To the Ophthalmic Care Community:

Duckworth & Kent presents our comprehensive line of the latest in ophthalmic titanium surgical instrumentation - The tools that work best for you. Schematic line drawings depict fundamental detail and design to enhance and simplify selection.

**Duckworth & Kent Innovates:** Meticulous design, skillfully produced, with emphasis on quality control - To deliver a superior product, the optimum in function and efficiency.

**Quality Standards:** Certified and Registered ISO9001, EN46001, ISO13485 and CE Mark Approved, which demonstrates the highest level of commitment to quality - The standard of excellence.

**1st in Ophthalmology:** The first and original manufacturer and supplier of titanium surgical instruments for ophthalmology.

**Direct:** 100% of our product is direct to you from our manufacturing facility, a valuable association advantage.

Duckworth & Kent looks forward to the future and a cooperative effort in the discovery of titanium instruments to appropriately suit advancement of ophthalmic surgical techniques and technologies.

Sincerely,

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Ophthalmic Titanium Surgical Instrument Manufacturer
www.duckworth-and-kent.com
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D&K® is a register trademark of Duckworth & Kent Ltd. / USA Ltd. All other brand names are trademarks or registered trademarks of their respective owners.

More than Just and Instrument Purchase… DK is service oriented. We follow through with fast courteous service. For over 40 years, DK has built a reputation pledging customer satisfaction.

Why DK Titanium… A versatile material, adaptive to the manufacture of surgical instruments, where accuracy and precision are mandatory. Unlike other metals, subject to corrosion and rust, titanium is corrosion resistant, durable, strong, light weight, nonmagnetic and is anodized to reduce glare under microscope.

Duckworth & Kent's Guarantee: DK instruments are guaranteed for life against defects in materials and workmanship.

Pricing: To obtain price list, contact DK, your local DK Sales Representative or DK Distributor

Instrument Repair: Full instrument repair service, contact DK. Ensure to send your instrument repair to DK via a traceable shipping method.

Return/Exchange Policy: If for any reason you need to return/exchange your order, please contact DK. Restocking charge(s) may apply.

Care and Handling Tips: Refer to Care and Handling Tips Section in this Catalogue, Page 216

Custom Instrument Design and Development: DK produces hundreds of custom instruments a year to accommodate new or modified surgical techniques, contact DK.

Investigational Devices: The DK injector, accessory product(s) for insertion of foldable IOLs may not be available in certain countries where the product has not received marketing/clinical approval. For further information, contact DK. Product specification and design are subject to change without notice.

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**Pallikaris Arcutome**

5-2100

Set consists of Arcutome body, cam system, diamond knife, silicone tubing and luer fitting, packaged in sterilizing tray.

- Outer ring used to set desired length of incision
- Inner ring used to determine diameter of incision zone, ranging from 5.0mm to 10.0mm in 0.5mm increments
- Miniature diamond knife has 11 preset depths in 20 micron increments, ranging from 400 micron (0.4mm) to 600 micron (0.6mm) depths

Used to perform primary or secondary AK (arcuate keratotomy) incisions over a complete range of depths and diameters. Product design improves predictability and consistancy of arcuate incisions performed by the freehand method.
Pearce Single Diamond Caliper

4-652, 4-650*

- Single 0.1mm diamond and tip combination
- 1.6mm tip width caliper in closed position
- Measures 1.6mm to 10.0mm in 0.25mm increments
- Measurement from outside of tips

* (Single 0.1mm diamond and tip combination, locking mechanism style, specify 4-650)

Pearce diamond calipers are designed to enlarge a tunnel incision following phacoemulsification to simplify lens insertion. Set caliper to required incision size, squeeze limbs of caliper together, insert through phaco slit incision, release pressure on caliper to open to preset size, make incision, then withdraw. Produces a precise incision opening.

Pearce Single Diamond Caliper (angled)

4-653

- Single 0.1mm diamond and tip combination
- 1.6mm tip width caliper in closed position
- 30° angled shafts, tip to angle length 4.0mm
- Measures 1.6mm to 10.0mm in 0.25mm increments
- Measurement from outside of tips

* (Single 0.1mm diamond and tip combination, locking mechanism style, specify 4-650)

Pearce Double Diamond Caliper

4-657, 4-655*

- Double-sided 0.1mm diamond tips
- 2.2mm tip width caliper in closed position
- Measures 2.2mm to 10.0mm in 0.25mm increments
- Measurement from outside of tips

* (Double sided 0.1mm diamond tips, locking mechanism style, specify 4-655)
**CALIPERS (Diamond Continued, IOL Insertion)**

**Pearce Double Diamond Caliper (angled)**

- 4-658

- Double-sided 0.1mm diamond tips
- 2.2mm tip width caliper in closed position
- 30° angled shafts, tip to angle length 2.2mm
- Measures 2.2mm to 10.0mm in 0.5mm increments
- Measurement from outside of tips

- Adjustable thumb screw
- Standard caliper handle
- Includes sterilizing tray
(Patent #5484447)

**Barrett Diamond Caliper / Scissors (angled)**

- 4-700

- Double-sided 0.1mm diamond tips
- 2.2mm tip width caliper in closed position
- 30° angled shafts, tip to angle length 4.0mm
- Measures 2.2mm to 10.0mm in 0.25mm increments
- Measurement from outside of tips

- Adjustable thumb screw
- Barrett balanced set handle, length 112.0mm
- Includes sterilizing tray
- Distinctive identification labelling

**IOL Insertion**

**Pearce IOL Insertion Caliper (small incision)**

- 2-650, 2-652*

- 0.9mm cusp style jaws
- Measures 1.0mm to 9.0mm in 0.5mm increments
- Measurement from outside of tips

- Adjustable thumb screw
- Standard caliper handle with locking mechanism
(Patent #5484447)

*(0.9mm cusp style jaws, spring caliper handle style, specify 2-652)
**Internal Incision**

*Pearce Internal Incision Caliper*

- Triangular-shaped tips
- Measures 0.0mm to 15.0mm in 0.25mm increments
- Measurement from outside of tips

Triangular-shaped delicate tips for verifying internal incision size prior to IOL insertion.

**Marking and Measuring**

*DK Castroviejo Style Marking Caliper*

- 0.25mm x 0.25mm delicate marking tips
- Measures 0.0mm to 15.0mm in 0.25 increments
- Measurements from centre of tips

**DK Castroviejo Style Marking Caliper (angled)**

- 0.25mm x 0.25mm delicate marking tips
- 45° angled shafts, tip to angle length 4.0mm
- Measures 0.0mm to 15.0mm in 0.25mm increments

Angled version caliper improves visibility.
DK Marking Caliper

9-652

• 0.15mm x 0.15mm delicate marking tips
• Measures 0.15mm to 7.5mm in 0.1mm increments
• Measurement from centre of tips

DK Marking Caliper

9-653

• 0.25mm x 0.25mm delicate marking tips
• Measures 0.0mm to 15.0mm in 0.25mm increments
• Measurement from centre of tips

Osher Internal Caliper

9-656

• Measures 1.0mm to 10.0mm in 0.25mm increments
• Measurement scale 6.0mm from tips
• Squeeze limbs to measure incision
• Length 60.0mm

Caliper measures internal incision length.

Tassignon Capsulorhexis Caliper

9-675

• Two marks 2.25mm either side of centre mark
• 45° angled shaft, tip to angle length 13.0mm
• Round Handle, length 125.5mm

Marks capsular bag through paracentesis incision to establish shape and size of capsulorhexis.
**Rabkin Eyelid Crease Marking Caliper**

9-680

- 6.0mm and 7.0mm marks, 3.0mm length
- Measurement from centre of tips
- Flat handle, length 132.0mm

*Used to mark lid crease.*

**Rabkin Eyelid Crease Marking Caliper**

9-680-1

- 6.0mm and 8.0mm marks, 3.0mm length
- Measurement from centre of tips
- Flat handle, length 132.0mm

**Rabkin Eyelid Crease Marking Caliper**

9-680-2

- 6.0mm and 9.0mm marks, 3.0mm length
- Measurement from centre of tips
- Flat handle, length 132.0mm
Hays Thornton Caliper

9-691

- Caliper end 3.6mm internal dimension, 3.75mm external dimension
- Measurement from centre of caliper tips
- Flat handle, length 106.0mm

Provides two marking points for verification of incision length.

Rassam Vitreoretinal Scleral Marker

9-693

- 3.5mm fork, measured centre of fork
- 4.0mm fork, measured centre of fork
- Round handle with flats, 144.5mm

Double ended marker for measuring sclerostomy site. Pre-determined 3.5mm for aphakic eyes and 4.0mm for phakic eyes. Used to mark sclera and stabilise globe during surgery. Blunt ends avoid damage to sclera.

DK Titanium Facts ... Benefits of Titanium

A versatile material, adaptive to the manufacture of even the finest, delicate surgical instrument designs, where accuracy and precision are mandatory. Unlike other metals, subject to corrosion and rust, titanium is corrosive resistant, durable, strong, light weight, nonmagnetic, and anodized to reduce glare under the microscope.
**CANNULAS**

*Air Injection*

Hydrodissection

Infusion

I/A (Also refer to section Irrigation and Aspiration Handpieces I/A)

Handle

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**Air Injection**

DK Air Injection Cannula

8-605

- 23 gauge
- 45° angled shaft, tip to angle length 5.0mm

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**Hydrodissection**

Barrett Hydrodissection Cannula

8-600

- 23 gauge
- Curved shaft, bevelled tip

Facilitates hydrodissection and hydrodelineation.

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**Mackool® Hydrodissection Cannula**

8-602

- 23 gauge, 0.9mm x 0.3mm flattened tip
- 30° angled shaft, tip to angle length 8.0mm

Flat tipped cannula assists in producing a broad, flat stream of fluid for dissection. Safer because it does not require high injection pressure to achieve nucleus loosening.

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**Infusion**

Rassam Infusion Cannula

8-615-1

- 20 gauge, thin wall, 0.9mm x 4.2mm
- Straight shaft, 45° bevelled tip
- Silicone tubing and luer fitting supplied

Self-retaining twist style mechanism secures cannula. 20 gauge thin wall fits standard sclerostomy incision. Stabilising plate prevents twisting and damaging of intraocular structures. Bevelled opening is marked by notch on plate for accurate positioning of bevel away from lens.

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I/A (Also refer to section Irrigation and Aspiration Handpieces I/A)

Barrett Miniature I/A Tip

8-620, 8-620*

- 23 gauge, 0.3mm aspiration port
- Curved shaft, rounded tip

*(23 gauge, 0.3mm aspiration port with silicone tubing and luer fitting supplied, specify 8-620-1, reorder for silicone tubing, specify B-0926)

Designed to facilitate removal of cortex at 12 o'clock. Miniature I/A Tip may be used in conjunction with a syringe to dislodge cortex from 12 o'clock with a push, pull manoeuvre. Miniature I/A Tip may also be connected to aspiration line and used with simultaneous irrigation through a side port.

Ogawa I/A Cannula

8-635

- 18 gauge, thin wall, 0.8mm irrigation port, 0.3mm aspiration port
- 30° angled shaft, tip to angle length 6.0mm
- Coaxial irrigation and aspiration

Round shaft seals paracentesis opening, even when cannula is rotated within paracentesis.

Ogawa I/A Cannula

8-635-2

- 18 gauge, thin wall, 0.8mm irrigation port, 0.3mm aspiration port
- 30° angled shaft, tip to angle length 6.0mm
- Coaxial irrigation and aspiration
- Irrigation through main hub and aspiration through side port
- Knurled hub enhances grasp
- Silicone tubing and luer fitting supplied
  (reorder for silicone tubing, specify B-0926)

Ogawa I/A Cannula

8-635-3

- 18 gauge, thin wall, 0.8mm irrigation port, 0.3mm aspiration port
- 30° angled shaft, tip to angle length 6.0mm
- Coaxial irrigation and aspiration
- Irrigation through main hub and aspiration through side port
- Knurled hub enhances grasp
- Textured tip
- Silicone tubing and luer fitting supplied
  (reorder for silicone tubing, specify B-0926)

Textured tip allows for capsule polishing after removal of cortex.
**CANNULAS** (Handle)

*Handle*

*DK Cannula Handle*

8-720

- Specifically made for use with DK cannulas
- Round knurled 8.0mm diameter handle, length 115.0mm

Handle end works with luer connector.

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**CAPSULE POLISHER**

*Mackool Capsule Polisher*

6-510

- 0.3mm diameter olive shaped textured tip
- 45° angled shaft, tip to angle length 11.0mm
- Round handle, length 126.0mm

Textured tip for gentle polishing of posterior capsule.

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**Guaranteed**

DK is committed to a standard of consistency. Our design-development-manufacturing techniques, with rigid quality control, allows us to achieve the most demanding tolerances to a consistent standard from instrument to instrument.
*Eisenberg Delicate Conjunctival Holder*

2-684

**Upper jaw moves into cut out in lower jaw**

ENLARGED VIEW ON ARROW

- 2.5mm x 3.0mm lightly textured tips
- Upper jaw moves into cut-out in lower jaw
- Length 68.0mm

Designed for single-handed grasp of delicate dissected conjunctiva during a trabeculectomy procedure. Working end plates consist of paddle and opposing loop. Paddle fits just inside the loop allowing grasp of tissue without crush or puncture. Grasping surfaces have textured finish to aid in holding. Reverse action allows prolonged holding of tissue without hand fatigue or risk of tissue crush from excessive finger pressure. Small width enables use with "mini-trab" dissections.

*DK Conjunctival Clamp*

2-685

- 6.5mm wide highly polished tips
- Textured inner surface
- Length 73.0mm

Designed to hold and protect 'free' edge of conjunctival flap created in trabeculectomy.

*CURETTE*

*DK Meyerhoefer Chalazion Curette*

6-640

- 2.0mm cup
- Straight shaft
- Flat handle, length 125.0mm
**DEBRIDERS**

*Bloomberg® Epithelial Debrider*

6-638

- 2.0mm half round with coarse textured surface
- Round handle, length 127.0mm

Designed for photorefractive surgery. Removes epithelium more quickly than a stainless steel blade and without causing divots. Also useful for recurrent epithelial erosion and for smoothing epithelium when pterygiums are removed.

*Bloomberg® Epithelial Debrider*

6-638-1

- 2.0mm half round with fine textured surface
- Round handle, length 127.0mm

**DEGREE GAUGES**

*Hoffer AK Gauge / Marker*

9-695

- Measures 0° - 180° in 10° increments x 2
- AK ruler markings 2.0mm, 2.5mm, 3.0mm

Multipurpose instrument serves as a gauge as well as three astigmatic incision length markers: 2.0mm, 2.5mm, 3.0mm. Reduces number of instruments for AK Procedure from four to one.

*DK Mendez Degree Gauge*

9-700

- Measures 0° - 180° in 10° increments x 2
- Flat handle, length 118.0mm
**Mendez Degree Gauge**

9-700R

- Measures 0° - 180° in 10° increments x 2
- Round handle, length 116.5mm

**Friedlander Mendez Rotating Degree Gauge**

9-701

- Measures 0° - 180° in 10° increments x 2
- Flat handle, length 118.0mm

Gauge rotates with index finger.

**Friedlander Mendez Rotating Degree Gauge**

9-701R

- Measures 0° - 180° in 10° increments x 2
- Round handle, length 119.0mm

**Wallace Mendez Degree Gauge**

9-705R

- Measures 0° - 180° in 10° increments x 2
- Round handle, length 105.0mm

10° interval marks. Designed for surgeons familiar with use of a standard phoropter.
Comprehensive range of blade and handle configurations. Special blade configurations available upon request. All components are manufactured of titanium to withstand use, handling and sterilization. Double retraction system designed with all handle styles - safety feature protects blade. Supplied with DK sterilizing tray.

**Blade Configurations**

- 0.5mm 25° single edge
- 0.8mm lance
- 0.95mm 23° side port
- 1.0mm arcuate
- 1.0mm bifacet
- 1.0mm lance
- 1.0mm spear
- 1.0mm trifacet
- 1.0mm tunnel
- 1.0mm 30° single edge
- 1.0mm 30° trifacet
- 1.0mm 45° double edge
- 1.0mm 45° microfacet
- 1.0mm 45° single edge
- 1.0mm 45° single edge vertical cut
- 1.0mm triple edge / rectangular
- 1.4mm lance
- 1.4mm spear
- 2.0mm 45° tapered
- 2.0mm dome
- 2.0mm round
- 2.4mm - 3.1mm tapered
- 2.5mm arrow
- 2.5mm dome
- 2.5mm lance
- 2.5mm spear
- 2.6mm spear
- 2.65mm spear
- 2.65mm single sided spear
- 2.7mm lance
- 2.7mm - 2.9mm tapered
- 2.8mm spear
- 2.8mm crescent
- 2.8mm - 3.2mm tapered
- 3.0mm lance
- 3.0mm round
- 3.0mm spear
- 3.0mm crescent
- 3.0mm - 3.2mm tapered
- 3.2mm lance
- 3.2mm spear
- 3.2mm crescent
- 3.2mm - 3.5mm tapered
- 3.5mm spear
- 3.8mm spear
- 4.0mm spear

**Handle Styles**

- Micrometer handle
  
  Micrometer handle, (1) revolution = 500 microns

- Position handle
  
  (Specify positions, i.e., 0.2, 0.3, 0.5, 5.0mm)

- Retractable long handle

- Retractable short handle

- Retractable long handle with second position shaft extension

- Angled head handle

- Angled retractable handle

- Smaller diameter angled retractable handle
  
  (Specify -1, i.e., 4-415-1)
Micrometer Handle Blade Settings

(5-300-1, 5-310-1, 5-320-1, 5-330-1, 5-340-1, 5-350-1, 5-360-1, 5-362, 5-370-1, 5-400-1)

TO SET BLADE DEPTH
If blade depth of 600 microns is required, main scale on barrel will need to be set at 500 microns and secondary scale on thimble will need to be set at 100 microns. Sum of 2 scales will give total depth.

\[ \text{i.e. Main scale} + \text{Secondary scale} = \text{Total depth} \]
\[ 500 + 100 = 600 \text{ microns} \]

(5-550, 5-555, 5-600, 5-605)

TO SET BLADE DEPTH
If blade depth of 650 microns is required, main scale on barrel will need to be set at 600 microns and secondary scale on thimble will need to be set at 50 microns. Sum of 2 scales will give total depth.

\[ \text{i.e. Main scale} + \text{Secondary scale} = \text{Total depth} \]
\[ 600 + 50 = 650 \text{ microns} \]
**0.5mm 25° Single Edge**

*DK 25° Single Edge Viscocanalostomy*

- Length 123.5mm
- Designed for delicate dissection of tissue in viscocanalostomy procedure.

**0.8mm Lance**

*Wallace 0.8mm Lance*

- Length 137.0mm
- Angled retractable handle
- Retractable long handle
- 0.2mm flat at tip

**0.95mm 23° Side Port**

*Mackool Micro Diamond*

- Length 122.0mm
- Retractable long handle

Significantly reduces paracentesis incision leakage to less than 1cc minute.

**1.0mm Arcuate**

*Thornton Triple Edge Arcuate*

- Length 105.0mm
- 200 micron blade thickness
- Micrometer handle

Three cutting edges to cut deeply and evenly. Easily turned in tissue. Designed to cut in any direction.
DIAMOND KNIVES (1.0mm Arcuate Continued, 1.0mm Bifacet)

**DK Thornton Triple Edge Arcuate**

5-362

- Upper side facet, 200 micron length
- 200 micron flat at tip
- 100 micron blade thickness
- Micrometer handle
- Length 105.0mm

(When ordering gauge, specify 4-910)

**Pallikaris Arcuate (pivotal footplate)**

5-400-1

- 200 micron flat at tip
- 100 micron blade thickness
- Pivotal footplate
- Micrometer handle
- Length 105.0mm

(When ordering gauge, specify 4-920)

(Patent # 2305608, 690839)

Designed for use with mini RK, standard simple or dual track procedures, American or Russian styles. With footplate design and motion, both movements are thoroughly guided from stable placement of footplate on corneal surface. Pivotal footplate assists in ensuring stability of globe and is designed to provide accurate incisions at selected length as well as depth of cut.

**Hays Thornton Pallikaris (pivotal footplate)**

5-455

- 3.2mm blade movement
- 200 micron flat at tip
- 100 micron blade thickness
- Pivotal footplate
- Five position handle (0.3, 0.35, 0.4, 0.45, 0.5mm)
- Length 105.0mm

(Patent pending)

Pivoting footplate ensures accurate, reproducible incision.

**1.0mm Bifacet**

**DK 35° Bifacet**

5-340-1

- 200 micron flat at tip
- 35° cutting edge
- Micrometer handle
- Length 105.0mm

(When ordering gauge, specify 4-910)
Four position handle may be used to perform 0.2mm or 0.3mm depth external incisions for phacoemulsification, whilst full extension position provides a lance style blade for paracentesis incision.

**Bloomberg 1.0mm Spear (vertical cutting edges; upper side faceted)**

- Retractable long handle
- Length 123.5mm

**1.0mm Spear**

**1.0mm Lance**

**DK 1.0mm Lance**

- Retractable long handle
- Length 123.5mm

**Wallace 1.0mm Lance LRI**

- 0.2mm front flat tip
- 600 micron setting / extension
- Retractable long handle
- Length 120.0mm

Single footplate allows easier visibility of knife as it passes through corneal tissue. Handle designed for finger twirling as blade follows arcuate pattern of the limbus.

**Barrett 1.0mm Lance**

- Four position handle (0.2, 0.3, 0.5, 5.0mm)
- Length 128.0mm
- Distinctive identification labelling

Four position handle may be used to perform 0.2mm or 0.3mm depth external incisions for phacoemulsification, whilst full extension position provides a lance style blade for paracentesis incision.

**DK 1.0mm Lance**

- Two position handle (0.3, 7.5mm)
- Length 128.0mm

**1.0mm Spear**

**Bloomberg 1.0mm Spear (vertical cutting edges; upper side faceted)**

- Upper side faceted
- Retractable long handle with second position 10.0mm shaft extension
- Length 123.5mm, extended length 133.5mm

Used to make side ports, groove and primary phaco incision.
**1.0mm Trifacet**

*DK 1.0mm Trifacet*

- 4-115
- Retractable long handle
- Length 123.5mm

*DK 1.0mm Trifacet*

- 4-116
- Retractable short handle
- Length 98.5mm

**Bloomberg 1.0mm Trifacet (vertical cutting edges; lower side faceted)**

- 4-494
- Lower side faceted
- Angled retractable handle
- Length 136.0mm

*Used to make paracentesis, grooves and primary phaco incision.*

**1.0mm Tunnel**

*Osher 1.0mm Tunnel*

- 4-597
- Retractable long handle
- Length 123.5mm

*Excellent for precise corneal, limbal or scleral wound construction.*

**1.0mm 30° Single Edge**

*DK 30° Single Edge*

- 4-125
- Retractable long handle
- Length 123.0mm
**DK 30° Single Edge**

4-126

- Retractable short handle
- Length 98.5mm

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**1.0mm 30° Trifacet**

*Friedlander Buzard 30° Trifacet (vertical)*

5-370-1

- 300 micron facet, 10° blade angle at tip
- 100 micron blade thickness
- 30° double cutting edge
- Micrometer handle
- Length 105.0mm
  *(When ordering gauge, specify 4-910)*

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**1.0mm 45° Double Edge**

*DK 45° Double Edge*

4-590

- Retractable long handle
- Length 120.0mm

---

**Pearce 45° Double Edge**

4-600

- Retractable long handle with second position 10.0mm shaft extension
- Length 123.5mm, extended length 133.5mm

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**DK 45° Double Edge**

5-310-1

- Micrometer handle
- Length 105.0mm
  *(When ordering gauge, specify 4-910)*
**DIAMOND KNIVES** (1.0mm 45° Double Edge Continued)

**Hofmann 45° Double Edge**

5-550

- Angled head to enhance visualization
- Includes protective blade cover
- Short angled head handle

5-555

- Angled head to enhance visualization
- Includes protective blade cover
- Short angled head handle

**DK 45° Double Edge**

5-832

- Vertical cutting edge on right
- Two position handle (0.3, 7.5mm)
- Length 128.0mm

5-833

- Vertical cutting edge on left
- Two position handle (0.3, 7.5mm)
- Length 128.0mm

5-835

- Three position handle (0.3, 0.6, 4.0mm)
- Length 128.0mm
**1.0mm 45° Microfacet**

Thornton American 45° Microfacet

5-350-1

- 200 micron vertical cutting
- 100 micron blade thickness
- Micrometer handle

**1.0mm 45° Single Edge**

DK 45° Single Edge

4-100

- Retractable long handle
- Length 123.5mm

DK 45° Single Edge

4-101

- Retractable short handle
- Length 98.5mm

DK 45° Single Edge

5-300-1

- Micrometer handle
- Length 105.0mm

**1.0mm 45° Single Edge Vertical Cut**

DK 45° Single Edge Vertical Cut

5-320-1

- Micrometer handle
- Length 105.0mm
**1.0mm Triple Edge / Rectangular**

Thornton Triple Edge (rectangular with vertical cutting edges)

5-330-1

- Micrometer handle
- Length 105.0mm

(when ordering gauge, specify 4-910)

**1.4mm Lance**

DK 1.4mm Lance

4-120

- Retractable long handle
- Length 123.5mm

DK 1.4mm Lance

4-121

- Retractable short handle
- Length 98.5mm

Osher 1.4mm Lance Adjustable Cataract Knife (series I)

5-600

- Angled head to enhance visualization
- Includes protective blade cover
- Angled head handle
- Length 145.0mm

(Patent # 4986170, 2178324)

Inclined setting of blade facilitates uniform depth of tunnel or groove. Angled head provides comfort with ease of handling.

Osher 1.4mm Lance Adjustable Cataract Knife (series II)

5-605

- Angled head to enhance visualization
- Includes protective blade cover
- Angled head handle
- Length 145.0mm

(Patent # 4986170, 2178324)

Inclined setting of blade facilitates uniform depth of tunnel or groove. Angled head provides comfort with ease of handling.
**DIAMOND KNIVES (1.4mm Spear, 2.0mm 45° Tapered)**

### 1.4mm Spear
*DK 1.4mm Spear*

**4-130**
- Retractable Long Handle
- Length 120.0mm

**4-131**
- Retractable Short Handle
- Length 98.5mm

### 2.0mm 45° Tapered
*Bauer Micrometer Incision Enlarger*

**5-810**
- Seven Position Handle (0.2, 0.25, 0.3, 0.35, 0.4, 1.5, 4.5mm)
- Length 128.0mm

**5-815**
- Four Position Handle (0.3, 0.5, 1.5, 4.5mm)
- Length 128.0mm

Incision size is adjusted with micrometer thumb screw. Left hand side of tip is blunt and used as a guide. Diamond blade on right hand side enlarges incision.
### 2.0mm Dome

_DK 2.0mm Dome (vertical cutting edges; 36 facets)_

- Eleven facets per side
- Angled retractable handle
- Length 138.0mm

**4-480**

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### 2.0mm Round

_DK 2.0mm Round (22 facets; 2.5mm length)_

- Eleven facets per side
- Angled retractable handle
- Length 136.0mm

**4-490**

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_DK 2.0mm Round (22 facets; 4.0mm length)_

- Eleven facets per side
- Angled retractable handle
- Length 138.0mm

**4-500**

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**Barrett 2.0mm Round (vertical cutting edges; upper side faceted)**

- Eleven facets
- Upper side faceted
- Angled retractable handle
- Length 138.0mm
- Distinctive identification labelling

_Designed for lamellar dissection, particularly for performing a scleral tunnel for phacoemulsification._


**DIAMOND KNIVES (2.4-3.1mm Tapered, 2.5 Arrow, 2.5mm Dome, 2.5mm Lance)**

**2.4mm - 3.1mm Tapered**

Vitali 2.4mm - 3.1mm Tapered (vertical cutting edges; upper side faceted)

- Upper side faceted
- Angled retractable handle
- Length 138.0mm

Designed to originate tunnel incisions with reproducible dimensions of 3.2mm x 2.0mm. Trapezoid shape creates a "tent like" wound. Large surface increases self-sealing effect. 0.25mm bevelled cutting edge to penetrate corneal epithelium and stroma. Non-cutting underside to cleave stroma without entering anterior chamber. Sharp tip to allow entry into anterior chamber. Suitable for foldable IOLs; implantable 3.2mm incision with forceps.

