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

2021
OPHTHALMIC INSTRUMENTS + IOLs & Consumables
INTRODUCTION

25 years of success 7
RUMEX instruments' advantages and highlights 8
How to place an order 9
Warranty, returns and replacements 9

IOLs, DISPOSABLE INSTRUMENTS, AND CONSUMABLES

IOL IMPLANTATION SOLUTIONS WITH RUMEX 12
IOLs
   Hydrophobic 13
   Hydrophilic 14
OVDs
   Dispersive 16
   Cohesive 17
SILICONE OIL 18
IRIS RETRACTORS 19
DISPOSABLE KNIVES 20
DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT 22
DISPOSABLE INSTRUMENTS FOR POSTERIOR SEGMENT 24
SUTURES 26
DISPOSABLE CANNULAS
   Anesthesia cannulas 28
   Anterior chamber cannulas 28
   Hydrodissection cannulas 29
   Cortex removal cannulas 29
   Cystotome cannulas 29
   Refractive cannulas 30
   Lacrimal cannulas and sets 30

REUSABLE ANTERIOR INSTRUMENTS

NEW 33
FEATURED INSTRUMENTS
   Featured instruments for Femtocataract 39
   Featured instruments for Cornea 42
   Featured instruments for SMILE 44
   Featured instruments for MGD 45
BLADE HOLDERS 46
CALIPERS & GAUGES 47
MARKERS
   Axis markers 49
   Corneal transplant markers 49
   Optical zone markers 50
   LASIK markers 51
   Toric IOL markers 51
   LRI toric markers with gravity weight system 52
   Markers for LRI/Toric IOL implantation with gravity weight system 54
FORCEPS
   Capsulorhexis forceps 55
   Forceps for laser-assisted surgery 57
   MICS capsulorhexis forceps 58
   Cilia forceps 60
   Conjunctiva forceps 60
   Lid and chalazion forceps 60
   Compressing lid forceps 61
<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>LASIK flap forceps</td>
<td>61</td>
</tr>
<tr>
<td>SMILE forceps</td>
<td>61</td>
</tr>
<tr>
<td>ICRS forceps</td>
<td>62</td>
</tr>
<tr>
<td>Corneal forceps</td>
<td>62</td>
</tr>
<tr>
<td>Corneal transplantation forceps</td>
<td>64</td>
</tr>
<tr>
<td>Dressing forceps</td>
<td>65</td>
</tr>
<tr>
<td>Fixation forceps</td>
<td>66</td>
</tr>
<tr>
<td>Lens inserters</td>
<td>67</td>
</tr>
<tr>
<td>IOL removing instruments</td>
<td>68</td>
</tr>
<tr>
<td>ICL forceps</td>
<td>70</td>
</tr>
<tr>
<td>Iris forceps</td>
<td>71</td>
</tr>
<tr>
<td>Jeweler forceps</td>
<td>71</td>
</tr>
<tr>
<td>Hemostatic forceps and serrefines</td>
<td>72</td>
</tr>
<tr>
<td>Muscle forceps</td>
<td>72</td>
</tr>
<tr>
<td>Suturing forceps</td>
<td>73</td>
</tr>
<tr>
<td>Tying forceps</td>
<td>74</td>
</tr>
<tr>
<td>Utility forceps</td>
<td>75</td>
</tr>
<tr>
<td>Towel clamps and forceps</td>
<td>75</td>
</tr>
<tr>
<td>HOOKS</td>
<td></td>
</tr>
<tr>
<td>Intraocular lens hooks</td>
<td>76</td>
</tr>
<tr>
<td>Muscle/tenotomy hooks</td>
<td>77</td>
</tr>
<tr>
<td>Retinal detachment hooks</td>
<td>78</td>
</tr>
<tr>
<td>Iris hooks</td>
<td>78</td>
</tr>
<tr>
<td>DIAMOND KNIVES</td>
<td></td>
</tr>
<tr>
<td>Astigmatic keratotomy and ICRS</td>
<td>79</td>
</tr>
<tr>
<td>Universal side-port knives</td>
<td>79</td>
</tr>
<tr>
<td>Angled phaco knives</td>
<td>80</td>
</tr>
<tr>
<td>Knives for MICS</td>
<td>80</td>
</tr>
<tr>
<td>LRI knives</td>
<td>81</td>
</tr>
<tr>
<td>SAPPHIRE KNIVES</td>
<td></td>
</tr>
<tr>
<td>Universal side-port knives</td>
<td>82</td>
</tr>
<tr>
<td>Phaco knives</td>
<td>82</td>
</tr>
<tr>
<td>PHACO INSTRUMENTS</td>
<td></td>
</tr>
<tr>
<td>Nucleus crackers</td>
<td>83</td>
</tr>
<tr>
<td>Prechoppers</td>
<td>84</td>
</tr>
<tr>
<td>Choppers</td>
<td>85</td>
</tr>
<tr>
<td>Hydrochoppers</td>
<td>89</td>
</tr>
<tr>
<td>Capsule polishers</td>
<td>89</td>
</tr>
<tr>
<td>Irrigation/aspiration handpieces</td>
<td>90</td>
</tr>
<tr>
<td>NEEDLE HOLDERS</td>
<td></td>
</tr>
<tr>
<td>Kalt needle holders</td>
<td>92</td>
</tr>
<tr>
<td>Castroviejo needle holders</td>
<td>92</td>
</tr>
<tr>
<td>Ing’s needle holders/scissors</td>
<td>92</td>
</tr>
<tr>
<td>Coaxial/intraocular needle holders</td>
<td>93</td>
</tr>
<tr>
<td>Barraquer needle holders</td>
<td>94</td>
</tr>
<tr>
<td>PROBES</td>
<td></td>
</tr>
<tr>
<td>RETRACTORS</td>
<td></td>
</tr>
<tr>
<td>Lacrimal sac retractors</td>
<td>95</td>
</tr>
<tr>
<td>Lid &amp; orbital retractors</td>
<td>95</td>
</tr>
<tr>
<td>Iris (pupil) dilators</td>
<td>96</td>
</tr>
<tr>
<td>SCISSORS</td>
<td></td>
</tr>
<tr>
<td>Corneal scissors</td>
<td>97</td>
</tr>
<tr>
<td>Iris scissors</td>
<td>98</td>
</tr>
<tr>
<td>Stitch scissors</td>
<td>99</td>
</tr>
<tr>
<td>Strabismus scissors</td>
<td>99</td>
</tr>
</tbody>
</table>
Tenotomy scissors 100
Capsulotomy scissors 101
Enucleation scissors 102
IOL cutters/scissors 102

**SPATULAS**
- Iris/nucleus spatulas 103
- Cyclodialysis spatulas 103
- Femtosecond cataract spatulas 104
- Corneal spatulas 104
- DSEK, DSAEK, DMEK spatulas 105
- DLEK spatulas 108
- DALK spatulas 108
- Foreign body spuds 109
- PRK/LASIK spatulas 109
- LASEK spatulas 110
- SMILE spatulas 110
- FemtoLASIK spatulas 111
- ICL spatulas 112
- ICRS spatulas 112

**SPECULUMS**
- Speculums with aspiration 113
- Lancaster speculums 114
- Castroviejo/Kershner speculums 114
- Reversible speculums Kershner style 114
- Temporal speculums Lieberman style 115
- Nasal speculums Lieberman style 116
- Sauer speculums 116
- Wire speculums 117

**CANNULAS**
- Anesthesia cannulas 118
- Anterior chamber cannulas 118
- Irrigating/Aspirating cannulas 119
- Lens removal/nucleus removal cannulas 120
- Hydrodissection/Hydrodelineation cannulas 120
- Cortex removal cannulas 121
- Cystotome cannulas 121
- Capsule polishers 121
- Glaucoma cannulas 122
- Refractive cannulas 122
- Lacrimal cannulas 123

**MISCELLANEOUS**
- Rust ring removal 124
- Pterygium instruments 124
- Eye cautery 125
- Fixation rings 125
- Flieringa rings 125
- Injectors 125
- Lens loops 126
- Lid plates 126
- Punches & rongeurs 126
- Scleral depressors 127
- Spoons & curettes 127
- Surgical mallets & chisels 128
- Nasal speculums 128
- Trabeculotomes 128
Trephines 128
Tunnel makers 128
Periosteal elevators 128

**STERILIZING TRAYS**
- Plastic trays 130
- Aluminum trays 131
- Stainless steel trays 131

**LASEK/LASIK INSTRUMENTS**
- Spatulas 132
- Epithelium removal knives 134
- Trephines and funnels 134
- Marking pens 134

**VITREORETINAL INSTRUMENTS AND CONSUMABLES**

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Featured products</td>
<td>137</td>
</tr>
<tr>
<td>Handles for vitreoretinal instruments</td>
<td>139</td>
</tr>
<tr>
<td>Scissors</td>
<td>140</td>
</tr>
<tr>
<td>Internal Limiting Membrane (ILM) forceps</td>
<td>141</td>
</tr>
<tr>
<td>Epiretinal forceps</td>
<td>142</td>
</tr>
<tr>
<td>Pick/Subretinal forceps</td>
<td>143</td>
</tr>
<tr>
<td>Foreign body removal forceps</td>
<td>143</td>
</tr>
<tr>
<td>Membrane instruments</td>
<td>144</td>
</tr>
<tr>
<td>23 Gauge instruments</td>
<td>145</td>
</tr>
<tr>
<td>25 Gauge instruments</td>
<td>146</td>
</tr>
<tr>
<td>27 Gauge instruments</td>
<td>146</td>
</tr>
<tr>
<td>Reusable one-piece instruments with RUMEX flushing system</td>
<td>147</td>
</tr>
<tr>
<td>Disposable Stainless Steel one-piece instruments</td>
<td>148</td>
</tr>
<tr>
<td>Disposable instruments with plastic handle</td>
<td>149</td>
</tr>
<tr>
<td>Disposable diamond dusted ILM elevators</td>
<td>149</td>
</tr>
<tr>
<td>Reusable two step trocar systems</td>
<td>150</td>
</tr>
<tr>
<td>Disposable one step trocar systems</td>
<td>151</td>
</tr>
<tr>
<td>Reusable backflush handles</td>
<td>152</td>
</tr>
<tr>
<td>Disposable backflush handles</td>
<td>152</td>
</tr>
<tr>
<td>Vitreoretinal cannulas</td>
<td>153</td>
</tr>
<tr>
<td>Silicone oil</td>
<td>154</td>
</tr>
<tr>
<td>Silicone oil infusion systems</td>
<td>155</td>
</tr>
</tbody>
</table>

**FEATURED SETS**

<table>
<thead>
<tr>
<th>Surgery Type</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cataract surgery</td>
<td>158</td>
</tr>
<tr>
<td>Refractive surgery</td>
<td>163</td>
</tr>
<tr>
<td>Corneal surgery</td>
<td>167</td>
</tr>
<tr>
<td>Glaucoma surgery</td>
<td>170</td>
</tr>
<tr>
<td>Pterygium surgery</td>
<td>171</td>
</tr>
<tr>
<td>Lacrimal surgery</td>
<td>172</td>
</tr>
<tr>
<td>Lid surgery</td>
<td>173</td>
</tr>
<tr>
<td>Oculoplastic surgery</td>
<td>175</td>
</tr>
<tr>
<td>Vitreoretinal surgery</td>
<td>178</td>
</tr>
</tbody>
</table>

**APPENDIXES**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>STERILIZATION AND CARE</td>
<td></td>
</tr>
<tr>
<td>Diamond knives sterilization</td>
<td>182</td>
</tr>
<tr>
<td>Care &amp; cleaning of vitreoretinal and microincisional instruments</td>
<td>184</td>
</tr>
<tr>
<td>Instruction for use</td>
<td>187</td>
</tr>
<tr>
<td>ABBREVIATIONS</td>
<td></td>
</tr>
<tr>
<td>INDEX</td>
<td>190</td>
</tr>
</tbody>
</table>
The RUMEX brand founder is Andrey Yakovlev, in 80-s and early 90-s practicing ophthalmologist in S.N. Fedorov NMRC "MNTK "Eye Microsurgery".

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

RUMEX INTERNATIONAL CO. NOW

Over 2000 products in portfolio

REUSABLE AND SINGLE-USE  ANTERIOR AND POSTERIOR  INSTRUMENTS, IOLS AND CONSUMABLES  OPHTHALMIC AND CARDIO PRODUCTS

World quality certificates

More than 100 distributors worldwide in over 100 countries
RUMEX INSTRUMENTS' ADVANTAGES AND HIGHLIGHTS

SCISSORS, PRECHOPPERS

UP TO 10,000 CUTS

MICS AND VITREORETINAL INSTRUMENTS

GENTLE AND PRECISE
EASY CLEANING

CALIPERS, GAUGES AND MARKERS

EFFORTLESS AND ACCURATE MARKING
SHARPLY DEFINED SCALES

NEEDLE HOLDERS

SPECIAL COATING FOR SECURE GRIPPING
NO NEEDLE GRABBING
HOW TO PLACE AN ORDER

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

Pricing

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

Shipping

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

WARRANTY, RETURNS AND REPLACEMENTS

Warranty conditions

For all instruments, RUMEX provides a lifetime warranty against any manufacturing or material defects. After carrying out a due expert analysis, if the defect was not caused by the improper handling or misuse, we will provide you either a 100% compensation or a free of charge exchange of a defective instrument for a new one. In some cases when instruments are improperly used or mishandled this may lead to occurrence of non-manufacturing defects which are not covered by RUMEX lifetime warranty. To avoid such cases please read carefully and always follow our Sterilization and care instructions (see pp. 182-189 of this Catalog) or consult our customer service for proper handling instructions.

Returns and replacements

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

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

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

+1 727 535 9600 (for USA, Canada)
+371 6616 3182 (for Europe, Asia, Africa, Latin America)

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

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

Repairs

If you require a repair of an instrument we will be glad to offer you this service at a reasonable price. Please contact RUMEX customer service team for details.
<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MOST POPULAR</strong></td>
<td>Best-selling item</td>
</tr>
<tr>
<td><strong>POPULAR</strong></td>
<td>Item preferred by many customers</td>
</tr>
<tr>
<td><strong>NEW</strong></td>
<td>Recently introduced into the product range of RUMEX International Co.</td>
</tr>
<tr>
<td><strong>COMING SOON</strong></td>
<td>This item will be available in RUMEX range soon (as of Fall 2020)</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>Disposable instruments</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>Available in a single-use edition</td>
</tr>
<tr>
<td><strong>SS</strong></td>
<td>Available in Stainless Steel</td>
</tr>
<tr>
<td><strong>SET p.100</strong></td>
<td>Featured instrument in the set on page 100</td>
</tr>
<tr>
<td><strong>DON'T FORGET TO BUY</strong></td>
<td>Frequently bought together</td>
</tr>
<tr>
<td><strong>6</strong></td>
<td>Quantity in the box</td>
</tr>
</tbody>
</table>
IOLs, DISPOSABLE INSTRUMENTS, AND CONSUMABLES

IOL IMPLANTATION SOLUTIONS WITH RUMEX
IOLs
OVDs
SILICONE OIL
IRIS RETRACTORS
DISPOSABLE KNIVES
DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT
DISPOSABLE INSTRUMENTS FOR POSTERIOR SEGMENT
SUTURES
DISPOSABLE CANNULAS
IOL IMPLANTATION SOLUTIONS

IOL IMPLANTATION WITH RUMEX

STEP 1.
CHOOSE THE IOL AND DELIVERY SYSTEM

PRELOADED IOL+DELIVERY SYSTEM

<table>
<thead>
<tr>
<th>AquaFree Yellow Aspheric Preloaded</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEATURES:</td>
</tr>
<tr>
<td>• Fast injection</td>
</tr>
<tr>
<td>• Single-use option</td>
</tr>
</tbody>
</table>

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 |
| VE2200 Disposable IOL Injector |
| FEATURES: |
| • Money-wise solution |
| • Flexibility in choosing the IOL |

STEP 2.
ADD THE OVD

DISPERersive

<table>
<thead>
<tr>
<th>SUPREME. HPMC 2%</th>
</tr>
</thead>
</table>

AND/OR

COHESIVE

| SMARTVISC. Sodium Hyaluronate 1.6% |
| SMARTVISC PLUS. Sodium Hyaluronate 3% |

BEST FOR:

| COHESIVE |
| SMARTVISC. Sodium Hyaluronate 1.6% |
| SMARTVISC PLUS. Sodium Hyaluronate 3% |

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

**HYDROPHOBIC IOLS**

Foldable aspheric monofocal one-piece IOLS

<table>
<thead>
<tr>
<th></th>
<th>AquaFree Yellow</th>
<th>AquaFree Yellow Preloaded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. incision size</td>
<td>2.2 mm</td>
<td></td>
</tr>
<tr>
<td>Overall diameter</td>
<td>13.0 mm</td>
<td></td>
</tr>
<tr>
<td>Optic diameter</td>
<td>6.0 mm</td>
<td></td>
</tr>
<tr>
<td>Power range</td>
<td>0D to +9D (1D steps) +10D to +30D (0.5D steps)</td>
<td></td>
</tr>
<tr>
<td>Self-unfolding</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Water content</td>
<td>&lt;0.5%</td>
<td></td>
</tr>
<tr>
<td>Angulation</td>
<td>0°</td>
<td></td>
</tr>
<tr>
<td>Material</td>
<td>Natural Yellow Hydrophobic Acrylic</td>
<td></td>
</tr>
<tr>
<td>Optic design</td>
<td>Biconvex, square-edge</td>
<td></td>
</tr>
<tr>
<td>Refractive index</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>Abbe number</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Nominal A-constant</td>
<td>118.7</td>
<td></td>
</tr>
<tr>
<td>Haigis: a0=1.32, a1=0.40, a2=0.10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HofferQ: pACD=5.51</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SRK/T: 118.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SRK II: 119.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>n: 190</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ref.: [304],[332]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transition temp. of material</td>
<td>11⁰C</td>
<td></td>
</tr>
<tr>
<td>Filtration</td>
<td>UV and blue light (400-475 nm)</td>
<td></td>
</tr>
<tr>
<td>AC-depth</td>
<td>5.51</td>
<td></td>
</tr>
</tbody>
</table>

**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

**Easy and controlled implantation**

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

---

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

IOLs

HYDROPHILIC IOLs*
Foldable aspheric monofocal one-piece IOLs

<table>
<thead>
<tr>
<th>Hydro-4 Aspheric</th>
<th>Hydro-Sense Aspheric</th>
<th>Hydro-Sense Aspheric Yellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. incision size</td>
<td>1.8 mm – suitable for MICS</td>
<td>2.2 mm</td>
</tr>
<tr>
<td>Overall diameter</td>
<td>11.0 mm</td>
<td>12.5 mm</td>
</tr>
<tr>
<td>Optic diameter</td>
<td>6.0 mm</td>
<td>-5D to +9D (1D steps)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>+25D to +38D (1D steps)</td>
</tr>
<tr>
<td>Power range</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Self-unfolding</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Water content</td>
<td>23.5 – 27.5 %</td>
<td></td>
</tr>
<tr>
<td>Angulation</td>
<td>5°</td>
<td></td>
</tr>
<tr>
<td>Material</td>
<td>Hydrophilic Acrylic</td>
<td>Hydrophilic Acrylic</td>
</tr>
<tr>
<td>Optic design</td>
<td>Biconvex, square-edge</td>
<td></td>
</tr>
<tr>
<td>Refractive index</td>
<td>1.46</td>
<td></td>
</tr>
<tr>
<td>Abbe number</td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>Nominal A-constant</td>
<td>118.0</td>
<td></td>
</tr>
<tr>
<td>Optimized optical constants</td>
<td>Haigis: a0=0.92 a1=0.40 a2=0.10</td>
<td>HofferQ: pACD=5.08</td>
</tr>
<tr>
<td></td>
<td>Holl: sf=1.31</td>
<td>SRK/T: 118.2</td>
</tr>
<tr>
<td></td>
<td>n: 213</td>
<td></td>
</tr>
<tr>
<td>Filtration</td>
<td>UV</td>
<td>UV</td>
</tr>
<tr>
<td>AC-depth</td>
<td>4.65</td>
<td></td>
</tr>
</tbody>
</table>

FEATURES

- Material (copolymer of hydrophilic monomers) – high level of biocompatibility
- No spherical aberrations – minimized glare and unwanted images
- Angulation 5° – reduced risk of secondary cataract development
- Double square-edge – no posterior capsule opacification caused by cellular migration
- Cryo-lathing method of manufacturing – no glistening
- Minimized capsular bag stretching – maximum comfort for the surgeon and patient
- Excellent folding and unfolding ability – easy to inject
- Special surface polishing – a lens does not stick to itself or instruments

*Not available in the US
Product design and/or features that do not influence its functionality and main parameters are subject to change
Disposable IOL injection system
MEDICEL
VISCOJECT™ Eco
VE2200*

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

Disposable cartridges for IOL injector

Disposable cartridges are to be used with Reusable IOL Injector 16-2853 for acrylic single-piece IOLs
CAT-22 for 2.2 mm incision
CAT-24 for 2.4 mm incision
CAT-27 for 2.7 mm incision

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

OVDs

SUPREME®
Ophthalmic Viscosurgical Device

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

Physico-chemical properties

<table>
<thead>
<tr>
<th>Classification</th>
<th>Dispersive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition</td>
<td>2% HPMC</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>86 000 Da</td>
</tr>
<tr>
<td>Viscosity</td>
<td>3 000–4 000 cSt</td>
</tr>
<tr>
<td>pH</td>
<td>6.0–7.8</td>
</tr>
<tr>
<td>Osmolality</td>
<td>250–350 mOsmol/kg</td>
</tr>
<tr>
<td>Volume</td>
<td>2 ml</td>
</tr>
<tr>
<td>Storage</td>
<td>2–35 ºC</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>3 years</td>
</tr>
</tbody>
</table>

Advantages

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

Dispersive Solution

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

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

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

<table>
<thead>
<tr>
<th></th>
<th>SmartVisc</th>
<th>SmartVisc PLUS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Classification</strong></td>
<td>Cohesive</td>
<td></td>
</tr>
<tr>
<td><strong>Composition</strong></td>
<td>Sodium Hyaluronate 1.6 %</td>
<td>Sodium Hyaluronate 3.0 %</td>
</tr>
<tr>
<td><strong>Molecular weight</strong></td>
<td>1.2–2.0 m Da</td>
<td>1.0–1.8 m Da</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>approx. 80 000 mPas</td>
<td>approx. 400 000 mPas</td>
</tr>
<tr>
<td><strong>Osmolality</strong></td>
<td>270–400 mOsmol/kg</td>
<td></td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>2–25ºC</td>
<td></td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>6.8–7.4</td>
<td></td>
</tr>
<tr>
<td><strong>Volume</strong></td>
<td>1 ml</td>
<td></td>
</tr>
<tr>
<td><strong>Shelf Life</strong></td>
<td>3.5 years</td>
<td></td>
</tr>
</tbody>
</table>

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

**Cohesive Solution**
SmartVisc is used to:
- maintain space and pressure in the eye
- keep the empty capsular bag open for IOL insertion
- support the anterior chamber and flatten the anterior capsule
- dilate small pupils
- dissect areas of adhesion

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

**SMARTSIL 1000/5000**

Purified Silicone Oil for Vitreoretinal Surgery

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

**Physico-chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interfacial tension</td>
<td>≥ 40 mN/m at 37°C</td>
</tr>
<tr>
<td>Density</td>
<td>0.97</td>
</tr>
<tr>
<td>Viscosity</td>
<td>1000/5000 cSt</td>
</tr>
<tr>
<td>Refractive index</td>
<td>1.40</td>
</tr>
<tr>
<td>Volatility</td>
<td>&lt; 1%</td>
</tr>
<tr>
<td>Polydispersity</td>
<td>&lt; 2.80</td>
</tr>
<tr>
<td>Volume of oil</td>
<td>10 ml</td>
</tr>
<tr>
<td>Syringe</td>
<td>20 ml</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>3 years</td>
</tr>
</tbody>
</table>

**Formula:** Polydimethylsiloxane

\[
\begin{align*}
\text{CH}_3 \text{CH}_3 \text{CH}_3 & \quad \text{H}_3 \text{C} \\
\text{Si} & \quad \text{O} \\
\text{CH}_3 & \quad \text{Si} \\
\text{CH}_3 & \quad \text{O} \\
\text{Si} & \quad \text{H}_3 \text{C} \\
\text{n} & 
\end{align*}
\]

**GPC**

Arbitrary unit

---

**Elution**

- **SmartSil Silicone Oil**
- **Unpurified Silicone Oil**

**Purification**

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

**Post-purification controls**

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

**Sterilization**

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

**Packaging**

Syringes are supplied sterile under double pouch

**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® Pentasy®, 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
Oeriti® Orbit®, Faros”, OS3™, Optikon®, R-Evolution® | 12-RTUB-4

Viscous Fluid Injection Cannula

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

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

IRIS RETRACTORS*

**MOST POPULAR**

Reusable Iris Retractor
Retractors in PTFE container
Autoclavable, Sterile
10-5127 1 pack of 6 pcs

Disposable Iris Retractors
Sterile
10-5016-1 1 pack of 4 pcs
10-5067-1 1 pack of 5 pcs

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

---

* Not for sale in Europe
** * All trademarks are property of their respective owners.
Product design and/or features that do not influence its functionality and main parameters are subject to change.
DISPOSABLE KNIVES

MOST POPULAR

Side Port Knives
Initial stab incisions
Sterile, Box of 6
SP-15 1.00 mm, 15°, Straight, Double Bevel
SP-30 1.00 mm, 30°, Straight, Double Bevel
SP-45 1.00 mm, 45°, Straight, Double Bevel

Paracentesis Knives
Paracentesis incisions/side-port incisions
Sterile, Box of 6
PK-11 1.10 mm, Angled, Double Bevel

MOST POPULAR

Slit Knives
Scleral tunnel incisions
Sterile, Box of 6
SL-22 2.20 mm, Angled, Single Bevel
SL-24 2.40 mm, Angled, Single Bevel
SL-26 2.65 mm, Angled, Single Bevel
SL-27 2.75 mm, Angled, Single Bevel
SL-28 2.80 mm, Angled, Single Bevel
SL-32 3.20 mm, Angled, Single Bevel

MOST POPULAR

Crescent Knives
Lamellar dissections/scleral tunnel, flap formation
 Sterile, Box of 6
CR-20 2.00 mm, Angled, Single Bevel

*Other sizes are available upon request.
Product design and/or features that do not influence its functionality and main parameters are subject to change
Trapezoidal Knives
Tunnel incisions
Sterile, Box of 6
TR-10  1.20-1.40 mm, Angled, Single Bevel
TR-17  1.50-1.70 mm, Angled, Single Bevel

Clear Corneal Knives
Clear Corneal incisions
Sterile, Box of 6
CC-22  2.20 mm, Angled, Double Bevel
CC-24  2.40 mm, Angled, Double Bevel
CC-26  2.65 mm, Angled, Double Bevel
CC-27  2.75 mm, Angled, Double Bevel
CC-30  3.00 mm, Angled, Double Bevel

Clear Corneal Knives with Depth Indicators
Tunnel incisions
Sterile, Box of 6
CCD-22  2.20 mm, Angled, Double Bevel
CCD-24  2.40 mm, Angled, Double Bevel
CCD-26  2.65 mm, Angled, Double Bevel
CCD-27  2.75 mm, Angled, Double Bevel

Pre-Set Knives
Groove making/limbal relaxing incisions
Sterile, Box of 6
PD-60  600 μm Depth, Multifacet

MVR Knives
Posterior segment penetration/side port incisions
Sterile, Box of 6
VRS-19  19 Ga, Straight, Multifacet
VRS-20  20 Ga, Straight, Multifacet
VRS-23  23 Ga, Straight, Multifacet
VRA-19  19 Ga, Angled, Multifacet
VRA-20  20 Ga, Angled, Multifacet
VRA-23  23 Ga, Angled, Multifacet

Product design and/or features that do not influence its functionality and main parameters are subject to change.
IOLs, DISPOSABLE INSTRUMENTS AND CONSUMABLES

DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT

**Popular**

**Speculum**
Barraquer Wire Speculum
Overall length 40 mm
Sterile, Box of 6
14-022D

**Spatula**
Spatula for Femtosecond Laser Procedure
Overall length 120 mm
Sterile, Box of 6
20-204D

**Forceps**
Overall length 104 mm
Sterile, Box of 6

- **Popular**
  - Utrata Capsulorhexis Forceps
  - Cystotome Tips Straight
  - 4-0311D

- **Popular**
  - Utrata Capsulorhexis Forceps
  - Cystotome Tips Curved
  - 4-0331D

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

- **Popular**
  - Bonn-Catalano Corneal Forceps
  - 0.12 mm
  - 4-0551D

- **Popular**
  - McPherson Tying Forceps
  - Angled
  - 4-174D

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

Product design and/or features that do not influence its functionality and main parameters are subject to change.
Manipulators
Overall length 120 mm
Sterile, Box of 6

Sinskey Hook
Angled
5-032D

Rosen Phaco Chopper
Universal
7-065D

Lester Lens Manipulator
Angled
5-0331D

Nagahara Phaco Chopper
RHD
7-063D

Kuglen Iris Hook
Angled
5-030D

Drysdale Nucleus Manipulator
Universal
7-093D

Scissors
Sterile, Box of 6

Castroviejo Universal Corneal Scissors
Blunt Tips
Overall length 106 mm
11-012D

Westcott Tenotomy Scissors
Blunt Tips
Overall length 115 mm
11-040D

Vannas Capsulotomy Scissors
Sharp Tips
Overall length 84 mm
11-052D

Product design and/or features that do not influence its functionality and main parameters are subject to change.
**DISPOSABLE INSTRUMENTS FOR POSTERIOR SEGMENT**

- **MOST POPULAR**
  - Eckardt End-Gripping Forceps
    - 12-410-23D 23 Ga
    - 12-410-25D 25 Ga
  - Asymmetrical End-Grasping Forceps
    - 12-420-23D 23 Ga
    - 12-420-25D 25 Ga

- **MOST POPULAR**
  - Gripping Forceps with a "crocodile platform"
    - 12-304-23D 23 Ga
    - 12-304-25D 25 Ga
  - Gripping Forceps with a sandblasted platform
    - 12-301-23D 23 Ga
    - 12-301-25D 25 Ga

- **MOST POPULAR**
  - Pick Forceps
    - 12-325-23D 23 Ga
    - 12-325-25D 25 Ga
  - Curved Scissors
    - 12-209-23D 23 Ga
    - 12-209-25D 25 Ga

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

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

**New** Sterile

**Eckardt End-Gripping Forceps**
- 12-410-23DP 23 Ga
- 12-410-25DP 25 Ga
- 12-410-27DP 27 Ga

**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

**Vertical Scissors**
- 12-202-23DP 23 Ga
- 12-202-25DP 25 Ga

**Straight Scissors**
- 12-211-23DP 23 Ga
- 12-211-25DP 25 Ga
- 12-211-27DP 27 Ga

**DISPOSABLE DIAMOND DUSTED RETRACTABLE ILM ELEVATOR**

Used to elevate membrane edge during vitreoretinal surgery

Diamond dusted soft silicone tip provides an extreme grip

Retractable version for easy insertion through the trocar valves

**New** Sterile

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

*Not for sale in the USA and Europe
**Not for sale in Europe

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

10-0 Nylon Black Mono Sutures
For Scleracornea
Trape Spatula Needle
12 per box

22-R1404
Suture length 30 cm, Needle length 5.50 mm, 7/16 (158°) Curve

POPULAR
22-R1410
Suture length 30 cm, Needle length 7 mm, 1/2 (180°) Curve

22-R2002
Suture length 30 cm, Needle length 6.50 mm, 3/8 (135°) Curve

MOST POPULAR
22-R1404S
Suture length 15 cm, Needle length 5.50 mm, 7/16 (158°) Curve

5-0 Polyester Sutures
For Operations on Vitreous
Suture length: 45 cm
Needle length: 8 mm
Curve: 1/4 (90°)
12 per box

22-R3373
Green Braided, Dia Spatula Needle

POPULAR
22-R3377
White Braided, Trape Spatula Needle

6-0 Silk Black Braided Sutures
Curve: 3/8 (135°)
Suture length: 45 cm
12 per box

POPULAR
For Skin and Ocular Muscles
22-R3305

Reverse Cut Needle of 11 mm
For Sclera and Ocular Muscles
22-R2801
Trape Spatula Needle of 6.50 mm

8-0 PGA Absorbable Violet Braided Sutures
For Sclera and Conjunctiva
Curve: 3/8 (135°)
Suture length: 30 cm
12 per box

22-R2090
Trape Spatula Needle of 6.50 mm

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

### DISPOSABLE CANNULAS GAUGE CONVERSION CHART

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

ANESTHESIA CANNULAS
For injecting anesthetic agents into the muscle cone.

- **Atkinson**
  - Retrobulbar Needle
  - 21-R1125  25 Ga × 38 mm

- **Sub-Tenon’s**
  - Anesthesia Cannula
  - 21-R1320  20 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
  - 4 mm angled tip
  - 21-R2023  23 Ga × 22 mm
  - 21-R2025  25 Ga × 22 mm
  - 21-R2030  30 Ga × 22 mm
  - 8 mm angled tip
  - 21-R2027-8  27 Ga × 22 mm

- **Lewicky**
  - Anterior Chamber Maintainer
  - 4 mm serrated tip
  - 15 cm silicone tubing
  - ID – 0.75 mm
  - OD – 1.65 mm
  - 21-R2520  20 Ga × 22 mm

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

- **Angled 32°, 9 mm angled tip**
  - 21-R2225  25 Ga × 22 mm
  - 21-R2227  27 Ga × 22 mm

- **Angled 32°, 10 mm angled tip**
  - 21-R2323  23 Ga × 22 mm
  - 21-R2327  27 Ga × 22 mm

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

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

Pearce
Hydrodissector
Angled 32°, Spatulated tip
8 mm angled tip
21-R4025  25 Ga × 22 mm
10 mm angled tip
21-R4027  27 Ga × 22 mm

Hydrodissector
Angled 32°,
Round smooth tip, 10 mm angled tip
21-R4427  27 Ga × 22 mm

CORTEX REMOVAL CANNULAS

Used to remove cortical material during phacoemulsification.

Simcoe
Cortex Extractor
0.30 mm side-port
21-R5023  23 Ga × 22 mm

CYSTOTOME CANNULAS

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

Irrigating Cystotome
Small radius. For capsulotomy on deep-set eyes or small pupils.
21-R3330  30 Ga × 16 mm

Pearce
Irrigating Cystotome
21-R3027  27 Ga × 16 mm

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

REFRACTIVE CANNULAS

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

Lindstorm
Lasik Irrigating Cannula
3 ports
7 mm formed tip
Smooth angle curvature allows for safe flap alignment
21-R7430  25 Ga × 25 mm

LACRIMAL CANNULAS AND SETS

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

DCR and intubation sets

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

DCR Set
Silicone tubing 30 cm
Tubing dimensions 0.50 mm × 0.95 mm
Stainless Steel probes
21-R7011  20 Ga × 45 mm probe, Straight
21-R7012  20 Ga × 45 mm probe, Angled
(shown)

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)

Lacrimal Intubation Tubing
Silicone tubing 30 cm
ID – 0.30 mm
OD – 0.60 mm
21-R7002

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

*Not for sale in Europe
Product design and/or features that do not influence its functionality and main parameters are subject to change
<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Most Popular</strong></td>
<td>Best-selling item</td>
</tr>
<tr>
<td><strong>Popular</strong></td>
<td>Item preferred by many customers</td>
</tr>
<tr>
<td><strong>New</strong></td>
<td>Recently introduced into the product range of RUMEX International Co.</td>
</tr>
<tr>
<td><strong>Coming Soon</strong></td>
<td>This item will be available in RUMEX range soon (as of Fall 2020)</td>
</tr>
<tr>
<td><strong>Disposable instruments</strong></td>
<td>Available in a single-use edition</td>
</tr>
<tr>
<td><strong>Available in Stainless Steel</strong></td>
<td>Available in Stainless Steel</td>
</tr>
<tr>
<td><strong>Featured instrument in the set on page 100</strong></td>
<td>Featured instrument in the set on page 100</td>
</tr>
<tr>
<td><strong>Frequently bought together</strong></td>
<td>Frequently bought together</td>
</tr>
<tr>
<td><strong>Quantity in the box</strong></td>
<td></td>
</tr>
</tbody>
</table>
# NEW INSTRUMENTS

<table>
<thead>
<tr>
<th>Category</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Featured</td>
<td>39</td>
</tr>
<tr>
<td>Blade Holders</td>
<td>46</td>
</tr>
<tr>
<td>Calipers &amp; Gauges</td>
<td>47</td>
</tr>
<tr>
<td>Markers</td>
<td>49</td>
</tr>
<tr>
<td>Forceps</td>
<td>55</td>
</tr>
<tr>
<td>Hooks</td>
<td>76</td>
</tr>
<tr>
<td>Diamond Knives</td>
<td>79</td>
</tr>
<tr>
<td>Sapphire Knives</td>
<td>82</td>
</tr>
<tr>
<td>Phaco Instruments</td>
<td>83</td>
</tr>
<tr>
<td>Needle Holders</td>
<td>92</td>
</tr>
<tr>
<td>Probes</td>
<td>94</td>
</tr>
<tr>
<td>Retractors</td>
<td>95</td>
</tr>
<tr>
<td>Scissors</td>
<td>97</td>
</tr>
<tr>
<td>Spatulas</td>
<td>103</td>
</tr>
<tr>
<td>SpeculaM</td>
<td>113</td>
</tr>
<tr>
<td>Cannulas</td>
<td>118</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>124</td>
</tr>
<tr>
<td>Sterilizing Trays</td>
<td>129</td>
</tr>
<tr>
<td>LASEK/LASIK Instruments</td>
<td>132</td>
</tr>
</tbody>
</table>
NEW

Cross-Action Capsulorhexis Forceps
Cataract Surgery

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

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

You may choose any option of your preference:

<table>
<thead>
<tr>
<th>HANDLES</th>
<th>TIPS</th>
<th>MATERIALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat</td>
<td>Curved</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Round</td>
<td>Straight</td>
<td>Titanium</td>
</tr>
<tr>
<td>Flat</td>
<td>Flat handle</td>
<td></td>
</tr>
<tr>
<td>Round</td>
<td>Round handle</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Handles</th>
<th>Curved TIPS</th>
<th>Straight TIPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat Ti</td>
<td>4-0395</td>
<td>4-0395T</td>
</tr>
<tr>
<td>Round Ti</td>
<td>4-0394</td>
<td>planned</td>
</tr>
<tr>
<td>Flat STSS</td>
<td>4-0395S</td>
<td>planned</td>
</tr>
</tbody>
</table>

Product design and/or features that do not influence its functionality and main parameters are subject to change.
Cross-Action Capsulorhexis Forceps
with Scale

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

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**

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

Cystotome Tips

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

Overall length 120 mm

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

**4-0398 Cross-Action SMILE 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.

**4-260T ARTISAN® Implantation Forceps**

2 engravings at 2.50 and 5.00 mm for precise measurement of capsulorhexis.
**3-183T** LRI Marker

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

Marker 8.00/9.00 mm  
Overall length 143 mm  
Titanium

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

**7-149S** Escaf Prechopper

Straight Round Handle  
Overall length 118 mm  
Stainless Steel

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

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

Designed in cooperation with Dr. Luis Escaf MD, Colombia

Product design and/or features that do not influence its functionality and main parameters are subject to change.
**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 non-slip insertion while allowing atraumatic forceps removal.

**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

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

Plunger mechanism with reverse inner spring for easy and efficient one-handed technique implantation
Specially designed ring handle for precise control.
To be used with IOL cartridges CAT-22, CAT-24, CAT-27
Overall length 136 mm
Titanium

Product design and/or features that do not influence its functionality and main parameters are subject to change.
ONE-PIECE VITREORETINAL INSTRUMENTS WITH RUMEX FLUSHING SYSTEM

We are ready to announce a release of new one-piece vitreoretinal instruments with innovative RUMEX Flushing system!
See full range of new instruments with RUMEX Flushing System on page 147.

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

Please follow the cleaning instruction to increase the lifespan of the tool:
1. Insert the cannula into the flushing port as illustrated
2. Adjust a syringe to rinse with distilled water, alcohol, dry with air
3. Sterilize the instrument in the regular way

Sterilization and care manual for one-piece vitreoretinal instruments with RUMEX flushing system is on page 184.
**FEATURED INSTRUMENTS FOR FEMTOCATARACT**

**4-0582S**  
**Forceps for Femtosecond Laser Cataract Procedure**

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

**7-1166S**  
**Yeoh Femtosecond Prechopper**

- Blunt atraumatic tips are ideal for complete nucleus separation during Femtosecond Laser Cataract procedure  
- Round handle  
- Overall length 120 mm  
- Stainless Steel

**7-1167S**  
**Crozafon Prechopper**

- Provides easy releasing of entrapped gas bubbles for safer hydodissection  
- Round handle  
- Overall length 118 mm  
- Stainless Steel  
- Reduced thickness of the blades to use on shallow anterior chambers

**7-143**

**Slade/Terao Nucleus Splitter**

- Used to crack the femtochopped nucleus  
- Chopper type design tip

*Tip only. Handles are sold separately  
Product design and/ or features that do not influence its functionality and main parameters are subject to change*
**13-181 Uy Laser Lens Fragmentation Combo Manipulator**

Double-ended instrument for Femtosecond Cataract procedure.
- Titanium handle
- Overall length 131 mm
- Spatulated tip for nuclear, epinuclear and cortical fragments manipulating.

**20-204 Spatula for Femtosecond Laser Procedure**

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

**20-2041 Donnenfeld Femto Spatula**

Special flattened design of the tip helps to open femtosecond created cataract incisions.
- Titanium handle
- Overall length 122 mm
- 10 serrations for intraocular measurement (from 1 mm to 10 mm with 1 mm increment)

**7-145 Nagy Femtosecond Chopper**

Used for Femtosecond Laser-Assisted Cataract surgery.
- Titanium handle
- Overall length 122 mm
- Cracking the nucleus through the laser-created lines. Blunt edge is safe for the posterior capsule.
**14-052T  Slade-Murdoch Speculum**

Parallel retraction design.  
Open 14 mm blades. Quick installation and removal due to self-locking mechanism.  
Specially curved blades facilitate laser docking without increasing external pressure.  
Titanium  
Overall length 51 mm

**7-146  Donnenfeld Femto Splitter**

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

Product design and/or features that do not influence its functionality and main parameters are subject to change
**FEATURED INSTRUMENTS FOR CORNEA**

**4-251 Cross-Action DMEK Forceps**

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

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

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

**4-246S Florakis Endothelial Forceps**

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

Flat handle
Overall length 103 mm
Stainless Steel

Reversed tips, angled 75°

**4-247* Florakis Microinvasive Endothelial Forceps**

23 Ga

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

**4-240 Guell DMEK Forceps**

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

Flat handle
Overall length 103 mm
Stainless Steel

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

Spatulated design of the inner blade keeps the scissors in the proper plane minimizing inadvertent perforation.
Flat handle
Overall length 100 mm
Stainless Steel

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

Tan Marginal DMEK Dissector

Titanium handle
Overall length 132 mm

Curved single-tipped end is designed for cutting the peripheral ends of the donor DM without risk of radial tears occurrence.

