mm "V" Shaped Blades, Round Branches, Child Size, Length 71 mm, Titanium	106
14-042S	10.00 mm "V" Shaped Blades, Round Branches, Child Size, Length 71 mm, Stainless Steel	106
14-040TL	14.00 mm Rounded Open Blades, Round Branches, Specially Designed for LASIK, Length 71 mm, Titanium	106
14-040TK	14.00 mm Kratz Style Blades, Round Branches, Adult Size, Length 71 mm, Titanium	106
14-080LA	with Aspiration, Adult Size, 14.00 mm Rounded Open Blades, Specially Designed for LASIK, Length 78 mm	106
12-5186	Loading Forceps, 23/25 Ga, Length 116 mm, Titanium	140
<b>LRI</b>		
2-031T	Gauge, with Atraumatic Fixation Teeth, 13.00/19.00 mm Diameters, Length 134 mm, Titanium	38
3-190T	Axis Marker, Pre-Op Reference Marker, Horizontal Axis 3' and 9', Length 120 mm, Titanium	42
3-1801	Marker, 40-60-80 Degrees, with Degree Gauges, Length 130 mm, Titanium	42
3-183T	Marker, Intra-Op, 30, 45 and 60 Degree Marks, Length 104 mm, Titanium	42
3-191	Slit Lamp Gravity Marker, Pre-Op, 14.00 mm, Horizontal Axis 3' and 9', Length 138 mm, Round Titanium Handle, Stainless Steel Gravity System	42
3-192	Lum Gravity Axis Marker, Pre-Op, 14.00 mm, Angled, Horizontal Axis 3' and 9', Length 140 mm, Round Titanium Handle, Stainless Steel Gravity System	42
12-3044	Lucke Multipurpose Forceps, 20 Ga, Tip Only	134
<b>M</b>		
4-2113S	MacDonald Style Inserting Forceps, Cross Action, Length 107 mm, Stainless Steel	59
16-020T	Maloney Intraoperative Keratometer, Titanium	37
20-050	Marking Pen, double-ended, Disposable, 10 per Box	125
15-061-26	McIntyre Anterior Chamber Maintainer Angled, 26 Ga	110
<b>McPherson Tying Forceps</b>		
<b>Angled</b>		
4-175T	10.00 mm Tying Platform, Length 104 mm, Titanium	66
4-175S	10.00 mm Tying Platform, Length 104 mm, Stainless Steel	66
4-176T	12.00 mm Tying Platform, Length 106 mm, Titanium	66
4-173T	6.00 mm Tying Platform, Length 102 mm, Titanium	66
4-173S	6.00 mm Tying Platform, Length 102 mm, Stainless Steel	66
4-174T	8.00 mm Tying Platform, Length 103 mm, Titanium	67
4-174S	8.00 mm Tying Platform, Length 103 mm, Stainless Steel	67
4-174D	Disposable, Angled, 6 per Box	66
<b>Curved</b>		
4-177S	4.00 mm Tying Platform, Length 109 mm, Stainless Steel	66
4-177T	4.00 mm Tying Platforms, Length 109 mm, Titanium	66
4-177D	Disposable, 6 per Box	66
<b>Straight</b>		
4-171S	4.00 mm Tying Platform, Length 84 mm, Stainless Steel	66
4-171T	4.00 mm Tying Platform, Length 84 mm, Titanium	66
4-178S	7.00 mm Tying Platform, Length 110 mm, Stainless Steel	66
11-062S	McPherson-Vannas Curved Iris Scissors, Sharp Tips, 8.00 mm Blades, Round Handle, Length 85 mm, Stainless Steel	89