**2.5mm Arrow**

Barrett 2.5mm Arrow (12 facets)

- Six facets per side
- Retractable long handle
- Length 127.0mm
- Distinctive identification labelling

Designed as a multipurpose diamond blade used to perform external incision, lamellar dissection and enlargement of phacoemulsification incisions. Surface area of diamond is larger than conventional diamonds, which facilitates corneal and scleral incisions for ECCE, trabeculectomy and penetrating keratoplasty.

**2.5mm Dome**

DK 2.5mm Dome (vertical cutting edges; 15 facets)

- Eight facets upper side
- Seven facets lower side
- Angled retractable handle
- Length 138.0mm

**2.5mm Lance**

DK 2.5mm Lance

- Retractable long handle
- Length 123.0mm
DIAMOND KNIVES (2.5mm Lance Continued, 2.5mm, 2.6mm Spear, 2.65mm Single Sided Spear)

**DK 2.5mm Lance**

4-410

- Angled retractable handle
- Length 138.0mm

**2.5mm Spear**

**DK 2.5mm Spear**

4-415

- Angled retractable handle
- Length 138.0mm

**2.6mm Spear**

**Mackool 2.6mm Spear (upper side faceted)**

4-422

- Upper side faceted
- Angled retractable handle
- Length 138.0mm

**2.65mm Spear**

**DK 2.65mm Spear**

4-423

- Angled retractable handle
- Length 138.0mm

**2.65mm Single Sided Spear**

**Barrett 2.65mm Single-Sided Spear**

4-424

- Angled retractable handle
- Length 138.0mm
DIAMOND KNIVES (2.7mm Lance, 2.7-2.9mm Tapered, 2.8mm Spear)

2.7mm Lance
Khan 2.7mm Lance (upper side faceted)

4-425

• Upper side faceted
• Angled retractable handle
• Length 138.0mm

2.7mm - 2.9mm Tapered
DK 2.7mm - 2.9mm Tapered (vertical cutting edges; 8 facets)

4-438

• Four facets per side
• Angled retractable handle
• Length 138.0mm

2.8mm Spear
DK 2.8mm Spear

4-235

• Retractable long handle
• Length 123.0mm

DK 2.8mm Spear

4-430

• Angled retractable handle
• Length 138.0mm

DK 2.8mm Spear

5-807, 5-802*

• Four position handle (0.3, 0.5, 1.5, 4.5mm)
• Length 128.0mm

*(Seven position handle style: 0.2, 0.25, 0.3, 0.35, 0.4, 1.5, 4.5mm, specify 5-802)
2.8mm Crescent
Pearce 2.8mm (vertical cutting edges; 12 facets)

2.8mm - 3.2mm Tapered
DK 2.8mm - 3.2mm Tapered (vertical cutting edges; 4 facets)

3.0mm Lance
DK 3.0mm Lance

• Angled retractable handle
• Length 139.0mm

• Six facets per side
• Angled retractable handle
• Length 138.0mm

• Angled retractable handle
• Length 138.0mm

• Retractable long handle
• Length 123.0mm

• Retractable short handle
• Length 102.0mm

• Angled retractable handle
• Length 138.0mm
DIAMOND KNIVES (3.0mm Lance Continued, 3.0mm Round, 3.0mm Spear)

Michel 3.0mm Lance

5-812

- Four position handle (0.25, 0.3, 0.5, 5.0mm)
- Length 128.0mm

3.0mm Round

Bloomberg 3.0mm Round (lower side faceted)

4-495

- Eleven facets
- Lower side faceted
- Angled retractable handle
- Length 136.0mm

Ideal for entering cornea through shelved style incisions; allows entrance into anterior chamber with minimal trauma to endothelium.

3.0mm Spear

DK 3.0mm Spear

4-240

- Retractable long handle
- Length 123.0mm

DK 3.0mm Spear

4-241

- Retractable short handle
- Length 102.0mm

DK 3.0mm Spear

4-440

- Angled retractable handle
- Length 138.0mm
DIAMOND KNIVES (3.0mm Spear Continued, 3.0mm Crescent)

**DK 3.0mm Spear (vertical edges; 8 facets)**

4-445

- Four facets per side
- Angled retractable handle
- Length 138.0mm

**DK 3.0mm Spear**

5-801

- Seven position handle (0.2, 0.25, 0.3, 0.35, 0.4, 1.5, 6.5mm)
- Length 128.0mm

**DK 3.0mm Spear**

5-806

- Four position handle (0.3, 0.5, 1.5, 4.5mm)
- Length 128.0mm

**3.0mm Crescent**

*Pearce 3.0mm (vertical cutting edges; 12 facets)*

4-470

- Six facets per side
- Angled retractable handle
- Length 139.0mm

*Pearce 3.0mm (vertical cutting edges; 12 facets)*

5-804

- Six facets per side
- Seven position handle (0.2, 0.25, 0.3, 0.35, 0.4, 1.5, 6.5mm)
- Length 128.0mm
Pearce 3.0mm (vertical cutting edges; 12 facets)

5-809

- Six facets per side
- Four position handle (0.3, 0.5, 1.5, 6.5mm)
- Length 128.0mm

Pearce 3.0mm (vertical cutting edges; 12 facets)

5-820

- Six facets per side
- Three position handle (0.3, 0.58, 6.5mm)
- Length 128.0mm

3.0mm - 3.2mm Tapered

DK 3.0mm - 3.2mm Tapered (vertical cutting edges; 8 facets)

4-466

- Four facets per side
- Angled retractable handle
- Length 138.0mm

3.2mm Lance

DK 3.2mm Lance

4-204

- Retractable long handle
- Length 123.0mm

DK 3.2mm Lance

4-452

- Angled retractable handle
- Length 138.0mm
**Michel 3.2mm Lance**

5-811

- Four position handle (0.25, 0.3, 0.5, 5.0mm)
- Length 128.0mm

**3.2mm Spear**

**DK 3.2mm Spear**

4-260

- Retractable long handle
- Length 123.0mm

4-261

- Retractable short handle
- Length 102.0mm

**DK 3.2mm Spear**

4-460

- Angled Retractable Handle
- Length 138.0mm

**DK 3.2mm Spear (vertical cutting edges; 8 facets)**

4-462

- Four facets per side
- Angled retractable handle
- Length 138.0mm
**DIAMOND KNIVES (3.2mm Spear Continued, 3.2mm Crescent, 3.2-3.5mm Tapered)**

**DK 3.2mm Spear**

5-800

- Seven position handle (0.2, 0.25, 0.3, 0.35, 0.4, 1.5, 4.5mm)
- Length 128.0mm

**DK 3.2mm Spear**

5-805

- Four position handle (0.3, 0.5, 1.5, 4.5mm)
- Length 128.0mm

**3.2mm Crescent**

*Pearce 3.2mm (vertical cutting edges; 12 facets)*

5-803

- Six facets per side
- Seven position handle (0.2, 0.25, 0.3, 0.35, 0.4, 1.5, 6.5mm)
- Length 128.0mm

*Pearce 3.2mm (vertical cutting edges; 12 facets)*

5-808

- Six facets per side
- Four position handle (0.3, 0.5, 1.5, 6.5mm)
- Length 128.0mm

**3.2mm - 3.5mm Tapered**

*DK 3.2mm - 3.5mm Tapered (vertical cutting edges; 8 facets)*

4-265

- Ultra thin 0.1mm blade
- Four facets per side
- Retractable long handle
- Length 119.0mm
**DIAMOND KNIVES (3.2-3.5mm Tapered Continued, 3.5mm Spear)**

**DK 3.2mm - 3.5mm Tapered (vertical cutting edges; 12 facets)**

4-467

- Six facets per side
- Angled retractable handle
- Length 138.0mm

**DK 3.2mm - 3.5mm Tapered (vertical cutting edges; 8 facets)**

4-468

- Four facets per side
- Angled retractable handle
- Length 138.0mm

**DK 3.2mm - 3.5mm Tapered, Vertical Cutting Edges, 8 Facets**

5-814

- 4 Facets Per Side
- 4 Position Handle (0.2, 0.25, 0.3, 4.5mm)
- Length 128.0mm

**3.5mm Spear**

**DK 3.5mm Spear**

4-264

- Retractable long handle
- Length 123.0mm

**DK 3.5mm Spear**

4-465

- Angled retractable handle
- Length 138.0mm
DIAMOND KNIVES, GAUGES (3.8mm Spear, 4.0mm Spear, Gauges)

3.8mm Spear
Osher DK 3.8mm Spear (vertical cutting edges; 8 facets)

4-464

- Four facets per side
- Angled retractable handle
- Length 138.0mm

4.0mm Spear
DK 4.0mm Spear

4-268

- Retractable long handle
- Length 127.0mm

Gauges (Designed to avoid contact of diamond blade to Gauge)
DK Diamond Knife Gauge

4-910

Compatible with DK Diamond Knives: 5-300-1, 5-310-1, 5-320-1, 5-330-1, 5-340-1, 5-350-1, 5-360-1, 5-362, 5-370-1.

4-920

Compatible with DK Diamond Knives: 5-400-1.
DIAMOND GAUGES (Gauges Continued)

**DK Diamond Knife Gauge**

4-950

Duckworth & Kent
4-950
ENGLAND

Compatible with DK Diamond Knives: 5-550.

**DK Diamond Knife Gauge**

4-955

Duckworth & Kent
4-955
ENGLAND

Compatible with DK Diamond Knives: 5-555.

**Thornton Diamond Knife Holder**

4-999

Duckworth & Kent
4-999
ENGLAND

Elevates Diamond Knife for ease in pick up and visualization. Anodized aluminium.
Neumann Caliper Block

9-600

• Measures 300 - 800 microns
• 20 micron graduations

Thornton Step Gauge

9-610

• Measures 400 - 800 microns
• 10 micron graduations

Knife Handle (For Disposable Blades)

DK Knife Handle

6-730

• Round handle, length 100.0mm
Lacrima

DK Lacrical Dilator

6-180

- Pointed tip
- 10° inclusive angle
- Round handle, length 122.5mm

Mandelkorn Gauge / Dilator

6-655

- 0.4mm and 0.5mm
- Round handle, length 138.0mm

Mandelkorn Gauge / Dilator

6-655-1

- 0.6mm and 0.7mm
- Round handle, length 138.0mm

Mandelkorn Gauge / Dilator

6-655-2

- 0.8mm and 0.9mm
- Round handle, length 138.0mm
Barrett balanced set handle, length 121.0mm
55° angled shaft, tip to angle length 6.0mm
2.0mm sharp rounded tip

Knife
55° angled shaft, tip to angle length 6.0mm
4.0mm round blunt edge

Dissector
1.0mm x 1.0mm oval round blade, blade thickness 0.1mm
Round handle, length 118.0mm

Ogawa Lamellar Dissector
6-606
VIEW ON ARROW

• 2.5mm sharp edge tip
• 65° angled curved blade, tip to angle length 13.5mm
• Round handle, length 114.0mm

For use in lamellar corneal procedures. Sharp tip creates dissectors with slightly rounded sides maintain single dissection plane. Curved blade minimizes distortion of cornea during dissection.

Morlet Lamellar Knife / Dissector
6-607

• 0.1mm x 1.5mm sharp edges
• 0.35mm x 2.0mm curved
• Angled shafts 12.0mm tip to curve, tip to angle length 3.0mm
• Round handle, length 110.0mm

Combined Paufique knife and lamellar corneal dissector. Paufique knife used for starting lamellar corneal dissection and also to extend while peeling back superficial corneal tissue. Also used for undermining the periphery of host lamellar corneal bed which helps to prevent development of a step at the anterior host donor junction when implanting a donor lamellar that is thicker than excised host lamellar. Paufique knife also used to for removing lamellar host tissue down to level of Descemets membrane. Lamellar corneal dissector is used to create a lamellar corneal plane via a peripheral corneal pocket or to widely extend a lamellar dissection that has been started with Paufique knife. Designed to separate lamellar and to stay within a plane. Corneal lamellae can be rapidly separated with this instrument without the need for lifting and turning back lamellar flap. After separating the layers, lamellar corneal button may be excised with scissors.

DK Scleral Pocket Knife
6-608

• 1.0mm x 1.0mm oval round blade, blade thickness 0.1mm
• 45° angled shaft, tip to angle length 3.0mm
• Round handle, length 118.0mm

Used in viscocanalostomy to create scleral pocket.

Barrett Lamellar Dissector / Knife
6-609

Dissector
• 4.0mm round blunt edge
• 55° angled shaft, tip to angle length 6.0mm

Knife
• 2.0mm sharp rounded tip
• 55° angled shaft, tip to angle length 6.0mm
• Barrett balanced set handle, length 121.0mm
DISSECTORS AND FLAP DISSECTORS (Continued)

**Gulani Neumann Hyperopic LASIK Flap Dissector**

6-862

![Image of Gulani Neumann Hyperopic LASIK Flap Dissector]

- Round handle, length 123.5mm
- Polished shafts
- Forked style tip

*45° angled shafts, tip to angle length 10.0mm*

*Used to raise flap in LASIK.*

*Hoe-shaped tip used to lift epithelial edge in LASEK.

**DK Epithelial Edge Lifter**

6-865

- "Hoe-shaped" tip
- Round handle, length 120.0mm

*Used to lift epithelial edge in LASEK.*

**DK Epithelial Separator / Lifter**

6-866

- 3.0mm triangular-shaped tip
- 45° angled shaft
- Round handle, length 120.0mm

**Buratto LASIK Flap Dissector**

6-872

- Forked style tip
- 45° angled shafts, tip to angle length 10.0mm

*Forked style tip used to raise flap in LASIK.*

- Polished shafts
- Round handle, length 123.5mm

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**FIXATION RINGS**

**DK Thornton Fixation Ring**

9-500

- 16.0mm diameter ring with twelve point fixation
- Pivot swivel flat handle, length 107.0mm

**DK Thornton Fixation Ring**

9-501

- 16.0mm diameter ring with twelve point fixation
- Fixed flat handle, length 116.0mm

**Thornton Fixation Ring**

9-501R

- 16.0mm diameter ring with twelve point fixation
- Fixed round handle, length 126.0mm

Securesly fixates globe with atraumatic fixation, provides stability and uniform pressure on globe during incision to assure consistent, accurate depth.

**DK Fine Thornton Fixation Ring**

9-502

- 3/4 ring, 16.0mm diameter ring with nine point fixation
- Fixed flat handle, length 114.0mm

**Fine Thornton Fixation Ring**

9-502R

- 3/4 ring, 16.0mm diameter ring with ten point fixation
- Fixed round handle, length 124.5mm
**DK Fine Thornton Fixation Ring**

9-503

- 3/4 ring, 16.0mm diameter ring with nine point fixation
- Pivot swivel flat handle, length 106.0mm

**DK Fine Thornton Fixation Ring**

9-503R

- 3/4 ring, 16.0mm diameter ring with nine point fixation
- Pivot swivel round handle, length 134.0mm

**DK Fixation Ring**

9-505

- 16.0mm diameter ring with smooth surface contact
- Pivot swivel flat handle, length 107.0mm

**DK Thornton Fixation Ring**

9-506

- 14.0mm diameter ring with twelve point fixation
- Fixed flat handle, length 115.0mm

**DK Thornton Fixation Ring**

9-506R

- 14.0mm diameter ring with twelve point fixation
- Fixed round handle, length 126.0mm
**DK Fine Thornton Fixation Ring**

9-507

- 3/4 ring, 14.0mm diameter ring with nine point fixation
- Fixed flat handle, length 113.0mm

**DK Fine Thornton Fixation Ring**

9-508

- 3/4 ring, 13.0mm diameter ring with ten point fixation
- Fixed round handle, length 119.0mm

*Handle mounted at 70° for visualization.*

**DK Fine Thornton Fixation Ring**

9-509

- 3/4 ring, 13.0mm diameter ring with nine point fixation
- Fixed flat handle, length 112.0mm

**DK Fine Thornton Fixation Ring**

9-509R

- 3/4 ring, 13.0mm diameter ring with nine point fixation
- Fixed round handle, length 125.5mm

**DK Fine Thornton Fixation Ring**

9-510

- 3/4 ring, 13.0mm diameter ring with nine point fixation
- Pivot swivel flat handle, length 105.0mm
DK Fine Thornton Fixation Ring

9-510R

- 3/4 ring, 13.0mm diameter ring with nine point fixation
- Pivot swivel round handle, length 133.0mm

DK Fine Thornton Fixation Ring and Caliper

9-511

- 3/4 ring, 13.0mm diameter ring with nine point fixation
- Caliper end 3.5mm internal dimension, 4.0mm external dimension
- Pivot swivel flat handle, length 101.0mm

DK Fine Thornton Fixation Ring

9-512

- 3/4 ring, 15.0mm diameter ring with nine point fixation
- Fixed flat handle, length 113.0mm

DK Fine Thornton Fixation Ring and Caliper

9-514

- 3/4 offset ring, 13.0mm diameter ring dual-sided with nine point fixation
- Caliper end 3.5mm internal dimension, 4.0mm external dimension
- Pivot swivel flat handle, length 101.5mm

DK Fine Thornton Fixation Ring

9-515

- 3/4 offset ring, 13.0mm diameter ring dual-sided with nine point fixation
- Pivot swivel flat handle, length 106.5mm
Prevents movement during PRK in patients with poor fixation.

- Fixed flat handle, length 113.0mm
- Fixed round handle, length 126.0mm
- 10.0mm diameter ring with twelve point fixation
- 3/4 ring, 12.0mm diameter ring with nine point fixation
- Pivot swivel round handle, length 133.0mm
- 12.0mm diameter ring with twelve point fixation
- Pivot swivel flat handle, length 106.0mm
- Inner capsulorhexis guide 4.75 diameter ring, smooth surface to mark cornea
- Fixed flat handle, length 113.0mm
- 3/4 offset ring, 13.0mm diameter ring dual-sided with nine point fixation
- Pivot swivel round handle, length 134.5mm

**Stein Thornton Fixation Ring**

**DK Fine Thornton Fixation Ring**

9-515R

- 3/4 ring, 12.0mm diameter ring with nine point fixation
- Pivot swivel round handle, length 133.0mm

**Spalton Fine Thornton Capsulorhexis Guide Fixation Ring**

9-518

- 3/4 ring, 12.0mm diameter ring with nine point fixation
- Inner capsulorhexis guide 4.75 diameter ring, smooth surface to mark cornea
- Fixed flat handle, length 113.0mm

**DK Thornton Fixation Ring**

9-520

- 12.0mm diameter ring with twelve point fixation
- Pivot swivel flat handle, length 106.0mm

**DK Fine Thornton Fixation Ring**

9-521R

- 3/4 ring, 12.0mm diameter ring with nine point fixation
- Pivot swivel round handle, length 133.0mm

**Stein Thornton Fixation Ring**

9-522R

- 10.0mm diameter ring with twelve point fixation
- Fixed round handle, length 126.0mm

*Prevents movement during PRK in patients with poor fixation.*
Shepard Thornton Fixation Ring Snow Tyre Pattern

9-525

- 16.0mm diameter ring with snow-tyre pattern fixation
- Fixed round handle, length 82.5mm

Unique snow-tyre pattern, rather than sharp points, for fixation. Handle, mounted at 70°, is angled more acutely to avoid nose. Stabilizes globe during radial and astigmatic keratotomy. Gives firmer, more positive control of globe with less discomfort.

Shepard Fine Thornton Fixation Ring Snow Tyre Pattern

9-526

- 3/4 ring, 13.0mm diameter ring with snow-tyre pattern fixation
- Fixed round handle, length 81.0mm

Unique snow-tyre pattern, rather than sharp points, for fixation. Handle, mounted at 70°, is angled more acutely to avoid nose, especially during the formation of a temporal clear corneal incision and/or paracentesis. Stabilizes globe during cataract and glaucoma wound construction, paracentesis and astigmatic keratotomy. Gives firmer, more positive control of globe with less discomfort.

Shepard Fixation Ring Snow Tyre Pattern

9-527

- 3/4 ring, 16.0mm diameter ring with snow-tyre pattern fixation
- Pivot swivel round handle with flats, length 97.0mm

Shepard Fine Thornton Fixation Ring Snow Tyre Pattern

9-528

- 3/4 ring, 13.0mm diameter ring with snow-tyre pattern fixation
- Pivot swivel round handle with flats, length 96.5mm
**Fixed round handle, length 84.0mm**

- 14.0mm fixation ring with 0°-180° in 10° increments
- 70° angled shaft
- Fixed round handle, length 84.0mm

**Pivot swivel round handle, length 140.0mm**

**Fixed flat handle, length 118.0mm**

- 3/4 ring, 12.0mm diameter ring with nine point fixation
- Fixed flat handle, length 118.0mm

Open at 90° to handle, right side.

**Shepard Fixation Ring Snow Tyre Pattern With Rotating Dial**

9-529

- 16.0mm diameter ring with snow-tyre pattern fixation and rotating dial 0°-180° in 10° increments

**Stevens Fine Thornton Fixation Ring (right eye)**

9-531

- 3/4 ring, 12.0mm diameter ring with nine point fixation
- Fixed flat handle, length 118.0mm

Open at 90° to handle, right side.

**Stevens Fine Thornton Fixation Ring (left eye)**

9-531-1

- 3/4 ring, 12.0mm diameter ring with nine point fixation
- Fixed flat handle, length 118.0mm

Open at 90° to handle, left side.

**Barrett Fixation Ring with Flap Support**

9-532

- 14.0mm fixation ring with 0°-180° in 10° increments
- Pivot swivel round handle, length 140.0mm
Stevens LASIK Fixation Ring with Flap Support (right eye)

9-533

• 12.0mm diameter ring with nine point fixation and flap support
• Fixed flat handle, length 118.0mm

Stevens LASIK Fixation Ring with Flap Support (left eye)

9-533-1

• 12.0mm diameter ring with nine point fixation and flap support
• Fixed flat handle, length 118.0mm

Osher Fixation Ring

9-534

• 1/2 ring, 14.5mm diameter ring with seven point fixation
• Fixed round handle, length 81.5mm

Provides stable support of globe during construction of incision.

Osher Fixation Ring

9-534-1

• 1/2 ring, 14.5mm diameter ring with double row of nine point fixation
• Offset points on wider ring
• Fixed round handle, length 81.0mm
**FLAP STABILIZERS**

*Pallikaris LASIK Flap Stabilizer*

2-680

- 6.0mm inner diameter, 6.5mm outer diameter on upper limb
- 10.0mm diameter platform with 6.0mm long flat on leading edge
- Highly polished inner surface
- Length 50.0mm

Designed to hold and support flap during LASIK.

*Pallikaris LASIK Flap Stabilizer (angled)*

2-681

- 6.0mm inner diameter, 6.5mm outer diameter on upper limb
- 10.0mm diameter platform with 6.0mm long flat on leading edge
- Highly polished inner surface
- 40° angled shaft, tip to angle length 11.4mm
- Length 48.0mm

*Buratto LASIK Hemi-Disc Flap Probe*

6-873

- Forked style tip with hemi-disc probe
- 45° angled shafts, tip to angle length 11.0mm
- Round handle, length 126.0mm

Forked style tip with hemi-disc probe is used to raise and support flap in LASIK.

**DK's Guarantee**

DK instruments are guaranteed for life against defects in materials and workmanship.
CATEGORIES

- Bipolar
- Capsule, Capsulorhexis
- Chalazion Clamp
- Cilia
- Collibri
  - 0.12, 0.2, 0.3mm Toothed
  - Plerse Notched
  - Plain Tip
  - Tying
- Conjunctival
- Corneal and Fixation
- Flap Lifting/Utility (Also refer to section Forceps - Tissue, Dressing, Utility)
- Foreign Body
- Haptic
- ICL
- Incision Spreading (Also refer to section Incision Spreading)
- IOL
- Iris Retractor (Also refer to section Retractors - Iris)
- Muscle, Superior Rectus
- Notched
- Nucleus Cracking and PreChop
- Plain Tip
- Retinal
- Suturing
- Tissue, Dressing, Utility (Also refer to section Forceps - Flap Lifting/Utility)
- Tying

Handle Styles
(Continued on Following Pages)
FORCEPS (Handle Styles Continued)

DK Long Handle

Dolphin Short Handle

Dolphin Handle

Dolphin Long Handle

Micro Collibri Style Shaft

Standard Handle Collibri Style Shaft

Standard Long Handle Collibri Style Shaft
FORCEPS (Handle Styles Continued)

DK Long Handle

O’Gawa Round Handle

Nordan Round Handle with Flats

Anis Round Handle

Round Cross Action Handle

Reverse Standard Cross Action Handle
Standard Cross Action Handle

Dolphin Cross Action Handle

Barrett Balanced Set Handle

Round Squeeze Handle

Short Ridged Handle

DK Long Cross Action Handle
**Bipolar**

*DK Bipolar Forceps*

2-950

- Plain tips without tying platforms
- Straight shafts
- Standard handle with 2 prong connector, length 90.0mm

*DK Bipolar Forceps*

2-952

- Plain tips without tying platform
- 45° angled shafts, tip to angle length 10.0mm
- Standard handle with 2 prong connector, length 87.0mm

*DK Bipolar Forceps*

2-970

- Plain tips without tying platforms
- Straight shafts
- Standard long handle with 2 prong connector, length 112.5mm

*DK Bipolar Forceps*

2-972

- Plain tips without tying platforms
- 45° angled shafts, tip to angle length 10.0mm
- Standard long handle with 2 prong connector, length 109.5mm
Capsule, Capsulorhexis

Anis™ Anterior Capsulotomy Forceps

2-187

- Interlock tip alignment
- 9.0mm tying platforms, tip 60° angle to shafts, tip to angle length 10.0mm
- Anis round cross action handle, length 114.0mm

DK Gills Welsh Capsule Forceps

2-205

- Plain tips without tying platforms
- 1.5mm tip to angle, 23° angle to Colibri style shafts
- Micro handle, length 78.0mm

Pearce Capsulorhexis Forceps

2-600

- Pearce style tips
- 45° angled shafts, tip to angle length 14.0mm
- Round handle, length 115.0mm

*Pearce style tip provides firm atraumatic grasp of tissue.*

Bloomberg Capsulorhexis Forceps

2-703

- 0.12mm, 1 x 2 teeth, plain tips without tying platforms
- 45° angled shafts, tip to angle length 14.0mm
- Standard handle, length 84.0mm

*Used to puncture capsule and perform controlled continuous tear capsulotomy.*
Walker Multi-function Capsulorhexis Forceps

2-704

- Serrated tips
- 0.25mm Pierse style notched, 6.0mm tying platforms
- Curved shafts, tip to curve length 14.5mm
- Standard cross action handle, length 105.0mm

Long curved jaws reach lower end of anterior chamber when performing capsulorhexis. Pointed capsulorhexis tips allow for capsulotomy and serrated jaws grasp capsule firmly. Hinged-in-wound design allows retention of viscoelastic during procedure and also adequate opening of tips. Top side of tips grasp tissue suitable for holding cornea and sclera. Tying platforms allow for suture control such as in triple procedures. Holds optic for implantation of IOL and placing haptic in bag.

Walker Multi-function Capsulorhexis Forceps

2-704D

- Serrated tips
- 0.25mm Pierse style notched, 6.0mm tying platforms
- Curved shafts, tip to curve length 14.5mm
- Dolphin cross action handle, length 105.0mm

Walker Multi-function Capsulorhexis Forceps

2-704R

- Serrated tips
- 0.25mm Pierse style notched, 6.0mm tying platforms
- Curved shafts, tip to curve length 14.5mm
- Round cross action handle, length 126.0mm

Mackool Capsulorhexis Forceps

2-706

- 50° angled shafts, tip to angle length 14.0mm
- Standard cross action handle, length 106.0mm

Insertable through 2.5mm incision, curved to prevent corneal deformation during use. Smooth tipped to ensure easy entry.

O'Gawa Capsulorhexis Forceps

2-707

- Curved shafts, tip to curve length 12.0mm
- Round cross action handle, length 126.0mm

Forces hinge prevent viscoelastic leakage by occluding wound. May be used in a scleral tunnel or paracentesis wound - great for eyes with positive pressure. Round handle rolls in a controlled fashion between finger tips generating smooth, easy movement of forceps tips.
**FORCEPS (Capsule, Capsulorhexis Continued)**

**DK Utrata Capsulorhexis Forceps**

2-708

- Utrata style tips
- Iris stop platforms 8.5mm from tips
- 45° angled shafts, tip to angle length 13.0mm
- Round cross action handle, length 124.0mm

**O’Gawa Capsulorhexis Forceps**

2-709

- Iris stop platforms 6.5mm from tips
- 45° angled shafts, tip to angle length 13.0mm
- O’Gawa round handle, length 115.0mm

O’Gawa round handle design allows comfortable control of instrument tip and jaw position by merely a roll of the handle, minimizing wrist and arm movement.