Double-tipped end is used for convenient separation of the Descemet’s membrane (DM) from the stroma.

John Dexatome DMEK/ DSAEK Spatula

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

Roughens the inner corneal stroma at the periphery of Descemetorhexis.

John DSAEK Stromal Scrubber

Minimizes the risk of disk detachment after DSAEK
Titanium handle
Overall length 120 mm

Roughens the inner corneal stroma at the periphery of Descemetorhexis.

John DSAEK Glider

Used for donor disk gliding
Titanium handle
Overall length 114 mm

Smoothen the corneal surface and clears fluid in the donor-recipient interface.

Product design and/or features that do not influence its functionality and main parameters are subject to change.
**FEATURED INSTRUMENTS FOR SMILE**

**Stodulka ReLex Smile Double Lenticule Spatula**

- Blunt spoon and flat spatula
- Double-ended spatula
- Titanium handle
- Overall length 140 mm
- Wide disc-shaped beveled tip allows to dissect the lenticule safely and conveniently
- Spatula on this side of the instrument is used to identify and open the intrastromal pocket

**ReLEX SMILE Spatula**

- Double-ended spatula
- Titanium handle
- Overall length 139 mm
- Wide disc-shaped beveled tip allows to dissect the lenticule safely and conveniently
- Flat shortened spatula

**Forceps for Small-Incision Lenticule Extraction**

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

**Forceps for Corneal Endothelium Implantation**

- 23 Ga
- Compatible with Squeeze Handle 12-003T
- Can be used for grasping lenticule during ReLex® SMILE

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change.*
Dysfunctional meibomian glands often cause dry eyes. They may also contribute to blepharitis. Physical expression of the blocked glands has the goal of removing gland obstruction. This instrument obtains quick and delicate meibum expression by equal compressing of the eyelid from the internal and the external sides.

**Compressing Lid Forceps**

- **4-1913T**
  - Curved
  - Flat handle
  - Overall length 112 mm
  - Titanium

- **4-124S**
  - Flat handle
  - Overall length 107 mm
  - Stainless Steel

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

**Cross-Action SMILE Forceps**

- Flat handle
- Overall length 120 mm

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.

**Compressing Lid Forceps with Atraumatic Rollers**

**FEATURED INSTRUMENTS FOR MGD**

**FEATURED INSTRUMENTS FOR SMILE/MGD**

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

**Blade Holder**
Round knurled handle with end lock
Polished finish
Overall length 95 mm
Titanium
1-010T

**Bard Parker Handle**
Flat serrated handle
Overall length 125 mm
Titanium or Stainless Steel
Suitable for blades # 10, 11, 12, 15, 15C
1-020T
1-020S

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

**CALIPERS & KERATOMETERS**

**MOST POPULAR**

**Castroviejo**
Caliper
Measures from 0 to 20 mm
Scale is engraved on both sides
Polished finish
Overall length 87 mm
Titanium or Stainless Steel
2-010T 0-20.00 mm
2-010S 0-20.00 mm

**Adler**
Wound Gauge
Used to measure incision width and depth (peripheral to central dimension) of a corneal/limbal wound
Dull finish
Diameter 30 mm
Titanium
2-064T 2.00-2.50 mm

**RUMEX**
Internal Micro Incision Gauges
16 Stainless Steel blades
0.10 mm increment marks
Overall length 75 mm
Stainless steel
2-062S 1.00-2.50 mm

**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

**Maloney**
Intraoperative Keratometer
For qualitative measurement of astigmatism
Diameter 32 mm
Overall Length 23 mm
16-020T

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

Accurate axial alignment on the cornea

LRI Gauge
Limbal Relaxing Incision Gauge
Used to determine incision angles
Can be used with 3-090T Bores Axis Marker
Calibrated every 10 degrees from 0° to 180°
With atraumatic fixation teeth
Dull finish
Overall length 134 mm
Titanium
2-031T ID 13 mm/ ED 19 mm

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

ID 13.00 mm/ ED 19.00 mm
Overall length 134 mm
2-030T

With 4 grooves for better marks visualization
ID 13.00 mm/ ED 18.00 mm
Overall length 136 mm
2-033T

With 4 grooves for better marks visualization
ID 13.00 mm/ED 16.50 mm
Overall length 122 mm
2-0331T

Mendez
Grooved Fine Mendez Degree Gauge
Used to determine incision angles
Can be used with 3-091T Bores Axis Marker
Calibrated every 5 degrees from 0° to 180°
With 4 grooves for better marks visualization
ID 12.00 mm /ED 14.00 mm
Dull finish
Overall length 133 mm
Titanium
2-034T

Degree Gauge with Beveled Face
Can be used with 3-091T Bores Axis Marker
ID 12.00 mm/ED 16.00 mm
Overall length 132 mm
Titanium
2-036T

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

AXIS MARKERS

Bores
Axis Marker
Intra-Op
Overall length 123 mm
Titanium

Whipple Capsulorhexis
Centration Marker
Creates circular mark on the cornea to help gauge the size of the capsulotomy and its position
Double-ended with 5.50/6.00 mm diameter
Overall length 140 mm
3-040

CORNEAL TRANSPLANT MARKERS

Corneal Transplant Marker
7 mm ring with 8 radial blades
With center pointer
Overall length 123 mm
Titanium
3-140T

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

**Osher-Neumann**
Corneal Marker

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

**John DXEK/DSAEK**
Double-Ended

- Marker 8.00/9.00 mm
- Overall length 143 mm
- Titanium
- 3-204T

**OPTICAL ZONE MARKERS**

**Hoffer**
Optical Zone Marker

- With cross hairs
- Overall length 130 mm
- Titanium
- 3-0211T 5.00 mm
- 3-0212T 5.50 mm
- 3-0213T 6.00 mm
- 3-0215T 7.00 mm
- 3-0216T 7.50 mm

**Optical Zone Marker**

- Used to mark visual center for ICRS implantation procedure
- Double-ended
- 0.15 mm wide visual center marker
- 0.50 mm wide Sinskey hook
- Overall length 141 mm
- 3-034

**Tunnel Zone Marker**

- Marking tunnel for future ring position with initial lines for incisions
- Internal diameter 4.00 mm
- External diameter 6.00 mm
- Creates 2.00 mm lines
- 40° angled to handle
- Overall length 127 mm
- Titanium
- 3-143T

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

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

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

TORIC IOL MARKERS

Toric IOL Marker
Intra-Op
Designed for LRI/ Toric IOL implantation
Overall length 130 mm
Titanium
3-181

LRI Marker
Intra-Op
30-45-60°
Overall length 130 mm
Titanium
3-183T

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

**LRI Marker**

Intra-Op
Automatically creates marks at 40-60-80°
Overall length 130 mm
Titanium
3-1801

**LRI Axis Marker**

Pre-Op Reference Marker
Horizontal Axis 3° and 9°
Overall length 120 mm
Titanium
3-190T

**LRI / TORIC MARKERS WITH GRAVITY WEIGHT SYSTEM**

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

**LRI Slit Lamp Gravity Marker**

Pre-Op, 14 mm
Horizontal axis 3° and 9°
Overall length 138 mm
Titanium
3-191

**Lum LRI Gravity Axis Marker**

Pre-Op, 14 mm
Angled, horizontal axis 3° and 9°
Overall length 140 mm
Titanium
3-192

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.

3-193
Angled Shaft, 11/14 mm diameter, spherical weight at the back of the marker
Overall length 153 mm

3-1931
Straight Shaft, 11/14 mm diameter, spherical weight at the back of the marker
Overall length 152 mm

3-1932
Straight Shaft, 9.50/12 mm diameter, cylindrical weight at the back of the marker
Overall length 153 mm

RUMEX Toric Combo Marker

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

3-194
Vertical axis

3-1941
Horizontal axis

MARKING PEN

Marking Pen
Double-Ended

20-050

Product design and/or features that do not influence its functionality and main parameters are subject to change.
MARKERS FOR LRI/ IOL IMPLANTATION WITH GRAVITY WEIGHT SYSTEM

Velazquez
Gravity Corneal Marker for LRI/Toric IOL implantation
4 radial blades mark the horizontal and vertical meridians of the visual axis.
The internal marks help to check the IOL alignment at the end of the surgery.
The central 5 mm ring serves as a guide for Capsulorhexis.
The outer ring protects blades from damage.
Angled shaft helps to avoid touching the lower eyelid.
Overall length 164 mm
3-195 Angled shaft

Richman
Single-Step Toric Marker
Designed to mark the desired axis of toric placement. The mark is performed preoperatively, which eliminates an intra-op step.
New design makes markings and degree scale more visibly, allowing better accuracy.
The outer barrel has indentations which make it easy to rotate.
Ergonomic handle, angled to avoid the lower eyelid when marking while still being able to rest your hand on the patient’s cheek for stability.
Gravity weight at the back of the marker precisely stabilizes the scale not interfering with your grip.
There is a wide central opening for better centration when marking.
Overall Length 132 mm
3-196 Angled shaft

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

**CAPSULORHEXIS FORCEPS**

Tungsten carbide coated cystotome tips for better gripping

---

**Utrata**
Capsulorhexis Forceps
11.5 mm jaws
Flat handle

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

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

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

- **4-030S**
  - Straight jaws
  - Cystotome tips
  - Stainless Steel
  - Overall length 82 mm

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

---

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

**4-0352T**

---

Product design and/or features that do not influence its functionality and main parameters are subject to change.
**Microcoaxial Forceps**
Capsulorhexis Forceps with Limiter
Curved jaws, 11.5 mm
Ultrathin profile and limiter for capsulorhexis even through a 2 mm incision
Round handle
Overall length 106 mm
Stainless Steel
4-0312S Cystotome tips

**Inamura Type**
RUMEX Capsulorhexis Forceps
Curved jaws
Designed to fit through incisions down to 2 mm
Recommended for Coaxial phacoemulsification
Cross-action to maintain alignment of tips, prevent leakage of viscoelastic from anterior chamber
Cystotome tips
Round handle
Overall length 115/117 mm
Stainless Steel
4-0391S Jaws 10 mm, for Corneal incision
4-0392S Jaws 12 mm, for Scleral incision

**Utrata**
Capsulorhexis Forceps
11.5 mm jaws
Round handle
Titanium
Overall length 110 mm

**Microcoaxial Forceps**
Capsulorhexis Forceps with Limiter
Curved jaws, 11.5 mm
Ultrathin profile and limiter for capsulorhexis even through a 2 mm incision
Round handle
Overall length 106 mm
Stainless Steel

4-0311T, 4-03115T, 4-03314T, 4-03315T - Engravings for precise measurement inside the anterior chamber

Product design and/or features that do not influence its functionality and main parameters are subject to change.
Small-Incision Capsulorhexis Forceps
Cystotome tips
Curved micro-thin jaws
Fits through a 2 mm incision
with a limiter
Flat handle
Overall length 105 mm
Stainless Steel
4-032S

Small-Incision Capsulorhexis Forceps with Double Cross-Action and Scale
2 engravings at 2.50 and 5.00 mm for precise measurement of capsulorhexis
Cystotome tips
Micro-Thin jaws
Flat handle
Overall length 105 mm
Stainless Steel
4-033S

Cross-Action Capsulorhexis Forceps with Scale
For 1.50 mm incisions
Jaws 8.50 mm
Scale of 2.50 mm and 5.00 mm from the tip
Overall length 110 mm
4-0395
Curved Stainless Steel jaws, Flat Titanium handle
4-0394
Curved Stainless Steel jaws, Round Titanium handle
4-0395S
Curved Stainless Steel jaws, Flat Stainless Steel Handle
4-0395T
Curved Titanium jaws, Flat Titanium handle
4-0396
Straight Stainless Steel jaws, Flat Titanium handle

FORCEPS FOR LASER-ASSISTED SURGERY

Forcets for Femtosecond Laser Cataract Procedure
Special blunt-ended tips
Cross-action facilitates quick and safe incision opening
Ultrathin delicate tips are safe for the wound edges
Flat handle
Overall length 108 mm
Stainless Steel
4-0582S

Product design and/or features that do not influence its functionality and main parameters are subject to change.
**MICS CAPSULORHEXIS FORCEPS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro jaws fit through a 0.80 mm incision</td>
<td>Exquisite gripping function</td>
</tr>
<tr>
<td>Anti-glare matte finishing</td>
<td>Stiff and flexible Stainless Steel tube</td>
</tr>
</tbody>
</table>

**Kershner**

One-Pinch Capsulorhexis Forceps

- Curved 23 Gauge shaft
- Designed to perform capsulorhexis through a 0.80 mm side-port incision
- Cystotome tips
- With fixation wheel
- Compatible with Squeeze Handle 12-003T

**Capsulorhexis Forceps with Internal Ruler/with Micro Jaws**

- The internal laser marks allow to measure the rhexis
- Curved 23 Gauge shaft
- Micro jaws 0.80 mm
- Cystotome tips
- With fixation wheel
- Compatible with Squeeze Handle 12-003T
- 4-0374*: 23 Ga, 2 engravings at 3, 6 mm
- 4-0375*: 23 Ga, 6 engravings at 1, 2, 3, 4, 5, 6 mm

**Lesieur**

Capsulorhexis Forceps with Internal Ruler

- Shorter jaws facilitate gripping the capsule close to the wound
- Gently curved and short 23 Ga shaft for better maneuverability in the anterior chamber
- 7 engravings at 1, 2, 2.5, 3, 4, 5, 6 mm for perfect sizing of the rhexis
- Cystotome tips
- With fixation wheel
- Compatible with Squeeze Handle 12-003T
- 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.
Fine-Ikeda
Capsulorhexis Forceps with Micro Jaws
Curved 23 Ga shaft
Designed to perform capsulorhexis through a 0.80 mm side-port incision
Micro jaws
Reduced length of the branches for better maneuverability in the anterior chamber during capsulorhexis
Cystotome tips
With fixation wheel
Compatible with Squeeze Handle 12-003T
4-03751* 23 Ga

Ikeda
Micro Capsulorhexis Forceps
Curved 23 Ga shaft
Designed to perform capsulorhexis through a 0.80 mm side-port incision
Micro jaws
Reduced length of the branches for better maneuverability in the anterior chamber during Capsulorhexis
Cystotome tips
With fixation wheel
Compatible with Squeeze Handle 12-003T
4-03761* 23 Ga

Kawai
Capsulorhexis Forceps
Curved tapered elongated 23/25 Ga shaft
Designed to perform capsulorhexis through a 0.80 mm side-port incision
The construction of the forceps shows least adverse effect on the wound
Gripping tips are projected out of 25 Ga shaft
Cystotome tips
With fixation wheel
Compatible with Squeeze Handle 12-003T
4-03771* 23/ 25 Ga

Capsulorhexis Forceps
with View-Port
7 engravings
Reduced length, gently curved tube
Micro jaws 0.80 mm
Compatible with Squeeze Handle 12-003T
4-03791* 23 Ga

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

Cilia
Cilia forceps, smooth jaws
Flat handle

**Conjunctiva Forceps**

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

**Lid and Chalazion Forceps**

Desmarres
Chalazion Forceps
Solid lower plate, open upper plate
Locking thumb screw mechanism
Overall length 96/90/92 mm
Flat handle
Titanium
4-1906T Large Size 31×17.40 mm (shown)
4-1907T Small Size 19.80×10.40 mm
4-1912T Medium Size 24×16 mm

Lambert
Chalazion Forceps
Round solid lower plate, open upper plate
Locking thumb screw mechanism
Flat handle
Overall length 92/97 mm
Titanium
4-1908T Small 8 mm Id of the upper plate
4-1909T Medium 12 mm Id of the upper plate (shown)

Putterman
Lid Clamp
6 Pins
Serrated jaws
Sliding lock
Overall length 100 mm
Titanium
4-140T

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

Compressing Lid Forceps
Curved
Flat handle
Overall length 112 mm
Titanium
4-1913T
Dysfunctional meibomian glands often cause dry eyes. They may also contribute to blepharitis. Physical expression of the blocked glands has the goal of removing gland obstruction. This instrument obtains quick and delicate meibum expression by equal compressing of the eyelid from the internal and the external sides.

Compressing Lid Forceps with Atraumatic Rollers
Designed for mechanical meibum removal. Texturized rollers are safe for the conjunctiva. Quick and delicate meibum expression is achieved by even squeezing of the eyelid from its base to the margin.
Flat handle
Overall length 107 mm
Stainless Steel
4-124S

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

SMILE FORCEPS

Cross-action SMILE Forceps
Cross-action prevents the hyperextension of the incision. Serrated jaw facilitates gripping of the lenticule during SMILE procedure.
Flat handle
Overall length 120 mm
Stainless Steel
4-0398
Product design and/or features that do not influence its functionality and main parameters are subject to change.
SMILE FORCEPS

For small-incision lenticule extraction, Colibri forceps are designed to grasp the lenticule and remove it from the corneal pocket. The composite surface of the tips (texturized and crocodile) ensures efficient grasping of the lenticule. Angled, flat handle. Overall length 100 mm. Stainless steel.

ICRS FORCEPS

For ICRS implantation, Colibri forceps have a 0.20 mm 1x1 teeth, 0.30 mm groove. Flat handle. Overall length 85 mm. Titanium.

CORNEAL FORCEPS

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

Colibri

Corneal forceps

5 mm tying platform

Flat handle

- 4-050T: Colibri, 1x2 teeth, 0.12 mm, titanium, overall length 84 mm
- 4-0504T: Colibri-Bonn, 1x2 teeth, 0.12 mm, titanium, overall length 77 mm
- 4-0503T: Colibri-Bonn, 1x2 teeth, 0.12 mm, stainless steel, overall length 84 mm

Colibri

Corneal forceps

Bonn type 1x2 teeth, 0.12 mm

Tying platform, 5 mm

Flat handle

Overall length 115 mm

Titanium

4-053T

Product design and/or features that do not influence its functionality and main parameters are subject to change.
Tungsten carbide coated platform for an even greater grip and increased control

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

Colibri
Corneal Forceps
1×2 teeth, 0.12 mm
Tying platform, 5 mm
Round handle
Overall length 109 mm
Titanium
4-054T Regular tips
4-0540T Bonn type tips

Corneal Forceps
5 mm tying platform
Titanium

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

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

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

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

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

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

**Florakis Endothelial Forceps**
Designed to assist in the removal of endothelium from the host cornea. Reversed triangular tips, angled 75°
Flat handle
Overall length 103 mm
Stainless Steel
4-246S

**Corneal Donor Insertion Forceps**
Designed for atraumatic insertion of the donor lamella folded in a taco shape
30° angled, 18 mm tip
Round handle
Overall length 125 mm
Titanium
4-2019T

**Florakis Microinvasive Endothelial Forceps**
Designed to assist in the removal of endothelium from the host cornea
Compatible with Squeeze Handle 12-003T

4-247*  23 Ga

**Forceps for Corneal Endothelium Implantation**
For inserting the donor button with the pull through technique
Security of corneal stromal layer
Compatible with Squeeze Handle 12-003T

*Can be used for grasping lenticule during ReLEx® SMILE*

4-034*  23 Ga

**Guell DMEK Forceps**
Corneal surgery
Highly polished broad tips allow to peel the endothelial membrane safely without risk of tearing
Flat handle
Overall length 103 mm
Stainless Steel
4-240

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change
Cross-Action DMEK Forceps
Delicate tips to fit through a 1.80 mm incision
Overall length 110 mm
Reversed tips are used to peel off the Descemet’s membrane through a 1.80 mm incision
4-251 Flat Titanium handle
4-262 Round Titanium handle
4-262S Flat Stainless Steel handle

Lambright-Abdullayev Ultrathin DSAEK Grasping/Inserting Forceps
Flat handle
Overall Length 105 mm
Stainless Steel
4-254S

Cross-Action DMEK Forceps
Delicate tips to fit through a 1.80 mm incision
Overall length 110 mm
Reversed tips are used to peel off the Descemet’s membrane through a 1.80 mm incision
4-251 Flat Titanium handle
4-262 Round Titanium handle
4-262S Flat Stainless Steel handle

Lambright-Abdullayev Ultrathin DSAEK Grasping/Inserting Forceps
Flat handle
Overall Length 105 mm
Stainless Steel
4-254S

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

DRESSING FORCEPS

Dressing Forceps
with Delicate Serrations
Straight serrated tips, 6 mm
Round handle
Overall length 108 mm
Stainless Steel
4-070S

Dressing Forceps
with Delicate Serrations
Serrated tips, 12 mm
Flat handle
Overall length 100 mm
Stainless Steel or Titanium
4-071S Straight
4-072T Curved

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

**Adson**
Fixation Forceps with Teeth
Ideal for plastic & reconstructive surgery
Flat handle
Overall length 124 mm
Stainless Steel or Titanium
4-0741S 1x2 teeth, 0.50 mm
4-0741T 1x2 teeth, 0.50 mm
4-0740T Serrated tip
4-0740S Serrated tip

**Polack**
Corneal Transplant Fixation Forceps
Two point fixation
Delicate 1x2 teeth
1.20 mm between the tips
Curved shafts
Pierce type tips
Round handle
Overall length 112 mm
Titanium
4-0814T

**Nevyas-Wallace**
Fixation Forceps
Two point fixation
13 mm between the ends
1x2 teeth, 0.12 mm
Straight shafts
Round handle
Overall length 105 mm
Titanium
4-08011T

**Castroviejo**
Fixation Forceps
Straight shafts
1x2 teeth, 0.50 mm
Flat handle
Overall length 109 mm
Titanium
4-0822T

**Lester**
Fixation Forceps
Straight tips
6 mm platforms
2x3 Teeth
Flat handle
Overall length 105 mm
Stainless Steel
4-0832S

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

Steinert
Paddle Lens Folding Forceps
Angled shafts
Flat handle
Overall length 110 mm
Titanium
4-2107T

Faulkner
Lens Holding Forceps
Angled shafts
Smooth jaws
Flat handle
Overall length 105 mm
Stainless Steel
4-2108S

MacDonald
Inserting Forceps for Silicone Lens
Concave jaws, 5 mm
Cross-action
Flat handle
Overall length 107 mm
4-2113S Stainless Steel
4-2113T Titanium

Acrylic Lens
Insertion Forceps
Flat handle
Overall length 105 mm
Titanium
4-2132T

Akahoshi
Forceps for Acrylic Lens
Thin and smooth jaws,
7 mm jaws open up to 5.50 mm
Cross-action
Flat handle
Overall length 108 mm
Titanium
4-2138T

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

**Cartridge Loading Forceps**
Designed for Inserting Acrylic IOL into A, B, C, D cartridges
To be used with **16-2806, 16-2807, 16-2808 Injectors**
Smooth jaws
Flat handle
Overall length 109 mm
Titanium
4-2141T

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

4-2150* 20 Ga

**ARTISAN® Implantation Forceps**
Used for implantation of toric ARTISAN® IOL
Specially designed jaws help to fixate the lens optic during the enclavation
Flat Handle
Overall length 100 mm
Titanium
4-260T

**IOL REMOVING INSTRUMENTS**

**Rowen Rescue Kit For Foldable Lens Removal**

**Rowen Rescue Kit Forceps**
Crocodile Type Intraocular Forceps
For foldable lens removal
Curved shaft
Used to remove silicone or acrylic IOL in case of complications
Compatible with Squeeze Handle 12-003T
4-2150* 20 Ga

**Rowen Rescue Kit Scissors**
Straight Intraocular Scissors For Foldable Lens Removal
Curved shaft
Used to remove silicone or acrylic IOL in case of complications
Compatible with Squeeze Handle 12-003T
4-2151* 18 Ga

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change.
RUMEX
Foldable Lens Cutter
Designed to cut and remove all types of foldable intraocular lenses through a small incision. Upper blade of the scissors has three bevels for effective cutting and grasping of the IOL. Flat Titanium handle Overall length 113 mm
4-21731

RUMEX
Foldable Lens Removing Forceps
Designed to grasp and remove all types of foldable intraocular lenses through a small incision. Flat Titanium Handle Overall length 114 mm
4-21741

Osher
IOL Scissors
Used to cut Silicone or Acrylic IOL in case of complications. 8.50 mm blades with serrations to fixate the lens. Flat handle Overall length 91 mm Stainless Steel
4-2175S

Micro Foldable Lens Cutter
Straight scissors Blades with notches Curved shaft Compatible with Squeeze Handle 12-003T
4-2173* 19 Ga

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

**ICL™ Cartridge Loading Forceps**
- Designed to remove the ICL from the container and push it inside the cartridge
- Angled 30° long jaws
- Round handle
- Overall length 120 mm
- Titanium or Stainless Steel

4-20111T
4-20111S

*ICL™ - registered trademark of STAAR®*

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

4-21431* 20 Ga

*ICL™ - registered trademark of STAAR®*

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

4-21432* 20 Ga

*Tip only. Handles are sold separately.*

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

Iris Forceps
Flat handle
Overall length 72 mm
Stainless Steel

Straight shafts
Fine serrated tips
Delicate Serrations
4-100S

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

JEWELER FORCEPS

Jeweler #5
Forceps
Straight jaws
Pointed tips
Tying platform 6 mm
Flat handle
Overall length 110 mm
Titanium
4-111T

Jeweler #3C
Forceps
Straight jaws
Pointed tips
Tying platform 6 mm
Flat handle
Overall length 110 mm
Titanium
4-113T

Jeweler #7
Forceps
Curved jaws
Pointed tips
Tying platform 6 mm
Flat handle
Overall length 110 mm
Titanium
4-115T

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

Halsted
Hemostatic Mosquito Forceps
Serrated jaws
Ring handle
Overall length 125 mm
Stainless Steel
4-122S Straight (shown)
4-123S Curved

Serrefine
Straight
Flat handle
Stainless Steel
16-090S Large Size
Overall length 55 mm
16-092S Small Size
Overall length 35 mm

MUSCLE FORCEPS

Jameson
Muscle Forceps
11 mm from tip to angle
6 teeth
Slide lock
Overall length 100 mm
Stainless Steel
4-130S Left
4-131S Right (shown)

Product design and/or features that do not influence its functionality and main parameters are subject to change
Superior Rectus Forceps
1x2 teeth, 0.50 mm
Flat handle

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

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

**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 mm
Flat handle
Overall length 110/108/108 mm
Titanium or Stainless Steel

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

Paufique
Suturing Forceps
1x2 teeth, 0.50 mm
Tying platform, 6 mm
Flat handle
Overall length 87 mm
Titanium or Stainless Steel
4-0606T (shown)
4-0606S

Bishop-Harmon
Suturing Forceps
1x2 teeth, 0.30 mm
Tying platform, 5 mm
Flat handle
Overall length 87 mm
Stainless Steel
4-0607S

Moorfields
Suturing Forceps
For gripping the tissue, conjunctiva and Tenon’s capsule
Grooved section, 14 mm
Flat handle
Overall length 110 mm
Titanium
4-2303T

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

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

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

4-090T Tying Platforms, 4 mm, Overall length 81 mm
4-091S Tying Platforms, 8 mm, Overall length 84 mm

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

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

Straight
Tying platforms, 4 mm
Standard handle
Overall length 84 mm
4-171T Titanium (shown)
4-171S Stainless Steel

4-178S

Angled, Standard handle, Titanium
4-173T Tying Platform, 6 mm, Overall length 102 mm
4-174T Tying Platform, 8 mm, Overall length 103 mm
4-175T Tying Platform, 10 mm, Overall length 104 mm
4-176T Tying Platform, 12 mm, Overall length 106 mm

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

Catalano
Tying Forceps
Curved
V-groove tying platform, 6 mm
Round handle
Overall length 106 mm
Titanium
4-182T

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**
Extra Delicate Smooth Jaws
Tying platform, 6 mm
For 9-0 to 11-0 sutures
Round handle
Overall length 108/107/107 mm
Titanium or Stainless Steel
4-185T Straight (shown)
4-185S Straight
4-1851T Angled
4-186S Curved

**Intraocular Tying Forceps**
Designed for intraocular suturing
Compatible with Squeeze Handle
12-003T
4-1891* 23 Ga

**UTILITY FORCEPS**

**Bonaccolto**
Utility Forceps
Longitudinal atraumatic serrations, 15 mm Cross serrations on tips
Flat handle
Overall Length 100 mm
Titanium
4-2300T

**Watzke Sleeve**
Spreading Forceps
Flat handle
Overall length 110 mm
Titanium
4-2201T

**TOWEL CLAMPS AND FORCEPS**

**Schaeدل**
Towel Clamp
Flat handle
Overall length 90 mm
Stainless Steel
16-080S

**Towel Forceps**
Ring handle
Overall length 90 mm
Stainless Steel
16-081S

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 lightweight round Titanium handle

Lewicky
Lens Manipulating Hook
Angled, 10 mm from tip to angle
Vaulted shaft
0.15 mm diameter blunt tip
Overall length 120 mm
5-021

Kuglen
Iris Hook and Lens Manipulator
0.15 mm diameter shaft
"H"-shaped tip
Overall length 122/124 mm
5-030 Angled (shown)
5-0301 Straight

RUMEX
Lens Manipulator
Angled, 10 mm from tip to angle
0.18 mm diameter shaft
Button shaped 0.45 mm tip
Overall length 122 mm
5-031

Sinskey
Lens Manipulating Hook
Angled, 10 mm from tip to angle
0.15 mm diameter tip
Overall length 122 mm
5-032 Angled (shown)
5-0321 Straight

Reversed Sinskey
Scoring Hook for Endothelial Keratoplasty
Angled, 10 mm from tip to angle
0.15 mm diameter tip
Overall length 117 mm
5-0322

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

Lester
Lens Manipulator
Hourglass-shaped 0.20 mm tip
Overall length 124/122 mm
5-033 Straight
5-0331 Angled (shown)

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

Fenzl
Lens Manipulating Hook
Angled, 10 mm from tip to angle
“T” shaped tip
Overall length 121 mm
5-036

MUSCLE / TENOTOMY HOOKS

Stainless Steel hooks with an ergonomic lightweight flat serrated Titanium handle
Ensure safety of extraocular muscles

Jameson
Muscle Hook
Flat hook
Bulbous tip
5-040 Standard
Overall length 135 mm 2.00 mm tip, 9.50 mm hook
5-0401 Small
Overall length 128 mm
1.50 mm tip, 8.00 mm hook

Graefe
Muscle Hook
Flat hook
5-041 Size 1
Overall length 135 mm 1.00 mm tip, 8.00 mm hook
5-042 Size 2
Overall length 140 mm 1.50 mm tip, 10.00 mm hook

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

Scobee
Oblique Muscle Hook
Curved shaft
4.50 mm flat hook
Overall length 136 mm
5-061

Stevens
Tenotomy Hook
6 mm flat hook
Overall length 120 mm
5-062

Rychwalski Muscle Hook
with Groove
1.80 mm tip
12.20 mm hook
Overall length 140 mm
5-046

RETINAL DETACHMENT HOOK
Stainless Steel hook with an ergonomic lightweight flat serrated Titanium handle

Gass
Retinal Detachment Hook
13 mm flat hook 1.50×0.70 mm hole
Overall length 140 mm
5-060

IRIS HOOK

Iris Hook
1.00 mm
Angled
Overall length 121 mm
5-020

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

Phaco Knives

Angled Titanium handle
Overall length 130 mm
Used for tunnel incision

Clear Cornea Blades

<table>
<thead>
<tr>
<th>Code</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-20/6-071</td>
<td>2.50 mm</td>
</tr>
<tr>
<td>6-20/6-072</td>
<td>2.80 mm</td>
</tr>
<tr>
<td>6-20/6-073</td>
<td>3.00 mm</td>
</tr>
<tr>
<td>6-20/6-074</td>
<td>3.20 mm</td>
</tr>
<tr>
<td>6-20/6-075</td>
<td>2.20 mm</td>
</tr>
<tr>
<td>6-20/6-076</td>
<td>2.75 mm</td>
</tr>
<tr>
<td>6-20/6-078</td>
<td>2.70 mm</td>
</tr>
</tbody>
</table>

Facet-Free Crescent Knives

<table>
<thead>
<tr>
<th>Code</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-20/6-091</td>
<td>1.50 mm</td>
</tr>
<tr>
<td>6-20/6-092</td>
<td>2.00 mm</td>
</tr>
</tbody>
</table>

Self-Diving Trapezoid Blades

<table>
<thead>
<tr>
<th>Code</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-20/6-100</td>
<td>1.90/2.50 mm</td>
</tr>
<tr>
<td>6-20/6-101</td>
<td>2.70/3.20 mm</td>
</tr>
<tr>
<td>6-20/6-102</td>
<td>3.00/3.50 mm</td>
</tr>
<tr>
<td>6-20/6-104</td>
<td>2.30/2.80 mm</td>
</tr>
<tr>
<td>6-20/6-105</td>
<td>2.60/3.00 mm</td>
</tr>
<tr>
<td>6-20/6-107</td>
<td>2.00/2.30 mm</td>
</tr>
</tbody>
</table>

Knives for MICS

Knives for Micro Incision Coaxial Surgery (MICS)

Angled Titanium handle
Overall length 130 mm
Designed for micro incision

Trapezoid Self-Diving Blades

<table>
<thead>
<tr>
<th>Code</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-20/6-140</td>
<td>0.50/1.00 mm</td>
</tr>
<tr>
<td>6-20/6-141</td>
<td>0.80/1.20 mm</td>
</tr>
<tr>
<td>6-20/6-142</td>
<td>1.30/1.50 mm</td>
</tr>
<tr>
<td>6-20/6-143</td>
<td>1.50/1.80 mm</td>
</tr>
<tr>
<td>6-20/6-144</td>
<td>1.80/2.00 mm</td>
</tr>
<tr>
<td>6-20/6-145</td>
<td>1.80/2.20 mm</td>
</tr>
</tbody>
</table>

Zaldivar Knife for ICL Implantation

<table>
<thead>
<tr>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-20/6-0551</td>
</tr>
</tbody>
</table>

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

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

Universal Three-Step Knife for Cataract and LRI Surgery

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

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

6-322/6-0531

Pre-set LRI knives

Pre-Set LRI Knives
Short Titanium handle
Overall length 78 mm
Can be used with a slit lamp
6-500S/6-0531
Preset depth 500 microns
6-600S/6-0531
Preset depth 600 microns

Pre-Set LRI Knives
Long Titanium handle
Overall length 110 mm
6-500/6-0531
Preset depth 500 microns
6-600/6-0531
Preset depth 600 microns

Cleaning Pack

Diamond Knife Cleaning Pack
The pack consists of 3 solutions that are used to clean the blade from the residual debris prior to sterilization
21-602-1

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

Low pressure • Accurate cuts • Consistent healing

**Universal Side-Port Knives**
Straight Titanium handle
Overall length 136 mm

- **6-10/6SK-0501**
  - 45° Double Edge Blade
  - 1.00 mm
- **6-10/6SK-053**
  - Trifacet Blade
  - 1.00 mm
- **6-10/6SK-070**
  - 60° Double Edge Lancet Blade
  - 1.00 mm

**Phaco Knives**
Angled Titanium handle
Overall length 135 mm

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

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

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

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

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

NUCLEUS CRACKERS

Ernest
Nucleus Cracker
Cross-Action
Flat handle
Overall length 106 mm
Titanium
7-025T

Kansas-Alfonso
Nucleus Fragment Removing Forceps
Designed to remove fragments of the nucleus through a small incision
2 rows of delicate teeth
Flat handle
Overall length 107 mm
Titanium
7-0201T
7 - PHACO INSTRUMENTS

PRECHOPPERS

Cross-action
Ergonomic round serrated squeeze-handle
Stainless Steel

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

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

7-1162S
Combo
Straight
Max opening 2.00 mm
For sub-2.00 mm Coaxial Micro Phaco
Specially designed to split nuclei through a small 2.00 mm incision
Overall length 121 mm

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

Crozafon Prechopper
Provides easy releasing of entrapped gas bubbles for safer hydrodissection
Round handle
Overall length 118 mm
Stainless Steel
7-1167S

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

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 lightweight round serrated Titanium handle.

