GENERAL INFORMATION

WARRANTY/GUARANTEE
All ASICO ophthalmic instruments are unconditionally guaranteed for life against manufacturing defects in material and workmanship when used for their intended surgical purpose and cared for in accordance with recommended procedure.
In the event any ASICO instrument should fail as a result of a manufacturing defect in material or workmanship, it will be replaced or repaired at no charge.

TERMS OF PAYMENT
Invoices are payable on receipt. If payment is received after the initial 30-day period, a finance charge of 1.5% for an annual rate of 18% will be charged.

SHIPPING
Shipments of surgical instruments are made via FedEx Second Day Air. Shipment can also be made via UPS or DHL upon customer request, with a valid shipping account number for requested shipping vendor. If customer uses their shipping account number a handling fee will still apply to the order.

ORDERS
Orders can be placed through our toll-free customer service line, 1-800-628-2879, by fax, by calling 1-630-986-8032 or by emailing info@asico.com.

PRICES
Prices are in US Dollars and are subject to change without notice.

RETURN POLICY
All products returned to ASICO must be accompanied by a return authorization number. This number can be obtained by contacting ASICO by phone or email. Merchandise should be carefully packaged, shipped prepaid, insured and mailed to the Westmont office. Each shipment must be accompanied by a document showing the full name and address of a sender, list of items, and the reason for return. Putting the customer number is highly recommended for quicker returns.

Merchandise returned for credit will be accepted under the following terms and conditions ONLY:
1. Full credit will be issued for all merchandise returned within 15 days after date of shipment, provided that ASICO determines the product is not damaged and is in salable condition in its original package.
2. Returns within 15-30 days are subject to a 10% restocking fee.
3. Returns after 30 days are not acceptable for credit.
4. The following items CANNOT be accepted for credit except those resulting from an error made by ASICO:
   • Custom-made instruments
   • Discontinued models
   • Damaged, abused, or etched instruments
   • Sterile and disposable products
   • Cannulas
   • Diamond Knives

REPAIR SERVICE
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Most speculums are made of non-magnetic material. Aspirating speculums are made of stainless steel tubing and connected to silicone tubing. This speculum is most useful for phaco or LASIK procedures where BSS (Balanced Salt Solution) is used. ASICO's aspirating speculums are supplied with a silicone tubing which should be connected to the operating room suction at a Low setting. The silicone tubing can also be connected to a 50cc syringe or small vacuum pump. When the syringe is placed on a lower level to the patient's head, gravity in conjunction with the vacuum aspirates the BSS. To clean the speculum, flush it with Distilled water after each and every use and before Sterilizing. The silicone tubing, along with the speculum can also be sterilized. If you have any questions regarding the use of or care of ASICO speculums please call our Customer Service.
**Barraquer Wire Speculum**

**AE-1001 Small**
- Overall length: 35 mm
- Blade length: 10 mm

**AE-1002 Large**
- Overall length: 40 mm
- Blade length: 14 mm

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**Barraquer Heavy Wire Speculum - AE-1003**

Adult size
- Overall length: 40 mm
- Blade length: 14 mm
- Diameter: 1.0 mm

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**Pannu- Barraquer Aspirating Wire Speculum - AE-1005**

Overall length: 63 mm
- Blade length: 17 mm
- Used with suction set on low or syringe

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**Pannu-Bansal Aspirating Wire LASIK Speculum - AE-1006**

Overall length: 57 mm
- Blade length: 15 mm
- Used with suction set on low or syringe

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**Barraquer Solid Blade Wire Speculum**

**AE-1010 Small**
- Overall length: 35 mm
- Blade length: 11 mm

**AE-1011 Large**
- Overall length: 40 mm
- Blade length: 15 mm
Bansal-Koch Nasal Cataract Wire Speculum - AE-1012
Overall length: 51 mm
Blade length: 18 mm
With solid blades

Bansal Nasal LASIK Wire Speculum - AE-1013
Overall length: 44 mm
Blade length: 15 mm
With solid blades

Miyoshi Small Orbit Speculum – AE-1014
Overall Length: 42 mm
Wire model. Designed for smaller eyes with small orbits. Maximum lid opening; minimum rise of vitreous pressure; optimum patient comfort. Recommended for any anterior segment procedure.

Miyoshi Adjustable Small Orbit Speculum – AE-1014N
Adjustable Model
Overall Length: 60 mm
Designed for smaller eyes with small orbits. Maximum lid opening; minimum rise of vitreous pressure; optimum patient comfort. Recommended for any anterior segment procedure.

Miyoshi Aspirating Speculum – AE-1014AN
Overall Length: 82 mm
Blade Length: 12.6 mm
Slits are precisely designed to assist in effective aspiration.
Infant Wire Speculum - AE-1015
Overall length: 36 mm
Blade length: 4 mm
Smallest size available

Miyoshi Z LASIK Speculum – AE-1016
Overall Length: 60 mm
Blade Length: 10 mm
The open-wire design allows more room for the suction ring to get down to the eye and the rounded shape of the blades under the lids is more comfortable for the patient.

Kratz-Barraquer Wire Speculum
AE-1018 With wings
Overall length: 36 mm
Blade length: 15 mm
For retracting surgical drape while allowing unobstructed access to the cataract incision with phaco or I/A tip

AE-1019 With round edge
Overall length: 46 mm
Blade length: 18 mm

Kratz-Barraquer Wire Speculum - AE-1020
Overall length: 40 mm
Blade length: 15 mm
With open blades for easy access to the cataract incision, phaco, or I/A tip
**Pannu-Kratz Barraquer** Aspirating Speculum - AE-1021
Overall length: 63 mm  
Blade length: 17 mm  
Used with suction set on low or syringe

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**Kratz- Barraquer** Heavy Wire Speculum - AE-1022
Overall length: 40 mm  
Blade length: 15 mm  
Diameter: 1.0 mm  
With open blades for easy access to the cataract incision, phaco, or I/A tip

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**Akahoshi 3-Prong Cataract Speculum – AE-1023**
3 prong, nasal speculum for easy temporal access.  
Adjustable self-locking mechanism.

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**Nasal Wire Speculum - AE-1024**
Overall length: 39 mm  
Blade length: 16 mm  
With open blades for easy access to the cataract incision, phaco, or I/A tip
**Akahoshi 3-Prong Speculum with Square Lock – AE-1025**

Overall Length: 50 mm  
Blade Length: 14.5 mm  
3-prong prevents cilia from protruding out of the surgical drape. Thin wire for increased visibility of the surgical field; adjustable, square lock accommodates various lid sizes; 3-prong prevents cilia from protruding out of the surgical drape; shorter prongs for ideal for deep set eyes and narrow lids.

For Deep Set Eyes – AE-1026  
For the deep set version, the gap is smaller for the middle prong. Ideal for deep set eyes and narrow lids.

**Akahoshi 1-Prong Speculum with Square Lock – AE-1027**

Overall Length: 50 mm  
Blade Length: 14 mm  
Shorter prong. Thin wire for increased visibility of the surgical field; adjustable, square lock accommodates various lid sizes. Ideal for regular size eyes.

For Deep Set Eyes – AE-1028  
For the deep set version, the gap is smaller for the middle prong. Ideal for deep set eyes and narrow lids.

**Simcoe-Barraquer Wire Speculum - AE-1030**

Overall length: 37 mm  
Blade length: 13 mm  
For retracting surgical drape

**Slade LASIK Wire Speculum - AE-1031**

Overall length: 39 mm  
Blade length: 20 mm  
Accommodates the suction ring of the microkeratome
**Murdoch-Slade** Lasik Speculum – AE-1033

Overall Length: 50 mm  
Blade Length: 20 mm  
Ideal for Femtosecond Cataract procedure. Blades conform to all popular docking stations and provides maximum exposure when using the laser. Self-locking.

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**Nordan Olive tip speculum - AE-1038N**

Overall Length: 77 mm  
Blade Length: 15 mm

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**Manche** LASIK Speculum- AE-1039N

Overall length: 84 mm  
Blade length: 15 mm  
Designed specifically for superior hinge LASIK

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**Lieberman** Adjustable Aspirating Speculum – AE-1040AN

Overall Length: 70 mm  
Blade Length: 19 mm  
Used with suction set on low or syringe.
**Lieberman Eye Speculum – AE-1040N**
Adjustable Model
Overall Length: 70 mm
Blade Length: 19 mm
Unique 45° angle contours to the facial angle on the temporal side permitting accessibility for temporal and superior approach surgical techniques.

**Kraff-Sugita Nasal Adjustable Aspirating Wire Speculum – AE-1041AN**
Overall Length: 65 mm
Blade Length: 19 mm
Used with low suction setting or with syringe.

**Kraff Nasal Wire Speculum – AE-1041N**
Adjustable Model
Overall Length: 65 mm
Blade Length: 19 mm
Facilitates unobstructed access for temporal approach. Hand screw allows easy adjustment to accommodate patient’s requirements.

**Kraff-Sugita Nasal Adjustable Wire Speculum, Small – AE-1041AS**

**Kraff nasal LASIK Speculum, Heavy – AE-1041H**
**Slade Aspirating LASIK Speculum - AE-1042A**
Overall Length: 70 mm  
Blade Length: 17 mm  
Used with suction set on low or syringe

**Slade Adjustable LASIK Wire Speculum: Aspirating – AE-1042AN**
Overall Length: 70 mm  
Blade Length: 17 mm  
Used with low suction setting or with syringe.

**Slade LASIK Wire Speculum – AE-1042N**
Adjustable Model  
Overall Length: 70 mm  
Blade Length: 17 mm  
Specifically designed for maximum exposure of the globe and to accommodate the suction ring for efficient operation of the keratome. Angle of the speculum contours to the facial angle on the temporal side allowing for easy access of the keratome.

**Machat- Buratto Aspirating LASIK Speculum - AE-1043A**
Overall length: 70 mm  
Blade length: 15 mm  
Blades maximize exposure of the globe. Used with suction set on low or syringe
**Machat** Adjustable Aspirating LASIK Speculum – AE-1043AN
Overall Length: 70 mm
Blade Length: 15 mm
Blades maximize exposure of the globe.
Used with a suction set on low or syringe.

**Machat** LASIK Wire Speculum – AE-1043N
Adjustable Model
Overall Length: 80 mm
Blade Length: 16 mm
This adjustable wire speculum provides maximum exposure of the eye for LASIK. The ability to adjust and lock the speculum is important for maintaining control in patients with palpebral fissures or those with blepharospasm.

**Kraff** Solid Blade Nasal Speculum – AE-1044N
Adjustable Model
Overall Length: 60 mm
Blade Length: 14 mm
Blades minimize interference and contamination from the eyelashes.

**Temporal Speculum – AE-1045N**
Kraff Nasal Solid Blade Speculum, Heavy - AE-1044H

**Kraff** Solid Blade Speculum - AE-1045N
Overall length: 60 mm
Blade length: 14 mm
Blades minimize interference and contamination from eyelashes
**Miyajima Adjustable Aspirating Speculum - AE-1046AN**

Overall Length: 90 mm  
Blade Length: 15 mm  
30° angle.  
Ideal for patients with small eyes. Shape of blades does not cause discomfort to the patient. Continuous aspiration will keep the surgical field clear of excess fluid and debris, and may reduce the possibility of Sands of the Sahara.

**Miyajima Adjustable Speculum (non-aspirating) - AE-1046N**

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**Grene LASIK Speculum – AE-1047N**

Overall Length: 65 mm  
Blade Length: 15 mm  
30° angle.  
Ideal for patients with small eyes. Shape of blades does not cause discomfort to the patient. Continuous aspiration will keep the surgical field clear of excess fluid and debris, and may reduce the possibility of Sands of the Sahara.

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**Güell LASIK Speculum - AE-1048**

Overall length: 84 mm  
Blade length: 17 mm  
Extension blades protect and clear surgical field of thick inferior lids and obstruction of cheek.

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**Güell LASIK Speculum – AE-1048N**

Overall Length: 84 mm  
Blade Length: 17 mm  
Extension blades protect and clear surgical field of thick inferior and obstruction of cheek.
Alio LASIK Speculum - AE-1049
Overall length: 40 mm
Blade length: 75 mm
Accomodates the suction ring of the microkeratome

Castroviejo Speculum - AE-1050
Overall length: 80 mm
Blade length: 16 mm

Hata-Miyoshi Aspirating Speculum - AE-1051AN
Blade Length: 12 mm
Overall Length: 80 mm
Inward placement of holes along with center holes result in ease of aspiration.

Arnold Guarded Speculum - AE-1060
Blade Length: 14.60 mm
Overall Length: 73.60 mm

Cook Speculum
AE-1080 Infant
Overall length: 35 mm
Blade length: 8 mm

AE-1081 Child
Overall length: 40 mm
Blade length: 11 mm

AE-1082 Large
Overall length: 48 mm
Blade length: 15 mm
Murdock LASIK Speculum - AE-1083
Overall length: 50 mm
Blade length: 15 mm
Self-locking speculum

Jaffe Wire Speculum (Lid Retractor)
AE-1084 Small (pair)
Overall length: 40 mm
Blade length: 10 mm

AE-1085 Large (pair)
Overall length: 40 mm
Blade length: 76 mm
May be clamped to surgical drape with suture or elastic band

Jaffe Aspirating Wire Speculum - AE-1086 Large
Overall length: 62 mm
Blade length: 17 mm

Lancaster Temporal Solid Blade Speculum - AE-1089
Overall length: 79 mm
Blade length: 16 mm

Lester - Burch Solid Blade Speculum - AE-1090
Overall length: 84 mm
Blade length: 22 mm

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**Sauer** Solid Blade Pediatric Speculum - AE-1100
- Overall length: 31 mm
- Blade length: 11 mm

**McPherson** Solid Blade Speculum - AE-1110
- Overall length: 80 mm
- Blade length: 14 mm
- With vertical suture posts

**Guyton-Park** Speculum - AE-1122
- Solid blades
- Overall length: 80 mm
- Blade length: 14 mm
- With vertical suture posts and canthus hook

**Maumenee-Park** Speculum
- AE-1131 Fenestrated blades
- AE-1132 Solid blades
- Overall length: 80 mm
- Blade length: 74 mm
- Adjustable blades with locking screws for horizontal or vertical positioning, and canthus hook
**Park Speculum**  
**AE-1141** Fenestrated blades  
**AE-1142** Solid blades  
Overall length: 80 mm  
Blade length: 16 mm  
Adjustable blades with locking screws for horizontal or vertical positioning and canthus hook

**Williams Speculum - AE-1151** Adult  
Overall length: 79 mm  
Blade length: 15 mm

**Agrikola Lacrimal Sac Retractor - AE-1200**  
Overall length: 38 mm  
Blade length: 6 mm

**Stevenson Lacrimal Retractor - AE-1210**  
Overall length: 80 mm  
3 x 3 prongs
**Knapp** Lacrimal Sac Retractor - AE-1220  
Overall length: 135 mm

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**Desmarres** Lid Retractor  
AE-1231 Size 0

AE-1232 Size 1

AE-1233 Size 2

AE-1234 Size 3  
Overall length: 134 mm  
Solid stainless steel

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**Schepens** Orbital Retractor - AE-1240  
Overall length: 154 mm

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**Graether** Iris Retractor/Collar Button  
AE-1250 Straight

AE-1251 Angled  
Overall length: 120 mm  
Tip diameter: 0.85 mm

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**Jaeger Stainless**  
Steel Lid Plate  
AE-1260  
Overall length: 109 mm
**FIXATION RINGS**

**Flieringa**
Scleral Fixation Ring
AE-1312 12 mm
AE-1313 13 mm
AE-1314 14 mm
AE-1315 15 mm
AE-1316 16 mm
AE-1317 17 mm
AE-1318 18 mm
AE-1319 19 mm
AE-1320 20 mm
AE-1321 21 mm
AE-1322 22 mm (Shown)

**Schachar Blepharostats**
AE-1400 Small
Overall length: 24 mm
Blade width: 10 mm
AE-1400L Large
Overall length: 24 mm
Blade width: 14 mm

**Feldstein blepharostat - AE-1410**
sharp

**Feldstein blepharostat - AE-1420**
square

**Castroviejo Caliper**
AE-1500 Straight
AE-1501 Curved
Overall length: 86 mm
Measures 1.0 mm to 20.0 mm in 1.0 mm increments
AE-1502
Measures 1.0 mm to 2.0 mm in 0.5 mm increments
**Osher Incision Caliper - AE-1503**
Overall length: 68 mm
Measures 1.0 mm - 10.0 mm in 1.0 mm increments.
For internal wound measurement of cataract incisions

**Nordan Wound Size Caliper - AE-1505**
Overall length: 116 mm
Measures incision sizes of 2.8 mm - 4.0 mm in 0.20 mm increments

**Ruler - AE-1510**
Overall length: 159 mm
Stainless Steel

**Galand Incision Marker**
AE-1515 3.0 mm
AE-1516 3.2 mm
AE-1517 3.5 mm
AE-1518 4.0 mm
AE-1519 4.5 mm
AE-1520 5.0 mm
AE-1514 5.5 mm
AE-1521 6.0 mm
AE-1511 7.0 mm
AE-1512 7.5 mm
AE-1513 8.0 mm
Overall length: 49 mm
MARKERS

**Hunkeler Frown Marker - AE-1522**
Overall length: 96 mm
Marks 3.0 mm, 4.0 mm, 5.0 mm, 6.0 mm incision

**Singer Frown Incision Marker**
**AE-1523**
Overall length: 98 mm
3.9 mm and 5.7 mm width for 5.0 and 7.0 mm IOL respectively

**AE-1524**
Overall length: 98 mm
4.8 mm width for 6.0 mm IOL

**Kansas Linear Marker - AE-1525**
Overall length: 98 mm
Marks sclera 2.0 mm behind cornea and marks incision size at 3.0 mm, 4.0 mm, 5.0 mm, & 6.0 mm

**Crandall USC Glaucoma Marker - AE-1526**
Overall length: 98 mm
Outer square: 5.0 mm x 5.0 mm
Inner triangle: 5.0 mm x 5.0 mm x 4.0 mm
Marks pattern to Unroof Schle mm’s Canal for deep sclerotomy and viscocanalostomy

**Jarstad Marker - AE-1527**
Overall length: 98 mm
Makes a 2.8 mm to 4.0 mm frown type “no-stitch” incision. Features a corneal valve mark to facilitate entry into the anterior chamber
Kraft  Clear Corneal Marker - AE-1528  3.5 mm
Overall length: 95 mm

Neuhann USC
Glaucoma Marker - AE-1529
Overall length: 93 mm
Outer pattern: 5.0 mm x 5.0 mm
Inner pattern: 4.0 mm x 4.0 mm
Marks pattern to Unroof
Schle mm’s Canal for deep sclerotomy
and viscocanalostomy.
Swivel handle comfortably
marks from either temporal or
superior approach

Jameson Caliper - AE-1530
Overall length: 94 mm
Narrow tips

Thorpe Caliper - AE-1540
Overall length: 720 mm
Measures up to 80 mm,
angled 3.0 mm tips

Holladay-Godwin Pupil Gauge - AE-1573
Measures pupil sizes from 0.5 mm, and 7.0 mm to 70.0 mm in 7.0 mm increments.
Used to measure pupil size prior to refractive surgery to determine
the appropriate OZ size for the laser procedure to avoid possible
night glare problems
Tsuneoka Incision Gauges – AE-1574T
Set of 16 Titanium Blades
Measures 1.0 mm to 2.5 mm in 0.1 mm increments.

Holladay-Godwin Cornea Gauge - AE-1576
Diameters range from 9.0 mm to 74.0 mm in 0.5 mm increments.
Used to measure the horizontal cornea diameter for IOL and implantable contact lens measurement

Hunkeler Internal Caliper - AE-1578
Measures up to 4.0 mm in 0.1 mm increments for precise measurement,
With adjustable screw

Staar® Cartridge Holder – AE-1579
Length: 20.5 mm
Width: 25.4 mm
Height: 30.5 mm
Consists of an ergonomic stainless steel block that holds the SFC4SFP cartridge in place without lateral, forward or backward movement when loading the lens into the cartridge. Allows for correct placement of the lens in the cartridge to avoid torquing, tearing, or damage to the lens during implantation.

Staar® is a registered brand of Staar Surgical.

Crandall Capsulorrhexis Incision Gauges – AE-1582T
Set of 18 Titanium Blades
Measures 1.5 mm to 3.2 mm gauge in 0.1 mm increments. Laser lines on the back of each gauge to measure CCC.
John DMEK Twin Block – AE-1586
Overall Length: 69 mm
Width: 51 mm
Height: 19 mm
2 Cavities of 16 mm Diameter
Block consists of twin wells specially designed to hold the donor cornea and help the surgeon in the donor tissue preparation. It facilitates separation of the Descemet's membrane (DM) from the donor corneal button. The John DMEK block helps in separation, staining, and temporary placement of the donor DM and endothelial cells until transplanted to the recipient cornea.

ASICO Beveled Degree Gauge without Teeth – AE-1589
Overall Length: 108 mm
ID: 12 mm
OD: 16 mm
Darker engraving for easy reading of the gauge. Bevel allows for markings to be closer to the eye for better visibility during marking. Inside cut-outs align with pre-op marks. Markings every 5°.

ASICO Beveled Degree Gauge with Teeth – AE-1590T
Overall Length: 101.50 mm
ID: 12 mm
OD: 16 mm
Features laser lines every 5° for greater accuracy. Beveled design allows maximum visibility under the microscope. Fixation teeth provide better stability.

Miyata LRI & Toric Gauge – AE-1591
Overall Length: 101 mm
ID: 10.5 mm
OD: 14.8 mm
Markings every 5°. Comes with atraumatic fixation teeth. Can be used for both LRI and Toric.

Yeoh Toric Gauge – AE-1592N
Overall Length: 110 mm
ID: 12 mm
OD: 14 mm
Markings every 10°. Thin, 2 mm rim provides much easier access to the eye as compared to conventional Mendez Degree Gauges. Small, outer diameter accommodates smaller corneas.
Graether Degree Gauge – AE-1594N
Overall Length: 104 mm
ID: 12 mm
OD: 16 mm
Four elevated extensions on bottom at 0°, 90°, 180° and 270° which can be used as stabilizers or for putting clean Intra-Op markings on the eye. Can also potentially be used as a pre-op marker. Degree markings are 10° apart. Recommended for use with Graether Half Circle Axis Marker, AE-2798N.

Yeoh Thin Toric Gauge – AE-1595
Inner Diameter: 12 mm
Outer Diameter: 14 mm
Markings are shown at every 5°, with 4 slots at 0°, 90°, 180° and 270°. Slots at 0° and 180° are at the inner ring, and slots are at 90° and 270° for the outer ring. The surgeon can insert a marking pen tip in the slot for marking.

Bowman Lacrimal Probe
AE-1600 Size 0000 and 000
AE-1610 Size 00 and 0
AE-1612 Size 1 and 2
AE-1614 Size 3 and 4
AE-1616 Size 5 and 6
AE-1618 Size 7 and 8
Overall length: 150 mm
Malleable stainless steel

Harms Trabeculotomy Probe with Guide
AE-1630 Right
AE-1631 Left
Overall length: 48 mm
**Castroviejo Lacrimal Dilator - AE-1640**
Overall length: 140 mm

**Infant Lacrimal Dilator**
**AE-1650** Stainless steel
**AE-1651** Silver
Overall length: 70 mm

**Wilder Lacrimal Dilator**
**AE-1660** Long taper
**AE-1661** Medium taper
**AE-1662** Short taper
Overall length: 101 mm

**Catalana Lacrimal Intubation Set - AE-1670**
Diameter: 0.70 mm
Overall length: 140 mm
Blunt stainless steel malleable probe, attached to 0.31 mm ID x 0.64 mm OD, silicone tubing 300 mm long

**Crawford Lacrimal Intubation Set - AE-1675**
Probe with tubing only
2 olive tip stainless steel probes, 0.60 mm diameter x 150 mm long, attached to 0.31 mm ID x 0.64 mm OD, silicone tubing 300 mm long
AE-1676 Retrieving hook

**Crawford Lacrimal Intubation Set - AE-1676**
Retrieving hook

**Schockett Scleral Depressor - AE-1700**
Overall length: 135 mm
DEPRESSORS

Packo Scleral Depressor with Marker - AE-1701
Overall length: 135 mm
To mark pars plana incision. Flat handle on top represents the marker position

May Scleral Depressor - AE-1702
Overall length: 93 mm
Sandblasted tip

Schepens Scleral Depressor
AE-1705 Small
AE-1706 Medium
AE-1707 Large
Overall length: 43 mm
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Astigmatic markers have a reference mark on anterior side to align with gauge for exact marking on the steeper meridian of the cornea. LASIK markers feature a non-contact optic zone of 3.0mm or greater. This prevents indentation of epithelium in the visual zone, which may effect postoperative vision. LASIK markers also feature radial and pararadial marks for alignment of the flap and to prevent inadvertent upside-down placement of a free cap.
Meyerhoefer Curette
Chalazion
AE-2000 1.50 mm
AE-2001 1.75 mm
AE-2002 2.00 mm
AE-2003 2.50 mm
AE-2004 3.50 mm
Overall Length: 125 mm

Iris Spatula - AE-2040
Overall length: 730 mm
Blade width: 1.00 mm and 7mm
Malleable Stainless Steel

Barraquer Iris Spatula - AE-2049
Overall length: 120 mm
Angle to tip: 12 mm
Tip width: 0.25 mm

Troutman-Barraquer Iris Spatula - AE-2050
Overall length: 92 mm
Angle to tip: 15 mm
Tip width: 0.50 mm

Fry Iris Spatula - AE-2052
Overall length: 125 mm
Angle to tip: 15 mm
Tip width: 0.50 mm
**Castroviejo Synechiae Spatula - AE-2060**
Overall length: 128 mm
Angle to tip: 10 mm & 13 mm
Tip width: 0.50 mm
Semi-sharp tip

**Girard Synechiae Spatula - AE-2065**
Overall length: 120 mm
Angle to tip: 10 mm
Tip width: 0.50 mm
Semi-sharp tip

**Castroviejo Cyclodialysis Spatula**
**AE-2071** 0.25 mm wide
**AE-2072** 0.50 mm wide
Overall length: 138 mm
Angle to tip: 10 mm & 13 mm

**Graefe Muscle Hook**
**AE-2101** Size 1 (8.00 mm x 1.00 mm)
**AE-2102** Size 2 (10.00 mm x 1.50 mm)
**AE-2103** Size 3 (10.00 mm x 2.00 mm)
Overall length: 140 mm

**Jameson Muscle Hook - AE-2110**
Overall length: 127 mm
Tip length: 8 mm
Tip width: 1.30 mm
Green Muscle Hook - AE-2120
Overall length: 127 mm
Tip length: 9.00 mm
Tip width: 2.00 mm

May Muscle Hook
AE-2125
AE-2126 With oblong hole
Overall length: 147 mm
Tip width: 2.30 mm
Hole size: 130 mm

Gass Retinal Detachment Hook - AE-2128
Overall length: 143 mm
Hole size: 2.00 mm
With oval hole

Bonn Micro Iris Hook - AE-2150
Overall length: 143 mm
Tip width: 0.55 mm
Blunt tip

Shepard Iris Hook - AE-2160
Overall length: 125 mm
Tip width: 1.00 mm
Small, blunt tip

Hirschman Iris Hook - AE-2170
Overall length: 110 mm
Angle to tip: 10 mm
Tip width: 1.00 mm
Blunt tip

Knolle Iris Hook - AE-2172
Overall length: 120 mm
Tip width: 0.80 mm
Small, very blunt tip
**John DXEK/DSAEK Fixation Hook – AE-2182**

Overall Length: 130 mm  
Shaft Length: 30 mm  
Shaft Diameter: 0.7 mm  
Exquisite design allows for effective fixation of the donor 'taco' during air injection to unfold the donor disk within the recipient anterior chamber.

---

**Vinciguerra LASEK Butterfly Protector - AE-2183**

Overall Length: 119 mm  
Uniquely designed instrument retracts and protects epithelial flap during laser ablation; black coated tip.

---

**Seibel Fine Fixation Ring - AE-2184**

Overall Length: 107 mm  
Requires 4-6 mm less palpebral fissure, and still provides 13 mm of fixation; the patient's lids do not need to be stretched as much as usual. This is extremely valuable to all patient's comfort, especially those with small eyes.

---

**Dell Fixation Ring - AE-2186**

3.5 mm diameter  
Extremely low profile allows for excellent visibility; integrated flap shield is angulated away from the surgical field to deflect ablated metal particles away from the corneal bed.

---

**Kraff Hyperopic Fixation Ring - AE-2187**

Overall length: 103 mm,  
Outer dimension: 12.5 mm,  
Inner dimension: 9.5 mm, 45 degree angle.  
Designed for the hyperopic LASIK procedure; Base of ring has a hinge protector that prevents the laser from ablating the hinge as it scans the bed of the flap.