**Barrett Capsulorhexis Forceps**

2-711

- Utrata style tips
- Iris stop platforms 8.5mm from tips
- Curved shafts, tip to curve length 13.0mm
- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

Cross section of jaws are flattened vertically providing a rectangular cross section which strengthens forceps in horizontal plane, minimizes incision gape and loss of viscoelastic during capsulorhexis. Jaws maintain consistent alignment of tips.

**DK Utrata Capsulorhexis Forceps**

2-712

- Utrata style tips
- Iris stop platforms 8.5mm from tips
- Curved shafts, tip to curve length 13.0mm
- Round handle, length 115.0mm

**Bloomberg Capsulorhexis Forceps**

2-713

- Bloomer style tips
- 45° angled shafts, tip to angle length 14.0mm
- Round handle, length 115.0mm

Lengthened tips enable ease of reach and grasp of capsule 180° away from incision in performing capsulorhexis. Miniature tip extension facilitates use with different incision styles, including shelved incisions.
DK Utrata Capsulorhexis Forceps

2-714

- Utrata style tips
- Iris stop platforms 8.5mm from tips

- 1.5mm diameter shaft at cross junction
- Standard cross action handle, length 105.0mm

Bloomberg Capsulorhexis Forceps

2-715

- Bloomberg style tips
- 45° angled shafts, tip to angle length 14.0mm
- Standard handle, length 84.0mm

Bloomberg Capsulorhexis Forceps

2-715D

- Bloomberg style tips
- 45° angled shafts, tip to angle length 14.0mm
- Dolphin handle, length 90.0mm

Inamura Capsulorhexis Forceps (scleral tunnel incision)

2-716

- Utrata style tips
- Curved shafts, tip to curve length 14.0mm
- 1.5mm diameter shaft at cross junction

Cross point of instrument is in corneal or scleral tunnel while performing capsulorhexis so it does not gaping wound. Prevents leakage of viscoelastic from anterior chamber.

Deitz Inamura Capsulorhexis Forceps (scleral tunnel incision)

2-716-1

- Longer pointed Utrata style tips
- Curved shafts, tip to curve length 14.0mm
- Slightly longer pointed tips puncture anterior capsule in initiating the tear.

- 1.5mm diameter shaft at cross junction
- Standard cross action handle, length 105.0mm
Inamura Capsulorhexis Forceps (corneal incision)

2-716-2

- Utrata style tips
- Curved shafts, tip to curve length 13.0mm
- 1.5mm diameter shaft at cross junction
- Standard cross action handle, length 104.0mm

Inamura Capsulorhexis Forceps (corneal incision)

2-716-2R

- Utrata style tips
- Curved shafts, tip to curve length 13.0mm
- 1.5mm diameter shaft at cross junction
- Round cross action handle, length 125.5mm

Inamura Capsulorhexis Forceps (corneal incision; scleral tunnel incision; serrated tips designed to interlock)

2-716G

- Serrated tips
- Curved shafts, tip to curve length 14.0mm
- 1.5mm diameter shaft at cross junction
- Standard cross action handle, length 105.0mm

Inamura Capsulorhexis Forceps (corneal incision; serrated tips designed to interlock)

2-716G-2

- Serrated tips
- Curved shafts, tip to curve length 13.0mm
- 1.5mm diameter shaft at cross junction
- Standard cross action handle, length 104.0mm

Inamura Capsulorhexis Forceps (corneal incision; serrated tips designed to interlock)

2-716G-2R

- Serrated tips
- Curved shafts, tip to curve length 13.0mm
- 1.5mm diameter shaft at cross junction
- Round cross action handle, length 125.5mm
**Inamura Capsulorhexis Forceps** (scleral tunnel incision; serrated tips designed to interlock)

2-716GR

- Serrated tips
- Curved shafts, tip to curve length 14.0mm
- 1.5mm diameter shaft at cross junction
- Round cross action handle, length 126.0mm

**Kudo Inamura Capsulorhexis Forceps** (veterinary use; serrated tips designed to interlock)

2-716GV

- For veterinary use
- Serrated tips
- Curved shafts, tip to curve length 16.0mm
- 1.5mm diameter shaft at cross junction
- Standard cross action handle, length 107.0mm

**Inamura Capsulorhexis Forceps** (scleral tunnel incision)

2-716R

- Utrata style tips
- Serrated tips
- Curved shafts, tip to curve length 14.0mm
- 1.5mm diameter shaft at cross junction
- Round cross action handle, length 126.0mm

**Kudo Inamura Capsulorhexis Forceps** (veterinary use)

2-716V

- For veterinary use
- Utrata style tips
- Curved shafts, tip to curve length 16.0mm
- 1.5mm diameter shaft at cross junction
- Standard cross action handle, length 107.0mm

**Pearce Capsulorhexis Forceps**

2-717

- Pearce style tips
- 45° angled shafts, tip to angle length 14.0mm
- Standard handle length 84.0mm
**FORCEPS** (Capsule, Capsulorhexis Continued)

*Pearce Capsulorhexis Forceps*

**2-717D**
- Pearce style tips
- 45° angled shafts, tip to angle length 14.0mm
- Dolphin handle, length 90.0mm

*DK Utrata Capsulorhexis Forceps*

**2-718, 2-718-1**
- Utrata style tips
- Iris stop platforms 8.5mm from tips

*(Utrata style tips, standard long handle, length 111.0mm, specify 2-718-1)*

**DK Utrata Capsulorhexis Forceps**

**2-718D**
- Utrata style tips
- Iris stop platforms 8.5mm from tips
- Curved shafts, tip to curve length 13.0mm
- Dolphin handle, length 90.0mm

*Utrata Capsulorhexis Forceps*

**2-719, 2-719-1**
- Utrata style tips
- Iris stop platforms 8.5mm from tips

*(Utrata style tips, standard long handle, length 111.0mm, specify 2-719-1)*

*Osher Capsulorhexis Forceps*

**2-719-2**
- Utrata style tips
- 45° angled shafts, tip to angle length 13.0mm
- Standard handle, length 83.0mm

Forceps tips provide firm grasp of capsule.
**FORCEPS** (Capsule, Capsulorhexis Continued, Chalazion Clamp, Cilia)

**DK Utrata Capsulorhexis Forceps**
- 2-719D
- Utrata style tips
- Iris stop platforms 8.5mm from tips
- 45° angled shafts, tip to angle length 13.0mm
- Dolphin handle, length 90.0mm

**DK Capsulorhexis Forceps**
- 2-845
- 5.0mm curved tips
- 20 gauge, 24.0mm long shaft
- Squeeze action activates both jaws
- Round squeeze handle, length 148.5mm

**Anis Micro Forceps**
- 2-848
- 0.75mm tips
- 22 gauge, 21.0mm long shaft
- Squeeze action activates upper jaw
- Round squeeze handle, length 146.0mm

Easily maneuvered to desired direction. Capsulorhexis may be performed through paracentesis incision.

**Chalazion Clamp**

**DK Desmarres Chalazion Forceps / Clamp**
- 2-640
- 11.5mm x 17.5mm inside oval circular working diameter upper plate
- 14.0mm x 20.0mm diameter lower plate
- Polished finish lower plate
- Standard handle, locking thumb screw, length 88.0mm

**Kudo Cilia Forceps**
- 2-194
- Tapered, smooth tips
- 20° angled shafts, tip to angle length 8.0mm
- Round handle, length 108.0mm

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DK Beaupre Cilia Forceps

2-195

- Tapered, smooth tips
- 30° angled shafts, tip to angle length 11.5mm
- Standard cross action handle, length 105.0mm

KY Cilia Forceps

2-196

- 8.5mm medium angled jaws
- 30° angled shafts, tip to angle length 8.5mm
- Round handle, length 107.0mm

DK Cilia Forceps

2-2195

- Tapered, smooth tips
- 30° angled shafts, tip to angle length 7.0mm
- Short ridged handle, length 85.0mm
- Single piece construction

Colibri

0.12, 0.2, 0.3mm Toothed
Pierse Notched
Plain Tip
Tying

Colibri, 0.12, 0.2, 0.3mm Toothed
DK Troutman Barraquer Colibri Forceps

2-132, 2-132-1*, 2-132-2*

- 0.12mm, 1 x 2 teeth, tip length 2.0mm
- 6.0mm tying platforms
- Colibri style shafts
- Standard handle, length 84.0mm
*(0.3mm, 1 x 2 teeth, tip length 2.0mm, standard handle, length 84.0mm, specify 2-132-1)
*(0.2mm, 1 x 2 teeth, tip length 2.0mm, standard handle, length 84.0mm, specify 2-132-2)
**DK Troutman Barraquer Colibri Forceps**

2-132D,2-132DS*

- 0.12mm, 1 x 2 teeth, tip length 2.0mm
- 6.0mm tying platforms
- Colibri style shafts
- Dolphin handle, length 94.0mm

*(0.12mm, 1 x 2 teeth, tip length 2.0mm, dolphin short handle, length 84.0mm, specify 2-132DS)*

**DK Colibri Forceps**

2-133DL

- 0.2mm, 1 x 2 teeth, tip length 2.0mm
- 6.0mm tying platforms
- Colibri style shafts
- Dolphin long handle, length 118.0mm

**DK Colibri S Style Forceps**

2-134

- 0.12mm, 1 x 2 teeth, tip to curve length 4.0mm
- 6.0mm tying platforms
- Extra curved Colibri S style shafts
- Standard handle, length 83.0mm

**DK Colibri Forceps**

2-135

- 0.12mm, 1 x 2 teeth, tip length 2.0mm
- 6.0mm tying platforms
- Colibri style shafts
- Standard long handle, length 115.0mm

**DK Colibri Forceps**

2-138D,2-138DL*

- 0.12mm, 1 x 2 teeth, tip length 2.5mm
- 6.0mm tying platforms
- Colibri style shafts
- Dolphin handle, length 94.0mm

*(0.12mm, 1 x 2 teeth, tip length 2.5mm, dolphin long style handle, length 118.0mm, specify 2-138DL)*
OKW Nick Handle, Length 99.0mm
• O’Gawa style shafts
• Nordan round handle, length 84.0mm

DK Troutman Barraquer Colibri Forceps

2-214
• 0.12mm, 1 x 2 teeth, tip length 1.5mm
• 4.5mm tying platforms

DK Troutman Barraquer Colibri Forceps

2-215
• 0.12mm, 1 x 2 teeth, tip length 0.8mm
• 4.5mm tying platforms

Nordan Colibri Forceps

2-443
• 0.12mm, 1 x 2 teeth, tip length 2.0mm
• 5.0mm tying platforms

O’Gawa Colibri Forceps

2-445
• 0.12mm, 1 x 2 teeth, tip length 2.0mm
• Plain tips without tying platform

O’Gawa round handle design allows comfortable control of instrument tip and jaw position by merely a roll of the handle, minimizing wrist and arm movement.
FORCES (Colibri Toothed Continued, Colibri Pierse Notched)

O'Gawa Colibri Forceps

2-445-2

- 0.12mm, 2 x 2 teeth, tip length 2.0mm
- Plain tips without tying platform
- Colibri style shafts
- O'Gawa round handle, length 108.5mm

Colibri, Pierse Notched

DK Pierse Notched Colibri S Style Forceps

2-120

- Pierse 0.25mm notched, tip to curve length 4.0mm
- 6.0mm tying platforms
- Extra curved Colibri S style shafts
- Standard handle, length 83.0mm

DK Pierse Notched Colibri Forceps

2-130

- Pierse 0.25mm notched, tip length 2.0mm
- 6.0mm tying platforms
- Colibri style shafts
- Standard handle, length 84.0mm

DK Pierse Notched Colibri Forceps

2-130D, 2-130DS*

- Pierse 0.25mm notched, tip length 2.0mm
- 6.0mm tying platforms
- Colibri style shafts
- Dolphin handle, length 93.0mm
*(Pierse 0.25mm notched, tip length 2.0mm, dolphin short handle, length 83.0mm, specify 2-130DS)

DK Pierse Notched Colibri Forceps

2-136

- Pierse 0.25mm notched, tip length 2.0mm
- 6.0mm tying platforms
- Colibri style shafts
- Standard long handle, length 115.0mm
**DK Pierse Notched Colibri Forceps**

2-200

- Pierse 0.25mm notched, tip length 1.5mm
- 4.5mm tying platforms
- Colibri style shafts
- Micro handle, length 78.0mm

**Nordan Pierse Notched Colibri Forceps**

2-440

- Pierse 0.25mm notched, tip length 2.0mm
- 5.0mm tying platforms
- Colibri style shafts
- Nordan round handle with flats, length 114.0mm

**Colibri, Plain Tip**

**DK Plain Tip Colibri Forceps**

2-910

- Plain tips without tying platform
- 60° Angle to Shaft, Tip Length 2.0mm
- Colibri style shafts
- Standard handle, length 84.0mm

**DK Plain Tip Colibri Forceps**

2-910D, 2-910DS*

- Plain tips without tying platform
- 60° angle to shaft, tip length 2.0mm
- Colibri style shafts
- Dolphin short handle, length 94.0mm

*(Plain tips without tying platforms, dolphin short handle, length 84.0mm, specify 2-910DS)

**DK Plain Tip Colibri S Style Forceps**

2-955

- Plain tips without tying platform
- Extra curved Colibri S style shafts
- Standard Handle, Length 83.0mm
**Colibri, Tying**

**DK Tying Colibri Forceps**

2-137

- 6.0mm tying platforms, tip length 2.0mm
- Colibri style shafts
- Standard long handle, length 115.0mm

**DK Tying Colibri Forceps**

2-210

- 4.5mm tying platforms, tip length 1.5mm
- Colibri style shafts
- Micro handle, length 78.0mm

**DK Tying Colibri Forceps**

2-550

- 6.0mm tying platforms, tip length 2.0mm
- Colibri style shafts
- Standard handle, length 84.0mm

**DK Tying Colibri Forceps**

2-550D, 2-550DS *

- 6.0mm tying platforms, tip length 2.0mm
- Colibri style shafts
- Dolphin handle, length 94.0mm

*(6.0mm tying platforms, tip length 2.0mm, dolphin short handle, length 84.0mm, specify 2-550DS)

**DK Tying Colibri S Style Forceps**

2-555

- 6.0mm tying platforms, tip to curve length 4.0mm
- Extra curved Colibri S style shafts
- Standard handle, length 83.0mm
Conjunctival

Osher Conjunctival Forceps

2-167

- 0.12mm, 1 x 2 teeth, 2 point fixation, 1.6mm separated
- Round cross action handle, with lock, length 125.0mm
- Slightly curved shafts

Provides secure counter traction of globe during astigmatic keratotomy.

Barrett Conjunctival Forceps

2-182

- 0.12mm, 1 x 2 teeth, 2 point fixation, 1.0mm separated
- Colibri style shafts
- Standard handle, length 84.0mm
- 12 x 12 blunt delicate interlocking teeth
- 45° angled shafts, tip to angle length 5.0mm
- Standard long handle, length 115.0mm
- Distinctive identification labeling

Designed with series of small cusps to avoid crushing conjunctiva while holding tissue securely.

Corneal and Fixation

Osher AK Fixation Forceps

2-165

- 0.12mm, 1 x 2 teeth, 2 point fixation, 1.0mm separated
- Colibri style shafts
- Standard handle, length 84.0mm
- Slightly curved shafts

Provides secure counter traction of globe during astigmatic keratotomy.

DK Double Fixation Colibri Forceps

2-170

- 0.12mm, 1 x 2 teeth, 2 point fixation, 1.0mm separated
- Colibri style shafts
- Standard handle, length 84.0mm

Hofmann Polack Fixation Forceps (with lock)

2-172

- 0.12mm, 1 x 2 teeth, 2 point fixation, 1.6mm separated
- Slightly curved shafts
- Round cross action handle, with lock, length 125.0mm
DK Corneal Button / Transplant Forceps (with lock)

2-175

- Pierse 0.25mm notched tip, 2 point fixation, 7.0mm separated
- Slightly curved shafts
- Reverse standard cross action handle, with lock, length 108.0mm

DK Hofmann Polack Fixation Forceps (with lock)

2-176

- Pierse 0.3mm notched tip, 2 point fixation, 1.6mm separated
- Slightly curved shafts
- Round cross action handle, with lock, length 125.0mm

Fish Globe Stabilization Forceps

2-178

- Pierse 0.25mm notched tip, x 2 point fixation, 7.0mm separated
- Curved shafts
- Standard handles, length 88.0mm

*Designed to be used as an adjunct with topical anaesthesia during creation of self sealing incision and during capsulorhexis. Dual recessed notches are designed to be used on conjunctiva since there is little bare sclera exposed on limbal corneal tunnels or clear corneal tunnels.*

DK Pierse Notched Cross Action Forceps

2-180

- Pierse 0.25mm notched tip, length 2.0mm
- 20° angled shafts, tying platforms, 10.0mm
- Miniature cross action Colibri style shafts
- Round cross action handle, length 127.0mm

Barrett Corneal Forceps

2-181

- Pierse 0.25mm notched tip, length 2.0mm
- 20° angled shafts, plain tips without tying platforms
- Swan neck style shafts
- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

*Pierse notched tip, rather than teeth provide atraumatic fixation. Angulation of slim swan neck style of jaws assists suture tying in conjunction with Barrett needle holder (3-245).*
Maumenee Corneal Forceps

2-185

- 0.12mm, 1 x 2 Teeth, Tip Length 2.0mm
- 20° angled shafts, tying platforms, 10.0mm
- Miniature cross action Colibri style shafts
- Round Cross Action Handle, Length 127.0mm

Anis Corneal Forceps

2-197

- 0.12mm, 1 x 2 teeth, Pierse 0.15mm notched, tip length 14.0mm
- Straight shafts
- Anis round cross action handle, length 115.0mm

Long holding blades with delicate teeth. Pierse notched tip prevents tissue crushing.

Yalon Mini Fixation Forceps (with lock)

2-244

- 0.12mm teeth, 3.0mm separated
- Straight shafts
- miniature handle with lock, length 70.0mm

Teeth assist in fixation of conjunctival or scleral flaps. Serves as an extra hand during surgery. Assist with creating a scleral tunnel in deep set eyes; fixing conjunctival flap and pulling inferiorly brings tunnel forward. Assists in manipulating scleral flap in trabeculectomy with phacoemulsification procedures.

Bores Corneal Fixation Forceps

2-248, 2-253*

- 0.12mm, 1 x 2 teeth, 2 point fixation, 3.0mm separated
- 37° angled shafts
- Standard long handle, length 109.0mm

*(0.12mm, 1 x 2 teeth, 2 point fixation, 3.0mm separated, locking version style, standard long handle, specify 2-253)

Bores Corneal Fixation Forceps

2-249

- 0.12mm, 1 x 2 teeth, 2 point fixation, 3.0mm separated
- Straight shafts
- Standard long handle, length 109.0mm
Kremer Fixation Forceps

2-250, 2-255*

- 0.12mm, 1 x 2 teeth, 2 point fixation, 13.0mm separated
- 37° angled shafts
- Standard long handle, length 115.0mm

*(0.12mm, 1 x 2 teeth, 2 point fixation, 13.0mm separated, locking version style, standard long handle, specify 2-255)

Kremer Fixation Forceps

2-251, 2-254*

- 0.12mm, 1 x 2 teeth, 2 point fixation, 13.0mm separated
- Straight shafts
- Standard long handle, length 115.0mm

*(0.12mm, 1 x 2 teeth, 2 point fixation, 13.0mm separated, locking version style, standard long handle, specify 2-254)

Anis Bores Fixation Forceps

2-257

- 0.12mm, 1 x 2 teeth, 2 point fixation, 8.0mm separated
- Straight shafts
- Anis round cross action handle, length 118.0mm

Two point globe fixation during cataract or glaucoma procedures.

Rabkin Flap Fixation Forceps

2-515

- 1.0mm notched with two rows of serrations (teeth) 1.0mm apart
- Straight shafts
- Non-reflective finish
- Standard long handle, length 124.0mm

Utilised in lifting a skin orbicularis muscle flap in carbon dioxide laser lid blepharoplasty.
Flap Lifting/Utility (Also refer to section Forceps - Tissue, Dressing, Utility)

Stein Utility / Flap Lifting Forceps

2-795

- Small flat ring tips
- 45° angled shafts, tip to angle length 3.5mm
- Standard handle, length 84.0mm

Designed with shortened, small flat ring tips for removal of contact lens at slit lamp biomicroscope. Useful contact lens removal following PRK and other refractive surgical procedures.

DK Stein Flap Lifting / Utility Forceps

2-798

- Inner Tip Surfaces Are Textured
- Small flat ring tips, inner tip surfaces lightly textured
- 25° angled shafts, tip to angle length 3.5mm
- Standard handle, length 85.0mm

Foreign Body

Osher Foreign Body Forceps

2-904

- Plain tips without tying platforms
- 30° angled shafts, tip to angle length 10.0mm
- Standard long handle, length 109.5mm

Point contact generates maximum force for grasping any fine particulate, lint, pigment, etc.

Haptic

Osher Haptic Forceps

2-768

- Pierse 0.15mm notched, 4.5mm tying platforms
- 45° angled shafts, tip to angle length 5.0mm
- Standard long handle, anodised gold, length 109.5mm

Ideal for picking up IOL by haptic without damaging.
**FORCEPS (ICL, Incision Spreading)**

**ICL**

*Deitz ICL™ Loading Forceps*

2-770

- Inside jaws textured, 4.0mm tip to angle
- 20° angled shafts, tip to angle length 14.0mm

Extra delicate, long jaws for inserting ICL into barrel of Injector Cartridge.

**Incision Spreading (Also refer to section Incision Spreading)**

*Osher Incision Spreading Forceps*

2-166

- 0.12mm teeth, 3 teeth on one side of tip, other side of tip lightly textured finish
- 45° angled shafts, tip to angle length 3.0mm
- Standard long handle, length 114.0mm

**Osher Incision Spreading Forceps**

2-166-1

- 0.12mm teeth, 3 x 3
- 45° angled shafts, tip to angle length 3.0mm
- Standard long handle, length 114.0mm

**Anis Incision Spreading Forceps**

2-263

- 60° angled tips, tip to angle length 0.75mm, lightly textured
- Tips spread 1.0mm
- Anis round cross action handle, length 112.0mm

Cross action, limited separation for inspection of radial or astigmatic keratotomy incisions.
Thornton Incision Spreading Forceps

2-265

- 60° angled tips, tip to angle length 0.75mm, lightly textured
- Tips spread 1.0mm
- Standard long handle, length 115.0mm

Safely spreads corneal incisions for examination to visually confirm incision characteristics. External surface of lightly textured tips assists in tissue retraction.

IOL

IOL Holding / Folding Insertion Techniques, refer to pages 214-215

Shepard IOL Forceps

2-700

- Slightly curved tips
- Standard cross action handle, length 108.0mm

DK Shepard IOL Forceps

2-700D

- Slightly curved tips
- Dolphin cross action handle, length 108.0mm

Haworth IOL Forceps

2-705

- 0.45mm x 0.3mm groove in tips
- Curved shafts
- Standard long handle, length 115.0mm

DK Loop IOL Forceps

2-710

- 90° angled slightly curved tips, tip to bend length 1.5mm
- 45° angled shafts
- Standard handle, length 84.0mm
**DK Loop IOL Forceps**

2-710D, 2-710DS*

- 90° angled slightly curved tips, tip to bend length 1.5mm
- 45° angled shafts
- Dolphin handle, length 90.0mm

*(90° angled slightly curved tips, tip to bend length 1.5mm, dolphin short handle, length 80.0mm, specify 2-710DS)*

**Kratz IOL Forceps**

2-720

- Slightly Curved Tips
- Standard cross action handle, length 108.0mm

**DK Kratz IOL Forceps**

2-720D

- Slightly curved tips
- Dolphin cross action handle, length 108.0mm

**Buratto DK IOL Folding Forceps**

2-722

- 45° angled shafts, tip to angle length 11.5mm
- Stops in Handle Design Prevent “Over Folding”
- Long handle, length 109.0mm

*Designed for folding acrylic IOLs. Orientation mark for proper load location. Conducive for upward folding. Handle style assures secure grasp.*

**Thornton IOL Forceps**

2-725

- 6.0mm platforms
- 45° angled shafts, tip to angle length 11.0mm
- Standard cross action handle, length 102.0mm

*Angled jaws in vertical plane facilitate IOL insertion.*
**Sinskey IOL Forceps**

2-728

- Two 0.25mm diameter notches, upper jaw
- 45° angled shafts, tip to angle length 9.0mm
- Standard cross action handle, length 101.0mm

**Bloomberg IOL Forceps (model I)**

2-730

- 0.3mm notched, lower jaw
- Slightly curved shafts
- Standard cross action handle, length 110.0mm

For inserting either rigid or flexible posterior and anterior chamber IOLs.

**Bloomberg IOL Forceps (model I)**

2-730D

- 0.3mm notched, lower jaw
- Slightly curved shafts
- Dolphin cross action handle, length 110.0mm

**Bloomberg IOL Forceps (model II)**

2-732

- 0.25mm notched, upper and lower jaws
- Slightly curved shafts
- Standard cross action handle, length 110.0mm

For inserting one piece PMMA as well as three piece posterior and anterior chamber IOLs.

**Bloomberg IOL Forceps (model II)**

2-732D

- 0.25mm notched, upper and lower jaws
- Slightly curved shafts
- Dolphin cross action handle, length 110.0mm
Barrett IOL Forceps, 2-745

- 2.0mm smooth curved tips
- Slightly curved shafts

- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

Low profile tips grasp optic of lens securely. Curvature of jaws designed to facilitate insertion and placement of IOL into capsular bag.

Barrett IOL Forceps (model II), 2-747

- 5.0mm triangular jaws with trough to fold IOL
- Straight shafts

- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

DK IOL Notched Tip Forceps, 2-740

- 0.15mm notched, upper and lower jaws
- 45° angled shafts, tip to angle length 10.0mm
- Round cross action handle, length 114.0mm

Buratto DK IOL Insertion Forceps (with lock), 2-741

- Biconvex jaw design
- 10° angled shafts, tip to angle length 7.5mm
- Long handle with lock, length 111.0mm

Designed for inserting acrylic IOLs. Highly polished inner jaw surface protects lens from scratching.

Anis IOL Forceps, 2-742

- 3.0mm smooth curved tips
- Straight shafts
- Anis round cross action handle, length 114.0mm

Horizontal bar of holding blades is slightly curved to conform to IOL optic convexity for firm grasp during implantation of PMMA IOLs.

DK IOL Notched Tip Forceps, 2-740

- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

- 2.0mm smooth curved tips
- Slightly curved shafts

- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

Low profile tips grasp optic of lens securely. Curvature of jaws designed to facilitate insertion and placement of IOL into capsular bag.

Barrett IOL Forceps (model II), 2-747
Barrett IOL Holding / Insertion Forceps (model II)

2-748

- 10.0mm curved jaws
- 30° angled shafts, tip to angle length 15.0mm
- Barrett balanced set handle, length 119.0mm
- Distinctive identification labelling

Clayman IOL Forceps

2-750

- 1.0mm tips, tip to curve
- Slightly curved shafts
- Standard cross action handle, length 108.0mm

DK Clayman IOL Forceps

2-750D

- 1.0mm tips, tip to curve
- Slightly curved shafts
- Dolphin cross action handle, length 108.0mm

Osher IOL Forceps

2-752

- 3.0mm curved tips
- Slightly angled curvilinear shafts
- Standard cross action handle, length 102.0mm

DK Osher IOL Forceps

2-752D

- 3.0mm curved tips
- Slightly angled curvilinear shafts
- Dolphin cross action handle, length 102.0mm
**FORCEPS (IOL Continued)**

**Kudo Lens Insertion Forceps (veterinary use)**

*2-753V*

- For veterinary use
- 1.0mm diameter round at tip
- Biconvex jaw design
- Highly polished inner jaw surface
- Standard long handle, length 115.0mm

**DK IOL Forceps**

*2-755*

- 20° angled shafts, tip to angle length 2.0mm
- Tying platforms 10.0mm
- Round cross action handle, length 127.0mm

**Pearce IOL Forceps**

*2-758*

- Inserted tip design to prevent optic damage
- 0.2mm notched tip for inserting trailing haptic
- Biconvex jaw design
- Designed for PMMA type lenses
- Standard handle, length 86.0mm

**Mackool Micro Forceps III IOL / Nucleus Cracker Forceps**

*2-763*

- 30° angled shafts, tip to angle length 12.0mm
- Standard cross action handle, length 102.0mm

*Direct acting. Tapered tips allow easy entry, and can be opened to 5.0mm for easy release of Acrylic IOLs. Hinge rests in wound opening during IOL insertion, allowing maximum opening when releasing IOL. Opening of blades is, therefore, not limited by small wound size. Serves dual purpose as an efficient nucleus cracker. Highly polished inner jaw surface protects from scratching.*

**Osher IOL Folding Forceps**

*2-771*

- 45° angled shafts, tip to angle length 12.0mm
- Stops in handle design prevent "over folding"
- Standard long handle, length 110.0mm

*Designed for folding silicone IOLs. Orientation mark for proper load location. Conductive for upward folding. Handle style assures secure grasp.*
FORCEPS (IOL Continued)

DK Lens Folding Forceps

2-771DL

- 45° angled shafts, tip to angle length 12.0mm
- Dolphin long handle, length 116.0mm

Designed for folding acrylic IOLs. Orientation mark for proper load location. Conducive for upward folding. Handle style assures secure grasp.