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

Nagahara
Phaco Chopper and Drysdale Nucleus Manipulator
Overall length 133 mm
7-0631 Titanium handle (shown)
7-0631S Stainless Steel

Rosen
Phaco Chopper Universal
Overall length 120 mm
7-065

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

Phaco Cleaver
Overall length 120 mm
7-068 RHD
7-069 LHD

Product design and/or features that do not influence its functionality and main parameters are subject to change
Koch Nucleus Spatula
Curved
Duck bill tips with notches
Round handle
Overall length 122 mm
7-070

Nucleus Claw Chopper
Overall length 120 mm
7-072

Intraocular Manipulator with Ball-Shaped tip
0.50 mm diameter ball tip
7-074 Straight
Overall length 123 mm
7-075 Angled (shown)
Overall Length 121 mm

Small Pupil Snapper Hook & Phaco Chopper
Overall length 121 mm
7-077

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

Drysdale
Nucleus Manipulator & Capsule Polisher
For nucleus dividing and separating
Overall length 121 mm
7-093 Regular tip
7-0931 Capsule polisher tip

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

**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
7-1071 LHD

**Phaconit Quick Chopper**
Designed to quickly and easily chop all grades of nuclei
Overall length 120 mm
7-125 0.75 mm tip
7-1251 1.70 mm tip

**Triple Edge Phaco Chopper with Polisher Tip**
Overall length 117 mm
7-126 Titanium handle (shown)
7-126S Stainless Steel

**Chang Micro Finger & Quick Chopper**
Modified Micro Finger tip with interior edge to chop and divide soft nucleus
Quick Chopper with sharp point to penetrate and split hard nucleus
Overall length 125 mm
7-127 RHD Titanium handle (shown)
7-127S RHD Stainless Steel
7-1271 LHD Titanium handle
7-1271S LHD Stainless Steel

**Quick Chopper with Rounded Edge**
Overall length 120 mm
7-128 RHD
7-1281 LHD

Product design and/or features that do not influence its functionality and main parameters are subject to change.
Seibel Chopper
Chopper with ball-shaped tip for efficient capsule protection
Overall length 122 mm
7-130 RHD

Seibel Chopper & Quick Chopper
Ball-shaped tip for efficient capsule protection
Quick safety chopper with rounded edge
Overall length 132 mm
7-1361 RHD

Axe Quick Chopper
Overall length 120 mm
7-135

Slade/ Terao
Nucleus Splitter
Used to crack the femtochopped nucleus
Chopper type design tip
Curved shaft
Micro jaws
Compatible with 12-003T Squeeze Handle
7-143* 23 Ga

Nagy
Femtosecond Chopper
Designed for Femtosecond Laser Assisted Cataract surgery
Cracking the nucleus through the laser-created lines
Overall length 122 mm
7-145

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

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

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

20 Ga tip with Nagahara type chopper (for 1.00 mm incisions)
The end opening port provides maximum irrigation
The dual oval side-ports 0.50×0.70 mm deliver supplemental irrigation in case when the front opening is overfilled
Round Handle
Overall length 105 mm
7-0634/I 20 Ga

Capsule Polishers

Anterior/Posterior Capsule Polisher
135° angled shaft
Overall length 120 mm
7-101

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

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 Gilles Lesieur, M.D., France
Designed in cooperation with Huck Holz, M.D., USA
IRRIGATION/ASPIRATION HANDPIECES

Irrigation/Aspiration Handpiece for Coaxial Phaco
Round Titanium handle
Standard connectors
Overall length 110 mm
7-080/IAH

Tips for Irrigation/Aspiration Handpiece
Stainless Steel

- Thornton 20° angled 7-080/20
- Binkhorst 7-080/BC
- Simco 7-080/SIM
- 45° Angled 7-080/45
- 90° Angled 7-080/90
- Straight 7-080/ST

Irrigation Handpiece for Bimanual Technique
Curved tube with smooth tip
Standard connector
Round Titanium handle
Stainless Steel tip
Overall length 104 mm

7-081
21 Ga
2×0.35 mm side-ports
7-0813
21 Ga
2×0.50 mm side-ports
7-081-23
23 Ga
2×0.35 mm side-ports

Most Popular

Product design and/or features that do not influence its functionality and main parameters are subject to change.
Aspiration Handpiece for Bimanual Technique
Curved tube with smooth or texturized tip
Round Titanium handle
Standard connector
Stainless Steel tip
Overall length 104 mm

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

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

Tungsten carbide coated tips for better gripping
Lightweight

KALT NEEDLE HOLDERS

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

CASTROVIEJO NEEDLE HOLDER

Castroviejo
Needle Holder
Flat handle
Titanium

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

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

ING’S NEEDLE HOLDERS/SCISSORS

Ing’s
Needle Holder/Scissors
Combination of needle holder and scissors in one instrument
Used to cut suture only
Straight
For 4.0-7.0 sutures
Long size jaws, 15 mm
Round handle
Overall length 105 mm
Stainless Steel
8-102S

COAXIAL / INTRAOCULAR NEEDLE HOLDERS

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

Product design and/or features that do not influence its functionality and main parameters are subject to change
Coaxial Needle Holder
For IOL Suturing
Designed for IOL scleral fixation with suture through a small incision
For 9.0-11.0 sutures
Curved shaft
To be used with straight and curved spatulated needles with length up to 18 mm (Poly-propylene 10-0 or 9-0)
Titanium handle with plunger mechanism
Overall length 128 mm
8-120 19 Ga

BARRAQUER NEEDLE HOLDER

Tungsten carbide coated tips for better gripping  Lightweight

Barraquer Needle Holder
Ergonomic round handle
Titanium

8-010T w/lock
8-011T w/o lock
For 4.0-7.0 sutures
Curved standard jaws, 12 mm
Overall length 100 mm

8-013T w/o lock
For 4.0-7.0 sutures
Straight standard jaws, 12 mm
Overall length 100 mm

8-020T w/lock
8-021T w/o lock
For 4.0-7.0 sutures
Curved fine jaws, 12 mm
Overall length 100 mm

8-024T w/lock
8-025T w/o lock
For 8.0-11.0 sutures
Curved extra fine jaws, 8 mm
Overall length 100 mm

8-030T w/lock
8-031T w/o lock
For 4.0-7.0 sutures
Curved standard jaws, 12 mm
Overall length 115 mm

8-040T w/lock
8-041T w/o lock
For 4.0-7.0 sutures
Curved fine jaws, 12 mm
Overall length 115 mm

8-045T w/lock
For 8.0-11.0 sutures
Curved extra fine jaws, 8 mm
Overall length 115 mm

8-050T w/lock
8-051T w/o lock
For 4.0-7.0 sutures
Curved extra fine jaws, 8 mm
Overall length 125 mm

8-060T w/lock
8-061T w/o lock
For 4.0-7.0 sutures
Curved fine jaws, 12 mm
Overall length 125 mm

8-070T w/lock
8-071T w/o lock
For 4.0-7.0 sutures
Curved fine jaws, 12 mm
Overall length 125 mm

8-090T w/lock
8-091T w/o lock
For 4.0-6.0 sutures
Curved strong jaws, 12 mm
Overall length 125 mm

8-045S w/lock
For 8.0-11.0 sutures
Curved extra fine jaws, 8 mm
Overall length 115 mm

8-051S w/lock
For 4.0-7.0 sutures
Curved extra fine jaws, 8 mm
Overall length 125 mm

8-071S w/lock
For 4.0-7.0 sutures
Curved strong jaws, 12 mm
Overall length 125 mm

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


**PROBES**

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

**Quickert**
Lacrimal Intubation Probe
Overall length 140 mm
Stainless Steel
9-021S size 0
9-023S size 2

**Pigtail**
Lacrimal Probe
8 mm pigtail curved probes with holes
Polished tip
Overall length 134 mm
9-031

**Wilder**
Lacrimal Dilator
Blunt polished tip
Overall length 100 mm
Titanium
9-050T size 1 (19 mm)
9-051T size 2 (23 mm)
9-052T size 3 (32 mm)

**Castroviejo**
Double-Ended Lacrimal Dilator
Polished tips
Overall length 100 mm
Titanium
9-060T size 1 & 2

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

LACRIMAL SAC RETRACTORS

Stevenson
Lacrimal Sac Retractor
Curved, 2 mm × 3 mm teeth
Blades separated 25 mm
Screw opening
Overall length 83 mm

Knapp
Lacrimal Sac Retractor
8.00 mm width, four prongs tip
Overall length 140 mm

10-013

10-014 Blunt tips

LID & ORBITAL RETRACTORS

Desmarres
Lid Retractor
Overall length 130 mm

10-020 size 0 - 11 mm
10-021 size 1 - 13 mm (shown)
10-022 size 2 - 15 mm
10-023 size 3 - 17 mm

Schepens
Orbital Retractor
Overall length 144 mm
Stainless Steel
10-030S

Double-Ended Orbital Globe Retractor-Elevator
Double-Ended 10/14 mm wide
Thin ribbon retractor with a gentle “S” curve
Overall length 180 mm
Titanium
10-034T

Product design and/or features that do not influence its functionality and main parameters are subject to change
IRIS (PUPIL) DILATORS

**Iris Retractor**
Reusable, autoclavable, sterile
6 retractors in PTFE container

10-5127

**Iris Retractor**
Disposable, Sterile

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-5016-1</td>
<td>1 pack of 4 pcs (4 retractors)</td>
</tr>
<tr>
<td>10-5067-1</td>
<td>1 pack of 5 pcs (5 retractors)</td>
</tr>
</tbody>
</table>

**Beehler**
Pupil Dilator
17 Ga
Curved shaft
Four prongs
Overall length 130 mm
Titanium

10-083

**Beehler**
Pupil Dilator with Plunger
17 Ga
Curved shaft
Four prongs
Overall length 130 mm
Titanium

10-091

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

### SCISSORS

- **Sharp cutting edges**
- **Blades of equal length close with minimal friction allowing for high precision of cuts**
- **Matte finish/anti-glare coating to reduce a glare of the microscope**
- **Excellent cutting function for easy manipulations with tissues**
- **Unique hardening system promoting 3,000+ cuts without resharpening**
- **Maraging stainless steel**

#### CORNEAL SCISSORS

**Flat handle**

**Stainless steel**

**Castroviejo**

- **Corneal Scissors**
  - Curved 11 mm blades
  - Blunt tips
  - Overall length 100 mm
  - 11-010S Left
  - 11-0101S Right

**Castroviejo**

- **Universal Corneal Scissors**
  - 7.50 mm blades
  - Blunt tips
  - Overall length 102 mm
  - 11-011S

- **Castroviejo**
  - 11 mm blades
  - Blunt tips
  - Overall length 106 mm
  - 11-012S

**Castroviejo**

- **Universal Corneal Scissors**
  - Curved 16 mm blades
  - Blunt tips
  - Overall length 110 mm
  - 11-015S

**Osher**

- **Universal Corneal Scissors**
  - Gently curved
  - Provide a precise 6.50 mm beveled incision opening with a single snip
  - 21 mm from pivot to tip
  - Blunt tips
  - Overall length 120 mm
  - 11-013S

**Corneal**

- **Universal Scissors**
  - Curved
  - Blunt tips
  - Round handle
  - Overall length 110/112 mm
  - Stainless Steel
  - 11-034S 7.50 mm blades
  - 11-035S 11 mm blades (shown)

**Katzin**

- **Corneal Transplant Scissors**
  - Strongly curved medium blades
  - Blunt tips
  - Overall length 100 mm
  - 11-020S Left (shown)
  - 11-0201S Right

**Castroviejo**

- **Corneal Section Scissors**
  - 14 mm blades
  - Lower blade is longer than upper one
  - Overall length 106 mm
  - 11-024S Right
  - 11-0241S Left

**DALK**

- **Corneal Transplant Scissors**
  - Blades with blunt ledge (Descemet’s membrane protection) are used to perform the superficial keratectasia (removal of superficial layers of corneal stroma).
  - Used to remove the 4 parts of separated stromal layers after the «Big Bubble» procedure.
  - Overall length 106 mm
  - 11-038S Right
  - 11-0381S Left

**Most Popular**

- REUSABLE ANTERIOR INSTRUMENTS
**DLEK**

Corneal Transplant Scissors

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

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

**Holland Spatulated DALK Scissors**

Vannas-style scissors with straight "micro blades" facilitating the dissection of stromal tissue
Rounded and blunt tips
Horizontally-oriented, spatulated tip
keeps the scissors in the proper plane
Delicate, shortened outer blade
For RHD/LHD
Flat handle
Overall length 100 mm
Stainless Steel

11-134 Right
11-135 Left

**IRIS SCISSORS**

**Zaldivar**

Iridectomy Scissors

Straight shaft
Compatible with Squeeze Handle 12-003T

11-03721* 23 Ga

**McPherson-Vannas**

Iris Scissors

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

11-062S

**Iris Scissors**

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

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

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

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

Westcott
Stitch Scissors
Gently curved
13 mm blades
Sharp pointed tips
Overall length 115 mm
Stainless Steel
11-046S  Flat Handle (shown)
11-047S  Round Handle

STRABISMUS SCISSORS

Knapp
Strabismus Scissors
Ring handle
Overall length 115 mm
Stainless Steel
11-100S  Straight (shown)
11-101S  Curved

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

Westcott
Tenotomy Scissors
Flat handle
Curved
Blunt tips
Stainless steel

Westcott
Tenotomy Scissors
13 mm blades
Overall length 115 mm
11-040S

Westcott
Tenotomy Scissors
16 mm blades
Overall length 120 mm
11-042S

Stevens
Tenotomy scissors
Ring handle
Overall length 115 mm
Stainless Steel
11-130S Straight, Sharp tips
11-131S Curved, Sharp tips
11-132S Curved, Blunt tips
11-133S Straight, Blunt tips (shown)

Westcott
Tenotomy Scissors
15 mm blades
Overall length 116 mm
Right
11-048S

Shepard-Westcott
Tenotomy scissors
21 mm blades
Serrated upper blade («supercut»)
Overall length 123 mm
Right
11-0481S

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

Side-Port
Capsulotomy Scissors
Curved shaft
with fixation wheel
Compatible with Squeeze Handle 12-003T
11-03741* Left (shown) 20 Ga
11-03751* Right 20 Ga

Capsulotomy Scissors
Sharp pointed tips
Flat handle
Stainless Steel

Vannas
Capsulotomy Scissors
Straight
6 mm blades
9 mm from pivot to tip
Overall length 84 mm
11-050S

Vannas
Capsulotomy Scissors
Curved
6 mm blades
9 mm from pivot to tip
Overall length 84 mm
11-052S

Vannas
Capsulotomy Scissors
Angled
6 mm blades
9 mm from pivot to tip
Overall length 81 mm
11-054S

Gills-Vannas
Capsulotomy Scissors
Straight
10 mm blades
13 mm from pivot to tip
Overall length 88 mm
11-056S

Gills-Vannas
Capsulotomy Scissors
Curved
10 mm blades
13 mm from pivot to tip
Overall length 88 mm
11-058S

Gills-Vannas
Capsulotomy Scissors
Angled
10 mm blades
13 mm from pivot to tip
Overall length 84 mm
11-0581S

Clayman-Vannas
Swan Neck Capsulotomy Scissors
Straight
5 mm blades
7 mm from pivot to tip
Sharp pointed tips
Flat smooth handle
Overall length 82 mm
Stainless Steel
11-0501S

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

Enucleation Scissors

- Curved
- Blunt tips
- Ring handle
- Stainless Steel

11-090S (shown) Medium Size
- Blades from midscrew to tip - 38 mm
- Overall length 128 mm

11-091S Large Size
- Blades from midscrew to tip - 45 mm
- Overall length 130 mm

**IOL CUTTERS/ SCISSORS**

Micro Foldable Lens Cutter

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

4-2173* 19 Ga

Osher

IOL Scissors

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

4-2175S

Rowen Rescue Kit Scissors

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

4-2151* 18 Ga

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

IRIS / NUCLEUS SPATULAS

Straight Spatula
Overall length 122 mm
13-010 0.25 mm width, 10 mm length
13-011 0.40 mm width, 14 mm length
13-014 1.00 mm width, 13 mm length

Curved Spatula
Overall length 122 mm
13-020 0.25 mm width, 12 mm length

Double Spatula
Overall Length 144 mm
13-031 0.50 & 1.00 mm width
Overall Length 134 mm
13-032 0.30 & 0.50 mm width

CYCLODIALYSIS SPATULAS

Castroviejo
Double-Ended Cyclodialysis Spatula
Overall length 136 mm
13-050 0.50 mm width, 10 & 15 mm length

Castroviejo
Cyclodialysis Spatula
Overall length 124 mm
13-051 1.00 mm width, 10 mm length
13-052 0.75 mm width, 10 mm length

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

Donnenfeld
Femto Spatula
Special flattened design of the tip helps to open femtosecond created cataract incisions.
Overall length 122 mm
20-2041

Spatula for Femtosecond Laser Procedure
This delicate instrument is used for opening cataract incisions created by femtosecond laser system. Specially designed for Alcon LenSx® Laser. Also compatible with incisions made by VICTUS™ Femtosecond Laser Platform (Bausch & Lomb).
1.40 mm length flat tip
Overall length 120 mm
20-204

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
Spatula for manipulations with the cornea (LASIK/PRK/Corneal Transplantation)
Overall length 150 mm
13-110

Product design and/or features that do not influence its functionality and main parameters are subject to change.
DSEK, DSAEK, DMEK SPATULAS

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

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

Irrigating Endothelial Stripper
For Descemet’s stripping
Overall length 104 mm
13-139/ I

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

Product design and/or features that do not influence its functionality and main parameters are subject to change
DSEK, DSAEK, DMEK SPATULAS

Cindy
Sweeper DSEK Spatula
Angled shaft
12 mm from bent to tip
0.70 mm diameter
Overall length 111 mm
Stainless Steel
13-151S

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

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

Melles Style 1
DSAEK PLK Scraper
45° angled shaft
11 mm from tip to angle
45° angled tip
Overall length 125 mm
Titanium
13-154T

Melles Style 2
DSAEK PLK Scraper
45° angled shaft
11 mm from tip to angle
90° angled tip
Overall length 125 mm
Titanium
13-155T

Product design and/or features that do not influence its functionality and main parameters are subject to change
**John DSAEK Descemet’s Stripper**
Curved shaft
14 mm from bent to tip
"T" shape 1.50 mm wide x 0.60 mm high tip
Overall length 121 mm
13-1491

**John Dexatome DMEK/DSAEK Spatula**
Spatula for removal of the Descemet’s membrane as a single disc
Strongly vaulted shaft
Overall length 119 mm
13-182

**John DSAEK Stromal Scrubber**
Strongly vaulted shaft
Overall length 120 mm
13-183

**John DSAEK Glider**
Used to diminish and eliminate donor disk wrinkles at the donor host interface
Overall length 114 mm
13-184

**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

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

Manipulator for DLEK procedure
Designed to tuck the edges of the donor lamella
Z-hook with blunt tip
0.15 mm diameter tip
Blunt Tip
Overall length 120 mm
13-160

DALK SPATULAS

Trisector for DALK Procedure
Flat 1.40×0.70 mm tip
Facilitates separation of the rest of stromal attachments from Descemet’s membrane at the periphery.
Blunt bottom surface is safe for the Descemet’s membrane.
The anterior surface has an edge that facilitates the enlarging of stromal opening with a blade.
Overall length 124 mm
13-170

Spatula for DALK Procedure
Flat 1×9 mm tip
The center groove can be used as a guide for the blade, facilitating the enlarging of stromal opening.
Blunt bottom surface is safe for Descemet’s membrane.
Overall length 122 mm
13-171

Dissector for DALK Procedure
12 mm length blunt beveled tip
Creates a track in deep stroma for the further cannula inserting
Obtains delicate preparation for “Big Bubble” procedure
Overall length 122 mm
13-172

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

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

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

LASEK
Epithelial Micro Hoe
Can be used to detach and lift the edge of the epithelial flap
Overall length 120 mm
20-131

LASEK Knife
The sharp anterior part of the knife is used to detach epithelium from the incision. The blunt part of the knife is for repositioning of the epithelium after the ablation.
Overall length 128 mm
20-0011

SMILE SPATULAS

Stodulka ReLEx Smile Double Lenticule Spatula
Blunt spoon and flat spatula
Overall length 140 mm
20-207

ReLEx Smile Double Lenticule Spatula
Blunt spoon and shortened atraumatic spatula
Overall length 139 mm
20-2071

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

FemtoLASIK Flap Spatula
Double-ended instrument with a delicate pick and a curved spatula to open and manipulate the flap
Overall length 128 mm
20-201

FemtoLASIK Flap Spatula
Delicate spatula with a jag on the tip to detach the flap edge and to open the flap
Overall length 121 mm
20-202

Zaldivar FemtoLASIK Spatula
Extra delicate spatula with bullet-shaped tip to open and manipulate the flap
Overall length 123 mm
20-203

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

Pallikaris
ICL™ Manipulator
Designed to place the lens corners under the iris
Sandblasted tip
Overall length 123 mm
13-141

Zaldivar
ICL™ Manipulator
Double-ended instrument with slightly forked tips to place the lens corners under the iris
Overall length 128 mm
13-142

ICRS SPATULAS

Elevator for ICRS Implantation
Used to create a small pocket in intended direction of the tunnel with a mild rotatory movement
Straight shaft
Tip dimensions: 0.10 mm height, 0.20 mm width, 0.70 mm length
Overall length 123 mm
10-035

Suarez Spreader
Used to enlarge the small corneal pockets in both directions in a proper depth
Straight shaft
Tip dimensions: 0.10 mm height, 0.60 mm width, 1.25 mm length
Overall length 122 mm
13-146

Bicalto Guide
Used to lift the cornea for inserting the Tunnel Maker beneath the guide
Blunt tip
Tip dimensions: 0.30 mm height, 0.10 mm width, 5 mm length
Overall length 121 mm
13-147

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

SPECULUMS WITH ASPIRATION

Thumb-screw control to adjust lid tension

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

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

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

Child Lieberman Style
Temporal
10.00 mm "V" style open blades
Overall length 64 mm
14-082A Child

Lieberman Style
for LASIK
Temporal
14.00 mm rounded open blades
Overall length 78 mm
14-080LA Adult

Lieberman Style
for LASIK
Nasal
14.00 mm rounded open blades
Overall length 75 mm
14-081LA Adult

Product design and/or features that do not influence its functionality and main parameters are subject to change
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.
16.00 mm solid blades
Overall length 67 mm
Titanium
14-045T

CASTROVIEJO / KERSHNER SPECULUMS

Castroviejo
14 mm fenestrated blades
Blades spread 30 mm
Flat branches
Overall length 85 mm
Titanium
14-061T Adult

REVERSIBLE SPECULUMS KERSHNER STYLE

Can be used both for nasal and temporal approach

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

Kershner
Solid 14 mm blades
Overall length 70 mm
Titanium
14-060T Adult, Round branches
14-0601T Adult, Flat branches

Product design and/or features that do not influence its functionality and main parameters are subject to change.
TEMPORAL SPECULUMS LIEBERMAN STYLE

Thumb-screw control to adjust lid tension

Temporal Speculum
Lieberman Style
Titanium

14-040T Adult
14 mm «V» style open blades
Round branches
Overall length 71 mm

14-0401T Adult
14 mm Kratz style open blades
Round branches
Overall length 71 mm

14-042T Child
10 mm «V» style open blades
Round branches
Overall length 71 mm

14-042S Child
10 mm «V» style open blades
Round branches
Overall length 71 mm

14-0401S Adult
14 mm rounded open blades
Round branches
Overall length 71 mm

14-0401TK Adult
14 mm Kratz style open blades
Flat branches
Overall length 76 mm

14-040TL Adult
For LASIK
14 mm rounded open blades
Round branches
Overall length 71 mm

Specially designed to accommodate microkeratome suction ring

14-0401TL Adult
for LASIK
14 mm rounded open blades
Flat branches
Overall length 76 mm

14-0401S Adult

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

Nasal Speculum
Lieberman Style
Titanium

**14-041T Adult**
14 mm ¥ Style open blades
Round branches
Overall length 76 mm

**14-041TK Adult**
14 mm Kratz style open blades
Round branches
Overall length 76 mm

**14-0411T Adult**
14 mm ¥ Style open blades
Flat branches
Overall length 76 mm

**14-0411TL Adult**
for LASIK
14 mm rounded open blades
Flat branches
Overall length 70 mm

**14-043T Child**
10 mm ¥ Style open blades
Round branches
Overall length 76 mm

**14-0431T Child**
10 mm ¥ Style open blades
Flat branches
Overall length 76 mm

Specially designed to accommodate microkeratome suction ring

SAUER SPECULUMS

Sauer
Solid blades
Blade spread 20 mm
Overall length 35 mm

**14-030 Child** (8 mm blades)
**14-031 Newborn** (5 mm blades)
**14-032 Premature** (4 mm blades)

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

Angled for temporal approach

Stainless Steel

Barraquer
Closed wire rounded blades
14-022S Adult
14 mm blades,
Overall length 45 mm
14-023S Child
11 mm blades,
Overall length 38 mm
14-024S Infant
10 mm blades,
Overall length 38 mm
14-0244S Newborn
4 mm blades,
Overall length 25 mm

Barraquer
Solid blades
14-0221S Adult
14 mm blades,
Overall length 40 mm
14-0231 Child
11 mm blades,
Overall length 35 mm
14-0241S Newborn
5 mm blades,
Overall length 28 mm
14-0222S Premature
4 mm blades,
Overall length 28 mm

Barraquer
Open blades
14-025S Adult
14 mm blades,
Overall length 45 mm
14-026S Child
11 mm blades,
Overall length 40 mm

Barraquer
Open rounded blades
14-0222S Adult
14 mm blades,
Overall length 40 mm
14-0232S Child
11 mm blades,
Overall length 35 mm
14-0242S Newborn
5 mm blades,
Overall length 28 mm
14-0224S Premature
4 mm blades,
Overall length 28 mm

Barraquer
Open blades
14-0252S Adult
14 mm blades,
Overall length 40 mm
14-0262S Child
11 mm blades,
Overall length 35 mm

Slade-Murdoch Speculum
Adjustable Wire Speculum
Parallel retraction design. Open 14 mm blades. Quick installation and removal due to self-locking mechanism.
Blades specially curved to facilitate laser docking without increasing external pressure.
Overall length 51 mm
Titanium
14-052T

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

**ANESTHESIA CANNULAS**

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

Sub-Tenon’s Anesthesia Cannulas

Para Needle
Curved
0.30 mm side port

15-009         19 Ga × 25 mm

**Atkinson**

Retrobulbar Needle

15-001-23       23 Ga × 38 mm

Sub-Tenon’s Anesthesia Cannulas

Curved
Flattened tip
Front opening

15-013-19       19 Ga × 25 mm

Sub-Tenon’s Anesthesia Cannulas

Curved, 3 ports

15-011C-19      19 Ga × 25 mm

**ANTERIOR CHAMBER CANNULAS**

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

Rycroft

Anterior Chamber Cannula

Angled 45°

4 mm angled tip

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

6 mm angled tip

15-052-27       27 Ga × 22 mm

8 mm angled tip

15-053-27       27 Ga × 22 mm

**Bishop Harmon**

Anterior Chamber Cannula

8 mm angled tip

Angled 40°

Spatulated

15-055-19       19 Ga × 25 mm

Product design and/or features that do not influence its functionality and main parameters are subject to change
Bracken
Anterior Chamber Cannula
Curved 90°
Flattened beveled tip
15-057  19 Ga × 23 mm

McIntyre
Anterior Chamber Cannula
Angled
Smooth blunt tip
Front opening
15-061-26  26 Ga × 20 mm

Lewicky
Anterior Chamber Maintainer
Silicone tubing attached
Unique annular rings for self-retaining
15-065  20 Ga × 3.5 mm tip

Jaymce
Anterior Chamber Maintainer
Bulbus tip allows easy insertion
and minimum tissue disturbance
15-1067  20 Ga × 4 mm from tip

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

Girard
Anterior Chamber Maintainer
with Atkinson point
20 cm silicone tubing
15-067  23 Ga × 5 mm tip

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

Simcoe
I/A Cannula with Silicone Tubing
Regular
Irrigation through 0.30/0.40 mm port
Aspiration through tubing
15-129-0.3  23/23 Ga
15-129-0.4  23/22 Ga

Reverse
Aspiration through 0.30/0.40 mm port
Irrigation through tubing
15-133-0.3  23/23Ga
15-133-0.4  23/22Ga

Product design and/or features that do not influence its functionality and main parameters are subject to change
Gills
I/A Cannula with Silicone Tubing
Side by side front opening
15-183  23 Ga × 35 mm

J Shaped
I/A Cannula with Silicone Tubing
Regular
“J” shape facilitates removal of cortex at 12 o’clock position
0.3 mm top-port
15-1149R  23/23 Ga, right

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

Knolle-Pearse
Irrigating Vectis
3 irrigating ports at 12, 10 and 2 o’clock
Loop 5 mm wide, 9 mm long
15-183  23 Ga × 35 mm

Sheets
Irrigating Vectis
3 irrigating ports
Serrations on top
Loop 6.50 mm wide, 19 mm long
15-203  21 Ga × 38 mm

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

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

Chang
Nucleus Hydrodissector
Angled 90°
Flat tip for easy insertion under the capsular rim
Provides the broad stream of fluid
Beveled tip used to rotate the nucleus
15-0681  27 Ga × 16 mm

Pearce
J-Shaped Micro Hydrodissector
1.75 mm wide, 2.25 mm long hook
“J” shape facilitates hydrodissection at the 12 o’clock position
15-073-27  27 Ga × 22 mm

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

Used to remove cortical material during phacoemulsification

- **McIntyre-Binkhorst**  
  Blunt tip, front opening  
  15-079L  26 Ga × 22 mm, left

- **Simcoe**  
  Cortex Extractor Cannula  
  Smooth closed tip  
  15-091-13/23  23 Ga × 13 mm

**Cystotome Cannulas**

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

- **Kelman**  
  Sharp Irrigating Cystotome  
  Curved sharp cutting edge  
  15-025  25 Ga × 32 mm

**Capsule Polishers**

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

- **Microincisional Capsule Polisher**  
  Disc-shaped sandblasted tip  
  Curved tube for better visualization  
  For a sub-2 mm incision  
  15-170  23 Ga × 25 mm

- **Kratz**  
  Capsule Polisher  
  0.30 mm top-port  
  Angled, sandblasted 3 mm from end  
  15-169-23  23 Ga × 22 mm

- **Jensen**  
  Capsule Polisher  
  Gently curved, olive-shaped sandblasted tip  
  15-159-25  25 Ga × 28 mm  
  15-159-27  27 Ga × 28 mm

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

Viscocanalostomy Cannula for Glaucoma surgery
5 mm beveled tip, slightly angled micro-gauge cannula
For viscoelastic injection during Glaucoma surgery
15-1051-30  30 Ga × 20 mm

REFRACTIVE CANNULAS

Vidaurri
LASIK Irrigation Cannula
8 irrigating ports
Universal cannula simultaneously irrigates both sides of the flap, washes the stromal bed and enables the flap positioning
15-371-25  25/16 Ga × 22 mm with 12 mm shaft

Buratto
LASIK Irrigation Cannula
45° angled triport
15-379-25  25 Ga × 32 mm

Slade
LASIK Cannula
Flattened spatulated tip
15-376  26 Ga × 25 mm

Banaji
LASIK Irrigation Cannula
4 ports, curved
0.25 mm on periphery
15-373-25  25 Ga × 22 mm

Cannula for DALK procedure
Bottom port 0.20 mm
Designed for air injection in order to achieve an ideal “Big Bubble”
15-450-27  27 Ga × 38 mm

Gimbel
LASIK Fountain Cannula
Right, single-port
15-378R  25 Ga × 25 mm

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

Malleable
Lacrimal Cannulas
Reinforced
20 Ga shaft, having reinforced 12 mm 23 Ga cannula
15-027  23 Ga × 32 mm, straight
15-029  23 Ga × 32 mm, curved
(shown)

Bailey
Lacrimal Cannula
Exposed tip, straight
For infants, short 20 Ga straight shaft, having 7 mm exposed tip of 23 Ga
15-031  23 Ga × 15 mm

Shahinian
Lacrimal Cannula
Smooth bullet-shaped tip
15-032  25 Ga × 35 mm

Fasanella
Lacrimal Cannula
Gently curved
15-033  23 Ga × 42 mm

Anel
Lacrimal Cannulas
Special long mount blunt tip
Straight
15-035-23S  23 Ga × 20 mm
15-035-25S  25 Ga × 20 mm

Anel
Lacrimal Cannulas
Special long mount blunt tip
Curved
15-035-23C  23 Ga × 20 mm
15-035-25C  25 Ga × 20 mm

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

Silicone Bulb with Adapter
15-301/303

Titanium Microsurgical Handle
Male-Male (shown) 15-307T
Male-Female 15-308T

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

RUST RING REMOVAL

Alger Brush
Rust Ring Remover
A complete set of a power handle and a tungsten burr
Battery operated
Overall length 105 mm
16-140 with 1.00 mm tungsten burr
16-141 with 0.50 mm tungsten burr

Tungsten Burrs
Replacement Burrs for Alger Brush
Box of 5
Overall length 22 mm
Non-sterile
16-142B 1.00 mm burrs
16-143B 0.50 mm burrs

PTERYGIUM INSTRUMENTS

Alger Brush
Pterygium Instrument
A complete set of a power handle and a diamond dusted burr
For smoothing the surface of the cornea after the surgical removal of the tissue
Battery operated
16-051-2.5 with 2.50 mm round fine grit diamond burr
16-050-3.5 with 3.50 mm round medium grit diamond burr
16-050-5.0 with 5.00 mm disk-shaped medium grit diamond burr

Diamond Burr Brush
Replacement burrs for Alger Brush
Burr only
Diamond dusted tip
16-051-2.5B 2.50 mm round fine grit diamond burr
16-051-3.5B 3.50 mm round medium grit diamond burr
16-052-5.0B 5.00 mm disk-shaped medium grit diamond burr

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

Electric Eye Cautery
Battery operated
Low temperature
16-041 Adjustable fine tip
16-042 Elongated fine tip

FIXATION RINGS

Fine-Thornton
Phaco Fixation Ring
3/4 open ring with swivel
Titanium
16-036T 13 mm diameter ring with teeth
Overall length 96 mm
16-034IT 14 mm diameter ring with teeth
(shown) Overall length 98 mm

FLIERINGA RINGS

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

INJECTORS

Injector
16-253
For capsular ring; with irrigation
Designed for one-hand implantation of the capsular tension rings with diameters of 10, 11 and 12 mm.
Allows to implant the capsular tension ring clockwise and counterclockwise.
Back cover of the instrument can be easily opened to flush and clean the inner mechanism of the injector.
Overall length 162 mm

IOL Injector for cartridges
16-2806* For A, B, C cartridges
16-2808* For D cartridge
Plunger mechanism with reverse inner spring for easy and efficient one-handed technique implantation. Specially designed handle enables firm grip and precise control.
With a ring
For A, B, C, D cartridges
Can be supplied with 4-2141T IOL Loading Forceps
Overall length 236 mm
Titanium

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

IOL Injector for D cartridge
Plunger mechanism with reverse inner spring for easy and efficient one-handed technique implantation. Specially designed handle enables firm grip and precise control.
For D cartridge
Can be supplied with 4-2141T IOL Loading Forceps
Overall length 212 mm
Titanium

IOL Injector NaviJect™
Plunger mechanism with reverse inner spring for easy and efficient one-handed technique implantation
Specially designed ring handle for precise control.
To be used with IOL cartridges CAT-22, CAT-24, CAT-27
Overall length 136 mm
Titanium
16-2853

LENS LOOPS

Wilder
Lens Loop
4 mm width
Overall length 134 mm
16-072

LID PLATES

Lid Plate
20 mm and 24 mm wide
Non-reflective surface
Overall length 110 mm
Stainless Steel or Titanium
16-50S (shown
16-50T

PUNCHES & RONGEURS

Belz
Lacrimal Sac Rongeur
Polished finish
Overall length 185 mm
Stainless Steel
16-138

Kelly
Descemet’s Membrane Punch
Creates precise 0.75 mm round hole without tissue tags
Serrated squeeze action
Titanium handle
Stainless Steel tip
Overall length 131 mm
16-011

Product design and/or features that do not influence its functionality and main parameters are subject to change
RUMEX
Corneoscleral Punch
Set of Stainless Steel tips:
0.50 mm, 0.75 mm, 1.00 mm, 1.50 mm
Titanium handle
Overall length 110 mm
16-010

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

Kerrison
Rongeur
3 mm wide
9 mm opening
Polished finish
Overall length 140 mm
Stainless Steel
16-136 size 0

SCLERAL DEPRESSORS
Flynn
Scleral Depressor
Loop style tip for depressing pediatric sclera
Overall length 100 mm
16-115

Schocket
Double-Ended Scleral Depressor
With pocket clip
Overall length 143 mm
16-111 Titanium Handle / Stainless Steel tips
16-111S Stainless Steel

SPOONS & CURETTES
Bunge
Evisceration Spoon
16-061 small size
Overall length 137 mm

16-062 large size
Overall length 141 mm

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

*Tip only. Handles are sold separately.
Product design and/ or features that do not influence its functionality and main parameters are subject to change.
**Wells**
Enucleation Spoon
Overall length 145 mm 16-060

**SURGICAL MALLETS & CHISELS**
Surgical Chisel
3 mm
Stainless Steel
16-137

Surgical Mallet
Polished finish
Stainless Steel
16-135

**NASAL SPECULUMS**
Nazal Speculum
Polished finish
Overall Length 150 mm
Stainless Steel
16-127  Adult size

**TRABECULOTOMES**
Harms
Trabeculotome
9 mm long pointed tips with 3 mm spread
Overall length 51 mm
Stainless Steel
16-012S Left (shown)
16-013S Right

**TREPHINES**
Corneal Trephine Blades
Polished finish
Stainless Steel
16-0300 6.00 mm
16-0301 6.50 mm
16-0303 7.00 mm
16-0305 7.50 mm
16-0306 7.75 mm
16-0307 8.00 mm
16-0308 8.25 mm
16-0309 8.50 mm
16-0310 9.00 mm
16-0311 9.50 mm

**TUNNEL MAKERS**
Tunnel maker
Internal diameter 4.40 mm
External diameter 5.60 mm
Stainless Steel
16-173S Left
16-174S Right

**PERIOSTEAL ELEVATORS**
Tenzel Periosteal Elevator
Shaft size to tip is 30 mm
Paddle size is 4 mm (width)
Paddle thickness is 1.40 mm
Overall length 130 mm
The smooth end is used for blunt dissection of the periosteum over the inferior and lateral orbital rim.
The sharp edge is used to reflect periosteum from the incision in a downward direction over the cheekbone.
16-139

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

### Size Chart

<table>
<thead>
<tr>
<th>Item</th>
<th>Inserts</th>
<th>Dimensions</th>
<th>Size</th>
<th>Configuration</th>
<th>Accommodates, number of instruments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plastic Trays</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18-300</td>
<td>2 silicone plug-in inserts</td>
<td>190×101×38</td>
<td>7.5×4×1.5”</td>
<td>Medium</td>
<td>Single level</td>
</tr>
<tr>
<td>18-301-1</td>
<td>2 silicone plug-in inserts</td>
<td>152×63.5×19</td>
<td>6×2.5×0.75”</td>
<td>Small</td>
<td>Single level</td>
</tr>
<tr>
<td>18-305-1</td>
<td>2 silicone plug-in inserts</td>
<td>254×152.4×38</td>
<td>10×6×1.5”</td>
<td>Large</td>
<td>Single level</td>
</tr>
<tr>
<td>18-303-1</td>
<td>2 silicone plug-in inserts</td>
<td>190×101×19</td>
<td>7.5×4×0.75”</td>
<td>Medium</td>
<td>Single level</td>
</tr>
<tr>
<td>18-300-1</td>
<td>silicone finger tip mat</td>
<td>190×101×38</td>
<td>7.5×4×1.5”</td>
<td>Medium</td>
<td>Single level</td>
</tr>
<tr>
<td>18-301</td>
<td>silicone finger tip mat</td>
<td>152×63.5×19</td>
<td>6×2.5×0.75”</td>
<td>Small</td>
<td>Single level</td>
</tr>
<tr>
<td>18-302</td>
<td>silicone finger tip mat</td>
<td>165×101×19</td>
<td>6.5×4×0.75”</td>
<td>Small</td>
<td>Single level</td>
</tr>
<tr>
<td>18-303</td>
<td>silicone finger tip mat</td>
<td>190×101×19</td>
<td>7.5×4×0.75”</td>
<td>Medium</td>
<td>Single level</td>
</tr>
<tr>
<td>18-304</td>
<td>silicone finger tip mat</td>
<td>254×152×19</td>
<td>10×6×0.75”</td>
<td>Large</td>
<td>Single level</td>
</tr>
<tr>
<td>18-307</td>
<td>silicone finger tip mat</td>
<td>254×152.4×38</td>
<td>10×6×1.5”</td>
<td>Extra Large</td>
<td>Double level</td>
</tr>
<tr>
<td>18-308</td>
<td>silicone finger tip mat</td>
<td>190.5×63.5×19</td>
<td>7.5×2.5×0.75”</td>
<td>Medium</td>
<td>Single level</td>
</tr>
<tr>
<td><strong>Stainless Steel Trays</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18-318</td>
<td>silicone finger tip mat</td>
<td>240×240×60</td>
<td>9.5×9.5×2.5”</td>
<td>Extra Large</td>
<td>Double level</td>
</tr>
<tr>
<td><strong>Aluminum Trays</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18-319</td>
<td>silicone finger tip mat</td>
<td>155×65×20</td>
<td>6.0×2.5×0.80”</td>
<td>Small</td>
<td>Single level</td>
</tr>
<tr>
<td>18-320</td>
<td>silicone finger tip mat</td>
<td>155×65×40</td>
<td>6.0×2.5×1.5”</td>
<td>Small</td>
<td>Single level</td>
</tr>
<tr>
<td>18-321</td>
<td>silicone finger tip mat</td>
<td>200×65×20</td>
<td>7.75×2.5×0.80”</td>
<td>Medium</td>
<td>Single level</td>
</tr>
<tr>
<td>18-322</td>
<td>silicone finger tip mat</td>
<td>200×110×20</td>
<td>7.75×4.25×0.80”</td>
<td>Medium</td>
<td>Single level</td>
</tr>
<tr>
<td>18-323</td>
<td>silicone finger tip mat</td>
<td>200×110×40</td>
<td>7.75×4.25×1.5”</td>
<td>Medium</td>
<td>Single level</td>
</tr>
<tr>
<td>18-324</td>
<td>silicone finger tip mat</td>
<td>260×160×20</td>
<td>10.25×6.25×0.80”</td>
<td>Large</td>
<td>Single level</td>
</tr>
<tr>
<td>18-325</td>
<td>silicone finger tip mat</td>
<td>260×160×40</td>
<td>10.25×6.25×1.5”</td>
<td>Large</td>
<td>Single level</td>
</tr>
<tr>
<td>18-326</td>
<td>silicone finger tip mat</td>
<td>260×160×40</td>
<td>10.25×6.25×1.5”</td>
<td>Extra Large</td>
<td>Double level</td>
</tr>
<tr>
<td>18-327</td>
<td>silicone finger tip mat</td>
<td>260×160×80</td>
<td>10.25×6.25×3.25”</td>
<td>Extra Large</td>
<td>Double level</td>
</tr>
<tr>
<td>18-328</td>
<td>silicone finger tip mat</td>
<td>260×160×80</td>
<td>10.25×6.25×3.25”</td>
<td>Large</td>
<td>Single level</td>
</tr>
<tr>
<td>18-331</td>
<td>silicone finger tip mat</td>
<td>215×165×20</td>
<td>8.50×6.50×0.80”</td>
<td>Large</td>
<td>Single level</td>
</tr>
<tr>
<td>18-332</td>
<td>silicone finger tip mat</td>
<td>310×235×20</td>
<td>12.25×9.25×0.80”</td>
<td>Extra Large</td>
<td>Single level</td>
</tr>
<tr>
<td>18-333</td>
<td>silicone finger tip mat</td>
<td>375×220×45</td>
<td>14.75×8.75×1.75”</td>
<td>Extra Large</td>
<td>Double Level</td>
</tr>
<tr>
<td>18-334</td>
<td>silicone finger tip mat</td>
<td>390×265×20</td>
<td>15.5×10.5×0.80”</td>
<td>Extra Large</td>
<td>Single level</td>
</tr>
<tr>
<td>18-335</td>
<td>silicone finger tip mat</td>
<td>390×265×40</td>
<td>15.5×10.5×1.5”</td>
<td>Extra Large</td>
<td>Single level</td>
</tr>
<tr>
<td>18-336</td>
<td>silicone finger tip mat</td>
<td>390×265×40</td>
<td>15.5×10.5×1.5”</td>
<td>Extra Large</td>
<td>Double level</td>
</tr>
</tbody>
</table>

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.

190×101×38 mm
7.5×4×1.5’
18-300

254×152.4×38 mm
10×6×1.5’
18-305-1

MOST
POPULAR
152×63.5×19 mm
6×2.5×1.5’
18-301

190.5×63.5×19 mm
7.5×2.5×0.75’
18-308

POPULAR
68.60×38×25.4 mm
3×1.5×1’
18-307

MOST
POPULAR
Double level
254×152.40×38 mm
10×6×1.5’
18-305

POPULAR
190×101×19 mm
7.5×4×0.75’
18-303-1

152×63.5×19 mm
6×2.5×0.75’
18-301-1

190×101×38 mm
7.5×4×1.5’
18-300-1

165×101×19 mm
6.5×4×0.75’
18-302

190×101×19 mm
7.5×4×0.75’
18-303 POPULAR

254×152×19 mm
10×6×0.75’
18-304

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

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

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Code</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>155×65×20 mm</td>
<td>18-319</td>
<td>6×2.5×0.8'</td>
</tr>
<tr>
<td>155×65×40 mm</td>
<td>18-320</td>
<td>6×2.5×1.5'</td>
</tr>
<tr>
<td>200×65×20 mm</td>
<td>18-321</td>
<td>2.5×7.75×0.8'</td>
</tr>
<tr>
<td>200×110×20 mm</td>
<td>18-322</td>
<td>7.75×4.25×0.8'</td>
</tr>
<tr>
<td>200×110×40 mm</td>
<td>18-323</td>
<td>7.75×4.25×1.5'</td>
</tr>
<tr>
<td>260×160×20 mm</td>
<td>18-324</td>
<td>10.25×6.25×0.8'</td>
</tr>
<tr>
<td>260×160×40 mm</td>
<td>18-325</td>
<td>10.25×6.25×1.5'</td>
</tr>
<tr>
<td>260×160×80 mm</td>
<td>18-328</td>
<td>10.25×6.25×3.25'</td>
</tr>
</tbody>
</table>

3 Sections:

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Code</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>215×165×20 mm</td>
<td>18-331</td>
<td>8.5×6.5×0.8'</td>
</tr>
<tr>
<td>310×235×20 mm</td>
<td>18-332</td>
<td>12.25×9.25×0.8'</td>
</tr>
</tbody>
</table>

Double Level + Open Section:

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Code</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>375×220×45 mm</td>
<td>18-333</td>
<td>14.75×8.75×1.75'</td>
</tr>
</tbody>
</table>

Double Level:

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Code</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>390×265×20 mm</td>
<td>18-334</td>
<td>15.5×10.5×0.8'</td>
</tr>
<tr>
<td>390×265×40 mm</td>
<td>18-335</td>
<td>15.5×10.5×1.5'</td>
</tr>
</tbody>
</table>

STAINLESS STEEL TRAYS

with Silicone Mat, Double Level

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Code</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>240×240×60 mm</td>
<td>18-318</td>
<td>9.5×9.5×2.5'</td>
</tr>
</tbody>
</table>

Double Level

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Code</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>390×265×40 mm</td>
<td>18-336</td>
<td>15.5×10.5×1.5'</td>
</tr>
</tbody>
</table>

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

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

LASEK Epithelial Micro Hoe
Can be used to detach 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 the epithelium repositioning after ablation.
Overall length 128 mm
20-0011

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

FemtoLASIK Flap Spatula
Double-ended instrument with a delicate pick and a curved spatula to open and manipulate the flap
Overall length 128 mm
20-201

FemtoLASIK Flap Spatula
Delicate spatula with a jag on the tip to detach the flap edge and to open the flap
Overall length 130 mm
20-202

Zaldivar FemtoLASIK Spatula
Extra delicate spatula with bullet-shaped tip to open and manipulate the flap
Overall length 123 mm
20-203

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

Hockey Knife
To remove epithelium during PRK procedure and LASIK retreatment
Overall length 128 mm
20-001

Lindstrom
LASIK / PRK Spatula and Epithelium Removal Board
Semi-sharp end is designed for epithelium removal.
Fine spatula on the other end is used for flap manipulation during LASIK surgery.
Overall length 148 mm
20-002

TREPHINES AND FUNNELS

LASEK Trephine
for epithelial flap creation
Depth of the incision - 70 μm
Overall length 128 mm
20-1011 8.00 mm
20-1021 9.00 mm

LASEK Funnel
For the application of the alcohol solution
For 8 mm and 9 mm optical zones
Overall length 129 mm
Titanium
20-1031T 8.50 mm
20-1041T 9.50 mm

LASEK Trephine & Funnel
For epithelial flap creation
Depth of the incision - 70 μm
For the application of the alcohol solution
For 8 mm and 9 mm optical zones
Overall length 142 mm
20-121 8.00 & 8.50 mm
20-122 9.00 & 9.50 mm

MARKING PENS

Marking Pen
Double-ended
20-050

Product design and/or features that do not influence its functionality and main parameters are subject to change
<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Most Popular</strong></td>
<td>Best-selling item</td>
</tr>
<tr>
<td><strong>Popular</strong></td>
<td>Item preferred by many customers</td>
</tr>
<tr>
<td><strong>New</strong></td>
<td>Recently introduced into the product range of Rumex International Co.</td>
</tr>
<tr>
<td><strong>Coming Soon</strong></td>
<td>This item will be available in Rumex range soon (as of Fall 2020)</td>
</tr>
<tr>
<td><strong>Disposable instruments</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Available in a single-use edition</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Available in Stainless Steel</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Featured instrument in the set on page 100</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Don't Forget To Buy</strong></td>
<td>Frequently bought together</td>
</tr>
<tr>
<td><strong>Quantity in the box</strong></td>
<td></td>
</tr>
</tbody>
</table>
Universal End-Grasping Forceps with Asymmetrical Branches

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

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.