<b>Melles</b>		
13-154T	DSAEK PLK Scraper, Style 1, 45° Angle, Length 125 mm, Titanium	97
13-155T	DSAEK PLK Scraper, Style 2, 90° Angle, Length 125 mm, Titanium	97
13-092	Membrane Scratcher, 20 Ga	136
<b>Mendez Degree Gauge</b>		
2-030T	Round Handle, Length 134 mm, Titanium	38
2-030S	Round Handle, Length 134 mm, Stainless Steel	38
2-034T	with 4 Grooves, 12.00/14.00 mm Diameters, Length 120 mm, Titanium	38
2-0331T	with 4 Grooves, 13.00/16.50 mm Diameters, Length 122 mm, Titanium	38
2-0331S	with 4 Grooves, 13.00/16.50 mm Diameters, Length 122 mm, Stainless Steel	38
2-033T	with 4 Grooves, 13.00/18.00 mm Diameters, Length 136 mm, Titanium	38
<b>Meyerhoefer Chalazion Curette</b>		
16-063	Size 0-1.50 mm, Length 135 mm, Round Titanium Handle	118
16-063S	Size 0-1.50 mm, Length 135 mm, Round Handle, Stainless Steel	118
16-064	Size 1-1.75 mm, Length 135 mm, Round Titanium Handle	118
16-064S	Size 1-1.75 mm, Length 135 mm, Round Handle, Stainless Steel	118
16-065	Size 2-2.00 mm, Length 135 mm, Round Titanium Handle	118
16-065S	Size 2-2.00 mm, Length 135 mm, Round Handle, Stainless Steel	118
16-066	Size 3-2.50 mm, Length 135 mm, Round Titanium Handle	118
16-066S	Size 3-2.50 mm, Length 135 mm, Round Handle, Stainless Steel	118
16-067	Size 4, 3.50 mm, Length 135 mm, Round Titanium Handle	118
16-067S	Size 4, 3.50 mm, Length 135 mm, Round Handle, Stainless Steel	118
4-2173	Micro Foldable Lens Cutter, Straight Scissors, Blades with Notches, 19 Ga	93
16-0111	Micro Trabeculectomy Punch, 0.60 mm Diameter, 0.30 mm x 0.60 mm Deep Bite, 20 Ga, Tip Only	118
4-2303T	Moorfields Suturing Forceps, Grooved section 14.00 mm, Flat Handle, Length 110 mm, Titanium	65
<b>N</b>		
<b>Nagahara</b>		
7-0631	Phaco Chopper & Drysdale Nucleus Manipulator, Double Ended, Length 133 mm, Round Titanium Handle	77
7-0631S	Phaco Chopper & Drysdale Nucleus Manipulator, Double Ended, Length 133 mm, Stainless Steel	77
7-064	Phaco Chopper, LHD, Dull Finish, Length 120 mm	77
7-063	Phaco Chopper, RHD, Dull Finish, Length 120 mm	77
7-063S	Phaco Chopper, RHD, Dull Finish, Length 120 mm, Stainless Steel	77
7-063D	Phaco Chopper, RHD, Disposable, 6 per Box	20
16-127	Nasal Speculum, Adult Size, Polished finish, Length 150 mm, Stainless Steel	119
4-0352T	Nevyas Capsulorhexis Forceps, Cytotome Triangular Claw-Shaped Tips, 11.50 mm Straight Jaws, Flat Handle, Length 105 mm, Titanium	47
4-08011T	Nevyas-Wallace Fixation Forceps, 0.12 mm, 1 x 2 Teeth, Straight, Round Handle, Length 105 mm, Titanium	58
7-072	Nucleus Claw Chopper, Angled, Round Handle, Length 120 mm	77
<b>Nucleus Hydrodissector</b>		
15-071-23	Spatulated, 23 Ga x 22 mm	111
15-071-25	Spatulated, 25 Ga x 22 mm	111
15-071-27	Spatulated, 27 Ga x 22 mm	111
15-079L	McIntyre-Binkhorst Cannula, 26 Ga, Left	111
<b>O</b>		
13-1081-23	Ogura PVD Spatula, 23 Ga	136
3-034	Optical Zone Marker, ICSR Set, Double Ended, 0.15/0.50 mm	41
10-034T	Orbital Globe Retractor-Elevator, Double Ended, 10.00/14.00 mm, Length 180 mm, Titanium	86
<b>Osher</b>		
4-2175S	IOL Scissors, To Cut Silicone Or Acrylic IOL, 8.50 mm Blades, Length 91 mm, Stainless Steel	61
4-136S	Superior Rectus Forceps, Curved with 1x2 teeth, 0.50 mm, Angled Shafts, 10 mm from Tip to Angle, Length 106 mm, Stainless Steel	65
11-013S	Universal Corneal Scissors, Blunt Tips, Gently Curved, 21.00 mm Blades, Length 120 mm, Stainless Steel	88
3-0304T	Osher-Neuman Low Profile Corneal Marker, 8 Lines, Length 130 mm, Titanium	40
<b>OVDs</b>		
SmartVisc	1 ml Syringe w/Sodium Hyaluronate 1.6%; Disp. Inject. Cannula 27 Ga	12
SmartVisc PLUS	1 ml Syringe w/Sodium Hyaluronate 3.0%; Disp. Inject. Cannula 23 Ga	12
Supreme	2 ml Syringe w/HPMC 2%; Disp. Inject. Cannula	12
<b>P</b>		
13-110	Paton Spatula And Spoon, Double Ended, Length 150 mm, Round Titanium Handle	95