Osher IOL Folding Forceps

2-773

- 45° angled shafts, tip to angle length 8.0mm
- Stops in handle design prevent “over folding”
- Long handle, length 108.0mm

Designed for folding Acrylic IOLs. Orientation mark for proper load location. Conducive for upward folding. Handle style assures secure grasp. Used in conjunction with 2-784 Osher IOL Insertion Forceps and 6-785 Osher IOL Folding Platform.

DK IOL Folding Forceps

2-774-1

- Paddle style jaws
- Stops in handle design prevent “over folding”
- Standard long handle, length 110.0mm

Conducive for upward folding. Highly polished inner jaw surface protects from scratching. Designed specifically for AcrySof® approved by Alcon.

DK IOL Folding Forceps

2-775

- 4.0mm jaw length
- 20° angled shafts, tip to angle length 13.0mm
- Standard cross action handle, length 118.0mm

DK IOL Folding / Insertion Forceps

2-777

- 20° angled shafts, tip to angle length 10.0mm
- Upper tip 0.4mm, lower tip 0.2mm, highly polished
- Standard handle, length 85.0mm
Barrett IOL Folding Forceps

2-778

- Triangular jaws with trough to fold IOL
- 20° angled shafts, tip to angle length 10.0mm
- Standard cross action handle, length 104.0mm

Barrett IOL Folding Forceps (model II)

2-778BT

- Triangular jaws with trough to fold IOL
- 20° angled shafts, tip to angle length 10.0mm
- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

Grooved jaws hold optic securely during folding. Low profile facilitates adequate purchase of folded optic with 2-781BT Barrett IOL holding / insertion forceps. Barrett balanced set handle allows closure as well as rotation by finger control. May be used with latest hydrovieu™, acrylic and silicone lenses.

Barrett IOL Folding Forceps (model I)

2-779

- Triangular jaws with trough to fold IOL
- Straight shafts
- Standard cross action handle, length 103.0mm

Foldable IOL is initially folded with Barrett folding (2-779 or 2-747) held and inserted with Barrett lens holding / insertion forceps (2-780 or 2-748). Instrument's fine, low profile jaws minimize incision size, as well as provide controlled release of implant into capsular bag. May be used with latest hydrovieu™, acrylic and silicone lenses.

Barrett IOL holding / Insertion Forceps (model I)

2-780

- 10.0mm highly curved jaws
- 30° angled shafts, tip to angle length 15.0mm
- Reverse standard cross action handle, length 115.0mm

Reverse action holds optic securely during insertion process then releases by closure of handle in a controlled fashion. Barrett balanced set handle allows closure as well as rotation by finger control. Both actions are required during insertion of a foldable lens and can be accomplished by this Handle with greater control by reducing wrist and arm movement. Fine curved jaws of forceps are easy to introduce and minimize wound size required for insertion. May be used with hydrovieu™, acrylic, and silicone lenses.
Barrett IOL Holding / Insertion Forceps (model II)

2-781

- 10.0mm curved jaws
- 30° angled shafts, tip to angle length 15.0mm
- Reverse standard cross action handle, length 115.0mm

Barrett IOL Holding / Insertion Forceps (model II)

2-781BT

- 10.0mm curved jaws
- 30° angled shafts, tip to angle length 15.0mm
- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

Osher IOL Insertion Forceps

2-782

- Biconvex jaw design
- 30° angled shafts, tip to angle length 11.5mm
- Standard long handle, length 113.5mm

Designed for inserting silicone IOLs. Hold forceps like a pen and insert IOL by simple supination of wrist.

DK IOL Insertion Forceps

2-782DL

- Biconvex jaw design
- 30° angled shafts, tip to angle length 11.5mm
- Dolphin long handle, length 118.5mm

Designed for inserting acrylic IOLs.

Osher IOL Insertion Forceps

2-784

- 45° side angled shafts, tip to angle length 8.5mm
- Round cross action handle, length 120.0mm

Used in conjunction with 2-773 Osher IOL folding forceps and 6-785 Osher IOL Folding Platform.
**Osher IOL Folding Platform**

**6-785**

- Lower level post facilitates pick up with folding forceps
- Twin mushroom posts initiate lens folding

*Used in conjunction with 2-773 Osher IOL folding forceps and 2-784 Osher IOL Insertion Forceps.*

---

**Little IOL Insertion Forceps**

**2-786**

- Highly polished tips
- Special tip design allows haptic to be secured for implantation
- 45° angled shafts, tip to angle length 10.0mm
- Round handle, length 112.5mm

*Notch in jaw securely holds inferior optic. Highly polished inner jaw surface protects from scratching. Lens is folded haptic-to-haptic. End of trailing haptic is inserted into notch in right jaw of forceps. Lens is rotated 90°, haptics are directed posteriorly and located in capsular bag. As forceps open, IOL is released and captive haptic unfolds into capsular bag with other haptic and IOL self-delivers. Technique facilitates insertion of trailing haptic and avoids need for any additional instrumentation. Designed for use with Acrylic IOLs.*

---

**Little IOL Insertion Forceps**

**2-786-1**

- Lightly textured inner tips
- Special tip design allows haptic to be secured for implantation

*Designed for inserting silicone lenses.*

---

**DK IOL Insertion Forceps**

**2-792, 2-792-1*, 2-792-2*, 2-792-3***

- Biconvex jaw design
- 40° angled shafts, tip to angle length 7.5mm
- Standard long handle, length 110.0mm

* (5° angled shafts, standard long handle, length 111.0mm, specify 2-792-1)
* (5° angled shafts, Nordan round handle, length 113.0mm, specify 2-792-2)
* (5° angled shafts, 0.5mm gap when tip closed, Nordan round handle, length 113.0mm, specify 2-792-3)

*Highly polished inner jaw surface protects lens from scratching.*

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**DK IOL Forceps**

**DK7740, DK7740-1**

- Biconvex jaw design
- 45° angled shafts, tip to angle length 7.0mm
- Standard long handle, length 108.5mm

*Textured inner jaw surface, standard long handle, length 110.0mm, specify DK7740-1*

Highly polished inner jaw surface protects lens from scratching. Designed specifically for AcrySof approved by Alcon.

**DK IOL Insertion Forceps**

**DK7741**

- Biconvex jaw design
- 45° angled shafts, tip to angle length 11.5mm
- Stops in handle design prevent “over folding”
- Long handle, length 110.0mm

Orientation mark for proper load location. Conductive for upward folding. Handle style assures secure grasp. Designed specifically for AcrySof approved by Alcon.

**DK IOL Folding Forceps**

**DK7722**

- 45° angled shafts, tip to angle length 11.5mm

Highly polished inner jaw surface protects from scratching. Designed specifically for AcrySof approved by Alcon.
**FORCEPS (IOL Continued, Iris Retractor, Muscle, Superior Rectus)**

**Costin IOL Insertion Forceps**

DK7750

- Biconvex jaw design
- 40° angled shafts, tip to angle length 11.5mm
- Long handle, length 110.0mm

Special tip design allows haptic to be secured. Highly polished inner jaw surface protects from scratching. Handle style assures secure grasp, avoids over compression. Designed specifically for AcrySof approved by Alcon.

**Iris Retractor (Also Refer to Section Retractors - Iris)**

*Mackool Iris Retractor Forceps*

2-830

- 2.0mm square tip to fixate 6-130 Mackool iris retractor
- 30° angled shafts, tip to angle length 10.0mm
- Standard long handle, length 115.0mm

Reliably fixates 6-130 Mackool iris retractor.

**Muscle, Superior Rectus**

*Troutman Superior Rectus Forceps*

2-160, 2-160-1*

- 0.5mm, 1 x 2 teeth
- 45° angled shafts, tip to angle length 10.0mm
- Standard long handle, length 111.0mm

*(0.5mm, 1 x 2 teeth, straight shaft, standard long handle, length 114.0mm, specify 2-160-1)*

**Barrett Rectus Fixation Forceps**

2-183

- 1.15mm notched tip with 0.25mm slot for suture passage
- 20° angled shafts, tip to angle length 4.0mm
- Colibri style shafts

- Barrett balanced set handle, length 122.0mm
- Distinctive identification labelling

Designed as a rectus and general fixation forceps to hold globe securely, atraumatic. Large cusp avoids need for toothed forceps and notched tip facilitates passage of fixation suture beneath forceps.
**FORCEPS (Notched)**

**Notched**

*Colibri Style Pierse Notched Forceps (Refer to Section Colibri, Pierse Notched Forceps)*

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**DK Pierse Notched Forceps**

2-100, 2-100-1*

- Pierse 0.25mm notched, 6.0mm tying platforms
- Straight shafts
- Standard handle, length 85.0mm

*(Pierse 0.3mm notched, 6.0mm tying platforms, standard handle, length 85.0mm, specify 2-100-1)*

**DK Pierse Notched Forceps**

2-100D, 2-100DS*

- Pierse 0.25mm notched, 6.0mm tying platforms
- Straight shafts
- Dolphin handle, length 95.0mm

*(Pierse 0.25mm notched, 6.0mm tying platforms, dolphin short handle, length 85.0mm, specify 2-100DS)*

**DK Pierse Notched Forceps**

2-101

- Pierse 0.25mm notched, 6.0mm tying platforms
- Curved shafts
- Standard handle, length 83.5mm

**DK Pierse Notched Forceps**

2-101D, 2-101DS*

- Pierse 0.25mm notched, 6.0mm tying platforms
- Curved shafts
- Dolphin handle, length 93.5mm

*(Pierse 0.25mm notched, 6.0mm tying platforms, dolphin short handle, length 83.5mm, specify 2-101DS)*

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**DK Pierse Notched Forceps**

2-103

- Pierse 0.25mm notched, 6.0mm tying platforms
- Curved shafts
- Standard long handle, length 113.5mm

2-104

- Pierse 0.25mm notched, 6.0mm tying platforms
- Straight shafts
- Standard long handle, length 115.0mm

**Pearce Pierse Style Notched Angled Forceps**

2-105, 2-105D*

- Pierse 0.25mm notched
- 30° side angled shafts, tip to angle length 12.5mm
- Standard handle, length 83.0mm

*(Pierse 0.25mm notched, Dolphin handle, length 93.0mm, specify 2-105D).

**Rabkin Notched Skin Forceps**

2-106

- 0.7mm notched, 6.0mm tying platforms
- Straight shafts
- Standard long handle, length 115.0mm

Atraumatic skin handling forceps utilized in carbon dioxide laser blepharoplasty to minimize bleeding and ecchymosis.

**DK Pierse Notched Cross Action Forceps**

2-180

- Pierse 0.25mm notched, tip length 2.0mm
- 20° angled shafts, tying platforms, 10.0mm
- Miniature cross action Colibri style shafts
- Round cross action handle, length 127.0mm
Nordan Pierse Notched Forceps

2-400

- Pierse 0.25mm notched, 6.0mm tying platforms
- Straight shafts
- Nordan round handle with flats, length 111.0mm

Nordan Pierse Notched Forceps

2-430

- Pierse 0.25mm notched, 6.0mm tying platforms
- Curved shafts
- Nordan round handle with flats, length 109.0mm

O’Gawa Notched Suturing / Tying Forceps

2-432

- Pierse 0.3mm notched, 6.0mm tying platforms
- Curved shafts
- O’Gawa round handle, length 109.0mm

Round O’Gawa handle design allows comfortable control of instrument tip and jaw position by merely a roll of the handle, minimizing wrist and arm movement.

Nucleus Cracking and PreChop

Mackool Micro Forceps III IOL / Nucleus Cracker Forceps

2-763

- 30° angled shafts, tip to angle length 12.0mm
- Standard cross action handle, length 102.0mm

Direct acting. Tapered tips allows easy entry, and can be opened to 5.0mm for easy release of Acrylic IOLs. Hinge rests in wound opening during IOL insertion, allowing maximum opening when releasing IOL. Opening of blades is, therefore, not limited by small wound size. Serves dual purpose as an efficient nucleus cracker. Highly polished inner jaw surface protects from scratching.
DK Nucleus Removal Forceps (serrated tip)

2-796, 2-796-1*

- 4.0mm serrated tips
- 30° angled shafts, tip to angle length 14.0mm
- Standard handle, length 111.0mm

*(4.0mm serrated tips, straight shafts, standard handle, length 113.0mm, specify 2-796-1)
For manual removal of nucleus. May be used in conjunction with Akahoshi pre-chop forceps.

DK Nucleus Removal Forceps (serrated tip)

2-797, 2-797-1*

- 4.0mm serrated tips
- 30° angled shafts, tip to angle length 14.0mm
- Standard handle, length 82.5mm

*(4.0mm serrated tips, straight shafts, standard handle, length 85.0mm, specify 2-797-1)

Brown Nucleus Cracker

2-800

- 1.5mm x 1.2mm paddle style tips
- Straight shafts
- Standard cross action handle, length 98.0mm

Allows cracking with minimal loss of viscoelastic, thereby, maintains anterior chamber depth and prevents peripheral extension of capsulorhexis. Accomplished with a design that keeps cross point of instrument in wound, blocking outflow of viscoelastic.

Brown Nucleus Cracker

2-802

- 1.1mm x 1.2mm paddle style tips
- 30° angled shafts, tip to angle length 14.5mm
- Standard cross action handle, length 98.0mm
**FORCEPS** (Nucleus Cracking and PreChop Continued)

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**Denman Brown Nucleus Cracker**

2-803

- 1.1mm x 1.2mm paddle style tips
- 30° angled shafts, tip to angle length 14.5mm
- Standard cross action handle, length 98.0mm

**Kudo Akahoshi PreChop Forceps (veterinary use)**

2-813V

- For veterinary use
- Smooth pointed tips open to 3.0mm

**Akahoshi PreChop Forceps (temporal approach)**

2-815

- Smooth pointed tips open to 3.0mm
- Straight shafts, cross action
- Round handle, length 119.0mm

Divides nucleus for phacoemulsification. Nuclear division is attained without grooving. Nuclei of any hardness can be pre-chopped with pre-chop forceps and nucleus sustainer. Phaco of pre-chopped nuclear fragments is rapid. Risk of rupturing posterior capsule during grooving is diminished. Shortened ultrasound time and minimal movement of phaco tip minimizes wound damage and contributes to self sealing wound. Ultrasound time can be reduced to half of conventional grooving method.

**Akahoshi PreChop Forceps (temporal approach)**

2-815-2

- Smooth pointed tips open to 3.0mm
- Flattened points in vertical plane
- Straight shafts, cross action
- Round handle, length 119.0mm

**Akahoshi PreChop Forceps (12 o'clock approach)**

2-816

- Smooth pointed tips open to 3.0mm
- 45° cross action angled shafts, tip to angle length 12.0mm
- Round handle, length 115.0mm

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**FORCEPS** (Nucleus Cracking and PreChop Continued, Plain Tip)

*Akahoshi PreChop Forceps (12 o'clock approach)*

2-816-1

- Smooth pointed tips open to 3.0mm
- Cross action curved shafts, tip to angle length 12.0mm
- Round handle, length 115.0mm

*Akahoshi PreChop Forceps (12 o'clock approach)*

2-816-2

- Smooth pointed tips open to 3.0mm
- Flattened points in vertical plane
- Straight shafts, cross action
- Round handle, length 115.0mm

*DK Nucleus Grasping Forceps*

2-895

- 4.5mm serrated jaws
- Squeeze action activates both jaws
- 17 gauge, 36.0mm long shaft
- Round squeeze handle, length 160.0mm

**Plain Tip**

*Colibri Style Plain Tip Forceps* (Refer to Section Capsule, Capsulorhexis and Colibri, Plain Tip Forceps)

2-205  2-910  2-910D  2-910DS  2-955

*O’Gawa Plain Tip Forceps*

2-523

- Plain tips without tying platforms
- 45° angled shafts, tip to angle length 10.0mm
- O’Gawa round handle, length 108.0mm

*DK Plain Tip Forceps*

2-900

- Plain tips without tying platforms
- Straight shafts
- Standard handle, length 85.0mm
**FORCEPS** (Plain Tip Continued, Retinal)

**DK Plain Tip Forceps**

2-900D, 2-900DS*

- Plain tips without tying platforms
- Straight shafts
- Dolphin handle, length 95.0mm

*(Plain tips without tying platforms, dolphin short handle, length 85.0mm, specify 2-900DS)

**DK Plain Tip Forceps**

2-901

- Curved plain tips without tying platforms
- Curved shafts
- Standard handle, length 83.5mm

**DK Plain Tip Forceps**

2-901D, 2-901DS*

- Curved plain tips without tying platforms
- Straight shafts
- Dolphin handle, length 95.5mm

*(Curved plain tips without tying platforms, dolphin short handle, length 83.5mm, specify 2-901DS)

**Retinal**

**DK Retinal Forceps**

2-850

- 1.0mm smooth tips
- Squeeze action activates forceps lower jaw

**DK Retinal Forceps**

2-851

- 3.5mm smooth tips
- Squeeze action activates forceps lower jaw

- 20 gauge, 35.0mm long shaft
- Round squeeze handle, length 158.0mm
**FORCEPS (Retinal Continued)**

**DK Retinal Forceps**

2-860

- 2.0mm smooth pointed tips
- Squeeze action activates forceps upper jaw
- 20 gauge, 31.0mm long shaft
- Round squeeze handle, length 158.0mm

**DK Retinal Forceps**

2-866

- 2.5mm smooth rounded tips
- Squeeze action activates both jaws
- 20 gauge, 33.0mm long shaft
- Round squeeze handle, length 158.0mm

**DK Retinal Forceps**

2-868

- 2.0mm smooth rounded tips
- Squeeze action activates both jaws
- 20 gauge, 33.0mm long shaft
- Round squeeze handle, length 158.0mm

**DK Retinal Forceps**

2-870

- 3.0mm smooth platforms, 0.13mm rounded tips
- Squeeze action activates both jaws
- 20 gauge, 33.0mm long shaft
- Round squeeze handle, length 158.0mm

**DK Retinal Forceps**

2-870-1

- 3.0mm smooth platforms, 0.3mm rounded tips
- Squeeze action activates both jaws
- 20 gauge, 33.0mm long shaft
- Round squeeze handle, length 158.0mm
**FORCEPS** (Retinal Continued)

**DK Retinal Forceps**

2-874

- 2.5mm cusp style jaws, rounded tips
- Squeeze action activates both jaws
- 20 gauge, 33.0mm long shaft
- Round squeeze handle, length 158.0mm

**DK Retinal Forceps**

2-876

- 2.5mm cusp style jaws, pointed tips
- Squeeze action activates both jaws
- 20 gauge, 33.0mm long shaft
- Round squeeze handle, length 158.0mm

**DK Retinal Forceps**

2-880

- 2.0mm jaws, 0.7 platforms, 0.6mm rounded tips
- Squeeze action activates both jaws
- 20 gauge, 33.0mm long shaft
- Round squeeze handle, length 158.0mm

**DK Retinal Forceps**

2-882

- 2.5mm jaws, 0.7 platforms, 90° pointed tips
- Squeeze action activates both jaws
- 20 gauge, 33.0mm long shaft
- Round squeeze handle, length 158.0mm

**Rassam Curved Vitreoretinal Forceps**

2-884

- 4.0mm x 1.8mm gently curved tips, 55° angled tips
- Squeeze action activates both jaws
- 20 gauge, 35.0mm long shaft
- Round squeeze handle, length 160.0mm

Used to remove membranes from macula (angled tips protect delicate tissue) and pick peripheral retinal membranes. Surface area of tips facilitates grasping membranes.
**FORCEPS (Retinal Continued, Suturing)**

**Rassam Membrane Picking Forceps**

2-885

- 2.0mm jaws, 0.7mm platforms, 55° angled pointed picking tips
- Squeeze action activates both jaws
- Standard handle, length 85.0mm

*Designed to pick epiretinal membranes in one manoeuvre. Platform tips provide firm grasp on edge of membranes during peeling.*

**Suturing**

**DK Bonn Suturing Forceps**

2-110, 2-110-1*, 2-110-2*

- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
- Straight shafts
- Standard handle, length 85.0mm

*(0.1mm, 1 x 2 teeth, 6.0mm tying platforms, specify 2-110-1)
*(0.2mm, 1 x 2 teeth, 6.0mm tying platforms, specify 2-110-2)

**DK Bonn Suturing Forceps**

2-110D, 2-110DL*, 2-110DS*

- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
- Straight shafts
- Dolphin handle, length 95.0mm

*(Dolphin long handle, length 115.0mm, specify 2-110DL)
*(Dolphin short handle, length 85.0mm, specify 2-110DS)

**DK Bonn Suturing Forceps**

2-111

- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
- Curved shafts
- Standard handle, length 83.5mm
**FORCEPS (Suturing Continued)**

**Osher Castroviejo Suturing Forceps**
- Standard long handle, length 115.0mm
- Straight shafts
- Flat face on toothed tip
- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms

**DK Castroviejo Suturing Forceps**
- Standard long handle, length 113.5mm
- Curved shafts
- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms

*(Dolphin short handle, length 83.5mm, specify 2-111DS)*

**DK Bonn Suturing Forceps**
- 2-111D, 2-111DS*
- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
- Curved shafts
- Dolphin handle, length 93.5mm

**DK Bonn Suturing Forceps**
- 2-112DL
- 0.2mm, 1 x 2 teeth, 6.0mm tying platforms
- Straight shafts
- Dolphin long handle, length 120.0mm

**Castroviejo Suturing Forceps**
- 2-113
- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
- Curved shafts
- Standard long handle, length 113.5mm

**Castroviejo Suturing Forceps**
- 2-114
- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
- Straight shafts
- Standard long handle, length 115.0mm

**Osher Castroviejo Suturing Forceps**
- 2-114-1
- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
- Flat face on toothed tip
- Straight shafts
- Standard long handle, length 115.0mm
Osher Castroviejo Suturing Forceps

2-114-2

- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
- Straight delicate shafts
- Standard long handle, length 115.0mm

Thornton Microfixation Forceps

2-115

- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
- 23° angled shafts, tip to angle length 2.0mm
- Standard long handle, length 115.0mm

Slightly angled tips provide easy visualization at point of grasping.

Castroviejo Suturing Forceps

2-116

- 0.3mm, 1 x 2 teeth, 6.0mm tying platforms
- Straight shafts
- Standard long handle, length 115.0mm

Osher Castroviejo Suturing Forceps

2-116-2

- 0.3mm, 1 x 2 teeth, 6.0mm tying platforms
- Straight delicate shafts
- Standard long handle, length 115.0mm

Castroviejo Suturing Forceps

2-117

- 0.5mm, 1 x 2 teeth, 6.0mm tying platforms
- Straight shafts
- Standard long handle, length 115.0mm
DK Castroviejo Suturing Forceps

2-117-1

- 0.5mm, 1 x 2 teeth, 6.0mm tying platforms
- Curved shafts
- Standard long handle, length 114.0mm

DK Bonn Suturing Forceps

2-118

- 0.3mm, 1 x 2 teeth, 6.0mm tying platforms
- Straight shafts
- Standard handle, length 85.0mm

DK Bonn Suturing Forceps

2-118D, 2-118DS*

- 0.3mm, 1 x 2 teeth, 6.0mm tying platforms
- Straight shafts
- Dolphin handle, length 95.0mm

*(Dolphin short handle, length 85.0mm, specify 2-118DS)

DK Kelman McPherson Suturing Forceps

2-142

- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
- 45° angled shafts, tip to angle length 7.0mm
- Standard handle, length 83.0mm

DK Kelman McPherson Suturing Forceps

2-142D, 2-142DS*

- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
- 45° angled shafts, tip to angle length 7.0mm
- Dolphin handle, length 93.0mm

*(Dolphin short handle, length 83.0mm, specify 2-142DS)
**Kelma McPherson Suturing Forceps**

2-144, 2-144-1\*  
- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms  
- 45° angled shafts, tip to angle length 10.0mm  
- Standard handle, length 82.0mm  
*(0.1mm, 1 x 2 teeth, 6.0mm tying platforms, standard handle, length 82.0mm, specify 2-144-1)*

**DK Kelman McPherson Suturing Forceps**

2-144D, 2-144DS\*  
- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms  
- 45° angled shafts, tip to angle length 10.0mm  
- Dolphin handle, length 92.0mm  
*(Dolphin short handle, length 82.0mm, specify 2-144DS)*

**DK Kelman McPherson Suturing Forceps**

2-148  
- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms  
- 45° angled shafts, tip to angle length 10.0mm  
- Standard handle, length 112.0mm

**DK Kelman McPherson Suturing Forceps**

2-157  
- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms  
- 45° angled shafts, tip to angle length 7.0mm  
- Standard long handle, length 113.0mm

**Nordan Suturing Forceps**

2-415  
- 0.12mm, 1 x 2 teeth, 6.0mm tying platforms  
- Straight shafts  
- Nordan round handle with flats, length 111.0mm
O’Gawa round handle design allows comfortable control of instrument tip and jaw position by merely a roll of the handle, minimizing wrist and arm movement.

O’Gawa Suturing / Tying Forceps

2-427

• 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
• Curved shafts
• O’Gawa round handle, length 109.0mm

2-427-2

• 0.12mm, 2 x 2 teeth, 6.0mm tying platforms
• Curved shafts
• O’Gawa round handle, length 109.0mm

ENLARGED VIEW ON ARROW

Nordan Suturing Forceps

2-425

• 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
• Curved shafts
• Nordan round handle with flats, length 109.0mm

O’Gawa Suturing / Tying Forceps

2-426

• 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
• Straight shafts
• O’Gawa round handle, length 111.0mm

ENLARGED VIEW ON ARROW

O’Gawa round handle design allows comfortable control of instrument tip and jaw position by merely a roll of the handle, minimizing wrist and arm movement.

O’Gawa Suturing / Tying Forceps

2-426-2

• 0.12mm, 2 x 2 teeth, 6.0mm tying platforms
• Straight shafts
• O’Gawa round handle, length 111.0mm

O’Gawa Suturing / Tying Forceps

2-427

• 0.12mm, 1 x 2 teeth, 6.0mm tying platforms
• Curved shafts
• O’Gawa round handle, length 109.0mm

ENLARGED VIEW ON ARROW

O’Gawa Suturing / Tying Forceps

2-427-2

• 0.12mm, 2 x 2 teeth, 6.0mm tying platforms
• Curved shafts
• O’Gawa round handle, length 109.0mm

ENLARGED VIEW ON ARROW

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O’Gawa Suturing / Tying Forceps

2-428

- 0.3mm, 1 x 2 teeth, 6.0mm tying platforms
- Straight shafts
- O’Gawa round handle, length 111.0mm

O’Gawa Suturing / Tying Forceps

2-428-2

- 0.3mm, 2 x 2 teeth, 6.0mm tying platforms
- Straight shafts
- O’Gawa round handle, length 111.0mm

Bloomberg Suturing Forceps

2-890

- 2.0mm sharp pointed tips
- Squeeze action handle activates both jaws
- Pierces through scleral tissue and assists in suturing.
- 20 gauge, 33.0mm long shaft
- Round squeeze handle, length 158.0mm

Tissue, Dressing, Utility (Also Refer to section Forceps - Flap Lifting / Utility)

Rabkin Blepharoplasty Tissue Forceps

2-108

- 0.5mm, 1 x 2 teeth, plain tips without tying platforms
- Straight shafts
- Standard long handle, length 115.0mm
- Non-reflective finish

For use in carbon dioxide laser surgery

Rabkin Blepharoplasty Tissue Forceps

2-109

- 0.3mm, 1 x 2 teeth, plain tips without tying platforms
- Straight shafts
- Standard long handle, length 115.0mm
- Non-reflective finish

For use in carbon dioxide laser surgery
DK Tissue Forceps

2-119

- 0.5mm, 1 x 2 teeth, plain tips without tying platforms
- Straight shafts
- Standard long handle, length 115.0mm

Mandelkorn Worst DK Soft Tissue Forceps

2-184DL, 2-184DL-1*

- 0.1mm x 0.35mm cusp fits inner jaw when grasping tissue
- Straight shafts
- Dolphin long handle, length 115.0mm

*(0.1mm x 0.35mm cusp, curved shafts, dolphin long handle, length 115.0mm, specify 2-184DL-1)

Moorfields Utility Forceps

2-510

- Serrated tips
- Straight shafts
- Standard long handle, length 115.0mm

Moorfields Utility Forceps

2-510-1

- Delicate serrated tips
- Straight shafts
- Standard long handle, length 115.0mm

DK Dressing Forceps

2-511

- Serrated tips
- Curved shafts
- Standard long handle, length 115.0mm
**FORCEPS (Tissue, Dressing, Utility Continued)**

**DK Dressing and Tissue Forceps, with Lock**

2-512

- Serrated tips
- Curved shafts
- Standard long handle with lock, length 115.0mm

**Stein Flap Lifting / Utility Forceps**

2-776

- 45° angled shafts, tip to angle length 7.0mm
- Highly polished jaws
- Standard handle, length 83.0mm

**Stein Flap Lifting / Utility Forceps**

2-795

- Small flat ring tips
- 45° angled shafts, tip to angle length 3.5mm
- Standard handle, length 84.0mm

Designed with shortened, small flat ring tips for removal of contact lens at slit lamp biomicroscope. Useful contact lens removal following PRK and other refractive surgical procedures.