Gripping Forceps with a ‘Crocodile’ Platform

Designed for the removal of epiretinal membranes. Blunt, atraumatic serration intensifies grasping capacity and prevents tissue shredding.
VITREORETINAL INSTRUMENT TIPS, MANUAL CLEANING, GAUGE CONVERSION CHART, COLOR CODE SYSTEM

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

Gauge Conversion Chart

<table>
<thead>
<tr>
<th>Gauge</th>
<th>(inch)</th>
<th>(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 Ga</td>
<td>0.043</td>
<td>1.10</td>
</tr>
<tr>
<td>20 Ga</td>
<td>0.036</td>
<td>0.90</td>
</tr>
<tr>
<td>21 Ga</td>
<td>0.032</td>
<td>0.80</td>
</tr>
<tr>
<td>22 Ga</td>
<td>0.028</td>
<td>0.70</td>
</tr>
<tr>
<td>23 Ga</td>
<td>0.025</td>
<td>0.63</td>
</tr>
<tr>
<td>25 Ga</td>
<td>0.020</td>
<td>0.50</td>
</tr>
<tr>
<td>27 Ga</td>
<td>0.016</td>
<td>0.40</td>
</tr>
</tbody>
</table>

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)

Ergonomic Model
Two Fingers Control Squeeze Handle
12-003T

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

Classic Model
One Finger Control Handle
12-001T

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

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

Designed for cutting membranes and junction zones of the proliferative tissue

**MOST POPULAR**

Vertical Scissors
- **70°**
  - Sharp tips
  - 12-202 20 Ga
  - 12-202-23 23 Ga

**MOST POPULAR**

Klaus Lucke Retinotomy Scissors
- With bulbous tip
  - 12-2020 20 Ga

**COMPATIBLE WITH 12-2037 ONLY**

Horizontal Scissors
- **55°**
  - 12-206 20 Ga

**MOST POPULAR**

Vertical Scissors
- **45°**
  - 12-2029 25 Ga

**MOST POPULAR**

Curved Subretinal Scissors
- Curvature radius 12 mm
  - 12-209 20 Ga
  - 12-209-23 23 Ga
  - 12-2099 25 Ga

**MOST POPULAR**

Straight Scissors
- Blunt tips
  - 12-211 20 Ga

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

**MOST POPULAR**

Side Curved Scissors
- 12-215 20 Ga

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

Product design and/or features that do not influence its functionality and main parameters are subject to change.
INTERNAL LIMITING MEMBRANE (ILM) FORCEPS

Delicate branches for ILM peeling

**ILM POPULAR**

Asymmetrical End-Grasping Forceps

- Standard branches, 28 mm tube (23 Ga)
  - 12-420-23 23 Ga
  - 12-420-25 25 Ga
  - 12-420-27 27 Ga

- Elongated branches, 30 mm tube
- Designed for myopic eyes
- 12-4202-23 23 Ga

**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 NEW**

Eckardt End-Gripping Forceps

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

**ILM**

Tano Asymmetrical End-Gripping Forceps

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

**ILM**

End-Grasping Forceps

- Expanded space between branches
  - 12-4013 23 Ga

**Enhanced visualization!**

**Tanaka Maculorhexis Forceps**

- 12-414 23 Ga

**Kawai ILM Forceps**

- 12-415 25 Ga

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

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

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

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

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

- 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

- Vitreoretinal Forceps with cup jaws
  - 12-313**
  - 20 Ga

- Stolyarenko Forceps for large foreign bodies
  - 12-335**
  - 20 Ga

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

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

**MOST POPULAR**

Delicate Membrane Pick
Overall length 134 mm
- 13-097-23 23 Ga
- 13-0979 25 Ga
- 13-097-27 27 Ga

Membrane Scratcher
Overall length 135 mm
- 13-092 20 Ga

Ogura PVD Spatula
Overall length 132 mm
- 13-1081-23 23 Ga

BRVO Knife
Designed for performing a lateral CRVO incision
Overall length 132 mm
- 13-1091-23 23 Ga
**23 GAUGE INSTRUMENTS**

**ILM**

**MOST POPULAR**
- Eckardt End-Gripping Forceps  
  12-410-23  23 Ga

**POPULAR**
- Tano Asymmetrical End-Gripping Forceps  
  12-411-23  23 Ga

**POPULAR**
- Asymmetrical End-Grasping Forceps  
  12-420-23  23 Ga  
  Enhanced visualization!

**ERM**

**MOST POPULAR**
- 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

- End-Gripping Forceps with extended gripping area at the end of the tip  
  12-4012  23 Ga

**MOST POPULAR**
- Asymmetrical End-Grasping Forceps  
  Elongated branches, 30 mm  
  Designed for myopic eyes  
  12-4202-23  23 Ga  
  Enhanced visualization!

**POPULAR**
- End-Grasping Forceps  
  Expanded space between branches  
  12-4013  23 Ga  
  Enhanced visualization!

**POPULAR**
- Gripping Forceps with a “crocodile” platform  
  12-304-23  23 Ga

**POPULAR**
- Spring Gripping Forceps  
  12-321-23  23 Ga

**MOST POPULAR**
- Curved Subretinal Scissors  
  Curvature radius 12 mm  
  12-209-23  23 Ga

**POPULAR**
- End-Gripping Forceps with nail shaped jaws  
  12-402-23  23 Ga

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

**ILM**

**MOST POPULAR**
Eckardt End-Gripping Forceps
12-410-25  25 Ga

Tano Asymmetrical End-Gripping Forceps
12-411-25  25 Ga

Asymmetrical End-Grasping Forceps
12-420-25  25 Ga
Enhanced visualization!

**ERM**

**POPULAR**
Gripping Forceps
with a sandblasted platform
12-3019  25 Ga

Vertical Scissors
45°
Sharp tips
12-2029  25 Ga

**MOST POPULAR**
Curved Subretinal Scissors
Curvature radius 12 mm
12-2099  25 Ga

**POPULAR**
Pick Forceps
12-3259  25 Ga

**MOST POPULAR**
End-Gripping Forceps
with nail shaped jaws
12-4089  25 Ga

27 GAUGE INSTRUMENTS*

**ILM**

**NEW**
Eckardt End-Gripping Forceps
12-410-27  27 Ga

Asymmetrical End-Grasping Forceps
12-420-27  27 Ga
Enhanced visualization!

*Tip only. Handles are sold separately.
Product design and/or features that do not influence its functionality and main parameters are subject to change.
REUSABLE ONE-PIECE VITREORETINAL INSTRUMENTS
WITH RUMEX FLUSHING SYSTEM

The tip can be easily cleaned without disassembling (see page 184)
Special flushing cannula is provided for free!

**ILM**

- Eckardt End-Gripping Forceps
  - 12-410-23H 23 Ga
  - 12-410-25H 25 Ga
- Tano Asymmetrical End-Gripping Forceps
  - 12-411-23H 23 Ga
  - 12-411-25H 25 Ga

**ERM**

- Gripping Forceps
  with a “crocodile” platform
  - 12-304-23H 23 Ga
  - 12-304-25H 25 Ga
- Pick Forceps
  - 12-325-23H 23 Ga
  - 12-325-25H 25 Ga
- End-Gripping Forceps
  with nail shaped jaws
  - 12-402-23H 23 Ga
  - 12-402-25H 25 Ga
- Curved Subretinal Scissors
  Curvature radius 12 mm
  - 12-209-23H 23 Ga
  - 12-209-25H 25 Ga
- Straight Vitreoretinal Scissors
  Blunt tips
  - 12-211-23H 23 Ga
  - 12-211-25H 25 Ga

- Asymmetrical End-Grasping Forceps
  - 12-420-23H 23 Ga
  - 12-420-25H 25 Ga

- Expanded space between branches
  - 12-4013H 23 Ga
  - 12-4013-25H 25 Ga
Enhanced visualization!

Other models of tips in 20/23/25 and 27 Ga are available upon request.
Product design and/or features that do not influence its functionality and main parameters are subject to change.
DISPOSABLE STAINLESS STEEL
ONE-PIECE INSTRUMENTS

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

**DISPOSABLE ECKARDT END-GRIPPING FORCEPS**

- **ILM**
  - Disposable Asymmetrical End-Grasping Forceps
    - 12-420-23D: 23 Ga
    - 12-420-25D: 25 Ga

- **ERM**
  - Disposable Gripping Forceps with a “crocodile” platform
    - 12-304-23D: 23 Ga
    - 12-304-25D: 25 Ga

**DISPOSABLE ASYMMETRICAL END-GRASPING FORCEPS**

- **ILM**
  - Disposable Asymmetrical End-Grasping Forceps
    - 12-420-23D: 23 Ga
    - 12-420-25D: 25 Ga

**DISPOSABLE PICK FORCEPS**

- **ILM**
  - Disposable Asymmetrical End-Grasping Forceps
    - 12-325-23D: 23 Ga
    - 12-325-25D: 25 Ga

- **ERM**
  - Disposable Curved Scissors
    - 12-209-23D: 23 Ga
    - 12-209-25D: 25 Ga

*Not available in the US*

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

**WITH PLASTIC HANDLE**

**FOR POSTERIOR SEGMENT***

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

- **Eckardt End Gripping Forceps**
  - 12-410-23DP 23 Ga
  - 12-410-25DP 25 Ga
  - 12-410-27DP 27 Ga

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

**DISPOSABLE DIAMOND DUSTED RETRACTABLE ILM ELEVATOR***

Used to elevate membrane edge during vitreoretinal surgery

Diamond dusted soft silicone tip provides an extreme grip

Retractable version for easy insertion through the trocar valves

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

---

*Not for sale in the US and Europe

**Not for sale in Europe

Product design and/or features that do not influence its functionality and main parameters are subject to change
REUSABLE TWO STEP TROCAR SYSTEMS

Reusable Trocar System with closure valves

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

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

MOST

Loading Forceps
12-5186  23/25 Ga

Instrument Cannula Inserter
12-5187-25  25 Ga

Fixation Plate
12-5188  23/25 Ga  Popular

MVR Knives

Multifacet blade, sterile

Straight  MOST
VRS-19 - 19 Ga
VRS-20 - 20 Ga
VRS-23 - 23 Ga

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

Scleral Plugs Forceps
Cross-action mechanism reduces hand fatigue
12-5086S  20 Ga

Watzke Sleeve Spreading Forceps
- used to stretch the silicone sleeve placed around the eyeball
- serrated tips aid in gripping the sleeve and allow for adjustable traction
4-2201T

Product design and/or features that do not influence its functionality and main parameters are subject to change.
DISPOSABLE ONE STEP TROCAR SYSTEM*  

Disposable Trocar Systems with closure valves

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

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

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

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

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

Universal Infusion Line for BSS

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

Used with the backflush cannulas (page 153).

MOST POPULAR

Reusable Backflush Handle
Titanium
12-6000 Active Aspiration
12-6010 Passive Aspiration

Replacement Reservoir for Backflush Handle*
Disposable, Sterile, 5 per Box
12-5159 Active Aspiration
12-5147 Passive Aspiration

DISPOSABLE BACKFLUSH INSTRUMENTS*

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

Color code system
- 23 Ga
- 25 Ga
- 27 Ga

With blunt tip (Charles Flute)
12-5164H 23 Ga x 34 mm
12-5156H 25 Ga x 34 mm
12-5492H 27 Ga x 34 mm

With silicone brush tip
12-5162H 23 Ga x 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 for sale in Europe
Product design and/or features that do not influence its functionality and main parameters are subject to change
VITREORETINAL CANNULAS

Disposable Backflush Cannulas*
Designed for efficient and safe manipulations in the posterior segment. Used with the backflush handle.

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.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Gauge</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-5164</td>
<td>23 Ga</td>
<td>34 mm</td>
</tr>
<tr>
<td>12-5156</td>
<td>25 Ga</td>
<td>34 mm</td>
</tr>
<tr>
<td>12-5492</td>
<td>27 Ga</td>
<td>34 mm</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Gauge</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-5161</td>
<td>23 Ga</td>
<td>34 mm</td>
</tr>
<tr>
<td>12-5152</td>
<td>25 Ga</td>
<td>34 mm</td>
</tr>
<tr>
<td>12-5491</td>
<td>27 Ga</td>
<td>34 mm</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Gauge</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-5162</td>
<td>23 Ga</td>
<td>34 mm</td>
</tr>
<tr>
<td>12-5160</td>
<td>25 Ga</td>
<td>34 mm</td>
</tr>
<tr>
<td>12-5167</td>
<td>27 Ga</td>
<td>34 mm</td>
</tr>
</tbody>
</table>

Dual Bore Cannulas*

Dual Bore PFC Cannula
Simultaneous infusion of heavy liquids and aspiration of intraocular fluids.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Gauge</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-5203</td>
<td>23 Ga</td>
<td>33 mm</td>
</tr>
<tr>
<td>12-5205</td>
<td>25 Ga</td>
<td>33 mm</td>
</tr>
</tbody>
</table>

Infusion Cannula
Reusable Silicone Oil Infusion Cannula
Self-Retaining hub of 6.00 mm

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-026</td>
<td>20 Ga</td>
</tr>
</tbody>
</table>

*Not for sale in Europe
Product design and/or features that do not influence its functionality and main parameters are subject to change.
ULTRA PURIFIED SILICONE OIL SMARTSIL 1000/5000

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

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

No risk of emulsification

SOLVENT FREE

<table>
<thead>
<tr>
<th></th>
<th>1000 cSt</th>
<th>5000 cSt</th>
</tr>
</thead>
<tbody>
<tr>
<td>SmartSil 1000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SmartSil 5000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Physicochemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interfacial tension at 37°C</td>
<td>43.2 mNm-1</td>
</tr>
<tr>
<td>Density</td>
<td>0.97 g/cm³</td>
</tr>
<tr>
<td>Viscosity</td>
<td>1000 cSt / 5000 cSt</td>
</tr>
<tr>
<td>Refractive index</td>
<td>1.404</td>
</tr>
<tr>
<td>Volatility</td>
<td>0.06%</td>
</tr>
<tr>
<td>Polymersity</td>
<td>2.33</td>
</tr>
<tr>
<td>Elements potentially toxic</td>
<td>&lt; 3 ppm</td>
</tr>
<tr>
<td>Low molecular weights</td>
<td>D4–D9: &lt; 24 ppm D10–D20: 4 ≤ ppm</td>
</tr>
</tbody>
</table>

*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.

<table>
<thead>
<tr>
<th>Surgical System</th>
<th>Reusable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ioltech® Pentasys™</td>
<td>12-RTUB-1</td>
</tr>
<tr>
<td>Optikon® Antares™</td>
<td></td>
</tr>
<tr>
<td>Alcon® STTO™</td>
<td></td>
</tr>
<tr>
<td>Storz® Premiere™</td>
<td></td>
</tr>
<tr>
<td>DORC® Harmony Budget™</td>
<td></td>
</tr>
<tr>
<td>DORC® Associate™</td>
<td>12-RTUB-2</td>
</tr>
<tr>
<td>Alcon® Constellation™, Accurus™</td>
<td></td>
</tr>
<tr>
<td>B&amp;L® Millenium™, Stellaris™</td>
<td>12-RTUB-3</td>
</tr>
<tr>
<td>Oerlti® Orbit™, Faros™, OS3™, Optikon®, R-Evolution®</td>
<td>12-RTUB-4</td>
</tr>
</tbody>
</table>

Viscous Fluid Injection Cannula

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

- **STERILE**

| Viscous Fluid Injection Cannula |  |
|-------------------|-----------------|---|
| 12-5248* | 23 Ga x 4 mm |
| 12-5258* | 25 Ga x 4 mm **NEW** |

*Not for sale in Europe

Product design and/or features that do not influence its functionality and main parameters are subject to change.
<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Best-selling item</strong></td>
<td>Item preferred by many customers</td>
</tr>
<tr>
<td><strong>Recently introduced</strong></td>
<td>Recently introduced into the product range of RUMEX International Co.</td>
</tr>
<tr>
<td><strong>This item will be available in RUMEX range soon</strong></td>
<td>This item will be available in RUMEX range soon (as of Fall 2020)</td>
</tr>
<tr>
<td><strong>Disposable instruments</strong></td>
<td>Disposable instruments</td>
</tr>
<tr>
<td><strong>Available in a single-use edition</strong></td>
<td>Available in a single-use edition</td>
</tr>
<tr>
<td><strong>Available in Stainless Steel</strong></td>
<td>Available in Stainless Steel</td>
</tr>
<tr>
<td><strong>Featured instrument in the set on page 100</strong></td>
<td>Featured instrument in the set on page 100</td>
</tr>
<tr>
<td><strong>Frequently bought together</strong></td>
<td>Frequently bought together</td>
</tr>
<tr>
<td><strong>Quantity in the box</strong></td>
<td>Quantity in the box</td>
</tr>
</tbody>
</table>
FEATURED SETS

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

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-010T</td>
<td>1</td>
<td>Castroviejo Caliper</td>
<td>47</td>
</tr>
<tr>
<td>3-040</td>
<td>2</td>
<td>Whipple Capsulorhexis Centration Marker</td>
<td>49</td>
</tr>
<tr>
<td>4-0331ST</td>
<td>3</td>
<td>Ultra Capsulorhexis Forceps, Cystotome</td>
<td>56</td>
</tr>
<tr>
<td>4-050T</td>
<td>4</td>
<td>Tips, with Scale</td>
<td>62</td>
</tr>
<tr>
<td>4-0600T</td>
<td>5</td>
<td>Castroviejo Suturing Forceps</td>
<td>73</td>
</tr>
<tr>
<td>4-072T</td>
<td>6</td>
<td>Dressing Forceps with Serrations</td>
<td>65</td>
</tr>
<tr>
<td>4-120S</td>
<td>7</td>
<td>Hartman Hemostatic Mosquito Forceps</td>
<td>72</td>
</tr>
<tr>
<td>4-192T</td>
<td>8</td>
<td>McPherson Angled Tying Forceps</td>
<td>74</td>
</tr>
<tr>
<td>4-185T</td>
<td>9</td>
<td>Tennant Straight Tying Forceps</td>
<td>75</td>
</tr>
<tr>
<td>4-2107T</td>
<td>10</td>
<td>Steinitz Paddle Lens Folding Forceps</td>
<td>67</td>
</tr>
<tr>
<td>4-2108S</td>
<td>11</td>
<td>Feuker Lens Holding Forceps</td>
<td>67</td>
</tr>
<tr>
<td>4-2141T</td>
<td>12</td>
<td>Cartridge Loading Forceps for Inserting IOL</td>
<td>68</td>
</tr>
<tr>
<td>5-030</td>
<td>13</td>
<td>Kuglen Iris Hook</td>
<td>76</td>
</tr>
<tr>
<td>5-032</td>
<td>14</td>
<td>Sinskey Hook</td>
<td>76</td>
</tr>
<tr>
<td>5-034</td>
<td>15</td>
<td>Bechert Nucleus Rotor</td>
<td>77</td>
</tr>
<tr>
<td>6-10/6-053</td>
<td>16</td>
<td>Diamond Knife, Trifacet Blade, 1.00 mm</td>
<td>79</td>
</tr>
<tr>
<td>6-20/6-107</td>
<td>17</td>
<td>Diamond Knife, Self-Diving Trapezoid Blade, 2.00/2.30 mm</td>
<td>80</td>
</tr>
<tr>
<td>7-025T</td>
<td>18</td>
<td>Ernst Nucleus Cracker</td>
<td>83</td>
</tr>
<tr>
<td>7-063 (7-064)*</td>
<td>19</td>
<td>Nagahara Phaco Chopper RHD (LHD)</td>
<td>85</td>
</tr>
<tr>
<td>7-0634/I</td>
<td>20</td>
<td>Lesieur Hydrochopper, 20 Ga</td>
<td>89</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-081</td>
<td>21</td>
<td>Irrigation Handpiece for Bimanual Technique, 21 Ga</td>
<td>90</td>
</tr>
<tr>
<td>7-0821</td>
<td>22</td>
<td>Aspiration Handpiece for Bimanual Technique, 22 Ga</td>
<td>91</td>
</tr>
<tr>
<td>8-03T</td>
<td>23</td>
<td>Barraquer Needle Holder, Standard Jaws</td>
<td>93</td>
</tr>
<tr>
<td>8-045T</td>
<td>24</td>
<td>Barraquer Needle Holder, Extra Fine Jaws</td>
<td>93</td>
</tr>
<tr>
<td>10-5096-1</td>
<td>25</td>
<td>Disposable Iris Retractors, 1 pack of 4 pcs</td>
<td>96</td>
</tr>
<tr>
<td>11-034S</td>
<td>26</td>
<td>Universal Corneal Scissors</td>
<td>97</td>
</tr>
<tr>
<td>11-040S</td>
<td>27</td>
<td>Westcott Curved Tenotomy Scissors</td>
<td>100</td>
</tr>
<tr>
<td>11-044S</td>
<td>28</td>
<td>Westcott Stitch Scissors</td>
<td>99</td>
</tr>
<tr>
<td>11-0581S</td>
<td>29</td>
<td>Gills-Vannas Capsulotomy Scissors</td>
<td>101</td>
</tr>
<tr>
<td>14-080A</td>
<td>30</td>
<td>Lieberman Temporal Speculum with Aspiration</td>
<td>113</td>
</tr>
<tr>
<td>15-025</td>
<td>31</td>
<td>Kelman Sharp Irrigating Cystotome, 25 Ga</td>
<td>121</td>
</tr>
<tr>
<td>15-051-27</td>
<td>32</td>
<td>Rycroft Anterior Chamber Cannula, 27 Ga</td>
<td>118</td>
</tr>
<tr>
<td>15-071-25</td>
<td>33</td>
<td>McPherson Nucleus Hydrodissector, Spatulated, 25 Ga</td>
<td>120</td>
</tr>
<tr>
<td>15-170</td>
<td>34</td>
<td>Microincisonal Capsule Polisher Cannula, Disc-shaped Tip, 23 Ga</td>
<td>121</td>
</tr>
<tr>
<td>15-129-0.3</td>
<td>35</td>
<td>Simcoe VA Cannula, 23/23 Ga</td>
<td>119</td>
</tr>
<tr>
<td>16-020T</td>
<td>36</td>
<td>Maloney Intraoperative Keratometer</td>
<td>47</td>
</tr>
<tr>
<td>16-034T</td>
<td>37</td>
<td>Fine Thornton Phaco Fixation Ring with Swivel, 14.00 mm Ring</td>
<td>125</td>
</tr>
<tr>
<td>16-081S</td>
<td>38</td>
<td>Towel Forceps</td>
<td>75</td>
</tr>
<tr>
<td>16-2806</td>
<td>39</td>
<td>IOL injector for A, B, C cartridges</td>
<td>125</td>
</tr>
<tr>
<td>18-305**</td>
<td></td>
<td>Plastic Sterilizing Tray, Double Level, Large</td>
<td>130</td>
</tr>
</tbody>
</table>

* optional
** not shown

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

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-010T</td>
<td>1</td>
<td>Castroviejo Caliper</td>
<td>47</td>
</tr>
<tr>
<td>4-030T</td>
<td>2</td>
<td>Utrata Capsulorhexis Forceps, Cystotome Tips</td>
<td>55</td>
</tr>
<tr>
<td>5-030</td>
<td>3</td>
<td>Kuglen Hook, Angled</td>
<td>76</td>
</tr>
<tr>
<td>5-032</td>
<td>4</td>
<td>Sinskey Hook, Angled</td>
<td>76</td>
</tr>
<tr>
<td>6-10/6-053</td>
<td>5</td>
<td>Diamond Knife, Trifacet Blade, 100 mm</td>
<td>79</td>
</tr>
<tr>
<td>6-20/6-104</td>
<td>6</td>
<td>Diamond Knife, Self-Diving Trapezoid Blade, 2.30/2.80 mm</td>
<td>80</td>
</tr>
<tr>
<td>7-025T</td>
<td>7</td>
<td>Ernest Nucleus Cracker</td>
<td>83</td>
</tr>
<tr>
<td>7-081</td>
<td>8</td>
<td>Irrigation Handpiece for Bimanual Technique, 21 Ga</td>
<td>90</td>
</tr>
<tr>
<td>7-0821</td>
<td>9</td>
<td>Aspiration Handpiece for Bimanual Technique, 22 Ga</td>
<td>91</td>
</tr>
<tr>
<td>7-191S</td>
<td>10</td>
<td>Combo Prechopper (Sharp&amp;Blunt Blades)</td>
<td>84</td>
</tr>
<tr>
<td>11-040S</td>
<td>11</td>
<td>Westcott Curved Tenotomy Scissors</td>
<td>100</td>
</tr>
<tr>
<td>11-044S</td>
<td>12</td>
<td>Westcott Stitch Scissors, Sharp Tips</td>
<td>99</td>
</tr>
<tr>
<td>14-040T</td>
<td>13</td>
<td>Lieberman Temporal Speculum</td>
<td>115</td>
</tr>
<tr>
<td>15-071-25</td>
<td>14</td>
<td>McIntyre Nucleus Hydrodissector, 25 Ga</td>
<td>120</td>
</tr>
<tr>
<td>15-051-27</td>
<td>15</td>
<td>Rycroft Anterior Chamber Cannula, 27 Ga</td>
<td>118</td>
</tr>
<tr>
<td>15-159-25</td>
<td>16</td>
<td>Jensen Capsule Polisher, Curved, Olive Tip, 25 Ga</td>
<td>121</td>
</tr>
<tr>
<td>16-020T</td>
<td>17</td>
<td>Maloney Intraoperative Keratometer Sterilizing Tray, Large</td>
<td>47</td>
</tr>
</tbody>
</table>

* not shown

Product design and/or features that do not influence its functionality and main parameters are subject to change.
Product design and/or features that do not influence its functionality and main parameters are subject to change.
**BIMANUAL MICROPHACO (MICS) SET**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-0377V</td>
<td>1</td>
<td>Kawai Capsulorhexis Forceps, Tapered 23/25Ga shaft/Universal Squeeze Handle</td>
<td>59</td>
</tr>
<tr>
<td>12-003T</td>
<td>2</td>
<td>Collibri Corneal Forceps, 0.12 mm 1x2 Teeth</td>
<td>62</td>
</tr>
<tr>
<td>4-0600T</td>
<td>3</td>
<td>Castroviejo Suturing Forceps, 0.12 mm 1x2 Teeth</td>
<td>73</td>
</tr>
<tr>
<td>4-174T</td>
<td>4</td>
<td>McPherson Angled Tying Forceps</td>
<td>74</td>
</tr>
<tr>
<td>5-032</td>
<td>5</td>
<td>Sinskey Hook</td>
<td>76</td>
</tr>
<tr>
<td>5-034</td>
<td>6</td>
<td>Bechert Nucleus Rotator</td>
<td>77</td>
</tr>
<tr>
<td>10-1053</td>
<td>7</td>
<td>Diamond Knife Tricet Blade, 1.00 mm</td>
<td>79</td>
</tr>
<tr>
<td>6-2-064A</td>
<td>8</td>
<td>Diamond Knife, Self-Diving Trapeziod Blade, 1.80/2.00 mm</td>
<td>80</td>
</tr>
<tr>
<td>7-064*</td>
<td>9</td>
<td>Nagahara Phaco Chopper RHD (LHD*)</td>
<td>85</td>
</tr>
<tr>
<td>7-081</td>
<td>10</td>
<td>Irrigation Handpiece for Bimanual Technique, 21 Ga</td>
<td>90</td>
</tr>
<tr>
<td>7-0621</td>
<td>11</td>
<td>Aspiration Handpiece for Bimanual Technique, 22 Ga</td>
<td>91</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-0374T</td>
<td>12</td>
<td>Side Port Capsulotomy Scissors, Left, 20 Ga</td>
<td>101</td>
</tr>
<tr>
<td>11-03751</td>
<td>13</td>
<td>Side Port Capsulotomy Scissors, Right, 20 Ga</td>
<td>101</td>
</tr>
<tr>
<td>11-044S</td>
<td>14</td>
<td>Westcott Stitch Scissors</td>
<td>99</td>
</tr>
<tr>
<td>14-080A</td>
<td>15</td>
<td>Lieberman Temporal Speculum with Aspiration</td>
<td>113</td>
</tr>
<tr>
<td>15-0681</td>
<td>16</td>
<td>Chang Nucleus Hydrodissector, 27 Ga</td>
<td>120</td>
</tr>
<tr>
<td>15-170</td>
<td>17</td>
<td>Microincisional Capsule Polisher Cannula, Disc-shaped Tip, 23 Ga</td>
<td>121</td>
</tr>
<tr>
<td>15-150</td>
<td>18</td>
<td>Simcoe I/A Cannula, 23/23 Ga</td>
<td>119</td>
</tr>
<tr>
<td>18-304**</td>
<td>19</td>
<td>Silicone Bulb with Adapter Sterilizing Tray, Large</td>
<td>123</td>
</tr>
</tbody>
</table>

* optional  
** not shown

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

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

**FemtoSecond Cataract Set**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-05825</td>
<td>1</td>
<td>Forceps for Femtosecond Laser Cataract Procedure</td>
<td>39,57</td>
<td>7-081-23</td>
<td>8</td>
<td>Irrigation Handpiece for Bimanual Technique, Curved, 23 Ga</td>
<td>90</td>
</tr>
<tr>
<td>7-1166S</td>
<td>2</td>
<td>Yeeh Femtosecond Prechopper</td>
<td>39,84</td>
<td>7-0821-23</td>
<td>9</td>
<td>Aspiration Handpiece for Bimanual Technique, Curved, 23 Ga</td>
<td>91</td>
</tr>
<tr>
<td>7-145</td>
<td>3</td>
<td>Nagy Femtosecond Chopper</td>
<td>40,88</td>
<td>14-052T</td>
<td>10</td>
<td>Slade-Murdoch Speculum</td>
<td>41,117</td>
</tr>
<tr>
<td>7-146</td>
<td>4</td>
<td>Donnenfeld Femto Splitter</td>
<td>41,88</td>
<td>15-170</td>
<td>11</td>
<td>Micromiscional Capsule Polisher Cannula, Disc-shaped Tip, 23 Ga</td>
<td>121</td>
</tr>
<tr>
<td>13-181</td>
<td>5</td>
<td>Uy Laser Lens Fragmentation Combo Manipulator</td>
<td>40,104</td>
<td>7-1167S</td>
<td>12</td>
<td>Crozafon Prechopper</td>
<td>39,84</td>
</tr>
<tr>
<td>20-204</td>
<td>6</td>
<td>Spatula for Femtosecond Laser Procedure</td>
<td>40,104</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20-2041</td>
<td>7</td>
<td>Donnenfeld Femto Spatula</td>
<td>40,104</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
FEATURE SETS

LASIK SET

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

* not shown

LASEK SET

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-040TL</td>
<td>1</td>
<td>Lieberman Temporal Speculum for LASIK</td>
<td>115</td>
</tr>
<tr>
<td>20-001</td>
<td>2</td>
<td>LASEK Knife</td>
<td>110,132</td>
</tr>
<tr>
<td>20-121</td>
<td>3</td>
<td>LASEK 8.00 mm Trephine/8.50 mm Funnel</td>
<td>134</td>
</tr>
</tbody>
</table>

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

* not shown

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

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

* not shown

LRI SET

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

*optional set

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

Product design and/or features that do not influence its functionality and main parameters are subject to change.
### TORIC IOL IMPLANTATION SET

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

*optional set

### ICL SET

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-08011T</td>
<td>1</td>
<td>Nevias-Wallace Fixation Forceps, 0.12mm 1x2 Teeth</td>
<td>66</td>
</tr>
<tr>
<td>4-20115</td>
<td>2</td>
<td>ICL™ Cartridge Loading Forceps</td>
<td>70</td>
</tr>
<tr>
<td>4-21432/</td>
<td>3</td>
<td>Zaldivar-Kraff ICL Pacman Forceps, 20 Ga Universal Squeeze Handle</td>
<td>70</td>
</tr>
<tr>
<td>12-003T</td>
<td>4</td>
<td>Pallikans ICL™ Manipulator</td>
<td>139</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-142</td>
<td>5</td>
<td>Zaldivar ICL™ Manipulator</td>
<td>112</td>
</tr>
<tr>
<td>14-040T</td>
<td>6</td>
<td>Lieberman Temporal Speculum</td>
<td>115</td>
</tr>
<tr>
<td>6-206-0551</td>
<td>7</td>
<td>Zaldivar Diamond Knife, 0.55/100 mm Sterilizing Tray, Single Level, Large</td>
<td>80</td>
</tr>
</tbody>
</table>

*not shown

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

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-0331T</td>
<td>1</td>
<td>Mendez Degree Gauge</td>
<td>48</td>
<td>10-035</td>
<td>7</td>
<td>Elevator for ICRS Implantation</td>
<td>112</td>
</tr>
<tr>
<td>3-034</td>
<td>2</td>
<td>Optical Zone Marker</td>
<td>50</td>
<td>13-146</td>
<td>8</td>
<td>Suarez Spreader</td>
<td>112</td>
</tr>
<tr>
<td>3-143T</td>
<td>3</td>
<td>Tunnel Zone Marker</td>
<td>50</td>
<td>13-147</td>
<td>9</td>
<td>Bicallo Guide</td>
<td>128</td>
</tr>
<tr>
<td>4-0801T</td>
<td>4</td>
<td>Nevayas-Wallace Fixation Forceps</td>
<td>66</td>
<td>16-173S</td>
<td>10</td>
<td>Tunnel Maker, Left</td>
<td>128</td>
</tr>
<tr>
<td>4-2144T</td>
<td>5</td>
<td>Forceps for ICRS Implantation</td>
<td>62</td>
<td>16-174S</td>
<td>11</td>
<td>Tunnel Maker, Right</td>
<td>130</td>
</tr>
<tr>
<td>6-00/6-020</td>
<td>6</td>
<td>Diamond Knife for ICRS, Micrometer Handle, 1.00 mm</td>
<td>79</td>
<td>18-304*</td>
<td></td>
<td>Plastic Sterilizing Tray, Single Level, Large</td>
<td></td>
</tr>
</tbody>
</table>

* not shown

Product design and/or features that do not influence its functionality and main parameters are subject to change.
## CORNEAL TRANSPLANTATION SET

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-140T</td>
<td>1</td>
<td>Corneal Transplant Marker</td>
<td>49</td>
</tr>
<tr>
<td>4-0814T</td>
<td>2</td>
<td>Polack Corneal Transplantation Fixation Forceps</td>
<td>66</td>
</tr>
<tr>
<td>4-0541T</td>
<td>3</td>
<td>Castroviejo Colibri Corneal Forceps, 0.12 mm 1×2 Teeth</td>
<td>63</td>
</tr>
<tr>
<td>4-0607S</td>
<td>4</td>
<td>Bishop-Harmon Suturing Forceps, 0.30 mm 1×2 Teeth</td>
<td>73</td>
</tr>
<tr>
<td>4-0600T</td>
<td>5</td>
<td>Castroviejo Suturing Forceps, 0.12 mm 1×2 Teeth</td>
<td>73</td>
</tr>
<tr>
<td>4-0601T</td>
<td>6</td>
<td>Castroviejo Suturing Forceps, 0.30 mm 1×2 Teeth</td>
<td>73</td>
</tr>
<tr>
<td>4-090T</td>
<td>7</td>
<td>Kelman-McPherson Tying Forceps</td>
<td>74</td>
</tr>
<tr>
<td>4-78S</td>
<td>8</td>
<td>McPherson Straight Tying Forceps</td>
<td>74</td>
</tr>
<tr>
<td>4-120S</td>
<td>9</td>
<td>Hartman Hemostatic Mosquito Forceps, Straight</td>
<td>72</td>
</tr>
<tr>
<td>6-101/6-053</td>
<td>10</td>
<td>Diamond Knife, Tri facet Blade, 1.00 mm</td>
<td>79</td>
</tr>
<tr>
<td>8-03AT</td>
<td>11</td>
<td>Barraquer Needle Holder, Medium</td>
<td>93</td>
</tr>
<tr>
<td>6-20/6-10T*</td>
<td>12</td>
<td>Diamond Knife, Self-Diving Trapezoid Blade, 2.00/2.30</td>
<td>80</td>
</tr>
<tr>
<td>8-045T</td>
<td></td>
<td>Barraquer Needle Holder, Extra Fine Jaws, Medium</td>
<td>93</td>
</tr>
<tr>
<td>11-020S</td>
<td></td>
<td>Katzin Corneal Transplant Scissors, Left</td>
<td>97</td>
</tr>
<tr>
<td>11-0201S*</td>
<td></td>
<td>Katzin Corneal Transplant Scissors, Right</td>
<td>97</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page</th>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>49</td>
<td>11-024S</td>
<td></td>
<td>Castroviejo Corneal Section Scissors, Right</td>
</tr>
<tr>
<td>66</td>
<td>11-02415*</td>
<td></td>
<td>Castroviejo Corneal Section Scissors, Left</td>
</tr>
<tr>
<td>63</td>
<td>11-040S</td>
<td></td>
<td>Westcott Curved Tenotomy Scissors</td>
</tr>
<tr>
<td>73</td>
<td>11-044S</td>
<td></td>
<td>Westcott Stitch Scissors</td>
</tr>
<tr>
<td>73</td>
<td>13-110</td>
<td></td>
<td>Paton Spatula and Spoon</td>
</tr>
<tr>
<td>73</td>
<td>14-022S</td>
<td></td>
<td>Barraquer Wire Speculum, Adult Size</td>
</tr>
<tr>
<td>74</td>
<td>15-051/25</td>
<td></td>
<td>Rycroft Anterior Chamber Cannula, 25 Ga</td>
</tr>
<tr>
<td>74</td>
<td>15-301/303</td>
<td></td>
<td>Silicone Bulb with Adapter</td>
</tr>
<tr>
<td>72</td>
<td>16-081S</td>
<td></td>
<td>Towel Forceps</td>
</tr>
<tr>
<td>79</td>
<td>16-0307</td>
<td></td>
<td>Corneal Trephine Blades, 8.00 mm</td>
</tr>
<tr>
<td>93</td>
<td>16-0305*</td>
<td></td>
<td>Corneal Trephine Blades, 7.50 mm</td>
</tr>
<tr>
<td>97</td>
<td></td>
<td></td>
<td>Plastic Sterilizing Tray, Double Level, Large</td>
</tr>
</tbody>
</table>
DSEK, DSAEK, DMEK SET

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-0218T</td>
<td>1</td>
<td>Hoffer Optical Zone Marker, 8.50 mm</td>
<td>50</td>
</tr>
<tr>
<td>4-034</td>
<td>2</td>
<td>Forceps for Corneal Endothelium Implantation, 23 Ga</td>
<td>44,64</td>
</tr>
<tr>
<td>4-209T</td>
<td>3</td>
<td>Corneal Donor Insertion Forceps</td>
<td>64</td>
</tr>
<tr>
<td>5-0222</td>
<td>4</td>
<td>Reversed Sinskey Hook</td>
<td>76</td>
</tr>
<tr>
<td>13-137</td>
<td>5</td>
<td>Corneal Disser, Straight</td>
<td>105</td>
</tr>
<tr>
<td>13-138</td>
<td>6</td>
<td>Corneal Disser, Curved</td>
<td>105</td>
</tr>
<tr>
<td>13-139/I</td>
<td>7</td>
<td>Endothelial Stripper, Irrigating</td>
<td>105</td>
</tr>
<tr>
<td>13-150T</td>
<td>8</td>
<td>Spatula-Guide for Corneal Endothelium Implantation</td>
<td>105</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-151S</td>
<td>9</td>
<td>Cindy Sweeper DSEK Spatula</td>
<td>106</td>
</tr>
<tr>
<td>13-152S</td>
<td>10</td>
<td>Carbon DSEK Smoother</td>
<td>106</td>
</tr>
<tr>
<td>13-153S</td>
<td>11</td>
<td>Terry DSEK Scraper</td>
<td>106</td>
</tr>
<tr>
<td>4-247/</td>
<td>12</td>
<td>Fiorskos Micriconsve Endothelial Forceps</td>
<td>42,64</td>
</tr>
<tr>
<td>12-003T</td>
<td>13</td>
<td>John Dextatome DMEK/DSAEK Spatula</td>
<td>43,107</td>
</tr>
<tr>
<td>13-154</td>
<td>14</td>
<td>John DSAEK Stromal Scrubber</td>
<td>43,107</td>
</tr>
<tr>
<td>13-155</td>
<td>15</td>
<td>John DSAEK Glider</td>
<td>43,107</td>
</tr>
</tbody>
</table>