<b>Paufique</b>		
4-0606T	Suturing Forceps, 0.50 mm, 1 x 2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 87 mm, Titanium	65
4-0606S	Suturing Forceps, 0.50 mm, 1 x 2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 87 mm, Stainless Steel	65
15-073-27	Pearce J-Shaped Micro Hydrodissector 27 Ga x 22 mm	111
<b>Pick Vitreoretinal Forceps</b>		
12-325	Reusable, 20 Ga, Tip Only	135
12-325-23	Reusable, 23 Ga, Tip Only	135
12-3259	Reusable, 25 Ga, Tip Only	135
12-325-23H	Reusable, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System	135
12-325-25H	Reusable, 25 Ga, Attached to a Universal Handle, with RUMEX Flushing System	135
12-325-23D	Disposable, 23 Ga, Stainless Steel, 6 per Box	141
12-325-25D	Disposable, 25 Ga, Stainless Steel, 6 per Box	141
9-031	Pigtail Lacrimal Probe, 8.00 mm Probes with Holes, Polished Tip, Length 134 mm, Round Titanium Serrated Handle	85
9-031S	Pigtail Lacrimal Probe, 8.00 mm Probes with Holes, Polished Tip, Length 134 mm, Round Serrated Handle, Stainless Steel	85
R2-40405	PVA Spears, pack of 10/box: 180	22
<b>Sterilizing Tray</b>		
<b>Aluminum</b>		
18-319	w/silicone mat, 155 × 65 × 20 mm	122
18-320	w/silicone mat, 155 × 65 × 40 mm	122
18-321	w/silicone mat, 200 × 65 × 20 mm	122
18-322	w/silicone mat, 200 × 110 × 20 mm	122
18-323	w/silicone mat, 200 × 110 × 40 mm	122
18-324	w/silicone mat, 260 × 160 × 20 mm	122
18-325	w/silicone mat, 260 × 160 × 40 mm	122
18-326	w/silicone mat, Double level, 260 × 160 × 40 mm	122
18-327	w/silicone mat, Double level, 260 × 160 × 80 mm	122
18-328	w/silicone mat, 260 × 160 × 80 mm	122
18-331	w/silicone mat, 215 × 165 × 20 mm,	122
18-332	w/silicone mat, 310 × 235 × 20 mm	122
18-333	w/silicone mat, Double Level + Open Section, 375 × 220 × 45 mm	122
18-334	w/silicone mat, 390 × 265 × 20 mm	122
18-335	w/silicone mat, 390 × 265 × 40 mm	122
18-336	w/silicone mat, Double level, 390 × 265 × 40 mm	122
<b>Plastic</b>		
18-300	w/2 silicone plug-in inserts, 190 × 101 × 38 mm	121
18-301-1	w/2 silicone plug-in inserts, 152 × 63.5 × 19 mm	121
18-305-1	w/2 silicone plug-in inserts, 254 × 152.4 × 38 mm	121
18-303-1	w/2 silicone plug-in inserts, 190 × 101 × 19 mm	121
18-300-1	w/silicone mat, 190 × 101 × 38 mm	121
18-301	w/silicone mat, 152 × 63.5 × 19 mm	121
18-302	w/silicone mat, 165 × 101 × 19 mm	121
18-303	w/silicone mat, 190 × 101 × 19 mm	121
18-304	w/silicone mat, 254 × 152 × 19 mm	121
18-305	w/silicone mat, Double level, 254 × 152.4 × 38 mm	121
18-307	w/silicone mat, 68.5 × 38 × 25.5 mm	121
18-308	w/silicone mat, 190.5 × 63.5 × 19 mm	121
18-318	Stainless Steel Tray with Silicone Mat, Double Level, 240.00 x 240.00 x 60.00 mm	121
4-0814T	Pollack Corneal Transplantation Fixation Forceps, Curved, Round Handle, Length 112 mm, Titanium	58
<b>Prechopper</b>		
<b>Akahoshi</b>		
7-1163S	Hybrid Combo Prechopper, Straight, Cross Action, Max Opening 2.80 mm, Round Handle, Length 121 mm, Stainless Steel	76
<b>Combo</b>		
7-1162S	Prechopper for Sub-2.00 mm Coaxial MicroPhaco, Straight, Cross Action, Max Opening 2.00 mm, Round Handle, Length 121 mm, Stainless Steel	76
7-1161S	Prechopper, Sharp&Blunt Blades, Straight, Cross Action, Max Opening 2.80 mm, Round Handle, Length 121 mm, Stainless Steel	76
7-1167S	Crozafon Prechopper, Round Handle, Length 118 mm, Stainless Steel	76
<b>Inamura</b>		
7-11651S	Eagle Prechopper, Straight, Cross Action, Max Opening 1.80 mm, Round Handle, Length 121 mm, Stainless Steel	76