**Stein Flap Lifting / Utility Forceps**

2-798

- Small flat ring tips, inner tip surfaces lightly textured
- 25° angled shafts, tip to angle length 3.5mm
- Standard handle, length 85.0mm
FORCPS (Tissue, Dressing, Utility Continued, Tying)

Pallikaris Worst Tissue Forceps

2-896

- 0.4x 0.5mm cusp fits inner jaw when grasping tissue
- Squeeze action handle activates both jaws

Designed for delivering ICL lens.

Tying

Colibri Style Shaft Tying Forceps (Refer to section Colibri, Tying Forceps)

2-137 2-210 2-550 2-550D 2-550DS 2-555

DK Cross Action Tying Forceps

2-190

- 6.0mm tying platforms
- 20° angled shafts, tip to angle length 8.0mm
- Round Cross Action Handle, Length 124.0mm

Barrett Tying Forceps

2-193

- 6.0mm tying platforms
- 30° angled shafts, tip to angle length 15.0mm
- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

Assists where a fine, non-toothed tying forceps is required. Forceps may be used as a second instrument to help stabilize IOL when inserting with Barrett IOL forceps (2-745).

Nordan Tying Forceps

2-410

- 6.0mm tying platforms
- Straight shafts
- Nordan round handle with flats, length 111.0mm
**FORCEPS**  (Tying Continued)

### O'Gawa Tying Forceps

**2-412**

- 6.0mm tying platforms
- Straight shafts
- O'Gawa round handle, length 111.0mm

O'Gawa round handle design allows comfortable control of instrument tip and jaw position by merely a roll of the handle, minimizing wrist and arm movement. O'Gawa tying forceps have a closure force within a narrow margin (+/- 10 grams).

### Nordan Tying Forceps

**2-420**

- 6.0mm tying platforms
- Curved shafts
- Nordan round handle with flats, length 109.0mm

### O'Gawa Tying Forceps

**2-422**

- 6.0mm tying platforms
- Curved shafts
- O'Gawa round handle, length 109.0mm

### Anis Tying Forceps

**2-450**

- 6.0mm tying platforms
- Straight shafts
- Anis round cross action handle, length 106.0mm

Cross action style prevents scissoring. Very fine tying platforms for use with 11-0 and 12-0 sutures.

### DK McPherson Tying Forceps

**2-500, 2-500-1*, 2-500-2***

- 6.0mm tying platforms
- Straight shafts
- Standard handle, length 85.0mm

*(6.0mm tying platforms, heavier tip, standard handle, length 85.0mm, specify 2-500-1)*

*(6.0mm tying platforms, more delicate tip, standard handle, length 85.0mm, specify 2-500-2)*
DK McPherson Tying Forceps

2-500D, 2-500DS*

- 6.0mm tying platforms
- Straight shafts
- Dolphin handle, length 95.0mm

*(6.0mm tying platforms, dolphin short handle, length 85.0mm, specify 2-500DS)

DK Tying Forceps

2-501, 2-501-1*

- 6.0mm tying platforms
- Curved shafts
- Standard handle, length 83.5mm

*(6.0mm tying platforms, heavier tip, standard handle, length 83.5mm, specify 2-501-1)

DK Tying Forceps

2-501D, 2-501DS*

- 6.0mm tying platforms
- Curved shafts
- Dolphin handle, length 93.5mm

*(6.0mm tying platforms, dolphin short handle, length 83.5mm, specify 2-501DS)

DK Harms Tubingen Tying Forceps

2-504

- 6.0mm tying platforms
- Straight shafts
- Standard long handle, length 115.0mm

DK Harms Tubingen Tying Forceps

2-505, 2-505-1*, 2-505-2*

- 6.0mm tying platforms
- Curved shafts
- Standard long handle, length 113.5mm

*Delicate tips, 6.0mm tying platforms, standard long handle, specify 2-505-1)
*(Extra delicate tips, 6.0mm tying platforms, standard long handle, specify 2-505-2)
**DK Kelman McPherson Tying Forceps**

2-520

- 4.0mm tying platforms
- 45° angled shafts, tip to angle length 5.0mm
- Standard handle, length 82.0mm

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**DK Kelman McPherson Tying Forceps**

2-520D, 2-520DS*

- 4.0mm tying platforms
- 45° angled shafts, tip to angle length 5.0mm
- Dolphin handle, length 92.0mm

*(4.0mm Tying Platforms Dolphin short handle, length 82.0mm, specify 2-520DS)*

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**DK Kelman McPherson Tying Forceps**

2-522

- 6.0mm tying platforms
- 45° angled shafts, tip to angle length 7.0mm
- Standard handle, length 82.0mm

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**DK Kelman McPherson Tying Forceps**

2-522D, 2-522DS*

- 6.0mm tying platforms
- 45° angled shafts, tip to angle length 7.0mm
- Dolphin handle, length 92.0mm

*(6.0mm tying platforms, dolphin short handle, length 82.0mm, specify 2-522DS)*

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**O’Gawa Kelman McPherson Tying Forceps**

2-523-1

- 10.0mm tying platforms
- 45° angled shafts, tip to angle length 10.0mm
- O’Gawa round handle, length 108.0mm
**DK Kelman McPherson Tying Forceps**

2-524

- 6.0mm tying platforms
- 45° angled shafts, tip to angle length 10.0mm
- Standard handle, length 82.0mm

2-524-1

- 10.0mm tying platforms
- 45° angled shafts, tip to angle length 10.0mm
- Standard handle, length 82.0mm

2-524D, 2-524DS*

- 6.0mm tying platforms
- 45° angled shafts, tip to angle length 10.0mm
- Dolphin handle, length 82.0mm

*(6.0mm tying platforms, dolphin short handle, length 82.0mm, specify 2-524DS)

**DK Kelman McPherson Tying Forceps**

2-525

- 4.0mm tying platforms
- 45° angled shafts, tip to angle length 5.0mm
- Standard long handle, length 112.0mm
**FORCESP** (Tying Continued)

*DK Kelman McPherson Sheets Tying Forceps*

2-526, 2-526-1*

- 6.0mm tying platforms
- 45° angled shafts, tip to angle length 12.0mm
- Standard handle, length 82mm

*(6.0mm tying platforms, standard long handle, length 110.0mm, specify 2-526-1)*

*DK Kelman McPherson Tying Forceps*

2-526D, 2-526DS*

- 6.0mm tying platforms
- 45° angled shafts, tip to angle length 12.0mm
- Dolphin handle, length 92.0mm

*(6.0mm tying platforms, dolphin short handle, length 82.0mm, specify 2-526DS)*

*DK Kelman McPherson Tying Forceps*

2-527

- 6.0mm tying platforms
- 45° angled shafts, tip to angle length 7.0mm
- Standard long handle, length 112.0mm

*DK Kelman McPherson Tying Forceps*

2-529

- 6.0mm tying platforms
- 45° angled shafts, tip to angle length 10.0mm
- Standard long handle, length 111.0mm
Fixation

ICL

IOL (Also refer to section Nucleus Rotators, Dividers, Separators)

Iris (Also refer to section Iris Reconstruction)

Muscle

PK

Suture

Fixation

DK Double Fixation Hook

6-645

- Sharp tips, 2 point fixation, 2.0mm separated
- Flat handle, length 128.0mm

ICL

Deitz ICL Slider / Tucker

6-479

- 0.75mm forked tip, lightly textured surface underside from tip to angle
- 45° angled shaft, tip to angle length 11.0mm
- Round handle, length 119.0mm

Textured manipulator to slip ICL under iris.

Pallikaris ICL Manipulator

6-481

- Textured finish
- 45° angled shaft, tip to angle length 12.0mm
- Round handle, length 121.0mm

Bylsma ICL Manipulator

6-482

- 0.6mm x 1.0mm oval shaped tips
- 45° angled curved shafts (curved left to right), tip to angle length 12.5mm
- Round handle, length 145.0mm

Designed to maximize protection of crystalline lens during ICL insertion. Curved, vaulted arms allow placement of ICL footplates through a paracentesis or keratome incision. Textured paddle provides secure grip on footplates as they are positioned under iris. Left and right configuration allows minimal changing of instruments and promotes a rapid atraumatic and reproducible tucking of ICL into its final position in posterior chamber.
**HOOKS, MANIPULATORS, ROTATORS (IOL)**

**IOL** *(Also refer to section Nucleus Rotators, Dividers, Separators)*

*Barrett Duo Nucleus Rotator / Manipulator / Splitter*

6-085, 6-085-1*

- Nucleus Splitter
  - Straight, sharp inner / outer sides of tip, tip length 1.25mm
  - Cutting Edge 90° to Axis
  - 45° angled shaft, tip to angle length 10.0mm

*Rotator / Manipulator*
- 0.65mm mushroom tip
- 45° angled shaft, tip to angle length 10.0mm
- Barrett balanced set handle, length 123.0mm

*(Duo nucleus rotator / manipulator / splitter, round handle, length 120.0mm, specify 6-085-1)*

Smooth tip manipulator is useful as a nucleus rotator / manipulator in four quadrant nucleo fractis techniques. End of manipulator is ideal for retracting iris during phacoemulsification and inserting IOLs. Nucleus splitter used during phacoemulsification techniques such as phaco chop and modified phaco chop procedures.

**DK Delicate Sinskey Hook**

6-249

- 0.12mm diameter
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 126.0mm

**DK Sinskey Hook**

6-250

- 0.18mm diameter
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 118.0mm

**DK Sinskey Hook**

6-251

- 0.18mm diameter
- Straight shaft
- Round handle, length 121.0mm

**Kuglen Iris Hook and IOL Manipulator**

6-400

- 0.76mm x 0.75mm x 0.25mm rotator tip
- Push, pull style
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 122.0mm
Kuglen Iris Hook and IOL Manipulator

6-402

- 0.5mm x 0.75mm x 0.25mm tip
- Straight shaft
- Round handle, length 117.0mm

Osher Universal Manipulator

6-402-1

- 0.45mm x 0.65mm x 0.25mm tip
- Straight shaft
- Round handle, length 117.0mm

Osher Universal Manipulator

6-403

- 0.45mm x 0.65mm x 0.25mm tip
- 45° angled shaft, tip to angle length 14.0mm
- Round handle, length 113.0mm

DK Boat Hook and Rotator

6-410

- Hook 0.6mm, tip 1.4mm
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 118.0mm

DK IOL Dialler

6-416

- 0.25mm tip
- 55° angled shaft, tip to angle length 10.0mm
- Round handle, length 123.0mm
Dials no-hole IOLs; inserts, manoeuvres haptics and dials cataract nucleus.

- Round handle, length 116.0mm
- Angled shaft, tip to angle length 10.0mm
- 0.4mm semicircular cusp, 0.6mm outside diameter, forked tip

**6-420**

**DK IOL Rotator**

- 0.4mm semicircular cusp, 0.6mm outside diameter, forked tip
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 116.0mm

**O’Gawa Standard Dialler**

- 0.5mm diameter tip
- Angled shaft, tip to angle length 11.0mm
- Round handle, length 121.0mm

**6-417**

**O’Gawa Standard Dialler**

- 0.5mm diameter tip
- Straight shaft
- Round handle, length 124.0mm

**6-417-1**

**O’Gawa Miniature Dialler**

- 0.25mm diameter tip
- Angled shaft, tip to angle length 11.0mm
- Round handle, length 121.0mm

**6-418**

**O’Gawa Miniature Dialler**

- 0.25mm diameter tip
- Straight shaft
- Round handle, length 124.0mm

**6-418-1**

**O’Gawa Standard Dialler**

- 0.5mm diameter tip
- Straight shaft
- Round handle, length 121.0mm

**6-417**

**O’Gawa Standard Dialler**

- 0.5mm diameter tip
- Straight shaft
- Round handle, length 124.0mm

**6-418**

**O’Gawa Standard Dialler**

- Angled shaft, tip to angle length 11.0mm
- Round handle, length 121.0mm

Dials no-hole IOLs; inserts, manoeuvres haptics and dials cataract nucleus.
Dials and manoeuvres foldable or rigid IOLs. Tip design assists in retracting iris while manipulating IOL. Also helpful in retrieving dislocated IOLs.

- **Round handle, length 121.5mm**
- **Angled shaft, tip to angle length 9.0mm**
- **0.4mm rounded tip**

**Hirschman IOL Rotator**

6-460

- **0.4mm rounded tip**
- **Angled shaft, tip to angle length 12.0mm**
- **Round handle, length 120.0mm**

**Bloomberg IOL Manipulator**

6-456

- **0.16mm tip**
- **Angled shaft, tip to angle length 10.0mm**
- **Round handle, length 117.0mm**

**Lester IOL Manipulator**

6-450

- **0.4mm rounded tip / rotator, shaft to rotator length 0.8mm**
- **Push, pull style**
- **Angled shaft, tip to angle length 9.0mm**
- **Round handle, length 121.5mm**

**Bloomberg IOL Manipulator**

6-455

- **0.16mm tip**
- **Straight shaft**
- **Round handle, length 120.0mm**

**DK IOL Manipulator / Rotator**

6-430

- **0.4mm semicircular cusp, 0.6mm outside diameter, forked tip**
- **Straight shaft**
- **Round handle, length 119.5mm**

_Dials and manoeuvres foldable or rigid IOLs. Tip design assists in retracting iris while manipulating IOL. Also helpful in retrieving dislocated IOLs._
**DK Ring Manipulator**

6-462

- 0.5mm inside diameter, 0.8mm outside diameter, rounded tip
- Straight shaft
- Round handle, length 121.0mm

**Teichmann Haptic Dialler**

6-463

- 0.7mm outside diameter, 0.5mm inside diameter
- Straight shaft
- Round handle, length 56.0mm

Trailing haptic is placed into tube. Lens is then dialled into position by pushing plunger forward.

**Mackool Capsule Retractor and IOL Guide**

6-466

- 0.25mm tip
- 45° angled shaft, tip to angle length 12.0mm
- Round handle, length 121.5mm

*Used in minimizing capsular stress during insertion of trailing IOL haptic, especially when capsulorhexis is not intact or zonular laxity is present. Open hook proximal to tip gently retracts anterior capsule. Distal concave end is used as a guide while trailing haptic is maintained when dialling in IOL. In this manner, there is no direct contact of haptic against capsular edge, thus avoiding unwanted stress to capsule and/or zonule.*

**DK IOL Manipulator / Rotator**

6-467

- 0.26mm inside diameter, 0.66mm outside diameter, forked tip
- Angled shaft, tip to angle length 9.0mm
- Round handle, length 117.5mm

**Bechert Nucleus Rotator**

6-470

- 0.75mm tip, tip vertically oriented
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 116.0mm
Especially helpful in repositioning IOL from anterior chamber or ciliary sulcus into capsular bag by providing countertraction against haptic during rotation.

**Osher Curved Y Hook**

- 1.0mm Y-shape tip
- Curved shaft, tip to curve length 6.2mm
- Round handle, length 124.0mm
Barrett Nucleus Rotator / Manipulator

6-472, 6-472-1*

- 0.65mm mushroom style tip
- Angled shaft, tip to angle length 10.0mm
- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

*(0.65mm Mushroom style tip, round handle, length 120.0mm, specify 6-472-1)

Multipurpose, eliminates need for multiple hooks and second instruments. Used as a second instrument to facilitate rotation and manipulation of nucleus as cracking. Mushroom style tip minimizes chance of inadvertent damage to capsule while manipulating nuclear quadrants. Used to rotate and dial IOL within capsular bag. In presence of a small capsulorhexis, two manipulators are used in a two handed manoeuvre allowing retraction of capsule or pupil with one manipulator and rotation and dialling with a second manipulator. Manipulator is well suited to retracting iris in an atraumatic fashion, and two manipulators can stretch a small pupil prior to phacoemulsification.

MacBeath Trumpet Manipulator

6-488

- 0.5mm diameter tip, trumpet shaped
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 118.0mm

DK Nucleus Spear and Rotator

6-497

Nucleus Spear
- 0.8mm x 3.2mm tip
- 45° angled shaft, tip to angle length 10.0mm

Rotator
- 0.85mm tip
- 45° angled shaft, tip to angle length 10.0mm
- Round handle, length 141.0mm

Fenzl Hook

6-500

- 0.13mm dialler
- Angled shaft, tip to angle length 9.0mm
- Round handle, length 117.0mm
**Ho**oks, **m**anipulators, **r**otators (I**r**is)

**Iris** (Also refer to section Iris Reconstruction)

**O’Gawa Iris Reconstruction Hook**

6-109

- 0.55mm diameter eyelet with 0.3mm diameter stabiliser
- Round handle, length 116.0mm

Rounded knob hooks and positions iris while circular ring stabilizes and supports iris for needle passes. Great for modified McCannel iris suturing using long, curved, trans-chamber type needles.

**DK Iris Hook**

6-110

- 0.15mm diameter, hook length 1.0mm
- Straight shaft
- Round handle, length 120.0mm

**DK Iris Hook (right)**

6-120

- 0.3mm diameter, hook length 0.9mm
- Angled right, tip to angle length 10.0mm
- Round handle, anodised blue (right), length 118.0mm

**DK Iris Hook (left)**

6-121

- 0.3mm diameter, hook length 0.9mm
- Angled left, tip to angle length 10.0mm
- Round handle, anodised gold (left), length 118.0mm

**DK Iris Hook**

6-122

- 0.3mm diameter, hook length 0.9mm
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 118.0mm
Kuglen Iris Hook and IOL Manipulator

6-400
- 0.76mm x 0.75mm x 0.25mm rotator tip
- Push, pull style
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 122.0mm

Kuglen Iris Hook and IOL Manipulator

6-402
- 0.5mm x 0.75mm x 0.25mm tip
- Straight shaft
- Round handle, length 117.0mm

Osher Universal Manipulator

6-402-1
- 0.45mm x 0.65mm x 0.25mm tip
- Straight shaft
- Round handle, length 117.0mm

Osher Universal Manipulator

6-403
- 0.45mm x 0.65mm x 0.25mm tip
- 45° angled shaft, tip to angle length 14.0mm
- Round handle, length 113.5mm

DK IOL Dialler

6-416
- 0.25mm tip
- 55° angled shaft, tip to angle length 10.0mm
- Round handle, length 123.0mm
**Muscle**

*Okuyama Muscle Hook*

6-618

- Grooved tip inside
- 60° angled shaft, tip to angled length 12.0mm
- Round handle, length 122.0mm

Grooved tip facilitates muscle suturing, guides suture under muscle.

*DK Paediatric Muscle Hook*

6-620

- 0.65mm diameter tip, tip to curve length 4.5mm
- Flat handle, length 125.0mm

Used in inferior oblique surgery

*Jameson Muscle Hook*

6-625

- 2.0mm bulbous tip, tip to curve length 8.0mm
- Flat handle, length 135.0mm

*Assaf Resection Muscle Hook*

6-626

- 90° double 10.0mm adjustable tips, caliper measures 2.0mm - 15.0mm
- Flat handle, length 135.0mm
- Tips locked by locking screw (Patent # 2335601)

Double blade squint hook with integrated caliper. Instrument design allows single-handed support of the extra ocular muscle, enabling easy insertion of sutures as the appropriately measured distance from muscle insertion.
**PK**

*Verity Running Suture Hook*

6-104-1

- 0.15mm x 1.4mm tip
- Sharp angled tip, tip to angle length 1.8mm
- Round handle, length 123.0mm

*Designed to assist proper tension of running suture at time of keratoplasty. Features a delicate, tapered tip with rounded profile. Taper of tip allows surgeon to slide hook under suture. Rounded profile provides for atraumatic tension of suture.*

**Suture**

*Bloomberg Eyelet Threader*

6-108

- 0.5mm width tip, 0.25mm hook
- Round handle, length 124.0mm

*Tip, eyelet to manoeuvre sutures*

**Osher Micro Suture Hook**

6-111

- 0.5mm x 0.5mm hook
- 45° angled shaft, tip to angle length 12.0mm
- Round handle, length 118.5mm

**Osher Suture Hook**

6-111-1

- 0.5mm x 0.5mm hook
- Straight shaft
- Round handle, length 121.5mm
INCISION SPREADING

(Also refer to section Forceps - Incision Spreading)

Friedlander Marker Hook / Tickle Enhancement

9-704

- 0.4mm angled Sinskey style hook, 3.4mm flat blade-like wound depth spreader
- Round handle, length 126.0mm

Assists with marking as well as enhancement, refinement techniques. Sinskey hook end for marking and opening incision. Flat blade-like end for previous depth verification.

DK Suarez Spreader

6-605

- 1.0mm x 2.0mm blade
- Straight shaft
- Round handle, length 114.0mm

Guaranteed

DK is committed to a standard of consistency. Our design-development-manufacturing techniques, with rigid quality control, allows us to achieve the most demanding tolerances to a consistent standard from instrument to instrument.

DK Titanium Facts ... Benefits of Titanium

A versatile material, adaptive to the manufacture of even the finest, delicate surgical instrument designs, where accuracy and precision are mandatory. Unlike other metals, subject to corrosion and rust, titanium is corrosive resistant, durable, strong, light weight, nonmagnetic, and anodized to reduce glare under the microscope.
(Also refer to section Hooks, Manipulators, Rotators - Iris)

O’Gawa Iris Reconstruction Hook

6-109

• 0.55mm diameter eyelet with 0.3mm diameter stabilizer
• Round handle, length 116.0mm

Rounded knob hooks and positions iris while circular ring stabilizes and supports iris for needle passes. Great for modified McCannel iris suturing using long, curved, trans-chamber type needles.

Mackool Iris Retractor

6-130

• Tip to block length 3.17mm
• Supplied as (1) one each

Provides reversible pupil enlargement; eliminates guesswork and dangers of working with a small pupil. Inserted through limbus; used with 6-465 Mackool iris repositor and 2-830 Mackool iris retractor forceps. Mackool holder and sterilizing case recommended (6-135).

Mackool Holder and Sterilizing Case

6-135

• 20.0mm diameter x 13.0mm height

Secures Mackool iris retractor (6-130) and Mackool cataract support system (6-140) for sterilisation.

Mackool Iris Repositor

6-465

• 0.25mm tip
• Angled shaft, tip to angle length 12.0mm
• Round handle, length 121.5mm
• Non-reflective finish

Used in conjunction with Mackool iris retractor (6-130). Permits atraumatic insertion of iris sphincter into iris retractor, also used to free from iris retractor at completion of procedure. Used with Mackool iris retractor forceps (2-830).
IRRIGATION AND ASPIRATION HANDPIECES (I/A)

I/A  (Also refer to section Cannulas - I/A)

LASIK

I/A  (Also refer to section Cannulas - I/A)

Barrett Miniature I/A Tip

8-620, 8-620-1*

• 23 gauge, 0.3mm aspiration port
• Curved shaft

*(23 Gauge, 0.3mm aspiration port with silicone tubing and luer fitting supplied, specify 8-620-1, reorder for silicone tubing, specify B-0926)

Designed to facilitate removal of cortex at 12 o’clock. Miniature I/A Tip may be used in conjunction with a syringe to dislodge cortex from 12 o’clock with a push, pull manoeuvre. Miniature I/A Tip may also be connected to aspiration line and used with simultaneous irrigation through a side port.

Ogawa I/A Cannula

8-635

• 18 gauge, thin wall, 0.8mm irrigation port, 0.3mm aspiration port
• 30° angled shaft, tip to angle length 6.0mm
• Coaxial irrigation and aspiration

Round shaft seals in paracentesis opening even when cannula is rotated in paracentesis.

Ogawa I/A Cannula

8-635-2

• 18 gauge, thin wall, 0.8mm irrigation port, 0.3mm aspiration port
• 30° angled shaft, tip to angle length 6.0mm
• Coaxial irrigation and aspiration
• Irrigation through main hub and aspiration through side port

• Silicone tubing and luer fitting supplied
• Knurled hub enhances grasp
(reorder for silicone tubing, specify B-0926)

Ogawa I/A Cannula

8-635-3

• 18 gauge, thin wall, 0.8mm irrigation port, 0.3mm aspiration port
• 30° angled shaft, tip to angle length 6.0mm
• Coaxial irrigation and aspiration
• Irrigation through main hub and aspiration through side port
Textured tip allows for capsule polishing after removal of cortex.

• Silicone tubing and luer fitting supplied
• Knurled hub enhances grasp
• Textured tip
(reorder for silicone tubing, specify B-0926)
**IRRIGATION AND ASPIRATION HANDPIECES (I/A)** (I/A Continued)

**DK Irrigation Handpiece**

8-650, 8-660*  
*21 gauge, 0.8mm tube diameter, 0.5mm irrigation ports  
*Curved shaft, tip to handle length 19.0mm  
*Round handle, length 108.0mm

* (21 gauge, 0.8mm tube diameter, 0.5mm irrigation ports, round slimline handle, length 84.5mm, specify 8-660).

**DK Irrigation Handpiece**

8-652, 8-662*  
*23 gauge, 0.65mm tube diameter, 0.4mm irrigation ports  
*Curved shaft, tip to handle length 19.0mm  
*Round handle, length 106.0mm

* (23 gauge, 0.65mm tube diameter, 0.4mm irrigation ports, round slimline handle, length 76.5mm, specify 8-662)

**DK Irrigation Handpiece**

8-652-1, 8-662-1*  
*23 gauge, 0.65mm tube diameter, 0.5mm irrigation port  
*Open end, 30° angled face  
*Curved shaft, tip to handle length 11.0mm  
*Round handle, length 98.0mm

* (23 gauge, 0.65mm tube diameter, 0.5mm irrigation ports, slimline handle, length 84.0mm, specify 8-662-1)

**DK Aspiration Handpiece**

8-655, 8-665*  
*21 gauge, 0.8mm tube diameter, 0.35mm aspiration port  
*Curved shaft, tip to handle length 19.0mm  
*Round handle, length 108.0mm

* (21 gauge, 0.8mm tube diameter, 0.35mm aspiration ports, round slimline handle, length 84.5mm, specify 8-665)
Directional irrigation: Since irrigation and aspiration may be moved independently of each other, position and direction of irrigation stream may be controlled in order to "flush out" residual lens fibres or irrigate directly behind IOL to facilitate complete removal of viscoelastic.

Phacotrabeculectomy - Aspiration of viscoelastic: Completion of trabeculectomy after phaco is technically facilitated by retaining viscoelastic in eye until end of procedure. Readily achieved with use of bimanual I/A system as viscoelastic may be aspirated via side ports as final maneuver after scleral flap had been closed.

Complete aspiration of viscoelastic: Easier and safer to aspirate viscoelastic completely from behind IOL at end of surgery, as well as aspiration of any residual tenacious cortical fibers after IOL implantation.

Phacotrabeculectomy - Aspiration of viscoelastic: Completion of trabeculectomy after phaco is technically facilitated by retaining viscoelastic in eye until end of procedure. Readily achieved with use of bimanual I/A system as viscoelastic may be aspirated via side ports as final maneuver after scleral flap had been closed.

Directional irrigation: Since irrigation and aspiration may be moved independently of each other, position and direction of irrigation stream may be controlled in order to "flush out" residual lens fibres or irrigate directly behind IOL to facilitate complete removal of viscoelastic.