DALK SET

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-0385</td>
<td>1</td>
<td>Scissors for DALK Procedure, Right</td>
<td>97</td>
</tr>
<tr>
<td>11-0381S</td>
<td>2</td>
<td>Scissors for DALK Procedure, Left</td>
<td>97</td>
</tr>
<tr>
<td>13-170</td>
<td>3</td>
<td>Trisector for DALK Procedure</td>
<td>108</td>
</tr>
<tr>
<td>13-171</td>
<td>4</td>
<td>Spatula for DALK Procedure</td>
<td>108</td>
</tr>
<tr>
<td>13-172</td>
<td>5</td>
<td>Dissector for DALK Procedure</td>
<td>108</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-170</td>
<td>6</td>
<td>Cannula for DALK Procedure, 27 Ga</td>
<td>122</td>
</tr>
<tr>
<td>11-134</td>
<td>7</td>
<td>Holland Spatulated DALK Scissors, Right</td>
<td>43,98</td>
</tr>
<tr>
<td>11-135</td>
<td>8</td>
<td>Holland Spatulated DALK Scissors, Left</td>
<td>43,98</td>
</tr>
<tr>
<td>4-178S</td>
<td>9</td>
<td>McPherson Tying Forceps, Straight</td>
<td>74</td>
</tr>
<tr>
<td>4-174T</td>
<td>10</td>
<td>McPherson Tying Forceps, Angled</td>
<td>74</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-010T</td>
<td>1</td>
<td>Castroviejo Caliper</td>
<td>47</td>
</tr>
<tr>
<td>3-0277T</td>
<td>2</td>
<td>Heffner Optical Zone Marker, 8.00 mm</td>
<td>50</td>
</tr>
<tr>
<td>4-0814T</td>
<td>3</td>
<td>Pollask Corneal Transplantation Fixation Forceps</td>
<td>66</td>
</tr>
<tr>
<td>5-0322</td>
<td>4</td>
<td>Reversed Sinskey Hook</td>
<td>76</td>
</tr>
<tr>
<td>11-036S</td>
<td>5</td>
<td>DLEK Scissors, Medium Curve</td>
<td>98</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-036S</td>
<td>6</td>
<td>DLEK Scissors, Strong Curve</td>
<td>98</td>
</tr>
<tr>
<td>13-137</td>
<td>7</td>
<td>Corneal Dissector, Straight</td>
<td>105</td>
</tr>
<tr>
<td>13-138</td>
<td>8</td>
<td>Corneal Dissector, Curved</td>
<td>105</td>
</tr>
<tr>
<td>13-160</td>
<td>9</td>
<td>Manipulator for DLEK procedure</td>
<td>108</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-010T</td>
<td>1</td>
<td>Blade Holder</td>
<td>46</td>
</tr>
<tr>
<td>2-010T</td>
<td>2</td>
<td>Castroviejo Caliper</td>
<td>47</td>
</tr>
<tr>
<td>4-050T</td>
<td>3</td>
<td>Colibri Corneal Forceps, 0.12 mm 1x2 Teeth</td>
<td>47</td>
</tr>
<tr>
<td>4-070S</td>
<td>4</td>
<td>Dressing Forceps With Delicate Serrations</td>
<td>65</td>
</tr>
<tr>
<td>4-0600T</td>
<td>5</td>
<td>Castroviejo Suturing Forceps, 0.12 mm 1x2 Teeth</td>
<td>73</td>
</tr>
<tr>
<td>4-071T</td>
<td>6</td>
<td>McPherson Straight Tying Forceps</td>
<td>74</td>
</tr>
<tr>
<td>4-090T</td>
<td>7</td>
<td>Kelman-McPherson Tying Forceps</td>
<td>74</td>
</tr>
<tr>
<td>4-120S</td>
<td>8</td>
<td>Hartman Hemostatic Mosquito Forceps, Straight</td>
<td>72</td>
</tr>
<tr>
<td>4-2301T</td>
<td>9</td>
<td>Fechtner Conjunctive Forceps</td>
<td>60</td>
</tr>
<tr>
<td>6-10/6-053</td>
<td>10</td>
<td>Diamond Knife, Trifacet Blade, 1.00 mm</td>
<td>79</td>
</tr>
<tr>
<td>6-20/6-092</td>
<td>11</td>
<td>Diamond Knife, Crescent Blade, 2.00 mm</td>
<td>80</td>
</tr>
<tr>
<td>13-050</td>
<td>12</td>
<td>Castroviejo Double-Ended Cyclodialysis Spatula</td>
<td>103</td>
</tr>
<tr>
<td>8-045T</td>
<td>13</td>
<td>Barraquer Needle Holder, Extra Fine Jaws</td>
<td>93</td>
</tr>
<tr>
<td>11-040S</td>
<td>14</td>
<td>Westcott Curved Tenotomy Scissors</td>
<td>100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-044S</td>
<td>15</td>
<td>Westcott Stitch Scissors</td>
<td>111</td>
</tr>
<tr>
<td>11-052S</td>
<td>16</td>
<td>Vannas Capsulotomy Scissors, Curved</td>
<td>111</td>
</tr>
<tr>
<td>11-080S</td>
<td>17</td>
<td>Iris Scissors, Straight</td>
<td>99</td>
</tr>
<tr>
<td>11-023S</td>
<td>18</td>
<td>Barraquer Iris Scissors</td>
<td>99</td>
</tr>
<tr>
<td>14-022S</td>
<td>19</td>
<td>Barraquer Wire Speculum Adult Size</td>
<td>117</td>
</tr>
<tr>
<td>16-011</td>
<td>20</td>
<td>Kelly Descemet’s Membrane Punch, 0.75 mm Diameter</td>
<td>126</td>
</tr>
<tr>
<td>16-012S</td>
<td>21</td>
<td>Harms Trabeculotome, Left</td>
<td>128</td>
</tr>
<tr>
<td>16-013S</td>
<td>22</td>
<td>Harms Trabeculotome, Right</td>
<td>128</td>
</tr>
<tr>
<td>16-015S</td>
<td>23</td>
<td>Schoedel Towel Clamp</td>
<td>75</td>
</tr>
<tr>
<td>16-016S</td>
<td>24</td>
<td>Rycroft Anterior Chamber Cannula, 27 Ga</td>
<td>118</td>
</tr>
<tr>
<td>16-080S</td>
<td>25</td>
<td>Silicone Bulb With Adapter</td>
<td>123</td>
</tr>
<tr>
<td>15-051-27</td>
<td>26</td>
<td>Disposable Marking Pen</td>
<td>130</td>
</tr>
<tr>
<td>15-301/303</td>
<td></td>
<td>Plastic Sterilizing Tray, Double Level, Large</td>
<td>130</td>
</tr>
</tbody>
</table>

* not shown

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

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-010T</td>
<td>1</td>
<td>Blade Holder</td>
<td>46</td>
</tr>
<tr>
<td>4-0600T</td>
<td>2</td>
<td>Castroviejo Suturing Forceps, 0.12 mm 1×2 Teeth</td>
<td>73</td>
</tr>
<tr>
<td>4-0741S</td>
<td>3</td>
<td>Adson Fixation Forceps, 0.50 mm 1×2 Teeth</td>
<td>66</td>
</tr>
<tr>
<td>4-171T</td>
<td>4</td>
<td>McPherson Straight Tying Forceps</td>
<td>74</td>
</tr>
<tr>
<td>4-2300T</td>
<td>5</td>
<td>Bonaccolto Utility Forceps</td>
<td>60</td>
</tr>
<tr>
<td>8-031T</td>
<td>6</td>
<td>Barraquer Needle Holder, Curved</td>
<td>93</td>
</tr>
<tr>
<td>11-080S</td>
<td>7</td>
<td>Straight Iris Scissors</td>
<td>98</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-040T</td>
<td>8</td>
<td>Lieberman Temporal Speculum</td>
<td>115</td>
</tr>
<tr>
<td>16-051-2.5</td>
<td>9</td>
<td>Power Handle with 2.50 mm Round-Shaped Diamond Dusted Burr</td>
<td>124</td>
</tr>
<tr>
<td>16-051-3.5B</td>
<td>10</td>
<td>Diamond Dusted Burr, Round, 3.5 mm Diameter</td>
<td>124</td>
</tr>
<tr>
<td>16-052-5.0B</td>
<td>11</td>
<td>Diamond Dusted Burr, 5.00 mm Diameter, Disk-Shaped Plastic Sterilizing Tray, Single Level, Large</td>
<td>130</td>
</tr>
</tbody>
</table>

* not shown

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

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-010</td>
<td>Blade Holder</td>
<td>46</td>
</tr>
<tr>
<td>4-071S</td>
<td>Dressing Forceps, 12 mm Serrated Tips</td>
<td>65</td>
</tr>
<tr>
<td>4-2300T</td>
<td>Bonaccolto Utility Forceps</td>
<td>75</td>
</tr>
<tr>
<td>4-0601T</td>
<td>Castroviejo Suturing Forceps, 0.30 mm 1x2 Teeth</td>
<td>73</td>
</tr>
<tr>
<td>4-122S</td>
<td>Halsted Hemostatic Mosquito Forceps, Straight</td>
<td>72</td>
</tr>
<tr>
<td>8-031T</td>
<td>Barraquer Needle Holder, Medium</td>
<td>93</td>
</tr>
<tr>
<td>9-010S</td>
<td>Bowman Lacrimal Probe, Size 0000-000</td>
<td>94</td>
</tr>
<tr>
<td>9-012S*</td>
<td>Bowman Lacrimal Probe, Size 1-2</td>
<td>94</td>
</tr>
<tr>
<td>9-013S*</td>
<td>Bowman Lacrimal Probe, Size 3-4</td>
<td>94</td>
</tr>
<tr>
<td>9-014S*</td>
<td>Bowman Lacrimal Probe, Size 5-6</td>
<td>94</td>
</tr>
<tr>
<td>9-021S</td>
<td>Quickeit Lacrimal Intubation Probe, Size 0</td>
<td>94</td>
</tr>
<tr>
<td>9-031</td>
<td>Pigtail Lacrimal Probe</td>
<td>94</td>
</tr>
<tr>
<td>9-050T</td>
<td>Wider Lacrimal Dilator, Size 1</td>
<td>94</td>
</tr>
<tr>
<td>9-060T</td>
<td>Castroviejo Double-Ended Lacrimal Dilator, Size 16-2</td>
<td>94</td>
</tr>
</tbody>
</table>

* not shown

Reference | Description                                      | Page |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10-013</td>
<td>Stevenson Lacrimal Sac Retractor</td>
<td>95</td>
</tr>
<tr>
<td>10-014</td>
<td>Knapp Lacrimal Sac Retractor</td>
<td>95</td>
</tr>
<tr>
<td>11-080S</td>
<td>Straight Iris Scissors</td>
<td>98</td>
</tr>
<tr>
<td>11-12S5</td>
<td>Westcott Type Stitch Scissors</td>
<td>99</td>
</tr>
<tr>
<td>11-12S5</td>
<td>Stevens Scissors, Straight</td>
<td>100</td>
</tr>
<tr>
<td>15-029</td>
<td>Lacrimal Cannula, Reinforced, Curved</td>
<td>123</td>
</tr>
<tr>
<td>15-301/303</td>
<td>Silicone Bulb with Adapter</td>
<td>123</td>
</tr>
<tr>
<td>16-0815</td>
<td>Towel Forceps</td>
<td>76</td>
</tr>
<tr>
<td>16-127</td>
<td>Nasal Speculum, Adult Size</td>
<td>128</td>
</tr>
<tr>
<td>16-135</td>
<td>Surgical Mallet, Polished Finish</td>
<td>128</td>
</tr>
<tr>
<td>16-136</td>
<td>Kerrson Rongeur, Size 0</td>
<td>127</td>
</tr>
<tr>
<td>16-138</td>
<td>Belz Lacrimal Soc Rongeur</td>
<td>126</td>
</tr>
<tr>
<td>21-R7011</td>
<td>DCR Set – Straight, 4.50 cm, 3 per Box</td>
<td>30</td>
</tr>
<tr>
<td>18-305*</td>
<td>Plastic Sterilizing Tray, Double Level, Large</td>
<td>130</td>
</tr>
</tbody>
</table>

Product design and/or features that do not influence its functionality and main parameters are subject to change.
## LID SURGERY SET

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-010T</td>
<td>1</td>
<td>Blade Holder</td>
<td>46</td>
</tr>
<tr>
<td>2-010T</td>
<td>2</td>
<td>Castroviejo Caliper</td>
<td>47</td>
</tr>
<tr>
<td>4-060T</td>
<td>3</td>
<td>Castroviejo Suturing Forceps, 0.30 mm 1x2 Teeth</td>
<td>73</td>
</tr>
<tr>
<td>4-0607S</td>
<td>4</td>
<td>Bishop-Harmon Suturing Forceps, 0.30 mm 1x2 Teeth</td>
<td>65</td>
</tr>
<tr>
<td>4-072T</td>
<td>5</td>
<td>Dressing Forceps with 12.00 mm Serrated Tips</td>
<td>65</td>
</tr>
<tr>
<td>4-090T</td>
<td>6</td>
<td>Kellman-McPherson Tying Forceps</td>
<td>74</td>
</tr>
<tr>
<td>4-120S</td>
<td>7</td>
<td>Hartman Hemostatic Mosquito Forceps, Straight</td>
<td>72</td>
</tr>
<tr>
<td>4-140T</td>
<td>8</td>
<td>Puttermann Type Lid Clamp</td>
<td>60</td>
</tr>
<tr>
<td>4-190E</td>
<td>9</td>
<td>Desmarres Chalazon Forceps, Large</td>
<td>60</td>
</tr>
<tr>
<td>4-191T</td>
<td>10</td>
<td>Compressing Lid Forceps (MGD)</td>
<td>45,61</td>
</tr>
<tr>
<td>4-1245*</td>
<td>11</td>
<td>Bonaccolto Utility Forceps</td>
<td>60</td>
</tr>
<tr>
<td>5-042</td>
<td>12</td>
<td>Graefle Muscle Hook, Size 2</td>
<td>75</td>
</tr>
<tr>
<td>9-031T</td>
<td>13</td>
<td>Barraquer Needle Holder, Medium</td>
<td>77</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-080T</td>
<td>14</td>
<td>Kalt Needle Holder</td>
<td>93</td>
</tr>
<tr>
<td>10-014</td>
<td>15</td>
<td>Knapp Lacrimal Sac Retractor</td>
<td>95</td>
</tr>
<tr>
<td>11-055-19</td>
<td>16</td>
<td>Bishop Harper AC Cannula</td>
<td>118</td>
</tr>
<tr>
<td>15-301/303</td>
<td>17</td>
<td>Silicone Bulb with Adapter</td>
<td>123</td>
</tr>
<tr>
<td>16-080S</td>
<td>18</td>
<td>Schaedel Towel Clamp</td>
<td>75</td>
</tr>
<tr>
<td>16-50S</td>
<td>19</td>
<td>Lid Plate</td>
<td>126</td>
</tr>
<tr>
<td>10-020*</td>
<td>20</td>
<td>Desmarres Lid Retractor, Size 0</td>
<td>95</td>
</tr>
<tr>
<td>10-021</td>
<td>21</td>
<td>Desmarres Lid Retractor, Size 1</td>
<td>95</td>
</tr>
<tr>
<td>10-022*</td>
<td>22</td>
<td>Desmarres Lid Retractor, Size 2</td>
<td>95</td>
</tr>
<tr>
<td>10-023*</td>
<td>23</td>
<td>Desmarres Lid Retractor, Size 3</td>
<td>95</td>
</tr>
<tr>
<td>11-040S</td>
<td>24</td>
<td>Westcott Tenotomy Scissors, Blunt Tips</td>
<td>100</td>
</tr>
<tr>
<td>11-044S</td>
<td>25</td>
<td>Westcott Stitch Scissors, Sharp Tips</td>
<td>99</td>
</tr>
<tr>
<td>11-080S</td>
<td>26</td>
<td>Straight Iris Scissors</td>
<td>98</td>
</tr>
<tr>
<td>11-133S</td>
<td>27</td>
<td>Stevens Tenotomy Scissors, Straight</td>
<td>100</td>
</tr>
<tr>
<td>20-050</td>
<td>28</td>
<td>Disposable Marking Pen</td>
<td>53,134</td>
</tr>
<tr>
<td>18-305*</td>
<td>29</td>
<td>Plastic Sterilizing Tray, Double Level, Large</td>
<td>130</td>
</tr>
</tbody>
</table>

* not shown

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

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-020S</td>
<td>1</td>
<td>Bard Parker Handle</td>
<td>46</td>
</tr>
<tr>
<td>4-1906T</td>
<td>2</td>
<td>Desmarres Chalazion Forceps, Large</td>
<td>60</td>
</tr>
<tr>
<td>4-1912T*</td>
<td>2</td>
<td>Desmarres Chalazion Forceps, Medium</td>
<td>60</td>
</tr>
<tr>
<td>4-1908T</td>
<td>3</td>
<td>Lambert Chalazion Forceps, Small</td>
<td>60</td>
</tr>
<tr>
<td>4-1909T</td>
<td>4</td>
<td>Lambert Chalazion Forceps, Medium</td>
<td>60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-063*</td>
<td>5</td>
<td>Meyerhoefer Chalazion Curette, Size 0</td>
<td>127</td>
</tr>
<tr>
<td>16-064*</td>
<td>5</td>
<td>Meyerhoefer Chalazion Curette, Size 1</td>
<td>127</td>
</tr>
<tr>
<td>16-065*</td>
<td>5</td>
<td>Meyerhoefer Chalazion Curette, Size 2</td>
<td>127</td>
</tr>
<tr>
<td>16-066</td>
<td>5</td>
<td>Meyerhoefer Chalazion Curette, Size 3</td>
<td>127</td>
</tr>
<tr>
<td>16-067*</td>
<td>6</td>
<td>Meyerhoefer Chalazion Curette, Size 4</td>
<td>127</td>
</tr>
<tr>
<td>16-505</td>
<td>6</td>
<td>Lid plate</td>
<td>126</td>
</tr>
<tr>
<td>18-304*</td>
<td>6</td>
<td>Plastic Sterilizing Tray, Single Level, Large</td>
<td>130</td>
</tr>
</tbody>
</table>

* not shown

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

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-020S</td>
<td>1</td>
<td>Bard Parker Handle</td>
<td>46</td>
</tr>
<tr>
<td>2-010T</td>
<td>2</td>
<td>Castroviejo Caliper</td>
<td>47</td>
</tr>
<tr>
<td>4-072T</td>
<td>3</td>
<td>Dressing Forceps with 12 mm Serrated Tips</td>
<td>65</td>
</tr>
<tr>
<td>4-0551T</td>
<td>4</td>
<td>Corneal Forceps, Bonn-Catalano Type</td>
<td>63</td>
</tr>
<tr>
<td>4-0602T</td>
<td>5</td>
<td>Castroviejo Suturing Forceps, 0.50 mm 1+2 Teeth</td>
<td>73</td>
</tr>
<tr>
<td>4-090T</td>
<td>6</td>
<td>Kelmanson-McPherson Tying Forceps</td>
<td>74</td>
</tr>
<tr>
<td>4-121S</td>
<td>7</td>
<td>Hartman Hemostatic Mosquito Forceps, Curved</td>
<td>72</td>
</tr>
<tr>
<td>4-130S</td>
<td>8</td>
<td>Jameson Muscle Forceps, Left</td>
<td>72</td>
</tr>
<tr>
<td>4-131S</td>
<td>9</td>
<td>Jameson Muscle Forceps, Right</td>
<td>72</td>
</tr>
<tr>
<td>4-136S</td>
<td>10</td>
<td>Osher Superior Rectus Forceps</td>
<td>73</td>
</tr>
<tr>
<td>10-022</td>
<td>11</td>
<td>Desmarres Lid Retractor, Size 2</td>
<td>95</td>
</tr>
<tr>
<td>5-040</td>
<td>12</td>
<td>Jameson Muscle Hook, 2.00 mm Bulbous Tip</td>
<td>77</td>
</tr>
</tbody>
</table>

* Reference Key Description Reference Key Description Page

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-090T</td>
<td>12</td>
<td>Graefe Muscle Hook, Size 2</td>
<td>77</td>
</tr>
<tr>
<td>5-061</td>
<td>13</td>
<td>Scobee Oblique Muscle Hook, Curved</td>
<td>78</td>
</tr>
<tr>
<td>5-062</td>
<td>14</td>
<td>Stevens Curved Tenotomy Hook</td>
<td>78</td>
</tr>
<tr>
<td>8-090T</td>
<td>15</td>
<td>Barraquer Needle Holder, Curved, w/lock</td>
<td>93</td>
</tr>
<tr>
<td>8-0921T</td>
<td>16</td>
<td>Castroviejo Needle Holder, Straight, w/lock</td>
<td>92</td>
</tr>
<tr>
<td>11-040S</td>
<td>17</td>
<td>Westcott Tenotomy Scissors, Blunt Tips, 13 mm Blades</td>
<td>100</td>
</tr>
<tr>
<td>11-044S</td>
<td>18</td>
<td>Westcott Stitch Scissors, Sharp Tips, 16 mm Blades</td>
<td>99</td>
</tr>
<tr>
<td>14-0601T</td>
<td>19</td>
<td>Kerchner Reversible Solid Blade Speculum</td>
<td>114</td>
</tr>
<tr>
<td>15-055-19</td>
<td>20</td>
<td>Bishop Harmon AC Cannula</td>
<td>118</td>
</tr>
<tr>
<td>15-301/303</td>
<td>21</td>
<td>Silicone Bulb with Adapter</td>
<td>123</td>
</tr>
<tr>
<td>15-301303</td>
<td>22</td>
<td>Serefine, Straight</td>
<td>72</td>
</tr>
<tr>
<td>16-090S</td>
<td></td>
<td>Plastic Sterilizing Tray, Double Level, Large</td>
<td>130</td>
</tr>
</tbody>
</table>

* not shown

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

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-020S</td>
<td>1</td>
<td>Bard Parker Handle</td>
<td>46</td>
</tr>
<tr>
<td>4-120S</td>
<td>2</td>
<td>Hartman Hemostatic Mosquito Forceps, Straight</td>
<td>72</td>
</tr>
<tr>
<td>4-140T</td>
<td>3</td>
<td>Puttmanan Type Lid Clamp</td>
<td>60</td>
</tr>
<tr>
<td>4-1906T</td>
<td>4</td>
<td>Desmarets Chalazion Forceps, Large</td>
<td>60</td>
</tr>
<tr>
<td>4-074T</td>
<td>5</td>
<td>Adson Fixation Forceps, 0.50 mm 1-2 Teeth</td>
<td>66</td>
</tr>
<tr>
<td>4-0822T</td>
<td>6</td>
<td>Castrovejo Fixation Forceps, 0.50 mm 1-2 Teeth</td>
<td>66</td>
</tr>
<tr>
<td>5-042</td>
<td>7</td>
<td>Graefe Muscle Hook, Size 2</td>
<td>77</td>
</tr>
<tr>
<td>8-080T</td>
<td>8</td>
<td>Kalt Needle Holder</td>
<td>92</td>
</tr>
<tr>
<td>8-0921T</td>
<td>9</td>
<td>Castrovejo Needle Holder, Straight, w/lock</td>
<td>92</td>
</tr>
<tr>
<td>9-025</td>
<td>10</td>
<td>Bowman Lacrimal Probe, Size 1-2</td>
<td>94</td>
</tr>
<tr>
<td>9-031</td>
<td>11</td>
<td>Pigtail Lacrimal Probe</td>
<td>94</td>
</tr>
</tbody>
</table>

Reference: 9-050T

Reference: 10-014

Reference: 10-022

Reference: 11-090S

Reference: 11-133S

Reference: 14-0601T

Reference: 16-50S

Reference: 16-066

Reference: 18-305*

---

* not shown

---

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

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-0741S</td>
<td>Adson Fixation Forceps, 0.50 mm 1×2 Teeth</td>
<td>66</td>
</tr>
<tr>
<td>4-123S</td>
<td>Halsted Hemostatic Mosquito Forceps, Curved</td>
<td>72</td>
</tr>
<tr>
<td>11-0905</td>
<td>Graefe Muscle Hook, Size 2</td>
<td>77</td>
</tr>
<tr>
<td>11-101S*</td>
<td>Enucleation Scissors, Curved, Medium</td>
<td>102</td>
</tr>
<tr>
<td>11-101S*</td>
<td>Knapp Strabismus Scissors, Curved</td>
<td>99</td>
</tr>
</tbody>
</table>

* not shown

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-040T</td>
<td>Lieberman Temporal Speculum</td>
<td>115</td>
</tr>
<tr>
<td>16-060</td>
<td>Wells Enucleation Spoon</td>
<td>128</td>
</tr>
<tr>
<td>16-062</td>
<td>Bunge Evisceration Spoon, Large</td>
<td>127</td>
</tr>
<tr>
<td>18-304*</td>
<td>Plastic Sterilizing Tray, Single Level, Large</td>
<td>130</td>
</tr>
</tbody>
</table>

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

Product design and/or features that do not influence its functionality and main parameters are subject to change.
**REUSABLE SET, 23 GA**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-001T</td>
<td>1</td>
<td>Universal Instrument Handle, One Finger Control</td>
<td>139</td>
</tr>
<tr>
<td>12-003T</td>
<td>2</td>
<td>Universal Instrument Handle, Squeeze Model, Two Fingers Control</td>
<td>139</td>
</tr>
<tr>
<td>12-202-23</td>
<td>3</td>
<td>Vertical Vitreoretinal Scissors, 23 Ga, Tip only</td>
<td>140</td>
</tr>
<tr>
<td>12-209-23</td>
<td>4</td>
<td>Curved Subretinal Scissors, 23 Ga, Tip only</td>
<td>141</td>
</tr>
<tr>
<td>12-410-23</td>
<td>5</td>
<td>Eckardt End-Gripping Forceps, 23 Ga, Tip only</td>
<td>141</td>
</tr>
<tr>
<td>12-4013</td>
<td>6</td>
<td>End-Grasping Forceps, 23 Ga, Tip only</td>
<td>142</td>
</tr>
<tr>
<td>12-301-23</td>
<td>7</td>
<td>Gripping Forceps with a Sandblasted Platform, 23 Ga, Tip only</td>
<td>142</td>
</tr>
<tr>
<td>12-304-23</td>
<td>8</td>
<td>Vitreoretinal Forceps with a &quot;Crocodile&quot; Platform, 23 Ga, Tip only</td>
<td>142</td>
</tr>
</tbody>
</table>

**DISPOSABLE SET, 23 GA**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-5229</td>
<td>1</td>
<td>Disposable One Step Trocar System 23 Ga, 6 per Box</td>
<td>151</td>
</tr>
<tr>
<td>12-5161H</td>
<td>2</td>
<td>Backflush Instrument with Soft Tip, 23 Ga, 6 per Box</td>
<td>152</td>
</tr>
<tr>
<td>12-7523</td>
<td>3</td>
<td>Disposable Diamond Dusted Retractable ILM Elevator, 23 Ga, 5 per Box</td>
<td>149</td>
</tr>
<tr>
<td>12-209-23DP</td>
<td>4</td>
<td>Disposable Vitreoretinal Curved Scissors, 23 Ga, Plastic Handle 360°, 6 per Box</td>
<td>149</td>
</tr>
<tr>
<td>12-410-23DP</td>
<td>5</td>
<td>Disposable Vitreoretinal Eckardt End-Gripping Forceps, 23 Ga, Plastic Handle 360°, 6 per Box</td>
<td>149</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-304-23DP</td>
<td>6</td>
<td>Disposable Vitreoretinal Gripping Forceps with a &quot;Crocodile&quot; Platform, 23 Ga, Plastic Handle 360°, 6 per Box</td>
<td>149</td>
</tr>
<tr>
<td>12-202-23DP</td>
<td>7</td>
<td>Disposable Vitreoretinal Vertical Scissors, 23 Ga, Plastic Handle 360°, 6 per Box</td>
<td>149</td>
</tr>
<tr>
<td>12-5203</td>
<td>8</td>
<td>Dual Bore PFC Cannula, 23 Ga, 5 per Box</td>
<td>153</td>
</tr>
<tr>
<td>12-524B</td>
<td>9</td>
<td>Viscous Fluid Injection Cannula 23 Ga, 4 mm Tip, 5 per Box</td>
<td>153</td>
</tr>
<tr>
<td>SmartSil5000</td>
<td>10</td>
<td>Purified Silicone Oil for Retinal Endotamponade, 5000 cSt</td>
<td>154</td>
</tr>
</tbody>
</table>

*Tubings for other vitrectomy machines are available

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

**VITREORETINAL SURGERY**

**REUSABLE SET, 25 GA**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-001T</td>
<td>1</td>
<td>Universal Instrument Handle, One Finger Control</td>
<td>139</td>
</tr>
<tr>
<td>12-003T</td>
<td>2</td>
<td>Universal Instrument Handle, Squeeze Model, Two Fingers Control</td>
<td>139</td>
</tr>
<tr>
<td>12-2029</td>
<td>3</td>
<td>Vertical Vitreoretinal Scissors, 25 Ga, Tip only</td>
<td>146</td>
</tr>
<tr>
<td>12-2099</td>
<td>4</td>
<td>Curved Subretinal Scissors, 25 Ga, Tip only</td>
<td>146</td>
</tr>
<tr>
<td>12-410-25</td>
<td>5</td>
<td>Eckardt End-Gripping Forceps, 25 Ga, Tip only</td>
<td>146</td>
</tr>
<tr>
<td>12-420-25</td>
<td>6</td>
<td>End-Grasping Forceps, 25 Ga, Tip only</td>
<td>146</td>
</tr>
<tr>
<td>12-3019</td>
<td>7</td>
<td>Vitreoretinal Forceps with a Sandblasted Platform, 25 Ga, Tip only</td>
<td>146</td>
</tr>
<tr>
<td>12-304-25</td>
<td>8</td>
<td>Vitreoretinal Forceps with a “Crocodile” Platform, 25 Ga, Tip only</td>
<td>146</td>
</tr>
</tbody>
</table>

**DISPOSABLE SET, 25 GA**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Key</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-5244</td>
<td>1</td>
<td>Disposable One Step Trocar System 25 Ga 6 per Box</td>
<td>151</td>
</tr>
<tr>
<td>12-5152H</td>
<td>2</td>
<td>Backflush Instrument with Soft Tip, 25 Ga 6 per Box</td>
<td>152</td>
</tr>
<tr>
<td>12-7525</td>
<td>3</td>
<td>Disposable Diamond Dusted Retractable ILM Elevator, 25 Ga, 5 per Box</td>
<td>149</td>
</tr>
<tr>
<td>12-209-25DP</td>
<td>4</td>
<td>Disposable Vitreoretinal Curved Scissors, 25 Ga, Plastic Handle 360°, 6 per Box</td>
<td>149</td>
</tr>
<tr>
<td>12-410-25DP</td>
<td>5</td>
<td>Disposable Vitreoretinal Eckardt End-Gripping Forceps, 25 Ga, Plastic Handle 360°, 6 per Box</td>
<td>149</td>
</tr>
</tbody>
</table>

*Tubings for other vitrectomy machines are available

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

STERILIZATION AND CARE  182
ABBREVIATIONS            190
INDEX                    191
STERILIZATION AND CARE

DIAMOND KNIVES STERILIZATION

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

CHARACTERISTICS
The blades are made of natural diamonds and the handles are manufactured from titanium alloy. The thickness of the diamond blade cutting edge should not exceed 0.2 μm. The blade points must be edged with no visible chips (visible at 100x power magnification).

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

COMPLETE UNIT
Each complete set contains:
• diamond knife — 1 unit
• label — 1 unit
• sterilization tray — 1 unit
• care and cleaning instructions — 1 unit

USAGE INSTRUCTIONS
1. The diamond blade is very fragile, therefore, each knife must be handled, cleaned, and stored delicately. Avoid blows or vibrations. Any contact of the blade with other instruments or materials should be avoided.
2. Before using a knife, make sure there are no chips on the cutting edge. A microscope with at least 100x power magnification should be used for the inspection.
3. When transporting diamond knives, the blades must be fully retracted into the handles (non-operative position). We recommend the knives to be kept and carried in sterilizing cases or with a PTFE shipping clamp to avoid self-movement. When a knife is not in use, its blade must be retracted into the handle and protected from mechanical damage.
4. Please rotate the movable part of the handle clockwise and fix the blade to set the knife in its operative position. The blade is to be set in the operative position for the surgical operation just prior to usage.
5. After usage, slightly pull the movable part of the handle downwards and rotate counterclockwise to return the blade into its non-operative position. To avoid accidental movements of the spring, please make sure the handle is fixed tightly. When a handle is fixed, a slight click will occur.
6. To install the knife with a micrometer, pull the protective cap down and rotate the bottom part of the handle (with a scale) downwards; the blade will appear. Customize the depth of the blade by screwing the handle; the scale marks will indicate the chosen depth. The scale increment is 0.005 mm. Rotate the handle upwards then put on the protective cap to set the knife in the initial non-operative position.

The service life of the knife varies due to usage and handling. The blade must never be dropped or be in contact with foreign objects. The blade and the spring mechanism need to be handled with care and caution. Never disassemble the parts of a knife.

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

MANUAL CLEANING:
• use a syringe with distilled water to flush the instrument;
• dip the knife (blade retracted) into weak alkaline cleaning solution and keep for 60 minutes at a temperature of +22°C (+72°F);
• the handle of a knife can be cleaned with a soft brush;
• flush the instrument with flowing water for 30 seconds, then sluice with distilled water for other 30 seconds;
the blade should be pointed down for flushing.

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

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

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

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

<table>
<thead>
<tr>
<th>Sterilization Method</th>
<th>Type of Sterilization</th>
<th>Item</th>
<th>Temperature</th>
<th>Exposure Time</th>
<th>Drying Cycle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steam</td>
<td>Gravity Displacement</td>
<td>Wrapped</td>
<td>+132°C (+270°F)</td>
<td>34 min</td>
<td>min.10 min</td>
</tr>
<tr>
<td>Flash Process</td>
<td>Gravity Displacement</td>
<td>Unwrapped</td>
<td>+132°C (+270°F)</td>
<td>10 min</td>
<td>min.10 min</td>
</tr>
<tr>
<td>Steam</td>
<td>Prevacuum</td>
<td>Wrapped</td>
<td>+132°C (+270°F)</td>
<td>3 min</td>
<td>min.10 min</td>
</tr>
<tr>
<td>Flash Process</td>
<td>Prevacuum</td>
<td>Unwrapped</td>
<td>+132°C (+270°F)</td>
<td>3 min</td>
<td>min.10 min</td>
</tr>
</tbody>
</table>

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

Gas plasma sterilization is not recommended as delicate instruments might be physically damaged when
exposed to low pressure.

The above-mentioned sterilization cycles represent the industry standards and should be capable of producing
a sterile device. Due to variations in sterilization equipment and device bioburden in clinical use, RUMEX is
not able to provide specific cycle parameters. It is the responsibility of each user to perform the validation and
verification of the sterilization cycle and observe the instruction provided by the manufacturer of sterilization and
cleaning units.

STORAGE
Diamond knives must be kept at a temperature from +10°C to +25°C (+50°F to +77°F) and relative air
humidity at max. 75 % at 25°C (77°F). Indoor air must not contain corrosive additive agents. The blade
must be fully retracted into the handle (non-operative position).

Self-movement must be avoided and blows or vibrations should be avoided.

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

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

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

RUMEX Instruments (ophthalmic scissors and forceps for vitreoretinal and microincisional surgery) are designed for various applications in ophthalmic surgery. It is essential that the instrument is cleaned and sterilized before initial use and after each surgery, following as outlined in this instruction brochure.

CARE AND HANDLING

The intraocular tips have a delicate precision mechanism inside. Intraocular fluids will enter this mechanism during surgery. Proteins may also accumulate inside of the mechanism. If these fluids are not promptly and properly cleaned out, it will lead to corrosion or clogs and the possibility of instrument malfunction. Ensure the cleaning procedure is implemented after each surgery — warrant shall not extend to instruments that have been improperly handled. One-piece and two-piece vitreoretinal instruments are cleaned by use of special adaptor and cannula.

CLEANING

Cleaning of the tip:
1. Unscrew the tip from the handle, then attach flushing adapter 12-000T;
2. Flush the tip with distilled or deionized water by connecting a syringe filled with water to adapter;
3. Flush the tip with alcohol. This will remove the water and facilitate drying;
4. Dry the tip by forcing one or two syringes full of air through tip. Pressurized air is recommended, as it flushes out debris and fluid more efficiently than syringe forced air. Thoroughly dry handle, tip and cup;
5. Dry with air;
6. Handle should be soaked in distilled or deionized water for two minutes;
7. Dry with surgical sponge;
8. Lubricate joints in handle with instrument milk and work the mechanism by pressing the key.

CLEANING OF ONE-PIECE VITREORETINAL INSTRUMENTS

1. Put the instrument into PTFE protector;
2. Soak it in the soap solution at temperature of 50+5°C (122+41°F) and keep it there for (15±1) min;
3. Wash the handle with brush and cotton/gauze pad;
4. Take the instrument out of soap bath and wash it under streaming water for (3+1) min;
5. Rinse the instrument with distilled or deionized water;
6. After that, flush the instrument with alcohol solution. It will remove the water and contribute to drying;
7. Next, adjust the cannula on the luer of the syringe and fill the syringe with distilled or deionized water;
8. A tube of the cannula then should be inserted into the port, situated at the base of the barrel near the colored wheels;
9. Flush the tube of the instrument and the tip with distilled or deionized water by forcing syringe plunger. Then repeat the procedure with use of alcohol solution;
10. Finally, blow the air inside the tube, by forcing the air from the syringe into the port of the instrument.
INSTRUMENT DETERGENTS AND/OR CLEANERS
Only detergents and cleaners specially designed for use on surgical stainless steel or titanium instruments are acceptable for use in the cleaning process. The cleaning guidelines of the solution manufacturer and your institution should be observed.

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

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

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

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

1. Match the nut indicating the gauge with the hub, press the tip gently
   Make sure the branches do not touch the protector
2. The tips in their final position — safely fixed by the protector.
   Note: the tips should be sterilized in the protector to avoid any contact with other instruments.

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

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

<table>
<thead>
<tr>
<th>100% ETO cycles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration ETO</td>
</tr>
<tr>
<td>Temperature</td>
</tr>
<tr>
<td>Exposure time</td>
</tr>
<tr>
<td>Humidity</td>
</tr>
</tbody>
</table>
Gas plasma sterilization is not recommended as delicate instruments might be physically damaged when exposed to low pressure.

The above-mentioned sterilization cycles represent the industry standards and should be capable of producing a sterile device. Due to variations in sterilization equipment and device bioburden in clinical use, RUMEX International is not able to provide specific cycle parameters. It is the responsibility of each user to perform the validation and verification of the sterilization cycle to ensure an adequate sterility assurance level for RUMEX products.

**INSPECTION**

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

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

INSPECTION

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

MANUAL CLEANING

It is imperative to follow the next rules:

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

Thorough cleaning immediately after use is essential for the longevity of the instrument. We recommend that the established surgical instrument cleaning procedures of your institution be followed using these instructions as a guideline.

<table>
<thead>
<tr>
<th>Cleaning</th>
<th>Automated Cleaning</th>
<th>Ultrasonic Cleaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cleaning</td>
<td>Put the instruments in a tray and load inside the equipment. The recommended cycle: • Pre-cleaning with deionized cold water for three minutes; • Cleaning at 55°C/131°F with 0.5% alkaline detergent for five minutes. At the end the solution must be drained; • Neutralization with deionized cold water for two minutes. At the end the solution must be drained; • Rinsing with cold water for two minutes. Lubricate the joints and hinges of the instruments for two minutes, if applicable; Draining time: 10 min.</td>
<td>Place instruments on silicone fingertip mat; Change the ultrasonic solution from ultrasound cleaner after each use; When using deionized water or cleaning solution fully submerge the instruments; Use enzymatic detergent to soak the instruments; Turn on ultrasonic bath (38 KHz) for ten minutes; Use soft bristled nylon brush to clean all the parts of the instrument, inside and outside; Remove the cleaning detergent by flushing with demineralized water; The ultrasonic bath and the use of strong cleaning solutions can affect the life span of the delicate instruments. Make sure the appropriate agents are chosen for performing the procedure.</td>
</tr>
<tr>
<td>Drying</td>
<td>Drying cycle of the washer. A lintfree cloth may be used for additional drying. Sterile compressed air should be used to insufflate cavities of the instruments.</td>
<td>A lintfree cloth may be used for manual drying. Sterile compressed air should be used to insufflate cavities of the instruments.</td>
</tr>
</tbody>
</table>
ULTRASONIC CLEANING EQUIPMENT
An ultrasonic cleaner could also be used in the instrument cleaning process, but not as the sole cleaning method. The instrument should, at the very least, be flushed with distilled water prior to being placed into the equipment. A five to ten minutes cycle in the ultrasonic cleaner should be sufficient. The instrument must be secured on a silicone finger mat during the ultrasonic cleaning procedure. Special care should be taken to make certain that the tip of the instrument does not come into contact with the sides of the ultrasonic container, as this could damage the instrument.

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

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

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

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

### 100 % ETO CYCLES

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration</td>
<td>850±50 mg/l</td>
</tr>
<tr>
<td>Temperature</td>
<td>+37°C–47°C (+99°F - 117°F)</td>
</tr>
<tr>
<td>Exposure time</td>
<td>3–4 hours</td>
</tr>
<tr>
<td>Humidity</td>
<td>70% RH minimum</td>
</tr>
</tbody>
</table>

### STEAM AUTOCLAVING

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sterilizer Type</td>
<td>Gravity Displacement</td>
</tr>
<tr>
<td>Sample Config.</td>
<td>wrapped</td>
</tr>
<tr>
<td>Temperature</td>
<td>+132°C (+270°F)</td>
</tr>
<tr>
<td>Exposure time</td>
<td>34 minutes</td>
</tr>
<tr>
<td>Drying Cycle</td>
<td>min. 10 minutes</td>
</tr>
</tbody>
</table>

### 'FLASH' AUTOCLAVING

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sterilizer Type</td>
<td>Gravity Displacement</td>
</tr>
<tr>
<td>Sample Config.</td>
<td>unwrapped</td>
</tr>
<tr>
<td>Temperature</td>
<td>+132°C (+270°F)</td>
</tr>
<tr>
<td>Exposure time</td>
<td>10 minutes</td>
</tr>
<tr>
<td>Drying Cycle</td>
<td>min. 10 minutes</td>
</tr>
</tbody>
</table>

**Gas plasma sterilization** is not recommended as delicate instruments might be physically damaged when exposed to low pressure.