7-1165S	Eagle Prechopper, Straight, Cross Action, Max Opening 2.80 mm, Round Handle, Length 121 mm, Stainless Steel	76
7-111S	Prechopper Angled, Cross Action, Max opening 2.80 mm, Round Handle, Length 117 mm, Stainless Steel	76
7-1166S	Yeoh Femtosecond Prechopper, Straight, Cross-Action, Max opening 2.00 mm, Blunt Atraumatic Tips, Length 120 mm, Stainless Steel	76
4-140T	Putterman Type Lid Clamp, Length 100 mm, Titanium	52
<b>Q</b>		
<b>Quickert Lacrimal Intubation Probe</b>		
9-021S	Size 0, Length 140 mm, Stainless Steel	85
9-023S	Size 2, Length 140 mm, Stainless Steel	85
<b>R</b>		
<b>ReLEx SMILE</b>		
20-2071	Double Lenticule Spatula (Blunt Spoon and Shortened Flat Spatula), Length 139 mm, Round Titanium Handle	101
4-0398	Cross-Action Forceps, Length 120 mm	31
20-207	Stodulka Double Lenticule Spatula (Blunt Spoon And Flat Spatula), Length 140 mm, Round Titanium Handle	101
4-2012S	Stodulka Forceps, Angled, Flat Handle, Length 100 mm, Stainless Steel	54
<b>Reservoir</b>		
12-5147	for Backflush Instrument, Passive, 5 per Box	144
12-5159	for Backflush Instrument, Aktive, 5 per Box	144
21-R1125	Retrobulbar Needle-Atkinson 25 Ga x 38 mm, 10 per Box	25
3-196	Richman Toric Marker, Angled shaft	44
<b>Rosen</b>		
7-065	Phaco Chopper Universal, Angled, Length 120 mm, Round Titanium Handle	77
7-065S	Phaco Chopper Universal, Angled, Length 120 mm, Round Handle, Stainless Steel	77
7-067	Phaco Splitter, LHD, Wedge Shaped, 60° Angled, Length 120 mm	77
7-066	Phaco Splitter, RHD, Wedge Shaped, 60° Angled, Length 120 mm	77
7-065D	Phaco Chopper, Universal, Disposable, 6 per Box	77
<b>Rowen Rescue Kit for Lens Removal</b>		
4-2150	Crocodile Type Forceps, 20 Ga, Tip Only	60
4-2151	Straight Scissors, 18 Ga, Tip Only	60
<b>Rumex</b>		
16-010	Corneoscleral Punch (0.50, 0.75, 1.00, 1.50 mm Tips), Length 110 mm, Titanium Handle	118
4-21731	Foldable Lens Cutter, Length 113 mm, Squeeze Titanium Handle	61
2-062S	Internal Micro Incision Gauges, 16 Blades 1.00 - 2.50 mm, Length 75 mm, Stainless Steel	37
5-031	Lens Manipulator, Button Shaped Tip 0.45 mm, Angled, Length 122 mm, Round Titanium Handle	68
3-1941	Toric Combo Marker, Horizontal 0-0 Axis, Length 125 mm, Round Titanium Handle, Stainless Steel Gravity System	43
3-194	Toric Combo Marker, Vertical 0-0 Axis, Length 125 mm, Round Titanium Handle, Stainless Steel Gravity System	43
5-046	Rychwalski Muscle Hook, 12.00 mm Hook with Groove, Length 140 mm, Flat Titanium Handle	70
<b>Rycroft Anterior Chamber Cannula</b>		
15-051-23	23 Ga x 22 mm, 4 mm bend length 122	109
15-051-25	25 Ga x 22 mm, 4 mm bend length 122	109
15-051-27	27 Ga x 22 mm, 4 mm bend length 122	109
15-052-27	27 Ga x 22 mm, 6 mm bend length 122	109
15-053-27	27 Ga x 22 mm, 8 mm bend length 122	109
15-051-30	30 Ga x 22 mm, 4 mm bend length 122	109
<b>S</b>		
<b>Sandblasted</b>		
12-301	Reusable Gripping Vitreoretinal Forceps, 20 Ga, Tip Only	134
12-301-23	Reusable Gripping Vitreoretinal Forceps, 23 Ga, Tip Only	134
12-3019	Reusable Gripping Vitreoretinal Forceps, 25 Ga, Tip Only	134
12-413	De Juan Pick Forceps, 20 Ga, Tip Only	135
12-301-23D	Disposable Gripping Vitreoretinal Forceps, 23 Ga, Disposable, 6 per Box	134
12-301-25D	Disposable Gripping Vitreoretinal Forceps, 25 Ga, Disposable, 6 per Box	134
12-301-23H	Reusable Gripping Forceps, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System	134
12-301-25H	Reusable Gripping Forceps, 25 Ga, Attached to a Universal Handle, with RUMEX Flushing System	134
<b>Sapphire Knife</b>		
<b>Clear Corneal Blade</b>		
6-20/6SK-075	60°, 2.20 mm	74
6-20/6SK-080	60°, 2.65 mm	74
6-20/6SK-072	60°, 2.80 mm	74
6-20/6SK-093	Crescent Blade 2.20 mm	74