Sekundo Aspiration Handpiece

8-658, 8-668*

- 21 gauge, 0.8mm tube diameter, 0.3mm textured aspiration port
- Curved shaft, tip to Curve 2.6mm, Tip to Handle Length 19.4mm
- Round handle, length 107.0mm

* (21 gauge, 0.8mm tube diameter, 0.3mm textured aspiration port, round slimline handle length 85.0mm, specify 8-668)

DK Aspiration Handpiece

8-657, 8-667*

- 23 gauge, 0.65mm tube diameter, 0.3mm aspiration port
- Curved shaft, tip to handle length 14.0mm
- Round handle, length 102.0mm

* (23 gauge, 0.65mm tube diameter, 0.3mm aspiration port, round slimline handle, length 81.0mm, specify 8-667)
IRRIGATION AND ASPIRATION HANDPIECES (I/A) (I/A Continued)

Ogawa Cortex Aspiration Handpiece

8-659

- Round handle, length 134.5mm
- Straight shaft, tip to handle length 20.0mm

For sub-incisional cortex removal. Attach 5cc syringe filled with BSS to luer lock fitting, place cannula through a 1.0mm side port paracentesis opening, fill anterior chamber with BSS, then loosen or remove sub-incisional cortex by manually aspirating with syringe. Nicely complements conventional I/A techniques. Needs one paracentesis opening.

Barrett I/A Handpiece

8-700

- Round handle, length 134.5mm
- Curved shaft, tip to handle length 20.0mm

DK I/A Handpiece (curved tip)

8-701

- Round handle, length 134.5mm
- Distinctive identification labelling

DK I/A Handpiece (straight tip)

8-702

- Straight shaft, tip to handle length 20.0mm
- Round handle, length 134.5mm

DK I/A Handpiece (J-shaped tip)

8-703

- Straight shaft, tip to handle length 20.0mm
- Round handle, length 134.5mm
**IRRIGATION AND ASPIRATION HANDPIECES (I/A)** (I/A Continued)

**DK I/A Handpiece (45° angled tip)**

8-705

- 16 gauge, 1.63mm tube diameter, 0.8mm irrigation ports, 0.3mm aspiration port
- 45° angled tip

- Straight shaft, tip to handle length 20.0mm
- Round handle, length 134.5mm

**DK I/A Handpiece (90° angled tip)**

8-706

- 16 gauge, 1.63mm tube diameter, 0.8mm irrigation ports, 0.25mm aspiration port
- 90° angled tip

- Straight shaft, tip to handle length 20.0mm
- Round handle, length 134.5mm

**DK I/A Handpiece (used with 8-730 and 8-731 series DK I/A tips and Silicone Sleeve)**

8-711

- Round handle, length 115.0mm
- Used with 8-730 and 8-731 series DK I/A tips
- DK I/A tips and Silicone sleeve not included

**DK I/A tips for 8-711 DK I/A handpiece:**

8-730  DK I/A tip, 90° angled tip,
8-730-1 DK I/A tip, 45° angled tip,
8-730-2 DK I/A tip, J tip,
8-730-3 DK I/A tip, straight tip,
8-731  DK I/A tip, 90° angled tip,
8-731-1 DK I/A tip, 45° angled tip,
8-731-2 DK I/A tip, J tip,
8-731-3 DK I/A tip, straight tip,
8-731-4 DK I/A tip, curved textured tip,
8-732  DK I/A tip, 90° angled tip,
8-732-1 DK I/A tip, 45° angled tip,
8-732-2 DK I/A tip, straight tip,
8-732-3 DK I/A tip, curved textured tip,
8-732-4 DK I/A tip, straight half textured tip,
8-732-5 DK I/A tip, straight half textured tip,

*Tip(s) used with silicone sleeve.*
Mackool Magic Wand 90° I/A Handpiece (used with silicone sleeve)

8-712

- 22 gauge, 0.7mm tube diameter, irrigation through silicone sleeve, 0.25mm aspiration port
- 90° angled tip
- Straight shaft, tip to handle length 16.0mm

Silicone sleeve assists in sealing incision, creating a non-leaking wound and maximally deep chamber. 0.25mm port is more easily occluded than larger port sizes, effective purchase of cortex is more easily achieved. 90° angle allows for efficient sub-incisional cortex removal, and in the presence of deep chamber afforded by Silicone sleeve, Handpiece can be readily used for cortex aspiration.

DK Mackool Magic Wand 45° I/A Handpiece (used with silicone sleeve)

8-713

- 22 gauge, 0.7mm tube diameter, irrigation through silicone sleeve, 0.25mm aspiration port
- 45° angled tip
- Tip to handle length 17.0mm

- Round handle, length 132.0mm
- Silicone sleeve not included

LASIK

Buratto LASIK Irrigation Handpiece

8-653, 8-663*

- 23 gauge, 0.65mm tube diameter, 0.4mm irrigation ports x 4, 0.2mm irrigation port at front
- 45° angled shaft, tip to angle length 8.0mm, tip to handle length 18.5mm
- Round handle, length 105.5mm

* (23 gauge, 0.65mm tube diameter, 0.4mm irrigation ports x 4, 0.2mm irrigation port at front, round slimline handle, length 84.5mm, specify 8-663)

Pallikaris LASIK I/A Cleaner

8-800

- 16 gauge, 1.6mm tube diameter, 0.5mm aspiration port
- Tip to shaft length 20.0mm
- Round handle, length 134.5mm
**Maloney Keratometer**

6-700

Concentric rings provide reflection on cornea.

**Osher Hyde Keratometric Ruler**

6-706

Locates cylindrical axis and quantitates amount of astigmatism.

**Barrett Keratoscope**

6-710

- Distinctive identification labelling
  (reorder for ring, specify B-0806)

Quantitative keratoscope assists with detection of astigmatism at end of procedure. Microscope light provides a bright reflective image. Surgeon selects which of three ring images is most circular to determine a quantitative estimation of astigmatism. Handle contains an engraved scale to facilitate determination of astigmatism.

**Ogawa Keratoscopy Ring**

6-715

- Inside ring diameter 14.0mm, polished finish
- Outside ring diameter 20.0mm, matte finish
- Length 131.0mm

Assist with determining suture tension adjustment at conclusion of cataract, astigmatic refractive procedures, as well as monitoring astigmatism during titrated corneal astigmatic procedures (incisional keratotomy for post AK astigmatism).
LENS LOOP AND NUCLEUS EXPRESSOR

**Lens Loop**

**Nucleus Expressor**

**Lens Loop**

*Barrett Modified Lens Loop*

6-610

- 4.0mm x 12.0mm loop (outside dimension), 3.0mm x 10.0mm loop (inside dimension)
- Barrett balanced set handle, length 121.0mm
- Distinctive identification labelling

*Smaller diameter allows use in phacoemulsification through a relatively small wound. Lens loop also used to apply pressure superiorly in conjunction with pressure applied inferiorly by Barrett nucleus expressor (6-630) during manual ECCE.*

**Nucleus Expressor**

*Barrett Nucleus Expressor*

6-630

- 2.0mm bulbous tip, curved shaft
- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

---

**Custom Instrument Design and Development**

DK produces hundreds of custom instruments a year to accommodate new or modified surgical techniques. Our technical design-engineering group will assist you with your instrument needs.
**LID CLAMPS**

**Kitchen Lid Clamp**

2-643

- Clamp length 16.5mm
- Plate dimensions 21.0mm x 17.0mm
- Flat handle, length 103.0mm
- Non-reflective finish, textured surface upper top face

**Rabkin Lid Clamp**

2-644

- Clamp length 20.5mm
- Plate dimensions 26.0mm x 19.0mm
- Flat handle, length 103.0mm
- Non-reflective finish, textured surface upper top face

2-645

- Clamp length 24.0mm
- Plate dimensions 31.0mm x 17.0mm
- Flat handle, length 103.0mm
- Non-reflective finish, textured surface upper top face

*For upper eyelid fixation and globe protection in carbon dioxide laser upper lid blepharoplasty.*
LIGHT PIPE ACCESSORIES

Rassam Button Fitting

6-910

• Split tube, 20 gauge fitting, fits fibre optic light pipe
• 1.65mm x 1.35mm x 0.20mm

Button supports retina whilst peeling membranes.

Rassam Spatula Fitting

6-910-1

• Split tube, 20 gauge fitting, fits fibre optic light pipe
• 0.85mm x 0.75mm x 0.20mm, 110° Angle

Spatula lifts and supports retina.

Rassam Pick Fitting

6-910-2

• Split tube, 20 gauge fitting, fits fibre optic light pipe
• 0.65mm x 0.75mm, 70° Angle

Tip picks edges of membranes.

Rassam Rake Fitting

6-910-3

• Split tube, 20 gauge fitting, fits fibre optic light pipe
• 0.95mm x 0.75mm, 70° Angle

Rake style tip assists in identifying edge of stubborn membranes.
MARKERS

Astigmatic
Corneal
Corneal Axis
LASIK
LDS (Laser Deep Sclerectomy)
Limbal
Parabolic
Scleral

Astigmatic

Osher Astigmatic Markers (9-763 Illustrated)

ENLARGED VIEW ON ARROW

9-763  6.0mm
9-763-1  6.5mm
9-763-2  7.0mm
9-763-3  7.5mm
9-763-4  8.0mm

• Low profile
• Flat handle, length 107.0mm
Marks 2 parallel 3.0mm long lines at various widths.

Corneal

Friedlander Double Ended Ring Marker (9-716 Illustrated)

9-708  2.00mm - 2.25mm
9-709  2.50mm - 2.75mm
9-710  3.00mm - 3.25mm
9-711  3.50mm - 3.75mm
9-712  4.00mm - 4.25mm
9-713  4.50mm - 4.75mm
9-714  5.00mm - 5.50mm
9-715  6.00mm - 6.50mm
9-716  7.00mm - 8.00mm

• Low profile
• Measured outside line, outer diameter
• Double ended, markers on both ends for efficiency and economy

• Round handle, length 123.0mm
• Package insert certification

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**Hoffer Double Ended Ring Markers with Cross Hairs** *(9-716W Illustrated)*

- Round handle, length 120.0mm
- Double ended, markers on both ends for efficiency and economy
- 2.5mm and 3.0mm markings

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<th>9-708W</th>
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<td>9-715W</td>
<td>6.00mm - 6.50mm</td>
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</tbody>
</table>

- Low profile with cross hairs
- Measured outside line, outer diameter

**Thornton Double Ended Lowest Profile Parallax Free Corneal Marker with Centre Pointer** *(9-716M Illustrated)*

- Round handle, length 123.0mm
- Double ended, markers on both ends for efficiency and economy

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<thead>
<tr>
<th>9-710M</th>
<th>3.00mm - 3.25mm</th>
<th>9-713M</th>
<th>4.50mm - 4.75mm</th>
<th>9-715M</th>
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<td>9-714M</td>
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<td>7.00mm - 8.00mm</td>
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<td>9-712M</td>
<td>4.00mm - 4.25mm</td>
<td>9-717M</td>
<td>5.25mm - 5.75mm</td>
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</tbody>
</table>

- Lowest profile with centre pointer
- Measured outside line, outer diameter
- Double ended, markers on both ends for efficiency and economy
- Package insert certification

**DK Transverse Astigmatic Keratotomy Incision Marker**

- 2.5mm and 3.0mm markings
- Double ended, markers on both ends for efficiency and economy
- Round handle, length 120.0mm
**MARKERS (Corneal Continued)**

**DK Transverse Astigmatic Keratotomy Incision Marker**

9-719-1

- 3.2mm and 5.5mm markings
- Double ended, markers on both ends for efficiency and economy
- Round handle, length 120.0mm

**Friedlander Transverse Keratotomy Incision Markers** *(9-721 Illustrated)*

<table>
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<tr>
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<th>5.0mm</th>
<th>9-721</th>
<th>6.0mm</th>
<th>9-722</th>
<th>7.0mm</th>
<th>9-723</th>
<th>8.0mm</th>
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<tr>
<td>9-724</td>
<td>5.5mm</td>
<td>9-725</td>
<td>6.5mm</td>
<td>9-726</td>
<td>7.5mm</td>
<td></td>
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</tr>
</tbody>
</table>

- Two blades mark 3.0mm for transverse keratotomy
- Measured outside line, outer dimension
- Round handle, length 120.0mm
- Package insert certification

**Friedlander Double Ended Transverse Keratotomy Incision Markers** *(9-721-2 Illustrated)*

9-720-2 5.0mm - 5.5mm 9-721-2 6.0mm - 6.5mm 9-722-2 7.0mm - 7.5mm 9-723-2 8.0mm - 8.5mm

- Two blades mark 3.0mm for transverse keratotomy
- Measured outside line, outer dimension
- Double ended, markers on both ends for efficiency and economy
- Round handle, length 123.0mm
- Package insert certification

**DK Axis Marker (2 blades)**

9-729

- Two blades, lowest profile with centre pointer
- 4.0mm inside diameter, 11.2mm outside diameter
- Round handle, length 121.0mm
- Package insert certification

*Used in conjunction with Mendez degree gauge, 9-700*
Thornton Lowest Profile Parallax Free Blade Radial Makers (9-732 Illustrated)

9-730 4 Blades 9-731 6 Blades 9-732 8 Blades 9-733 12 Blades
- Lowest profile with centre pointer, radial marks
- 4.0mm inside diameter, 13.0mm outside diameter
- Round handle, length 125.0mm
- Package insert certification

DK Lowest Profile Blade Radial Marker

9-734

- Lowest profile with centre pointer, 16 blade radial marks
- 5.0mm inside diameter, 13.0mm outside diameter
- Round handle, length 123.0mm
- Package insert certification

Barrett Corneal Marker

9-735

- 12 blade radial marks, 12.0mm diameter ring
- One concentric ring
- Barrett balanced set handle, length 118.0mm
- Package insert certification

Verity Corneal Transplant Marker with Centre Pointer

9-736

- 12 blade radial marks, 8.0mm diameter ring with centre pointer
- One concentric ring
- Round handle, length 126.0mm
- Package insert certification

Designed for use with twelve-bite double running suture technique. Marker is positioned over graft area with aid of centration arrow. 8.0mm ring aids in placement of trephine. Radial blades allow for accurate placement of initial twelve-bite running suture. Provides optimal sizing and centration of recipient graft bed and accurate placement of running suture, reducing induced post keratoplasty astigmatism.

DK Hoffer Corneal Blade Marker with Ring

9-736-1

- 12 blade radial marks, 4.65mm diameter ring
- One concentric ring
- Round handle, length 126.0mm
- Package insert certification

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**MARKERS** (Corneal Continued)

*DK Hoffer Corneal Blade Marker with Ring*

9-736-2

- 12 blade radial marks, 5.65mm diameter ring
- One concentric ring

- Round handle, length 126.0mm
- Package insert certification

*Watson Corneal Graft Blade Markers with Ring* (9-737 Illustrated)

9-737 8 Blades, 7.0mm inside diameter ring

- 8 blade radial marks
- One concentric ring
- 13.0mm outside diameter

9-738 8 Blades, 8.0mm inside diameter ring

- Round handle, length 124.0mm
- Package insert certification

*DK Hoffer Corneal Blade Marker with Ring*

9-737-1

- 8 blade radial marks, 4.65mm inside diameter ring
- One concentric ring

- Round handle, length 126.0mm
- Package insert certification

*DK Hoffer Corneal Blade Marker with Ring*

9-737-2

- 8 blade radial marks, 5.65mm inside diameter ring
- One concentric ring

- Round handle, length 126.0mm
- Package insert certification

*DK Hoffer Corneal Blade Marker with Ring*

9-737-3

- 8 blade radial marks, 5.15mm inside diameter ring
- One concentric ring

- Round handle, length 126.0mm
- Package insert certification
**MARKERS** (Corneal Continued)

**DK Hoffer Corneal Blade Marker with Ring**

9-737-4

- 8 blade radial marks, 6.15mm inside diameter ring
- One concentric ring
- Round handle, length 126.0mm
- Package insert certification

**DK Hoffer Corneal Blade Marker with Ring**

9-737-5

- 8 blade radial marks, 6.65mm inside diameter ring
- One concentric ring
- Round handle, length 126.0mm
- Package insert certification

**DK Corneal Blade Marker with Ring for Conductive Keratoplasty**

9-737-7

- 8 blade radial marks, 7.0mm inside diameter ring
- One concentric ring
- Round handle, length 124.0mm
- Package insert certification

**Anis Multi Corneal Marker**

9-739, 9-739-2*

- Centre pointer
- Measured outside line, outer diameter
- Double ended, markers on both ends for efficiency and economy
- Round handle, length 133.0mm
- Package insert certification

* (10 blade and 12 blade radial marker, round handle, length 133.0mm, specify 9-739-2)
Instrument combines several optical zone markers in precise concentric formation in one instrument. 3.0mm / 3.5mm / 4.0mm / 4.5mm optical zone markers together with 8 blade and 6 blade radial markers. 7.0mm concentric circular marker for AK. 9.0mm / 9.5mm / 10.0mm / 10.5mm circular concentric markers serve as peripheral limit to 3.0mm radial incisions as measured consecutively from the 3.0mm / 3.5mm / 4.0mm / 4.5mm optical zones. One instrument replaces a whole series of instrument saving time as instrument imprints all markings at same time.
MARKERS (Corneal Continued)

Thornton Triple Astigmatic Keratotomy Marker

9-740

- Centre pointer
- Measured outside line, outer diameter
- Concentric 6.0mm, 7.0mm, 8.0mm diameter rings
- Round handle, length 126.0mm
- Package insert certification

Thornton Double T Astigmatic Keratotomy Press on Ruler

9-744, 9-744-1*

- Marks two rows of 0.5mm spaced marks, 1.0mm length
- 6.0mm inside, 8.0mm outside
- Measured outside line, outer diameter
- Round handle, length 120.0mm
- Package insert certification

*(Double marks two rows of 0.5mm spaced marks, 1.0mm length; one row 6.0mm inside, 8.0 outside; one row 5.0mm inside, 7.0mm outside, double ended, round handle, length 126.5mm, specify 9-744-1)

Thornton 360° Lowest Profile Parallax Free Arcuate Astigmatic Keratotomy Marker

9-745, 9-745-1*, 9-747*

- Lowest profile with centre pointer
- Measured outside line, outer diameter
- Concentric 6.0mm, 7.0mm, 8.0mm diameter rings
- Round handle, length 122.0mm
- Package insert certification

*(6.0mm inside diameter, 8.0mm outside diameter one end, 9.0mm inside diameter, 11.0mm outside diameter one end, double ended, round handle length 133.0mm, specify 9-745-1)

*(5.0mm inside diameter, 7.0mm outside diameter, round handle, length 122.0mm, specify 9-747)

Improved visualization, marks at every 10°. Two wings assist with marking axis of astigmatism.

Gayton Thornton Marker

9-746

- Lowest profile with center pointer
- Measured outside line, outer diameter
- 9.0mm inside diameter, 11.0mm outside diameter
- Round handle, length 126.0mm
- Package insert certification

Designed to mark at 9.0mm and 11.0mm. Advantageous when doing limbal arcuate incision and astigmatic surgery both in combination with other intraocular procedures and separately.
**Friedlander Arcuate Markers with Centre Pointer** *(9-750 Illustrated)*

- Marks two 45° arcs, notches show axis of astigmatism
- Round handle, length 121.0mm
- Package insert certification

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-758</td>
<td>30° 6.0mm</td>
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<tr>
<td>9-756</td>
<td>30° 7.0mm</td>
</tr>
<tr>
<td>9-753</td>
<td>45° 6.0mm</td>
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<table>
<thead>
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<th>Item No.</th>
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<tbody>
<tr>
<td>9-750</td>
<td>45° 7.0mm</td>
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<tr>
<td>9-754</td>
<td>60° 6.0mm</td>
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<tr>
<td>9-751</td>
<td>60° 7.0mm</td>
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<tbody>
<tr>
<td>9-759</td>
<td>75° 6.0mm</td>
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<tr>
<td>9-757</td>
<td>75° 7.0mm</td>
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<tr>
<td>9-755</td>
<td>90° 6.0mm</td>
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**DK Hexagonal Markers with Centre Pointer** *(9-750 Illustrated)*

- 6 marks
- Measured outside line, outer dimension
- Round handle, length 121.0mm
- Package insert certification

<table>
<thead>
<tr>
<th>Item No.</th>
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<tr>
<td>9-762</td>
<td>6.0mm</td>
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**DK Single Ended Ring Markers** *(9-779 Illustrated)*

- Low profile
- Measured outside line, outer diameter
- Round handle, length 120.0mm
- Package insert certification

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Diameter</th>
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<tbody>
<tr>
<td>9-768</td>
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<tr>
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<td>9-770</td>
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<tr>
<td>9-773</td>
<td>3.75mm</td>
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<table>
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<tr>
<th>Item No.</th>
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<tbody>
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<tr>
<td>9-777</td>
<td>4.75mm</td>
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<td>9-778</td>
<td>5.00mm</td>
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<tr>
<td>9-785</td>
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<tr>
<td>9-783</td>
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<td>9-780</td>
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<td>9-787</td>
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<tr>
<td>9-789</td>
<td>11.00mm</td>
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**DK Single Ended Ring Markers with Cross Hairs** *(9-779W Illustrated)*

- Low profile with cross hairs
- Measured outside line, outer diameter
- Round handle, length 120.0mm

<table>
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<td>9-773W</td>
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MARKERS (Corneal Continued, Corneal Axis)

Thornton Lowest Profile Parallax Free Corneal Markers with Centre Pointer (9-779M illustrated)

Mathys Corneal Markers (9-795 illustrated)

Stein Hoffer Single Ended Ring Markers with Cross Hairs and Spatula Combination (9-810 illustrated)

Corneal Axis

DK Corneal Axis Marker
**MARKERS** (Corneal Axis Continued, LASIK)

**DK Corneal Axis Marker**

9-703

- 0.5mm diameter, straight shaft
- Round handle, length 127.0mm

**LASIK**

**Pallikaris LASIK Blade Marker**

9-850

- Flat handle, length 106.0mm

Marks 10.0mm x 240° with central line from centre to 1.5mm beyond the diameter and line 90° to that line, 2.5mm below.

**Verity LASIK Marker**

9-851

- Lowest profile with radial and circular markings
- Round handle, length 126.0mm

5 radial blades with a smaller circular marking centred at the 9.0mm zone. Centration allows accurate placement over the central visual axis. Radial blades are centred at 180° hemimeridian opposite the hinge site. Radial markings provide more accurate realignment of flap than circular markings. The small circular mark allows for proper orientation in the event of a free cap. Design is ideal for any hinge orientation.

**Barrett LASIK Marker**

9-852

- Two 5.0mm long blades, lowest profile with 3.0mm separation
- Two offset blades, 5.5mm x 1.0mm separation
- Barrett balanced set handle, length 117.0mm

**Bennett Thornton LASIK Marker**

9-853

- Lowest profile with eight radial elements and non-radial element
- Round handle, length 126.0mm

Useful in realigning flap after repositioning following LASIK. Misalignment in any portion of flap can be readily seen since elements are at right angles to flap edges. The additional non radial element is useful in the event of a free flap. This position permits surgeon to properly orient flap and prevent flap from being laid upside down. Overall length of elements ensures flap edges will be included in the mark regardless of flap size. Open centre with pointer ensures simple and accurate marking on cornea, 45° angulation of head allows for ease and comfort in use.
MARKERS (LASIK Continued, LDS)

Gulani LASIK Marker
9-855

- 3.5mm and 4.0mm intersecting circles
- Round handle, length 119.0mm

Double circle marker (3.5mm and 4.0mm) provides pre-determined landmark (four reference points of two intersecting circles) for corneal flap replacement following excimer laser ablation of stromal bed in LASIK. Configuration of arcs of intersecting circles allows correct side-up placement of corneal flap.

DK Double Ended T Incision LASIK Marker
9-856

- 3.0mm marking both ends
- Round handle, length 95.0mm

DK Double Ended Incision LASIK Marker
9-857

- 3.0mm marking line one end, 3.0mm ring marking the other end
- Round handle, length 95.0mm

Fujimoto Flap Measure
9-858

- 11.0mm long tip, angled 70° to shaft
- Round handle, length 99.0mm

LDS (Laser Deep Sclerectomy)

Pallikaris Laser Deep Sclerotomy Marker
9-766

- 4.0mm x 4.0mm x 4.0mm
- Round handle, length 117.5mm
MARKERS (Limbal, Parabolic, Scleral)

**Limbal**

*Barrett Limbal Ruler*

9-741

- 3.5mm and 5.5mm markings
- Measured outside line, outer diameter
- Barrett balanced set handle, length 120.0mm

*Thornton Press on Ruler*

9-743

- Lowest profile
- 9 markings, 2.0mm length x 1.0mm spaced

1.0mm measurement markings, along limbal curve after conjunctival flap, serve as a guide to precise incision length and placement of closing sutures.

**Parabolic**

*Kearney Parabolic Marker*

9-749

- 5.0mm x 5.0mm marker
- 1.0mm cross hatches
- Round handle, length 121.5mm

Cross hatches are 1.0mm away from corneal side of marker or 4.0mm away from apex. Marker is used to outline superficial flap of viscocanalostomy. After conjunctiva is retracted, sclera is examined for collector channels and marker is placed between two channels with cross hatch marks at limbus. Apply with pressure to globe for 15 seconds, remove and examine mark to ensure placement is positioned properly. If placement is not optimal, sclera refills with blood after another 30 seconds or so and marker can be reapplied to correct position. Upon removing marker, outline is followed with mini diamond blade and sclera is cut down 200 - 250 microns. Marker assures consistent sizing, shaping and placement of superficial flap for viscocanalostomy procedure.

**Scleral**

*Hays Thornton Quadrant Marker*

9-860

- Low profile
- 4 marking points at 12.0mm measurement from centre of marker tips
- 11.0mm outside diameter

Provides 4 marking points to ensure proper incision placement. Used with methylene blue.

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Ophthalmic Titanium Surgical Instrument Manufacturer
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**NEEDLE GUIDE**

*Osher Needle Guide*

6-617

- 0.75mm x 0.33mm, 10.0mm grooved tip
- 10.0mm long slightly curved tip
- Round handle, length 120.0mm

Counter traction and receptacle for needle when passes through eye wall.

**NEEDLE HOLDERS AND BLADE HOLDERS**

*DK Needle Holder (straight)*

3-050

- 12.0mm heavy straight jaws
- Flat handle
- Length 146.0mm

*DK Blade Holder (straight with locking mechanism)*

3-080

- 10.0mm heavy straight jaws
- Round handle, locking mechanism
- Length 106.0mm

*DK Barraquer Needle Holder (strong curved with lock)*

3-099

- 11.0mm medium strong curved jaws
- Round handle with lock, hinge spring
- Length 111.0mm
**NEEDLE HOLDERS AND BLADE HOLDERS** (Continued)

*Troutman Needle Holder (straight)*

3-101, 3-101C*

- 9.0mm medium straight jaws
- Round open spring handle
- Length 78.0mm

* (9.0mm medium curved jaws, round open spring handle, length 76.0mm, specify 3-101C).