The above-mentioned sterilization cycles represent the industry standards and should be capable of producing a sterile device. Due to variations in sterilization equipment and device bioburden in clinical use, RUMEX International Co. is not able to provide specific cycle parameters. It is the responsibility of each user to perform the validation and verification of the sterilization cycle to ensure an adequate sterility assurance level for our products.
AT THE END OF A SURGICAL DAY

Instruments should be washed clean of all residues, dried and inspected after each use. Be sure to inspect every microsurgical instrument at the end of your surgical day. Please conduct this inspection under a microscope or magnification lens. If a damaged instrument is detected, repair or replace it. Washing, drying and inspecting the instrument under magnification helps to ensure that the instrument is kept in proper condition for the next surgical procedure.
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRVO</td>
<td>Branch Retinal Vein Occlusion</td>
</tr>
<tr>
<td>BSS</td>
<td>Balanced Salt Solution</td>
</tr>
<tr>
<td>CPM</td>
<td>Cuts per Minute</td>
</tr>
<tr>
<td>CRVO</td>
<td>Central Retinal Vein Occlusion</td>
</tr>
<tr>
<td>DALK</td>
<td>Deep Anterior Lamellar Keratoplasty</td>
</tr>
<tr>
<td>DLEK</td>
<td>Deep Lamellar Endothelial Keratoplasty</td>
</tr>
<tr>
<td>DMEK</td>
<td>Descemet's Membrane Endothelial Keratoplasty</td>
</tr>
<tr>
<td>DSAEK</td>
<td>Descemet's Stripping Automated Endothelial Keratoplasty</td>
</tr>
<tr>
<td>DSEK</td>
<td>Descemet's Stripping Endothelial Keratoplasty</td>
</tr>
<tr>
<td>ECCE</td>
<td>Extracapsular Cataract Extraction</td>
</tr>
<tr>
<td>ERM</td>
<td>Epiretinal Membrane</td>
</tr>
<tr>
<td>I/A</td>
<td>Irrigation / Aspiration</td>
</tr>
<tr>
<td>ICL</td>
<td>Implantable Collamer Lens</td>
</tr>
<tr>
<td>ICRS (implantation)</td>
<td>Intrastromal Corneal Ring Segments</td>
</tr>
<tr>
<td>ID</td>
<td>Inner Diameter</td>
</tr>
<tr>
<td>ILM</td>
<td>Internal Limiting Membrane</td>
</tr>
<tr>
<td>IOL</td>
<td>Intraocular Lens</td>
</tr>
<tr>
<td>LASEK</td>
<td>Laser-Assisted Sub-Epithelial Keratectomy</td>
</tr>
<tr>
<td>LASIK</td>
<td>Laser-Assisted in Situ Keratomileusis</td>
</tr>
<tr>
<td>LHD</td>
<td>Left Handed Doctor</td>
</tr>
<tr>
<td>LRI</td>
<td>Limbal Relaxing Incisions</td>
</tr>
<tr>
<td>MGD</td>
<td>Meibomian Gland Dysfunction</td>
</tr>
<tr>
<td>MICS</td>
<td>Micro Incision Coaxial Surgery</td>
</tr>
<tr>
<td>MVR (knife)</td>
<td>Micro-Vitreoretinal</td>
</tr>
<tr>
<td>OD</td>
<td>Outer Diameter</td>
</tr>
<tr>
<td>OVD</td>
<td>Ophthalmic Viscosurgical Device</td>
</tr>
<tr>
<td>PFC</td>
<td>Perfluorocarbon</td>
</tr>
<tr>
<td>PRK</td>
<td>Photorefractive Keratectomy</td>
</tr>
<tr>
<td>PVD</td>
<td>Posterior Vitreous Detachment</td>
</tr>
<tr>
<td>ReLEx SMILE</td>
<td>Refractive Lenticule Extraction SMall Incision Lenticule Extraction</td>
</tr>
<tr>
<td>RHD</td>
<td>Right Handed Doctor</td>
</tr>
<tr>
<td>SMILE</td>
<td>Small Incision Lenticule Extraction</td>
</tr>
<tr>
<td>SS</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Ti</td>
<td>Titanium</td>
</tr>
</tbody>
</table>
INDEX

A

4-2132T  Acrylic Lens Insertion Forceps, Flat Handle, Length 105 mm, Titanium 67
4-2132S  Acrylic Lens Insertion Forceps, Flat Handle, Stainless Steel 67
2-064T  Adler Wound Gauge, 2.00 - 2.50 mm Ranges, Titanium 47

Adson

4-0740T  Dressing Forceps, Flat Handle, Length 124 mm, Titanium 66
4-0740S  Dressing Forceps, Flat Handle, Stainless Steel 66
4-0741S  Fixation Forceps, 0.50 mm, 1x2 Teeth, Length 124 mm, Stainless Steel 66
4-0741T  Fixation Forceps, 0.50 mm, 1x2 Teeth, Length 124 mm, Titanium 66

Akahoshi

4-2138T  Forceps for Acrylic Lens, Cross-Action, Length 108 mm, Titanium 97
7-1153S  Hybrid Combo Prechopper, Straight, Cross Action, Max Opening 2.80 mm, Round Handle, Length 121 mm, Stainless Steel 84

Alger Brush

16-051-2.5  Power Handle w/2.5 mm Round Diamond Dusted Burr 124
16-050-3.5  Power Handle w/3.5 mm Round Medium Diamond Dusted Burr 124
16-050-5.0  Power Handle w/5 mm Disk Shaped Diamond Dusted Burr 124
16-104  Power Handle w/0.5 mm Tungsten Burr 124
16-140  Power Handle w/1 mm Tungsten Burr 124

Replacement Burr

16-143B  Tungsten Carbide, 0.5 mm Diameter 124
16-142B  Tungsten Carbide, 1.0 mm Diameter 124
16-051-2.5B  Diamond Dusted, Round, 2.5 mm Diameter 124
16-051-3.5B  Diamond Dusted, Round, 3.5 mm Diameter 124
16-052-5.0B  Diamond Dusted, Disk-Shaped, 5.0 mm Diameter 124

Anel Lacrimal Cannula

15-035-23C  Curved, 23 Ga, Special Long Mount Blunt Tip 123
15-035-25C  Curved, 25 Ga, Special Long Mount Blunt Tip 123
15-035-23S  Straight, 23 Ga, Special Long Mount Blunt Tip 123
15-035-25S  Straight, 25 Ga, Special Long Mount Blunt Tip 123

Anterior Chamber Cannula (Rycroft)

21-R2023  23 Ga x 22 mm, 4 mm Angled, 10 per Box 28
21-R2025  25 Ga x 7 x 22 mm, 4 mm Angled, 10 per Box 28
21-R2030  30 Ga x 22 mm, 4 mm Angled, 10 per Box 28
21-R2027-8  27 Ga x 22 mm, 8 mm Angled, 10 per Box 28
21-R2520  Anterior Chamber Maintainer (Lewicky) 20 Ga, 15.2 cm Tubing 28
7-101  Anterior/Posterior Capsule Polisher, Angled 135°, Length 120 mm, Round Titanium Handle 89

Aquafree Hydrophobic IOLs

IOLs  AquaFree Yellow Aspheric Hydrophobic 13
IOLs  AquaFree Yellow Aspheric Hydrophobic Preloaded 13

Aspiration Handpiece for Bimanual Technique, Curved

7-082  21 Ga, One Top-Port 0.35 mm, Length 104 mm, Titanium Handle 91
7-0821  22 Ga, One Top-Port 0.35 mm, Length 104 mm, Titanium Handle 91
7-0821-23  23 Ga, One Top-Port 0.30 mm, Length 104 mm, Titanium Handle 91
7-0826  23 Ga, 1.00 X 0.30 mm Port, Polished Ball Tip, Curved, Length 104 mm, Titanium Handle 91
4-280T  ARTISAN® Implantation Forceps, Flat Handle, Length 100 mm, Titanium 152
15-001-23  Atkinson Retrobulbar Needle, 23 Ga x 38.00 mm 118
12-412  Avci Foreign Body Forceps, 17 Ga, Tip Only 143
7-135  Axe Quick Chopper, Angled, 10.00 mm from Bend to Tip, Length 120 mm, Round Titanium Handle 88

B

15-031  Bailey Lacrimal Cannula, 23 Ga 123
15-373-25  Banaji LASik Irrigation Cannula, 4 Ports, Curved, 25 Ga 122
1-0205  Bard Parker Handle, Flat, Length 125 mm, Stainless Steel 46

Backflush Handle

12-6000  Active Aspiration, Length 118 mm, Titanium 15,145
12-6010  Passive Aspiration, Length 108 mm, Titanium 15,145
11-1223  Barraquer Iris Scissors, Blunt Tips, 7.00 mm Blades, Flat Serrate Squeeze Action Handle with Polished Finish, Length 35 mm, Stainless Steel 99

Backflush Instrument

12-5162H  with Brush Tip, Disposable, 23 Ga, 6 per Box 152
12-5160H  with Brush Tip, Disposable, 25 Ga, 6 per Box 152
12-5167H  with Brush Tip, Disposable, 27 Ga, 6 per Box 152
12-5164H  with Charles Flute Tip, Disposable, 23 Ga, 6 per Box 152
12-5165H  with Charles Flute Tip, Disposable, 25 Ga, 6 per Box 152
12-5452H  with Charles Flute Tip, Disposable, 27 Ga, 6 per Box 152
12-5161H  with Soft Tip, Disposable, 23 Ga, 6 per Box 152
12-5152H  with Soft Tip, Disposable, 25 Ga, 6 per Box 152
12-5491H  with Soft Tip, Disposable, 27 Ga, 6 per Box 152
INDEX

APPENDICES

INDEX

Barraquer Needle Holder

Extra Fine Jaws

8-050T 8.00 mm, Curved, with Lock, Long Size, Length 125 mm, Titanium
8-024T 8.00 mm, Curved, with Lock, Small Size, Length 100 mm, Titanium
8-051T 8.00 mm, Curved, without Lock, Long Size, Length 125 mm, Titanium
8-05IS 8.00 mm, Curved, without Lock, Long Size, Length 125 mm, Stainless Steel
8-045T 8.00 mm, Curved, without Lock, Medium Size, Length 115 mm, Titanium
8-045S 8.00 mm, Curved, without Lock, Medium Size, Length 115 mm, Stainless Steel
8-025T 8.00 mm, Curved, without Lock, Small Size, Length 100 mm, Titanium

Fine Jaws

8-070T 12.00 mm, Curved, with Lock, Long Size, Length 125 mm, Titanium
8-040T 12.00 mm, Curved, with Lock, Medium Size, Length 115 mm, Titanium
8-040S 12.00 mm, Curved, with Lock, Medium Size, Length 115 mm, Stainless Steel
8-020T 12.00 mm, Curved, with Lock, Small Size, Length 100 mm, Titanium
8-071T 12.00 mm, Curved, without Lock, Long Size, Length 125 mm, Titanium
8-071S 12.00 mm, Curved, without Lock, Long Size, Length 125 mm, Stainless Steel
8-041T 12.00 mm, Curved, without Lock, Medium Size, Length 115 mm, Stainless Steel
8-041S 12.00 mm, Curved, without Lock, Medium Size, Length 115 mm, Stainless Steel
8-021T 12.00 mm, Curved, without Lock, Small Size, Length 100 mm, Titanium

Standard Jaws

8-060T 12.00 mm, Curved, with Lock, Long Size, Length 125 mm, Titanium
8-030T 12.00 mm, Curved, with Lock, Medium Size, Length 115 mm, Titanium
8-010T 12.00 mm, Curved, with Lock, Small Size, Length 100 mm, Titanium
8-061T 12.00 mm, Curved, without Lock, Long Size, Length 125 mm, Titanium
8-061T 12.00 mm, Curved, without Lock, Medium Size, Length 115 mm, Titanium
8-031S 12.00 mm, Curved, without Lock, Medium Size, Length 115 mm, Stainless Steel
8-011T 12.00 mm, Curved, without Lock, Small Size, Length 100 mm, Titanium
8-013T 12.00 mm, Straight, without Lock, Small Size, Length 100 mm, Titanium

Strong Jaws

8-090T 12.00 mm, Curved, with Lock, Long Size, Length 125 mm, Titanium
8-091T 12.00 mm, Curved, with Lock, Length 125 mm, Titanium
8-091S 12.00 mm, Curved, with Lock, Length 125 mm, Stainless Steel

Barraquer Speculum

Solid Blades

14-0231 Child Size, 11.00 mm Blades, Length 35 mm, Stainless Steel
14-0241S Newborn Size, 5.00 mm Blades, Length 28 mm, Stainless Steel
14-0221S Adult Size, 14.00 mm Blades, Length 40mm, Stainless Steel
14-0222S Premature Size, 4.00 mm Blades, Length 28 mm, Stainless Steel

Wire Blades

14-0287S Open 10.00 mm Blades, Child Size, Length 36 mm, Stainless Steel
14-024S Infant Size, 10.00 mm Blades, Length 38 mm, Stainless Steel
14-022S Adult Size, 14.00 mm Blades, Length 45 mm, Stainless Steel
14-022D Disposable, Adult Size, 6 per Box
14-023S Child Size, 11.00 mm Blades, Length 38 mm, Stainless Steel
14-0281S Fenestrated 11.00 mm Blades, Child Size, Length 36 mm, Stainless Steel
14-028S Fenestrated 14.00 mm Blades, Adult Size, Length 40 mm, Stainless Steel
14-0244S Newborn Size, 4.00 mm Blades, Length 25 mm, Stainless Steel
14-026S Child Size, Open 11.00 mm Blades, Length 40 mm, Stainless Steel
14-025S Adult Size, Open 14.00 mm Blades, Length 45 mm, Stainless Steel
14-0285S Adult Size, 14.00 mm Open Blades, Length 45 mm, Stainless Steel
14-0282S Adult Size, Round Open 14.00 mm Blades, Length 40 mm, Stainless Steel
5-034 Bechter Nucleus Rotator, Angled, “Y” Shaped Tip, Length 121 mm, Round Titanium Handle
5-034S Bechter Nucleus Rotator, Angled, “Y” Shaped Tip, Length 121 mm, Round Handle, Stainless Steel
10-091 Beehler Pupil Dilator with Plunger, Four Prongs, 17 Ga, Curved, Length 130 mm, Titanium Handle
10-083 Beehler Pupil Dilator, Four Prongs, Intraocular Handle, 17 Ga, Curved Shaft, Length 130 mm, Titanium Handle
16-138 Titanium Handle
13-147 Bicalo Guide, Blunt tip, Angled, Length 121 mm, Round Titanium Handle
15-055-19 Bishop-Harmon Anterior Chamber Cannula, 19 Ga x 25.00 mm, Angled, Spatulated
4-0607S Bishop-Harmon Suturing Forceps, 0.30 mm, 1x2 Teeth, 5.00 mm Tying Platform, Length 87 mm, Stainless Steel

1-010T Blade Holder, Round Handle, With End Lock, Length 95 mm, Titanium
4-2300T Bonaccoco Utility Forceps, Flat Handle, 15.00 mm Atraumatic Serrations, Length 100 mm, Titanium
4-2300S Bonaccoco Utility Forceps, Flat Handle, 15.00 mm Atraumatic Serrations, Length 100 mm, Stainless Steel
3-090T Bores Axis Marker, Length 123 mm, Titanium
3-091T Bores Axis Marker, Length 123 mm, Stainless Steel

Bowman Lacrimal Probe

9-010S Size 0000-000, Length 133 mm, Stainless Steel
9-011S Size 00-0, Length 133 mm, Stainless Steel
9-012S Size 1-2, Length 133 mm, Stainless Steel
INDEX

9-013S  Size 3-4, Length 133 mm, Stainless Steel 94
9-014S  Size 5-6, Length 133 mm, Stainless Steel 94
9-015S  Size 7-8, Length 133 mm, Stainless Steel 94
15-057  Bracken Flattened Anterior Chamber Cannula, 19 Ga x 23.00 mm 119

Braunstein Fixed Caliper
2-101T  3.00-3.50 mm, Length 80 mm, Titanium 47
2-100S  3.50-4.00 mm, Length 80 mm, Stainless Steel 47
2-100T  3.50-4.00 mm, Length 80 mm, Titanium 47

Brush Tip Backflush Cannula
12-5162  23 Ga, 5 per Box 153
12-5160  25 Ga, 5 per Box 153
12-5167  27 Ga, 5 per Box 153
13-1091-23 BRVO Knife, 23 Ga, Length 132 mm, Round Titanium Handle 144
16-062  Bunge Evacuation Spoon, Large, Length 141 mm, Round Titanium Handle 128
16-061  Bunge Evacuation Spoon, Small, Length 137 mm, Round Titanium Handle 128
15-379-25 Buratto LASIK Irrigation Cannula 25 Ga, 45° Angled Triport 122

C

15-450-27  Cannula for DALK Procedure, 0.2 mm port, 27 Ga 122

Capsulorhexis Forceps
4-0374  with Internal Ruler, 23 Ga, 2 Engravings, with Lock, Micro Jaws, Tip Only 58
4-0375  with Internal Ruler, 23 Ga, 6 Engraving, with Lock, Micro Jaws, Tip Only 58
4-0395  with Scale (2.50 mm, 5.00 mm from the Tip), Cross-Action, Curved Stainless Steel Jaws 34,57
4-0394  with Scale (2.50 mm, 5.00 mm from the Tip), Cross-Action, Curved Stainless Steel Jaws 34,57
4-0395S  with Scale (2.50 mm, 5.00 mm from the Tip), Cross-Action, Curved Stainless Steel Jaws 34,57
4-0395T  with Scale (2.50 mm, 5.00 mm from the Tip), Cross-Action, Curved Titanium Jaws 34,57
4-0396  with Scale (2.50 mm, 5.00 mm from the Tip), Cross-Action, Straight Stainless Steel Jaws 34,57
4-03791  with View Port, 23 Ga, 7 Engravings, Reduced Length, Gently Curved Tube, 59
Micro Jaws 0.80 mm, Tip Only
4-0391S  Inamura Style, Cross-Action, S-R, 10.00 mm Curved Jaws, Length 115 mm, Stainless Steel 56
4-0392S  Inamura Style, S-R, Cross-Action, 12.00 mm Curved Jaws, Length 117 mm, Stainless Steel 56
13-152S  Carlson DSEK Smoother, Angled Vented Shaft, Length 119 mm, Stainless Steel 106
4-2141T  Cartridge Loading Forceps, For Inserting IOL Into A, B, C, D Cartridges, Thin and Smooth Jaws, 68
Length 109 mm, Titanium

Cartridge for IOL Injector
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

Castroviejo
2-010S  Caliper, Measure 0-20 mm, Both Sides Scale, Length 87 mm, Stainless Steel 47
2-010T  Caliper, Measure 0-20 mm, Both Sides Scale, Length 87 mm, Titanium 47
4-0541T  Collibri Corneal Forceps, 0.12 mm, 2x Teeth, Flat Handle, Length 107 mm, Titanium 63
11-024S  Corneal Section Scissors, Left, 14.00 mm Blades, Lower Blade 0.50 mm Longer, Length 106 mm, Stainless Steel 97
11-024R  Corneal Section Scissors, Right, 14.00 mm Blades, Lower Blade 0.50 mm Longer, Length 106 mm, Stainless Steel 97
13-052  Cyclodialysis Spatula, 0.75 mm x 10 mm Blades, Length 124 mm 103
13-051  Cyclodialysis Spatula, 1.0 mm x 10 mm Blades, Length 124 mm 103
13-050  Double Ended Cyclodialysis Spatula, 0.50 mm Width, 10.00/15.00 mm Blades, Length 136 mm, Round Titanium Handle 103
9-060T  Double-Ended Lacrimal Dilator, Size 1 & 2, Length 100 mm, Titanium 94
9-060S  Double-Ended Lacrimal Dilator, Size 1 & 2, Length 100 mm, Stainless Steel 94
4-0822T  Fixation Forceps, 0.50 mm, 2x Teeth, without Tying Platform, Length 109 mm, Titanium 66

Corneal Scissors
11-010S  Corneal Scissors, Left, Curved Blunt Tips, 11.00 mm Blades, Length 100 mm, Stainless Steel 97
11-010S  Corneal Scissors, Right, Curved Blunt Tips, 11.00 mm Blades, Length 100 mm, Stainless Steel 97
11-012S  Universal Corneal Scissors, Blunt Tips, 11.00 mm Blades, Length 108 mm, Stainless Steel 97
11-011S  Universal Corneal Scissors, Small, Blunt Tips, 7.50 mm Blades, Length 102 mm, Stainless Steel 97
11-012D  Universal, Blunt Tips, Disposable, 6 per Box 31
11-015S  Curved Corneal Scissors, Medium, Blunt Tips, 16.00 mm Blades, Length 110 mm, Stainless Steel 97

Needle Holder
8-091T  Straight, with Lock, Delicate Jaws 13.50 mm, 122 mm Length, Titanium 92
8-091S  Delicate Jaws 13.50 mm, Straight, with Lock, Length 122 mm, Stainless Steel 95
8-096T  Delicate Jaws, Gripping Surface 8.00 mm, Curved, without Lock, Length 135 mm, Titanium 92
8-096S  Delicate Jaws, 8.00 mm, Curved, without Lock, Length 135 mm, Stainless Steel 92
8-100T  Standart Jaws, Gripping Surface 11.00 mm, Curved, with Lock, Length 140 mm, Titanium 92
8-100S  Standart Jaws, 11.00 mm, Curved, with Lock, Length 140 mm, Stainless Steel 92
### Index

#### 14-061T
Speculum, Flat Branches, Fenestrated 14.00 mm Blades, Adult Size, Length 85 mm, Titanium 114

#### Suturing Forceps

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-0600S</td>
<td>0.12 mm, 1x2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 110 mm, Stainless Steel</td>
<td>73</td>
</tr>
<tr>
<td>4-0600T</td>
<td>0.12 mm, 1x2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 110 mm, Titanium</td>
<td>73</td>
</tr>
<tr>
<td>4-0601S</td>
<td>0.30 mm, 1x2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 108 mm, Stainless Steel</td>
<td>73</td>
</tr>
<tr>
<td>4-0601T</td>
<td>0.30 mm, 1x2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 108 mm, Titanium</td>
<td>73</td>
</tr>
<tr>
<td>4-0602S</td>
<td>0.50 mm, 1x2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 108 mm, Stainless Steel</td>
<td>73</td>
</tr>
<tr>
<td>4-0602T</td>
<td>0.50 mm, 1x2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 108 mm, Titanium</td>
<td>73</td>
</tr>
<tr>
<td>4-060D</td>
<td>0.12 mm, Disposable, 6 per Box</td>
<td>30</td>
</tr>
</tbody>
</table>

#### Catalano

- 4-05ST: Corneal Forceps, 0.12 mm, 1x2 Teeth, Round Handle, Length 105 mm, Titanium | 63 |
- 4-055S: Corneal Forceps, 0.12 mm, 1x2 Teeth, Round Handle, Length 105 mm, Stainless Steel | 63 |
- 4-056T: Corneal Forceps, 0.30 mm, 1x2 Teeth, Round Handle, 5 mm Tying Platform, Length 105 mm, Titanium | 63 |
- 4-057T: Corneal Forceps, 0.50 mm, 1x2 Teeth, Round Handle, 5 mm Tying Platform, Length 105 mm, Titanium | 63 |
- 4-182T: Curved Micro Tying Forceps, 6.00 mm V-Groove Tying Platform, Length 106 mm, Titanium | 74 |

#### Charles

- 7-1271S: Chopper, Double Ended, LHD, Round Handle, Length 125 mm, Stainless Steel | 87 |
- 7-1275S: Chopper, Double Ended, RH, Round Handle, Length 125 mm, Stainless Steel | 87 |
- 15-0681: Nucleus Hydrodissector, 27 Ga x 16 mm | 120 |

#### Charles Flute Backflush Cannula

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-5164</td>
<td>23 Ga, 5 per Box</td>
<td>153</td>
</tr>
<tr>
<td>12-5156</td>
<td>25 Ga, 5 per Box</td>
<td>153</td>
</tr>
<tr>
<td>12-5492</td>
<td>27 Ga, 5 per Box</td>
<td>153</td>
</tr>
</tbody>
</table>

#### Cilia Forceps

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-042S</td>
<td>Narrow, Flat Handle, Length 86 mm, Stainless Steel</td>
<td>60</td>
</tr>
<tr>
<td>4-042T</td>
<td>Narrow, Flat Handle, Length 86 mm, Titanium</td>
<td>60</td>
</tr>
<tr>
<td>4-043T</td>
<td>Wide, Flat Handle, Length 85 mm, Titanium</td>
<td>60</td>
</tr>
</tbody>
</table>

#### Cindy Sweeper DSEK Spatula, Angled, Length 111 mm, Stainless Steel | 106 |

#### Claus Luczek Retinotomy Scissors With Bulbous Tip, 20 Ga, Tip Only | 140 |

#### Clayman-Vannas Swan Neck Straight Scissors, Sharp Tips, 5.00 mm Blades, Smooth Handle, Length 81 mm, Stainless Steel | 101 |

- 4-2143L: Coastal Angled ICL Loading Forceps, 20 Ga, Tip Only, Non-Rotatable | 70 |
| 8-120     | Coastal Needle Holder For IOL Suturing, Length 128 mm, Handle Titanium | 93 |

#### Colibri Corneal Forceps

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-050T</td>
<td>0.12 mm, 1x2 Teeth, Flat Handle, Length 84 mm, Titanium</td>
<td>62</td>
</tr>
<tr>
<td>4-050S</td>
<td>0.12 mm, 1x2 Teeth, Flat Handle, Length 84 mm, Stainless Steel</td>
<td>62</td>
</tr>
<tr>
<td>4-0501T</td>
<td>0.12 mm, 1x2 Teeth, Flat Handle, Length 77 mm, Titanium</td>
<td>62</td>
</tr>
<tr>
<td>4-0501S</td>
<td>0.12 mm, 1x2 Teeth, Flat Handle, Length 77 mm, Stainless Steel</td>
<td>62</td>
</tr>
<tr>
<td>4-054T</td>
<td>0.12 mm, 1x2 Teeth, 5.00 mm Tying Platform, Round Handle, Length 109 mm, Titanium</td>
<td>63</td>
</tr>
<tr>
<td>4-0540T</td>
<td>0.12 mm, 1x2 Teeth, 5.00 mm Tying Platform, Round Handle, Length 109 mm, Titanium</td>
<td>63</td>
</tr>
</tbody>
</table>

#### Colibri-Bonn Corneal Forceps

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-0503S</td>
<td>0.12 mm, 1x2 Teeth, Flat Handle, Length 84 mm, Stainless Steel</td>
<td>62</td>
</tr>
<tr>
<td>4-0504T</td>
<td>0.12 mm, 1x2 Teeth, Flat Handle, Length 77 mm, Titanium</td>
<td>62</td>
</tr>
<tr>
<td>4-0504S</td>
<td>0.12 mm, 1x2 Teeth, Flat Handle, Length 77 mm, Stainless Steel</td>
<td>62</td>
</tr>
<tr>
<td>4-053T</td>
<td>0.12 mm, 1x2 Teeth, 5.00 mm Platform, Flat Handle, Length 115 mm, Titanium</td>
<td>62</td>
</tr>
<tr>
<td>7-162S</td>
<td>Combo Prechopper For Sub-2.00 mm Coaxial Micro Phaco, Straight, Cross-Action, Max Opening 2.00 mm, Round Handle, Length 121 mm, Stainless Steel</td>
<td>84</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-161S</td>
<td>Combo Prechopper, Sharp &amp; Blunt Blades, Straight, Cross-Action, Max Opening 2.80 mm, Round Handle, Length 121 mm, Stainless Steel</td>
<td>84</td>
</tr>
<tr>
<td>4-1913T</td>
<td>Compressing Lid Forceps (MGD), Curved, Length 112 mm, Titanium</td>
<td>61</td>
</tr>
<tr>
<td>4-124S</td>
<td>Compressing Lid Forceps with Atraumatic Rollers, Length 107 mm, Stainless Steel</td>
<td>61</td>
</tr>
</tbody>
</table>

#### Corneal

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-138</td>
<td>Dissector, Curved, Length 127 mm, Round Titanium Handle</td>
<td>105</td>
</tr>
<tr>
<td>13-137</td>
<td>Dissector, Straight, Length 125 mm, Round Titanium Handle</td>
<td>105</td>
</tr>
<tr>
<td>4-2019T</td>
<td>Donor Insertion Forceps, Round Handle, Length 125 mm, Titanium</td>
<td>64</td>
</tr>
<tr>
<td>3-140T</td>
<td>Transplant Marker, 7.00/11.00 mm, Length 123 mm, Titanium</td>
<td>49</td>
</tr>
<tr>
<td>11-035S</td>
<td>Scissors, Blunt Tips, 11.00 mm Curved Blades, Round Handle, Length 112 mm, Stainless Steel</td>
<td>97</td>
</tr>
<tr>
<td>11-034S</td>
<td>Scissors, Blunt Tips, 7.50 mm Curved Blades, Round Handle, Length 110 mm, Stainless Steel</td>
<td>97</td>
</tr>
<tr>
<td>4-0551T</td>
<td>Straight Forceps, Bonn-Catalano Type, 0.12 mm, 1x2 Teeth, Round Handle, Length 105 mm, Stainless Steel</td>
<td>63</td>
</tr>
<tr>
<td>4-0551S</td>
<td>Straight Forceps, Bonn-Catalano Type, 0.12 mm, 1x2 Teeth, Round Handle, Length 105 mm, SS</td>
<td>63</td>
</tr>
<tr>
<td>4-0551D</td>
<td>Bonn-Catalano Forceps, 0.12 mm, Disposable, 6 per Box</td>
<td>30</td>
</tr>
<tr>
<td>4-059T</td>
<td>Bonn Forceps, Straight, 0.12 mm, 1x2 Teeth, Small Size, Flat Handle, Length 72 mm, Titanium</td>
<td>63</td>
</tr>
<tr>
<td>4-058T</td>
<td>Bonn Forceps, Straight, 0.12 mm, 1x2 Teeth, Medium Size, Flat Handle, Length 94 mm, Titanium</td>
<td>63</td>
</tr>
<tr>
<td>4-058S</td>
<td>Bonn Forceps, Straight, 0.12 mm, 1x2 Teeth, Medium Size, Length 94 mm, Stainless Steel</td>
<td>63</td>
</tr>
</tbody>
</table>

#### Corneal Trephine Blades

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-0300</td>
<td>6.00 mm Diameter</td>
<td>128</td>
</tr>
<tr>
<td>16-0301</td>
<td>6.50 mm Diameter</td>
<td>128</td>
</tr>
<tr>
<td>16-0303</td>
<td>7.00 mm Diameter</td>
<td>128</td>
</tr>
<tr>
<td>16-0305</td>
<td>7.50 mm Diameter</td>
<td>128</td>
</tr>
<tr>
<td>16-0306</td>
<td>7.75 mm Diameter</td>
<td>128</td>
</tr>
</tbody>
</table>
## INDEX

### Corneal Trephine Blades

<table>
<thead>
<tr>
<th>Code</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-0307</td>
<td>8.00 mm</td>
</tr>
<tr>
<td>16-0308</td>
<td>8.25 mm</td>
</tr>
<tr>
<td>16-0309</td>
<td>8.50 mm</td>
</tr>
<tr>
<td>16-0310</td>
<td>9.00 mm</td>
</tr>
<tr>
<td>16-0311</td>
<td>9.50 mm</td>
</tr>
<tr>
<td>12-304</td>
<td>Reusable, 20 Ga, Tip Only</td>
</tr>
<tr>
<td>12-304-23H</td>
<td>Reusable, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System</td>
</tr>
<tr>
<td>12-304-23H</td>
<td>Reusable, 25 Ga, Attached to a Universal Handle, with RUMEX Flushing System</td>
</tr>
<tr>
<td>12-304-23</td>
<td>Reusable, 23 Ga, Tip Only</td>
</tr>
<tr>
<td>12-304-25</td>
<td>Reusable, 25 Ga, Tip Only</td>
</tr>
<tr>
<td>12-304-23D</td>
<td>Disposable, 23 Ga, Stainless Steel, 6 per Box</td>
</tr>
<tr>
<td>12-304-25D</td>
<td>Disposable, 25 Ga, Stainless Steel, 6 per Box</td>
</tr>
<tr>
<td>12-304-23DP</td>
<td>Disposable, 23 Ga, Plastic Handle 360°, 6 per Box</td>
</tr>
<tr>
<td>12-304-25DP</td>
<td>Disposable, 25 Ga, Plastic Handle 360°, 6 per Box</td>
</tr>
<tr>
<td>12-304-27DP</td>
<td>Disposable, 27 Ga, Plastic Handle 360°, 6 per Box</td>
</tr>
<tr>
<td>4-0358</td>
<td>Cross-Action SMILE Forceps, Length 120 mm, Stainless Steel</td>
</tr>
<tr>
<td>7-1975</td>
<td>Crozafon Prechopper, Round Handle, Length 118 mm, Stainless Steel</td>
</tr>
</tbody>
</table>

### Crocodile Vitreoretinal Gripping Forceps

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-304</td>
<td>Reusable, 20 Ga, Tip Only</td>
</tr>
<tr>
<td>12-304-23H</td>
<td>Reusable, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System</td>
</tr>
<tr>
<td>12-304-25H</td>
<td>Reusable, 25 Ga, Attached to a Universal Handle, with RUMEX Flushing System</td>
</tr>
<tr>
<td>12-304-23</td>
<td>Reusable, 23 Ga, Tip Only</td>
</tr>
<tr>
<td>12-304-25</td>
<td>Reusable, 25 Ga, Tip Only</td>
</tr>
<tr>
<td>12-304-23D</td>
<td>Disposable, 23 Ga, Stainless Steel, 6 per Box</td>
</tr>
<tr>
<td>12-304-25D</td>
<td>Disposable, 25 Ga, Stainless Steel, 6 per Box</td>
</tr>
<tr>
<td>12-304-23DP</td>
<td>Disposable, 23 Ga, Plastic Handle 360°, 6 per Box</td>
</tr>
<tr>
<td>12-304-25DP</td>
<td>Disposable, 25 Ga, Plastic Handle 360°, 6 per Box</td>
</tr>
<tr>
<td>12-304-27DP</td>
<td>Disposable, 27 Ga, Plastic Handle 360°, 6 per Box</td>
</tr>
<tr>
<td>4-0358</td>
<td>Cross-Action SMILE Forceps, Length 120 mm, Stainless Steel</td>
</tr>
<tr>
<td>7-1975</td>
<td>Crozafon Prechopper, Round Handle, Length 118 mm, Stainless Steel</td>
</tr>
</tbody>
</table>

### Delicate Membrane Pick

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-097-23</td>
<td>23 Ga</td>
</tr>
<tr>
<td>13-097-25</td>
<td>25 Ga</td>
</tr>
<tr>
<td>13-097-27</td>
<td>27 Ga</td>
</tr>
</tbody>
</table>

### Desmarres Chalazion Forceps

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1906T</td>
<td>Large, 31.00 x 17.40 mm Platform, Length 96 mm, Titanium</td>
</tr>
<tr>
<td>4-1912T</td>
<td>Medium, 24.00 x 16.00 mm Platform, Length 92 mm, Titanium</td>
</tr>
<tr>
<td>4-1912S</td>
<td>Medium, 24.00 x 16.00 mm Platform, Length 92 mm, Stainless Steel</td>
</tr>
<tr>
<td>4-1907T</td>
<td>Small, 19.80 x 10.40 mm Platform, Length 50 mm, Titanium</td>
</tr>
<tr>
<td>4-1907S</td>
<td>Small, 19.80 x 10.40 mm Platform, Length 50 mm, Stainless Steel</td>
</tr>
</tbody>
</table>

### Desmarres Lid Retractor

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-020</td>
<td>Size 0, 11.00 mm, Length 130 mm, Round Titanium Handle</td>
</tr>
<tr>
<td>10-020S</td>
<td>Size 0, 11.00 mm, Length 130 mm, Round Handle, Stainless Steel</td>
</tr>
<tr>
<td>10-021</td>
<td>Size 1, 13.00 mm, Length 130 mm, Round Titanium Handle</td>
</tr>
<tr>
<td>10-021S</td>
<td>Size 1, 13.00 mm, Length 130 mm, Round Handle, Stainless Steel</td>
</tr>
<tr>
<td>10-022</td>
<td>Size 2, 15.00 mm, Length 130 mm, Round Titanium Handle</td>
</tr>
<tr>
<td>10-022S</td>
<td>Size 2, 15.00 mm, Length 130 mm, Round Handle, Stainless Steel</td>
</tr>
<tr>
<td>10-023</td>
<td>Size 3, 17.00 mm, Length 130 mm, Round Titanium Handle</td>
</tr>
<tr>
<td>10-023S</td>
<td>Size 3, 17.00 mm, Length 130 mm, Round Handle, Stainless Steel</td>
</tr>
</tbody>
</table>

### Diamond Knife

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-000/6-030</td>
<td>Arcuate Incision, 1.00/0.20 mm Tapered Blade</td>
</tr>
<tr>
<td>6-000/6-020</td>
<td>Astigmatic and Arcuate Keratotomy, 1.00 mm Blade</td>
</tr>
<tr>
<td>6-20/6-071</td>
<td>Glaucoma Knife</td>
</tr>
<tr>
<td>6-20/6-091</td>
<td>1.50 mm Round Crescent, Angled Handle</td>
</tr>
<tr>
<td>6-20/6-092</td>
<td>2.00 mm Round Crescent, Angled Handle</td>
</tr>
<tr>
<td>6-322/6-0531</td>
<td>LRI Knife</td>
</tr>
<tr>
<td>6-500/6-0531</td>
<td>Phaco Knife</td>
</tr>
<tr>
<td>6-20/6-071</td>
<td>2.50 mm Clear Cornea, Angled Handle</td>
</tr>
<tr>
<td>6-20/6-072</td>
<td>2.80 mm Clear Cornea, Angled Handle</td>
</tr>
<tr>
<td>6-20/6-073</td>
<td>3.00 mm Clear Cornea, Angled Handle</td>
</tr>
<tr>
<td>6-20/6-074</td>
<td>3.20 mm Clear Cornea, Angled Handle</td>
</tr>
<tr>
<td>6-20/6-075</td>
<td>2.20 mm Clear Cornea, Angled Handle</td>
</tr>
<tr>
<td>6-20/6-077</td>
<td>2.75 mm Clear Cornea, Angled Handle</td>
</tr>
<tr>
<td>6-20/6-078</td>
<td>2.70 mm Clear Cornea, Angled Handle</td>
</tr>
<tr>
<td>6-20/6-081</td>
<td>2.30 mm Clear Cornea, Angled Handle</td>
</tr>
<tr>
<td>6-20/6-100</td>
<td>1.90/2.50 mm Trapezoid Self-Diving, Angled Handle</td>
</tr>
<tr>
<td>6-20/6-101</td>
<td>2.70/3.20 mm Trapezoid Self-Diving, Angled Handle</td>
</tr>
</tbody>
</table>
### Appendixes

#### Index

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-20/6-102</td>
<td>3.00/3.50 mm Trapezoid Self-Diving, Angled Handle</td>
<td>80</td>
</tr>
<tr>
<td>6-20/6-104</td>
<td>2.30/2.80 mm Trapezoid Self-Diving, Angled Handle</td>
<td>80</td>
</tr>
<tr>
<td>6-20/6-105</td>
<td>2.60/3.00 mm Trapezoid Self-Diving, Angled Handle</td>
<td>80</td>
</tr>
<tr>
<td>6-20/6-107</td>
<td>2.00/2.30 mm Trapezoid Self-Diving, Angled Handle</td>
<td>80</td>
</tr>
<tr>
<td>6-10/6-050</td>
<td>45° Single Edge Blade, Straight Handle</td>
<td>79</td>
</tr>
<tr>
<td>6-10/6-0501</td>
<td>45° Single-Port Single Edge 0.60 mm, Straight Handle</td>
<td>79</td>
</tr>
<tr>
<td>6-10/6-051</td>
<td>30° Single Edge Blade, Angled Handle</td>
<td>79</td>
</tr>
<tr>
<td>6-10/6-052</td>
<td>45° Double Edge Blade, Straight Handle</td>
<td>79</td>
</tr>
<tr>
<td>6-10/6-053</td>
<td>Trifacet Blade, 1.00 mm, Straight, Length 110 mm, Titanium Handle</td>
<td>79</td>
</tr>
<tr>
<td>6-10/6-0531</td>
<td>20° Trifacet Blade 1.00 mm, Straight Handle</td>
<td>79</td>
</tr>
<tr>
<td>6-10/6-070</td>
<td>Lancet Blade, 1.00 mm, Straight, Length 110 mm, Titanium Handle</td>
<td>79</td>
</tr>
<tr>
<td>6-10/6-0701</td>
<td>Lancet Blade, 0.80 mm, Length 110 mm, Straight Titanium Handle</td>
<td>79</td>
</tr>
<tr>
<td>6-10/6-076</td>
<td>Brown-Osher Five Facet Blade, 1.00 mm</td>
<td>79</td>
</tr>
<tr>
<td>6-20/6-140</td>
<td>Trapezoid Self-Diving Blade, 1.50/1.00 mm, Length 130 mm, Angled Titanium</td>
<td>80</td>
</tr>
<tr>
<td>6-20/6-141</td>
<td>Handle Phakonit Diamond Knife, 0.80/1.20 mm, Angled</td>
<td>80</td>
</tr>
<tr>
<td>6-20/6-142</td>
<td>1.30/1.50 mm, Length 130 mm, Angled Titanium Handle</td>
<td>80</td>
</tr>
<tr>
<td>6-20/6-143</td>
<td>1.50/1.80 mm, Length 130 mm, Angled Titanium Handle</td>
<td>80</td>
</tr>
<tr>
<td>6-20/6-144</td>
<td>1.80/2.00 mm, Length 130 mm, Angled Titanium Handle</td>
<td>80</td>
</tr>
<tr>
<td>6-20/6-145</td>
<td>1.80/2.20 mm, Length 130 mm, Angled Titanium Handle</td>
<td>80</td>
</tr>
<tr>
<td>6-20/6-0551</td>
<td>Universal ICL Knife, 0.55/1.00 mm, Angled Handle</td>
<td>80</td>
</tr>
<tr>
<td>21-002-1</td>
<td>Diamond Knife Cleaning Pack</td>
<td>81</td>
</tr>
</tbody>
</table>