	<b>Double Edge Blade</b>	
6-10/6SK-0501	45°, 1.00 mm	74
6-10/6SK-070	Lancet, 60°, 1.00 mm	74
	<b>Trapezoid Blade</b>	
6-20/6SK-145	1.80 - 2.20 mm	74
6-20/6SK-146	1.80 - 2.40 mm	74
6-20/6SK-147	1.80 - 2.90 mm	74
6-10/6SK-053	Trifacet Blade, 1.00 mm	74
6-20/6SK-0551	Zaldivar ICL Blade, 0.55 - 1.00 mm	74
	<b>Sauer Lid Speculum</b>	
14-030	Child size, Solid 8 mm Blades, Length 35 mm	107
14-031	Newborn, Solid 5 mm Blades, Length 35 mm	107
14-032	Premature, Solid 4 mm Blades, Length 35 mm	107
16-080S	Schaedel Towel Clamp, Flat handle, Length 85 mm, Stainless Steel	67
	<b>Schocket</b>	
16-111S	Double-Ended Scleral Depressor, with pocket clip, Length 143 mm, Stainless Steel	118
16-111	Double-Ended Scleral Depressor, with pocket clip, Length 143 mm, Round Titanium Handle	118
12-5086S	Scleral Plugs Forceps, Length 106 mm, Stainless Steel	140
	<b>Scobee</b>	
5-061	Oblique Muscle Hook, Curved, Flat 4.50 mm Hook, Length 136 mm, Flat Titanium Handle	70
5-061S	Oblique Muscle Hook, Curved, Flat 4.50 mm Hook, Length 136 mm, Flat Handle, Stainless Steel	70
	<b>Seibel</b>	
7-130	Chopper, Ball-Shaped Tip, Length 122 mm, Round Titanium Handle	77
7-1361	Chopper/Quick Chopper with Rounded Edge, RHD, Length 132 mm, Round Titanium Handle	77
16-090S	Serrefine, Straight, Large Size, Length 55 mm, Stainless Steel	64
15-032	Shahinian Lacrimal Cannula, 25 Ga x 35 mm	114
15-203	Sheets Irrigating Vectis, 21 Ga x 38 mm, 3 irrigating ports	111
11-0481S	Shepard-Westcott Curved Tenotomy Scissors, Blunt Tips, 21.00 mm Blades, Length 123 mm, Stainless Steel	91
10-030S	Schepens Orbital Retractor, Length 144 mm, Stainless Steel	86
15-301/303	Silicone Bulb with Adapter	114
	<b>Silicone Oil</b>	
SmartSil1000	1000 cSt, 10 ml in a 20 ml syringe	146
SmartSil5000	5000 cSt, 10 ml in a 20 ml syringe	146
	<b>Silicone Oil Injection System</b>	
12-RTUB-4	Reusable Tubing System Adjustable to Oerliti® Orbit™, Faros™, OS3™	147
12-RTUB-3	Reusable Tubing System Adjustable to B&L® Millenium™, Stellaris™	147
12-RTUB-2	Reusable Tubing System Adjustable to DORC® Associate; Alcon® Constellation™	147
12-RTUB-1	Reusable Tubing System Adjustable to Loltech® Pentasys; Optikon® Antares; Alcon® STTO; Storz® Premiere	147
	<b>Simcoe</b>	
15-091-13/23	Cortex Extractor Cannula, 23 Ga x 13 mm	112
15-129-0.4	I/A Cannula, 23/22 Ga, 0.4 mm Port, Regular	110
15-129-0.3	I/A Cannula, 23/23 Ga, 0.3 mm Port, Regular	110
7-080/SIM	I/A Tip	81
15-133-0.4	Reverse I/A Cannula, 23/22 Ga, Asp 0.4 mm Port, Irr. Through Tubing	110
15-133-0.3	Reverse I/A Cannula, 23/23 Ga, Asp 0.3 mm Port, Irr. Through Tubing	110
21-R5023	Cortex Extractor - 23 Ga, 0.3 mm Top Port, 10 per Box	26
	<b>Sinsky Hook</b>	
5-032	Angled, 0.15 mm x 10.00 mm Shaft, Length 122 mm, Round Titanium Handle	68
5-032S	Angled, 0.15 mm x 10.00 mm Shaft, Length 122 mm, Round Handle, Stainless Steel	68
5-0321	Straight, 0.15 mm, Round Handle, Length 122 mm, Round Titanium Handle	68
5-0322	Reversed, Angled, 0.15 x 10.00 mm Shaft, Length 117 mm, Round Titanium Handle	68
5-032D	Disposable, Angled, 6 per Box	68
14-052T	Slade-Murdoch Speculum, Parallel Retraction Design, 14.00 mm Open Blades, Length 51 mm	106
	<b>Soft Tip Cannula</b>	
12-5161	23 Ga, 5 per Box	144
12-5152	25 Ga, 5 per Box	144
12-5491	27 Ga, 5 per Box	144
	<b>Spatula</b>	
13-152S	Carlson DSEK Smoother, Angled/ Vaulted Shaft, Length 119 mm, Stainless Steel	97
13-020	Curved, 0.25 mm Wide, 12.00 mm Long, Length 122 mm, Round Titanium Handle	94
13-172	Dissector for DALK Procedure, 12 mm Length, Length 122 mm	99
7-079	Double Phaco (Small Pupil Snapper Hook & Micro Finger), Length 142 mm, Round Titanium Handle	78
13-032	Double, 0.30 mm and 0.50 mm Wide, 12.00 mm Long, Length 134 mm, Round Titanium Handle	94