**Troutman Needle Holder (straight)**

3-110

- 9.0mm medium straight jaws
- Round open spring handle
- Length 125.0mm

**DK Needle Holder (side curved with lock)**

3-114

- 9.0mm medium side-curved jaws
- Round handle with lock, tag spring
- Length 109.0mm

**DK Needle Holder (side curved)**

3-115

- 9.0mm medium side-curved jaws
- Round handle, tag spring
- Length 109.0mm

**DK Needle Holder (side curved)**

3-117

- 6.0mm delicate side-curved jaws
- Round handle, tag spring
- Length 111.0mm
Anis Needle Holder (straight)
3-190
- 6.0mm delicate straight jaws
- Anis round handle, tag spring
- Length 106.0mm

DK Needle Holder (straight with lock)
3-200
- 9.0mm medium straight jaws
- Round handle with lock, tag spring
- Length 109.0mm

DK Needle Holder (straight)
3-201
- 9.0mm medium straight jaws
- Round handle, tag spring
- Length 109.0mm

DK Needle Holder (straight with lock)
33-200
- 9.0mm medium straight jaws
- Round handle with lock, tag spring
- Length 136.0mm

DK Needle Holder (straight)
33-201
- 9.0mm medium straight jaws
- Round handle, tag spring
- Length 136.0mm
**NEEDLE HOLDERS AND BLADE HOLDERS (Continued)**

**DK Needle Holder (curved with lock)**

3-202

- 9.0mm medium curved jaws
- Round handle with lock, tag spring
- Length 109.0mm

**DK Needle Holder (curved)**

3-203

- 9.0mm medium curved jaws
- Round handle, tag spring
- Length 109.0mm

**DK Needle Holder (curved with lock)**

33-202

- 9.0mm medium curved jaws
- Round handle with lock, tag spring
- Length 136.0mm

**DK Needle Holder (curved)**

33-203

- 9.0mm medium curved jaws
- Round handle, tag spring
- Length 136.0mm

**DK Needle Holder (curved)**

3-205

- 7.0mm delicate curved jaws
- Round handle, tag spring
- Length 107.0mm
**NEEDLE HOLDERS AND BLADE HOLDERS (Continued)**

*DK Needle Holder (curved)*

3-205D

- 7.0mm delicate curved jaws
- Dolphin handle, tag spring
- Length 107.0mm

*DK Needle Holder (curved with lock)*

3-206

- 7.0mm delicate curved jaws
- Round handle with lock, tag spring
- Length 107.0mm

*DK Needle Holder (curved with lock)*

3-206D

- 7.0mm delicate curved jaws
- Dolphin handle with lock, tag spring
- Length 107.0mm

*DK Needle Holder (straight)*

3-207

- 7.0mm delicate straight jaws
- Round handle, tag spring
- Length 107.0mm

*DK Needle Holder (straight)*

3-207D

- 7.0mm delicate straight jaws
- Dolphin handle, tag spring
- Length 107.0mm
**NEEDLE HOLDERS AND BLADE HOLDERS** (Continued)

**DK Needle Holder (straight with lock)**

3-208

- 7.0mm delicate straight jaws
- Round handle with lock, tag spring
- Length 107.0mm

**DK Needle Holder (straight with lock)**

3-208D

- 7.0mm delicate straight jaws
- Dolphin handle with lock, tag spring
- Length 107.0mm

**DK McPherson Needle Holder (strong curved)**

3-210

- 6.0mm delicate curved jaws
- Round handle, tag spring
- Length 105.0mm

**Bloomberg Needle Holder (curved with lock)**

3-211

- 7.0mm delicate jaws with 2.0mm platforms
- Round handle with lock, tag spring
- Length 107.0mm

*Platform style jaws allow loading of needle holder closer to tip.*

**Bloomberg Needle Holder (curved with lock)**

3-212

- 7.0mm medium curved jaws with 2.0mm platforms
- Round handle with lock, tag spring
- Length 107.0mm
**Bloomberg Needle Holder (curved with lock)**

3-213

- 7.0mm heavy curved jaws with 2.0mm platforms
- Round handle with lock, tag spring
- Length 107.0mm

**O’Gawa Needle Holder (curved with lock)**

3-217

- 7.0mm delicate curved jaws
- O’Gawa round handle with lock, tag spring
- Length 125.0mm

O’Gawa needle holder jaw design permits angling needle plane 45° to each side of perpendicular. Needle holder, thereby, functions as straight, moderately or highly curved for different applications.

**O’Gawa Needle Holder (curved with lock)**

3-217-1

- 7.0mm extra-delicate curved jaws
- O’Gawa round handle with lock, tag spring
- Length 125.0mm

**O’Gawa Needle Holder (curved)**

3-218

- 7.0mm delicate curved jaws
- O’Gawa round handle, tag spring
- Length 125.0mm

**O’Gawa Needle Holder (curved)**

3-218-1

- 7.0mm extra-delicate curved jaws
- O’Gawa round handle, tag spring
- Length 125.0mm
**DK Needle Holder (straight with lock)**

3-220

- 9.0mm medium straight jaws
- Round handle with lock, tag spring
- Length 109.0mm

**DK Needle Holder (straight)**

3-221

- 9.0mm medium straight jaws
- Round handle, tag spring
- Length 109.0mm

**DK Needle Holder (straight with lock)**

33-220

- 9.0mm medium straight jaws
- Round handle with lock, tag spring
- Length 136.0mm

**DK Needle Holder (straight)**

33-221

- 9.0mm medium straight jaws
- Round handle, tag spring
- Length 136.0mm

**DK Needle Holder (curved with lock)**

3-222

- 9.0mm medium curved jaws
- Round handle with lock, tag spring
- Length 109.0mm
**DK Needle Holder (curved)**

3-223

- 9.0mm medium curved jaws
- Round handle, tag spring
- Length 109.0mm

**DK Needle Holder (curved with lock)**

33-222

- 9.0mm medium curved jaws
- Round long handle with lock, tag spring
- Length 136.0mm

**DK Needle Holder (curved)**

33-223

- 9.0mm medium curved jaws
- Round long handle with tag spring
- Length 136.0mm

**DK Needle Holder (curved)**

33-225

- 12.0mm heavy curved jaws
- Round long handle, tag spring
- Length 139.0mm

**DK Needle Holder (curved with lock)**

33-225-1

- 12.0mm heavy curved jaws
- Round long handle with lock, tag spring
- Length 139.0mm
Torres Needle Holder (curved)

3-230

- 9.0mm medium strong curved jaws
- Round handle, hinge spring
- Length 120.0mm

Barrett Needle Holder / Scissors (curved)

3-243

- 10.0mm heavy curved jaws, inbuilt cutting edge, distal jaw
- Barrett balanced set handle, tag spring
- Length 120.0mm
- Distinctive identification labelling

Designed for large sutures with an inbuilt edge at distal end of jaw to allow surgeon to cut suture without changing instruments. Jaws of needle holder are large enough to bend a 26 gauge needle for capsulorhexis.

Barrett Needle Holder / Scissors (curved with lock)

3-243-1

- 10.0mm heavy curved jaws, inbuilt cutting edge, distal jaw
- Barrett balanced set handle with lock, tag spring
- Length 120.0mm
- Distinctive identification labelling

Barrett Needle Holder (curved)

3-245

- 13.0mm medium curved jaws
- Barrett balanced set handle, tag spring
- Length 120.0mm
- Distinctive identification labelling

Designed for suturing with fine 10-0 needles. Jaws are curved proximately but straight distally providing a unique bi-curve which facilitates suture placement, suture tying in conjunction with Barrett corneal forceps (2-181) or Barrett angled tying forceps (2-193).

Barrett Needle Holder (curved with lock)

3-245-1

- 13.0mm delicate curved jaws
- Barrett balanced set handle with lock, Tag Spring
- Length 120.0mm
- Distinctive identification labelling
**DK Barraquer Needle Holder (straight with lock)**

3-300

- 9.0mm medium straight jaws
- Round handle with lock, hinge spring
- Length 109.0mm

**DK Barraquer Needle Holder (straight)**

3-301

- 9.0mm medium straight jaws
- Round handle, hinge spring
- Length 109.0mm

**DK Barraquer Needle Holder (straight with lock)**

33-300

- 9.0mm medium straight jaws
- Round long handle with lock, hinge spring
- Length 136.0mm

**DK Barraquer Needle Holder (straight)**

33-301

- 9.0mm medium straight jaws
- Round long handle, hinge spring
- Length 136.0mm

**DK Barraquer Needle Holder (curved with lock)**

3-302

- 9.0mm delicate curved jaws
- Round handle with lock, hinge spring
- Length 109.0mm
**NEEDLE HOLDERS AND BLADE HOLDERS**

**DK Barraquer Needle Holder (curved)**

3-303

- 9.0mm delicate curved jaws
- Round handle, hinge spring
- Length 136.0mm

**DK Barraquer Needle Holder (curved with lock)**

33-302

- 9.0mm delicate curved jaws
- Round long handle with lock, hinge spring
- Length 136.0mm

**DK Barraquer Needle Holder (curved)**

33-303

- 9.0mm delicate curved jaws
- Round long handle, hinge spring
- Length 136.0mm

**Nordan Needle Holder (straight)**

3-418

- 7.0mm delicate straight jaws
- Nordan round handle with flats, hinge spring
- Length 120.0mm

**Nordan Needle Holder (straight with lock)**

3-419

- 7.0mm delicate straight jaws
- Nordan round handle with flats, with lock, hinge spring
- Length 120.0mm
Nordan Needle Holder (curved)

3-420

- 7.0mm delicate curved jaws
- Nordan round handle with flats, hinge spring
- Length 120.0mm

Nordan Needle Holder (curved with lock)

3-421

- 7.0mm delicate curved jaws
- Nordan round handle with flats, with lock, hinge spring
- Length 120.0mm

DK Needle Holder (curved)

3-422

- 7.0mm delicate curved jaws
- Round handle, tag spring
- Length 120.0mm

DK Needle Holder (straight)

3-422-1

- 7.0mm delicate straight jaws
- Round handle, tag spring
- Length 120.0mm

DK Needle Holder (curved with lock)

3-423

- 7.0mm delicate curved jaws
- Round handle with lock, tag spring
- Length 120.0mm
**NEEDLE HOLDERS AND BLADE HOLDERS (Continued)**

**DK Needle Holder (straight with lock)**

3-423-1

- 7.0mm delicate straight jaws
- Round handle with lock, tag spring
- Length 120.0mm

**DK Needle Holder (curved)**

3-500

- 10.0mm delicate curved jaws
- Standard handle, tag spring
- Length 110.0mm

**DK Needle Holder (curved with lock)**

3-502

- 11.0mm delicate curved jaws
- Standard handle with lock, tag spring
- Length 110.0mm

**DK Needle Holder (curved)**

3-503

- 11.0mm delicate curved jaws
- Standard handle, tag spring
- Length 110.0mm

**DK Needle Holder (curved)**

3-505

- 12.0mm heavy curved jaws
- Standard long handle, tag spring
- Length 137.0mm
**Guaranteed**

DK is committed to a standard of consistency. Our design-development-manufacturing techniques, with rigid quality control, allows us to achieve the most demanding tolerances to a consistent standard from instrument to instrument.

**DK Titanium Facts ... Benefits of Titanium**

A versatile material, adaptive to the manufacture of even the finest, delicate surgical instrument designs, where accuracy and precision are mandatory. Unlike other metals, subject to corrosion and rust, titanium is corrosive resistant, durable, strong, light weight, nonmagnetic, and anodised to reduce glare under the microscope.
Kudo Nucleus Holder (veterinary use)

6-073V
- Curved, sharp inner sides of tip, tip length 1.25mm
- Cutting edge 0° to axis
- 45° angled shaft, tip to angle length 20.0mm
- Round handle, length 125.0mm

Green Nucleus Divider

6-079
- Curved, sharp inner sides of tip, tip length 1.0mm
- Cutting edge 45° to axis
- 60° angled shaft, tip to angle length 10.0mm
- Round handle, length 123.5mm

DK Nucleus Divider

6-080
- Straight, sharp inner sides of tip, tip length 1.25mm
- Cutting edge 0° to axis
- 45° angled shaft, tip to angle length 14.0mm
- Round handle, length 123.5mm

DK Nucleus Divider

6-081
- Straight, sharp inner sides of tip, tip length 1.25mm
- Cutting edge 45° to axis
- 45° angled shaft, tip to angle length 14.0mm
- Round handle, length 123.5mm

Akahoshi Nucleus Divider

6-081-1
- Straight, sharp inner sides of tip, tip length 1.6mm
- Cutting edge 45° to axis
- 45° angled shaft, tip to angle length 10.0mm
- Short round handle, length 109.0mm

DK Nucleus Divider

6-081-2
- Straight, sharp inner sides of tip, tip length 1.25mm
- Cutting edge 60° to axis
- 45° angled shaft, tip to angle length 14.0mm
- Round handle, length 123.5mm
Khan Barrett Nucleus Divider

6-082
- Straight, sharp inner / outer sides of tip, tip length 1.25mm
- Cutting edge 90° to axis
- 45° angled shaft, tip to angle length 14.0mm
- Round handle, length 123.5mm

Hara Nucleus Divider (straight)

6-083
- Straight, sharp inner sides of tip, tip length 1.1mm
- Cutting edge 45° to axis
- 45° angled shaft, tip to angle length 11.0mm
- Round handle, length 115.0mm

Hara Nucleus Divider (curved)

6-083-1
- Curved, sharp inner sides of tip, tip length 1.1mm
- Cutting edge 45° to axis
- 45° angled shaft, tip to angle length 11.0mm
- Round handle, length 115.0mm

Akahoshi Forward Cutting Nucleus Divider

6-084, 6-084-1*
- Straight, sharp outer sides of tip, tip length 1.75mm
- Cutting edge 0° to axis
- 45° angled shaft, tip to angle length 10.0mm
- Round handle, length 121.0mm

*(Short round handle, length 109.0mm, specify 6-084-1)
Used in conjunction with 6-081 DK nucleus divider. 6-081 is placed over back centre of nucleus from left side port. 6-084 goes through main incision to centre near edge of nucleus. Pull with 6-081 and push with 6-084, opposing instrument in middle of nucleus.

Barrett Duo Nucleus Rotator / Manipulator / Splitter

6-085, 6-085-1*
- Smooth tip manipulator is useful as a nucleus rotator / manipulator in four quadrant nucleofractis techniques. End of manipulator is ideal for retracting iris during phacoemulsification and inserting IOLs. Nucleus splitter used during phacoemulsification techniques such as phaco chop and modified phaco chop procedures.
Inamura Nucleus Divider / Manipulator (ideal for left handed surgeon)

6-086

- Straight, sharp inner sides of tip, tip length 1.1mm
- Cutting edge 45° to axis, angled left
- 45° angled shaft to left, tip to angle length 11.0mm

Ideal for left handed surgeon. Used through right side port. Rotate nucleus with ball end and divide nucleus with divider.

Inamura Nucleus Divider / Manipulator (ideal for right handed surgeon)

6-086-1

- Straight, sharp inner sides of tip, tip length 1.1mm
- Cutting edge 45° to axis, angled right
- 45° angled shaft to right, tip to angle length 11.0mm

Ideal for Right handed surgeon. Used through left side port.

Mackool Phaco Chopper

6-087

- Straight miniature ball shaped tip, tip length 0.6mm
- 45° angled shaft, tip to angle length 10.0mm
- Round handle, length 125.0mm

Refined, delicate tip with vertical chopping element provides easy insertion, manoeuvrable to slip between anterior capsule and nucleus without disengaging nucleus from phaco tip. Polished, blunt ball-shaped tip reduces risk of damage to posterior capsule during chopping manoeuvre.

Little Nucleus Divider

6-088

- Straight, sharp inner / outer sides of tip, tip length 1.25mm
- Cutting edges on centre line forward and reverse in line with handle
- Cuts forward and backward, can pull, push
- Round handle, length 123.5mm
DK Nucleus Divider

6-089

- Curved, blunt tip, tip length 1.6mm
- 45° angled shaft, tip to angle length 12.0mm
- Round handle, length 119.0mm

DK Nucleus Divider Hook

6-090

- Straight, bulbous shape flat tip, tip length 0.62mm x 0.84mm
- Cutting edge 90° to axis
- 45° angled shaft, tip to angle length 11.0mm
- Round handle, length 114.0mm

DK Double Ended Nucleus Divider and Rotator

6-091

Nucleus Divider
- Straight, sharp inner / outer sides of tip, tip length 1.25mm
- Cutting edge 90° to axis
- 45° angled shaft, tip to angle length 14.0mm

Rotator
- 0.7mm forked style tip
- 45° angled shaft, tip to angle length 9.0mm
- Round handle, length 127.5mm

Osher Nucleus Divider (use through left side port)

6-092

- Straight, fork shape tip, for left side port, tip length 0.55mm, fork separation length 0.55mm
- Curved shaft, tip to curve length 6.5mm
- Round handle, length 124.0mm

Designed for nuclear fracture, chopping and manipulation of segments.
**Osher Nucleus Divider (use through right side port)**

6-092-1

- Curved shaft, tip to curve length 6.5mm
- Straight, fork shape tip, for right side port, tip length 0.55mm, fork separation length 0.55mm
- Round handle, length 124.0mm

**DK Nucleus Divider**

6-093

- Straight, blunt tip, tip length 1.0mm
- 45° angled shaft, tip to angle length 12.0mm
- Round handle, length 125.0mm

**Akahoshi Nucleus Sustainer**

6-095

- 0.5mm diameter bulbous tip, tip length 1.5mm
- 45° angled shaft, tip to angle length 10.0mm
- Short round handle, length 109.0mm

Placed to sustain nucleus. Used in conjunction with 2-815 and 2-816 series Akahoshi prechop forceps.

**Mackool Capsule Retractor and IOL Guide**

6-466

- 0.25mm tip
- 45° angled shaft, tip to angle length 12.0mm
- Round handle, length 121.5mm

Used in minimizing capsular stress during insertion of trailing IOL haptic, especially when capsulorhexis is not intact or zonular laxity is present. Open hook proximal to tip gently retracts anterior capsule. Distal concave end is used as a guide while trailing haptic is maintained when dialling in IOL. In this manner, there is no direct contact of haptic against capsular edge, thus avoiding unwanted stress to capsule and / or zonule.
Steele Nucleus Rotator / Manipulator / Spatula

6-468

- Delicate tip manipulator
- 45° angled shaft, tip to angle length 13.0mm

Rotator / Manipulator

Spatula
- 0.75mm spatula
- 45° angled shaft, tip to angle length 10.0mm
- Round handle, length 148mm

DK Double Ended Spatula / IOL Manipulator / Rotator

6-469

- 0.55mm spatula
- 45° angled shaft, tip to angle length 11.5mm

Spatula

IOL Manipulator / Rotator
- 0.65mm forked tip
- 45° angled shaft, tip to angle length 9.0mm
- Round handle, length 125mm

DK Double Ended Spatula / IOL Manipulator / Rotator

6-469-1

- 0.55mm spatula
- 45° angled shaft, tip to angle length 11.5mm

Spatula

IOL Manipulator / Rotator
- 0.65mm delicate forked tip
- 45° angled shaft, tip to angle length 9.0mm
- Round handle, length 125mm

Bechert Nucleus Rotator

6-470

- 0.75mm tip, tip vertically oriented
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 116.0mm
**DK Bechert Nucleus Rotator**

6-470-1

- VIEW ON ARROW
- 0.75mm tip, tip horizontally oriented
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 116.0mm

**Barrett Nucleus Rotator / Manipulator**

6-472, 6-472-1*

- 0.65mm mushroom style tip
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 120.0mm
- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

*(0.65mm Mushroom style tip, round handle, length 120.0mm, specify 6-472-1)*

Multipurpose, eliminates need for multiple hooks and second instruments. Used as a second instrument to facilitate rotation and manipulation of nucleus as cracking. Mushroom style tip minimizes chance of inadvertent damage to capsule while manipulating nuclear quadrants. Used to rotate and dial IOL within capsular bag. In presence of a small capsulorhexis, two manipulators are used in a two handed manoeuvre allowing retraction of capsule or pupil with one manipulator and rotation and dialling with a second manipulator. Manipulator is well suited to retracting iris in an atraumatic fashion, and two manipulators can stretch a small pupil prior to phacoemulsification.

**Yalon Nucleus Divider**

6-473

- 0.65mm forked tip
- 45° angled shaft, tip to angle length 15.0mm
- Round handle, length 116.5mm

Vertically oriented forked tip fits well into any nucleus crack, therefore, manoeuvres and splits easily. Rounded smooth edges of fork protect posterior capsule. Vertical design assists in rotating soft nucleus. Also, used to manipulate nucleus into phacoemulsification port. Bulb or “valve” may be lodged in paracentesis incision site, keeping anterior chamber fluids from escaping.

**Steele Nucleus Rotator**

6-474

- 45° angled shaft, tip to angle length 10.0mm
- Round handle, length 123.0mm
Brazier Nucleus Rotator

6-475

- 1.3mm blunt tip
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 118.0mm

Mackool Nucleus Rotator / Elevator

6-476

- 0.75mm tip
- 45° angled shaft, tip to angle length 12.0mm
- Round handle, length 120.0mm

Forked tip provides superb purchase on nucleus for rotation or elevation of nuclear sections.

Pearce Nucleus Divider / Separator

6-477

- 0.85mm blunt tip
- Straight shaft
- Round handle, length 129.0mm

Pearce Nucleus Divider / Separator

6-478

- 0.85mm blunt tip
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 126.0mm

John Cracker / Spreader

6-486

- 45° angled shaft, tip to angle length 9.0mm
- Round handle, length 117.0mm

Second Instrument - For side port incision. Assists in rotating nucleus in a carousel type fashion, Grade 1 and 2. Helpful in making first and second cracks, Grade 2 and 4. After first crack, rotate nucleus slightly and with phaco tip bevel towards first central crack, dig into remaining part of hemisphere and separate. Rotate bevel of tip 180° and after slight rotation of remaining nuclear fragments, aspirate remaining half of first hemisphere. Spin last hemisphere with instrument’s tip and aspirate.
**DK Nucleus Rotator (right handed surgeon)**

6-490

- 0.2mm tip, 1.75mm tip length, curved to right
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 120.0mm

**DK Nucleus Rotator (left handed surgeon)**

6-490-1

- 0.2mm tip, 1.75mm tip length, curved to left
- Angled shaft, tip to angle length 10.0mm
- Round handle, length 120.0mm

**DK Nucleus Rotator (right handed surgeon)**

6-491

- 0.2mm tip, 1.5mm tip length, curved to right
- 45° angled shaft, tip to angle length 10.0mm
- Round handle, length 120.0mm

**DK Nucleus Rotator (left handed surgeon)**

6-491-1

- 0.2mm tip, 1.5mm tip length, curved to left
- 45° angled shaft, tip to angle length 10.0mm
- Round handle, length 120mm

**Bloomberg Nucleus Rotator and Capsule Retractor**

6-492

- 50° angled shaft, tip to angle length 12.0mm
- Round handle, length 123.0mm

Tip design allows rotation, stabilization and manipulation of nucleus in either direction. May be used to retract iris if pupil is small.
Brazier Nucleus Rotator

6-495

- 0.75mm blunt tip
- Curved shaft, tip to curve length 23.0mm
- Round handle, length 118.0mm

Drysdale Rotator

6-496

- 0.5mm tip with 1.25mm paddle
- 45° angled shaft, tip to angle length 10.0mm
- Round handle, length 125.0mm

DK Nucleus Spear and Rotator

6-497

Nucleus Spear
- 0.8mm x 3.2mm tip
- 45° angled shaft, tip to angle length 10.0mm

Rotator
- 0.85mm tip
- 45° angled shaft, tip to angle length 10.0mm
- Round handle, length 141.0mm

PHACO WRENCHES

DK Phaco Wrench

8-001

- For use with Alcon series 20000® LEGACY®

DK Phaco Wrench

8-006

- For use with Alcon series 10000® MASTER®
**PUNCHES**

**Membrane**

*Khaw Paediatric Descemet Membrane Punch*

7-101

- Designed to punch 0.3mm x 0.5mm
- Squeeze action handle activates shaft to punch
- Round squeeze handle, length 131.0mm

**Khaw Descemet Membrane Punch**

7-102

- Designed to punch 0.75mm x 0.5mm
- Squeeze action handle activates shaft to punch
- Round squeeze handle, length 131.0mm

**DK Descemet Membrane Punch**

7-105

- Designed to punch 0.7mm x 1.2mm
- Squeeze action handle activates shaft to punch
- Round squeeze handle, length 130.0mm

**DK Descemet Membrane Punch**

7-110

- Designed to punch 1.5mm x 0.75mm
- Squeeze action handle activates shaft to punch
- Round squeeze handle, length 145.0mm
Cataract Support System

Mackool Cataract Support System

6-140

- 0.3mm x 2.5mm hook

Used for patients with poor zonular support during routine phaco. Example: Capsulorhexis has been performed and phaco begun. Extreme zonular weakness is discovered, phaco tip is removed from eye and chamber is filled with viscoelastic; individual Retractors are inserted to capture margins of capsulorhexis. Gradual tightening of each retractor provides excellent fixation of capsular sac and fornices. Phaco and cortex removal are completed in standard fashion (this is in contrast to situations when an endocapsular ring has been inserted and cortex removal is extremely difficult due to entrapment of cortex by the ring). After cortex removal, an endocapsular ring is inserted and the Mackool Cataract Support System / Retractors are removed through phaco incision. Mackool holder and sterilizing case recommended (6-135)

Iris (Also refer to section Forceps - Iris Retractor)

Osher Iris Retractor

6-123

- 0.55mm diameter tip
- Straight shaft
- Round handle, length 124.0mm

Rounded configuration for gentle iris push or pull manipulation allowing visualization of critical anatomy.

Osher Iris Tuck Eliminator / IOL Underhook

6-124

- 0.15mm x 0.5mm 0.3mm bend to tip
- Angled shaft, tip to angle length 121.0mm
- Round handle, length 121.0mm

Designed to prevent iris tuck with an anterior chamber IOL by flex, lift and reposist. Very useful in explantation of posterior chamber IOL.

Mackool Iris Retractor

6-130

- Tip to block length 3.17mm
- Supplied as (1) one each

Provides reversible pupil enlargement; eliminates guesswork and dangers of working with a small pupil. Inserted through limbus; used with 6-465 Mackool iris repositor and 2-830 Mackool iris retractor forceps. 6-135 Mackool holder and sterilizing case recommended.
**LASIK**

*Buratto Retractor*

6-874

- 6.0mm x 3.0mm
- Round handle, length 125.0mm

*Designed to retract and protect hinge.*

**Lid**

*Desmarres Lid Retractor (size 0)*

6-628

- Blade width 11.0mm
- Flat handle, length 134.0mm

**Rabkin Lid Retractor**

Textured Surface

6-629

- Blade width 15.5mm
- Flat handle, length 134.0mm
- Non-reflective finish, textured surface top face

*Lower lid retractor designed to function as a broad backstop in carbon dioxide laser transconjunctival blepharoplasty.*

**Plate**

*Rabkin Laser Blepharoplasty Plate*

6-665

- 20.0mm wide
- 24.0mm wide
- Inside / underside highly polished

*Partial matt finish
- Length 111.0mm
- Non-reflective finish*

*For use in carbon dioxide laser upper lid and transconjunctival blepharoplasty as well as to retract eyelashes in laser resurfacing of skin.*
Capsule, Capsulotomy, Vannas
Conjunctival
Corneal and Corneal Section
Diamond (Also refer to section Calipers - Diamond)
Haptic Cutter
Iris
Retinal
Utility and Westcott
Vannas (Also refer to section Capsule, Capsulotomy, Vannas)

Capsule, Capsulotomy, Vannas

Vannas Scissors (straight)

1-110

• Sharp tips, straight blades
• Cut length 5.0mm, tip to pivot length 9.0mm
• Standard handle, length 95.0mm

DK Vannas Scissors (straight)

1-110B

• Blunt tips, straight blades
• Cut length 5.0mm, tip to pivot length 9.0mm
• Standard handle, length 95.0mm

Vannas Scissors (curved)

1-111,1-111-1*

• Sharp tips, curved blades
• Cut length 5.0mm, tip to pivot length 9.0mm
• Standard handle, length 95.0mm

*(Sharp tips, curved blades, cut length 3.0mm, standard handle, length 93.0mm, Specify 1-111-1)

DK Vannas Scissors (curved)

1-111B

• Blunt tips, curved blades
• Cut length 5.0mm, tip to pivot length 9.0mm
• Standard handle, length 95.0mm
**DK Vannas Scissors (curved)**

1-111D

- Sharp tips, curved blades
- Cut length 5.0mm, tip to pivot length 9.0mm
- Dolphin handle, length 95.0mm

**DK Vannas Scissors (angled)**

1-112

- Sharp tips, angled blades
- Cut length 5.0mm, tip to pivot length 9.0mm
- Standard handle, length 95.0mm

**DK Vannas Scissors (angled)**

1-112B

- Blunt tips, angled blades
- Cut length 5.0mm, tip to pivot length 9.0mm
- Standard handle, length 95.0mm

**DK Capsule Scissors (curved)**

1-113

- Blunt tips, curved blades
- Cut length 5.0mm, tip to pivot length 9.0mm
- Standard handle, length 95.0mm

**DK Capsule Scissors (curved)**

1-116

- Blunt tips, curved blades
- Cut length 6.0mm, tip to pivot length 11.0mm
- Standard handle, length 97.0mm
**SCISSORS** (Capsule, Capsulotomy, Vannas Continued)

**DK Vannas Scissors (straight)**

1-120, 1-120-1*

- Sharp tips, straight blades
- Cut length 9.0mm, tip to pivot length 15.0mm
- Standard handle, length 101.0mm

*(Sharp tips, straight blades, ION treated tips, standard handle, specify 1-120-1)*

**DK Vannas Scissors (curved)**

1-121, 1-121-1*

- Sharp tips, curved blades
- Cut length 9.0mm, tip to pivot length 15.0mm
- Standard handle, length 101.0mm

*(Sharp tips, curved blades, ION treated tips, standard handle, specify 1-121-1)*

**Gills Welsh Vannas Scissors (angled)**

1-122

- Sharp tips, angled blades
- Cut length 9.0mm, tip to pivot length 16.5mm
- Standard handle, length 98.0mm

**Anis Capsulotomy Scissors (angled)**

1-216

- Sharp tips, angled blades
- Cut length 6.0mm, tip to pivot length 14.0mm
- Anis round handle, length 108.0mm

**DK Gills Vannas Scissors (angled)**

1-312

- Sharp tips, angled blades
- Cut length 6.0mm, tip to pivot length 11.5mm
- Standard handle, length 95.0mm
DK Gills Vannas Scissors (angled)

1-312B

- Blunt tips, angled blades
- Cut length 6.0mm, tip to pivot length 11.5mm
- Standard handle, length 95.0mm

Pearce Capsule Scissors

1-600

- Sharp tips, curved blades
- Cut length 7.0mm, tip to pivot length 22.0mm
- Standard handle, length 108.0mm

Osher Reverse Cutting Scissors

1-620

- 19 gauge
- Sharp cutting tip, straight blade
- Squeeze action activates scissors blade
- Round squeeze handle, length 148.0mm

Permits cutting towards surgeon. May be introduced through a small incision and will cut iris, capsule or synechiae. Useful in subincisional sphincterotomy, enlarging capsulorhexis and subincisional synechiolysis.