---

**Whitten LASIK Fixation Ring - AE-2189**

Overall length: 99 mm  
Diameter: 16.0 mm  
Height: 6 mm  
Smooth teeth allow for uniform pressure on the globe with one handed control of eye.  
Protects flap from debris.
Fixation Hook Small - AE - 2190
Overall Length: 122 mm
For scleral fixation

Fixation Hook Large - AE - 2191
Overall Length: 129 mm
For scleral fixation

Twist Hook
AE-2194 Right
AE-2195 Left
Overall length: 108 mm
For scleral fixation

Dillman Hook AE-2196
Overall length: 119 mm
Distance between prongs: 8.0 mm
Two prong configuration securely fixates eye without damaging scleral tissue.
Unique angle allows for comfortable hand position for clear cornea procedure

Burch Scleral Fixation Pick - AE-2197
Overall length: 132 mm

Fine-Thornton Fixation Ring
AE-2198
13.0 mm diameter for clear cornea
AE-2199
16.0 mm diameter for clear cornea & refractive procedures
Overall length: 115 mm
Opening size: 8.0 mm for 13.0 mm
9.0 mm for 16.0 mm
Kurosaka Fixation Ring – AE-2200
Overall Length: 94 mm
Thickness of Ring: 1 mm
Tooth Height: 0.5 mm
Used in the Micro Coaxial procedure to stabilize the globe when making an incision or when inserting the Phaco hand piece as well as IOL implantation during the Counter Traction Implantation Technique. Unique feature is handle position and the 135° arc that allows for better stabilization. The handle position is ergonomically designed for maximum surgeon comfort. Features non traumatic teeth that allows for stabilizing the globe during different steps of the Micro Coaxial procedure.

Sinskey II IOL Manipulating Hook
AE-2206 Straight
AE-2208 Angled (angle to tip: 10.0 mm)
Overall length: 115 mm
Tip diameter: 0.20 mm
Blunt tip

Price-Sinskey Hook – AE-2207
Overall Length: 113 mm
Shaft Length: 18 mm
Tip Length: 0.5 mm
Specially designed hook for scoring Descemet’s membrane during Descemet’s stripping procedures with PLK/DLEK procedures. Designed to be inserted through a stab incision. This hook is also useful for opening the side cuts on Intralase flaps.

Sinskey No Hole IOL Manipulator - AE-2209
Overall length: 1115 mm
Tip Diameter: 0.20 mm
Blunt tip

Chee Suture Retrieving Hook – AE-2210
Overall Length: 11 mm
Angle to Tip: 9 mm
Tip Width: 0.6 mm
Tip is ‘T’ shaped, the length of the horizontal line (in T) is 0.69 mm
Iris fixation of IOLs and other iris suturing techniques using the Siepser sliding suture require the hooking of a 9 or 10/0 prolene suture from the anterior chamber angle before externalizing and tying the knot. This maneuver is repeated several times. The Chee suture retrieving hook is designed with this specific aim in mind and makes this tedious step simpler and safer.
Harris-Sinskey IOL Manipulating Hook - AE-2212
Overall length: 115 mm
Angle to tip: 10 mm
Tip diameter: 0.25 mm
Blunt tip

Fugo Hook - AE-2217
Overall length: 120 mm
Tip width: 1.30 mm
Ideal for "side to side" and "up and down" nucleus and lens manipulation

Double Hook IOL Manipulator & Iris Retractor - AE-2218
Overall length: 115 mm
Tip width: 0.80 mm
Ideal for "side to side" and "up and down" lens manipulation and to stretch anterior capsule

Bahr- Maltzman Hook - AE-2219
Overall length: 118 mm
Angle to tip: 10 mm
Tip width: 0.80 mm
Ideal for manipulation at the haptic-optic junction of "No Hole" IOLs. Hook is bent to the right for easy clockwise rotation

Kurosaka Fixation ring - AE-2200
Overall Length: 94 mm,
Thickness of ring: 1 mm, Tooth height: 0.5 mm.
Used in the Micro Coaxial procedure to stabilize the globe when making an incision or when inserting the Phaco hand piece as well as IOL

Fenzl Hook, Angled - AE-2221
Overall Length 115 mm
Lens manipulating hook
**Maltzman-Fenzl** Modified IOL Manipulator - **AE-2222**
- Overall length: 115 mm
- Angle to tip: 10 mm
- Tip diameter: 0.15 mm
- Slightly bent forward to decrease incidence of disengagement at haptic-optic junction

**Jaffe** IOL Manipulator - **AE-2223**
- Overall length: 110 mm
- Angle to tip: 10 mm
- Tip diameter: 0.15 mm

**Beehler** Irrigating Pupil Expander – **AE-2225**
- Length of Handle: 125 mm
- Shaft Length: 25 mm
- Ideal for small incision clear cornea and can be used through a 2.5 mm Phaco incision. 2 flexible U-shaped retractors engage and expand the pupil in a triangular shape, easy to use plunger mechanism can be used with or without irrigation simply by exchanging the cap. Built in irrigating port for continuous irrigation so viscoelastic dependency can be reduced. The irrigation port can also be used for easy internal cleaning.

**Kuglen** Iris Hook & IOL Manipulator
- **AE-2230** Straight
- **AE-2231** Angled (angle to tip: 10 mm)
- Overall length: 120 mm
- Tip width: 0.80 mm
- Push-pull model

**Little** No Hole IOL Manipulator Straight - **AE-2234**
- Overall length: 115 mm
- Tip width: 1.20 mm
- Engages haptic-optic junction to manipulate the IOL

**Kratz** IOL Manipulator - **AE-2241**
- Overall length: 115 mm
- Angle to tip: 10 mm
- Tip diameter: 0.15 mm
**Tennant IOL Manipulating Hook – AE-2250**
Overall Length: 120 mm
Loop Width: 1 mm
Tip Diameter: 0.3 mm
Used for IOL manipulation.
Hook is completely polished with rounded tip to avoid scratching IOL.

**Jaffe IOL Spatula - AE-2310**
Overall length: 120 mm
Angle to tip: 10 mm
Tip width: 0.50 mm
Flat, smooth tip

**Obstbaum IOL Spatula - AE-2320**
Overall length: 120 mm
Angle to tip: 10 mm
Tip width: 0.25 mm
Flat tip

**Paton Spatula & Spoon - AE-2321**
Overall Length: 142 mm

**Wheeler Spatula - AE-2322**
Overall length: 139 mm
Tip width: 1.25 mm
Lightly curved

**Kimura Platinum Spatula - AE-2325**
Overall length: 149 mm
Width: 4.00 mm
**Slade** Femtosecond Spatula – **AE-2326**
Overall Length: 113 mm  
Angle to Tip: 10 mm  
Tip Width: 0.3 mm  
Designed with a flat tip. Used to open the main and sideport incisions made by the Femtosecond laser procedure.

**Ahn** DMEK Rake – **AE-2327**
Overall Length: 113 mm  
Angle to Tip: 10 mm  
Tip Width: 0.7 mm  
Unique design with a blunt T-shaped rake to help easily pull the Descemet's membrane away from the stroma.

**John** DMEK Large Crystal Spatula – **AE-2328**
Overall Length: 114 mm  
Angle to Tip Length: 12 mm  
Tip Diameter: 0.4 mm  
Spatula has a smooth, rounded, olive tip extremity which is specially designed to use on the donor Descemet's membrane within the recipient anterior chamber. It facilitates unrolling of the donor DM.

**John** DMEK Small Crystal Spatula – **AE-2329**
Overall Length: 115 mm  
Angle to Tip Length: 10 mm  
Tip Diameter: 0.3 mm

**Lane** Femtosecond Cataract Incisional Spatula - **AE-2331**
Overall Length 125 mm  
Specially designed double-ended instrument for opening femtosecond created primary, secondary, and arcuate incisions in cataract surgery

**Kobayashi** Busin DSAEK Glide - **AE-2335**
Overall Length 125 mm  
The Kobayashi-Busin glide is characterized by the circular marker for better centering the donor while keeping same internal diameter with the original one.
Hessburg IOL Pusher - AE-2400
Overall length: 115 mm
Straight with guard

Aker IOL Pusher - AE-2401
Overall length: 120 mm
Straight with guard

Lester IOL Pusher
AE-2410 Straight
AE-2411 Angled
(angle to tip: 10 mm)
Overall length: 115 mm
Tip diameter: 0.25 mm
Hour glass shaped tip for IOL manipulation

Lester No Hole IOL Manipulator - AE-2412
Overall length: 115 mm
Angle to tip: 10 mm
Tip diameter: 0.25 mm
Hour glass shaped tip for IOL manipulation

Maloney No Hole IOL Manipulator - AE-2413
Overall length: 120 mm
Tip diameter: 0.25 mm
Hour glass shaped tip for IOL manipulation
Osher “V” Hook No Hole IOL Manipulator - AE-2419
Overall length: 120 mm
Distance between tips: 0.60 mm

Zaldivar ICL® Manipulator - AE-2420
Overall length: 134 mm
Angle to tip: 13.5 mm/ 9.0 mm
Width: 0.80 mm
Designed for myopic and hyperopic lenses

Batlle ICL® Manipulator – AE-2421
Overall Length: 119 mm
Tip Length: 1.1 mm
Angle at Bend: 45°
Designed to tuck haptics of the ICL® under the iris plane. Olive atraumatic tip engages the haptics allowing for easy placement of the ICL®.

Spadafora Memorylens® Dialer - AE-2422
Overall length: 111 mm
Tip width: 0.90 mm
Dual prongs straddle superior haptic in a secure manner to dial lens into position in the capsular bag

Ichikawa Double Ended ICL® Manipulator – AE-2423
Overall Length: 133 mm
Angle to Tip: 12 mm
Tip: 0.7 mm x 0.9 mm
The double ended tips are in an ellipse form, the ellipse width represents the larger axis, and length represents the smaller axis.
Double ended instrument allows for manipulation from both sides. Bent tip allows an easier approach to the ICL® for better manipulation. Posterior surface of instrument is micro sandblasted.

ICL® is a registered brand of Staar Surgical.

www.asico.com
Crandall USC Glaucoma Scleral Planer - AE-2430
Overall length: 103 mm
Angle to tip: 10 mm
Tip width: 1.00 mm
Dual cutting edges rapidly remove layers of sclera to unroof Schlemm's Canal for viscocanalostomy and other non-invasive trabeculotomy procedures

Crandall USC Glaucoma Scleral Shaver - AE-2431
Overall length: 113 mm
Angle to tip: 10 mm
Cutting edge removes layers of sclera to unroof Schlemm's Canal for viscocanalostomy and other non-invasive trabeculotomy procedures

Uy Femtosecond Lens Fragmentation Combo Manipulator - AE-2433
Overall Length 133 mm
Double-ended instrument featuring two ends, a chopper/stabilizer and a lens manipulator. Chopper side helps breaks up nucleus fragmented using a femtosecond laser. Spatulated tip helps to manipulate nuclear, epinuclear, and cortical fragments to facilitate aspiration and phacoemulsification.

Miyoshi Sideport Manipulator - AE-2498
Ball tip diameter: 0.35 mm
Angle to tip: 1.65 mm
Features sandblasting on the ball and shaft for better control in the presence of viscoelastic

Espaillat- Deblasio Nucleus Rotator - AE-2499
Overall length: 120 mm
Angle to tip: 10 mm
Tip diameter: 0.80 mm
Rotates and manipulates nucleus and IOL, retracts iris
**Bechert Nucleus Rotator - AE-2500**
- Overall length: 110 mm
- Angle to tip: 7 mm
- Tip width: 0.70 mm
- Blunt forked tip

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**Jaffe-Bechert Nucleus Rotator - AE-2501**
- Overall length: 115 mm
- Angle to tip: 9 mm
- Tip width: 0.70 mm

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**Koch II Phaco Manipulator - AE-2502**
- Overall length: 116 mm
- Tip width: 0.80 mm
- Combination of smooth tip and two grooves increases versatility without compromising safe use in the posterior chamber

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**Yankee Nucleus Rotator - AE-2503**
- Overall length: 125 mm
- Tip diameter: 1.00 mm

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**Graether Side Port Manipulator - AE-2504**
- Overall length: 115 mm
- Tip diameter: 0.35 mm
- For stretching iris through paracentesis

---

**Koch Phaco Manipulator & Splitter - AE-2505**
- Overall length: 115 mm
- Tip width: 0.80 mm
- Thin, smooth spatula can push, rotate, lift, and split nucleus. Also protects posterior capsule and cornea
**Maloney Nucleus Rotator**

- **AE-2512** With spatulated tip
- **AE-2513** With forked tip
  
  Overall length: 135 mm
  Angle to tip: 12 mm
  Tip width: 0.50 mm (spatula) 0.60 mm (fork)
  For manipulating hard and soft nuclei

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**Mandel Nucleus Rotator - AE-2506**

Overall length: 115 mm
Angle to tip: 10 mm
Tip diameter: 0.70 mm

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**Kellan Nucleus Segmentor - AE-2507**

Overall length: 120 mm
Paddle length: 1.80 mm
Paddle-shaped to split nucleus

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**Tennant Nucleus Manipulator - AE-2508**

Overall length: 120 mm
Angle to tip: 10 mm
Tip diameter: 0.65 mm
To split and rotate nucleus

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**Little Malleable Spatula - AE-2509**

Overall length: 125 mm
Tip width: 0.50 mm
Malleable tip allows for customized configuration to manipulate nucleus

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**Johnson Spatula - AE-2511**

Overall length: 115 mm
Angle to tip: 10 mm
Tip width: 0.30 mm
With sharp tip for nucleus manipulation and stab technique

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www.asico.com
Nagahara Phaco Chopper - AE-2515
90° Cutting Edge
Overall length: 110 mm
Cutting Edge length: 1.50 mm
Can be used by right or left-handed surgeon

Nordan Capsule Elevator - AE-2516
Overall length: 110 mm
Angle to tip: 10 mm
Tip diameter: 1.50 mm
For in-the-bag IOL placement

Nagahara Phaco Chopper IV
AE-2517 60° cutting edge
AE-2517A 60° cutting edge, curved
AE-2517L* 60° cutting edge, left handed
Overall length: 110 mm
Cutting Edge length: 1.50 mm
60° cutting edge cuts in the direction of the phaco hand piece
*AE-2517L is designed to be used in the right hand for left-handed surgeons

Lieberman Micro-Finger - AE-2518
Overall length: 136 mm
Angle to tip: 10 mm
Tip width: 0.40 mm and 0.70 mm
Stabilizes, positions, retracts, and lifts lens to facilitate efficient emulsification. Iris Spatula is useful for various manipulations in anterior segment surgery

Koch-Nagahara Spatula & Chopper - AE-2520
Overall length: 130 mm
Cutting edge: 1.50 mm
Cutting edge of chopper is 60° to cut toward phaco tip; manipulator pushes, rotates, lifts, and splits, also serves as a protective barrier between phaco tip and posterior capsule
Kammann Prechopper
AE-2521 Angled, superior
AE-2522 Straight, temporal
Overall length: 112 mm
Cutting edge: 2.20 mm
Divides nucleus into 4 quadrants before phaco to significantly reduce phaco time and risk of damaging endothelium

Minami “M” Hook™ - AE-2523
Overall length: 118 mm
Tip diameter: 0.25 mm
Chopper, splitter, dissector, Spatula, retractor, protector, and manipulator

Friedman-Koch Universal Chopper & Spatula - AE-2524
Overall length: 134 mm
Cutting edge (chopper): 1.50 mm
Tip width (manipulator): 0.80 mm
Double cutting edges of chopper enhance chopping in either direction and can be used by right or left handed surgeon; Indented manipulator retracts and stretches irises as well as provides greater traction for manipulation of nucleus

Akahoshi Nucleus Sustainer - AE-2525
Overall length: 115 mm
Tip diameter: 0.50 mm Angle to tip: 1.65 mm
Protects zonules when used with Akahoshi Prechoppers on nuclei of grades 3-5

Friedman Phaco Manipulator - AE-2526
Overall length: 111 mm
Width: 0.50 mm
Broad surface facilitates nucleus cracking; Curved ends act as pushpull tool for manipulation of iris, IOL, nucleus, or anterior capsule
Olson Phaco Chopper - AE-2527
AE-2527L For left handed surgeons
Overall length: 112 mm
Cutting edge: 2.00 mm
60° cutting edge. Bottom plate hugs posterior surface of nucleus to efficiently cleave nucleus. Protrusionion front surface of chopper retract iris and anterior capsule.

Koch-Minami Chopper – AE-2528
Overall Length: 115 mm
Shaft Length: 16 mm
Tip Bend: 135°
Most versatile second hand instrument that can be used as a divider, dissector, manipulator and protector. Smooth round tip does not damage posterior capsule.

Nagahara Karate Chopper - AE-2529
Overall length: 110 mm
Tip length: 1.50 mm
For quick-chop technique on nuclei of grades 3 or higher; spear-shaped tip chops nucleus. Recommended to set phaco at aspirate mode to fixate nucleus with phaco tip.

Akahoshi Nucleus Manipulator – AE-2530
Overall Length: 115 mm
Tip Diameter: 0.40 mm
Angle to Tip: 1.90 mm
Long tip supports even the deepest part of nucleus. Small microball is easy to manipulate and used through sideport. Also used in Dr. Akahoshi’s Counter Traction Implant Technique for the new Micro Coaxial cataract surgery. Counter force is provided by the sustainer during this technique at the sideport incision, while the IOL is injected through the main incision. This technique enables a 6 mm optic lens to be implanted through a 2.2 mm incision or more.

Akahoshi Nucleus Manipulator (Myopic eye) – AE-2530L
Overall Length: 116 mm
Tip Diameter: 0.40 mm
Angle to Tip: 2.75 mm
Long tip supports even the deepest part of nucleus.
**Vukich ICL®/Toric Lens Manipulator – AE-2531**

Overall Length: 110 mm  
Shaft Length: 8 mm  
Designed to allow gentle positioning of the ICL® haptics under the iris plane. Tip maximizes surface contact with the ICL® which allows for easy manipulation. Posterior surface of the tip is micro sandblasted to achieve added surface contact.

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**Miyoshi Chopper – AE-2532**

Overall Length: 113.3 mm  
Tip Length: 1.25 mm  
Angle to Tip: 1.8 mm  
Ergonomic design allows ease of chopping with minimal movement. The chopper’s angle and rounded tip makes it easy to separate the posterior plate of the nucleus. The cutting edge length of 1.25 mm and round tip prevents possible damage to the equatorial posterior capsule.

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**Miyoshi Chopper II – AE-2532S**

Overall Length: 113 mm  
Angle to Tip: 11.5 mm  
Cutting Edge Length: 1.6 mm  
Smaller bent shaft allows for easier manipulation through a 0.6 mm sideport incision. Ergonomic design allows ease of chopping with minimal movement. The chopper’s angle and rounded tip makes it easy to separate the posterior plate of the nucleus. The cutting edge length of 1.25 mm and round tip prevents possible damage to the equatorial posterior capsule.

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**Nagahara Tomahawk Chopper - AE - 2533**

Overall length: 116 mm, 45 degree angle.  
Distinct shape of the Spatula allows for wider contact of the nucleus.

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**Inamura Chopper - AE - 2534**

Overall length: 110 mm,  
Angle at 135 degrees, Bend to tip: 11 mm  
Angled tip is used to elevate the nucleus away from the posterior capsule toward the phaco tip for phaco efficiency. Smooth, angled edges offer the utmost protection to the posterior capsule while manipulating the nucleus.
Akahoshi Nucleus Ring Sustainer – AE-2536

Ring Diameter: 1.0 mm
Angle to Tip: 2.5 mm
Used to manipulate the hard nucleus during the Prechopping technique. Features a ring to fit under the posterior plate of the nucleus and secure the lens. Instrument is designed for maximum protection of the posterior capsule.

Lane Quick Chopper – AE-2537

Overall Length: 115 mm
Shaft Length: 10 mm
Tip Length: 10 mm
A broad “ax-like” tapered end which penetrates even the hardest nuclei while avoiding the sharp “point-like” ends of some quick choppers. The broader tip also aids in chopping softer nuclei that a sharper chopper might otherwise “cheese wire” through. The leading cutting edge is angled so that after initial penetration of the chopper the lens can also cut in a horizontal direction.

Harry-Yamada Phaco Chopper – AE-2539

Overall Length: 112 mm
Blade Length: 20 mm
Tip Width: 0.45 mm
Sharp, polished edge on right side of the chopper tip easily cuts soft to moderate nuclei. Manipulation of the nucleus is easily done with its broad tip face. The lower end of the tip and left side of the chopper is blunt, which prevents anterior and posterior capsular damage.

Lewis Lens Loop - AE-2540

Overall length: 139 mm
Loop length: 1.0 mm
Width: 4.0 mm

Tan Micro Lamellar Dissector – AE-2541

Overall Length: 111 mm
Used to initiate dissection of the anterior 1/2 corneal stroma after partial trephination of about 2/3 corneal thickness in DALK procedure.

Tan Large Lamellar Dissector – AE-2547

Completes dissection of the anterior 1/2 corneal stroma after initial dissection with the micro lamellar dissector in DALK procedure.
**Iori Phaco Easy Cutter – AE-2542**
Overall Length: 114 mm  
Shaft Length: 17.5 mm  
Tip Width: 0.54 mm  
Designed for Tilt & Crack technique which allows the surgeon to perform phacoemulsification in less time. Can be used for splitting both medium and hard nuclei.

**Naomi Phaco 3D Divider – AE-2543**
Length of the Angle to Base: 10 mm  
Tip Length: 1.5 mm  
Tip Width: 0.8 mm  
The “3D” part of the chopper has three surfaces for nucleus contact, allowing for effective manipulation of the nucleus.

**Nagahara-Ahn Small Pupil Chopper – AE-2544**
Overall Length: 115 mm  
Modified Nagahara Chopper with shorter, 1.25 mm inner cutting edge. Notch opposite the cutting edge is for retraction of small pupils or floppy iris syndrome.

**Morrison Lens Loop - AE-2545**
Overall length: 145 mm  
Width: 4.30 mm  
With olive tip

**Lubeck Horizontal Chopper/Nucleus Sustainer – AE-2546**
Overall Length: 116 mm  
Sustainer Tip Diameter: 0.4 mm  
Chopper Angle to Tip: 60°  
Nagahara chopper on one end to chop towards the phaco handpiece (AE-2517). Akahoshi sustainer on the other end to rotate and manipulate the lens.
Aguilar Sustainer – AE-2548
Overall Length: 117 mm
Paddle Width: 0.7 mm
Works with Aguilar Prechopper in counter prechopping technique.
Designed to take into account the peripheral curvature of the lens.
Holds the lens securely during the counter traction technique.

Tan Marginal Dissector – AE-2549
Overall Length: 115 mm
Used to effectively separate any remaining stromal from the Descemet’s membrane at the periphery of the big bubble in DALK procedure.

New Orleans Lens Loop -AE-2550
Overall length: 734 mm
Width: 4.80 mm

Escaf Nucleus Sustainer – AE-2551
Overall Length: 123 mm
Tip Diameter: 0.4 mm
Used through the sideport incision, after hydrodissection. Holds the nucleus when making the fracture with the ultrachopper tip in hard cataracts. Also enhances the fracture of the posterior plaque.

Escaf Nucleus Manipulator – AE-2552
Overall Length: 123 mm
Tip Width: 1 mm
Tip Length: 1.5 mm
Used post-nucleus fracture. Works through the sideport incision in guiding fragments of chopped nuclei towards the phaco tip. Helps protect the posterior capsule.
Escaf Nucleus Divider – AE-2553
Overall Length: 123 mm
Tip Width: 0.55 mm
Tip Length: 1.4 mm
Used through the sideport incision. Helps initially fracture the nucleus into 2 parts. Can then be used to further divide the nucleus based on surgeon’s preference.

Kansas Lens Loop - AE-2554
Overall length: 135 mm
Width: 3.0 mm
For small incision nucleus fragment removal. With serrations

Wilder Lens Loop - AE-2556
Overall length: 137 mm
Width: 3.60 mm
With serrations

Barraquer Lenticular Spoon - AE-2560
Overall length: 120 mm
Diameter: 8.25 mm
For corneal transplant surgery

Culler Lens Spoon - AE-2561
Overall length: 133 mm
Width: 3.50 mm
Sterling silver
**Probst LASIK Tape Spatula - AE-2565**
Overall length: 135 mm
Tip width: 0.50 mm
Tucks surgical tape or eye drape into fornices covering eyelashes and meibomian gland orifices

**Kirby Lens Loop & Muscle Hook - AE-2567**
Overall length: 150 mm
Loop size: 4.80 mm

**Gills-Welsh Lens Loop & Probe -AE-2568**
Overall length: 127 mm
Loop size: 5.00 mm
With serrations and olive tip

**Bunge Evisceration Spoon - AE-2570**
Overall length: 136 mm
Tip diameter: 8.00 mm

**Aguilar Chopper - AE-2571**
Overall length: 110 mm

**Fonseka Chopper – AE-2572**
Overall Length: 114 mm
Unique tip features a groove which allows the chopper to pivot and penetrate dense nuclei (grades 3-5) without causing the nucleus to flip and is ideal for fixating nuclear fragments during emulsification. Works as a vertical and a horizontal chopper. Notch at the front of the chopper can be used to retract small pupils.
**Chang DUO Quick Chopper – AE-2573**
Overall Length: 120 mm
Shaft Length: 9 mm (each side)
The Chang combination chopper combines horizontal and vertical chopper tips on opposite ends to facilitate the use of both techniques during the same case. The horizontal chopper is a modified Lieberman microfinger that has been elongated for chopping. The curve of the tip is designed to conform to the equator of the nucleus. The vertical tip is sharpened to better incise into brunescent nuclei.

**Espiritu-Caparas Chopper – AE-2574**
Overall Length: 137 mm
Verges-style horizontal chopper on one end, 0.8 mm spatula on other end.

**Asami Chopper – AE-2575**
Overall Length: 118 mm
Tip Width: 0.46 mm.
A chopper and divider all in one instrument. The inside of the tip is curved to easily dig the nucleus from the equatorial segment, thus making it easier to do phaco chop surgery. The outside of the tip is rounded to prevent damage to the capsule.

**Crandall-Nagahara Chopper – AE-2576**
Overall Length: 114 mm
Angle to Tip: 10 mm
Cutting Edge Length: 1.5 mm
60° inside cutting edge. Unique 110° angled tip allows better visibility during phacoemulsification.

**Wells Enucleation Spoon - AE-2580**
Overall length: 147 mm
Akahoshi-Wahab Pars Planar Nucleus Levitator – AE-2590
20 Gauge
Overall Length: 150 mm
Holds nucleus in a more stable manner. Helps move nucleus to the bag. Nucleus is held during Phaco and Vitrectomy. Infusion is not required. Can be used to lift the nucleus from the retina - avoiding PFCL and its complications. Instrument design features two loops, forming a wire bowl. Can be easily opened and closed with thumb. Allows passive irrigation.

Kansas Phacosection Nucleus Trisector
AE-2610 Right handed surgeon, 3.00 mm width
AE-2611 Left handed surgeon, 3.00 mm width
AE-2612 Kansas II Right handed surgeon, 2.50 mm width
Overall length: 105 mm
For manual small incision surgery to divide nucleus into 3 pieces

Kansas Phacosection SM Nucleus Bisector - AE-2615
Overall length: 110 mm
Angle to tip: 10 mm
For manual small incision surgery to divide nucleus into 2 pieces

Kansas Nucleus Vectis
AE-2618 For right handed surgeon
AE-2619 For left handed surgeon
AE-2620 Kansas II for right handed surgeon
Overall length: 115 mm
Angle to tip: 16 mm
Used as a cutting board for Kansas nucleus trisector

Hoffer Optic Zone Marker
AE-2700 3.00 mm
AE-2704 4.00 mm
AE-2708 5.00 mm
AE-2709 6.00 mm
AE-2710 7.00 mm
AE-2713 9.00 mm
Overall length: 100 mm
With fine cross hairs and low profile
John DXEK/DSAEK Double Ended Marker 8/9 mm – AE-2712
Overall Length: 110mm
This marker is used to mark recipient and donor cornea at 8 or 9 mm based on surgeon’s preference.

Machat PRK Optical Zone Marker - AE-2714
Overall length: 82 mm
9.0 mm diameter for hyperopia
6.6 mm diameter for myopia
Incises epithelium to provide excellent starting point for mechanical epithelial debridement

Machat PRK Optical Zone Marker - AE-2715
Overall length: 93 mm
Diameter: 6.6 mm
Incises epithelium to provide excellent starting point for mechanical debridement.
For myopia

Berkeley- Thornton Double-Ended Optic Zone Marker
AE-2720 3.00 mm - 3.25 mm
AE-2722 4.00 mm - 4.25 mm
AE-2723 4.50 mm - 5.00 mm
AE-2724 6.00 mm - 7.00 mm
AE-2725 5.50 mm - 5.75 mm
Overall length: 100 mm
Very low profile
**MARKERS**

**ASICO CCC Double Ended Marker**
**AE-2728** – 5/5.5 mm  
**AE-2729** – 5.6/5.75 mm  
Overall Length: 106.50 mm  
Designed to simplify capsulorrhexis. The mark made on the cornea will reflect on the capsule at the desired size in order to perform anterior capsule opening.

**Grandon T-Marker**
**AE-2730** 2.0 mm  
**AE-2731** 2.5 mm  
**AE-2733** 4.0 mm  
**AE-2734** 5.0 mm  
Overall length: 115 mm  
Angle to tip: 6 mm  
For correction of astigmatism

**Nordan-Mini-Ruiz Marker - AE-2736**
Marks at 6.0 mm and 9.0 mm OZ  
Overall length: 100 mm  
For correction of astigmatism

**Nordan Mini-Ruiz Marker - AE-2737**
7.0/9.0 mm

**Ruiz Marker**
**AE-2738** 1.5 mm  
**AE-2739** 3.5 mm  
Overall length: 98 mm  
Marker has to be used on the right and left side
**Nuijts-Solomon Toric Axis Marker w/Peg – AE-2740H**

**AE-2740H** – with Peg  
**AE-2740N** – without Peg  

Overall Length: 103 mm  
Centering peg acts as reference guide to center on the cornea or myotic pupil without compromising visibility.  
5 mm circular opening. Laser lines indicate location of the marking plates.