13-031	Double, 0.50 mm and 1.00 mm Wide, 12.00 mm Long, Length 144 mm, Round Titanium Handle	94
13-031S	Double, 0.50 mm and 1.00 mm Wide, 12.00 mm Long, Length 144 mm, Round Handle, Stainless Steel	94
13-171	for DALK Procedure, 1.00 x 9.00 mm Tip, Length 122 mm, Round Titanium Handle	99
20-204	for Femtosecond Laser Procedure, Length 120 mm, Round Titanium Handle	20
20-204D	for Femtosecond Laser Procedure, Disposable, 6 per Box	20
13-150T	Guide for Corneal Endothelium Implantation, Length 122 mm, Titanium	96
7-070	Koch Nucleus Spatula, Curved, Duck Bill Tips with Notches, Length 122 mm, Round Titanium Handle	78
13-010	Straight, 0.25 mm Wide, 10.00 mm Long Tip, Length 122 mm, Round Titanium Handle	94
13-011	Straight, 0.40 mm Wide, 14.00 mm Long, Length 122 mm, Round Titanium Handle	94
13-011S	Straight, 0.40 mm Wide, 14.00 mm Long, Length 122 mm, Round Handle, Stainless Steel	94
13-014	Straight, 1.00 mm Wide, 13.00 mm Long, Length 122 mm, Round Titanium Handle	94
13-014S	Straight, 1.00 mm Wide, 13.00 mm Long, Length 122 mm, Round Handle, Stainless Steel	94
13-153S	Terry DSEK Scraper, Angled shaft, 11.00 mm from Tip to Angle, Hole-shaped Scraper Facing Upward, Length 112 mm, Stainless Steel	97
13-170	Trisector for DALK Procedure, 1.4 x 0.7 mm Tip, Length 124 mm	99
12-321	Spring Gripping Vitreoretinal Forceps, 20 Ga, Tip Only	135
12-321-23	Spring Gripping Vitreoretinal Forceps, 23 Ga, Tip Only	135
<b>Steinert</b>		
4-2107T	Paddle Lens Folding Forceps, Angled Shafts, Flat Handle, Length 110 mm, Titanium	59
4-2107S	Paddle Lens Folding Forceps, Angled Shafts, Flat Handle, Length 110 mm, Stainless Steel	59
<b>Stevens</b>		
<b>Hook</b>		
5-062	Curved Tenotomy, 6.00 mm Flat Hook, Length 120 mm, Flat Titanium Handle	70
5-062S	Curved Tenotomy, 6.00 mm Flat Hook, Length 120 mm, Flat Handle, Stainless Steel	70
<b>Tenotomy Scissors</b>		
11-132S	Curved, Blunt Tips, Length 115 mm, Stainless Steel	91
11-131S	Curved, Sharp Tips, Length 115 mm, Stainless Steel	91
11-133S	Straight, Blunt Tips, Length 115 mm, Stainless Steel	91
11-130S	Straight, Sharp Tips, Length 115 mm, Stainless Steel	91
<b>Stevenson</b>		
10-013	Lacrimal Sac Retractor, Curved, 2 x 3 mm Teeth, Length 83 mm	86
10-013S	Lacrimal Sac Retractor, Curved, 2 x 3 mm Teeth, Length 83 mm, Stainless Steel	86
<b>Stodulka</b>		
7-0811	Enhanced Irrigation Handpiece, Curved, 21 Ga	81
4-2012S	Forceps for Small-Incision Lenticule Extraction (ReLEx SMILE), Angled, Flat Handle, Length 100 mm, Stainless Steel	54
20-207	ReLEx Smile Double Lenticule Spatula (Blunt Spoon And Flat Spatula), Length 140 mm, Round Titanium Handle	101
12-335	Stolyarenko Forceps for Large Foreign Body, 20 Ga, Tip Only	135
13-146	Suarez Spreader, ICSR Set, 1 x 6 x 1.25 mm, Straight	103
<b>Sub-Tenon's Anesthesia Cannula</b>		
15-009	(Para), Curved, 19 Ga x 25 mm, 0.30 mm Side Port	109
21-R1320	20 Ga x 1 in (90 x 25 mm), 10 per Box	25
15-011C-19	Curved, 19 Ga x 25 mm, 3 ports	109
15-013-19	Curved, Flattened Tip, 19 Ga x 25 mm, Front Opening	109
16-137	Surgical Chisel, 3.00 mm, Stainless Steel	119
16-135	Surgical Mallet, Polished Finish, Stainless Steel	119
<b>Subretinal Scissors</b>		
<b>Curved</b>		
12-209	Reusable, Curvature Radius 12 mm, 20 Ga, Tip Only	132
12-209-23	Reusable, Curvature Radius 12 mm, 23 Ga, Tip Only	142
12-209-23H	Reusable, Curvature Radius 12 mm, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System	139
12-2099	Reusable, Curvature Radius 12 mm, 25 Ga, Tip Only	138
12-209-25H	Reusable, Curvature Radius 12 mm, 25 Ga, Attached to a Universal Handle, with RUMEX Flushing System	142
12-209-23D	Disposable, 23 Ga, Stainless Steel, 6 per Box	142
12-209-25D	Disposable, 25 Ga, Stainless Steel, 6 per Box	142
12-209-23DP	Disposable, 23 Ga, Plastic Handle 360°, 6 per Box	142
12-209-25DP	Disposable, 25 Ga, Plastic Handle 360°, 6 per Box	142
12-209-27DP	Disposable, 27 Ga, Plastic Handle 360°, 6 per Box	142
<b>Straight</b>		
12-211	Reusable, Rounded Blades, 20 Ga, Tip Only	142
12-211-23DP	Disposable, 23 Ga, Plastic Handle 360°, 6 per Box	142
12-211-25DP	Disposable, 25 Ga, Plastic Handle 360°, 6 per Box	142
12-211-27DP	Disposable, 27 Ga, Plastic Handle 360°, Disposable, 6 per Box	142