**"Diaconized"**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-303</td>
<td>Reusable, Angled Vitreoretinal Gripping Forceps, w/Sandblasted Platform, 20 Ga, Tip Only</td>
<td>143</td>
</tr>
<tr>
<td>12-301</td>
<td>Reusable, End-Gripping Vitreoretinal Forceps, w/Sandblasted Platform, 20 Ga, Tip Only</td>
<td>142</td>
</tr>
<tr>
<td>12-301-23</td>
<td>Reusable, End-Gripping Vitreoretinal Forceps, w/Sandblasted Platform, 23 Ga, Tip Only</td>
<td>142</td>
</tr>
<tr>
<td>12-301-23</td>
<td>Reusable, Straight Vitreoretinal Forceps, w/Sandblasted Platform, 23 Ga, Tip Only</td>
<td>142</td>
</tr>
<tr>
<td>12-301-23D</td>
<td>Disposable, Gripping Forceps, w/Sandblasted Platform, 23 Ga, 6 per Box</td>
<td>148</td>
</tr>
<tr>
<td>12-301-25D</td>
<td>Disposable, Gripping Forceps, w/Sandblasted Platform, 25 Ga, 6 per Box</td>
<td>148</td>
</tr>
<tr>
<td>12-301-23H</td>
<td>Reusable, Gripping Forceps, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System</td>
<td>147</td>
</tr>
<tr>
<td>12-301-23H</td>
<td>Reusable, Gripping Forceps, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System</td>
<td>147</td>
</tr>
<tr>
<td>12-7523</td>
<td>Diamond Dusted Retractable ILM Elevator, 23 Ga, Disposable, 5 per Box</td>
<td>149</td>
</tr>
<tr>
<td>12-7525</td>
<td>Diamond Dusted Retractable ILM Elevator, 25 Ga, Disposable, 5 per Box</td>
<td>149</td>
</tr>
</tbody>
</table>

**Disposable Knife**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCD-22</td>
<td>Clear Corneal Knife w/Depth Indicators, 2.20 mm, Angled, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>CCD-24</td>
<td>Clear Corneal Knife w/Depth Indicators, 2.40 mm, Angled, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>CCD-26</td>
<td>Clear Corneal Knife w/Depth Indicators, 2.65 mm, Angled, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>CCD-27</td>
<td>Clear Corneal Knife w/Depth Indicators, 2.75 mm, Angled, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>CC-22</td>
<td>2.20 mm, Angled, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>CC-24</td>
<td>2.40 mm, Angled, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>CC-26</td>
<td>2.65 mm, Angled, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>CC-27</td>
<td>2.75 mm, Angled, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>CC-30</td>
<td>3.00 mm, Angled, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>CR-20</td>
<td>Crescent, 2.00 mm, Angled, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>VRA-19</td>
<td>19 Ga, Angled, 6 per Box</td>
<td>20</td>
</tr>
<tr>
<td>VRS-19</td>
<td>19 Ga, Straight, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>VRA-20</td>
<td>20 Ga, Angled, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>VRS-20</td>
<td>20 Ga, Straight, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>VRA-23</td>
<td>23 Ga, Angled, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>VRS-23</td>
<td>23 Ga, Straight, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>PK-11</td>
<td>Paracentesis, 1.10 mm, Angled, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>PD-60</td>
<td>Pre-Set, 600 μm Depth, 6 per Box</td>
<td>20</td>
</tr>
<tr>
<td>SP-15</td>
<td>Side-Port Knife 1.00 mm, 15°, Straight, 6 per Box</td>
<td>21</td>
</tr>
<tr>
<td>SP-30</td>
<td>Side-Port Knife 1.00 mm, 30°, Straight, 6 per Box</td>
<td>20</td>
</tr>
<tr>
<td>SP-45</td>
<td>Side-Port Knife 1.00 mm, 45°, Straight, 6 per Box</td>
<td>20</td>
</tr>
<tr>
<td>SI-18</td>
<td>1.80 mm, Angled, 6 per Box</td>
<td>20</td>
</tr>
<tr>
<td>SI-22</td>
<td>2.20 mm, Angled, 6 per Box</td>
<td>20</td>
</tr>
<tr>
<td>SI-24</td>
<td>2.40 mm, Angled, 6 per Box</td>
<td>20</td>
</tr>
<tr>
<td>SI-26</td>
<td>2.65 mm, Angled, 6 per Box</td>
<td>20</td>
</tr>
<tr>
<td>SI-27</td>
<td>2.75 mm, Angled, 6 per Box</td>
<td>20</td>
</tr>
<tr>
<td>SI-28</td>
<td>2.80 mm, Angled, 6 per Box</td>
<td>20</td>
</tr>
<tr>
<td>SI-32</td>
<td>3.20 mm, Angled, 6 per Box</td>
<td>20</td>
</tr>
</tbody>
</table>
APPENDICES

INDEX

TAPEZOID KNIFE
TR-10 1.20-1.40 mm, Angled, 6 per Box 21
TR-17 1.50-1.70 mm, Angled, 6 per Box 21
13-172 Dissector for DALK Procedure, 12 mm Length, 122 mm 108
11-036S DLEK Scissors, Medium Curve, Long Blades, Length 102 mm, Stainless Steel 98
11-036S DLEK Scissors, Strong Curve, Long Blades, Length 102 mm, Stainless Steel 98
20-2041 Donnenfeld Femto Spatula, Length 122 mm, Round Titanium Handle 42.97
7-146 Donnenfeld Femto Splitter, angled shaft, curved tip, Length 121 mm, round titanium handle 88
10-034T Double Ended Orbital Globe Retractor-Elevator, 10.00/14.00 mm, Length 180 mm, Titanium 95
7-079 Double Phaco Spatula (Small Pupil Snapper Hook & Micro Finger), Length 142 mm, round titanium handle 86
13-032 Double Spatula, 0.30 mm and 0.50 mm wide, 12.00 mm Long, Length 134 mm, Round Titanium Handle 103
13-031 Double Spatula, 0.50 mm and 1.00 mm wide, 12.00 mm Long, Length 144 mm, Round Titanium Handle 103
13-031S Double Spatula, 0.30 mm and 1.00 mm wide, 12.00 mm Long, Length 144 mm, Round Handle, stainless steel 103

DRESSING FORCEPS
4-075S with serrations, 6.00 mm serrated tips, straight, round handle, Length 108 mm, stainless steel 65
4-072T with serrations, 12.00 mm serrated tips, curved, flat handle, length 100 mm, titanium 65
4-071S with serrations, 12.00 mm serrated tips, straight, flat handle, length 100 mm, stainless steel 65

DMEK FORCEPS
4-262S Cross-Action, Flat Handle, Length 110 mm, Stainless Steel 65
4-251 Cross-Action, Length 110 mm, Flat Titanium Handle 65
4-262 Cross-Action, Length 110 mm, Round Titanium Handle 65

DRYSDALE NUCLEUS MANIPULATOR
7-093I with capsule polisher tip, 121 mm 86
7-093 with regular tip, 121 mm 86
7-093D Disposable, 6 per Box 23
12-5203 Dual Bore PFC Cannula, 23 Ga, 5 per Box 152
12-5205 Dual Bore PFC Cannula, 25 Ga, 5 per Box 152

E

ECKARDT END-GRIPPING FORCEPS
12-410 Reusable, 20 Ga, Tip Only 141
12-410-23H Reusable, 23 Ga, Attached to a Universal Handle, with RUMEX flushing system 147
12-410-25H Reusable, 25 Ga, Attached to a Universal Handle, with RUMEX flushing system 147
12-410-23 Reusable, 23 Ga, Tip Only 141
12-410-25 Reusable, 25 Ga, Tip Only 141
12-410-27 Reusable, 27 Ga, Tip Only 141
12-410-23 Reusable, 23 Ga, Tip Only 141
12-410-25 Reusable, 25 Ga, Tip Only 141
12-410-27 Reusable, 27 Ga, Tip Only 141
12-410-23D Disposable, 23 Ga, Stainless Steel, 6 per Box 148
12-410-25D Disposable, 25 Ga, Stainless Steel, 6 per Box 148
12-410-23DP Disposable, 23 Ga, Plastic Handle 360°, 6 per Box 149
12-410-25DP Disposable, 25 Ga, Plastic Handle 360°, 6 per Box 149
12-410-27DP Disposable, 27 Ga, Plastic Handle 360°, 6 per Box 149
10-035 Elevator for ICRS Implantation, Straight Shaft, Length 123 mm, Round Titanium Handle 112
4-138T Elsching superior rectus forceps, 1x2 teeth, 0.50 mm, straight shafts, flat serrated handle, length 108 mm, titanium

END-GRIPPING FORCEPS
12-420-23H Reusable, asymmetrical, 23 Ga, attached to a universal handle, with rumex flushing system 147
12-420-25H Reusable, asymmetrical, 25 Ga, attached to a universal handle, with rumex flushing system 147
12-420-23 Reusable, asymmetrical, 23 Ga, tip only 141
12-420-25 Reusable, asymmetrical, 25 Ga, tip only 141
12-420-27 Reusable, asymmetrical, 27 Ga, tip only 141
12-420-23 Reusable, asymmetrical, prolonged branches for myopic eyes, 23 Ga, tip only 141
12-420-25D Disposable, asymmetrical, 23 Ga, stainless steel, 6 per box 148
12-420-25D Disposable, asymmetrical, 25 Ga, stainless steel, 6 per box 148
12-420-25D Disposable, asymmetrical, 25 Ga, stainless steel, 6 per box 148
12-420-25D Disposable, asymmetrical, 25 Ga, stainless steel, 6 per box 148
12-420-25D Disposable, asymmetrical, 25 Ga, stainless steel, 6 per box 148
12-420-25D Disposable, asymmetrical, 25 Ga, stainless steel, 6 per box 148
12-402 Reusable, with nail-shaped jaws, 20 Ga, tip only 142
12-402-23 Reusable, with nail-shaped jaws, 23 Ga, tip only 142
12-4089 Reusable, with nail-shaped jaws, 25 Ga, tip only 142
12-402-23H Reusable, with nail-shaped jaws, 23 Ga, attached to a universal handle, w/rumex flushing system 147
12-402-25H Reusable, with nail-shaped jaws, 25 Ga, attached to a universal handle, w/rumex flushing system 147
12-411-25H Reusable, tano asymmetrical, 25 Ga, attached to a universal handle, w/rumex flushing system 147
12-411-23H Reusable, tano asymmetrical, 23 Ga, attached to a universal handle, w/rumex flushing system 147
12-411 Reusable, tano asymmetrical, 20 Ga, tip only 141
12-411 Reusable, tano asymmetrical, 23 Ga, tip only 141
12-411 Reusable, tano asymmetrical, 25 Ga, tip only 141
13-139I Endothelial stripper, irrigating, for descemet's stripping, length 104 mm, titanium handle 105

ENUCLEATION SCISSORS
11-090S Curved, blunt tips, 38 mm blades from midscrew to tip, length 128 mm, stainless steel 102
11-091S Curved, blunt tips, 45 mm blades from midscrew to tip, length 130 mm, stainless steel 102
7-025T Ernest nucleus cracker, flat handle, length 106 mm, titanium 83
7-149S Escafe prechopper, straight, round handle, length 118 mm, stainless steel 84
## INDEX

### Eye Cautery

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-042</td>
<td>Electric, Disposable, Elongated Tip, 10 per Box</td>
<td>125</td>
</tr>
<tr>
<td>16-041</td>
<td>Electric, Disposable, Fine Tip, 10 per Box</td>
<td>125</td>
</tr>
</tbody>
</table>

### F

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-033</td>
<td>Fasanella Lacrimal Cannula, 23 Ga x 42 mm</td>
<td>123</td>
</tr>
<tr>
<td>4-2108S</td>
<td>Faulkner Lens Holding Forceps, Angled Shafts, Smooth Jaws, Length 105 mm, Stainless Steel</td>
<td>67</td>
</tr>
<tr>
<td>4-2301T</td>
<td>Fechtner Conjunctival Forceps, Delicate Ring Jaws, Flat Handle, Length 108 mm, Titanium</td>
<td>60</td>
</tr>
<tr>
<td>4-2301S</td>
<td>Fechtner Conjunctival Forceps, Delicate Ring Jaws, Flat Handle, Length 108 mm, Stainless Steel</td>
<td>60</td>
</tr>
<tr>
<td>20-202</td>
<td>FemtoLASIK Flap Spatula, Length 121 mm, Round Titanium Handle</td>
<td>11</td>
</tr>
<tr>
<td>20-201</td>
<td>FemtoLASIK Flap Spatula, Double Ended, Length 128 mm, Round Titanium Handle</td>
<td>11</td>
</tr>
<tr>
<td>5-036</td>
<td>Fenal Hook, Angled, Length 121 mm, Round Titanium Handle</td>
<td>77</td>
</tr>
<tr>
<td>7-1251</td>
<td>Fine Phacoont Quick Chopper, 0.50 mm Width, Angled, Length 120 mm, Round Titanium Handle</td>
<td>87</td>
</tr>
<tr>
<td>7-1251S</td>
<td>Fine Phacoont Quick Chopper, 0.50 mm Width, Angled, Length 120 mm, Round Titanium Handle</td>
<td>87</td>
</tr>
<tr>
<td>16-0341T</td>
<td>Fine Thornton Phaco Fixation Ring with Swivel, 3/4 Open 14.00 mm Diameter Ring with Teeth, Length 98 mm, Titanium</td>
<td>125</td>
</tr>
<tr>
<td>16-036T</td>
<td>Fine Thornton Phaco Fixation Ring with Swivel, 3/4 Open 13.00 mm Diameter Ring with Teeth, Length 96 mm, Titanium</td>
<td>125</td>
</tr>
<tr>
<td>16-036S</td>
<td>Fine Thornton Phaco Fixation Ring with Swivel, 3/4 Open 13.00 mm Diameter Ring with Teeth, Length 96 mm, Stainless Steel</td>
<td>125</td>
</tr>
<tr>
<td>4-0371S</td>
<td>Fine-iweda Capsulorhexis Forceps, 23 Ga, Tip Only</td>
<td>59</td>
</tr>
<tr>
<td>12-5188</td>
<td>Fixation Plate, Stainless Steel, 23/25 Ga</td>
<td>148</td>
</tr>
<tr>
<td>12-000T</td>
<td>Flushing Adapter for Vitreoretinal Tips</td>
<td>138</td>
</tr>
</tbody>
</table>

### Flieringa Rings

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-030-14</td>
<td>14.00 mm, 1 each</td>
<td>125</td>
</tr>
<tr>
<td>16-030-15</td>
<td>15.00 mm, 1 each</td>
<td>125</td>
</tr>
<tr>
<td>16-030-16</td>
<td>16.00 mm, 1 each</td>
<td>125</td>
</tr>
<tr>
<td>16-030-17</td>
<td>17.00 mm, 1 each</td>
<td>125</td>
</tr>
<tr>
<td>16-030-18</td>
<td>18.00 mm, 1 each</td>
<td>125</td>
</tr>
<tr>
<td>16-030-19</td>
<td>19.00 mm, 1 each</td>
<td>125</td>
</tr>
<tr>
<td>16-030-20</td>
<td>20.00 mm, 1 each</td>
<td>125</td>
</tr>
<tr>
<td>16-030-21</td>
<td>21.00 mm, 1 each</td>
<td>125</td>
</tr>
<tr>
<td>16-030-22</td>
<td>22.00 mm, 1 each</td>
<td>125</td>
</tr>
<tr>
<td>16-030-24</td>
<td>24.00 mm, 1 each</td>
<td>125</td>
</tr>
<tr>
<td>4-248S</td>
<td>Florakis Endothelial Forceps, Reversed Tips, Angled 75°</td>
<td>42,64</td>
</tr>
<tr>
<td>4-247S</td>
<td>Florakis Microinvasive Endothelial Forceps, 23 Ga, Tip Only</td>
<td>42,64</td>
</tr>
<tr>
<td>16-115</td>
<td>Flynn Scleral Depressor, for Depressing Pediatric Sclera, Length 100 mm, Round Titanium Handle</td>
<td>127</td>
</tr>
<tr>
<td>4-21741</td>
<td>Foldable Lens Removing Forceps, Length 114 mm, Squeeze Titanium Handle</td>
<td>68</td>
</tr>
<tr>
<td>4-034</td>
<td>Forceps for Corneal Endothelium Implantation, 23Ga, Tip Only</td>
<td>64</td>
</tr>
<tr>
<td>4-0582S</td>
<td>Forceps for Femtosecond Laser Cataract Procedure, Cross Action, Flat Handle, Length 108 mm, Stainless Steel</td>
<td>39,57</td>
</tr>
<tr>
<td>4-244T</td>
<td>Forceps for ICRS Implantation, with 1x1 Teeth, 0.30 mm Groove, Length 85 mm, Flat Handle, Titanium</td>
<td>62</td>
</tr>
<tr>
<td>7-077</td>
<td>Fukasaku Small Pupil Snapper Hook and Chopper, Length 121 mm, Round Titanium Handle</td>
<td>86</td>
</tr>
</tbody>
</table>

### G

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-060</td>
<td>Gass Retinal Detachment Hook, 13.00 mm Flat Hook, 1.50 x 0.70 mm Hole, Length 140 mm, Flat Titanium Handle</td>
<td>78</td>
</tr>
<tr>
<td>11-0581S</td>
<td>Angled, Sharp Tips, 10.00 mm Blades, Flat Handle, Length 84 mm, Stainless Steel</td>
<td>101</td>
</tr>
<tr>
<td>11-058S</td>
<td>Curved, Sharp Tips, 10.00 mm Blades, Flat Handle, Length 88 mm, Stainless Steel</td>
<td>101</td>
</tr>
<tr>
<td>11-056S</td>
<td>Straight, Sharp Tips, 10.00 mm Blades, Flat Handle, Length 88 mm, Stainless Steel</td>
<td>101</td>
</tr>
<tr>
<td>15-119</td>
<td>Gills I/A Cannula w/ Silicone Tubing, Side by Side Front Opening, 23/23 Ga</td>
<td>120</td>
</tr>
<tr>
<td>15-378R</td>
<td>Gimbels LASIK Fountain Cannula, Right, 25 Ga b 25.4 mm</td>
<td>122</td>
</tr>
<tr>
<td>15-067</td>
<td>Girard Anterior Chamber Maintainer, 23 Ga x 5.00 mm</td>
<td></td>
</tr>
</tbody>
</table>

### Gills-Vannas Capsulotomy Scissors

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-041</td>
<td>Size 1, 1.00x8.00 mm Hook, Length 135 mm, Flat Titanium Handle</td>
<td>77</td>
</tr>
<tr>
<td>5-041S</td>
<td>Size 1, 1.00x8.00 mm Hook, Length 135 mm, Flat Handle, Stainless Steel</td>
<td>77</td>
</tr>
<tr>
<td>5-042</td>
<td>Size 2, 1.50x10.00 mm Hook, Length 140 mm, Flat Titanium Handle</td>
<td>77</td>
</tr>
<tr>
<td>5-042S</td>
<td>Size 2, 1.50x10.00 mm Hook, Length 140 mm, Flat Handle, Stainless Steel</td>
<td>77</td>
</tr>
<tr>
<td>4-240</td>
<td>Guell DMEK Forceps, Angled Shafts, Highly Polished Broad Tips, Length 103 mm, Stainless Steel</td>
<td>64</td>
</tr>
</tbody>
</table>

### H

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-123S</td>
<td>Halsted Hemostatic Forceps, Curved, Long, Length 125 mm, Stainless Steel</td>
<td>72</td>
</tr>
<tr>
<td>4-122S</td>
<td>Halsted Hemostatic Forceps, Straight, Long, Length 125 mm, Stainless Steel</td>
<td>72</td>
</tr>
<tr>
<td>15-308T</td>
<td>Handle Microsurgical, Ti, Male-Female</td>
<td>123</td>
</tr>
<tr>
<td>15-307T</td>
<td>Handle Microsurgical, Ti, Male-Male</td>
<td>123</td>
</tr>
<tr>
<td>16-012S</td>
<td>Harms Trabeclulome, Left, 9 mm Long Pointed Tips with 3 mm Spread, Length 51 mm, Stainless Steel</td>
<td>128</td>
</tr>
<tr>
<td>16-013S</td>
<td>Harms Trabeclulome, Right, 9 mm Long Pointed Tips with 3 mm Spread, Length 51 mm, Stainless Steel</td>
<td>128</td>
</tr>
<tr>
<td>4-121S</td>
<td>Hartman Hemostatic Mosquito Forceps, Curved, Serrated Jaws, Length 90 mm, Ring Handle, Stainless Steel</td>
<td>72</td>
</tr>
<tr>
<td>4-120S</td>
<td>Hartman Hemostatic Mosquito Forceps, Straight, Serrated Jaws, Length 90 mm, Ring Handle, Stainless Steel</td>
<td>72</td>
</tr>
<tr>
<td>7-1071</td>
<td>He Phaco Chopper, LHD, 45° Angled, Wedge Shaped, Length 120 mm, Round Titanium Handle</td>
<td>87</td>
</tr>
<tr>
<td>7-1061</td>
<td>He Phaco Chopper, RHD, 45° Angled, Wedge Shaped, Length 120 mm, Round Titanium Handle</td>
<td>87</td>
</tr>
</tbody>
</table>
INDEX

20-001  Hockey Epithelium Removal Knife, Length 128 mm, Round Titanium Handle 109
20-001S Hockey Epithelium Removal Knife, Length 128 mm, Round Handle, Stainless Steel 109

Hoffer Optical Zone Marker, With Cross Hairs
3-021T  5.00mm, Length 130 mm, Titanium 50
3-0212T  5.50mm, Length 130 mm, Titanium 50
3-0213T  6.00mm, Length 130 mm, Titanium 50
3-0215T  7.00mm, Length 130 mm, Titanium 50
3-0216T  7.50mm, Length 130 mm, Titanium 50
3-0217T  8.00mm, Length 130 mm, Titanium 50
3-0218T  8.50mm, Length 130 mm, Titanium 50
3-0219T  9.00mm, Length 130 mm, Titanium 50
3-0220T  9.50mm, Length 130 mm, Titanium 50

11-135  Holland Spatulated DALK Scissors, Left, Micro Blades, Delicate Shortened Outer Blade Rounded Blunt Tips, Length 100 mm, Stainless Steel 98
11-134  Holland Spatulated DALK Scissors, Right, Micro Blades, Delicate Shortened Outer Blade Rounded Blunt Tips, Length 100 mm, Stainless Steel 98
7-142  Holz Capsule Polisher, Angled Shaft, Texturized Bottom and Sharpened Ridge at the Top for Delicate Polishing, Length 123 mm, Round Titanium Handle 89

Angled Horizontal Vitreoretinal Scissors
12-206  Reusable, 55°, 20 Ga, Tip Only 140
12-2084 Reusable, 45°, Regular Blades W/ Illumination, 20 Ga, Tip Only 140
12-2085 Reusable, 5°, Short Blades, 20 Ga, Tip Only 140
4-05025 Hoskin Type Collor Forceps, Pierced Tips, Flat Handle, Length 84 mm, Stainless Steel 62

Hydrophilic IOLs
IOLs  Hydro-4 Aspheric 14
IOLS  Hydro-Sense Aspheric 14
IOLS  Hydro-Sense Aspheric Yellow 14

Hydrophobic IOLs
IOLS  AquaFree Yellow Aspheric Hydrophobic 13
IOLS  AquaFree Yellow Aspheric Hydrophobic Preloaded 13

Hydrodissector
21-R4027 Flattened, Angled 10.00 mm, 27 Ga x 7/8 in (0.40 x 22.00 mm), 10 per Box 29
21-R4427 Round End, Angled 10.00 mm, 27 Ga x 7/8 in (0.40 x 22.00 mm), 10 per Box 29
21-R4025 Pearce, Flattened, Angled 8.00 mm, 25 Ga x 7/8 in (0.50 x 22.00 mm), 10 per Box 29

I/A Tip
7-080/45  I/A Tip, Angled 45°, Stainless Steel 90
7-080/90  I/A Tip, Angled 90°, Stainless Steel 90
7-080/BC  I/A Tip, Binkhorst, Stainless Steel 90
7-080/20  I/A Tip, Thornton, 20° Angled, Stainless Steel 90
7-080/ST  I/A Tip, Straight, Stainless Steel 90
7-080/SIM  I/A Tip, Simcoe, Stainless Steel 90
4-20111S ICL Cartridge Loading Forceps, Angled 30° Long Jaws, Round Handle, Length 120 mm, Stainless Steel 70
4-20111T ICL Cartridge Loading Forceps, Angled 30° Long Jaws, Round Handle, Length 120 mm, Titanium 70
4-03761 Ikeda Micro Capsulorhexis Forceps, 23 Ga, Tip Only 59
7-11651S Inamura Eagle Prechopper, Straight, Cross Action, Max Opening 1.80 mm, Round Handle, Length 121 mm, Stainless Steel 84
7-11655S Inamura Eagle Prechopper, Straight, Cross Action, Max Opening 2.80 mm, Round Handle, Length 121 mm, Stainless Steel 84
12-026  Infusion Cannula 6.0 mm, Reusable, 1 piece 152
8-1025  Ing’s Needle Holder/Scissors, Straight, Used to Cut Suture Only, 15.00 mm Jaws, Length 105 mm, Stainless Steel 92
16-253  Injector for Capsular Ring with Irrigation, Length 162 mm, Titanium Handle 125
12-5187  Instrument Cannula Inserter, 23 Ga, 1 Per box 152

Intraocular
7-075  Manipulator With Ball Tip, Angled, 0.50 mm Ball Tip, Length 121 mm, Round Titanium Handle 86
7-074  Manipulator With Ball Tip, Straight, 0.50 mm Ball Tip, Length 123 mm-Round Titanium Handle 86
8-1211-23 Needle Holder, 23 Ga, Tip Only 52
4-1891  Tying Forceps, 23 Ga, Tip Only 75
4-2145  IOL Grasping Forceps, 21 Ga, Tip Only 70

IOLs - Hydrophilic
IOLS  Hydro-4 Aspheric 14
IOLS  Hydro-Sense Aspheric 14
IOLS  Hydro-Sense Aspheric Yellow 14

IOLs - Hydrophobic
IOLS  AquaFree Yellow Aspheric Hydrophobic 13
IOLS  AquaFree Yellow Aspheric Hydrophobic Preloaded 13

IOL Injector
VE2200 Disposable Viscoat eco Injector for 2.2 mm incisions 15
16-2806 Reusable, for A, B, C Cartridges w/Plunger Mechanism, Length 236 mm, Ring Titanium Handle 125
16-2807 Reusable, for D Cartridge w/Plunger Mechanism, Length 212 mm, Titanium Handle 126
INDEX

16-2808 Iris Forceps Reusable, for D cartridge, w/Plunger Mechanism, Length 236 mm, Ring Titanium Handle 125
16-2853 Iris Retractors Iris Retractors 37, 126
4-1025 Iris Forcet 1x2 Teeth, Curved, Flat Serrated Handle, Length 72 mm, Stainless Steel 71
4-1015 Iris Scissors Iris Scissors 71
4-1005 Iris Reusable, 1 pack of 6 pcs (6 retractors) 71
10-5061 Iris Retractors Disposable, 1 pack of 4 pcs (4 retractors) 96
10-5067-1 Iris Retractors Disposable, 1 pack of 5 pcs (5 retractors) 96
10-5127 Iris Scissors Reusable, for Acrylic IOLs, NaviJect™ w/Ring Handle, Length 136 mm 78
5-200 Iris Scissors Iris Hook, 1.00 mm, Angled, Length 121 mm, Round Titanium Handle 78
11-0815 Iris Scissors Iris Scissors 98
11-0805 Iris Scissors Straight, Sharp Tips, 28.00 mm Blades, Ring Handle, Length 115 mm, Stainless Steel 98
Irrigating Cannula 15-049-30 Irrigating Cannula Straight Blunt Tip, 30 Ga x 25.00 mm, Polished 119
15-049-23 Irrigating Cannula Straight Blunt Tip, 23 Ga x 25.00 mm, Polished 119
21-5307 Irrigating Cystotome Irrigating Cystotome 35
21-5330 Short Curve, 30 Ga x 5/8 in (0.30 x 16.00 mm), 10 per Box 35
Irrigation Handpiece for Bimanual Technique 7-081 Irrigation-Aspiration Handpiece, Standard connectors, Round Handle, Length 110 mm, Titanium Handle 90
7-0813 Irrigation Handpiece for Bimanual Technique Curved, 21 Ga, Two Ports on Side 0.35 mm, Length 104 mm, Titanium Handle 90
7-081-23 Irrigation Handpiece for Bimanual Technique Curved, 23 Ga, Two Ports on Side 0.35 mm, Length 104 mm, Titanium Handle 90
7-081-23 Irrigation Handpiece for Bimanual Technique Curved, 23 Ga, Two Ports on Side 0.50 x 1.00 mm, Length 105 mm, Titanium Handle 91
7-080/IHJ Irrigation-Aspiration Handpiece, Standard connectors, Round Handle, Length 110 mm, Titanium Handle 90
15-1149R J Shaped I/A Cannula Right, Regular, 23/23 Ga Jameson 120
4-1305J Muscle Forceps, Left, 6 teeth, Slide Lock, Length 100 mm, Stainless Steel 72
4-1315J Muscle Forceps, Right, 6 teeth, Slide Lock, Length 100 mm, Stainless Steel 72
5-0401 Muscle Hook, 1.50 mm Bulbous Tip, 8.00 mm Flat Hook, Length 128 mm, Flat Titanium Handle 77
5-0402 Muscle Hook, 2.00 mm Bulbous Tip, 9.50 mm Flat Hook, Length 135 mm, Round Titanium Handle 77
5-0403 Muscle Hook, 2.00 mm Bulbous Tip, 9.50 mm Flat Hook, Length 135 mm, Round Handle, Stainless Steel 77
15-1067 Jaymce Anterior Chamber Maintainer, Bulbous Tip, 20 Ga x 4.00 mm from Tip 119
15-159-25 Jensen Capsule Polisher, Curved, Olive Tip, 25 Ga x 28.00 mm, All Around Sandblasted 121
15-159-27 Jensen Capsule Polisher, Curved, Olive Tip, 27 Ga x 28.00 mm, All Around Sandblasted 121
15-159-27 Jensen Capsule Polisher, Curved, Olive Tip, 27 Ga x 28.00 mm, All Around Sandblasted 121
Jeweler Forceps 4-113T # 3, Straight, Length 110 mm, Titanium 71
4-111T # 5, Straight, Length 110 mm, Titanium 71
4-115T # 7, Curved, Length 110 mm, Titanium 71
John 13-182 Dextome DMEKD/SAEK Spatula, Strongly Vaulted Shaft, Length 119 mm, Round Titanium Handle 107
13-1491 DSAEK Descemet's Stripper, "T" Shape, Length 121 mm, Round Titanium Handle 107
13-184 DSAEK Gilder, Length 114 mm, Round Titanium Handle 107
13-183 DSAEK Stromal Scrubber, Strongly Vaulted Shaft, Length 120 mm, Round Titanium Handle 107
Kall Needle Holder, Standard Straight 10.50 mm Jaws, Length 135 mm, Titanium 92
7-0201T Kansas-Alfonso Nucleus Fragment Removing Forceps, with Teeth, Flat Handle, Length 107 mm, Titanium 83
11-0205 Katzin Corneal Transplant Scissors, Left, Blunt Tips, Strongly Curved, Length 100 mm, Stainless Steel 97
11-0201S Katzin Corneal Transplant Scissors, Right, Blunt Tips, Strongly Curved, Length 100 mm, Stainless Steel 97
4-03771 Kawai Capsulorhexis Forceps, 23/25 Ga, Tip Only 59
12-415 Kawai ILM Forceps, Reusable, 25 Ga, Tip Only 141
16-011 Kelly Descemet's Membrane Punch, 0.75 mm Diameter, Length 131 mm, Serrated Titanium Handle 126
16-011S Kelly Descemet's Membrane Punch, 0.75 mm Diameter, Length 131 mm, Serrated Handle, Stainless Steel 126
15-025 Kelman Sharp Irrigating Cystotome, 25 Ga x 32.00 mm 121
Kelman-McPherson Tying Forceps 4-092S Angled Shafts, With 10.00 mm TYing Platforms, Length 86 mm, Stainless Steel 74
4-092T Angled Shafts, With 10.00 mm TYing Platform, Length 86 mm, Titanium 74
4-090T Angled Shafts, With 4.00 mm TYing Platform, Length 81 mm, Titanium 74
4-091S Angled Shafts, With 8.00 mm TYing Platform, Length 84 mm, Stainless Steel 74
16-136 Kerrison Rousher, Size 0, 3.00 mm Wide, 9.00 mm Opening, Polished, Finish, Length 140 mm, Stainless Steel 127
Kershner Capsulorhexis Forceps 4-03731 Cystotome Tips, 23 Ga, With Lock, Tip Only 58
4-03741 Micro Jaws, Cystotome Tips, 23 Ga, with Lock, Tip Only 58
Reversible Speculum 14-0601T 14.00 mm Solid Blades, Flat Branches, Length 70 mm, Titanium 114
14-0601S 14.00 mm Solid Blades, Flat Branches, Length 70 mm, Stainless Steel 114
INDEX

14-060 T  14.00 mm Solid Blades, Round Branches, Length 70 mm, Titanium 114
14-060 S  14.00 mm Solid Blades, Round Branches, Length 70 mm, Stainless Steel 114
14-060A  with Aspiration, Adult Size, 14 mm Solid Blades, Length 70 mm 113
14-062 T  14.00 mm Fenestrated Blades, Flat Branches, Length 70 mm, Titanium 114

Knapp
11-101 S  Curved Strabismus Scissors, Ring Handle, Length 115 mm, Stainless Steel 99
11-100 S  Straight Strabismus Scissors, Ring Handle, Length 115 mm, Stainless Steel 99
10-014  Lacrimal Sac Retractor, Blunt 4x8 mm Four Prongs Tip 95
10-014 S  Lacrimal Sac Retractor, Blunt 4x8 mm Four Prongs Tip, Stainless Steel 95
15-183  Kroll-Pearce Irrigating Vests, 23 Ga, 3 Irrigating Ports 120
7-070  Koch Nuclear Spatula, Curved, Duck Bill Tips with Notches, Length 122 mm, Round Titanium Handle 86
15-165-23  Kratz Capsule Polisher, 23 Ga x 22.00 mm, 0.30 mm Top-Port 121

Kuglen Iris Hook
5-030  Angled, "H" Shaped Tip, Length 122 mm, Round Titanium Handle 76
5-030 S  Angled, "H" Shaped Tip, Length 122 mm, Round Handle, Stainless Steel 76
5-030D  Angled, Disposable, 6 per Box 23
5-0301  Straight, "H" Shaped Tip, Length 124 mm, Round Titanium Handle 76

L

Lacrimal Cannula
21-R7021  21 Ga x (0.80 mm x 33.00 mm), 10 per Box 30
21-R7026  26 Ga x (0.45mm x 28.00 mm), 10 per Box 30
15-027  Reinforced, Straight, 23 Ga x 32.00 mm 123
15-029  Reinforced, Curved, 23 Ga x 32.00 mm 123

Lacrimal Intubation Set
21-R7001  23 Ga x 7.00 in (0.60 x 175.00 mm), 30.00 cm Silicone Tubing, 3 per Box 30
21-R7004  27 Ga x 11.00 cm Probe, Olive Tip, 3 per Box 30
21-R7004RD  27 Ga, with Retrieval Device, Olive Tip, 11.00 cm Probe, 3 per Box 30
21-R7002  Lacrimal Intubation Tubing, 30 cm, 3 per Box 30

Lambert
4-1909 T  Chalazion Forceps, Medium, 12.00 mm Diameter, Length 97 mm, Titanium 60
4-1909 S  Chalazion Forceps, Medium, 12.00 mm Diameter, Length 97 mm, Stainless Steel 60
4-1908 T  Chalazion Forceps, Small, 8.00 mm Diameter, Length 92 mm, Titanium 60
4-1908 S  Chalazion Forceps, Small, 8.00 mm Diameter, Length 92 mm, Stainless Steel 60
14-045 T  Lancaster Eye Speculum, Adjustable Mechanism with Locking Nut, 16.00 mm Solid Blades, Length 67 mm, 37,114 Titanium

LASIK
20-121  8.00 mm Trephine/8.50 mm Funnel, Depth of the Incision 70 mkm, Length 142 mm, Round Titanium Handle 134
20-122  9.00 mm Trephine/9.50 mm Funnel, Depth of the Incision 70 mkm, Length 142 mm, Round Titanium Handle 134
20-131  Epithelial Micro Hoe, Length 120 mm, Round Titanium Handle 132
20-1031T  Funnel 8.50 mm, Length 129 mm, Titanium 134
20-1041T  Funnel 9.50 mm, Length 129 mm, Titanium 134
20-1011T  Knife, Length 128 mm, Round Titanium Handle 132
20-1011F  Trephine 8.00 mm, Preset Depth 70 Microns, Length 128 mm, Round Titanium Handle 134
20-1021F  Trephine 9.00 mm, Preset Depth 70 Microns, Length 128 mm, Round Titanium Handle 134

LASEK
4-2206 T  Flap Forceps, Curved, Length 108 mm, Titanium 61
3-176 T  Flap Marker, 3 Marking Lines, Optical Zone 8.00 mm, Length 130 mm, Titanium 51
21-R7430  Irrigating Cannula (Lindstrom), 25 Ga, 3 Ports, Angled 7.00 mm Bend to Tip, 10 per Box 30
20-013  Spatula and Flap Retreatment Instrument, Double-Ended, Length 133 mm, Round Titanium Handle 109
3-174 T  Lavery Marker, Optical Zone 8.50 mm, Round Handle, Length 130 mm, Titanium 51
4-0374 T  Lesieur Capsulorhexis Forceps with Internal Ruler, 23 Ga, 7 Engravings, Reduced Length, Gentle Curved Tube, 58

Lesieur Capsulorhexis Forceps, Internal Ruler, 23 Ga, 7 Engravings, Reduced Length, Gentle Curved Tube, Micro Jaws, Tip Only 58

8-0634 I  Lesieur Hydrocutter, 20 Ga, Round Handle, Length 105 mm, Titanium Handle 89

N

Lester
4-0832 S  Fixation Forceps, Straight, 2x3 Teeth, Length 105 mm, Stainless Steel 66
5-0331  Lens Manipulator, Straight, 0.20 mm Hourglass-Shaped Tip, Length 122 mm, Round Titanium Handle 77
5-0331S  Lens Manipulator, Straight, 0.20 mm Hourglass-Shaped Tip, Length 122 mm, Round Handle, Stainless Steel 77
5-033  Lens Manipulator, Straight, 0.20 mm Hourglass-Shaped Tip, Length 124 mm, Round Titanium Handle 77
5-033D  Lens Manipulator, Angled, Disposable, 6 per Box 23
15-065  Leswick Anterior Chamber Maintainer, 20 Ga x 3.50 mm Cannula 119
5-021  Leswick Hook, Angled, 0.15 mm x 10.00 mm Shaft, Length 120 mm, Round Titanium Handle 76
16-505  Lid Plate, 20.00 mm and 24.00 mm Wide, Length 110 mm, Stainless Steel 126
16-507  Lid Plate, 20.00 mm and 24.00 mm Wide, Length 110 mm, Titanium 126

Lieberman
14-081LA  with Aspiration, Adult Size, 14.00 mm Rounded Open Blades, Specially Designed for LASIK, Length 75 mm 113
14-0411T  14.00 mm "V" Shaped Blades, Flat Branches, Adult Size, Length 76 mm, Titanium 116
14-0431T  10.00 mm "V" Shaped Blades, Flat Branches, Child Size, Length 76 mm, Titanium 116
14-041TL  14.00 mm Rounded Open Blades, Flat Branches, Specially Designed For LASIK, Length 70 mm, Titanium 116
14-041T  14.00 mm "V" Shaped Blades, Round Branches, Adult Size, Length 76 mm, Titanium 116
INDEX

14-043T 10.00 mm "V" Shaped Blades, Round Branches, Child Size, Length 76 mm, Titanium
14-044TK 14.00 mm Kratz Style Blades, Round Branches, Length 76 mm, Titanium

Temporal Speculum
14-082A with Aspiration, Child Size, 10.00 mm "V" Shaped Blades, Length 64 mm
14-080A with Aspiration, Adult Size, 14.00 mm "V" Shaped Blades, Length 78 mm

14-040IT 14.00 mm "V" Shaped Blades, Flat Branches, Adult Size, Length 76 mm, Stainless Steel
14-040IS 14.00 mm "V" Shaped Blades, Flat Branches, Adult Size, Length 76 mm, Titanium

14-040ITK 14.00 mm Kratz Style Blades, Flat Branches, Adult Size, Length 76 mm, Stainless Steel
14-040ITL 14.00 mm Round Open Blades, Flat Branches, Specially Designed For LASIK, Length 76 mm, Titanium

14-040DT 14.00 mm "V" Shaped Blades, Round Branches, Adult Size, Length 71 mm, Titanium
14-040S 14.00 mm "V" Shaped Blades, Round Branches, Child Size, Length 71 mm, Stainless Steel
14-042T 10.00 mm "V" Shaped Blades, Round Branches, Child Size, Length 71 mm, Titanium

14-042S 10.00 mm "V" Shaped Blades, Round Branches, Child Size, Length 71 mm, Stainless Steel
14-040TL 14.00 mm Round Open Blades, Round Branches, Specially Designed For LASIK, Length 71 mm, Titanium
14-040TK 14.00 mm Kratz Style Blades, Round Branches, Adult Size, Length 71 mm, Titanium

14-080LA with Aspiration, Adult Size, 14.00 mm Round Open Blades, Specially Designed for LASIK, Length 78 mm

20-002 Lindstrom LASIK/PRK Spatula And Epithelium Removal Board, Length 148 mm, Round Titanium Handle
12-518S Loading Forceps, 23/25 Ga, Length 116 mm, Titanium