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**Maloney Incision Marker**  
**AE-2742** 3.0 mm in length; 1.0 mm apart  
**AE-2745** 1.5 mm in length; 1.0 mm apart  

Overall length: 94 mm  
For correction of astigmatism

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**Maloney Astigmatism Keratometer - AE-2743**  
Projects multiple rings on cornea for qualitative evaluation of astigmatism

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**Mandel Keratometer AE-2744**  
Overall length: 115 mm  
Diameter: 3.5 mm  
Projects single ring on cornea for qualitative evaluation of astigmatism

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**Maloney Astigmatism Axis & Incision Marker - AE-2746**  
Overall length: 98 mm  
Marks at 7.0 mm OZ with two  
3.0 mm parallel lines, 1.0 mm apart
**MARKERS**

**Grene Visual Axis Marker - AE-2747**
Overall length: 115 mm  
Angle to tip: 7 mm  
Tip diameter: 0.50 mm  
To mark the position of the pupil on the cornea

**Miyata Axis Marker – AE-2748**
Overall Length: 100 mm  
Used to mark a line of 5 mm arbitrarily on the eye. Then, using the topograph in the OR, the location of the mark is determined exactly before marking intra-op marks for toric IOL implantation.

**Radial Incision Marker - AE-2750**
6 blades, 9.5 mm O.D.

**Thornton Radial Incision Marker - AE-2750L**
6 blades

**Nordan RK/AK Marker**
AE-2753 6 blades  
AE-2754 8 blades  
Overall length: 105 mm  
ID: 3.00 mm  
For radial keratotomy and compound myopic astigmatism
ASICO Triple Ring Marker - AE-2756
Overall length: 100 mm
Inner ring: 3.0 mm
Middle ring: 5.0 mm
Outer ring: 7.0 mm
Low profile, ideal for pachymeter measurement

Vinciguerra Corneal Transplant Marker - AE-2757
Overall length: 105 mm

Anis Suture Placement Marker - AE-2759
Overall length: 108 mm
ID: 8.0 mm
OD: 12.7 mm
For suture placement in corneal grafts to reduce astigmatism

Thornton Globe Fixation Ring - AE-2760
Overall length: 100 mm
Diameter: 16.0 mm
Atraumatic teeth for refractive surgery procedures

Hofmann Thornton Globe Fixation Ring - AE-2761
Overall length: 100 mm
Diameter: 76.0 mm
With atraumatic teeth and swivel handle for refractive surgery procedures

Fukuyama Fixation Ring – AE-2762
Overall Length: 104 mm
Blade Length: 15 mm
Thickness of Ring: 2.25 mm
Tooth Height: 0.35 mm
Has an open angle of 140°, allowing for ease of use of LRI diamond knife with no risk of contacting the fixation ring.
Degree marks are visible every 10° at top of ring. Wide incision can be made easily.

www.asico.com
**Villasenor-Navarro Temporal Degree Gauge – AE-2763N**
Overall Length: 112.0 mm  
ID: 13.0 mm  
OD: 17.0 mm  
Handle is attached at 0° to be used in temporal position. Fixation teeth for added stability. Degree marks every 10°.

**Zaldivar Superior Degree Gauge – AE-2764N**
Overall Length: 112 mm  
ID: 13.0 mm  
OD: 17.0 mm  
Handle is attached at 90° to be used from superior position. Fixation teeth for added stability. Degree marks every 10°.

**Mendez Degree Gauge – AE-2765N**
Overall Length: 112 mm  
ID: 12.0 mm  
OD: 16.0 mm  
Degree marks every 10°.

**Vinciguerra PRK Spatula - AE-2766**
Overall length: 120 mm  
For epithelial debridement

**Maloney PRK Spatula - AE-2767**
Overall length: 120 mm  
For epithelial debridement

**Lindstrom PRK/LASIK Spatula - AE-2768**
Overall length: 137 mm  
Golf club end is used for epithelial debridement during PRK and Spatula lifts flap during LASIK
Grandon Rotatable Radial Marker & Degree Gauge - AE-2770
Overall length: 108 mm
ID: 4.00 mm
OD: 12.50 mm
For alignment of 8 radial marks on cornea

Whitten LASIK Tool
AE-2772 Short Handle
Overall length: 98 mm
AE-2773 Long Handle
Overall length: 138 mm
Angle to tip: 11 mm Tip width: 1.00 mm
Smooth, blunt Spatula lifts flap; blunt golf club sweeps stromal bed for moisture

Guell LASIK Retreatment Spatula - AE-2774
Overall length: 142 mm
Angle to tip: 12 mm Tip width: 0.30 mm
Thin, blunt end dissects epithelium bond. Blunt golf club end gently removes epithelial extensions in interface without damaging underlying stroma. Also for primary treatments

Grene B-DORK Probe - AE-2775
Overall length: 119 mm
Blunt dissection of radial keratotomy is a simple technique to gain approximately 1/2 diopter increased effect following RK. Probe is inserted into each RK incision to break stroma-to-stroma adhesion throughout the incision

Hersh LASIK Retreatment Spatula - AE-2776
Overall length: 120 mm
Angle to tip: 5.5 mm Tip width: 1.0 mm
Break epithelial flap adhesion and lifts flap without driving epithelium or debris into interface

MacRae Flap Flipper & Retreatment Spatula - AE-2777
Overall length: 132 mm
Angle to tip (Spatula): 10.0 mm
Tip width: 0.90 mm
Angle to tip ("V" end): 9.5 mm
Tip width: 0.80 mm
Spatula lifts, repositions, squeegees, and removes wrinkles from flap; Sharp inner edge of v-shaped end dissects epithelium bond
Thornton Double Corneal Ruler
AE-2780 6.0 mm-8.0 mm optic zones
AE-2781 5.0 mm-7.0 mm optic zones
Overall length: 98 mm
Used to impress asymmetrical pattern of ruled markings on the cornea for placement of transverse incisions from 0.50 mm to 5.00 mm in length

Slade Arcuate Marker
AE-2782 45°
AE-2783 60°
Overall length: 104 mm
OZ: 7.0 mm

Thornton 360 Arcuate Marker
AE-2788 6.0 mm internal diameter, 8.0 mm external diameter
AE-2789 5.0 mm internal, 7.0 mm external diameter
Overall length: 98 mm
Marks every 10°

Price Radial Marker - AE-2795 7.0 mm
Overall length: 112 mm
To mark recipient cornea. Radial marks extend 2.0 mm outwards and remain on the remnants of the cornea after trephining. For use with Price Corneal Punch

Nuijts-Lane Pre-op Toric Reference Marker w/Bubble – AE-2791TBL
Overall Length: 96 mm
Diameter: 15.5 mm.
Bubble level aids in accurately marking the eye temporally. The bubble can be replaced into the instrument after sterilization once it is cleaned with mild soap and water. Curvature of the marking blades conform to curvature of the eye for more even and clear marks. Non-marking surface is minimized for more visibility of the cornea. Marks at the 3, 6 and 9 o’clock positions.

Bubble Level Part Only – AE-2791BLP
Pre-op Toric Reference Marker – AE-2793D
Overall Length: 114 mm
Marking pattern is located on both sides for marking the left and right eye temporarily. Marking plates are curved to conform to the curvature of the eye for more even and clear marks. Marks at 3, 6, and 9 o’clock.

Pre-op Toric Reference Marker Single Side – AE-2793S
Overall Length: 102 mm
Single side open view. Marking plates are curved to conform to the curvature of the eye for more even and clear marks. Marks at 3, 6, and 9 o’clock.

Intra-Op Toric Axis Marker II – AE-2794N
Overall Length: 109 mm
Marker and Degree Gauge in one. Cutouts for precise alignment. Markings every 5°. Inner barrel can be rotated to align to toric axis reading.

Graether Half Circle Axis Marker – AE-2798N
Overall Length: 100 mm
Fits precisely inside Graether Degree Gauge, AE-1594N. Can be used as a pre-op and intra-op marker for Toric. Inner tip-to-tip measures a 6 mm guide for capsulorrhexis. Laser lines on top for measurement.

Neuhann One Step Toric Marker – AE-2799T
Overall: 99.0 mm
ID: 5.0 mm
OD: 12.50 mm
Pre-Op and Intra-Op markings all in one. Can be used for smaller eyes. Bubble level helps to identify the horizontal axis. Knurled outer barrel allows for easy rotation without touching the marking blade. ASICO’s bubble level is more precise than a pendulum. This marker uses the Tabo System; there are markings of 0° and 180° at the handle and opposite the handle.
**Bansal LASIK Marker - AE-2800**
Overall length: 105 mm
Noncontact OZ: 6.0 mm
Radials: 3 Pararadials: 2

**Machat Superior Flap LASIK Marker - AE-2801**
Overall length: 118 mm
Non-contact OZ: 3.0 mm
Diameter of small circle: 3.25 mm
Diameter of large circle: 3.75 mm

**Machat LASIK Marker - AE-2802**
Overall length: 103 mm
Two circles, 3.25 mm and 3.75 mm.
For individual placement of marks

**Machat LASIK Marker - AE-2803**
Overall length: 114 mm
Non-contact OZ: 3.0 mm
Diameter of small circle: 3.25 mm
Diameter of large circle: 3.75 mm

**Alio LASIK Marker - AE-2806**
Overall length: 105 mm
Noncontact OZ: 4.0 mm
Radials: 1 Pararadials: 1
OD: 11.5 mm
Outer circle to align suction ring

**Manche**
LASIK Marker - AE-2807
Overall length: 102 mm
Noncontact OZ: 4.0 mm
Radials: 2 Pararadials: 2
Christenbury LASIK Marker AE-2808
Overall length: 102 mm
Noncontact OZ: 3.0 mm
Radials: 3 Pararadials: 1
With centering peg

Perone LASIK Marker - AE-2809
Overall length: 104 mm
Non-contact OZ: 3.0 mm
Radials: 1 Pararadials: 1
Outer ring: 10.5 mm to align suction ring

Koch LRI Marker - AE-2811
Overall length: 97 mm
ID: 10.00 mm OD: 13.00 mm
For limbal relaxing incisions. Marks chord lengths of 4.5 mm, 6.0 mm, & 8.0 mm

Koch LRI Marker II – AE-2811S
Overall Length: 102 mm
Marks in Degrees of 45°, 60° and 80°
Diameter: 10.5 mm
Designed for LRI. Features C-shaped diameter of 10.5 mm. Alignment mark on the anterior surface is used to align the marker with the steepest meridian of the cornea. Indents 6 symmetrical degree lengths of 45°, 60° and 80° for corrections of 1.0 and 2.0 diopters of astigmatism.

Fukuyama LRI Marker (60°) – AE-2812
Overall Length: 107 mm
Outer Diameter 11.6 mm
Diameter of Hole in Marker: 3 mm
Measures incision size by degrees instead of chord length to account for varying cornea size. Marks every 10° for a total of 60° from the 9 mm–11 mm diameter of the cornea. Incision is made at the limbus with a depth of 70–75% of the cornea thickness. Two fixed reference points mark 90° from the steepest meridian of the cornea.
**Akura LRI Marker – AE-2813**
Overall length: 101 mm

**Kraff-Zaldivar LRI Marker – AE-2814**
Overall Length: 102 mm
Marks in Millimeters of 5.5 and 7.5
Diameter: 10.5 mm
Designed for LRI. Features C-shaped diameter of 10.5 mm. Alignment mark on the anterior surface is used to align the marker with the steepest meridian of the cornea. Indents 4 symmetrical chord lengths on the cornea. The first is 5.5 mm long and the second is 7.5 mm long, for corrections of 1.0 and 2.0 diopters of astigmatism, respectively.

**DeBlasio LASIK Marker – AE-2816**
Overall length: 94 mm,
45 degree angle
Designed to mark the center of the pupil with a small dot, facilitating centration of the microkeratome, and therefore, laser ablation

**Hoffman Buratto LASIK Marker – AE-2817**
Overall length: 103 mm

**Matos LASIK Marker – AE-2818**
Overall length: 109 mm, 45 degree angle
Has a design that places small circular marks on the corneal scleral limbus that lasts up to 1 hour before fading. The marks are easy to identify and distinguish from other markings you may use.

**Buratto Superior Flap Holder - AE-2819**
Diameter: 20 mm
Elevates superior flap to avoid contact with conjunctiva, cilia, eyelids, and secretions of the meibomian glands during laser ablation

www.asico.com
**Buratto Flap Retractor & Protector - AE-2821**
Overall length: 1.18 mm
Length of edge: 8.0 mm
Retracts hinge for maximum exposure of bed and protects flap from laser ablation

**Zaldivar LASIK Spatula - AE-2822**
Overall length: 120 mm
Angle to tip: 12 mm
Tip width: 0.50 mm
Lifts, repositions, and squeegees flap

**Arbelaez LASIK Spatula - AE-2823**
Overall length: 140 mm
Tip width: 1.0 mm
Spatula lifts flap; protector shields flap and controls interface hydration in nasal or superior position

**Alia LASIK Spatula - AE-2824**
Overall length: 155 mm
Used to manipulate and lift LASIK flap. Broad end protects hinge.
Also used for retreatments

**Maloney Flap Flipper & Squeegee - AE-2825**
Overall length: 114 mm
Angle to tip: 1.1 mm
Tip width: 0.50 mm
Flat profile at tip lifts flap, while round part of Spatula removes wrinkles and excess fluid under cap, and repositions flap

**Slade Probst LASIK Spatula - AE-2826**
Overall length: 130 mm, Tip length: 10 mm, Tip bend: 135 degrees
Used for protection of the flap during Hyperopic ablations. Spatula width provides extra flap protection even with small movement of the instrument. Legth of the Spatula allows distal end to rest against a fixation ring the suction ring (with suction off) during ablation to allow complete stability of both instruments. Ideal for nasal and superior hinges
Lehmann Intralase® Spatula – AE-2827
Overal Length: 113 mm
Shaft Length: 10 mm
Tip Length: 11 mm
The smooth tip enables easy entry under the flap without damage or disruption to the adjacent epithelial. Has minimal technique learning curve and greatly eases surgeon’s ability to lift the flap while keeping the bed dry. Spatula works well to find and mark or begin entry into the flap margin for enhancements.

Lehmann Intralase® Spatula with Semi-Sharp Edge – AE-2827S

Intralase® is a registered trademark of AMO.

Holladay Retreat LASIK Spatula - AE-2828
Overal Length 119 mm
Spatula effectively lifts the flap and separates the epithelium for retreatment procedures.

Fukuyama LRI Marker - AE-2829
120 deg
Overall length: 105 mm : 105mm

Machat LASIK Retreatment Spatula - AE-2830
Overall length: 125 mm
Angle to tip: 10 mm
Angulated tip separates and breaks epithelium bond, Spatula lifts flap

Vidaurri LASIK Retreatment Spatula - AE-2831
Overal Length 119 mm
Facilitates the enhancement procedure without making a new cut. Bullet shaped tip provides easy entry under the flap without damaging the epithelium or dragging epithelium into the interface. Sharp, flat, posterior side breaks the epithelium all the way around the flap.

Slade LASIK Retreatment Spatula
AE-2832
AE-2833 With Serrations
Overall length: 120 mm
Angle to tip: 12 mm
Tip width: 1.3 mm

Intralase® is a registered trademark of AMO.
**Herzig** Elevator & Retreatment Spatula - AE-2836
Overall length: 150 mm
Angle to tip: 8.0 mm (narrow), 6.0 mm (broad) Broad oval semi-sharp tip separates epithelium, narrower edge used to lift flap

**Kritzinger-Updegraff (KU) LASIK Flap Elevator & Manipulator - AE-2835**
Overall length: 127 mm
Elevator cuts clean edge through the epithelium, manipulator lifts flap

**Manche LASIK Spatula - AE-2837**
Overall length: 113 mm
Angle to tip: 12.0 mm
Tip diameter: 0.20 mm
For primary and retreatment procedures. Angled tip separates edge of healed primary flap and convex shape facilitates lifting and replacing flap. Also functions as squeegee to remove fluid beneath flap.

**Lane LASIK Retreatment Spatula - AE-2838**
Overall length: 115 mm, Tip length: 8.5 mm, Shaft length: 16 mm, Tip angled at 115 degree
This is a useful tool in assisting lifting the lamellar flap during enhancement procedures. The fine “chisel like” Spatula tip provides the perfect degree of sharpness to initiate identifying and lifting the flap edge without cutting the delicate tissue.

**Misra Koch LASIK Retreatment Spatula - AE-2839**
Overall Length 114 mm
The Spatula features an elongated, tapered tip that facilitates smooth entry under the flap edge by merely indenting gently then advancing towards the center of the cornea.
**Herzig LASIK Depressor - AE-2840**  
Overall length: 116 mm  
Tip diameter: 3.2 mm  
Smoothly adheres flap to stromal bed in pupillary area, reducing risk of striae or irregular astigmatism in the visual axis

**Buratto Striae Probe - AE-2841**  
Overall length: 117 mm  
Tip diameter: 0.75 mm  
Tests adhesion of LASIK flap to stroma

**Yaghouti LASIK Polisher**  
**AE-2842** Fine Grade  
**AE-2843** Medium Grade  
Overall Length: 140 mm  
Tip diameter: 1.85 mm  
Gently removes debris from posterior side of the flap and for management of epithelial ingrowth

**Pineda LASIK Iron - AE-2844**  
Overall length: 140 mm  
Removes wrinkles from flap

**Milne CK Light Touch Marker - AE - 2845**  
6/7/8 mm  
Overall length: 103 mm, Outer Diameter: 8.5 mm, Inner Diameter: 5 mm.  
Unique extension design allows re-marking of cornea in offset manner of 22.5 degrees to original CK treatment marks (when performing a CK enhancement).

**Milne CK Light Touch Marker - AE-2846**  
6.5/7.5/8.5 mm  
Overall length: 103 mm,  
Outer Diameter: 8.5 mm, Inner Diameter: 5 mm.  
Unique extension design allows re-marking of cornea in offset manner of 22.5 degrees to original CK treatment marks (when performing a CK enhancement).
**Milne CK Light Touch Marker - AE-2847**

7/8 mm  
Overall length: 103 mm, Outer Diameter: 8.5 mm, Inner Diameter: 5 mm  
Unique extension design allows re-marking of cornea in offset manner of 22.5 degrees to original CK treatment marks (when performing a CK enhancement).

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**Modi Low Profile Intra-Op Toric Axis Marker – AE-2848N**

Overall Length: 103 mm  
Marker and Degree Gauge in one. The thin profile and small, 12.5 mm outer diameter make this instrument lightweight and easy to use on small orbits. Laser lines indicate location of the marking plates. Outeredge is knurled for easy rotation with one hand.

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**John ALK Marker – AE-2849**

Overall Length: 106 mm  
Helps in uniform suture placement to attach the donor cornea to the anterior recipient corneal bed.

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**Trokel Hyperopia Conformer - AE-2850**

Overall length: 93 mm, Outer diameter: 76 mm, Inner diameter: 3.7 mm, 45 degree angle esigned for hyperopic LASIK procedures to reduce regression, posterior curvature is designed to match the hyperopic ablation zone. Visibility during application is increased by the central opening. Applied to cornea for 15 seconds after LASIK. Increases the diameter of the steeper area.

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**Kobayashi DSAEK Scleral Marker – AE-2851**

Overall: 106.5 mm  
Diameter: 16 mm  
Kobayashi 16 mm DSAEK donor marker is a large marker with a diameter of 16 mm. This size of large corneoscleral rim is required for holding the donor cornea on the artificial anterior chamber for microkeratome cut. This marker is useful when the eyebank technician makes the corneoscleral rim for DSAEK.
**Miyata Toric Axis Marker - AE-2852**

optical zone of 5 mm

The marker has 3 fixing points instead of 2, allowing for more stability. Outer diameter is 10.4 mm which allows for precise alignment with the Miyata degree gauge, AE-1591.

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**Kobayashi DSAEK Scleral Marker - AE-2853**

Double ended DSAEK scleral marker with one end 18mm and the other 20mm

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**Miyata LRI Marker**

AE-2858 8.5 mm  
AE-2859 9mm  
Overall length : 101 mm

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**Miyajima LASIK Caliper - AE-2860**

Overall length : 105mm : 104 mm

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**Zaldivar LRI Axis Marker – AE-2862**

Marks in Millimeters of 5.5 and 7.5  
Created to Mark the Cornea at 10.5 mm  
Overall Length: 105 mm

**Koch LRI Axis Marker – AE-2863**

Marks in Degrees of 45°, 60° and 80°  
Created to Mark the Cornea at 9.5 mm  
Overall Length: 105 mm  
Marks are located on the 90° meridian as reference points for marking in the upright position and referencing in the recumbent position. This helps to avoid error due to the torsional movement of the globe. Corrects astigmatism of one and two diopters. Designed with an axis extension at the non-marking axis to easily align with the steepest meridian while working with a degree gauge for precise alignment.

---

**Arnold AK Marker – AE-2865**

Overall Length: 115.40 mm  
The OZ diameter of 9.0 mm avoids the limbal vessels which are routinely cut with a 10.0–10.5 mm marker. The astigmatic effect is achieved with shorter incisions than required with limbal incisions. Because the diameter is consistent at 9.0 mm, not at the variable limbus diameters, and all incisions are regularly placed in cornea, not the vascular limbus, the results are more consistent. Rotate the handle of the instrument to bring the marking side down to the cornea.
**Kobayashi DSAEK Marker – AE-2868**

Overall Length: 98 mm  
Designed to mark the cornea in dots along the circumference to prevent the ink from running.

**Tsubota DLK Spatula – AE-2870**

Overall Length: 122 mm  
Shaft Length: 25 mm  
Tip Width: 0.6 mm  
Semi-sharp, ideal for separating the stroma from the Descemet’s membrane during DLEK/DSAEK/DXEK procedures when Descemet’s membrane is not completely removed or separated from the stroma.

**John Dexatome DMEK/DSAEK Spatula – AE-2872**

Overall Length: 110 mm  
Tip Length: 16 mm  
Single instrument allows for both Descemetorhexis and Descemet’s membrane detachment and subsequent removal. Unique multi-curve design facilitates complete scoring of Descemet’s membrane 360°, without exiting the anterior chamber.

**John DXEK/DSAEK Descemet’s Stripper – AE-2874**

Overall Length: 110 mm  
Tip Length: 16 mm  
Curvilinear design is effective in reaching Descemet’s membrane over all inner curvatures of the recipient cornea. The end curvatures of this instrument helps in circular Descemet’s membrane detachment as a single disk and prevents or limits uneven segmental tearing of Descemet’s membrane during its detachment from the host inner corneal dome.

**John DXEK/DSAEK Stromal Scrubber – AE-2878**

Tip Diameter: 8 mm  
Designed to effectively roughen the inner corneal stroma within the Descemetorhexis circle. The curvilinear design of the instrument allows for easy access of the inner-corneal dome.
John DXEK/DSAEK Glider – AE-2879
Disc Diameter: 4 mm
Disc Thickness: 1.5 mm
Unique design and curvature allows for corneal contour-oriented contact between the outer corneal dome and the inner surface of the glider. All regions of the outer corneal surface can be gently and smoothly ironed to diminish and/or eliminate donor disk wrinkles at the donor-host interface.

Kobayashi DSAEK Interface Fluid Drainage Spatula – AE-2899
Overall Length: 105 mm
Tip Length: 4.4 mm
For successful DSAEK, complete donor attachment at the end of the surgery is necessary. For this purpose, mid-peripheral corneal stab incision is frequently used to drain residual fluid between donor and recipient cornea. After the anterior chamber is filled with air, this Spatula is inserted into the venting incision (created by either 24 or 25 gauge V-lance). Torque the venting incision to release trapped fluid. Blunt tip avoids accidental stabbing of the donor stroma.

Sarnicola Big Bubble Spatula – AE-2900
Overall Length: 114 mm
Helps to create an inter corneal tunnel during DALK procedure.

John ALK Pre-Descemet’s Spatula – AE-2902
Overall Length: 113 mm
Dissects corneal stroma adjacent to the recipient DM in DALK procedure.

John ALK Narrow Stromal Spatula – AE-2904
Overall Length: 139 mm
Facilitates layered separation of the anterior, mid and deeper corneal stroma.
John ALK Compression Disc – AE-2905
Overall Length: 113 mm
Designed to be used on the surface of the cornea to press down the donor disk during total ALK with fibrin glue.

Carones PRK Dispenser – AE-2910
Overall Length: 122.5 mm
Handle Diameter: 13.7 mm
Pump chamber is filled with alcohol by removing the end cap. Depressing the button on the pump dispenses a pre-measured amount of alcohol into the OZ chamber. Optical zone chamber features cross hairs for centering on the cornea and the sharp edge delineates the epithelium. This provides an excellent starting point for lifting the edge of the epithelial flap.

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<th>Chamber Size</th>
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<td>7 mm OZ PRK Cannula for Dispenser</td>
<td>7 mm chamber for myopia</td>
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<td>AE-2912</td>
<td>9 mm OZ PRK Cannula for Dispenser</td>
<td>9 mm chamber for hyperopia</td>
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<tr>
<td>AE-2913</td>
<td>9.5 mm OZ PRK Cannula for Dispenser</td>
<td>9.5 mm chamber for hyperopia</td>
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<tr>
<td>AE-2914</td>
<td>10 mm OZ PRK Cannula for Dispenser</td>
<td>10.0 mm chamber for hyperopia</td>
</tr>
<tr>
<td>AE-2915</td>
<td>10.5 mm OZ PRK Cannula for Dispenser</td>
<td>10.5 mm chamber for hyperopia</td>
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</tbody>
</table>

VRTIS™ ILM Spatula – AE-2916
27 Gauge
Overall Length: 145 mm
Tip Length: 2.75 mm
Initiates posterior hyloid and ILM separation from the retina.

VRTIS™ ILM Spatula
AE-2917 23 Gauge
AE-2921 25 Gauge
Overall Length: 152 mm
Tip Length: 40 mm
Flat, thin curved Spatula, 2.75 mm tip length designed for blunt dissection and delamination of membrane from the retina. Gentle curve allows manipulation along the surface of the retina.
**Vinciguerra LASEK Spatula – AE-2922**

Overall Length: 143 mm

<table>
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<th>Large side:</th>
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<td>Tip Length: 19 mm</td>
<td>Tip Length: 19 mm</td>
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<tr>
<td>Tip Width: 1.8 mm</td>
<td>Tip Width: 2.3 mm</td>
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Specially designed to engage the edge of the epithelial flap for easy lifting. Vaulted curve matches the curve of the cornea. Curved Spatula allows for easy placement of the flap after laser ablation and removes any wrinkle formation as the flap is placed.

**VRTIS™ Horio ILM Spatula – AE-2923**

25 Gauge

Overall Length: 148 mm

This 25 Gauge ILM Spatula has a dull end on tip with sharp side edges enabling safe ILM pick up.

**Josephberg-Hilton Trocar Fixation Plate**

AE-2925C - 3.5 mm

AE-2926C - 4.0 mm

Overall Length: 84 mm

Features two places for fixation.

**ASICO Electronic Pre-op Toric Marker -AE-2929**

Innovative design utilizes both light and sound to guide the doctor to the most accurate 0 and 180 degree pre-op reference markings.

**ASICO Electronic Pre-op Toric Ref Marker - AE - 2929H**

handle body only

**ASICO Electronic Toric Head - AE-2939**
**ASICO** One Step Electronic Toric Marker - AE-2930

- **Overall Length:** 158 mm
- **Tip Length:** 41.5 mm
- **Tip Diameter:** 1.0 mm

Effectively goes through the pars plana to dissect the thin membrane. Gentle curve allows manipulation along the surface of the retina.

**ASICO** Electronic One-Step Toric Marker - AE-2930H

handle body only

**Kraff** Intralase® Centering Device – AE-2934

- **Overall Length:** 8.4 mm
- **Outer Diameter:** 15 mm
- **Inner Diameter:** 11.5 mm

Designed to be used with the Intralase Suction Ring to increase the accuracy in centering the suction ring’s placement on the patient’s eye. Maintains excellent visualization of the pupillary and limbal landmarks. Easy to place and remove the centering device before and/or after suction.

Intralase® is a registered trademark of AMO.

**Holladay** Intralase® Double Cross Hair Centering Device – AE-2935

When both of the 2 cross-hairs are centered on the patient’s pupil, the suction device is placed along the axis of the microscope and is centered on the patient’s pupil.

Intralase® is a registered trademark of AMO.