<b>Vertical</b>		
12-2029	Reusable, 45°, 25 Ga, Tip Only	132
12-202	Reusable, 70°, 20 Ga, Long Sharp Tips, Tip Only	132
12-202-23	Reusable, 70°, 23 Ga, Long Sharp Tips, Tip Only	132
12-202-23DP	Disposable, 23 Ga, Plastic Handle 360°, 6 per Box	142
12-202-25DP	Disposable, 25 Ga, Plastic Handle 360°, 6 per Box	142
<b>Sutures</b>		
22-R1404	10-0 Nylon 30 cm, Needle: Trape Spatula 5.50 mm 7/16 Curve	23
22-R1404S	10-0 Nylon 15 cm, Needle: Trape Spatula 5.50 mm 7/16 Curve	23
22-R1410	10-0 Nylon 30 cm, Needle: Trape Spatula 7.00 mm 1/2 Curve	23
22-R2002	10-0 Nylon 30 cm, Needle: Trape Spatula 6.50 mm 3/8 Curve	23
22-R2090	8-0 Polyglycolic Acid 30 cm, Needle: Trape Spatula 6.50 mm 3/8 Curve	23
22-R2801	6-0 Silk 45 cm, Needle: Trape Spatula 6.50 mm 3/8 Curve	23
22-R3305	6-0 Silk 45 cm, Needle: Reverse Cut 11.00 mm 3/8 Curve	23
22-R3373	5-0 Polyester 45 cm, Needle: Dia Spatula 8.00 mm 1/4 Curve	23
22-R3377	5-0 Polyester 45 cm, Needle: Trape Spatula 8.00 mm 1/4 Curve	23
<b>T</b>		
13-185	Tan Marginal DMEK Dissector, Length 132 mm, Round Titanium Handle	98
12-414	Tanaka Maculorhexis Forceps, 23 Ga, Tip Only	133
<b>Tennant Tying Forceps</b>		
4-1851T	Angled, Extra Delicate Tips, for 9-0 to 11-0 Sutures, Round Handle, Titanium	67
4-186S	Curved, Extra Delicate Tips, for 9-0 To 11-0 Sutures, Round Handle, Length 107 mm, Stainless Steel	67
4-185S	Straight, Extra Delicate Tips, for 9-0 to 11-0 Sutures, Round Handle, Length 108 mm, Stainless Steel	67
4-185T	Straight, Extra Delicate Tips, for 9-0 to 11-0 Sutures, Round Handle, Length 108 mm, Titanium	67
16-139	Tenzel Double Ended Periosteal Elevator, Length 195 mm, Round Titanium Handle	119
13-153S	Terry DSEK Scraper, Angled shaft, 11.00 mm from Tip to Angle, Hole-shaped Scraper Facing Upward, Length 112 mm, Stainless Steel	97
3-181	Toric IOL Marker, Intra-Op, Length 130 mm, Titanium	41
16-081S	Towel Forceps, Ring handle, Length 90 mm, Stainless Steel	67
13-170	Trisector for DALK Procedure, 1.40 x 0.70 mm Tip, Length 124 mm	99
<b>Trocar System</b>		
12-5173-23	Two Step, Reusable, 23 Ga	140
12-5173-25	Two Step, Reusable, 25 Ga	140
12-5229	One Step, Disposable, 23 Ga, 6 per Box	143
12-5244	One Step, Disposable, 25 Ga, 6 per Box	143
12-5227	One Step, Disposable, 27 Ga, 6 per Box	143
<b>Tunnel Maker</b>		
16-173S	4.40/5.60 mm Diameter, 0.30 mm Width, Left, Stainless Steel	119
16-174S	4.40/5.60 mm Diameter, 0.30 mm Width, Right, Stainless Steel	119
3-143T	Tunnel Zone Marker, 4.00/6.00 mm Diameter, 40° Angled to Handle, Length 127 mm, Titanium	41
<b>U</b>		
13-181	Uy Laser Lens Fragmentation Combo Manipulator, Length 131 mm, Round Titanium Handle	95
<b>V</b>		
3-195	Velasquez Gravity Corneal Marker for LRI/Toric IOL Implantation, Angled Shaft, 4 Radial Blades for Horizontal And Vertical Axes Marking, Internal Ring Diameter 5 mm, Length 164 mm, Titanium Handle, Stainless Steel Gravity System	44
15-1051-30	Viscocanalostomy Cannula, 30 Ga, 5 mm Beveled Tip	113
<b>Viscoelastic Cannula</b>		
21-R2225	Angled 9 mm 25 Ga x 22 mm, 10 per Box	113
21-R2227	Angled 9 mm 27 Ga x 22 mm, 10 per Box	113
21-R2323	Angled 10 mm 23 Ga x 22 mm, 10 per Box	113
21-R2327	Angled 10 mm 27 Ga x 22 mm, 10 per Box	113
<b>Viscoelastic Solution set</b>		
SmartVisc	1 ml Syringe w/Sodium Hyaluronate 1.6%; Disp. Inject. Cannula 27 Ga	12
SmartVisc PLUS	1 ml Syringe w/Sodium Hyaluronate 3.0%; Disp. Inject. Cannula 23 Ga	12
Supreme	2 ml Syringe w/HPMC 2%; Disp. Inject. Cannula 22Ga	12
12-5248	Viscous Fluid Injection Cannula, Disposable, 23 Ga	147
12-5258	Viscous Fluid Injection Cannula, Disposable, 25 Ga	147
<b>Vitreoretinal End-Gripping Forceps</b>		
12-401	Reusable, with Extended Gripping Area at the End Of The Tip, 20 Ga, Tip Only	129
12-4012	Reusable, with Extended Gripping Area at The End Of The Tip, 23 Ga, Tip Only	134