LRI
2-031T Gauge, with Atraumatic Fixation Teeth, 13.00/19.00 mm Diameters, Length 134 mm, Titanium
3-190T Axis Marker, Pre-Op Reference Marker, Horizontal Axis 3’ and 9’, Length 120 mm, Titanium
3-1801 Marker, 40-60-80 Degrees, with Degree Gauges, Length 130 mm, Titanium
3-191 Slit Lamp Gravity Marker, Pre-Op, 14.00 mm, Horizontal Axis 3’ and 9’, Length 138 mm, Titanium

Round Titanium Handle, Stainless Steel Gravity System
3-192 Lume Gravity Axis Marker, Pre-Op, 14.00 mm, Angled, Horizontal Axis 3’ and 9’, Length 140 mm, Titanium

Round Titanium Handle, Stainless Steel Gravity System
12-3044 Lucke Multipurpose Forceps, Reusable, 20 Ga, Tip Only

M
4-2113S MacDonald Style Inserting Forceps, Cross Action, Length 107 mm, Stainless Steel
16-020T Maloney Intraoperative Keratometer, Titanium
13-160 Manipulator for DLEK Procedure, Z-hook w/Blunt Tip, Length 120 mm, Round Titanium Handle
20-050 McPherson Anterior Chamber Maintainer, Angled, 26 Ga
15-061-26 Marking Pen, Double-Ended, Disposable, 10 per Box
15-079L McPherson-Binkhorst Cannula, 26 Ga, Left

McPherson Tying Forceps

Angled
4-175T 10.00 mm Tying Platform, Length 104 mm, Titanium
4-175S 10.00 mm Tying Platform, Length 104 mm, Stainless Steel
4-176T 12.00 mm Tying Platform, Length 106 mm, Titanium
4-176S 12.00 mm Tying Platform, Length 106 mm, Stainless Steel
4-173S 6.00 mm Tying Platform, Length 102 mm, Titanium
4-173T 6.00 mm Tying Platform, Length 102 mm, Stainless Steel
4-174T 8.00 mm Tying Platform, Length 103 mm, Titanium
4-174S 8.00 mm Tying Platform, Length 103 mm, Stainless Steel
4-174D Disposable, Angled, 6 Per Box

Curved
4-177S 4.00 mm Tying Platform, Length 109 mm, Stainless Steel
4-177T 4.00 mm Tying Platform, Length 109 mm, Titanium
4-177D Disposable, 6 Per Box

Straight
4-171T 4.00 mm Tying Platform, Length 84 mm, Stainless Steel
4-171S 4.00 mm Tying Platform, Length 84 mm, Titanium
4-178S 7.00 mm Tying Platform, Length 110 mm, Stainless Steel

11-062S McPherson-Vannas Curved Iris Scissors, Sharp Tips, 8.00 mm Blades, Round Handle, Length 85 mm, Stainless Steel

13-154T Melles DSAEK PK Scraper, Style 1, 45° Angle, Length 125 mm, Titanium
13-155T Melles DSAEK PK Scraper, Style 2, 90° Angle, Length 125 mm, Titanium
13-092 Membrane Scratcher, 20 Ga, Length 135 mm, Round Titanium Handle

Mendez Degree Gauge
2-030T Round Handle, Length 134 mm, Titanium
2-030S Round Handle, Length 134 mm, Stainless Steel
2-034T with 4 Grooves, 12.00/14.00 mm Diameters, Length 120 mm, Titanium
2-0331T with 4 Grooves, 13.00/16.50 mm Diameters, Length 122 mm, Titanium
2-033T with 4 Grooves, 13.00/18.00 mm Diameters, Length 136 mm, Titanium

Meyerhoefer Chalazion Curette
16-063 Size 0.1-5.0 mm, Length 135 mm, Round Titanium Handle
16-063S Size 0.1-5.0 mm, Length 135 mm, Round Handle, Stainless Steel
16-064 Size 1.75 mm, Length 135 mm, Round Titanium Handle
16-064S Size 1.75 mm, Length 135 mm, Round Handle, Stainless Steel
INDEX

16-065  Size 2-2.00 mm, Length 135 mm, Round Titanium Handle 127
16-065S Size 2-2.00 mm, Length 135 mm, Round Handle, Stainless Steel 127
16-066  Size 3-2.50 mm, Length 135 mm, Round Titanium Handle 127
16-066S Size 3-2.50 mm, Length 135 mm, Round Handle, Stainless Steel 127
16-067  Size 4-3.50 mm, Length 135 mm, Round Titanium Handle 127
16-067S Size 4-3.50 mm, Length 135 mm, Round Handle, Stainless Steel 127
4-050ST Micro Colibri Corneal Forceps, 0.12 mm, 1x2 Teeth, Flat Handle, Length 73 mm, Titanium 62
7-097  Micro Finger Chopper, Round Handle, Length 120 mm, Round Titanium Handle 87
4-2173 Micro Foldable Lens Cutter, Straight, Stainless Scissors, Blades with Notches, 19 Ga 102
16-0111 Micro Trabeculectomy Punch, 0.60 mm Diameter, 0.30 mm x 0.60 mm Deep Bite, 20 Ga, Tip Only 127
4-0312S Microcoaxial Capsulorhexis Forceps, Ultrathin, 11.50 mm Curved Jaws, for 2.00 mm Incision, with Alignment Mechanism, Length 106 mm, Stainless Steel 56
15-170 Microincisonal Capsule Polisher Cannula, Disc-Shaped, 23 Ga 121
4-032S Small-Incision Capsulorhexis Forceps with Limiter, Cystotome Tips, Curved Micro-Thin Jaws, Fits through 2.00 mm incision, Flat Handle, Length 105 mm, Stainless Steel 57
4-2303T Moorsfield Suturing Forceps, Grooved section 14.00 mm, Flat Handle, Length 110 mm, Titanium 73

N

Nagahara
7-0631 Phaco Chopper & Drysdale Nucleus Manipulator, Double-Ended, Length 133 mm, Round Titanium Handle 85
7-0631S Phaco Chopper & Drysdale Nucleus Manipulator, Double-Ended, Length 133 mm, Stainless Steel 85
7-064 Phaco Chopper, LHD, dull Finish, Length 120 mm 85
7-063 Phaco Chopper, RHD, dull Finish, Length 120 mm 85
7-063S Phaco Chopper, RHD, dull Finish, Length 120 mm, Stainless Steel 85
7-063D Phaco Chopper, RHD, Disposable, 6 per Box 23
7-145 Nagy Femtosecond Chopper, Length 122 mm, Round Titanium Handle 40,85

Nucleus Hydrodissector
15-071-23 Spatulated, 23 Ga x 22 mm 120
15-071-25 Spatulated, 25 Ga x 22 mm 120
15-071-27 Spatulated, 27 Ga x 22 mm 120

O

Ogura PVD Spatula, 23 Ga 144
3-034 Optical Zone Marker, ICSR Set, Double-Ended, 0.15/0.5 mm 50

Osher
4-2175S IOL Scissors, to cut Silicone or Acrylic IOL, 8.50 mm Blades, Length 91 mm, Stainless Steel 69
4-1365 Superior Rectus Forceps, Curved with 1x2 Teeth, 0.50 mm, Angled Shafts, 10 mm from Tip to Angle, Length 106 mm, Stainless Steel 73
11-0135 Universal Corneal Scissors, Blunt Tips, Gently Curved, 21.00 mm Blades, Length 120 mm, Stainless Steel 97
3-0304T Osher-Neuman Low Profile Corneal Marker, 8 Lines, Length 130 mm, Titanium 50

OVDs
SmartVisc 1 ml Syringe w/Sodium Hyaluronate 1.6%, Disp. Inject. Cannula 27 Ga 17
SmartVisc PLUS 1 ml Syringe w/Sodium Hyaluronate 3.0%, Disp. Inject. Cannula 23 Ga 17
Supreme 2 ml Syringe w/HPMC 2%, Disp. Inject. Cannula 16

Palikat ICL, Manipulator, Sandblasted tip, Length 123 mm, Round Titanium Handle 112
13-110 Paton Spatula and Spoon, Double-Ended, Length 150 mm, Round Titanium Handle 104
4-060ST Pauflque Suturing Forceps, 0.50 mm, 1x2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 87 mm, Titanium 73
4-060S Pauflque Suturing Forceps, 0.50 mm, 1x2 Teeth, 6.00 mm Tying Platform, Flat Handle, Length 87 mm, Stainless Steel 73
15-073-27 Pearce J-Shaped Micro-Hydrodissector 27 Ga x 22 mm 120
7-069 Phaco Cleaver, LHD, Angled, Round Handle, Length 120 mm 85
7-058 Phaco Cleaver, RHD, Angled, Round Handle, Length 120 mm 85
7-125 Phacoant Quick Chopper, 0.75 mm Wide Tip, Angled, Length 120 mm, Round Titanium Handle 87

Pick Vitreoretinal Forceps
12-325 Reusable, 20 Ga, Tip Only 143
12-325-23H Reusable, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System 147
12-325-23H Reusable, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System 147
12-325-23 Reusable, 23 Ga, Tip Only 143
12-325S Reusable, 25 Ga, Tip Only 143
12-325-23D Disposable, 23 Ga, Stainless Steel, 6 per Box 148
12-325-25D Disposable, 25 Ga, Stainless Steel, 6 per Box 148
9-031 Pigtail Lacrimal Probe, 8.00 mm Probes with Holes, Polished Tip, Length 134 mm, Round Titanium Handle 94
9-031S Pigtail Lacrimal Probe, 8.00 mm Probes with Holes, Polished Tip, Length 134 mm, Round Handle, Stainless Steel 94

R2-40405 PVA Spears, 180 per Box 19
4-084T Pollack Corneal Transplantation Fixation Forceps, Curved, Round Handle, Length 112 mm, Titanium 66
7-115 Prechopper Angled, Cross-Action, Max opening 2.80 mm, Round Handle, Length 117 mm, Stainless Steel 84
4-140T Putterman Type Lid Clamp, Length 100 mm, Titanium 60
INDEX

Q

7-1281 Quick Chopper w/Rounded Edge, LHD, Round Handle, 120 mm 87
7-128 Quick Chopper w/Rounded Edge, RHD, Round Handle, 120 mm 87

Quickert Lacrimal Intubation Probe

9-021S Size 0, Length 140 mm, Stainless Steel 94
9-023S Size 2, Length 140 mm, Stainless Steel 94

R

Reservoir

12-5147 for Backflush Instrument, Passive, 5 per Box 152
12-5159 for Backflush Instrument, Active, 5 per Box 152

Rycroft Anterior Chamber Cannula

2-R125 Retrobulbar Needle-Atkinson 25 Ga x 38 mm, 10 per Box 28

3-166 Richman Toric Marker, Angled Shaft, Stainless Steel Gravity System, Round Titanium Handle 54

Rosen

7-055 Phaco Chopper Universal, Angled, Length 120 mm, Round Titanium Handle 85
7-055S Phaco Chopper Universal, Angled, Length 120 mm, Round Handle, Stainless Steel 85
7-067 Phaco Splitter, LHD, Wedge-Shaped, 60° Angled, Length 120 mm 85
7-066 Phaco Splitter, RHD, Wedge-Shaped, 60° Angled, Length 120 mm 85
7-065D Phaco Chopper, Universal, Disposable, 6 per Box 23

Rowen Rescue Kit For Lens Removal

4-2150 Crocodile Type Forceps, 20 Ga, Tip Only 68
4-2151 Straight Scissors, 18 Ga, Tip Only 68

RUMEX

16-010 Corneoscleral Punch (0.50, 0.75, 1.00, 1.50 mm Tips), Length 110 mm, Titanium Handle 126

4-21731 Foldable Lens Cutter, Length 113 mm, Squeeze Titanium Handle 68

2-062S Internal Micro Incision Gauges, 16 Blades 1.00 - 2.50 mm, Length 75 mm, Stainless Steel 47

5-031 Lens Manipulator, Button-Shaped Tip 0.45 mm, Angled, Length 122 mm, Round Titanium Handle 76

3-1841 Toric Combo Marker, Horizontal 0-0 Axis, Length 125 mm, Round Handle, Stainless Steel Gravity System 53

3-194 Toric Combo Marker, Vertical 0-0 Axis, Length 125 mm, Round Handle, Stainless Steel Gravity System 53

5-046 Rychwalski Muscle Hook, 12.00 mm Hook with Groove, Length 140 mm, Flat Titanium Handle 78

S

Sapphire Knife

Clear Corneal Blade

6-20/6SK-075 60°, 2.20 mm, Length 135 mm, Angled Titanium Handle 82
6-20/6SK-080 60°, 2.65 mm, Length 135 mm, Angled Titanium Handle 82
6-20/6SK-072 60°, 2.80 mm, Length 135 mm, Angled Titanium Handle 82
6-20/6SK-093 Crescent Blade 2.20 mm, Length 135 mm, Angled Titanium Handle 82

Double Edge Blade

6-10/6SK-0501 45°, 1.00 mm, Length 136 mm, Straight Titanium Handle 82
6-10/6SK-070 Lancet, 60°, 1.00 mm, Length 136 mm, Straight Titanium Handle 82

Trapezoid Blade

6-20/6SK-145 1.80 - 2.20 mm, Length 135 mm, Angled Titanium Handle 82
6-20/6SK-146 1.80 - 2.40 mm, Length 135 mm, Angled Titanium Handle 82
6-20/6SK-147 1.80 - 2.90 mm, Length 135 mm, Angled Titanium Handle 82
6-10/6SK-053 Trifacet Blade, 1.00 mm, Length 136 mm, Straight Titanium Handle 82
6-20/6SK-055 Zaldivar ICL Blade, 0.55 - 1.00 mm, Length 135 mm, Angled Titanium Handle 82

Sauer Lid Speculum

14-030 Child Size, Solid 8 mm Blades, Length 35 mm 117
14-031 Newborn, Solid 5 mm Blades, Length 35 mm 117
14-032 Premature, Solid 4 mm Blades, Length 35 mm 117

16-080S Schoedel Towel Clamp, Flat Handle, Length 85 mm, Stainless Steel 75

16-111S Schocket Double-Ended Scleral Depressor, with Pocket Clip, Length 143 mm, Stainless Steel 127

11-0381S Scissors For DALK Procedure, Left, Length 106 mm, Stainless Steel 97
11-038S Scissors For DALK Procedure, Right, Length 106 mm, Stainless Steel 97

12-5086S Sciall Plugs Forceps, Length 106 mm, Stainless Steel 149

5-061 Scobee Oblique Muscle Hook, Curved, Flat 4.50 mm Hook, Length 136 mm, Flat Titanium Handle 78
5-061S Scobee Oblique Muscle Hook, Curved, Flat 4.50 mm Hook, Length 136 mm, Flat Handle, Stainless Steel 78

7-130 Seibel Chopper, Ball-Shaped Tip, Length 122 mm, Round Titanium Handle 88
7-1361 Seibel Chopper/Quick Chopper with Rounded Edge, RHD, Length 132 mm, Round Titanium Handle 88
INDEX

16-090S Serrefine, Straight, Large Size, Length 55 mm, Stainless Steel 72
15-032 Shahinian Lacrimal Cannula, 25 Ga x 35 mm 123
15-203 Sheets Irrigating Vectis, 21 Ga x 38 mm, 3 Irrigating Ports 120
11-048S Shepard-Westcott Curved Tenotomy Scissors, Blunt Tips, 2100 mm Blades, Length 123 mm, Stainless Steel 100
10-030S Schepens Orbital Retractor, Length 144 mm, Stainless Steel 95
12-215 Side Curved Vitreoretinal Scissors, Reusable, 20 Ga, Tip Only 140
11-03741 Side-Port Capsulotomy Scissors, Left, 20 Ga, w/Lock, Tip Only 101
11-03751 Side-Port Capsulotomy Scissors, Right, 20 Ga, Tip Only 101
15-301/303 Silicone Bulb w/ Adapter 123

Silicone Oil
5 SmartS/i/0000 1000 cSt, 10 ml in a 20 ml Syringe 18,154
5 SmartS/i/0000 5000 cSt, 10 ml in a 20 ml Syringe 18,154

Silicone Oil Injection System
12-RTUB-4 Reusable Tubing System Adjustable to Oerit®, Orbit®, Faros®, OS3® 19
12-RTUB-3 Reusable Tubing System Adjustable to B&L® Millennium®, Steillars® 19
12-RTUB-1 Reusable Tubing System Adjustable to Loittech®, Pentasys, Optikon® Antares, Alcon® STTO, Storz® Premiere 19

Simcoe
15-091/13/23 Cortex Extractor Cannula, 23 Ga x 13 mm 121
15-129-0.4 I/A Cannula, 23/22 Ga, 0.4 mm Port, Regular 119
15-129-0.3 I/A Cannula, 23/23 Ga, 0.3 mm Port, Regular 119
7-080/SIM I/A Tip 90
15-133-0.4 Reverse I/A Cannula, 23/22 Ga, Asp 0.4 mm Port, In through Tubing 119
15-133-0.3 Reverse I/A Cannula, 23/23 Ga, Asp 0.3 mm Port, In through Tubing 119
20-R5023 Cortex Extractor - 23 Ga, 0.3-mm Top Port, 10 per Box 35

Sinskey Hook
5-032 Angled, 0.15 mm x 10.00 mm Shaft, Length 122 mm, Round Titanium Handle 76
5-032S Angled, 0.15 mm x 10.00 mm Shaft, Length 122 mm, Round Handle, Stainless Steel 76
5-032I Straight, 0.15 mm, Length 122 mm, Round Titanium Handle 76
5-032R Reversed, Angled, 0.15 x 10.00 mm Shaft, Length 117 mm, Round Titanium Handle 76
5-032D Disposable, Angled, 6 per Box 76
15-376 Slade LASIK Cannula, 26 Ga 122
14-052T Slade-Murdoch Speculum, Parallel Retraction Design, 14.00 mm Open Blades, Length 51 mm 117
7-143 Slade/Terao Nucleus Splitter, 23 Ga, Tip Only 39.88

SMILE
20-207 Stodulka Double Lenticule Spatula (Blunt Spoon and Flat Spatula), Length 140 mm, Round Titanium Handle 44,110
20-2071 Double Lenticule Spatula (Blunt Spoon and Shortened Flat Spatula), Length 139 mm, Round Titanium Handle 44,110
4-2012S Stodulka Forceps, Angled, Flat Handle, Length 100 mm, Stainless Steel 44,62
4-0398 Cross-Action Forceps, Length 120 mm, Stainless Steel 35, 45, 61

Soft Tip Cannula
12-5161 23 Ga, 5 per Box 152
12-5162 25 Ga, 5 per Box 152
12-5491 27 Ga, 5 per Box 152

Spatula
13-171 for DALK Procedure, 1.00 x 9.00 mm Tip, Length 122 mm, Round Titanium Handle 108
20-204 for Femtosecond Laser Procedure, Length 120mm, Round Titanium Handle 104
20-204D for Femtosecond Laser Procedure, Disposable, 6 per Box 23
13-020 Curved, 0.25 mm Wide, 12.00 mm Long, Length 122mm, Round Titanium Handle 103
13-010 Straight, 0.25 mm Wide, 10.00 mm Long, Length 122 mm, Round Titanium Handle 103
13-010I Straight, 0.40 mm Wide, 14.00 mm Long, Length 122 mm, Round Titanium Handle 103
13-010IS Straight, 0.40 mm Wide, 14.00 mm Long, Length 122 mm, Round Handle, Stainless Steel 103
13-014 Straight, 1.00 mm Wide, 13.00 mm Long, Length 122 mm, Round Titanium Handle 103
13-014S Straight, 1.00 mm Wide, 13.00 mm Long, Length 122 mm, Round Handle, Stainless Steel 103
13-150T Spatula-Guide for Corneal Endothelium Implantation, Length 122 mm, Titanium 105
12-321 Spring Gripping Vitreoretinal Forceps, Reusable, 20 Ga, Tip Only 143
12-321/23 Spring Gripping Vitreoretinal Forceps, Reusable, 23 Ga, Tip Only 143
4-2107T Steinitz Paddle Lens Folding Forceps, Angled Shafts, Flat Handle, Length 110 mm, Titanium 67
4-2107S Steinitz Paddle Lens Folding Forceps, Angled Shafts, Flat Handle, Length 110 mm, Stainless Steel 67

Stevens
5-062 Curved Tenotomy Hook, 6.00 mm Flat Hook, Length 120 mm, Flat Titanium Handle 78
5-062S Curved Tenotomy Hook, 6.00 mm Flat Hook, Length 120 mm, Flat Handle, Stainless Steel 78

Tenotomy Scissors
11-132S Curved, Blunt Tips, Length 115 mm, Stainless Steel 100
11-131S Curved, Sharp Tips, Length 115 mm, Stainless Steel 100
11-133S Straight, Blunt Tips, Length 115 mm, Stainless Steel 100
11-130S Straight, Sharp Tips, Length 115 mm, Stainless Steel 100
10-013 Lacrimal Sac Retractor, Curved, 2 x 3 mm Teeth, Length 83 mm 95
10-013S Lacrimal Sac Retractor, Curved, 2 x 3 mm Teeth, Length 83 mm, Stainless Steel 95
INDEX

Sterilizing Tray

Aluminum

18-319  w/Silicone Mat, 155×65×20 mm  131
18-320  w/Silicone Mat, 155×65×40 mm  131
18-321  w/Silicone Mat, 200×65×20 mm  131
18-322  w/Silicone Mat, 200×10×20 mm  131
18-323  w/Silicone Mat, 200×10×40 mm  131
18-324  w/Silicone Mat, 260×160×20 mm  131
18-325  w/Silicone Mat, 260×160×40 mm  131
18-326  w/Silicone Mat, Double Level, 260×160×40 mm  131
18-327  w/Silicone Mat, Double Level, 260×160×80 mm  131
18-328  w/Silicone Mat, 260×160×80 mm  131
18-331  w/Silicone Mat, 215×165×20 mm  131
18-332  w/Silicone Mat, 310×235×20 mm  131
18-333  w/Silicone Mat, Double Level + Open Section, 375×220×45 mm  131
18-334  w/Silicone Mat, 390×265×20 mm  131
18-335  w/Silicone Mat, 390×265×40 mm  131
18-336  w/Silicone Mat, Double Level, 390×265×40 mm  131

Plastic

18-300  w/2 Silicone Plug-In Inserts, 190×101×38 mm  130
18-301-1  w/2 Silicone Plug-In Inserts, 152×63.5×19 mm  130
18-305-1  w/2 Silicone Plug-In Inserts, 254×152.4×38 mm  130
18-303-1  w/2 Silicone Plug-In Inserts, 190×101×19 mm  130
18-300-1  w/Silicone Mat, 190×101×38 mm  130
18-301  w/Silicone Mat, 152×63.5×19 mm  130
18-302  w/Silicone Mat, 165×101×19 mm  130
18-303  w/Silicone Mat, 190×101×19 mm  130
18-304  w/Silicone Mat, 254×152.4×19 mm  130
18-305  w/Silicone Mat, Double Level, 254×152.4×38 mm  130
18-307  w/Silicone Mat, 68.5×38×25.5 mm  130
18-308  w/Silicone Mat, 190.5×63.5×19 mm  130
18-318  Stainless Steel Tray with Silicone Mat, Double Level, 240.00 x 240.00 x 60.00 mm

Stodulka

7-0811  Enhanced Irrigation Handpiece, Curved, 21 Ga  91
4-20125  Stodulka Forceps for Small-Incision Lenticule Extraction (ReLEx SMILE), Angled, Flat Handle, Length 100 mm, Stainless Steel  61
20-207  Stodulka ReLEx Smile Blunt Spoon and Flat Spatula, Length 140 mm, Round Titanium Handle  110
12-335  Stolyarenko Forceps for Large Foreign Body, Reusable. 20 Ga, Tip Only  143
12-211  Straight Vitreoretinal Scissors, Rounded Blades, Reusable, 20 Ga, Tip Only  140
13-146  Suarez Spreader, Straight, Length 122 mm, Round Titanium Handle  112
Sub-tenon's Anesthesia Cannula

15-009  Para, Curved, Flattened Tip, 19 Ga x 25 mm, 0.3 mm Side-Ports  118
21-1320  20 Ga x 1 in (0.90 x 25 mm), 10 per Box  28
15-01C-19  Curved, 19 Ga x 25 mm, 3 Ports  118
15-01C-19  Curved, Flattened Tip, 19 Ga x 25 mm, Front Opening  118
16-137  Surgical Chisel, 3.00 mm, Stainless Steel  128
16-135  Surgical Mallet, Polished Finish, Stainless Steel  128

Subretinal Scissors

Curved

12-209  Reusable, Curvature Radius 12 mm, 20 Ga, Tip Only  140
12-209  Reusable, Curvature Radius 12 mm, 25 Ga, Tip Only  140
12-209-23H  Reusable, Curvature Radius 12 mm, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System  147
12-209-23H  Reusable, Curvature Radius 12 mm, 23 Ga, Tip Only  140
12-209-23H  Reusable, Curvature Radius 12 mm, 25 Ga, Attached to a Universal Handle, with RUMEX Flushing System  147
12-209-23D  Disposable, 23 Ga, Stainless Steel, 6 per Box  148
12-209-23D  Disposable, 25 Ga, Stainless Steel, 6 per Box  148
12-209-23DP  Disposable, 23 Ga, Plastic Handle, 6 per Box  149
12-209-23DP  Disposable, 25 Ga, Plastic Handle, 6 per Box  149
12-209-23DP  Disposable, 27 Ga, Plastic Handle, 6 per Box  149

Straight

12-211-23H  Reusable, 23 Ga, Tip Only  147
12-211-25H  Reusable, 25 Ga, Tip Only  147
12-211-23DP  Disposable, 23 Ga, Plastic Handle, 6 per Box  149
12-211-23DP  Disposable, 25 Ga, Plastic Handle, 6 per Box  149
12-211-27DP  Disposable, 27 Ga, Plastic Handle, 6 per Box  149
INDEX 206

APPENDIXES

Vertical
12-202-23H  Reusable, 23 Ga, Attached to a Universal Handle, with RUMEX Flushing System
12-202-25H  Reusable, 25 Ga, Attached to a Universal Handle, with RUMEX Flushing System
12-2029     Reusable, 25*, 25 Ga, Tip Only
12-202      Reusable, 20*, 20 Ga, Long Sharp Tips, Tip Only
12-202-23   Reusable, 20*, 23 Ga, Long Sharp Tips, Tip Only
12-202-23DP Disposable, 23 Ga, Plastic Handle, 6 per Box
12-202-25DP Disposable, 25 Ga, Plastic Handle, 6 per Box

Sutures
22-R1404    10-0 Nylon 30 cm, Needle: Trape Spatula 5.5 mm 7/6 Curve
22-R1404S   10-0 Nylon 15 cm, Needle: Trape Spatula 5.5 mm 7/6 Curve
22-R1410    10-0 Nylon 30 cm, Needle: Trape Spatula 7.0 mm 1/2 Curve
22-R2002    10-0 Nylon 30 cm, Needle: Trape Spatula 6.5 mm 3/8 Curve
22-R2090    8-0 Polyglycolic Acid 30 cm, Needle: Trape Spatula 6.5 mm 3/8 Curve
22-R2801    6-0 Silk 45 cm, Needle: Trape Spatula 6.5 mm 3/8 Curve
22-R330S    6-0 Silk 45 cm, Needle: Reverse Cut 11.0 mm 3/8 Curve
22-R3373    5-0 Polyester 45 cm, Needle: Dia Spatula 8.0 mm 1/4 Curve
22-R3377    5-0 Polyester 45 cm, Needle: Trape Spatula 8.0 mm 1/4 Curve

T
13-18S     Tan Marginal DMMEK Dissector, Length 132 mm, Round Titanium Handle
12-41H     Tanaka Maculorhexis Forceps, Reusable, 23 Ga, Tip Only

Tennant Tying Forceps
4-851T     Angled, Extra Delicate Tips, for 9-0 to 11-0 Sutures, Round Handle, Titanium
4-856S     Curved, Extra Delicate Tips, for 9-0 to 11-0 Sutures, Round Handle, Length 107 mm, Stainless Steel
4-855S     Straight, Extra Delicate Tips, for 9-0 to 11-0 Sutures, Round Handle, Length 108 mm, Stainless Steel
4-855T     Straight, Extra Delicate Tips, for 9-0 to 11-0 Sutures, Round Handle, Length 108 mm, Titanium
16-139     Tenzel Double-Ended Periosteal Elevator, Length 195 mm, Round Titanium Handle
13-153S    Terry DSEK Scraper, Angled Shaft, 11.00 mm from Tip to Angle, Hole-Shaped Scraper Facing Upward
3-81       Toric IOL Marker, Intra-Op, Length 130 mm, Titanium
16-085S    Towel Forceps, Ring Handle, Length 90 mm, Stainless Steel
7-126S     Triple Edge Chopper with Polisher Tip, Round Handle, Length 117 mm, Stainless Steel
7-126      Triple Edge Phaco Chopper with Polisher Tip, Length 117 mm, Round Titanium Handle
13-170     Triscitor for DALK Procedure, Flat 140 x 0.70 mm Tip, Titanium Handle, Length 124 mm

Trocars
12-573-23   23 Ga, Reusable
12-573-25   25 Ga, Reusable
12-5229     One Step, Disposable, 23 Ga, 6 per Box
12-5244     One Step, Disposable, 25 Ga, 6 per Box
12-5227     One Step, Disposable, 27 Ga, 6 per Box
16-173S     Tunnel Maker, 4.40/5.60 mm Diameter, 0.30 mm Width, Left, Stainless Steel
16-174S     Tunnel Maker, 4.40/5.60 mm Diameter, 0.30 mm Width, Right, Stainless Steel
3-143T     Tunnel Zone Marker, 4.00/6.00 mm Diameter, 40° Angled to Handle, Length 127 mm, Titanium

U
Ultrata Capsulorhexis Forceps
Cystotome Tips
4-0300S    11.50 mm Straight Jaws, Flat Handle, Length 82 mm, Stainless Steel
4-0300T    11.50 mm Straight Jaws, Flat Handle, Length 82 mm, Titanium
4-0301T    11.50 mm Straight Jaws, Long Flat Handle, Length 107 mm, Titanium
4-0311T    11.50 mm Straight Jaws, Round Handle, Length 110 mm, Titanium
4-0311S    11.50 mm Straight Jaws, Round Handle, Length 110 mm, Stainless Steel
4-0301S    11.50 mm Straight Jaws, Long Flat Handle, Length 107 mm, Stainless Steel
4-0321S    11.50 mm Curved Jaws, Flat Handle, Length 107 mm, Stainless Steel
4-0321T    11.50 mm Curved Jaws, Flat Handle, Length 107 mm, Titanium
4-0331T    11.50 mm Curved Jaws, Round Handle, Length 110 mm, Titanium
4-0331S    11.50 mm Curved Jaws, Round Handle, Length 110 mm, Stainless Steel
4-0331D    Curved, Disposable, 6 Per Box
4-0311D    Straight, Disposable, 6 Per Box

with SCALE
4-0331I    6 Engravings, 1.00 mm, Cystotome Tips, 11.50 mm Curved Jaws, Round Handle, Length 110 mm, Titanium
4-0331S    6 Engravings, 1.00 mm, Cystotome Tips, 11.50 mm Curved Jaws, Round Handle, Stainless Steel
4-0311T    6 Engravings, 1.00 mm, Cystotome Tips, 11.50 mm Curved Jaws, Round Handle, Titanium
4-0331S    6 Engravings, 1.00 mm, Cystotome Tips, 11.50 mm Curved Jaws, Round Handle, Stainless Steel
4-0331T    2 Engravings at 3.00, 6.00 mm, Cystotome Tips, 11.50 mm Curved Jaws, Round Handle, Titanium
4-0331S    2 Engravings at 3.00, 6.00 mm, Cystotome Tips, 11.50 mm Curved Jaws, Round Handle, Stainless Steel
## INDEX

<table>
<thead>
<tr>
<th>Regular Tips</th>
<th>55</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.50 mm Straight Jaws, Flat Handle, Length 82 mm, Titanium</td>
<td>56</td>
</tr>
<tr>
<td>11.50 mm Straight Jaws, Round Handle, Length 110 mm, Titanium</td>
<td>104</td>
</tr>
<tr>
<td>13-181 Westcott Curved Tenotomy Scissors</td>
<td></td>
</tr>
<tr>
<td>11-054S Vannas Capsulotomy Scissors</td>
<td></td>
</tr>
<tr>
<td>Angled, Sharp Tips, 6.00 mm Blades, Flat Handle, Length 81 mm, Stainless</td>
<td>101</td>
</tr>
<tr>
<td>Steel</td>
<td></td>
</tr>
<tr>
<td>11-052S Curved, Sharp Tips, 6.00 mm Blades, Flat Handle, Length 84 mm,</td>
<td>101</td>
</tr>
<tr>
<td>Stainless Steel</td>
<td></td>
</tr>
<tr>
<td>11-050S Straight, Sharp Tips, 6.00 mm Blades, Flat Handle, Length 84 mm,</td>
<td>101</td>
</tr>
<tr>
<td>Stainless Steel</td>
<td></td>
</tr>
<tr>
<td>11-052D Curved, Sharp Tips, 6 per Box</td>
<td>23</td>
</tr>
<tr>
<td>3-195 Velanna Gravity Corneal Marker for LRI/Toric IOL Implantation, angled</td>
<td>54</td>
</tr>
<tr>
<td>Shaft, 4 Radial Blades</td>
<td></td>
</tr>
<tr>
<td>15-37-25A Vannas Capsulotomy Scissors, Length 110 mm, Titanium</td>
<td>122</td>
</tr>
<tr>
<td>15-1051-30 Vannas Capsulotomy Scissors, Length 110 mm, Titanium</td>
<td>122</td>
</tr>
<tr>
<td>Viscocanalostomy Cannula, 30 Ga, 5 mm Beveled Tip</td>
<td></td>
</tr>
<tr>
<td>Viscocanalostomy Cannula, 30 Ga, 5 mm Beveled Tip</td>
<td></td>
</tr>
<tr>
<td>21-2R225 Angled 9 mm 25 Ga x 22 mm, 10 per Box</td>
<td>28</td>
</tr>
<tr>
<td>21-2R227 Angled 9 mm 27 Ga x 22 mm, 10 per Box</td>
<td>28</td>
</tr>
<tr>
<td>21-2R232 Angled 10 mm 23 Ga x 22 mm, 10 per Box</td>
<td>28</td>
</tr>
<tr>
<td>21-2R237 Angled 10 mm 27 Ga x 22 mm, 10 per Box</td>
<td>28</td>
</tr>
<tr>
<td>Viscocanalostomy Cannula, 30 Ga, 5 mm Beveled Tip</td>
<td></td>
</tr>
<tr>
<td>Viscocanalostomy Cannula, 30 Ga, 5 mm Beveled Tip</td>
<td></td>
</tr>
<tr>
<td>1 ml Syringe with Sodium Hyaluronate 1.6%, Disp. Inject. Cannula 27 Ga</td>
<td>17</td>
</tr>
<tr>
<td>1 ml Syringe with Sodium Hyaluronate 3.0%, Disp. Inject. Cannula 23 Ga</td>
<td>17</td>
</tr>
<tr>
<td>12-5248 Viscous Fluid Injection Cannula, Disposable, 23 Ga</td>
<td>12,153</td>
</tr>
<tr>
<td>12-5258 Viscous Fluid Injection Cannula, Disposable, 25 Ga</td>
<td>12,153</td>
</tr>
<tr>
<td>Vitreoretinal End-Gripping Forceps</td>
<td></td>
</tr>
<tr>
<td>12-401 Reusable, with Extended Gripping Area at the End of the Tip, 20 Ga,</td>
<td>142</td>
</tr>
<tr>
<td>Tip Only</td>
<td></td>
</tr>
<tr>
<td>12-402 Reusable, with Extended Gripping Area at the End of the Tip, 23 Ga,</td>
<td>142</td>
</tr>
<tr>
<td>Tip Only</td>
<td></td>
</tr>
<tr>
<td>12-400 Reusable, with Serrated Micro Jaws, 20 Ga, Tip Only</td>
<td>142</td>
</tr>
<tr>
<td>12-313 Vitreoretinal Forceps with Cup Jaws, Reusable, 20 Ga, Tip Only</td>
<td>143</td>
</tr>
<tr>
<td>Vitreoretinal Forceps with Expanded Space between Branches</td>
<td></td>
</tr>
<tr>
<td>12-4013 Reusable, 23 Ga, Tip Only</td>
<td>142</td>
</tr>
<tr>
<td>12-4013H Reusable, 23 Ga, Attached to a Universal Handle, with RUMEX</td>
<td>142</td>
</tr>
<tr>
<td>Flushing System</td>
<td></td>
</tr>
<tr>
<td>12-4013-25H Reusable, 25 Ga, Attached to a Universal Handle, with RUMEX</td>
<td>142</td>
</tr>
<tr>
<td>Vitreoretinal Instrument Handle</td>
<td></td>
</tr>
<tr>
<td>12-001T One Finger Control, Length 108 mm, Titanium</td>
<td>139</td>
</tr>
<tr>
<td>12-003T Squeeze Model, Two Fingers Control, Titanium</td>
<td>139</td>
</tr>
<tr>
<td>12-003S Squeeze Model, Two Fingers Control, Stainless Steel</td>
<td>139</td>
</tr>
<tr>
<td>W</td>
<td></td>
</tr>
<tr>
<td>4-2201T Watzke Sleeve Spreading Forceps, Angled, Cross-Action, Length 110 mm</td>
<td>149</td>
</tr>
<tr>
<td>4-2260 Wells Enucleation Spoon, Length 145 mm, Round Titanium Handle</td>
<td>127</td>
</tr>
<tr>
<td>Westcott Curved Tenotomy Scissors</td>
<td></td>
</tr>
<tr>
<td>11-040S Blunt Tips, 13.00 mm Blades, Flat Handle, Length 115 mm, Stainless</td>
<td>100</td>
</tr>
<tr>
<td>Steel</td>
<td></td>
</tr>
<tr>
<td>11-042S Blunt Tips, 16.00 mm Blades, Flat Handle, Length 120 mm, Stainless</td>
<td>100</td>
</tr>
<tr>
<td>Steel</td>
<td></td>
</tr>
<tr>
<td>11-048S Blunt Tips, 19.00 mm Blades, Length 116 mm, Stainless Steel</td>
<td>100</td>
</tr>
<tr>
<td>11-040D Blunt Tips, Disposable, 6 per Box</td>
<td>23</td>
</tr>
<tr>
<td>Westcott Stitch Scissors</td>
<td></td>
</tr>
<tr>
<td>11-046S Sharp Tips, Gently Curved 13.00 mm Blades, Flat Handle, Length 115</td>
<td>99</td>
</tr>
<tr>
<td>mm, Stainless Steel</td>
<td></td>
</tr>
<tr>
<td>11-047S Sharp Tips, Gently Curved 13.00 mm Blades, Round Handle, Length 115</td>
<td>99</td>
</tr>
<tr>
<td>mm, Stainless Steel</td>
<td></td>
</tr>
<tr>
<td>11-044S Sharp Tips, 16.00 mm Blades, Flat Handle, Length 120 mm, Stainless</td>
<td>99</td>
</tr>
<tr>
<td>Steel</td>
<td></td>
</tr>
<tr>
<td>11-125S Westcott Type Slim Jaws, Gently Curved, Sharp Tips, 16.00 mm Blades</td>
<td>99</td>
</tr>
<tr>
<td>Flat Handle</td>
<td></td>
</tr>
<tr>
<td>Length 120 mm, Stainless Steel</td>
<td></td>
</tr>
<tr>
<td>3-040 Whipple Capsulorhexis Centration Marker, 5.50/6.00 mm Diameter, Length</td>
<td></td>
</tr>
<tr>
<td>140 mm, Round Titanium Handle</td>
<td>49</td>
</tr>
<tr>
<td>Whitehouse Gravity Axis Marker</td>
<td></td>
</tr>
<tr>
<td>3-1932 with Reduced Diameters, Straight, Marks at 3, 6, 9 o’clock, 9.5/12.50</td>
<td>53</td>
</tr>
<tr>
<td>mm, Length 153 mm, Round Titanium Handle, Stainless Steel Gravity System</td>
<td></td>
</tr>
<tr>
<td>3-193 Angled, Marks at 3, 6, 9 o’clock, 11.00/14.00 mm, Length 153 mm, Round</td>
<td>53</td>
</tr>
<tr>
<td>Titanium Handle, Stainless Steel Gravity System</td>
<td></td>
</tr>
<tr>
<td>3-1931 Straight, Marks at 3, 6, 9 o’clock, 11.00/14.00 mm, Length 152 mm,</td>
<td>53</td>
</tr>
<tr>
<td>Titanium Handle, Stainless Steel Gravity System</td>
<td></td>
</tr>
<tr>
<td>Wilder Lacrimal Dilator</td>
<td></td>
</tr>
<tr>
<td>9-050T Size 1, 19.00 mm Taper, Length 100 mm, Titanium</td>
<td>94</td>
</tr>
<tr>
<td>9-050S Size 1, 19.00 mm Taper, Length 100 mm, Stainless Steel</td>
<td>94</td>
</tr>
<tr>
<td>9-051T Size 2, 23.00 mm Taper, Length 100 mm, Titanium</td>
<td>94</td>
</tr>
<tr>
<td>9-0515 Size 2, 23.00 mm Taper, Length 100 mm, Stainless Steel</td>
<td>94</td>
</tr>
<tr>
<td>6-052T Size 3, 32.00 mm Taper, Length 100 mm, Titanium</td>
<td>94</td>
</tr>
<tr>
<td>16-072 Wilder Lens Loop, 4.00 mm Width, Length 134 mm, Round Handle, Titanium</td>
<td>126</td>
</tr>
<tr>
<td>16-072S Wilder Lens Loop, 4.00 mm Width, Length 134 mm, Round Handle, Stainless Steel</td>
<td>126</td>
</tr>
</tbody>
</table>
### INDEX

#### Y

- 7-11665  Yeoh Femtosecond Prechopper, Straight, Cross-Action, Max Opening 2.00 mm, Atraumatic Tips, Length 120 mm, Stainless Steel  39.84

#### Z

- Zaldivar
  - 20-203  FemtoLASIK Spatula, Length 123 mm, Round Titanium Handle  111
  - 13-142  ICL Manipulator, Length 128 mm, Round Titanium Handle  1/2
  - 11-03721  Iridectomy Scissors, 23 Ga, with Lock, Tip Only  58
  - 4-21432  Zaldiver - Kraff ICL Pacman Forceps, 20 Ga, Tip Only  70