**Chihara** ILM Pick – AE-2950

- **Overall Length:** 158 mm
- **Tip Length:** 41.5 mm
- **Tip Diameter:** 1.0 mm

Effectively goes through the pars plana to dissect the thin membrane. Gentle curve allows manipulation along the surface of the retina.
## Description

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<td>Corneal Rust Ring Remover</td>
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</table>
**Gill** Corneal Knife  
*AE-3020* Straight  
*AE-3021* Curved  
Overall length: 122mm

**Pauifique** Graft Knife - *AE-3022*  
Overall length: 109mm  
Angled tip, curved cutting edge

**Tooke** Corneal Knife - *AE-3025*  
Overall length: 115mm  
Straight blade with curved cutting edge

**Girard-Swan** Knife Needle - *AE-3030*  
Overall length: 119mm

**Golf Club** Foreign Body Spud - *AE-3039*  
Overall length: 116mm

**Graefe** Cystotome Knife - *AE-3050*  
Overall length: 130mm

**McPherson-Ziegler** Knife - *AE-3060*  
Overall length: 112mm
McPherson Discission Knife - AE-3061  
Overall length: 110mm

Suarez Spreader - AE-3073  
Overall length: 115mm  
Blade length: 21mm  
Semi-sharp edge for epikeratophakia

Wilder Cystotome - AE-3080  
Overall length: 127mm

Vitrectomy Knife  
AE-3100 Short blade, disposable  
AE-3102 Handle only for AE-3100  
AE-3101 Long blade, disposable  
AE-3103 Handle only for AE-3101  
(Handles are not interchangeable)

Castroviejo Blade Breaker & Holder  
AE-3200 Small  
Overall length: 90mm  
AE-3201 Large  
Overall length: 123mm

Algerbrush Corneal Rust Ring Remover  
AE-3250 Complete  
Includes handle, chuck, and 0.5mm burr  
AE-3251 0.5mm Burr only  
AE-3252 1.0mm Burr only  
AE-3255 Chuck for 0.5mm Burr  
Battery powered

www.asico.com
Yoshida Glaucoma Diamond Burr - AE-3254
0.40mm
Ultra fine burr tapers to 0.70mm for removing layers of sclera for non-invasive trabeculotomy. For use with AE-3250.

Algerbrush II Pterygium – AE-3260
Complete set with 3.5mm diamond dusted burr
Description
Iris Forceps
Corneal Forceps
Tissue Forceps
Corneal Fixation Forceps
IOL Forceps
Prechoppers
IOL Cutters
Suturing Forceps
Tying Forceps
LASIK Forceps
Capsulorrhesis Forceps
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TYPES OF FORCEPS TIPS

1X2 Bonn Style
1X2 Castroviejo Style (Overlapping)
2X3 Style
Pierse Tip
Tying Forceps with Platform
Horizontal
Vertical (Longitudinal)
Criss - Cross Serrated
**Gill Curved Iris Forceps**

- **AE-4010** Criss-cross serrated tips
- **AE-4011** 1 x 2 teeth, 0.40 mm
  Overall length: 72 mm

---

**Colibri Forceps - AE-4030N**

Overall length: 73 mm
Very delicate, 1 x 2 teeth, 0.12 mm

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**Colibri Forceps - AE-4031N**

Overall length: 73 mm
1 x 2 teeth, 0.40 mm, with 6 mm tying platform

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**Gill-Colibri Forceps - AE-4034**

Overall length: 73 mm
Very fine, pointed 0.50 mm tips

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**Harms-Colibri Corneal Forceps - AE-4036N**

Overall length: 70 mm
Very delicate, 1 x 2 teeth, 0.12 mm,
with 6 mm tying platform
**Shamintha Colibri Chopper – AE-4037**
Overall length: 100 mm
1.5 mm tip on Nagahara horizontal chopper end
Tip Length: Very delicate, 1 x 2 teeth, 0.12 mm with 6 mm tying platform on Colibri end
Combines the functionality of the Colibri forceps with the cutting edge of the Nagahara chopper. Nagahara chopper side features a 60° cutting edge.

**Pierce-Colibri Corneal Forceps - AE-4038**
Overall length: 78 mm
0.10 mm atraumatic tips

**Pierce Corneal Forceps - AE-4039**
Overall length: 82 mm
0.10 mm atraumatic tips, Straight

**Polack Double Corneal Forceps - AE-4041**
Overall length: 71 mm
Very delicate, 1 x 2 teeth, 0.12 mm. For corneal transplant surgery to fixate donor cornea for suturing

**Nordan Colibri Forceps - AE-4045**
Overall length: 113 mm
1 x 2 teeth, 0.12 mm with 5.0 mm tying platforms and 2.0 mm angled tips. Round knurled handle with flat surface
Castroviejo-Colibri Forceps AE-4049
Overall length: 106 mm
Very delicate, 1 x 2 teeth,
0.12 mm, with 5 mm tying platform

Castroviejo-Colibri Forceps - AE-4050
Overall length: 106 mm
Very delicate, 1 x 2 teeth,
0.12 mm

Tennant-Maumenee Colibri Forceps - AE-4051N
Overall length: 121 mm
With 5 mm tying platform, 1 x 2 teeth,
0.12 mm. Suture cutter cuts 10-0 and
11-0 sutures

Anis Corneal Forceps
AE-4052
Overall length: 115 mm
With 10 mm tying platform, 1 x 2 teeth,
0.12 mm. Suture cutter cuts 10-0 and 11-0 sutures

Castroviejo-Colibri Forceps - AE-4053
Overall length: 106 mm
With pierse tips, 0.10 mm
atraumatic teeth
McPherson Corneal Forceps
AE-4060N Straight
AE-4061 Angled (angle to tip: 6 mm)
Overall length: 86 mm
With 6 mm tying platform, 1 x 2 teeth,
0.40 mm

Kelman-McPherson Forceps - AE-4070
Overall length: 82 mm
Angle to tip: 7.5 mm
With 7.5 mm tying platform, 1 x 2 teeth,
0.12 mm

Hoffer-McPherson Forceps - AE-4071
Overall length: 105 mm
Angle to tip: 11 mm
Very delicate, 1 x 2 teeth, 0.12 mm

Bonn Forceps
AE-4080 Short model
Overall length: 76 mm
AE-4081 Long model
with 5 mm tying platform
Overall length: 89 mm

ASICO Tooth Forceps 0.12 mm with Platform – AE-4090
Overall Length: 88.00 mm
Length of Platform: 6.00 mm
These forceps are designed with a handle for better grip.
The tips have a precise finish.
**Bishop-Harmon Tissue Forceps**

**AE-4100** Extra delicate 0.40 mm

**AE-4101** Delicate 0.80 mm

Overall length: 86 mm

1 x 2 teeth

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**Bishop-Harmon Dressing Forceps - AE-4102**

Overall length: 85 mm

Criss-cross serrated tips

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**Dressing Forceps**

**AE-4110** Straight

**AE-4111** Curved

Overall length: 100 mm

Serrated, delicate tips

---

**Tissue Forceps**

**AE-4120** Straight

**AE-4121** Curved

Overall length: 100 mm

1 x 2 teeth, 0.25 mm, delicate tips

---

**Neuhann USC Glaucoma Forceps - AE-4130**

Straight

Overall Length: 105 mm

Feature delicate serrated tips for micro-manipulation of the tissue to Unroof Schle mm’s Canal for deep sclerectomy and viscocanalostomy

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**Neuhann-Mermoud USC Forceps – AE-4131**

Overall:105 mm

Features delicate tips for micro-manipulation of the tissue to Unroof Schle mm’s Canal for deep sclerectomy and viscocanalostomy.
**Bores Corneal Fixation Forceps - AE-4150 Straight**
Overall length: 105 mm
U-shaped 3.0 mm spread, 1 x 2 teeth at each tip, 0.12 mm

**Bores Incision Spreading Forceps - AE-4151**
Overall length: 105 mm
0.5 mm square jaws, with micro-serrations.
Preset to limit opening of jaws

**Nordan Corneal Fixation Forceps - AE-4155 Curved**
Overall length: 105 mm
U-shaped, 8 mm spread,
1 x 2 teeth at each tip, 0.12 mm, with lock

**Elschnig Fixation Forceps - AE-4160**
Overall length: 109 mm
1 x 2 teeth, 0.90 mm, angled

**Graefe Fixation Forceps - AE-4164**
Overall length: 108 mm
5.0 mm wide jaws, multiple teeth
**Green Fixation Forceps - AE-4168**
5.0 mm wide jaws  
Overall length: 100 mm  
Multiple teeth

**Lester Fixation Forceps**
AE-4172  1 x 2 teeth, 0.40 mm  
AE-4173  2 x 3 teeth, 0.40 mm  
Overall length: 94 mm

**Kellan Fixation Forceps - AE-4175**
Overall length: 121 mm  
Length of tip: 2 mm  
With serrated and pierse tips for fixation. Ideal for clear corneal surgery

**Koch Sideport Forceps – AE-4176**
Overall: 98 mm  
Tip Length: 14 mm  
Paracentesis Fixation device for topical anesthesia procedures.  
Ideal size to hold the edge of the pracentesis.  
Modified pierced tips for atraumatic handling.

**Lieberman Eye Handle Fixation Forceps - AE-4177**
Overall length: 103 mm  
Angle to tip: 8 mm  
Tapered, serrated tips are ideal for fixating globe through paracenthesis incision. Ideal for clear cornea surgery
Akahoshi Universal Forceps – AE-4180
Overall Length: 108 mm
Tip Length: 23 mm
Angle to Tip: 2 mm
Tip Angle: 50º
For atraumatic holding and controlling the eye position.
Features a blunt fine tip whose inner surface is finished rough with a diamond dust coating to secure firm grasping.

Inamura Soft Nucleus Prechopper – AE-4189
Overall Length: 120 mm
Blade Length: 5 mm
For Nucleus Grades 1 and 2
Reduces phaco time up to 50%. Swan Prechopper easily splits soft nuclei completely and rotates nuclei in the capsular bag.

Akahoshi Combo II Prechopper – AE-4190
Overall Length: 120 mm
Blade Length: 5 mm
For Nucleus Grades 1 and 2
Designed for prechopping the nucleus for the Micro Coaxial Technique. Can be used within a 2 mm incision size.
For grades of nuclei 1-2, nuclei can be easily divided using the Karate Prechop technique. It is highly recommended to use a sustainer and prechop carefully when working on harder nuclei with weak ciliary zonules. The sustainer can support the nucleus to reduce stress on the ciliary zonules. With the phaco prechop technique, ultrasound time is reduced to less than 50% of that required with the conventional grooving method.
The movement of the phaco tip is minimized due to prior division of the nucleus. Mechanical and thermal damage to the wound is consequently reduced.

Akahoshi Super Combo III Prechopper - AE-4191
Overall Length: 120 mm
Blade Length: 5 mm
For Nucleus Grades 1 to 3
This prechopper, a variation of our Combo Prechopper (AE-4284), is suitable for the vertical Karate Prechop technique within a 2 mm incision. Prechopping can be completed without nuclear support for nuclei grade 1 to 3 with intact ciliary zonules and complete CC. The design of the sharp tip allows for easy insertion into the nucleus and rotation of the nucleus after bisection. It can prechop grade 4 nucleus by the Counter Prechop technique, if the nucleus is properly supported by the Nucleus Sustainer (AE-2530).
**Akahoshi Universal II Prechopper - AE-4192**

Overall Length: 120 mm  
Blade Length: 4.5 mm  
For Nucleus Grades 2 to 4  
This prechopper, a variation of our Universal Prechopper (AE-4282), is suitable for the vertical Counter Prechop technique within a 2 mm incision. It is designed to be used with the Nucleus Manipulator (AE-2530) in the side port incision to support the nucleus on the same axis during the Counter Prechop technique.

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**Hill Prechopper – AE-4193**

Overall Length: 120 mm  
Blade Length: 5 mm  
For Nucleus Grades 2 to 4  
For a nucleus of grade 2, this design will allow for easier penetration, with initiation and propagation of the first crack using Dr. Akahoshi’s standard “karate” pre-chop technique. The sharp tip and thin edges, allow the instrument to move more easily through nuclear material. For nuclei grades 3-4 the sharp tip and razor sharp internal cutting edge, allows the surgeon to both penetrate and slice through the nucleus using a downward movement of the tip while simultaneously elevating the handle. This allows the curved, sharp inside edge of the instrument to cut through the nucleus using both vertical and horizontal forces, much like the cutting action of a saber blade. Enables the division of dense nucleus without counter force.

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**Aguilar Prechopper – AE-4194**

Overall Length: 120 mm  
Blade Length: 4.5 mm  
Smaller blades allow for easier entry through a 2.0 mm incision. Special beveled blades used for prechopping the upper surface or lower surface.

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**Tolia Lens Forceps - AE-4203**

Overall length: 116 mm  
Angle to tip: 9 mm  
Features a notch at the tip to facilitate positioning of the optic and implantation of the haptic.

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**Anis Lens Holding Forceps - AE-4204**

Overall length: 115 mm  
Angle to tip: 9 mm  
Tip width: 0.50 mm  
Extra delicate, smooth jaws, 45° angle
**ASICO Lens Holding Forceps - AE-4209**
Overall length: 120 mm
Angle to tip: 18 mm
0.20 mm diameter peg on the upper jaw and a fine notch on the lower jaw to hold the superior haptic

**laydes Lens Holding Forceps - AE-4211**
Overall length: 110 mm
Angle to tip: 10 mm
Very delicate, narrow smooth jaws, 45° angle

**Fish IOL Forceps - AE-4217**
Overall length: 111 mm
Angle to tip: 10 mm
Tip width: 2.60 mm

**Villarrubia DSAEK Forceps – AE-4219**
Length: 140 mm 23 Gauge
Length of Bonn Style Teeth: 0.12 mm
Enters through an incision opposite the main incision to gently guide the donor disk into the anterior chamber. Bonn style teeth of 1x2 of 0.12 mm enables easy grasp of endothelium button.

**Hirschman Lens Holding Forceps - AE-4220**
Overall length: 110 mm
With fine notched tips
**Kobayashi-Tan DSAEK Forceps – AE-4221**
25 Gauge
Overall: 140 mm
Enters through an incision opposite the main incision to gently guide the donor disk into the anterior chamber.

**Kellan Endocapsular IOL Insertion Forceps - AE-4222**
Overall length: 100 mm
Length from notch to tip: 1.00 mm
Diameter of the tip is 0.15 mm for implantation of the superior haptic of the IOL

**Vukich ICL® Forceps – AE-4224**
Overall Length: 135 mm
Tip Length: 18 mm
Tip Width: 0.4 mm
Long delicate jaws allow accurate positioning of the IOL within the cartridge of the injector and help ensure reproducible placement of the lens each and every time. Round tip and flat polished surface eliminates the chances for accidentally scratching the lens. Forceps can be used for intraocular manipulations of the lens at the incision site.

**Kelman Lens Holding Forceps - AE-4225**
Overall length: 115 mm
Angle to tip: 8 mm
Right angled tips

**Tan DSAEK Forceps – AE-4226**
23 Gauge
Overall Length: 137 mm
Shaft Length: 26 mm
Enters through an incision opposite the main incision to gently guide the donor disk into the anterior chamber. The forceps is designed in such a way that allows grasping the donor button on stromal side only which minimizes endothelial loss.
**John DXEK Inserting Forceps – AE-4227**

Overall Length: 135 mm  
Tip Length: 18 mm  
Tip Angle: 30°  
Tip Width: 0.4 mm

Unique forceps design allows for distal tip contact first preventing tissue compression and protects donor corneal endothelium.

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**Shephard Lens Forceps - AE-4234**

Overall length: 120 mm  
Width of jaws: 1.50 mm  
Serrated jaws, without lock

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**Kraff Lens Holding Forceps**

**AE-4230**

AE-4231 Round handle  
Overall length: 120 mm  
Length of tip: 3 mm

Delicate, curved jaws grasp optic edge of the lens

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**Shephard Intraocular Lens Forceps - AE-4235**

Overall length: 90 mm  
3 mm lower jaw and 1.5 mm upper jaw, serrated jaws, with lock
Lieberman Lens Forceps

**AE-4236**

**AE-4236L** With lock
- Overall length: 110 mm
- Angle to tip: 10 mm
- Width of T-bar: 2 mm
- T-bar on upper and lower jaws for excellent stability in holding biconvex IOL. 15° angled jaws. Ideal for phakic lens implantation

**Sinskey Lens Holding Forceps - AE-4237L**

- With lock
- Overall length: 110 mm
- Angle to tips: 9 mm
- Width of T-bar: 2 mm
- With delicate T-shaped lower jaw, ideal for biconvex, ridged or plano lenses. Ideal for phakic lens implantation, 45° for superior approach

**Lieberman Micro-Ring Lens Forceps - AE-4240**

- Overall length: 110 mm
- Diameter of ring: 1.20 mm
- Enables easy implantation of IOL haptic and optic. 15° angulation of jaws for comfortable hand position

**Bohr MemoryLens® Forceps - AE-4241**

- Overall length: 108 mm
- Width of T-bar: 2 mm
- T-bar conforms to folded biconvexity of prefolded IOL

**Piovella MemoryLens® Forceps - AE-4242**

- Overall length: 108 mm
- Features recessed space to conform to folded biconvexity of prefolded IOL. Two horizontal markings on upper jaw guide the limitation of introduction of forceps into prefolded IOL
Me men MemoryLens® Forceps - AE-4243
Overall length: 108 mm
Width of T-bar: 2 mm
Curved microplates conform to the curvature of the pre-rolled IOL allowing for a secure torque-free implantation

Packo Conjunctiva Forceps - AE-4244
Overall length: 105 mm
Angle to tip: 7 mm
Tip diameter: 1.20 mm
For non-traumatic manipulation of the conjunctiva

Faulkner Lens Holding Forceps – AE-4245N
Jaw Length: 8 mm
Ideal for picking up foldable IOLS from their lens cases. Tips are rounded & polished for atraumatic handling of the IOLs. Can be used for silicone and acrylic IOLs.

Faulkner II Lens Inserting Forceps - AE-4247
Overall length: 124 mm
Angle to tip: 11.5 mm
For foldable IOL

ASICO Haptic Holding Forceps - AE-4251
Overall length: 83 mm
0.25 mm diameter with curved shank and smooth contact surface for placing superior haptic in the bag

www.asico.com
Akahoshi Acrylic IOL Loading Forceps – AE-4253N
Overall Length: 104 mm
Tip Width: 1 mm
Narrow blades enable easy pick up of the Acrysof® single piece and three piece IOLs from the container. Tip edges are rounded and mirror polished so as to not damage the IOL. Smooth tips gently place optic in the cartridge curling towards the cartridge floor so the lens can be easily pushed by the plunger. Allows trailing haptic to be manipulated easier and decreases the incidence of inappropriate lens placement in the cartridge.

Acrysof® is a registered trademark of Alcon Labs.

Cu mming Silicone IOL Folder - AE-4254
Overall length: 105 mm
Ideal for 3-piece and plate haptic IOLs. Long paddles allow for secure pick up of the IOL and for even and effective folding.

Lovisolo ICL® Cartridge Loading Forceps – AE-4255N
Overall Length: 102 mm
Angle to tip: 12 mm
Round polished jaws ideal for removing the lens from the container and placing it into the cartridge.

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Lovisolo Implantable Contact Lens Removal Forceps - AE-4256
Overall length: 102 mm
Angle to tip: 12 mm
Round, sandblasted jaws firmly grasp lens inside the eye for removal in case of upside-down placement.

Nordan Unifold IOL Forceps
AE-4259 For 5.5 mm IOL
AE-4261 For 6.0 mm IOL
Overall length: 123 mm
Ideal for silicone and acrylic foldable IOLs. Consistently folds the IOL evenly and equally while preventing the lens from reverse folding. IOL can be folded 12 - 6 or 3 - 9 (oblique). With lock

Lovisolo ICL® Cartridge Loading Forceps – AE-4255N
Overall Length: 102 mm
Angle to tip: 12 mm
Round polished jaws ideal for removing the lens from the container and placing it into the cartridge.

ICL® is a registered brand of Staar Surgical.

Lovisolo Implantable Contact Lens Removal Forceps - AE-4256
Overall length: 102 mm
Angle to tip: 12 mm
Round, sandblasted jaws firmly grasp lens inside the eye for removal in case of upside-down placement.
Kellan Foldable IOL Forceps - AE-4260
- Overall length: 121 mm
- Length of loop: 5.7 mm
- Width of loop: 1.3 mm
- Designed to contour the silicone IOL rather than fold the IOL

ASICO Direct Action Folding Forceps - AE-4262AN
- Overall length: 104 mm
- Evenly folds acrylic and silicone lenses of 5.5 mm or 6.0 mm diameter. Paddles effectively pick up lens for even and equal folding

Nordan Foldable IOL Forceps - AE-4264
- Overall length: 102 mm
- Angle to tip: 17 mm
- Delicate cross-action jaw design reduces gaping of wound during IOL implantation

ASICO IV Foldable IOL Forceps AE-4265
- Straight
- Overall length: 108 mm
- Short, cross action, parallel blades

ASICO Direct Action Implantation Forceps - AE-4267
- With Lock
- Overall length: 120 mm
- Angle to tip: 15 mm
- Ideal for silicone and acrylic IOLs. Forceps open to 6.0 mm inside the eye, for non-explosive release of lens, without compromising a 2.8 mm incision

Akahoshi Acrylic Implant Forceps - AE-4269
- Flat Handle
- Overall length: 120 mm
- Angle to tip: 15 mm
- Thin, smoothly polished tips will not damage acrylic lens. For easy implantation without stretching a small incision
Kraff Nucleus Splitter - AE-4270N
Overall length: 107 mm
Tip length: 2.0 mm
Tip height: 1.0 mm
To effectively split the nucleus during the phaco procedure. Jaws open to a maximum of 3.0 mm

Buratto Acrylic IOL Implantation Forceps - AE-4271
Overall length: 105 mm
Angle to tip: 8 mm
Highly polished contoured jaws effectively hold the folded acrylic IOL. Thin and smooth jaws allow implantation through a small incision

Buratto II Acrylic IOL Implantation Forceps
AE-4272N Without lock
AE-4272L With lock
Overall length: 120 mm
Angle to tip: 8 mm
Highly polished jaws are extremely thin and smooth to implant lens through a small incision

Buratto III Extra Fine Acrylic Implant Forceps - AE-4273N
Overall length: 105.8 mm, Tip Angle: 35 degrees, Angle to tip: 8.2 mm
Designed to implant Acrylic lenses through the smallest incision possible, thinnest delicate jaws for implantation through clear cornea incision. Contoured jaws effectively hold the folded lens. Direct action forceps smoothly and controllably release lens inside anterior chamber. Ideal for 5.5 mm and 6.0 mm diameter lenses.

ASICO Acrylic IOL Implantation Forceps -AE-4275
Overall length: 104 mm
Angle to tip: 15 mm
Ideal for scleral tunnel incision. Features highly polished jaws, internal stop restricts stretching a small incision

Zaldivar Micro Acrylic Implant Forceps – AE-4276N
Overall Length: 125 mm
Tip Length: 8.5 mm
Tip Angle: 150º
Specially designed flat tip on the leading edge of the forceps facilitates implantation through a small clear corneal incision. Designed as an alternative to the screw injector to save time, steps and the lens. Forceps enters a 3.0 mm incision without stretching the incision size. Smoothly polished jaws easily open in the eye and do not mark the lens. Forceps can be used to implant the superior haptic.
**Akahoshi Universal Prechopper - AE-4282**
Overall length: 120 mm
For Nuclei of grades 2-4

**Akahoshi Paddle Prechopper - AE-4283**
Overall length: 120 mm
For Nuclei of grades 1-2

**Akahoshi Combo Prechopper – AE-4284**
Overall Length: 120 mm
Blade Length: 5 mm
For Nucleus Grades 1 and 2
Nuclei grades 1 to 2 can be easily divided using the Karate Prechop Technique. It is highly recommended to use a sustainer and prechop carefully while working on harder nuclei with weak ciliary zonules. The sustainer can support the nucleus to reduce stress on the ciliary zonules. With the phaco prechop technique, ultrasound time is reduced to less than 50% of that required with the conventional grooving method. Because the nucleus is divided beforehand, the movement of the phaco tips minimized. Mechanical and thermal damage to the wound is consequently reduced. Designed for small incision surgery, each prechopper opens to a maximum of 3 mm at the site of incision.

**Akahoshi Micro Incision Prechopper - AE-4285**
Overall Length: 107mm
For Nuclei of all grades. Ideal for Incision size of 1.5mm, Nuclei of any hardness can be easily divided using the special forceps designed for the Karate Prechop technique.

**Akahoshi Hybrid Combo Prechopper – AE-4286**
Overall Length: 120 mm
Blade Length: 5 mm
For Nucleus Grades 1 to 3
Groove enables easy rotation of the nuclei during prechopping. Nuclei of these grades can be easily divided using the Karate Prechop technique. It is highly recommended to use a sustainer and prechop carefully when working on harder nuclei with weak ciliary zonules. The sustainer can support the nucleus to reduce stress on the ciliary zonules. With the phaco prechop technique, ultrasound time is reduced to less than 50% of that required with the conventional grooving method. The movement of the phaco tip is minimized due to prior division of the nucleus. Mechanical and thermal damage to the wound is consequently reduced. Prechopper opens to a maximum of 3 mm at the site of incision.
Akahoshi Super Micro Prechopper – AE-4287

20 Gauge
Overall Length: 144 mm
Tip Length: 5.5 mm
For Nucleus Grades 1 to 3

Prechopper is able to fit through a 1.2 mm incision. Safely prechops grades 1-3 Nuclei. Designed to be used through a sideport incision, Micro Phaco Incision and Laser Phaco Incision. Tip was designed to open wide for more effective chopping of the nucleus without compromising the small incision of 1.2 to 1.5 mm. Opening and closing is within the anterior chamber. Reduces phaco time by 50%.

Akahoshi Universal Nucleus Splitter/Separator – AE-4289

Overall Length: 120 mm
Tip Length: 5.5 mm

Helps to complete the splitting of incompletely prechopped nuclei. Can also be used to divide the nucleus after grooving for divide and conquer technique; can attain nuclear division even if the grooving is not deep enough. Blunt and rounded ring can be used safely to attain complete division. Blunt ring tips are safe to touch the posterior capsule.

ASICO IOL Haptic Amputator - AE-4290

Overall length: 150 mm
Tip diameter: 1.0 mm
With protective cap, 19gauge, to amputate the loop of PMMA, polypropylene, polyamide, or other haptic material

Phillips IOL Cutter - AE-4292

Overall length: 150 mm
Overall length: 108.2 mm, Tip length: 11.48 mm, Tip angle: 25 degrees,
Angle to tip length: 28.5 mm, Tip width: 1.38 mm
Designed to allow intraocular cutting of foldable silicone, hydrogel and acrylic IOL’s. The Angulated posterior serrations securely grasp the IOL as the low profile cutter is advanced through the lens. Features a locking mechanism that holds the lens in place while cutting.
**Inamura** Eagle Prechopper – **AE-4293**
Overall Length: 120 mm
Tip Length: 5 mm
For Nucleus Grades 1 to 4
Narrow tip is easy to insert into the denser nucleus. It enables division from soft to dense nuclei without the counter force. The shape of the tip makes rotation of the nucleus easier in the capsule bag.

**Escaf** Prechopper – **AE-4295**
Overall Length: 120 mm
Blade Length: 3.25 mm
For soft to medium consistency cataracts. Can be used in combination with the ultrachopper wherein the prechopper helps make initial grooves in the cataract. Angled down tip helps for easy insertion of the prechopper blades. The broad surface divides the ultrachopped nucleus easily.

**Castroviejo** Suturing Forceps
**AE-4300** 0.12 mm
**AE-4302N** 0.30 mm
**AE-4304** 0.50 mm
**AE-4306** 0.90 mm
**AE-4308** 1.50 mm
Overall length: 108 mm
1x 2 teeth, with 6 mm tying platform

**Castro** Suturing Forceps, 0.3 mm – **AE-4302N**
Overall Length: 108 mm
Tying Platform: 6 mm
0.30 mm; 1 x 2 teeth

**Castroviejo** Suturing Forceps
**AE-4313** 0.30 mm
**AE-4315** 0.50 mm
Overall length: 108 mm
Angle to tip: 4 mm
1x 2 teeth, with 5.5 mm tying platform, angled
**Girard** Corneal Scleral Forceps  
**AE-4320** Right  
**AE-4321** Left  
Overall length: 107 mm  
1 x 2 teeth, 0.12 mm, 7.0 mm  
tying platform

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**Kraff** Corneal Forceps - **AE-4329**  
Overall length: 113 mm  
1 x 2 teeth, 0.12 mm forceps with tying platform

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**Manhattan Eye & Ear** Suturing Forceps - **AE-4330**  
Overall length: 87 mm  
1 x 2 teeth, 0.40 mm with tying platform

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**Uy** Femtosecond Capsulotomy Forceps - **AE-4333**  
Overall length: 149 mm,  
tip width: 1.55 mm and tip length: 4.5 mm.  
Features specially designed jaws with  
atraumatic ridges to grasp the ICL® without damage,  
rounded edges and a hole on the upper jaw for easy  
identification of the lens allowing improved visualization.