12-400	Reusable, with Serrated Micro Jaws, 20 Ga, Tip Only	134
12-303	Vitreoretinal Angled Gripping Forceps, 20 Ga, Tip Only	135
12-313	Vitreoretinal Forceps with Cup Jaws, 20 Ga, Tip Only	135
12-215	Vitreoretinal Scissors, Side Curved, 20 Ga, Tip Only	132

#### **Vitreoretinal End Grasping Forceps**

12-4013	Reusable, Expanded Space between Branches, 23 Ga, Tip Only	137
12-4013H	Reusable, Expanded Space between Branches, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System, with Rumex Flushing System	137
12-4013-25H	Reusable, Expanded Space between Branches, 25 Ga, Attached to a Universal Handle, with RUMEX Flushing System, with Rumex Flushing System	139

#### **Vitreoretinal Instrument Handle**

12-001T	One Finger Control, Length 108 mm, Titanium	131
12-003T	Squeeze Model, Two Fingers Control, Titanium	46
12-003S	Squeeze Model, Two Fingers Control, Stainless Steel	46

## **W**

4-2201T	Watzke Sleeve Spreading Forceps, Angled, Cross-action, Length 110 mm, Titanium	140
16-060	Wells Enucleation Spoon, Round Knurled Handle, Length 145 mm, Round Titanium Handle	119

#### **Westcott Curved Tenotomy Scissors**

11-040S	Blunt Tips, 13.00 mm Blades, Flat Handle, Length 115 mm, Stainless Steel	91
11-042S	Blunt Tips, 16.00 mm Blades, Flat Handle, Length 120 mm, Stainless Steel	91
11-048S	Blunt Tips, 19.00 mm Blades, Length 116 mm, Stainless Steel	91
11-040D	Blunt Tips, Disposable, 6 per Box	91

#### **Westcott Stitch Scissors**

11-046S	Sharp Tips, Gently Curved 13.00 mm Blades, Flat Handle, Length 115 mm, Stainless Steel	90
11-047S	Sharp Tips, Gently Curved 13.00 mm Blades, Round Handle, Length 115 mm, Stainless Steel	90
11-044S	Sharp Tips, 16.00 mm Blades, Flat Handle, Length 120 mm, Stainless Steel	90
11-125S	Westcott Type Slim Jaws, Gently Curved, Sharp tips, 16.00 mm Blades, Flat Handle, Length 120 mm, Stainless Steel	90
3-040	Whipple Capsulorhexis Centration Marker, 2-Ended, 5.50/6.00 mm	39

#### **Whitehouse Gravity Axis Marker**

3-1932	with Reduced Diameters, Straight, Marks at 3, 6, 9 o'clock, 9.50/12.50 mm, Length 153 mm, Round Titanium Handle, Stainless Steel Gravity System	43
3-193	Angled, Marks At 3, 6, 9 o'clock, 11.00/14.00 mm, Length 153 mm, Round Titanium Handle, Stainless Steel Gravity System	43
3-1931	Straight, Marks at 3, 6, 9 o'clock, 11.00/14.00 mm, Length 152 mm, Titanium Handle, Stainless Steel Gravity System	43

#### **Wilder**

##### **Lacrimal Dilator**

9-050T	Size 1, 19.00 mm Taper, Length 100 mm, Titanium	85
9-050S	Size 1, 19.00 mm Taper, Length 100 mm, Stainless Steel	85
9-051T	Size 2, 23.00 mm Taper, Length 100 mm, Titanium	85
9-051S	Size 2, 23.00 mm Taper, Length 100 mm, Stainless Steel	85
9-052T	Size 3, 32.00 mm Taper, Length 100 mm, Titanium	85

##### **Lens Loop**

16-072	4.00 mm Width, Length 134 mm, Round Handle, Titanium	117
16-072S	4.00 mm Width, Length 134 mm, Round Handle, Stainless Steel	117

## **Z**

#### **Zaldivar**

20-203	FemtoLASIK Spatula, Length 123 mm, Round Titanium Handle	102
13-142	ICL Manipulator, Length 128 mm, Round Titanium Handle	103
11-03721	Iridectomy Scissors, 23 Ga, with Lock, Tip Only	89
4-21432	Zaldivar - Kraff ICL Pacman Forceps, 20 Ga, Tip Only	62

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