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**Akahoshi** Nucleus Cross-Action Forceps - **AE-4340**  
Angle to tip: 11 mm  
Suitable for removing nuclear fragments through a small incision

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**Tjia-Akahoshi** Capsulorrhexis Forceps  
Straight Jaws - **AE-4344**  
Vaulted Jaws - **AE-4344V**  
Straight Jaws with Laser Lines- **AE-4344L**  
Overall Length: 102 mm  
Blade Length: 11 mm  
Flat Handle. Long, thin blades that manipulate easily through a 2.0 mm or  
smaller incision. Sharp, triangular tips can be used as a cystotome. Safety  
platform prevents iris pick up.  
For vault version, jaws contour to the shape of the anterior capsule. For  
laser line version, laser lines are placed 1.0 mm and acts as a guide for  
capsulorrhexis
Akahoshi-Tija Capsulorrhexis Forceps w/Round Handle & Laser Lines

Straight Jaws - **AE-4344R**
Vaulted Jaws - **AE-4344VR**
Overall Length: 106 mm
Blade Length: 11 mm
Round Handle. Has laser lines to measure capsulorrhexis size. Thinnest jaws on the market. Triangular tip for easy grasping in the presence of viscoelastic. Fits through a 1.8 mm incision. Laser lines are placed 1.0 mm apart and act as a guide for capsulorrhexis.

Akahoshi Capsulorrhexis Cross-Action Forceps – **AE-4345**
Overall Length: 113 mm
Tip Length: 12 mm
Tip Angled at 135°
Specially designed for an incision of 2.2 mm or smaller. Unique cross action mechanism reduces loss of viscoelastic material through the incision. Consecutively deep anterior chamber can be maintained and rhexis edge can be better controlled. The pointed tips make the initial puncture of the anterior capsule easy and grasp the anterior capsule firmly.

Inamura Super III Capsulorrhexis Forceps – **AE-4346**
Overall Length: 103.5 mm
Patented reverse cross-action mechanism minimizes incision stretching and reduces visco loss. Can be used through an incision size of 2.2 mm to 2.5 mm.

Akahoshi Micro Incision Capsulorrhexis Forceps – **AE-4347**
Flat Handle
Overall length:120 mm, Angle to tip:15 mm
Long, thin blades ccc forceps that manipulate easily through a 1.6 mm incision.
Harms Tying Forceps  
**AE-4350** Straight  
**AE-4351** Curved  
Overall length: 102 mm  
Smooth jaws with 6.0 mm tying platform, 0.50 mm tip width.  
Ideal for 7-0 to 9-0 sutures

Guell LASIK Forceps - **AE-4356**  
Overall length: 100 mm  
Serrations allow for an effective non-traumatic grasp of the flap

Alio LASIK Forceps - **AE-4357**  
Overall length: 87 mm  
Curved forceps with crisscross serrations to effectively lift the flap. Epiteliorrhesis and lifting of the flap is extremely easy

Perone LASIK Forceps - **AE-4358**  
Overall length: 104 mm  
Ring diameter: 1.20 mm  
Circular rings with internal sandblasted surface ensures a firmer hold of the flap

Manche LASIK Forceps - **AE-4359**  
Overall length: 104 mm  
Oval width: 1.0 mm  
Solid oval tip with sandblasted inner surface is used to manipulate the flap with minimal risk of tearing or trauma

Jaffe Tying Forceps  
**AE-4360** Straight  
**AE-4361** Curved  
Overall length: 102 mm  
Smooth jaws with 6.0 mm tying platform, 0.30 mm tip width.  
Ideal for 8-0 to 11-0 sutures
**Buratto LASIK Forceps - AE-4362**
Overall length: 102 mm
Feature fine sandblasting on tips for effective lifting of flap

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**Nordan Tying Forceps - AE-4365**
Curved with 5.0 mm tying platform
Overall length: 104 mm
Round knurled handle with flat surface.
Ideal for 8-0 to 11-0 sutures

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**Vidaurri LASIK Forceps – AE-4367**
Overall Length: 106 mm
Angle to Tip: 13 mm
Tip Width: .38 mm
Curved, bullet shaped tips avoid epithelial damage and will not drag epithelium into the interface, reducing chance of ingrowth. Minimizes wrinkles and Striae

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**Kobayashi Chalasis Forceps – AE-4368**
Overall Length: 105 mm
Newly optimized for performing conjunctivochalasis surgery. Tips conform to the curvature of the sclera, and allow the surgeon to grasp the loose conjunctiva gently with ease. Superficial cauterization can be quickly completed without complication.

**Kobayashi Chalasis Forceps, Small – AE-4368S**
Overall Length: 103 mm - Angle of Tip: 45° - Length of Platform: 5 mm - Tip Size: 0.3 mm

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**McPherson Tying Forceps**
**AE-4370** Straight
Overall length: 82 mm

**AE-4373** Straight long handle
Smooth jaws, 5 mm long platform. Ideal for 8-0 to 11-0 sutures
McPherson Tying Forceps

**AE-4371**
Overall length: 82 mm

**AE-4374** Long handle
Angled, smooth jaws, 5 mm long platform,
Ideal for 8-0 to 11-0 sutures

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Kelman-McPherson Forceps

**AE-4372**
Overall length: 82 mm

**AE-4375** Long handle
Overall length: 102 mm
Angled, smooth jaws, 7.5 mm long platform,
Ideal for implanting IOL

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ASICO Tying Forceps with Fine Platform – **AE-4377**

Overall Length: 88.00 mm
Length of Platform: 5.00 mm
These forceps are designed with handles that allow a better grip and have a precise finish on the tips.

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Sinskey Tying Forceps

**AE-4378** Straight

**AE-4379** Curved
Overall length: 110 mm
Very delicate smooth jaws, ideal for 8-0 to 11-0 sutures
**Tennant** Tying Forceps  
**AE-4380** Straight  
**AE-4381** Curved  
Overall length: 102 mm  
Tip width: 0.25 mm  
Extra delicate smooth jaws, 6 mm long platform.  
Ideal for 9-0 to 11-0 sutures

**Kraff LRH** Tying Forceps - **AE-4382**  
Straight  
Overall length: 140 mm  
With platform

**Ikeda** Super Micro Capsulorrhexis Forceps – **AE-4385**  
23 Gauge  
Overall Length: 139 mm  
Sharp tip can be used as a cystotome. 90° curved forceps allow for easy maneuverability through the paracentesis incision. Specially designed platform in the jaws allow for a secure hold of the anterior capsule in the presence of viscoelastic. Round handle provides better control.

**Ikeda** Micro Capsulorrhexis Forceps, w/ Short Shaft & Handle – **AE-4385S**  
Overall Length: 116 mm - Tip Length: 16 mm - Jaw Length: 0.5 mm

**Anis** Tying Forceps  
**AE-4386** Straight  
**AE-4387** Curved  
Overall length: 110 mm  
Extra delicate smooth jaws. Ideal for 9-0 to 11-0 sutures.
Kawai Capsulorrhexis Forceps

**AE-4388** 23 Gauge

**AE-4404** 25 Gauge, short shaft

Overall Length: 139 mm

Tips are at a 45 degree angle. Sharp tip can be used as a cystotome. Segations extend to end of the jaws for better grasp of the anterior capsule in the presence of viscoelastic. Recessed space in jaws prevents inadvertent iris pickup. Jaws open wide for better visibility. Round handle provides better control.

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Fine-Ikeda Micro Capsulorrhexis Forceps, Short – **AE-4389S**

Overall: 128 mm

Tip Blade Length: 16.28 mm

Tip Length: 7.5 mm

Tapered tips allow for easy maneuverability through the paracentesis incision. 13 mm shaft from tip to handle gives adequate access within the anterior chamber. Features 90° tip that can be used as a cystotome. Proximity of the tip allows for easy working in the sub-incisional area without snagging the Descemet's membrane. Compressible handle allows for maximum tactile feedback.

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Inamura Capsulorrhexis Forceps - **AE-4390**

Square profile of jaws seal the incision, eliminating viscoelastic leaking and anterior chamber flattening. Opening and closing within anterior chamber so incision is not stretched. Jaws open to a maximum of 2.8 mm. Tips feature 45° angle for better visualization, and laser lines for measurement.

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Gaskin Fragment Forceps - **AE-4391**

Overall length: 102 mm

Angle to tip: 11 mm

Angled. very delicate. smooth jaws

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Kraff-Uttrata Capsulorrhexis Forceps

**AE-4394**

**AE-4394L** With laser lines

**AE-4394S** With sharp tip to be used as a cystotome

**AE-4394SL** With sharp tip and laser lines

Recessed jaws prevent inadvertent iris pickup. Tongue and groove system keeps jaws aligned.
**Kraff- Utrata Capsulorrhexis Forceps**
- **AE-4395SN** With sharp tip
- **AE-4395SL** With sharp tip and laser lines
  - Overall length: 105 mm
  - Angle to tip: 11 mm
  - Vaulted with sharp tip to be used as a cystotome. Tongue and groove system keeps jaws aligned.

**Kellan Capsulorrhexis Forceps**
- **AE-4397**
- **AE-4397V** Vaulted
- **AE-4397VL** Vaulted with laser lines
  - Overall length: 105 mm
  - Angle to tip: 11 mm
  - Cupped tips effectively grasp the anterior capsule. Tongue and groove system keeps jaws aligned.

**Troutman Tying Forceps - AE-4398**
- Overall length: 118 mm
- For 4-0 to 7-0 sutures

**Kansas Nucleus Fragment Forceps - AE-4399**
- Overall length: 105 mm
- Angle to tip: 9.5 mm
- 9.5 mm jaws with multiple teeth, for manual nuclear fragmentation

**Berke Ptosis Forceps**
- **AE-4400** 20 mm
- **AE-4401** 27 mm
  - Overall length: 107 mm
  - With sliding lock, longitudinally grooved jaws
Ikeda-Nozomi Capsulorrhexis Forceps – AE-4402
23 Gauge
Overall Length: 140 mm
Shaft Length: 24 mm
Shaft Diameter: 0.55 mm
Forceps tip has unique design like Japan’s Shinkansen Super Express. The unique shape of the tip allows for better visibility and maneuverability through the paracentesis incision. Broad shape of the blades ensure a firm grip. Sharp tip may be used as a cystotome.

Ikeda Nozomi Capsulorrhexis Forceps w/ Short Shaft & Handle – AE-4402S

Fujita Capsulorrhexis Forceps – AE-4403
Overall Length: 98.5 mm
Hinge to Tip: 9 mm
Spring handle forceps for more tactile feedback. Fits through a 2.2 mm incision. Sharp tips can be used as a cystotome. Improved hinge joint for better durability. Fenestrated handle to reduce the weight of the instrument.

Kawai Capsulorrhexis Forceps – AE-4404
25 gauge (.50 mm), Serrations, Sharp Tip can be used as Cystotome,
Overall Length: 117 mm. Tips are at a 45 degree angle
Serrations extend to end of the jaws for better grasp of the anterior capsule in the presence of viscoelastic. Recessed space in jaws prevents inadvertent iris pickup. Jaws open wider for better visibility. Round handle provides better control.

Jameson Muscle Forceps
AE-4410 Right
AE-4411 Left
Overall length: 100 mm
Angle to tip: 12 mm
With sliding lock, 6 teeth, adult size

Nugent Superior Rectus Forceps - AE-4420
Overall length: 97 mm
Angled, 1 x 11 teeth
Troutman Superior Rectus Forceps - AE-4430
Overall length: 106 mm
1.2 mm wide angled jaws,
1x 2 teeth, 0.50 mm

Bonaccolto Utility Forceps
AE-4440  1.20 mm wide
AE-4441  1.70 mm wide
Overall length: 113 mm
Longitudinally serrated jaws with cross serrations at tips

Zaldivar-Kraff ICL® PACman Forceps – AE-4446
Shaft: 0.9 mm
Overall Length: 148 mm
Features specially designed jaws with atraumatic ridges to grasp the ICL® without damaging it. Rounded edges and a hole on the upper jaw allow for easy identification of the lens and improved visualization. The gentle curve at the tip of the jaws contours to the curvature of the optic so that it is not touched by the forceps. The length of the jaws align with the length of the haptics and the jaws open wider for an easy grasp.

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Nakamura ICL Loading/Removal Forceps - AE-4447
Overall length: 149 mm, tip width: 1.55 mm and tip length: 4.5 mm.
Features specially designed jaws with atraumatic ridges to grasp the ICL® without damage, rounded edges and a hole on the upper jaw for easy identification of the lens allowing improved visualization.

Arruga Capsule Forceps - AE-4500
Standard curve
Overall length: 98 mm

Arruga Capsule Forceps - AE-4501
New curve
Overall length: 98 mm

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**FORCEPS**

**Kraff-Utrata Capsulorrhexis Forceps, w/ Vault, Laser Lines, Round Handle – AE-4504RH**

Overall Length: 106 mm  
Blade Length: 11 mm  
Jaws are recessed to prevent iris pickup. Thin blades manipulate easily through a 2.0 mm or smaller incision. Laser lines 1.0 mm apart allow measurement of the capsulorrhexis. Sharp tip acts as a cystotome. Tongue and groove mechanism prevents jaw misalignment.

**Kraff-Utrata Capsulorrhexis Forceps w/ Straight Tip, Laser Lines, Round Handle – AE-4503RH**

**Barraquer Cilia Forceps - AE-4520**

Overall length: 703 mm  
Lightly angled, smooth jaws

**ASICO Cilia Forceps with Fine Tips – AE-4528**

Overall Length: 110 mm  
Platform Length: 3 mm  
These forceps have fine sand blasted tips that allow for a better grasp of the eyelashes.

**Erhardt Lid Forceps - AE-4530**

Overall length: 90 mm  
Width of oval: 26 mm  
Oval

**Graether Pupil Expander Forceps – AE-4545**

Overall Length: 100 mm  
Bend to Tip: 10.4 mm  
Flat jaws designed for easy, controlled pick-up and accurate placement of the silicone ring for dilating small pupils.
**Baird** Chalazion Forceps - AE-4600
Overall length: 98 mm
Tip width: 14 mm
Oval, small

**Desmarres** Chalazion Forceps - AE-4610
Overall length: 90 mm
Tip width: 26 mm
Large

**Francis** Chalazion Forceps - AE-4620
Overall length: 97 mm
Tip width: 17 mm
Medium

**Hunt** Chalazion Forceps - AE-4630
Overall length: 97 mm
Tip width: 15 mm
Round

**Lambert** Chalazion Forceps - AE-4640
Overall length: 92 mm
Tip width: 11 mm
Round, small

**Lordan** Chalazion Forceps - AE-4650
Overall length: 92 mm
Triangular jaws
**Wies Chalazion Forceps - AE-4660**
Overall length: 94 mm
Tip width: 15 mm
Grooved upper jaw

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**ASICO Jeweler’s Forceps - AE-4701 #1**
Overall length: 120 mm
Standard tips

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**ASICO Jeweler’s Forceps - AE-4703 #3**
Overall length: 117 mm
Delicate tips

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**ASICO Jeweler’s Forceps - AE-4703C #3C**
Overall length: 110 mm
Delicate, short tips

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**ASICO Jeweler’s Forceps - AE-4704 #4**
Overall length: 110 mm
Delicate tips

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**ASICO Jeweler’s Forceps - AE-4705 #5**
Overall length: 110 mm
Delicate tips
**ASICO Jeweler’s Forceps - AE-4705A #5A**
Overall length: 115 mm
Delicate, angled tips for removal of 9-0 and 10-0 sutures

**ASICO Jeweler’s Forceps - AE-4707 #7**
Overall length: 110 mm
Curved tips

**Baby Jones Towel Clamp - AE-4800**
Overall length: 60 mm
Cross action

**Halsted Mosquito Forceps**
**AE-4810** Straight
**AE-4811** Angled
Overall length: 120 mm
Delicate, serrated tips

**Hartmann Mosquito Forceps**
**AE-4815** Straight
**AE-4816** Angled
Overall length: 93 mm
Delicate, serrated tips

**Serrefine - AE-4820**
Overall length: 36 mm
Small, straight

**Akahoshi Scrubbing Forceps - AE-4821**
Scleral Plug Forceps - AE-4900N
Overall length: 97 mm
For implanting scleral plugs of various sizes

ICMS™ Tying Forceps
AE-4906 curved shaft
AE-4908 straight shaft
23 Gauge
Shaft Length: 28 mm
Features specially designed jaws for handling the sutures securely without damage.

Chee Subluxated IOL Grasping Forceps – AE-4907
21 Gauge
Overall Length: 128 mm
Tip Blade Length
Tip Length: 2.86 mm
This specially designedatraumatic forceps has gently sand-blasted gripping surfaces that allow the surgeon to reach and hold onto the IOL optic or haptic as needed.

VRTIS™ Tanaka Maculorhexis Trocar Forceps – AE-4909
23 Gauge
Overall Length: 146 mm
Designed to go through 23 gauge trocar. Forceps designed to perform rhexis on the macula. Specially designed tip to initiate the rhexis. Jaws of the forceps are treated for maximum secure grasping.

Watzke Sleeve Spreader - AE-4910
Overall length: 114 mm

VRTIS™ Tano Asymmetrical Forceps
AE-4911 23 gauge
AE-4923 25 gauge
AE-4916 27 gauge
Overall Length: 144 mm
Designed to ensure an excellent grip and visibility. Platform is pointed to one side for precise grasping along the retinal surface. Can be used through the respective gauge size trocar.
**VRTIS™ Fine End Gripping Forceps**

**AE-4912** 23 gauge  
**AE-4924** 25 gauge  
Overall Length: 146 mm  
Tip Length: 35 mm  
Features a blunt tip with a small 1.25 mm angled platform for precise grasping of the thin membrane.  
A multi utility design for a variety of VR procedures including ILM, maculorrhexis and other VR procedures.

**VRTIS™ Thin Fine End-Gripping Forceps**

**AE-4912T** 23 gauge  
**AE-4924T** 25 gauge  
**AE-4917** 27 gauge  
Overall Length: 144 mm  
Thinner version of VRTIS™ Fine End-Gripping Forceps. Thin profile increases accessibility to and maneuverability around the macular region. Thin version is recommended for peeling small areas of ILM with lighter adhesion. Fits through respective gauge trocar size.

**VRTIS™ Corcostegui Pick Forceps**

**AE-4913** 23 gauge  
**AE-4925** 25 gauge  
**AE-4915** 27 gauge  
Overall Length: 144 mm  
Curved jaws are designed to provide increased visibility while grasping and elevating the membrane even when jaws are closed. Broad surface of the tip allows for effective picking and peeling. Can be used through respective gauge size trocar.

**VRTIS™ Thin Corcostegui Pick Forceps**

**AE-4913T** 23 gauge  
**AE-4925T** 25 gauge  
Overall Length: 144 mm  
Thinner version of the Corcostegui Pick Forceps. Thin profile allows more precise grasping and tissue removal can be achieved with a single maneuver. Concave jaws provide optimal visibility. Broad spatulated tips allow for effective picking and peeling of the ILM. Thin version is ideal for smaller surface areas with less adhesion. Can be used through the respective gauge size trocar.

**VRTIS™ Serrated Forceps**

**AE-4914** 23 gauge  
**AE-4926** 25 gauge  
Overall Length: 146 mm  
Tip Length: 35 mm  
Features serrations on the inside 1.50 mm length of the jaw. Designed for effective non-slip grasping of the membrane. These forceps are excellent for manipulating fibrotic membrane.
**VRTIS™ Kawai Pick Forceps – AE-4918**

23 Gauge  
Overall Length: 148 mm  
Fine serrated platform with 45° pick facilitates firm grasp of ELM without initial flap by MVR. Curved shaft for easy access into the vitreous cavity. Can be used through a 23 Gauge trocar.

---

**VRTIS™ Pick and Peel Forceps**

**AE-4919** 23 gauge  
**AE-4929** 25 gauge  
Overall Length: 148.5 mm  
Tip Length: 35 mm  
Jaw Length: 1.8 mm  
Forceps are designed to grab the donor button safely and effectively with the pull-through technique. 0.12 mm bonn style tips provide for easier hold of the donor button. Small gauge size reduces the possibility of anterior chamber leak. Uniquely designed tips assist in easy picking and peeling of the ILM membrane.

---

**VRTIS™ Horio ILM/Subretinal Forceps – AE-4927**

25 Gauge  
Overall Length: 144 mm  
25 gauge forceps allows for better visibility while peeling the ILM membranes. Blunt tips with platform provide a safety feature while peeling the ILM membrane.

---

**Zaldivar Iridectomy Forceps - AE-4965**

Overall length: 140 mm  
23 gauge straight instrument can be used through paracentesis incision. Serrated jaws effectively grasp the iris. 90° angled tip is perpendicular to the iris plane for easy iris pickup. Can be used with AE-5665 Iridectomy Scissors.

---

**John Retrocorneal Super Micro Forceps – AE-4962**

23 Gauge  
Overall Length: 138 mm  
Tip Length: 25 mm  
Round, smooth handle on these micro forceps allow for side-to-side rotation for holding, pulling and retracting tissues at different angles within the anterior chamber at the retrocorneal plane. The micro-forceps also effectively hold corneal tissue within its microplatforms.
**FORCEPS**

**Alio Iridectomy Forceps, Curved Shaft – AE-4965S**

23 Gauge  
Overall Length: 134 mm  
Shaft Length: 21 mm  
Can be used through sideport. Curvature of shaft ideal for capsulorrhexis. Round handle for easy maneuverability. Angled 90° tip has serrated jaws and is perpendicular to the iris plane for easy pick up of the iris. Forceps can be used through the paracentesis incision and the tip of the forceps can be used as a cystotome.

**Nishi Tension Ring II – AE-4967**

Overall Length: 158 mm  
Shaft Size: 33 mm  
Shaft Diameter: 1 mm  
Micro hook engages the eyelet of the tension ring and draws the ring into the tube without damage or loss of shape. The tension ring can be engaged clockwise or counterclockwise, unlike similarly designed instruments.

**Nishi Tension Ring Forceps/Manipulator – AE-4969**

21 Gauge  
Overall Length: 134 mm  
Shaft Length: 25 mm  
Tip fits well through a sideport incision. Distal tip is made up of a disc with a hole to accommodate the manipulator. The manipulator can be used independently and is designed to engage the eyelet of the tension ring to guide the ring around the capsule. The combination of the disc and the manipulator can be used as a forceps to guide the tension ring around the cataract mass to be placed in the capsule.

**Tanaka Maculorrhexis Forceps – AE-4975**

23 Gauge  
Overall Length: 137.5 mm  
Shaft Length: 27.5 mm  
Forceps designed to perform rhexis on the macula. Specially designed tip to initiate the rhexis. Jaws of the forceps are treated for maximum secure grasping.

**Kawai ILM Forceps – AE-4980**

25 Gauge  
Overall Length: 142 mm  
Shaft Length: 32 mm  
Forceps with a specially designed platform for better visibility of thin membrane in the macular region. Coated jaws for secure grasp with a non glare finish.
**VRTIS™ Kawai ILM Forceps**

**AE-4982** 23 gauge, curved shaft

**AE-4983** 25 gauge, straight shaft

- Overall Length: 142 mm
- Shaft Length: 32 mm

Fits through a trocar. Forceps with a specially designed platform for better visibility of thin membrane in the macular region. Coated jaws for secure grasp with a non glare finish.

---

**Kawai Sub Retinal Forceps – AE-4990**

- 23 Gauge
- Overall Length: 149 mm
- Tip Length: 4 mm

Tip tapers to 25 gauge. Serrated jaws effectively grasp sub-retinal neovascular membrane through a small retinectomy incision.
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Some models feature stop in order to advance scissors without the blades being removed from the incision.

Scissors which feature inner blade longer than outer blade are also for advancing scissors without removing the blades from the incision.
**SCISSORS**

**Barraquer Corneal Section**
(Corneoscleral) Scissors

*AE-5000* Right

*AE-5001* Left
Overall length: 121mm
Length of blades: 10.0mm
Angled with stop

**Barraquer Corneal Section - AE-5002**
(Corneoscleral) Scissors
Right
Overall length: 108mm
Length of blades: 8.0mm
Angled with stop

**Castroviejo Corneal Section**
(Corneoscleral) Scissors

*AE-5012* Right

*AE-5013* Left
Overall length: 108mm
Length of blades: 6.0mm
Inner blade 0.5mm longer than outer blade

**Troutman-Castroviejo Corneal Section**
(Corneoscleral) Scissors

*AE-5030* Right

*AE-5031* Left
Overall length: 108mm
Length of blades: 10.0mm With stop
SCISSORS

Troutman - Castroviejo Corneal Section (Corneoscleral) Scissors
AE-5032 Right
AE-5033 Left
Overall length: 108mm
Length of blades: 6.0mm
With stop

Nordan Corneal Transplant Scissors - AE-5045N
Left
Overall length: 108mm
Length of blades: 7.0mm
Curved, delicate blades

Castroviejo Universal Corneal Scissors
AE-5052N Small 10.0mm Blades
AE-5054N Medium 12.0mm Blades

Castroviejo Keratoplasty Scissors - AE-5062
12.0mm Blades
Overall length: 114mm
Angled to side, blunt tips
Iris Scissors
AE-5100 Straight
AE-5101 Curved
Overall length: 110mm
Length of blades: 15.0mm

Micro Iris Scissors
AE-5110 Straight
AE-5111 Curved
Overall length: 100mm
Length of blades: 8.0mm

McPherson-Vannas Iris Scissors - AE-5120
Overall length: 83mm
Length of blades: 9.0mm
Curved. sharp tips, miniature
**Borroquer Iris Scissors - AE-5220**
Overall length: 54mm
Length of blades: 7.0mm
Blunt tips

**Vannas Capsulotomy Scissors**
**AE-5400** Straight
**AE-5410** Curved
Overall length: 83mm
Length of blades: 8.0mm
Very delicate tips

**Vannas Capsulotomy Scissors**
**AE-5420** Angled up
**AE-5430** Angled to side
Overall length: 83mm
Length of blades: 7.0mm
Very delicate tips

**Shimowake Nucleus/IOL Scissor, Serrated – AE-5437**
Overall Length: 87mm
Blade Length: 9.2mm
Features specially designed tips to cut an acrylic lens and the nucleus
**Akahoshi IOL Scissors – AE-5438**

Overall Length: 85mm  
Blade Length: 9.5mm  
Features specially designed tips to cut an acrylic lens and the nucleus. For added safety, the tips of the scissors have a rounded ball to prevent any potential tears on the capsule and/or the iris.

**Stern-Gills Capsulotomy Scissors - AE-5490**

Overall length: 108mm  
Length of blades: 10.0mm  
Extra thin blades

**Hoffer-Stern Capsulotomy Scissors - AE-5491**

Overall length: 108mm  
Length of blades: 10.0mm  
Extra thin, curved, sharp, convex blades. Ideal for cutting anterior capsule

**Uribe-Stern Capsulotomy Scissors - AE-5492**

Overall length: 108mm  
Length of blades: 10.0mm  
Extra thin, curved, concave, sharp blades. Ideal for cutting anterior capsule

**ASICO- Vannas Scissors - AE-5495N Straight**

Overall length: 108mm  
Length of blades: 10.0mm  
Extra thin, sharp points. Ideal for cutting anterior capsule
**ASICO-Vannas Scissors AE-5496**
Curved
Overall length: 108mm
Length of blades: 10.0mm
Extra thin, sharp points. Ideal for cutting anterior capsule

**Westcott Tenotomy Scissors**
**AE-5500** Right
**AE-5501** Left
Overall length: 114mm
Length of blades: 22.0mm
Curved, blunt blades

**McPherson- Westcott Conjunctival Scissors - AE-5505**
Overall length: 108.0mm
Length of blades: 10.0mm
Curved, blunt tips

**ASICO Conjuctiva Scissors – AE-5507**
Overall Length: 121.00mm
Length of Blades: 11.00mm
These scissors are designed with a precise finish on the tips and the handles.

**ASICO Conjuctiva Scissors II – AE-5508**
Overall Length: 110mm
Designed with a matte finish on the tips and handle.

**McPherson- Westcott Stitch Scissors - AE-5509**
Overall length: 108mm
Length of blades: 10.0mm
Very sharp pointed tips
Westcott- Type Stitch Scissors - AE-5510
Overall length: 112mm
Length of blades: 22.0mm
Sharp pointed tips

VRTIS™ Curved Scissors
AE-5606 23 gauge
AE-5623 25 gauge
AE-5626 27 gauge
Overall Length: 146mm
Tip Length: 35mm
Blade Length: 1.25mm
Multi purpose scissors featuring 1.25mm curved blades. This allows the blade to contour to the profile of the globe for cutting the membrane on the surface.

VRTIS™ Ohji Angled Horizontal Scissors
AE-5607 23 Gauge
AE-5680 25 Gauge
Overall Length: 144mm
Blade Length: 3.15mm
Shaft Length: 28mm
Blades with 30° bend allow for easy insertion and contour to the profile of the globe to safely cut the membrane along the retinal surface. Shaft has a non-glare surface finish.

VRTIS™ Vertical Scissors
AE-5608 – 23 Gauge
AE-5625 – 25 Gauge
Overall Length: 146mm
Tip Length: 35mm
Blade Length: 1.75mm
45° angled vertical scissors with 1.75mm distal blade. Designed to be stationary in order to provide precise control when cutting. Thin profile of the distal blade allows precise control with minimal risk to the choroids or underlying membrane.

VRTIS™ Kusaka Vertical Scissors – AE-5609
23 Gauge
Overall Length: 148mm
Blade Length: 2.3mm
Has 45° angled scissors with thin profile that allows precise control with minimal risks to choroids or underlying membrane. Scissors feature rounded tips to pick-up the tissue before cutting. Can be used through a 23 gauge trocar.
Vitreous Scissors

**AE-5611** 20 gauge (with irrigation)
**AE-5612** 18 gauge (with fiber optic)
Overall length: 145mm
Length of blades: 3.0mm
Straight jaws

---

ICMS™ Scissors, Curved – **AE-5613**

21 Gauge
Overall Length: 149mm
Tip Length: 38mm
A multi-functional design that features curved blades to effectively cut capsular tags, irises, haptics of IOLs and sutures.

---

Kusaka Non Trocar Vertical Scissors – **AE-5614**

23 Gauge
Overall Length: 147mm
Tip Length: 34mm
Jaw Length: 1.5mm
Has 45° angled scissors with a thin profile that allows precise control with minimal risks to choroids or underlying membrane. Long blades offer efficient membrane dissection. Blunt tips of scissors are less traumatic to the retina. Used in pediatric cases.

---

Horio ILM/Subretinal Scissors – **AE-5615**

25 Gauge
Overall Length: 144mm
The blunt tips provide a safety feature while peeling the ILM and the sandblasted platform helps catch the ILM. This long platform helps grab the subretinal strand behind the retina, while the space between the platform and the base prevents one from catching the retina.

---

Vitreous Scissors - **AE-5622**

18 gauge (with fiber optic)
Overall length: 145mm
Length of blades: 3.0mm
Jaws angled 30°
**SCISSORS**

**Kawai Horizontal Scissors – AE-5663**
- 25 Gauge
- Overall Length: 117mm
- Tip Length: 2.7mm
- Vertical horizontal scissors used for Iris reconstruction. Popular alternative to an iris retractor for cataract surgery on patients with poor mydriasis. Features short handle and short shaft for easy handling.

**Zaldivar Iridectomy Scissors - AE-5665**
- Overall length: 140mm
- 20 gauge instrument can be used through paracentesis incision.
- Curved blades for cutting ease and better visualization. For use with iridectomy forceps (AE-4965)

**Tan DALK Scissors, Left – AE-5666**
- Overall Length: 113mm
- Blade Length: 11mm
- Used to remove the anterior layer of corneal stroma to expose the stromal bed prior to air injection. Scissors cut the posterior stroma lamella into 4 quadrants and remove after big bubble formation. Platform on the bottom blade catches the top cutting blade to protect the DM.

**Tan DALK Scissors, Right – AE-5667**

**John ALK Scissors, Right – AE-5668**
- Overall Length: 113mm
- Blade Length: 11mm
- Specially designed to prevent tearing of DM while cutting the recipient corneal stroma. Rounded, spatulated tip pushes the DM down and catches the cutting blade.

**John ALK Scissors, Left – AE-5668L**

**Nishi Schlemm’s Canal Scissors – AE-5669**
- 21 Gauge
- Overall Length: 135mm
- Tip Length: 25mm
- Designed for deep sclerotomy and viscocanalostomy procedures. The above procedure calls for separating of the outer wall of the Schlemm’s canal from the adjoining scleral tissue. The scissors features a thin curved blade to precisely cut the scleral tissue adhering to the Schlemm’s canal. The scissors feature a thin shaft with a precise handle to cut the delicate tissue.
Iris Scissors
AE-5700 Straight
AE-5701 Curved
Overall length: 98mm
Length of blades: 27mm
Delicate, pointed tips

Eye Scissors
AE-5702 Straight
AE-5703 Angled
Overall length: 109mm
Length of blades: 30mm
Standard, pointed tips

Eye Scissors
AE-5705 Straight
AE-5706 Angled
Overall length: 100mm
Length of blades: 28mm
Standard, large rings

Stitch Scissors - AE-5710
Overall length: 102mm
Length of blades: 32mm
Needle points, lightly curved, ring handle
**Stevens Tenotomy Scissors**

**AE-5720** Straight  
**AE-5721** Curved  
Overall length: 112mm  
Length of blades: 32mm  
Blunt tips, ring handle

---

**Strabismus Scissors**

**AE-5730** Straight  
**AE-5731** Curved  
Overall length: 105mm  
Length of blades: 30mm  
Blunt tips, ring handle

---

**Enucleation Scissors**

**AE-5740** Medium Curve  
**AE-5741** Strong Curve  
Overall length: 130mm  
Length of blades: 43mm
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All needle holders are designed with beveled jaws to facilitate the suturing procedure and to eliminate the possibility of inadvertently breaking the suture.

Suture Cutter Models are designed to cut 9-0 to 11-0 sutures, except models AE-6160 and AE-6161, which can be ordered with suture cutters to cut 5-0 to 7-0 sutures.
McPherson Needle Holder
AE-6000 Straight, with lock
AE-6001 Straight, without lock
AE-6010 Curved, with lock
AE-6011 Curved, without lock
Overall length: 110mm
Length of jaws: 8.0mm
Extra-delicate jaws. Ideal for 8-0 to 11-0 sutures

Barraquer Needle Holder
AE-6100 Straight, with lock
AE-6101 Straight, without lock
AE-6110 Curved, with lock
AE-6111 Curved, without lock
Overall length: 110mm
Length of jaws: 8.0mm
Short model, delicate jaws. Ideal for 8-0 to 11-0 sutures

Barraquer Needle Holder
AE-6130N Straight, with lock
AE-6131 Straight, without lock
AE-6140 Curved, with lock
AE-6141 Curved, without lock
Overall length: 135mm
Length of jaws: 9.0mm
Delicate jaws. Ideal for 8-0 to 11-0 sutures
NEEDLE HOLDERS

**Troutman Needle Holder**

AE-6150 With lock
AE-6151 Without lock
Overall length: 120mm
Length of jaws: 8.5mm
Strongly curved, delicate jaws.
Ideal for 8-0 to 11-0 sutures

**Barraquer Needle Holder**

AE-6160 Curved, with lock
AE-6161 Curved, without lock
Overall length: 135mm
Length of jaws: 10.0mm
Standard jaws. Ideal for 4-0 to 7-0 sutures. Can be ordered with a suture cutter to cut 5-0, 6-0, and 7-0 sutures. A suture sample will be required

**ASICO Needle Holder**

AE-6170 Straight, with lock
AE-6171 Straight, without lock
AE-6172 Curved, with lock
AE-6173 Curved, without lock
Overall length: 125mm
Length of jaws: 6.0mm
Extra delicate jaws. Ideal for 8-0 to 11-0 sutures

**Castroviejo Needle Holder**

AE-6200N Straight, with lock
AE-6201 Straight, without lock
AE-6210 Curved, with lock
AE-6211 Curved, without lock
Overall length: 140mm
Length of jaws: 9.0mm
Delicate jaws. Ideal for 7-0 to 9-0 sutures
**Castroviejo Needle Holder**

AE-6220  Straight, with lock
AE-6230  Curved, with lock

Overall length: 140mm  
Length of jaws: 10.0mm  
Standard jaws. Ideal for 4-0 to 7-0 sutures

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**Kalt Needle Holder - AE-6300**

Overall length: 137mm  
Length of jaws: 10.0mm  
Straight, lightly serrated jaws. Ideal for 5-0 to 6-0 sutures

---

**Mcintyre Fish Hook Needle Holder - AE-6400**

Straight, with lack
Overall length: 121mm  
Length of jaws: 4.0mm  
Delicate jaws. Ideal for 8-0 to 11-0 sutures

---

**ICMS™ Needle Holder**

AE-6902  Straight
AE-6903  Curved

21 Gauge  
Overall Length: 138mm  
Shaft Length: 28mm  
Specially treated tungsten carbide jaws create a secure hold on the needle allowing for an easy intraocular suturing procedure.
AE - 7000 SERIES

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All irrigating and aspirating cannulas have irrigation on the tubing hubs and aspiration on the needle hubs (except AE-7330)

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CANNULAS

Air Injection (Rycroft) Cannula
AE-7000 30 gauge
AE-7001 27 gauge
Overall length: 32 mm
Angle to tip: 5.0 mm

Ahn DMEK Cannula
AE-7002 23 Gauge
AE-7004 27 Gauge
Overall Length: 41 mm
Tip Length: 0.17 mm
This device is used to inject air. Using bend to tip portion, it is easy to sweep across the anterior segment surface to open the graft.

John DMEK Cannula – AE-7003
30 Gauge
Overall Length: 41 mm
Shaft Length: 23.5 mm
Tip Length: 2.6 mm
Facilitates irrigation of BSS and air injection into the recipient anterior chamber as needed during the transplantation of the DM to the recipient cornea.

Kobayashi DMEK Cannula (25g-30g) Curved – AE-7005
Kobayashi DMEK Cannula (25g-33g) Curved - AE-7006
Overall Length 41 mm

Akahoshi Conjunctiva Irrigator – AE-7009
Conjunctival sac irrigator is attached to a 20cc disposable syringe filled with antiseptic solution
The irrigator is carefully introduced into the conjunctival fornix while the patient is closing their eye
As the plunger of the syringe is pushed, the conjunctiva is perfectly washed out by the antiseptic solution which is irrigated through multiple holes on the cannula

Lacrimal Cannula
AE-7010 23 gauge, straight
12 mm malleable tip
AE-7011 23 gauge, curved
15 mm malleable tip
Overall length: 32 mm

Mcintyre Lacrimal Cannula
AE-7020 23 gauge, straight
AE-7021 23 gauge, curved
Overall length: 46 mm
0.30 mm side port

www.asico.com
Kelman Cyclodialysis Cannula
AE-7030 19 gauge, right opening
Overall length: 32 mm
Spatulated tip, side opening

Randolph Cyclodialysis Cannula
AE-7040 21 gauge
AE-7041 19 gauge
Overall length: 32 mm
Angle to tip: 12.0 mm
Spatulated tip, front opening

Sheets Cyclodialysis Cannula - AE-7050
19 gauge
Overall length: 32 mm
Spatulated tip, one front and two side openings

Troutman Alpha-Chymotrypsin Cannula - AE-7060 25 gauge
Overall length: 28 mm

Atkinson Retrobulbar Needle
AE-7070 23 gauge
AE-7071 25 gauge
Overall length: 35 mm
Beveled tip

Buratto Subtenon Needle - AE-7076
14 gauge tapering to 19 gauge
Overall length: 38 mm
Angle: 60°
For injection of anesthesia under conjunctiva

Kelman Irrigating Cystotome - AE-7100
22 gauge
Overall length: 32 mm
Sharp on all sides

Kelman Cystotome Cannula - AE-7101
Overall length: 32 mm
Blunt on all sides, sharp at the tip

Kelman Double Blade Cystotome - AE-7102
www.asico.com
CANNULAS

Kratz Cystotome - AE-7115
22 gauge, angled
Overall length: 26 mm
Angle to tip: 10.0 mm
With sharp point and cutting edge

Lieppman Micro Cystotome - AE-7120
22 gauge
Overall length: 23 mm
Small and sharp cutting tip

Double Edge Cystotome
AE-7130 Small Size, 22 gauge
AE-7131 Micro Size, 22 gauge
Overall length: 21 mm
With a sharp point and beveled cutting edge on all sides

Fry Irrigating Cannula - AE-7190
18 gauge
Overall length: 34 mm
Angle to tip: 7.0 mm

Silicone Bulb & Adaptor
AE-7195 Complete set
AE-7196 Bulb only
AE-7197 Adaptor only

Bishop-Harmon Irrigating Cannula - AE-7200
19 gauge
Overall length: 34 mm
Angle to tip: 7.0 mm
Binkhorst Irrigating Cannula
AE-7201 25 gauge, straight
AE-7202 25 gauge, right
AE-7203 25 gauge, left
Overall length: 35 mm
Tip width: 2.5 mm
Smooth blunt tip, front opening, irrigation or aspiration in 12'oclock position

Binkhorst Irrigating Cannula
AE-7204 22 gauge, straight
AE-7205 22 gauge, right
AE-7206 22 gauge, left
Overall length: 35 mm
Tip width: 2.5 mm
Smooth blunt tip, front opening, irrigation or aspiration in 12'oclock position

Knolle Anterior Chamber Cannula
AE-7210 30 gauge
AE-7211 23 gauge
Overall length: 19 mm
Angle to tip: 2.0 mm
Irrigating

Mcintyre Anterior Chamber Cannula
AE-7218 25 gauge, angled
AE-7220 23 gauge, straight
AE-7222 23 gauge, angled
AE-7224 26 gauge, straight
AE-7226 26 gauge, angled
AE-7228 30 gauge, straight
AE-7230 30 gauge, angled
Overall length: 17 mm
Irrigating

McIntyre-Binkhorst Irrigating Cannula
AE-7231 26 gauge, right
AE-7232 26 gauge, left
Overall length: 15 mm
Width of tip: 2.6 mm
Tip width: 2.5 mm
Smooth blunt tip, front opening for irrigation or aspiration in 12o'clock position
### Shephard Air Injection Cannula

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE-7250</td>
<td>30 gauge, angled</td>
</tr>
<tr>
<td>AE-7251</td>
<td>27 gauge, angled</td>
</tr>
</tbody>
</table>

Overall length: 18 mm  
Angle to tip: 5 mm  
Flat tip for irrigating corneal incision

### Viscoelastic Aspirating Cannula

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE-7270</td>
<td>22 gauge</td>
</tr>
<tr>
<td>AE-7271</td>
<td>19 gauge</td>
</tr>
</tbody>
</table>

Overall length: 32 mm  
Angle to tip: 10 mm

### Akahoshi Visco ICG Cannula AE - 7272

Overall length: 39mm  
Designed to apply a small amount of  
Visco-ICG solution effectively on the capsular surface to paint the capsule. 27 gauge curved cannula with an oval port at its external tip

### Rubenstein LASIK Irrigation Cannula - AE-7277

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE-7277</td>
<td>23 gauge</td>
</tr>
</tbody>
</table>

Overall length: 45 mm  
Width: 2.9 mm  
Irrigation ports: 6; 2 ports on top, 2 on bottom and 2 at front center  
Loop design and curved shape allows for better ability to clean the interface and stroke the flap into position in primary and retreatments

### Dishier LASIK Irrigation Cannula

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE-7278</td>
<td>9.0 mm for superior flap</td>
</tr>
<tr>
<td>AE-7279</td>
<td>7.0 mm for nasal flap</td>
</tr>
</tbody>
</table>

Overall length: 15 mm  
Angle: 50°  
30 gauge with curved tip  
Irrigation ports: 4; 2 ports on either side Curved to follow the natural curvature of the cornea, blunt tip prevents snagging stromal tissue. Effective for repositioning the flap and removing any excess fluid out of the interface

### Bansal LASIK Irrigation Cannula - AE-7280

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>AE-7280</td>
<td>25 gauge</td>
</tr>
</tbody>
</table>

Overall length: 40 mm  
Irrigation ports: 1 front opening  
Smooth beveled tip to dissect and lift the flap with minimum epithelial trauma

### Manche LASIK Irrigation Cannula

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE-7281</td>
<td>24 gauge</td>
</tr>
<tr>
<td>AE-7287</td>
<td>25 gauge</td>
</tr>
</tbody>
</table>

Overall length: 34 mm  
Irrigation ports: 3, one port on each side of the cannula and one port facing down  
Solid spatulated tip to facilitate insertion under the primary flap without disruption of the epithelium. Convex shape to conform with the curvature of the cornea and can be used to elevate and replace the flap
Slade LASIK Irrigation Cannula

**AE-7282** 26 gauge

**AE-7283** 27 gauge

Overall length: 33 mm

Irrigation ports: 1 front opening Spatulated tip for easy entry beneath the flap. Cross section permits sideways entry into the flap without dragging the epithelium into the interface.

Buratto LASIK Irrigation Cannula - **AE-7284**

25 gauge

Irrigation ports: 3

Overall length: 38 mm

Easy entry under the flap, cross section permits sideways entry into the flap without dragging the epithelium into the interface.

Kritzinger-Updegraff (KU) LASIK Irrigation Cannula - **AE-7285**

16 gauge

Overall length: 46 mm

Irrigation ports: 6

With low-flow BSS fluid to clean the interface, designed to connect to a BSS bottle to give a controlled continuous slow low flow of BSS underneath the flap.

Kritzinger Updegraff (KU) LASIK Aspiration Cannula - **AE-7286**

19 gauge

Overall length: 50 mm

Aspiration ports: 5

Aspirates excessive fluids. Numerous ports prevent the needle from being occluded by conjuctiva and insures continuous aspiration of BSS fluid.

Guell LASIK Irrigation Cannula - **AE-7288**

25 gauge

Overall length: 42 mm

Irrigation ports: 7

Designed for cleaning the interface while occupying a minimum amount of space under the flap.

Alio LASIK Irrigation Cannula - **AE-7289**

23 gauge

Overall length: 24 mm

Irrigation ports: 3

Angle to tip: 12.0 mm

Angle: 45°

Doane-Slade LASIK Irrigation Cannula

**AE-7290L** 26 gauge, left eye

**AE-7290R** 26 gauge, right eye

Overall length: 29 mm  Irrigation ports: 1

For superior flap LASIK

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CANNULAS

**Gills** Irrigating-Aspirating Cannula - **AE-7300**
Overall length: 15 mm
Angle to tip: 8.0 mm
23 gauge thin wall irrigation,
25 gauge aspiration, both ports
exit forward, supplied with silicone tubing

**Gills-Welsh** Irrigating-Aspirating Cannula
**AE-7304** Straight
**AE-7305** Right
**AE-7306** Left
Overall length: 25 mm
With flat olive tip, 23 gauge thin wall irrigation, 25 gauge 0.30 mm port) thin wall aspiration, supplied with silicone tubing

**Grandon** Irrigating-Aspirating Cannula
**AE-7310** Right
**AE-7311** Left
Overall length: 27 mm
23 gauge irrigating port to the side, aspirating cannula curved to side with port facing up, both ports 0.30 mm, designed for aspirating under the iris, supplied with silicone tubing

**Morrison** Irrigating-Aspirating Cannula - **AE-7320**
Overall length: 22 mm
25 gauge thin wall irrigating with 0.30 mm side opening, 23 gauge aspirating cannula with 0.50 mm front opening, supplied with silicone tubing

**Simcoe** Irrigating-Aspirating Cannula
**AE-7330**
**AE-7330S** With sandblasted tip for polishing capsule
Overall length: 15 mm
23 gauge irrigation with angled front opening, 25 gauge aspirating cannula with 0.30 mm port, irrigation on the needle hub, aspiration on the tubing hub, supplied with silicone tubing
**AE-7332** Silicone tubing (12 inches) For irrigation/aspiration cannulas
Simcoe (Reverse) Irrigating-Aspirating Cannula
AE-7330R
AE-7330RS With sandblasted tip for polishing posterior capsule
Overall length: 75 mm
23 gauge irrigation with angled front opening,
23 gauge aspirating cannula with 0.30 mm port,
irrigation on the tubing hub and aspiration on the
needle hub, supplied with silicone tubing

Swiss Irrigating-Aspirating Cannula - AE-7331
Overall length: 15 mm
23 gauge thin wall irrigation with angled front opening, 23 gauge aspirating cannula with 0.30 mm port
on left side of aspirating tube, irrigation on the needle hub, aspiration on the tubing hub, supplied with silicone tubing

Pannu Viscoelastic Aspirating Cannula - AE-7340
Overall length: 35 mm
22 gauge irrigation with 0.50 mm side port and 23 gauge aspiration with 0.50 mm top port. Smooth, blunt, closed tip, Designed to be used in between sutures for removal of viscoelastic materials

Mcintyre Inner Cannula
AE-7370 0.20 mm side port
Overall length: 46 mm
AE-7371 0.30 mm side port
Overall length: 56 mm
23 gauge

Mcintyre Truncated Outer Cannula - AE-7375
Overall length: 17.0 mm
19 gauge, side ports
**CANNULAS**

**Irrigating-Aspirating Handpiece**

*AE-7380 Original*
Overall length: 115 mm

*AE-7381 With finger cut-off hole*
Overall length: 120 mm
To be used with irrigation or aspiration cannula

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**Mcintyre Infusion Handle - AE-7385**
Overall length: 77 mm
Autoclaveable plastic

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**ASICO Male/Female Handpiece - AE-7386**
Overall length: 75 mm
Autoclaveable plastic

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**ASICO Double Male Adaptor**

*AE-7389 Teflon®*
Overall length: 50 mm

*AE-7390 StainlessSteel*
Overall length: 75 mm

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**Anis Cortex Aspirating Cannula**

*AE-7401 23 gauge,straight*

*AE-7402 23 gauge, angled*

*AE-7403 23 gauge, angled (without sandblasted tip)*
Overall length: 24 mm
With 0.40 mm side port, finely sandblasted tip

---

**Gills Cortex Extractor**

*AE-7405 Angle to tip: 5.0 mm*

*AE-7407 Angle to tip: 7.0 mm*

*AE-7408 Angle to tip: 8.0 mm*

*AE-7410 Angle to tip: 10.0 mm*
25 gauge, front opening

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### Simcoe Cortex Extractor
- **AE-7430** 23 gauge, 13 mm
- **AE-7431** 23 gauge, 21 mm
  0.30 mm port size, for sideport cortex removal

### Welsh Flat Olive Tip Cannula
- **AE-7440** 25 gauge, straight
  Overall length: 25 mm
- **AE-7441** 25 gauge, left
  Overall length: 23 mm
- **AE-7442** 25 gauge, right
  Overall length: 23 mm
  Port size: 0.25 mm

### Reshmi-Gills Flat Olive Tip Cannula
- **AE-7445** 23 gauge, straight
  Overall length: 25 mm
- **AE-7446** 23 gauge, left
  Overall length: 23 mm
- **AE-7447** 23 gauge, right
  Overall length: 23 mm
  Port size: 0.30 mm
  For irrigation or aspiration

### Reshmi 12 O’Clock Cortex Removal Cannula
- **AE-7448** 23 gauge, right
  Overall length: 20 mm
- **AE-7449** 23 gauge, left
  Overall length: 20 mm
  Port size: 0.30 mm Tip width: 3.5 mm

### Drews Posterior Capsule Polisher - AE-7500
- 25 gauge
  Overall length: 22 mm
  Tip diameter: 2.8 mm
  Irrigating port facing in, sandblasted posterior surface, smooth anterior surface. Allows for excellent visibility during polishing
**Dietz** ICL Slider/Irrigating Cannula – AE-7501

25 Gauge  
Overall Length: 33 mm  
Tip Width: 0.75 mm  
Used for sliding the haptic under the iris and for irrigating the wound.

**Kraff- Lovisol** ICL® Viscoelastic Manipulator - AE-7502

25 gauge  
Overall length: 20 mm  
Angle to tip: 14.0 mm  
Angle: 60°

**Yamagishi** Viscocanalostomy Cannula

AE-7504 27 gauge  
AE-7505 30 gauge  
Overall length: 22 mm  
For glaucoma procedure to control intraocular pressure

**Akahoshi** Visco Dissection Cannula – AE-7506

27 Gauge  
Sandblasted tip. Used to inject visco between prechopped nucleus fragments to achieve complete separation from the posterior capsule.

**Graether** Iris Retractor and Polisher

AE-7510 23 gauge, straight  
AE-7511 23 gauge, curved  
Overall length: 25 mm  
Capsule polisher side irrigation ports, sandblasted
**Jensen** Posterior Capsule Polisher

AE-7523  23 gauge
AE-7525  25 gauge
Overall length: 27 mm
Sandblasted tip, front opening, gently curved

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**Kratz** Capsule Polisher - AE-7530S

23 gauge
Overall length: 21 mm
Port size: 0.30 mm
1.0 mm sandblasted tip, angled 30°

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**Kraff** Posterior Capsule Polishing Curette - AE-7532

25 gauge
Overall length: 21 mm
1.75 mm diameter cup, with semi sharp edge for effective polishing of posterior capsule, irrigating port in the center

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**Modi** Capsule Polisher – AE-7534

27 Gauge
Overall Length: 43 mm
Tip Diameter: 1.20 mm
Modi Capsule Polisher diameter of 1.2 mm. The rounded shape allows passage without snagging either with a hinged or a single plane incision. The polishing surface is smooth to avoid tearing the posterior capsule. The 27 gauge cannula is sturdy and easy to flush/clean. Fits through a 2.2 mm incision.

---

**Simcoe** Posterior Capsule Polisher - AE-7535

23 gauge
Overall length: 13 mm
Port size: 0.30 mm
With reverse aperture
CANNULAS

Anis Scrubber

AE-7540 Roughened ball shaped tip for capsular fornix

AE-7541 Roughened disc shaped tip for capsule
Gently curved, flexible shank

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Drews-Knolle Irrigating Vectis - AE-7600

23 gauge
Overall length: 38 mm
Thin wall, one outer port and two inner ports

---

Anis Irrigating Vectis - AE-7610

23 gauge
Overall length: 41 mm
Heart shaped loop with two front openings to retract iris and capsular flap when irrigating

---

Hoffman Irrigating Vectis - AE-7615

Overall length: 45 mm
16 gauge with 25 gauge thin wall, serrated loop

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Knolle-Pearce Irrigating Vectis - AE-7620

23 gauge
Overall length: 35 mm
Thin-wall, three outer ports at 10, 12, and 2 o’clock

---

Buratto Hydrodissection Cannula - AE-7621

25 gauge
Overall length: 24 mm
Bent tip to go under the rhexis to reach the nucleus equator, to allow fluid injection in the right position for the best separation of nucleus from capsule. Bent end helps rotate the nucleus after hydrodissection to check nuclear mobility inside the bag

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**Nagahara Hydrodissection Cannula II – AE-7622A**

- **27 Gauge**
- **Overall Length:** 41 mm
- **Tip Length:** 23 mm
- **Tip Angle:** 35°

Cannula features a flat and angled tip for easy access under the anterior capsule flap. Flat tip facilitates the dispersion of BSS allowing for effective hydrodissection, angled tip allows for effective hydrodissection of the superior pole.

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**Lewicky Hydrodissection Cannula**

**AE-7624** 27 gauge, right

**AE-7625** 27 gauge, left

- **Overall length:** 18.5 mm
- **Tip width:** 2.5 mm

Designed for hydrodissection and 12o’clock cortex removal.

The posterior angle of the tip along with extra length assures flush and cleavage of the cortex from the capsule where it is needed most.

---

**Nucleus Hydrodissection Cannula**

**AE-7626** 27 gauge, angled

**AE-7629** 25 gauge, angled

- **Overall length:** 22 mm
- **Angle to tip:** 8.0 mm
- **Angle:** 35°
- **Flat tip for effective hydrodissection**

---

**Kellan Hydrodissection Cannula - AE-7627**

- **25 gauge, curved**
- **Overall length:** 20 mm
- **Vertical flattened tip**

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**J-Shaped Hydrodissection Cannula - AE-7628**

- **25 gauge**
- **Overall length:** 18 mm
- **Tip width:** 2.5 mm
- **Flat tip for superior pole dissection**

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**Kellan Hydrodelineation Cannula - AE-7630**

- **25 gauge**
- **Overall length:** 20 mm
- **Curved bevel tip, sharp on top, smooth on bottom. For effective hydrodelineation and protection of the posterior capsule**
Oki-Yoshitomi Hydrodissection Cannula

**AE-7631** 27 Gauge, Straight

**AE-7632** 31 gauge - 15 degree

**AE-7633** 31 gauge - 30 degree

**AE-7634** 27 Gauge, 45° Tip Angle

**AE-7646** 15 degree, 23 gauge

**AE-7647** 30 degree, 23 gauge.

**AE-7648** 45 degree, 23 gauge

The unique shaped tip of the cannula makes a precise and exact penetration between the capsule and epinucleus. It can make a complete hydrodissection easily.

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Akahoshi Hydrodissection Cannula - **AE-7635**

27 Gauge

Overall Length: 39 mm

Tip Length: 21 mm

Facilitates hydrodissection. Unique tip design can be easily inserted beneath the capsulorrhexis edge.

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Akahoshi Hydrodissection Cannula II – **AE-7636**

27 Gauge

Overall Length: 39 mm

Tip Length: 21 mm

Facilitates hydrodissection. Beveled tip can be easily inserted beneath the capsulorrhexis edge. Tapered design increases the intraocular pressure for sealing the wound easily.

Disposable Version (10 per box) - **AS-7636**

---

Inamura Hydrodissection Cannula – **AE-7637**

23 gauge,

45 degree 1mm tip,

Length of hub to tip: 39mm.

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Chang Hydrodissection Cannula – **AE-7638**

27 Gauge

Tip Length: 18 mm

The right angle facilitates placement beneath the sub-incisional capsulorrhexis edge to preferentially loosen the subincisional cortex. The tip is short enough to flip around to hydrodissect in new areas and is flattened to produce a fan-like jet. Tip has a dull point to engage and spin the peripheral nuclear surface with a circular raking motion to confirm adequate nuclear mobility.
Inamura Hydrodissection Cannula – AE-7639
25 Gauge
Overall Length: 39 mm
Slight bend at tip to reach around for efficient hydrodissection.
Tip is flat compared to round tip of Inamura II cannulas.

Inamura II Hydrodissection Cannula
AE-7642 22 Gauge, 45° Angle of Flow
AE-7652 22 Gauge, 30° Angle of Flow
AE-7653 25 Gauge, 30° Angle of Flow
Overall Length: 40 mm
Tip Length: 1.0 mm
Dual ports provide angled flow for efficient hydrodissection on either side of the capsule. Sandblasted tip increases control in the presence of visco especially in cases where the nucleus is rotated inside the capsular bag.

Miyoshi Ultimate 120° Hydrodissection Cannula
AE-7643 23 Gauge
AE-7649 25 Gauge
Overall Length: 40 mm
Angle of Flow: 120°
Dual ports provide angled flow for complete hydrodissection in both the anterior and posterior capsule simultaneously. Sandblasted tip increases control in the presence of visco especially in cases where the nuclei is rotated inside the capsular bag.

Simcoe Nucleus Delivery Cannula
AE-7650 Right
AE-7651 Left
Overall length: 13 mm
25 gauge thin-wall, 2 irrigating ports, serrations on lens loop for effective removal of the nucleus

Slade Femtosecond Cannula – AE-7654
23 Gauge
Overall Length: 24 mm
Helps to release the gas bubble trapped beneath the nucleus during emulsification. Creates a more efficient Hydrodissection for the Femtosecond laser procedure.
**Thurmond** Nucleus Irrigating Cannula & Iris Retractor

**AE-7658** 18 gauge

**AE-7659** 19 gauge

Overall length: 24 mm

Front opening, smooth downward curved lip

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**“Tire Tool” Cannula - AE-7660**

25 gauge

Overall length: 19 mm

Two 0.20 mm irrigating ports inside the curve, for nucleus delivery

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**Kuglen Irrigating Lens Manipulator - AE-7710**

25 gauge, straight

Overall length: 24 mm

With 0.20 mm diameter peg

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**Anis-Kuglen Irrigating Lens Manipulator - AE-7720**

25 gauge

Overall length: 23 mm

0.20 mm diameter peg

---

**Osher Irrigating Lens Manipulator - AE-7725**

25 gauge

Overall length: 21 mm

25 gauge with side port and pigtail tip

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**Youens Irrigating Lens Manipulator - AE-7735**

30 gauge

Overall length: 15 mm

Angled, front opening, 0.30 mm diameter

---

**Akahoshi Multi-Use Manipulator Cannula – AE-7736**

Overall Length: 35 mm

Can be used through the side port as a nucleus sustainer to prechop the nucleus in the counter prechop technique or through the bent cannula, OVD can be injected into the space between the posterior capsule and the nucleus to perform a new surgical procedure called “visco-dissection.”
Mcintyre Irrigating Iris Hook
AE-7750 23 gauge, straight
AE-7751 23 gauge, angled
Overall length: 18 mm
Smooth blunt tip

Heslin Infusion Cannula
AE-7800 25 gauge
AE-7801 23 gauge
Tip length: 9 mm
Anterior chamber maintainer

Kobayashi DSAEK Chamber Maintainer – AE-7802
25 Gauge
Designed for DSAEK and can also be used for various procedures to maintain the AC.

Tan DALK Cannula – AE-7803
27 Gauge
Overall Length: 50 mm
Used to create an ideal big bubble when attached to a 5 mm air-filled syringe.

Kobayashi DSAEK Donor Adjustor, Curved – AE-7806
30 Gauge
Overall Length: 31 mm
Curved shaft for easier access to roof while centering the donor button.
Sarnicola DALK Cannula – AE-7821
27 Gauge
Overall Length: 34 mm
Tip Length: 9 mm
Designed so the air insufflates from top to bottom in a very deep plane and increases the percentage of Big Bubble formation.

John ALK Cannula
AE-7822 1-Port
AE-7824 3-Ports
27 Gauge
Overall Length: 34 mm
Tip Length: 9 mm
Helps to create a big bubble within the recipient cornea and for air dissection of the corneal stroma. The 1-port cannula will help in the formation of a raised, focal big-bubble, while the 3-port cannula will facilitate a more diffused big-bubble DM separation.

John ALK Probe – AE-7823
30 Gauge
Overall Length: 34 mm
Tip Length: 9 mm
Helps to create an intra-corneal tunnel within the recipient corneal stroma.

Packa Back Flush Needle
AE-7900 19 gauge, blunt (not shown)
AE-7901 20 gauge, blunt
AE-7902 20 gauge, side opening 0.5 mm
AE-7903 20 gauge tapered to 25 gauge
AE-7905 20 gauge with 25 gauge tip, subretinal fluid drainage needle
Overall length: 30 mm
Designed to be used with back flush handle (AE-7930 and AE-7931)
Packo Back Flush Handle
AE-7930 Manual with control hole
AE-7930S Silicone tubing
5/package
AE-7931 For use with Vitrectomy Console
AE-7931S Silicone tubing
5/package

Scleral Plugs
AE-7950 18 gauge, black
AE-7951 19 gauge, red
AE-7952 20 gauge, gold
4/package
AE-7953 Set of 12 plugs, 4 each of 18, 19, and 20 gauge

Infusion Cannula
AE-7960 2.5 mm
AE-7961 4.0 mm
AE-7962 6.0 mm
Infuses through the pars plana for retinal surgery

Weiss-Benslimane Lipostructure Triple Port Micro Cannulas
AE-7970 20G Single Port Micro Transfer Cannula
AE-7976 18G 60 mm
AE-7977 18G 80 mm
AE-7978 18G 100 mm
AE-7979 18G 140 mm
Blunt tip for safe entry. Oval ports facilitate efficient aspiration. Three ports specially positioned to prevent blockage during harvesting. Luer lock end affixes securely to the syringe.
# AE7 - 0000 SERIES

## Description

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<td>I/A Tips</td>
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<td>Mini &amp; Ball I/A tips</td>
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ASICO SINGLE USE CANNULAS (Disposable) CE 0086

All ASICO disposable cannulas are gamma sterilized and double sterile packed to minimize set up time and ensure sterility. All cannulas are sold in a box of 10.

ASICO SINGLE USE BLADES (Disposable) CE 0044

All single use blades are gamma sterilized and double sterile packed to minimize set up time and ensure sterility. All blades are sold in a box of six (except AS-8203H and AS-8205H which are sold in a box of 10). Handles of disposable blades are 102mm in length.

### AE7 - 0000 SERIES Gauge Table

<table>
<thead>
<tr>
<th>Gauge</th>
<th>ID* (inch)</th>
<th>ID* (mm)</th>
<th>OD** (inch)</th>
<th>OD** (mm)</th>
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<td>.18</td>
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<tr>
<td>30g</td>
<td>.006</td>
<td>.15</td>
<td>.012</td>
<td>.30</td>
</tr>
</tbody>
</table>
ASICO Cleaning I/A Hand Piece – AE7-0029
Overall Length: 124mm
For TASS management; completely disassembles for a thorough cleaning. Its complete cleaning capability helps to avoid possible contamination. Compatible to all popular phaco consoles. Fits multiple sleeves. All titanium. Universal threading allows one to use this handle with various threaded I/A tips.

For all bimanual hand pieces, tips are laser-welded for durability during sterilization.

ASICO I/A Handpiece - AE7-0030
Overall length: 110mm

Straight Tip AE7-0031
Port size: 0.30mm

Curved Tip AE7-0032
Port size: 0.30mm

Angled Tip 45° AE7-0033
Port size: 0.30mm

Angled Tip 90° AE7-0034
Port size: 0.30mm

Luer Adaptor Tip AE7-0038
To be used with cannula
Inter-Tip Flush Kit AE7-0068
5/package

Replacement “O” Rings AE7-0061
(Not Shown)

Buratto
Bi-Manual Irrigation Handpiece

AE7-0105 21 gauge, straight
Port size: 0.5mm

AE7-0106 21 gauge, curved
Port size: 0.5mm

AE7-0108 23 gauge, curved
Port size 0.4mm
Overall length: 110mm
Dual port: blue color for easy identification. Maintains chamber better than conventional IIA handpiece.
Ideal for scleral and clear corneal incision.
Autoclavable handpiece fitson to male port of tubing

Bimanual Irrigating Hand Piece – AE7-0110

22 Gauge
Overall Length: 132mm
Front opening provides maximum flow for better AC maintenance.
**Buratto Bi-Manual Aspiration Handpiece**

- **AE7-0115** 21 gauge, straight
- **AE7-0116** 21 gauge, curved
- **AE7-0117** 23 gauge, straight
- **AE7-0118** 23 gauge, curved with capsule polisher

  Overall length: 110mm  
  Port size: 0.3mm  
  Amber colored for easy identification. Maintains chamber better than conventional handpiece. Ideal for scleral and clear corneal incision. Autoclavable handpiece fits on to female port of tubing.

---

**Neuhann Bi-manual Aspiration Handpiece - AE7-0119**

23 gauge, curved  
Overall length: 770mm  
Port size: 0.3mm  
Amber colored for easy identification. Maintains chamber better than conventional handpiece. Ideal for scleral and clear corneal incision. Autoclavable handpiece fits on to female port of tubing. Lightly sandblasted tip.

---

**Bimanual Aspirating Hand Piece – AE7-0120**

22 Gauge  
Overall Length: 132mm  
Curved tip with a sandblasted capsule polisher.

---

**Bimanual Micro Irrigating Hand Piece**

- **AE7-0207** Straight tip
- **AE7-0208** Curved tip

23 Gauge  
Bimanual micro irrigating handpiece with 0.4mm dual oval ports.

---

**Bimanual Micro Aspirating Hand Piece**

- **AE7-0217** Without capsule polisher
- **AE7-0218** With capsule polisher

23 Gauge  
Bimanual micro aspirating handpiece with 0.3mm dual round ports. Curved Tip.

---

**Titanium ergonomic handles for optimum comfort and strength.**

**Maximum irrigation flow for better anterior chamber maintenance.**
DUO MAX I/A HANDLE AND TIPS

Titanium ergonomic handles for optimum comfort and strength. Maximum irrigation flow for better anterior chamber maintenance.

**Duo Max** Irrigating Handle – AE7-3000
Overall Length: 112mm
Diameter of Handle: 8mm
Blue irrigation handle for interchangeable tips.

**Duo Max** Aspirating Handle – AE7-3010
Overall Length: 112mm
Diameter of Handle: 8mm
Yellow aspiration handle for interchangeable tips.

**Irrigating tips for Duo Max irrigating handle**

**Duo Max** Nagahara Irrigating Chopper Tip – AE7-3020F
20 Gauge
Overall Length: 29mm
60° Chopper
Duo Max Nagahara chopper tip, 60° cutting edge, with front opening port for irrigation. Green coated tip.

**Duo Max** Tsuneoka Irrigating Chopper Tip – AE7-3028F
20 Gauge
Overall Length: 29mm
Duo Max Tsuneoka chopper tip with front opening port for irrigation. Magenta coated tip.
Also available side opening **AE7-3028**

**Duo Max** Tsuneoka Irrigating Chopper Tip, with bottom hole – AE7-3028FB
20 Gauge
Overall Length: 29mm
Duo Max Tsuneoka chopper tip with front and back opening port for irrigation. Top view same as that of AE7-3028F. Magenta coated tip.

**Duo Max** Irrigating Tip – AE7-3030
20 Gauge
Overall Length: 28mm
Large dual oval ports at the distal end for maximum irrigation, side port configuration avoids pushing away the nucleus being chopped. Blue coated tip.

**Aspirating tips for Duo Max aspirating handle**

**Duo Max** Aspirating Tip – AE7-3032
20 Gauge
Overall Length: 28mm
Aspirating 0.3mm port located at the distal end for effective aspiration of the nucleus. Gold coated tip.

**Duo Max** Aspirating Tip w/Capsule Polisher – AE7-3034
20 Gauge
Overall Length: 28mm
Aspirating 0.3mm port of located at the distal end for effective aspiration of the nucleus. Features a capsule polisher. Gold coated tip.
Akahoshi Mini Sandblasted I/A Tip
I/A tip specially designed to allow for increased maneuverability within a small incision. Oval port of 0.3mm x 0.2mm allows for improved flow and better occlusion of the cortical material in order to remove it more efficiently at higher vacuum pressures. Sandblasted for capsule polishing. Available in 22 or 20 gauge for straight and bent models, 22 gauge for s-curve model.

Akahoshi Ball I/A Tip
22 Gauge. Features a 1.1mm ball tip that has been mirror polished for effective cortex management that is atraumatic to the capsular bag. Port is at a 45° angle so that tip approaches the posterior capsule at 90°. Available with or without sandblasting.

'S' at end of item number indicates sandblasting

Approaches posterior capsule at 90° for better occlusion

Design prevents stretching of the incision

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<table>
<thead>
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<th>Description</th>
<th>Page</th>
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</thead>
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<td>166</td>
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<td>Corneoscleral Punch</td>
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<td>Endocapsular Punch</td>
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<td>Side Port Diamond knives</td>
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</tr>
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<td>Royale Injectors</td>
<td>181</td>
</tr>
</tbody>
</table>
CHUCK HANDLE/ DIAMOND KNIVES

Chuck Handle
AE-8000 Hexagon, 10.0cm
AE-8001 Round, 10.0cm
AE-8002 Round, 7.5cm
AE-8003 Round, 5.0cm

Kellan Blade Collet - AE-8005
To be used with Kellan blades or any thin profile blade

Elliot Scleral Trephine
AE-8250 Handle
AE-8251 1.0mm diameter
AE-8252 1.5mm diameter
AE-8253 2.0mm diameter with handle and 1.0mm, 1.5mm, and 2.0mm trephines

Kelly Descemet's Membrane Punch - AE-8302
Overall length: 132mm
Tip diameter: 1.0mm

Kitahara Rotatable Glaucoma Punch – AE-8304
Tip Dimensions: 1.0mm x 1.0mm
360° rotatable tip can be moved to any position.
Square shaped tip.
**Memmen Corneoscleral Punch - AE-8305**
Overall length: 85mm
Tip diameter: 2.0mm
Rotatable for easy positioning

**Akahoshi Phaco Sleeve Punch – AE-8307**
Tip Diameter: 1.4mm
Designed to make a third port in the Phaco sleeve to increase irrigation. Recommended position of the third port is at the bottom of the sleeve. This helps push the posterior capsule away from the tip and keep the anterior chamber deep. The port is created after the Phaco sleeve is placed over the Phaco handpiece.

**Akahoshi Micro Phaco Sleeve Punch - AE-8308**

**Koch Endocapsular Punch**
AE-8309 4.5mm ID
Overall length: 112mm
AE-8310 5.5mm ID
Overall length: 120mm
For cutting anterior capsule
## Corneal Trephine Blades, Handles, and Cross Hair Markers

<table>
<thead>
<tr>
<th>Size (mm)</th>
<th>Blade</th>
<th>Pannu Cross Hair Marker</th>
<th>Handle</th>
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<tbody>
<tr>
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<td>AE-8200</td>
<td></td>
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<tr>
<td>16.0</td>
<td>AE-8219</td>
<td></td>
<td></td>
</tr>
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</table>

ASICO’s “see-through” handles are designed to fit the corresponding blade size precisely. Pannu CrossHair Markers are designed for better centering of the trephine over the patient’s cornea and should be used only with the blades and not with the handle and blade combination. ASICO trephine blades are sold non-sterile for one time use. Trephine handles and cross hair markers are reusable.
VRTIS™ Arumi Retinal Diamond Knife – AE-8090
Overall Length: 186mm
Blade Length: 6mm
Blade Width at Shoulder: 0.35mm
Blade Width at Base: 0.7mm
Diamond knife designed to cut in sutureless, microvascular surgery including embolectomy, radial optic neurotomy, adventitious sheathotomy and proliferative diabetic retinopathy. All-titanium handle.

Akahoshi Sideport II Diamond Knife – AE-8104
Blade Width at Shoulder: 0.6mm
Blade Width at Base: 1.0mm
As the blade has a trapezoid design, the side port size can be controlled according to the depth of the blade insertion. All-titanium handle.

Micro Crescent Diamond Knife – AE-8114
Blade Length: 1.2mm
Designed for all glaucoma procedures, Angled blade is ideal for dissecting the initial and second flap. Blade is 0.20mm thick and 2.0mm long.

Sideport Fixation Knife – AE-8121
Blade Width at Shoulder: 0.8mm
Blade Width at Base: 1.0mm
Small incisions avoid leakage from the paracentesis during Phaco. Flat edge, sharp leading tips and side cutting edges are ideal for making Paracentesis incision – without the use of fixation devices. Designed to make a reproducible incision of 0.8mm in a controlled manner. All-titanium handle.

Koch Double Footplate LRI Diamond Knife - AE-8122
Depth Settings: 500, 550, and 600µ
Overall Length: 136mm
Trifacet blade for controlled entry while providing excellent visibility. Unique double-footplate ensures consistent wound architecture. Side-cutting edges for easy wound extension. All-titanium handle.

ASICO Double Footplate LRI Diamond Knife - AE-8122A
Depth Settings: 450, 500, and 550µ

Akahoshi Sub II Sideport Diamond Knife – AE-8131
Blade Width 0.6mm
Ideal for side port incision for the 2mm Micro-Coaxial Implantation Technique. Featuring a 45° angle designed to make a reproducible incision of 0.6mm in a controlled manner. All-titanium handle.
Zaldivar LRI Diamond Knife – AE-8147S
Blade Depth: 0.6mm
Blade Width: 1mm
Preset length setting at 0.6mm (600 microns). Single footplate for optimal visualization. Trifacet flat tip for better control of the incision. Side cutting edges for clockwise or counter-clockwise direction. All-titanium handle.

ZAP Zaldivar Anterior Procedure II Diamond Knife – AE-8149
Blade Length: 4.5mm
Tip Shoulder Width: .55mm
Tip Base Width: 1mm
10 Facet blade with side cutting edges. Flat Tip for controlled entry. All-titanium handle.

Akahoshi Micro Diamond Knife – AE-8157
Tip Shoulder Width: 2.4mm
Tip Base Width: 2.7mm
Suitable for coaxial phaco with the minimum incision size of 2.4-2.7 mm. Trapezoidal design allows one to increase the incision size. All-titanium handle.

Akahoshi Standard Diamond Knife – AE-8161
Tip Shoulder Width: 2.8mm
Tip Base Width: 3.2mm
Suitable for coaxial phaco with the minimum incision size of 2.8-3.2 mm. Trapezoidal design allows one to increase the incision size. All-titanium handle.

3-Step LRI Diamond Knife
AE-8186 Depth Settings: 450, 500, and 550µ.
AE-8187 Depth Settings: 500, 550, and 600µ.
Overall Length: 136mm
Trifacet blade for controlled entry. Single-footplate for better visualization. Side-cutting edges for easy wound extension. All-titanium handle.
**Akahoshi Ultra Diamond Knife – AE-8190**
Shoulder Width: 2mm  
Tip Width at Base: 2.3mm  
Ideal for 2mm Micro-Coaxial Implantation Techniques using Alcon’s latest MicroSmooth™ Ultra Sleeve Technology. Trapezoidal blade of 2.0mm at the shoulder and 2.3mm at the base. Features side cutting edges and an all-titanium handle.

**Akahoshi Nano Diamond Knife – AE-8192**
Shoulder Width: 1.7mm  
Tip Width at Base: 2mm  
Ideal for sub-2mm Micro-Coaxial cataract procedures using Alcon’s Nano Sleeve technology. Trapezoidal blade of 1.7mm at the shoulder and 2.0mm at the base. Features side-cutting edges and an-all-titanium handle.

**Fukuyama LRI Diamond Knife – AE-8194**
Blade Width: 1.0mm  
The narrow width of the footplate prevents corneal epithelial detachments, permits arcuate incisions, and enables viewing of the operating field easily. The micrometer allows precise settings in increments of 100 microns (0.10mm). The retracting mechanism is useful for blade protection and depth setting memory. All-titanium handle.

**Fukuyama 3-Step LRI Diamond Knife – AE-8194A**
Overall Length: 136mm  
Lancet blade with 3 preset depth settings of 450, 500, and 550 microns. Double-footplate for added stability. All-titanium handle.

**ASICO Dual Micrometer LRI Diamond Knife – AE-8196**
Blade Width: 1.0mm  
Features a 10 facet, 1.0mm blade with side cutting edges for clockwise and counter-wise directions. Specially designed footplate permits optimal visualization. Dual micrometer allows precise settings in increments of 0.01mm. Flat tip for controlled entry during incision. All-titanium handle.
The ASICO Free Hand Knife is designed to be extremely versatile. The ergonomically designed handle has two modes, “O” (Operating Mode) and “R” (Replace Mode). Each diamond is mounted in a shaft made of special alloy material. The surgeon has a choice of replacing the Blade at any time for a different operating technique or if the blade is damaged due to an accident. When the handle is retracted all the way, the diamond blade is totally protected. The handle is all titanium and the knife is available in various configurations as shown below:

**45° Angle**
- 1.0 x 0.2  **AE-8100** Handle and Blade
-  **AE-8101** Blade Only

**Trifacet**
- 1.5 x 0.3  **AE-8111** Handle and Blade

**Double Lancet**
- 1.5 x 0.3  **AE-8108** Blade Only

**Phaco Lancet**
- 3.0 x 0.2  **AE-8115** Handle and Blade
-  **AE-8117** Blade Only
- 3.2 x 0.2  **AE-8116** Handle and Blade

*Phaco Lancet blades cannot be used with other handles*
The ASICO Multi-Angle Diamond Knife is extremely versatile - designed for no-stitch procedure and clear corneal sutureless incision. The patented diamond knife has four convenient angle settings that can be easily adjusted with its key to 30°, 60°, 90° and 180°. A locking mechanism secures each of the four angle position settings. The blade is fully retractable into the handle. The Multi-Angled handle is available for clear corneal incision, scleral incision, tunneling, entering the anterior chamber and extending the wound depending on the blade configuration. The patented handle is available with blade configurations shown below.

**Double Lancet**
1.0mm width x 0.2mm thickness x 3.5mm length
AE-8162 Double Lancet

**Phaco**
3.0mm width x 0.2mm thickness x 4.0mm length
AE-8164 Phaco Lancet
AE-8165 Phaco Lancet with bevel on top

**Trifacet**
1.0mm width x 0.2mm thickness x 3.5mm length
AE-8160 Trifacet
CLEAR CORNEAL DIAMOND KNIVES - LASER PRECISE
ASICO Clear Corneal Diamond Knives feature the Laser Precise line at 1.75mm from the tip. For precise corneal valve incision.

UNICAT CLEAR CORNEAL DIAMOND KNIVES
Handle features preset depth settings for initial groove, entry into anterior chamber, and astigmatic correction. Length settings at 0.25mm, 0.30mm, 0.38mm, 0.50mm, 0.55mm, 0.60mm, and 6.0mm.

FIXED ANGLE CLEAR CORNEAL DIAMOND KNIVES
30° angulated handle offers the convenience of a permanent angle setting for superior or temporal incision. Features a thin mounting.

MULTI-ANGLE CLEAR CORNEAL DIAMOND KNIVES
Multi-angle handle offers the convertability of a straight knife to an angled knife of 30°, 60°, or 90°

<table>
<thead>
<tr>
<th>Width (mm)</th>
<th>UNICAT</th>
<th>MULTI-ANGLE</th>
<th>FIXED ANGLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5</td>
<td>*</td>
<td>*</td>
<td>AE-8134</td>
</tr>
<tr>
<td>2.8</td>
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<td>AE-8172</td>
<td>AE-8135</td>
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</tr>
<tr>
<td>3.2</td>
<td>AE-8125</td>
<td>AE-8171</td>
<td>*</td>
</tr>
<tr>
<td>2.5/2.8</td>
<td>*</td>
<td>*</td>
<td>AE-8137</td>
</tr>
<tr>
<td>2.8/3.1</td>
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<tr>
<td>3.0/3.3</td>
<td>*</td>
<td>*</td>
<td>AE-8139</td>
</tr>
<tr>
<td>3.2/3.5</td>
<td>*</td>
<td>AE-8177</td>
<td>*</td>
</tr>
</tbody>
</table>
Pathfinder blade maximizes the surface area of the wound that is closed by the endothelium’s pumping action in order to create a sealed corneal valve.

Pathfinder blade’s leading edge bevels are specifically designed for a decisive entry through Descemet’s membrane, during the “straight, single plane clear corneal approach”.

Pathfinder’s “Corneal Valve Designator” insures exact wound dimensions.

Pathfinder is ideal for clear cornea or corneoscleral approach.

Pathfinder 250 Diamond Knife - AE-8173
Angled Handle

Pathfinder 320 Diamond Knife - AE-8199
UNICAT Handle
3.2mm blade

Pathfinder 300 Diamond Knife - AE-8198
UNICAT Handle
3.0mm blade

Universal Pathfinder is specially developed to accommodate today’s phaco tips and various types of IOls. Ideal for use with injector.

Universal Pathfinder Diamond Knife
AE-8145 Angled Handle
AE-8146 UNICAT Handle
Trapezoidal shape, 2.5/3.2mm blade
A SECOND GENERATION CLEAR CORNEAL DIAMOND KNIFE
Designed by LEE Nordan, M.D.

Clearpath features a thin leading edge with specially designed bevels for ease of entry with minimum pressure.

Clearpath blade maximizes the surface area of the wound that is closed by the endothelium’s pumping action in order to create a sealed inner corneal valve.

Clearpath’s “Corneal Valve Designator” insures exact wound dimensions.

Clearpath’s design eliminates the need for hydration to achieve a self-sealing incision.

Clearpath is ideal for limbal cornea, corneoscleral, clear cornea, or scleral procedures.

Clearpath Diamond Knife

**AE-8158**
2.5mm blade, angled handle

**AE-8159**
3mm blade, angled handle

**AE-8195**
1.3 mm blade width. Straight Handle

**BENEFITS:**

- “ICV” designator creates an inner corneal valve of consistent length prior to entry into the anterior chamber
- “Dimpling down” is eliminated when entering the anterior chamber, as the shelf on the blade automates this process
- Hydration of the wound is eliminated due to the I facet design of the blade

**Suggestions for Use**

- Fill anterior chamber with viscoelastic prior to making incision
- Enter parallel to iris plan
MULTI-INCISION DIAMOND KNIVES
Designed by Manus Kraff, M.D.

1.0mm blade diamond knives feature the UNICAT handle with 7 preset length settings (0.25mm, 0.30mm, 0.38mm, 0.50mm, 0.55mm, 0.60mm, 6.0mm) for initial groove incision, sideport incision, anterior chamber entry, and astigmatic correction. Single footplate allows for better visualization of incision.

The precise micrometer has seven preset settings. The setting represents the length of the diamond blade from the edge of the footplate to the tip of the diamond.

<table>
<thead>
<tr>
<th>INCISION</th>
<th>BLADE SETTING</th>
<th>FOOTPLATE POSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Groove</td>
<td>0.25, 0.30, 0.38mm</td>
<td>Vertical</td>
</tr>
<tr>
<td>Sideport</td>
<td>6.0mm</td>
<td>Horizontal*</td>
</tr>
<tr>
<td>Entry into Anterior Chamber</td>
<td>6.0mm</td>
<td>Horizontal*</td>
</tr>
<tr>
<td>Astigmatic Correction</td>
<td>0.50, 0.55, 0.60mm</td>
<td>Vertical</td>
</tr>
</tbody>
</table>

* In horizontal position, footplate should be above diamond
DIAMOND KNIVES

The World’s First Dual-Micrometer Knife
for Corneal Refractive Surgery

U.S Patent No. 5,620,453

Features

- The ASICO diamond knife features a dual micrometer scale. The first scale is for 0-0.50mm and the second is for 0.50-1.00mm settings. This extraordinary feature minimizes the possibility of error when setting the blade. The blade can be set to a maximum length of 2.00mm.
- The dual micrometer is calibrated in 50 increments of 0.01mm (10 microns) for precise setting. One full revolution of the dual micrometer thimble will advance the blade 0.50mm (500 microns).
- The ASICO diamond knife has a built-in memory device to retain the length setting even after the blade is retracted, provided the micrometer setting is not changed.
- To extend the blade to its pre-set memory setting, depress the plunger mechanism, without changing the micrometer setting.
- Unique footplate design permits full visualization of the blade when making the incision.
- The retracting mechanism allows the diamond blade to be protected between stages of the refractive procedure.
- All ASICO diamond knives come complete with a sterilization tray, to facilitate proper care and cleaning.

<table>
<thead>
<tr>
<th>CONFIGURATION</th>
<th>THICKNESS</th>
<th>CATALOG NO.</th>
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</thead>
<tbody>
<tr>
<td>FRONT CUTTING BLADE</td>
<td>200 microns</td>
<td>AE-8180</td>
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<tr>
<td></td>
<td>(0.20mm)</td>
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<td>BACK CUTTING BLADE</td>
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<tr>
<td></td>
<td>(0.20mm)</td>
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<tr>
<td>DUAL CONTROL BLADE</td>
<td>200 microns</td>
<td>AE-8189</td>
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<tr>
<td>THORNTON ARCUATE BLADE</td>
<td>200 microns</td>
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<tr>
<td>GRENE DOUBLE EDGE BLADE</td>
<td>100 microns</td>
<td>AE-8193</td>
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<td>(0.10mm)</td>
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Setting the Diamond Knife

- Turn the micrometer so that the zero mark on the thimble lines up with the zero mark on the handle of the knife. The tip of the diamond is now even with the footplate.
- Set the blade to the desired length by turning the micrometer thimble. One full revolution of the dual micrometer thimble will advance the blade 0.50mm. If the desired setting is 0.50mm or less, refer to the first scale of the dual micrometer. If the desired setting is greater than 0.50mm and less than 1.00mm, refer to the second scale of the dual micrometer after the first revolution.
- The engraved numbers on the handle represent a guideline for the advancement of the blade.
- Once the blade is set to the desired length, push the plunger to expose the diamond blade.
- To retract the diamond blade into the handle, simply pull the plunger out to its furthest point.
Zaldivar Anterior Procedure diamond knife is designed for anterior segment procedures including cataract (scleral and clear corneal incisions), trabeculotomy, implantation of implantable contact lens and other procedures.

Blade is of trapezoidal shape, 0.55mm wide at the tip, and 1.0mm wide at the base. Design of the blade eliminates the need for viscoelastic to create high ocular pressure for clear corneal procedures.

ZAP Diamond Knife - AE-8148
Blade length: 5.5mm
Tip width: 0.55mm
Base width: 7.0mm
Trapezoidal shape

Cataract with ZAP:
- Initial Groove
- Paracentesis
- Inner Corneal Valve Incision
- Scleral Tunnel Incision
- Entry into Anterior Chamber
- Extension of Wound for IOL Implantation

Other Procedures:
- Implantation of Implantable Contact Lens
- Trabeculotomy

ZAP is the only knife specifically designed for scleral and clear corneal cataract procedures, implantation of ICL®, and other anterior segment procedures.
TEE DIAMOND KNIVES
Titanium Economical Ergonomic

- TEE diamond knives feature all titanium handles and a special surface coating for durability. 6.0mm long blade allows for recutting and grinding in case repair is needed.
- Blade is fully encapsulated and mounted using a vacuum process for security
- Available with three blade configurations show below

AE-8140
1.0mm length x 0.2mm thickness
45° Angle Blade

AE-8142
1.0mm length x 0.2mm thickness
Double Lancet Blade

AE-8144
1.0mm length x 0.2mm thickness
Trifacet Blade
ASICO Royale III Injector – AE-9036SP

Overall Length: 151mm
Specifically designed plunger style instead of screw mechanism for simple, stable, and speedy single-handed injection. Spring absorbs undue resistance felt during IOL implantation. All titanium. Gold tip for increased visualization during implantation. Designed for Alcon Monarch® D cartridge and can also be used with B and C cartridge.

ASICO Royale II Unihand Spring Injector – AE-9045SP

Overall Length: 151mm
An alternative to the Alcon Monarch® II injector featuring a plunger mechanism. Designed for use with the Alcon Monarch® A, B and C cartridges. Specifically designed plunger style instead of screw mechanism for simple, stable, and speedy single-handed injection. Spring absorbs undue resistance felt during IOL implantation. Features an all titanium body and a gold tip for increased visualization during implantation. The Royale II Spring Injector is also a key instrument during the Micro Coaxial (2.2mm cataract surgery) Counter Traction Implant Technique. Counter force is provided by the Akahoshi Sustainer (AE-2530) at the side port incision while the IOL is implanted quickly through the main incision with the AE-9045SP. Loading forceps AE-4253 are recommended to set the lens into the cartridge prior to implantation.

ASICO Royale III Cleaning Injector – AE-9063CSP

Overall Length: 171mm in completely extended position
For TASS management; completely disassembles for a thorough cleaning. Its complete cleaning capability helps to avoid possible contamination. Designed for the Alcon Monarch® C, and D cartridges. Specifically designed plunger style instead of screw mechanism for simple, stable, and speedy single-handed injection. Spring absorbs undue resistance felt during IOL implantation. Features an all titanium body and a gold tip for increased visualization during implantation.
### AS - 7000 & AS - 8000 Series

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<th>Description</th>
<th>Page</th>
</tr>
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<td>Air Injection Cannula</td>
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<td>Peribulbar Needle</td>
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<td>Cystotome</td>
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<td>Irrigating Cannula</td>
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<td>Disposable Injector System</td>
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<td>Marking Pens</td>
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<td>AS-8000 Single Use Blades</td>
<td>188</td>
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<tr>
<td><strong>Air Injection (Rycroft) Cannula</strong></td>
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<tr>
<td><strong>AS-7000</strong> 30 gauge 3/4” (19.10mm)</td>
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<tr>
<td><strong>AS-7001</strong> 27 gauge 3/4” (19.10mm)</td>
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</tr>
<tr>
<td><strong>AS-7001L</strong> 27 gauge 7/8” (22.20mm)</td>
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<th><strong>Peribulbar Needle</strong></th>
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<tbody>
<tr>
<td><strong>AS-7067</strong> 25 gauge 5/8” (15.90mm)</td>
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<tr>
<td><strong>AS-7068</strong> 25 gauge 7/8” (22.20mm)</td>
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<tr>
<td><strong>AS-7069</strong> 23 gauge 1 1/4” (31.80mm)</td>
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<tr>
<td>Single bevel for periocular injections</td>
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<tr>
<th><strong>Atkinson Retrobulbar Needle</strong></th>
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<tbody>
<tr>
<td><strong>AS-7070</strong> 23 gauge 1 1/2” (38.10mm)</td>
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<tr>
<td><strong>AS-7071</strong> 25 gauge 1 1/2” (38.10mm)</td>
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<tr>
<th><strong>Subtenon Needle - AS-7075</strong></th>
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<tr>
<td>Overall length: 39mm</td>
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<tr>
<td>Flattened tip</td>
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<th><strong>Kelman Cystotome - AS-7100</strong></th>
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<tbody>
<tr>
<td>22 gauge, straight</td>
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</tr>
<tr>
<td>Overall length: 19mm</td>
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<table>
<thead>
<tr>
<th><strong>Irrigating Cystotome</strong></th>
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<tbody>
<tr>
<td><strong>AS-7152</strong> 25 gauge 7/8” (22.20 mm)</td>
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<tr>
<td><strong>AS-7152S</strong> 25 gauge 5/8” (15.90 mm)</td>
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<tr>
<td><strong>AS-7154</strong> 27 gauge 3/4” (19.10 mm)</td>
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<tr>
<td><strong>AS-7154S</strong> 27 gauge 5/8” (15.90 mm)</td>
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<tr>
<td>Straight</td>
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<table>
<thead>
<tr>
<th><strong>Irrigating Cystotome</strong></th>
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<tbody>
<tr>
<td><strong>AS-7153S</strong> 25 gauge 5/8” (15.90 mm)</td>
<td><img src="image" alt="Image" /></td>
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<tr>
<td><strong>AS-7155S</strong> 27 gauge 5/8” (15.90 mm)</td>
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</tbody>
</table>
Bishop-Harmon Irrigating Cannula - AS-7200
19 gauge
Overall length: 32 mm
Angle to tip: 7.0 mm

J-Shaped Cannula
AS-7208 27 gauge
Tip width: 1.5 mm
AS-7209 25 gauge
Tip width: 1.75 mm
Overall length: 18.0 mm
For cortex removal at superior pole

Slade LASIK Irrigating Cannula - AS-7282
26 gauge
Overall length: 38 mm, Irrigation ports: 1,
Tip length: 20 mm, 55 degree angle
Spatulated tip for easy entry beneath the flap.
Cross section permits sideways entry into the flap without dragging the epithelium into the interface

Buratto LASIK Irrigating Cannula - AS-7284
25 gauge
Overall length: 42 mm, Irrigation ports: 3,
Tip length: 24 mm, 45 degree angle.
Easy entry under the flap, cross section permits sideways entry into the flap without dragging the epithelium into the interface

Guell Lasik Cannula - AS-7288
25 gauge,
Overall length: 42 mm, Irrigation ports: 7
Designed for cleaning the interface while occupying a minimum amount of space under the flap

Simcoe Irrigating-Aspirating Cannula - AS-7330
Overall length: 15 mm
23 gauge irrigation with angle front opening, 23 gauge aspiration with 0.3 mm port, Irrigation on the needle hub, aspiration on the tubing hub, supplied with tubing

Simcoe Reverse Irrigating-Aspirating Cannula - AS-7330R
Overall length: 15 mm
Same as AS-7330 but tubes reversed, irrigation on the tubing hub and aspiration on the needle hub, supplied with tubing
**Simcoe** Cortex Extractor
AS-7430 23 gauge, 13.0 mm
AS-7431 23 gauge, 21.0 mm
Curved, 0.3 mm port
Ideal for removing 12o’clock cortex from side port

**Terry** Capsule Polisher - AS-7539
27 gauge
Angle to tip: 7.0 mm
With silicone sleeve for polishing posterior capsule

**Nucleus** Hydrodissection Cannula
AS-7626 27 gauge
AS-7629 25 gauge
Overall length: 20.0 mm
Angle to tip: 8.00 mm
Angled, horizontal flow

**Kellan** Hydrodissection Cannula - AS-7627
25 gauge
Overall length: 20.0 mm
Curved Vertical flow

**J-Shaped** Hydrodissection Cannula - AS-7628
25 gauge
Overall length: 18.0 mm
Tip Width: 2.0 mm
For superior pole

**Nucleus** Hydrodissection Cannula - AS-7629
25 gauge, Angled
Overall length: 36 mm,
Angle to tip: 8.00 mm, Angle: 35 degrees
Flat tip for effective hydrodissection

**Kellan** Hydrodelineation Cannula
AS-7630 25 gauge
AS-7631 27 gauge
Overall length: 20 mm
Curved bevel tip, sharp on top, smooth on bottom for ease of insertion into nucleus and protection of posterior capsule

* For use with black flush handle
**Akahoshi Hydrodissection Cannula II - AS-7636**
27 gauge cannula facilitates hydrodissection
Overall length: 36mm
Beveled tip can be easily inserted beneath the Capsulorrhexis edge. Tapered design easily increases the intraocular pressure for sealing the wound

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**Packo Back Flush Needle - AS-7900**
19 gauge
Overall length: 30mm
Blunt

---

**Packo Back Flush Needle - AS-7901**
20 gauge
Overall length: 30mm
Blunt
Disposable Regular Tip Marking Pen – AS-1583N
Comes with ruler.

Disposable Micro Tip Marking Pen - AS-1584N
Ruler printed on marker cap.

Disposable Injector System - AS-9300
Injector system can be purchased as a set. Individual cartridges and individual injectors are also available. Cartridge tips come in sizes 2.4mm and 2.7mm, with or without a 20° beveled tip. There is a unique coating on the injector tips for improved gliding ability when inserting the lens.
Introducing the sharpest blade for Micro Coaxial

Micro Coaxial is a registered trademark of Alcon Labs.

Regular Handle

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Model</th>
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<tr>
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<td>AS-8312</td>
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<tr>
<td>2.2mm</td>
<td>AS-8313</td>
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<tr>
<td>2.4mm</td>
<td>AS-8315</td>
</tr>
<tr>
<td>2.5mm</td>
<td>AS-8316</td>
</tr>
<tr>
<td>2.65mm</td>
<td>AS-8318</td>
</tr>
<tr>
<td>2.8mm</td>
<td>AS-8321</td>
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<tr>
<td>3.0mm</td>
<td>AS-8324</td>
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Safety Handle

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<tr>
<td>2.2mm</td>
<td>AS-8313ASB</td>
</tr>
<tr>
<td>2.5mm</td>
<td>AS-8316ASB</td>
</tr>
<tr>
<td>2.65mm</td>
<td>AS-8318ASB</td>
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<tr>
<td>2.8mm</td>
<td>AS-8321ASB</td>
</tr>
<tr>
<td>3.0mm</td>
<td>AS-8324ASB</td>
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</table>

Angled Clear Corneal Blades

6 Per Box

Kellan Sutureless Incision Blade

AS-8010A 2.5mm Angled blade only
AS-8010AH 2.5mm Angled with handle 6/Box handle for AS-8010 & AS-8010A

3 Blades in One
-0.3mm marking for mandatory scleral depth
-3.0mm line to gauge distance from anterior arcade vessels
-Ideal for extension of the wound for IOL implantation

Kellan Clear Cornea Blade

AS-8011 3.2mm Straight blade only
AS-8011AH 3.2mm Angled blade with handle
AS-8012AH 3.0mm Angled blade with handle 6/Box

-3.0mm long template to mark the cornea for the width of the wound
-0.3mm laser line for the depth of the groove
-7.5mm laser line for ideal corneal valve dimension

Phaco Slit Blade

Angled with handle, bevel up

AS-8102AH 3.20mm
6/Box
Sterilization trays are made of a special thermoplastic which is designed for the autoclaving cycles. The tray can be used for ethylene oxide, steam, chemical, and heat sterilization procedures. The soft silicone mats protect the instruments during sterilization and storage. The cannula bars with luer lock fittings hold the cannulas firmly during the sterilization process. The delicate instrument holder protects fine tipped instruments. The see-through lids aid visualization when closing the lid. This ensures that the lid is not applying any potentially damaging pressure to the tips of the instruments.
| **Diamond Knife Sterilization Tray – AST21** |
| Dimensions: 2.5” x 6.0” x 0.75” (6.35cm x 15.24cm x 1.9cm) |
| Fits one diamond knife. |
| Lid Only – **AST21L** |

| **Small Sterilization Tray – AST21S** |
| Dimensions: 2.5” x 6.0” x 0.75” (6.35cm x 15.24cm x 1.9cm) |
| Fits 3 instruments |
| Micro Tray - Base, Lid, & Mat |
| Mat Only – **AST21SM** |
| Lid Only – **AST21L** |

| **Micro Instrument Sterilization Tray – AST22** |
| Dimensions: 2.5” x 7.5” x 0.75” (6.35cm x 19.05cm x 1.9cm) |
| Fits up to two micro forceps or scissors. |

| **Medium Sterilization Tray – AST28** |
| Dimensions: 6.0” x 10.0” x 0.75” (15.24cm x 25.4cm x 1.9cm) |
| Fits 10-15 instruments. |
| Mat Only – **AST28M** |
| Lid Only – **AST28L** |

| **Medium Double Level Sterilization Tray – AST34** |
| Dimensions: 6.0” x 10.0” x 1.50” (15.24cm x 25.4cm x 3.82cm) |
| Fits 20-30 instruments. |
| Mat Only – **AST28M** |
| Tray Insert – **AST34I** |
STERILIZATION TRAYS

Medium Deep Sterilization Tray – AST35
Dimensions: 6.0” x 10.0” x 1.5” (15.24cm x 25.4cm x 3.82cm)
Fits 10-15 instruments.
Mat Only – AST28M

Large Sterilization Tray – AST54
Dimensions: 10.0” x 15.0” x 1.5” (25.4cm x 38.1cm x 3.82cm)
Fits 25-30 instruments.
Lid Only – AST54L
Mat Only – AST54M

Large Double Level Sterilization Tray – AST57
Dimensions: 10.0” x 15.0” x 1.5” (25.4cm x 38.1cm x 3.82cm)
Fits 50-60 instruments
Large Tray - base, insert tray (double deck), lid and 2 mats
Lid Only – AST57L
Mat Only – AST54M
Insert Tray – AST57IT
Insert Tray Mat – AST57ITM

Large Deep Sterilization Tray – AST58
Dimensions: 10.0” x 15.0” x 1.5” (25.4cm x 38.1cm x 3.82cm)
Fits 25-30 instruments
Large Tray - Base (deep), Lid, & Mat
Lid Only – AST57L
ASICO INSTRUMENT SETS

CATARACT PHACO SET
CATARACT CLEAR CORNEAL SET
MICRO COAXIAL SET
FEMTOSECOND SET
ECCE SET
DALK SETS - TAN, JOHN, SARNICOLA
DSAEK SET
DMEK SET
LRI SET
TORIC SET
GLAUCOMA SET
PRK SET
CORNEAL SET
LID SET
MUSCLE SET
ICMS SET
RETINAL SET
ICL SET
PHAKIC SET
LASIK SET - PRIMARY, RETREATMENT, EMERGENCY
OPTICIAN’S SET
OFFICE/BASIC SET
## Cataract Phaco Set

<table>
<thead>
<tr>
<th>Instrument Type</th>
<th>Item Number</th>
<th>Reference/Options</th>
<th>Image</th>
</tr>
</thead>
</table>
| Disposable Blade                 | ADVANCUT        | S: p.58           | ![Image](https://www.asico.com)
| Speculum                         | AE-1021         | C: p.12, 14-15−S: p.4-7 | ![Image](https://www.asico.com)
| Caliper                          | AE-1500         | C: p.24-25, 27    | ![Image](https://www.asico.com)
| Iris Hook                        | AE-2150         | C: p.34           | ![Image](https://www.asico.com)
| Fixation Device                  | AE-2198         | C: p.34−S: p.10, 18 | ![Image](https://www.asico.com)
| Lens Manipulator                 | AE-2208         | C: p.36-45−S: p.12-13, 15 | ![Image](https://www.asico.com)
| Nucleus Rotator                  | AE-2512         | C: p.41-45−S: p.12-13, 15 | ![Image](https://www.asico.com)
| Phaco Chopper                    | AE-2517         | C: p.43-45−S: p.13-17, 26 | ![Image](https://www.asico.com)
| Chopper + Spatula                | AE-2520         | C: p.43-45−S: p.13-17 | ![Image](https://www.asico.com)
| Keratometer                      | AE-2743         | C: p.51           | ![Image](https://www.asico.com)
| Iris Forceps                     | AE-4011         | C: p.68           | ![Image](https://www.asico.com)
| Tissue Forceps                   | AE-4101         | C: p.71-72        | ![Image](https://www.asico.com)
| Dressing Forceps                 | AE-4102         | C: p.72           | ![Image](https://www.asico.com)
| Lens Folder (Acrylic)            | AE-4262AN       | C: p.80-83        | ![Image](https://www.asico.com)
| Lens Implantation (Silicone)     | AE-4267         | C: p.83-84        | ![Image](https://www.asico.com)
| Suturing Forceps                 | AE-4300         | C: p.86-87        | ![Image](https://www.asico.com)
| Tying Forceps                    | AE-4374         | C: p.87-91−S: p.34-35 | ![Image](https://www.asico.com)
| Capsulorrhesis Forceps           | AE-4344R        | C: p.91-93−S: p.32-35 | ![Image](https://www.asico.com)
| Towel Clamp                      | AE-4800         | C: p.98           | ![Image](https://www.asico.com)
| Serrefine                        | AE-4820         | C: p.99           | ![Image](https://www.asico.com)
| Corneal Section Scissors         | AE-5012         | C: p.102-104      | ![Image](https://www.asico.com)
| Iris Scissors                    | AE-5220         | C: p.106-107      | ![Image](https://www.asico.com)
| Capsulotomy Scissors             | AE-5490         | C: p.107-108      | ![Image](https://www.asico.com)
| Conjunctiva Scissors             | AE-5505         | C: p.109−S: p.40  | ![Image](https://www.asico.com)
| Stitch Scissors                  | AE-5510         | C: p.109, 112     | ![Image](https://www.asico.com)
| Needle Holder                    | AE-6141         | C: p.114-116−S: p.43 | ![Image](https://www.asico.com)
| Cleaning I/A Handle              | AE7-0029        | S: p.52           | ![Image](https://www.asico.com)
| Silicone Bulb                    | AE-7195         | C: p.120          | ![Image](https://www.asico.com)
| Irrigating Cannula               | AE-7200         | C: 119-120        | ![Image](https://www.asico.com)
| Skinny I/A Tip                   | AE7-3052        | S: p.54           | ![Image](https://www.asico.com)
| Ball I/A Tip                     | AE7-3062        | S: p.54           | ![Image](https://www.asico.com)
| Cortex Extractor                 | AE-7431         | C: p.124-125      | ![Image](https://www.asico.com)
| Hydrodissection Cannula          | AE-7621         | C: p.127-128−S: p.41-45 | ![Image](https://www.asico.com)
| Hydrodissection Cannula          | AE-7636         | C: p.127-128−S: p.41-45 | ![Image](https://www.asico.com)
| Dual Port Hydro Cannula          | AE-7642         | S: p.45           | ![Image](https://www.asico.com)
| Injector                         | AE-9063CSP      | S: p.51, 55       | ![Image](https://www.asico.com)

# Cataract Clear Corneal Set

<table>
<thead>
<tr>
<th>Instrument Type</th>
<th>Item Number</th>
<th>Reference/Options</th>
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</thead>
<tbody>
<tr>
<td>1 Disposable Blade</td>
<td>ADVANCUT</td>
<td><strong>S: p.58</strong></td>
</tr>
<tr>
<td>2 Aspirating Speculum</td>
<td>AE-1040AN</td>
<td><strong>C: p.12, 14-17, 19--</strong> <strong>S: p.4-7</strong></td>
</tr>
<tr>
<td>3 Caliper</td>
<td>AE-1500</td>
<td><strong>C: p.24-25, 27</strong></td>
</tr>
<tr>
<td>4 Incision Gauge</td>
<td>AE-1577T</td>
<td><strong>S: p.8</strong></td>
</tr>
<tr>
<td>5 Fixation Ring</td>
<td>AE-2198</td>
<td><strong>C: p.35--</strong> <strong>S: p.10, 18</strong></td>
</tr>
<tr>
<td>6 Lens Manipulator</td>
<td>AE-2208</td>
<td><strong>C: p.36-45--</strong> <strong>S: p.12-13, 15</strong></td>
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<tr>
<td>7 Chopper + Spatula</td>
<td>AE-2520</td>
<td><strong>C: p.43-45--</strong> <strong>S: p.13-17</strong></td>
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<td>8 Nucleus Sustainer</td>
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<td><strong>C: p.43-45--</strong> <strong>S: p.12-13, 15</strong></td>
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<td>9 Nucleus Chopper</td>
<td>AE-2527</td>
<td><strong>C: p.43-45--</strong> <strong>S: p.13-17, 26</strong></td>
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<td>10 Keratometer</td>
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<td>11 Vertical Prechopper</td>
<td>AE-4190</td>
<td><strong>C: p.85--</strong> <strong>S: p.27-28, 30-32</strong></td>
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<td>12 Horizontal Prechopper</td>
<td>AE-4192</td>
<td><strong>C: p.85--</strong> <strong>S: p.27-28, 30-32</strong></td>
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<td>13 Lens Implantation (Silicone)</td>
<td>AE-4267</td>
<td><strong>C: p.83-84</strong></td>
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<td>14 Capsulorrhesis Forceps</td>
<td>AE-4344R</td>
<td><strong>C: p.91-93--</strong> <strong>S: p.32-35</strong></td>
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<td>15 Capsulotomy Scissors</td>
<td>AE-5490</td>
<td><strong>C: p.107-108</strong></td>
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<td>16 Irrigating Handpiece</td>
<td>AE7-0208</td>
<td><strong>S: p.52-53</strong></td>
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<td>17 Aspirating Handpiece</td>
<td>AE7-0218</td>
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<td>AE-7621</td>
<td><strong>C: p.127-128--</strong> <strong>S: p.41-45</strong></td>
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<td>19 Hydrodilneation Cannula</td>
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<td><strong>C: p.128, 137</strong></td>
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<td>20 Dual Port Hydro Cannula</td>
<td>AE-7643</td>
<td><strong>C: p.127-128--</strong> <strong>S: p.45</strong></td>
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<td>21 Paracentesis Diamond Knife</td>
<td>AE-8121</td>
<td><strong>C: p.148-153--</strong> <strong>S: p.48-50</strong></td>
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<td>22 Sideport Diamond Knife</td>
<td>AE-8131</td>
<td><strong>C: p.148-153--</strong> <strong>S: p.48-50</strong></td>
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<tr>
<td>23 Clear Cornea Diamond Knife</td>
<td>AE-8190</td>
<td><strong>C: p.148-153--</strong> <strong>S: p.48-50, 58</strong></td>
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**C = CATALOG(1999)**  
**S = SUPPLEMENT(2012)**
### Micro Coaxial Set

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<td>AE-2573</td>
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<td>Disposable Blade</td>
<td>AS-8312</td>
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<td>Injector</td>
<td>AE-9063CSP</td>
<td>S: p.51,55</td>
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<td>I/A Handle</td>
<td>AE-7-0029</td>
<td>S: p.52-53</td>
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<td>I/A Tip</td>
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<td>Spatula</td>
<td>AE-2326</td>
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<td>Nucleus Divider</td>
<td>AE-4289</td>
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### ECCE Set

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<td>AE-1021</td>
<td>C:p.15-17--S:p.4-7</td>
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<td>3 Caliper</td>
<td>AE-1500</td>
<td>C:24-25, 27-28</td>
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<td>4 Cycloidalysis Spatula</td>
<td>AE-2072</td>
<td>C:p.33</td>
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<td>5 Iris Hook</td>
<td>AE-2150</td>
<td>C:p.34</td>
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<td>6 Lens Manipulator</td>
<td>AE-2208</td>
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<td>7 Lens Loop</td>
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<td>AE-2612</td>
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<td>9 Nucleus Vectis</td>
<td>AE-2620</td>
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<td>AE-4030N</td>
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<td>AE-4101</td>
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<td>AE-4399</td>
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<td>19 Mosquito Forceps</td>
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<td>20 Serrefine</td>
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<td>AE-5012</td>
<td>C:p.102-104</td>
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<td>24 Tenotomy Scissors</td>
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<td>AE-5510</td>
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<td>27 Air Injection Cannula</td>
<td>AE-7000</td>
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<td>28 Silicone Bulb</td>
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<td>AE-7330</td>
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<td>32 Capsule Polisher Cannula</td>
<td>AE-7530S</td>
<td>C:p.126--S:p.44</td>
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<td>33 Irrigating Vectis Cannula</td>
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<td>C:p.127</td>
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<td>34 Hydrodissection Cannula</td>
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<td>Large Lamellar Dissector</td>
<td>AE-2547</td>
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<td>Marginal Dissector</td>
<td>AE-2549</td>
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<td>AE-5666</td>
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<td>AE-5667</td>
<td>S: p.42</td>
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<td>Big Bubble Cannula</td>
<td>AE-7803</td>
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<td>Pre-Descemet’s Spatula</td>
<td>AE-2902</td>
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<td>Narrow Stromal Spatula</td>
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<td>S: p.15, 23-24</td>
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<td>Compression Disc</td>
<td>AE-2905</td>
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<td>AE-5668L</td>
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<td>Single-Port ALK Cannula</td>
<td>AE-7822</td>
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<td>Probe/Tracker</td>
<td>AE-7823</td>
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<td>Triple-Port ALK Cannula</td>
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### Sarnicola Dalk Set

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<td>Big Bubble Spatula</td>
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<td>AE-7821</td>
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S = SUPPLEMENT(2012)
# DSAEK Set

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<td>AE-2182</td>
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<td>Descemet Stripper</td>
<td>AE-2874</td>
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<td>Stromal Scrubber</td>
<td>AE-2878</td>
<td>S: p.23</td>
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<td>Glider</td>
<td>AE-2879</td>
<td>S: p.23</td>
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<td>Donor Insertion Forceps</td>
<td>AE-4226</td>
<td>C: p.77-81--S: p.29</td>
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<td>Chamber Maintainer</td>
<td>AE-7802</td>
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<td>Donor Adjuster</td>
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# DMEK Set

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<td>Rake</td>
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<td>AE-2328</td>
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<td>AE-2329</td>
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<td>AE-7002</td>
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C = CATALOG(1999)
S = SUPPLEMENT(2012)
## Toric Set

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<td>AE-1589</td>
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<td>2 Flat Degree Gauge</td>
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<td>S: p.17, 19-20</td>
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<td>4 Pre-Op Toric Marker</td>
<td>AE-2791TBL</td>
<td>S: p.18-20</td>
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<td>AE-2794N</td>
<td>S: p.19-20</td>
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<td>AS-1583N</td>
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<td>2 Hook/Manipulator</td>
<td>AE-2219</td>
<td>C: p.33-40--S: p.11</td>
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<td>3 Keratometer</td>
<td>AE-2743</td>
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<td>AE-8133</td>
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<td>AS-1583N</td>
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C = CATALOG(1999)  
S = SUPPLEMENT(2012)

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Glaucoma Set

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<td>AE-1500</td>
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<td>USC Marker</td>
<td>AE-1526</td>
<td>C: p.26-27</td>
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<td>Trabeculotomy Probe</td>
<td>AE-1630</td>
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<td>Cyclodialysis Spatula</td>
<td>AE-2072</td>
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<td>Scleral Shaver/Planer</td>
<td>AE-2430</td>
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<td>AE-4100</td>
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<td>AE-4373</td>
<td>C: p.87-91-</td>
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<td>AE-4800</td>
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<td>AE-5220</td>
<td>C: p.106-107, 111</td>
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<td>AE-7000</td>
<td>C: p.118, 121, 134-</td>
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<td>AE-7200</td>
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<td>AE-8114</td>
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<td>Preset Diamond Knife</td>
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PRK Set

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### Corneal Set

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<td>Keratometer</td>
<td>AE-2743</td>
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### Lid Set

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### ICMS Set

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C = CATALOG(1999)  
S = SUPPLEMENT(2012)
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### Implantable Contact Lens Set

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<td>Cornea Gauge</td>
<td>AE-1576</td>
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<td>Spatula/Manipulator</td>
<td>AE-2420</td>
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<td>Gauge</td>
<td>AE-2765N</td>
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<td>AE-4224</td>
<td>C: p.77-81--S: p.29</td>
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<td>AE-4256</td>
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<td>Cartridge Forceps</td>
<td>AE-4446</td>
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# Primary LASIK Set

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<td>AE-1043AN</td>
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<td>Pupil Gauge</td>
<td>AE-1573</td>
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<td>Fixation Device</td>
<td>AE-2198</td>
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<td>Spatula</td>
<td>AE-2825</td>
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<td>C: p.60-61, S: p.11, 20, 25</td>
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# LASIK Emergency Set

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<td>AE-4081</td>
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<td>AE-6173</td>
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<td>AE-7210</td>
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C = CATALOG(1999)          
S = SUPPLEMENT(2012)
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<td>AE-4707</td>
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## Office (Basic) Set

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