Anis Micro Scissors

1-840

- 20 gauge, 40.0mm long shaft
- Squeeze action activates top jaw of scissors
- Round squeeze handle, length 165.0mm

Useful for cutting iris and capsule tissue.

Conjunctival

Anis Conjunctival Utility Scissors (angled)

1-214

- Blunt tips, angled blades
- Cut length 6.0mm, tip to pivot length 12.0mm
- Anis round handle, length 105.0mm
SCISSORS (Conjunctival Continued, Corneal and Corneal Section)

Barrett Conjunctival Utility Scissors (angled)

1-225

- Blunt tips, angled blades
- Cut length 12.0mm, tip to pivot length 20.0mm
- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

Designed to cut and undermine conjunctival tissue, cut sutures, as well as incise plastic drape.

Osher Universal Conjunctival Micro Scissors

1-227

- Blunt tips, slightly curved blades
- Cut length 9.0mm, tip to pivot length 21.0mm
- Standard handle, length 116.0mm

Fine blades, suitable for precise bevelled incision opening.

Corneal and Corneal Section

DK Castroviejo Miniature Corneal Scissors (curved)

1-118

- Blunt tips, curved blades
- Universal cutting blades
- Cut length 6.0mm, tip to pivot length 11.0mm
- Standard handle, length 116.0mm

Barrett Micro Scissors (curved)

1-221,1-221-1*

- Blunt tips, slightly curved blades
- Cut length 5.0mm, tip to pivot length 12.0mm
- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

*(Blunt tips, slightly curved blades, ION treated tips, cut length 5.0mm, Barrett balanced set handle, specify 1-221-1)

Fine blades, designed with sufficient length, suitable for iridectomy, iridotomy, sphincterotomy as well as cutting 10.0 nylon suture.

Barrett Corneal Scissors (curved)

1-223

- Blunt tips, curved blades
- Universal cutting blades
- Cut length 5.0mm, tip to pivot length 11.0mm
- Barrett balanced set handle, length 120.0mm
- Distinctive identification labelling

Designed for penetrating keratoplasty, or for surgeons who may require Scissors for enlargement of cataract incision.
**Castroviejo Corneal Scissors (curved to right)**

1-400

- Blunt tips, curved blades, right
- Cut length 5.0mm, tip to pivot length 11.0mm
- Standard handle, length 95.0mm

**Castroviejo Corneal Scissors (curved to left)**

1-401

- Blunt tips, curved blades, left
- Cut length 5.0mm, tip to pivot length 11.0mm
- Standard handle, length 95.0mm

**Castroviejo Corneal Scissors (curved to right)**

1-410

- Blunt tips, curved blades, right
- Cut length 5.0mm, tip to pivot length 11.0mm
- Standard handle, length 113.0mm

**Castroviejo Corneal Scissors (curved to left)**

1-411

- Blunt tips, curved blades, left
- Cut length 5.0mm, tip to pivot length 11.0mm
- Standard handle, length 113.0mm

**Haptic Cutter**

* Bloomberg Haptic Cutter

1-800

- 20 gauge, 34.0mm long shaft
- Squeeze action activates jaws to sever haptic
- Round squeeze handle, length 158.0mm

*Shaft and tip design provide ease in manipulating and cutting IOL haptics within anterior chamber or posterior to iris.*
Osher Haptic Cutter

1-805

- 20 gauge, 20.0mm long shaft
- Squeeze action activates mechanism to sever haptic
- Round squeeze handle, length 145.0mm

Grasps haptic. When handle is squeezed, haptic is severed.

Iris

DK Iris Scissors (straight)

1-210

- Sharp tips, straight blades
- Cut length 4.0mm, blade length 11.0mm
- Round handle, length 107.0mm

DK Iris Scissors (straight)

1-210B

- Blunt tips, straight blades
- Cut length 4.0mm, blade length 11.0mm
- Round handle, length 107.0mm

DK Iris Scissors (curved)

1-211

- Sharp tips, curved blades
- Cut length 5.0mm, blade length 11.0mm
- Round handle, length 107.0mm

DK Iris Scissors (curved)

1-211B

- Blunt tips, curved blades
- Cut length 5.0mm, blade length 11.0mm
- Round handle, length 107.0mm
**DK Iris Scissors (angled)**

1-212

- Sharp tips, angled blades
- Cut length 5.0mm, blade length 14.0mm
- Round handle, length 107.0mm

**DK Iris Scissors (angled)**

1-212B

- Blunt tips, angled blades
- Cut length 5.0mm, blade length 14.0mm
- Round handle, length 107.0mm

**Retinal**

**DK Retinal Scissors**

1-845

- 20 gauge, 40.0mm long shaft
- Squeeze action activates top jaw of scissors
- Round squeeze handle, length 165.0mm

**Utility and Westcott**

**Westcott Style Stitch Scissors (straight)**

1-500

- Semi-sharp tips, straight blades
- Cut length 12.0mm, blade length 20.0mm
- Standard handle, length 116.0mm

**DK Westcott Style Stitch Scissors (straight)**

1-500B

- Blunt tips, straight blades
- Cut length 12.0mm, blade length 20.0mm
- Standard handle, length 116.0mm
Westcott Style Stitch Scissors (curved)

1-501

- Semi-sharp tips, curved blades
- Cut length 12.0mm, blade length 20.0mm
- Standard handle, length 116.0mm

DK Westcott Style Stitch Scissors (curved)

1-501B

- Blunt tips, curved blades
- Cut length 12.0mm, blade length 20.0mm
- Standard handle, length 116.0mm

Westcott Style Tenotomy Scissors (curved)

1-510

- Blunt tips, curved blades
- Cut length 12.0mm, blade length 20.0mm
- Standard handle, length 116.0mm

Custom Instrument Design and Development

DK produces hundreds of custom instruments a year to accommodate new or modified surgical techniques. Our technical design-engineering group will assist you with your instrument needs.
Schocket Double Ended Scleral Depressor

6-635

- 2.5mm round and 6.0mm cylinder tips
- Ridged flat handle, length 135.0mm

DK Schocket Double Ended Scleral Depressor

6-635-1

- 2.5mm round and 4.0mm cylinder tips
- Ridged flat handle, length 135.0mm

Rassam Scleral Indentor

6-636

- 7.2mm convex and 7.2mm concave tips
- Ridged flat handle, length 127.5mm

Double ended for both diagnosis and management of retinal detachments. Convex and concave surface(s). Convex surface: radius of curvature 10.0mm to produce high indent in eyes up to 20.0mm axial lengths. Concave surface: radius of curvature 14.0mm conforms to eyes up to 28.0mm axial lengths. Length of 7.0mm provides one clock hour of indentation. Angled tips provide optimum globe indentation, away from orbital rim. Instrument’s shaft is away from globe and will not produce confusing indentation of eye.

DK Scleral Depressor Pocket Clip

6-637

Clips to (6-635) Schocket double-ended scleral depressor and (6-636) Rassam scleral indentor
SCLERAL SUPPORT BANDS

DK Scleral Support Bands

6-600

- Three bands supplied as one (1) each (small, medium, large)
- Small (11.8mm inside diameter, 15.0mm outside diameter)

Supports cornea during corneal graft

SHIELDS

Rabkin Eye Shield

6-667

- 20.5mm wide x 23.5mm long
- Top side matt finish
- Underside highly polished

Eye Shield with centrally mounted stem to facilitate placement and removal.

Egi Rabkin Eye Shield

6-667-2

- 19.0mm wide x 24.0mm long
- Top side matt finish
- Underside highly polished

Egi Rabkin Eye Shield

6-667-3

- 18.5mm wide x 23.5mm long
- Top side matt finish
- Underside highly polished

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Ophthalmic Titanium Surgical Instrument Manufacturer
www.duckworth-and-kent.com
**SHIELDS (Continued)**

_Egi Rabkin Eye Shield_

6-667-4

- 18.0mm wide x 23.0mm long
- Top side matt finish
- Underside highly polished
- Supplied as one (1) each

_DK Eye Shield_

6-668

- Each shield 28.0mm wide x 48.0mm long
- Outside matt finish
- Inside highly polished
- Supplied with headband

**SPATULAS**

_Mackool Barraquer Spatula_

6-099

- 0.45mm x 0.25mm
- Angled shaft, tip to angle length 15.0mm
- Round handle, length 116.0mm

Blunted 0.5mm tip, modified shape and design in order to minimize incision leakage during use and reduce risk of posterior capsule damage.
**DK Castroviejo Style Cyclodialysis Spatula**

6-100

- 0.7mm width, 13.0mm curved spatula blade
- Slightly curved shaft
- Round handle, length 118.0mm

**DK Barraquer Style Iris Spatula**

6-101

- 0.25mm width, 15.0mm curved spatula blade
- Round handle, length 116.0mm

**DK Castroviejo Style Double Ended Synechia Spatula**

6-102

- 0.5mm width, 10.0mm and 15.0mm curved spatula blades
- Round handle, length 138.0mm

**DK Double Ended Spatula**

6-103

- 0.8mm diameter, double ended
- Angled shaft, tip to angle length 12.0mm
- Round handle, length 143.0mm

**DK Double Ended Spatula (for repositioning epithelial flap)**

6-103-1

- 0.8mm diameter, double ended
- 45° angled shaft, tip to angle length 12.0mm, curved shaft
- Round handle, length 139.0mm
**Pearce Suture Spatula**

6-104

- 0.2mm pointed tip
- Angled shaft, tip to angle length 6.0mm
- Round handle, length 123.0mm

**Barrett Double Ended Spatula**

6-105

- Flattened tip
  - 0.2mm x 0.5mm highly polished
  - 45° angled shaft, tip to angle 8.0mm
- Rounded tip
  - 0.6mm tip
  - 45° angled shaft, tip to angle 8.0mm
  - Round handle, length 121.0mm

**Thornton Malleable Spatula**

6-106

- 0.5mm x 0.25mm spatula tip
- Pure titanium malleable shaft
- Round handle, length 126.0mm

Crack and rotate nucleus, manoeuvring nucleus fragments to phaco aspiration port. Also useful to manoeuvre iris.

**DK Rounded Spatula**

6-107

- 0.3mm x 0.65mm round tip
- 45° angled curved shaft, tip to angle length 11.0mm
- Round handle, length 123.5mm
Rabkin Laser Spatula

6-660

- 4.0mm x 0.2mm
- 45° angled shaft, tip to angle length 20.0mm
- Non-reflective finish, textured surface top face
- Round handle, length 120mm

Utilized as a backstop to open orbital septum in carbon dioxide laser blepharoplasty.

Egi Laser Spatula

6-661

- Curved blade with textured surface
- 45° angled shaft, tip to angle length 25.0mm
- Round handle, length 130.0mm

Buratto LASIK Oval Spatula

6-870

- 1.3mm curved blade
- 35° angled curved shaft, tip to angle length 10.5mm
- Round handle, length 122.0mm

Designed to raise flap during LASIK.

Buratto LASIK Oval Spatula

6-870-1

- 1.3mm curved blade
- 60° angled curved shaft, tip to angle length 10.5mm
- Round handle, length 119.0mm
Buratto Double Flap Spatula

6-871

- 4.75mm hemi-disc spatula tips
- 30° angled curved shafts, tip to angle length 11.4mm
- Round handle, length 114.0mm

Designed to protect stromal portion of flap close to hinge.

Buratto LASIK Retractor / Spatula

6-875

Retractor
- 0.8mm x 3.0mm flattened tip
- 45° angled shaft, tip to angle length 7.0mm

Spatula
- 0.5mm x 0.2mm flattened tip
- Slightly curved shaft
- Round handle, length 117.0mm

Ogawa LASIK Spatula and Flap Protector

6-876

Flap protector
- 7.5mm x 3.0mm flattened tip
- 55° angled shaft, tip to angle length 4.0mm

Spatula
- 0.45mm x 0.8mm oval highly polished tip
- 55° angled shaft, tip to angle length 10.5mm
- Round handle, length 115.5mm

Two-in-one instrument decreases instrument tray clutter and keeps flap protector easily accessible. Spatula has tapered tip for ease of insertion under corneal flap. Polished surface on spatula minimizes friction, drag, and distortion of flap. Flap protector has a micro-lip on its tip to allow for additional retraction of flap when needed.

DK Paton Spatula

9-820

- 6.0mm x 0.2mm spatula tip
- 2.0mm x 0.2mm spatula tip

- 30° angled shaft, tip to angle length 7.0mm
- Ridged flat handle, length 131.0mm
(Also refer to section Retractors)

**Barraquer Adult Speculum**

9-550

- Closed blades
- Single piece construction

9-551

- Closed blades
- Angled to rest temporally
- Single piece construction

9-552

- Closed blades
- Angled to rest nasally
- Single piece construction

9-552F

- Closed blades, heavy
- Angled to rest nasally
- Single piece construction

**Kratz Barraquer Speculum**

9-555

- Open blades
- Single piece construction
Kratz Barraquer Speculum

9-556
- Open blades
- Angled to rest temporally
- Single piece construction

Kratz Barraquer Speculum

9-556F
- Open blades, heavy
- Angled to rest temporally
- Single piece construction

Kratz Barraquer Speculum

9-557
- Open blades
- Angled to rest nasally
- Single piece construction

DK Speculum

9-559
- Large closed blades
- Curved to rest temporally
- Single piece construction

DK Speculum

9-559-1
- Reduced spring pressure
- Large closed blades
- Curved to rest temporally
- Single piece construction
DK Speculum

9-560

- Closed blades
- Curved to rest temporally
- Single piece construction

DK Speculum

9-560-1

- Open blades
- Curved to rest temporally
- Single piece construction

DK Speculum

9-561

- Closed blades
- Angled to rest temporally
- Single piece construction

DK Speculum

9-562

- Closed blades
- Angled to rest nasally
- Single piece construction
**SPECULA** (Continued)

*Bloomberg Solid Blade Speculum*

9-565

- Solid blades
- Angled to rest nasally
- Single piece construction

*Malleable for easy configuration, leaving work area unencumbered. Solid blades keeps lashes out of way.*

*Bloomberg Solid Blade Speculum*

9-566

- Solid blades
- Angled to rest temporally
- Single piece construction

*Fish Speculum*

9-568

- Partially open, large curved upper blades, heavy
- Angled to rest temporally
- Single piece construction

*Designed to be used for phacoemulsification with topical anaesthesia. Speculum is sturdy and resists eyelid movement. Designed with bevelled edges to prevent snagging of phaco tip on speculum.*
Fish Speculum

9-569

- Partially open, large curved upper blades, heavy
- Angled to rest nasally
- Single piece construction

Barraquer Paediatric Speculum

9-570

- 14.5mm closed blades
- Single piece construction

Barraquer Paediatric Speculum

9-571

- 6.0mm solid closed blades
- Single piece construction

Barraquer Paediatric Speculum

9-571-1

- 6.0mm solid closed blades
- Angled to rest temporally
- Single piece construction
Barraquer Paediatric Speculum

9-571-2

- 6.0mm solid closed blades
- Angled to rest nasally
- Single piece construction

Barraquer Paediatric Speculum

9-572

- 6.0mm solid closed blades
- Single piece construction

Barraquer Paediatric Speculum

9-573

- 9.0mm solid closed blades
- Angled to rest temporally
- Single piece construction

Kratz Barraquer Paediatric

9-575

- 14.5mm open blades
- Single piece construction
Thornton Comfort Speculum

9-580F

- Open blades
- Single piece construction

Finer, delicate speculum blades provide comfort for patient. Functionally designed with open blades to minimize interference with intraocular instrumentation.

Thornton Comfort Speculum

9-581F

- Open blades
- Angled to rest temporally
- Single piece construction

Thornton Comfort Speculum

9-582F

- Open blades
- Angled to rest nasally
- Single piece construction
Williams Adjustable LASIK Speculum

9-583

- Open blades
- Angled to rest temporally
- Adjustable with thumb screw

Designed to achieve maximum comfortable exposure of eye for suction ring placement to allow microkeratome to be easily positioned on the pivot post without obstruction during LASIK surgery. Lengthened speculum blades accommodate microkeratome. Simplicity and elegance of design allows speculum to be used in other types of ocular surgery.

Williams Adjustable LASIK Speculum

9-583-1

- Open blades
- Angled to rest nasally
- Adjustable with thumb screw

Williams LASIK Speculum

9-584

- Open blades
- Angled to rest temporally
Williams LASIK Speculum

9-584-1

- Open blades
- Angled to rest nasally

Cionni Speculum

9-585

- Ideal for surgeon performing anterior segment procedures from a temporal approach
- Nasal placement frees temporal aspect to provide total access to temporal limbus
- Self-locking mechanism ideal for topical anaesthesia since it prevents speculum from sticking or hanging up during procedure when patient blinks or squeezes
- Open piece design, without telescoping or sliding arms, prevents speculum from sticking or hanging up after repeated use

Placed into palpebral fissure with locking mechanism situated nasally. Thumb plates are pressed together to open and capture lids. Crossing arms lock at four positions to accommodate various size palpebral fissures. Pressing thumb plates further releases locking mechanism, allowing surgeon easy removal of speculum. Releasable without opening to fullest extension, providing comfortable removal even in patients with small palpebral fissures. Used in conjunction with 6-810 Cionni Osher IOL table.

Cionni Osher IOL Table

6-810

When suturing a posterior chamber IOL, table provides a platform to place IOL on for tying or looping suture through eyelets on haptics. Platform is elevated above globe, keeping IOL off cornea, conjunctiva and lids. Designed to swivel so it can moved once no longer needed. Used in conjunction with Cionni speculum (9-585).
**DK Adjustable Speculum**

9-587

- Open parallel blades
- Angled to rest temporally
- Adjustable with thumb screw

**DK Adjustable Speculum**

9-587-1

- Open parallel blades
- Angled to rest nasally
- Adjustable with thumb screw

**Buratto Adjustable Speculum**

9-588

- Open blades
- Angled to rest temporally
- Adjustable with thumb screw

Lightweight, compact and strong. Maximum exposure allows application of suction ring and microkeratome run.
Buratto Adjustable Speculum

9-589

- Open blades
- Angled to rest nasally
- Adjustable with thumb screw

Barrett Adjustable Speculum

9-590

- Open blades
- Angled to rest temporally
- Adjustable with thumb screw

Profile is similar to a wire type Speculum; locking mechanism allows Speculum to resist eyelid squeezing etc., especially during procedures with topical anaesthesia. Construction of Speculum allows maximum exposure, resists eyelid compression and avoids any compression of globe.

Barrett Adjustable Speculum

9-591

- Open blades
- Angled to rest nasally
- Adjustable with thumb screw
Barrett Adjustable Speculum

9-592

- Open blades
- Adjustable with thumb screw

Barrett Adjustable Speculum

9-593

- Solid blades
- Angled to rest nasally
- Adjustable with thumb screw

Little Reversible Speculum

9-594

- Solid blades
- Angled to rest nasally or temporally
- Adjustable with thumb screw

Speculum arms can be pressed, closed together during insertion, beneficial for/with tight eyelids. Truly reversible; can be inserted temporal or nasal. Small, shallow blades provide combined advantage:- allows easy insertion and minimal instrument snagging.
Little Reversible Speculum

9-594-1

- Solid blades
- Angled to rest nasally or temporally
- Adjustable with thumb screw

Little Reversible Speculum

9-594-2

- Open blades
- Angled to rest nasally or temporally
- Adjustable with thumb screw

Mackool Adjustable Speculum

9-595

- Solid blades
- Angled to rest temporally
- Adjustable with thumb screw

Not compressible, therefore, eliminates narrowing of palpebral aperture by squeezing during topical anaesthesia cases. Allows maximum enlargement of interpalpebral space, critical for LASIK procedures. Surgeon's access to globe is unimpaired.
Mackool Adjustable Speculum

9-596

- Solid blades
- Angled to rest nasally
- Adjustable with thumb screw

Eliminates temporal section of speculum. Improves globe access during temporal approach surgery.

DK Adjustable Speculum

9-597

- Solid blades
- Angled to rest temporally
- Adjustable with thumb screw

DK Adjustable Speculum

9-597-1

- Open blades
- Angled to rest temporally
- Adjustable with thumb screw
Lightweight, adjustable speculum may be used for both temporal and nasal approach ocular surgery. Lightweight design avoids excessive pressure on globe.

- Solid blades
- Angled to rest nasally
- Adjustable with thumb screw
Shepard Reversible Speculum

- Closed blades, reversible
- Angled to rest temporally or nasally
- Adjustable with thumb screw

Mandelkorn Shepard Reversible Speculum

- Closed blades, reversible
- Angled to rest temporally or nasally
- Adjustable with thumb screw

DK’s Guaranteed

DK instruments are guaranteed for life against defects in materials and workmanship
Lieberman Trephine

5-1100

Set consists of main trephine body, cam system, diamond knife, packaged in a sterilising tray.

- Used to perform corneal incisions over a complete range of diameters
- Main body contains adjustment for lowering of diamond knife onto cornea, mirror for viewing footplate as it is lowered and centre pointer
- Inner cam diameters 7.5, 8.0, 8.2, 8.5mm
- Diamond knife is designed to cut from 0.0mm to 1.0mm at 0.15mm per revolution

(When re-ordering for silicone tubing, specify B-0926)
Epithelial

*Infeld Epithelial Trephine*

6-920

- 8.0mm with centre pointer
- Round handle, length 104.0mm

*Infeld Epithelial Trephine*

6-920-1

- 8.5mm with centre pointer
- Round handle, length 104.0mm

*DK Epithelial Trephine for LASEK*

6-924

- 8.0mm

*DK 8.0mm Trephine Guide - Alcohol Chamber*

6-944

- Round handle, length 127.5mm
DK Epithelial Trephine for LASEK

6-925

DK 9.0mm Trephine Guide - Alcohol Chamber

6-946

Diamond Bacterial Keratitis Trephine

6-639

Keratitis

Guaranteed

DK is committed to a standard of consistency. Our design-development-manufacturing techniques, with rigid quality control, allows us to achieve the most demanding tolerances to a consistent standard from instrument to instrument.
**TRABECULOTOME**

*Bloomberg Trabeculotome Set*

6-580

- Left and right set

Length, diameter and curve design provides easy threading into Schlemm's Canal. Flat handle design assists in tip orientation and manipulation.

**UTILITY CLAMP AND SERREFINE**

*Utility Clamp*

*Barrett LeClip Utility Clamp*

6-800

- 14.0mm serrated cross action jaws
- Length 82.0mm
- Distinctive identification labelling

Replaces need for a mosquito or artery forces. Holds sutures to drape without piercing plastic drapes.

*Utility Clamp*

*DK Serrefine*

6-805

- 10.0mm serrated cross action jaws
- Length 46.0mm
The DK reference pages include the following:

Sterilizing Trays

IOL Holding / Folding Insertion Techniques

Care and Handling Tips

Instrument Sets by Procedure
Cataract Set (Phacoemulsification)
Iris Retraction and Reconstruction Set
Cataract Support System Set
Cataract Set (Planned ECCE)
Cataract Set (used by Brain Little B.Sc, MA, DO, FRCS, FRCOphth)
LRI Set
Refractive Set
LASEK Set
Astigmatic Keratotomy Set
Radial Keratotomy Set
Corneal Set
Glaucoma Set
Viscocanalostomy Set
Viteroretinal Set
Muscle Set
Lid Set
## STERILIZING TRAYS

*Designed for Autoclaving - Steam and Ethylene Oxide Sterilization Procedures. Silicone mat protects instruments during handling, sterilization and storage.*

<table>
<thead>
<tr>
<th>TRAY CODE</th>
<th>DESCRIPTION</th>
<th>DIMENSIONS</th>
</tr>
</thead>
</table>
| DK7003    | 6 instrument tray  
1 silicone mat  
16.5cm x 10.0cm  
6.5" x 4.0" |  |
| T7000     | Tray for 2 Diamond Knives  
2 silicone bars  
15.2cm x 5.1cm  
6.0" x 2.0" |  |
| T7003-1   | 4 instrument tray  
1 silicone mat  
15.2cm x 7.5cm  
6.0" x 3.0" |  |
| T7010     | 10 instrument tray  
1 silicone mat  
25.4cm x 15.2cm  
10.0" x 6.0" |  |
| T7010-2   | 20 instrument tray  
2 silicone mats  
25.4cm x 15.2cm  
10.0" x 6.0" |  |
| T7020     | 20 instrument tray  
1 silicone mat  
38.1cm x 25.4cm  
15.0" x 10.0" |  |
| T7020-2   | 40 instrument tray  
2 silicone mats  
38.1cm x 25.4cm  
15.0" x 10.0" |  |
| 6-135     | Mackool holder and sterilizing case |  |
| 6-135-1   | DK holder and sterilizing case  
20.0mm diameter x 13.0mm |  |
IOL HOLDING / FOLDING INSERTION TECHNIQUES

HOLDING/FOLDING TECHNIQUE 2-773 / 2-784

1. PICK UP IOL WITH 2-773 FORCEPS
2. FOLDED IOL IN POSITION
3. CLOSE 2-784 FORCEPS TO HOLD IOL
4. REMOVE 2-773 FORCEPS

HOLDING/FOLDING TECHNIQUE 2-775 / 2-780

1. PICK UP IOL WITH 2-775 FORCEPS
2. FOLDED IOL IN POSITION
3. CLOSE 2-780 FORCEPS TO HOLD IOL
4. REMOVE 2-775 FORCEPS

HOLDING/FOLDING TECHNIQUE 2-777 / 2-780

1. PICK UP IOL WITH 2-777 FORCEPS
2. IOL IN POSITION
3. HOLD 2-780 OVER THE TOP OF IOL
4. LOWER 2-780 TO FOLD IOL
5. CLOSE 2-780 TO HOLD IOL
6. REMOVE 2-777 FORCEPS

HOLDING/FOLDING TECHNIQUE 2-778 / 2-781

1. PICK UP IOL WITH 2-778 FORCEPS
2. FOLDED IOL IN POSITION
3. CLOSE 2-781 FORCEPS TO HOLD IOL
4. REMOVE 2-778 FORCEPS
HOLDING/FOLDING TECHNIQUE 2-773 / 2-784

1. PICK UP IOL WITH 2-773 FORCEPS
2. FOLDED IOL IN POSITION
3. CLOSE 2-784 FORCEPS TO HOLD IOL
4. REMOVE 2-773 FORCEPS

HOLDING/FOLDING TECHNIQUE 2-775 / 2-780

1. PICK UP IOL WITH 2-775 FORCEPS
2. FOLDED IOL WITH 2-775
3. IOL IN POSITION
4. CLOSE 2-780 TO HOLD IOL
5. REMOVE 2-775 FORCEPS

HOLDING/FOLDING TECHNIQUE 2-777 / 2-780

1. PICK UP IOL WITH 2-777 FORCEPS
2. IOL IN POSITION
3. HOLD 2-780 OVER THE TOP OF IOL
4. LOWER 2-780 TO FOLD IOL
5. CLOSE 2-780 TO HOLD IOL
6. REMOVE 2-777 FORCEPS

HOLDING/FOLDING TECHNIQUE 2-778 / 2-781

1. PICK UP IOL WITH 2-778 FORCEPS
2. FOLDED IOL IN POSITION
3. CLOSE 2-781 FORCEPS TO HOLD IOL
4. REMOVE 2-778 FORCEPS
CARE AND HANDLING TIPS

Care and Handling Tips - Duckworth & Kent Microsurgical Instruments

Ensure that the working end of your instrument is protected at all times.

- When the instrument is not in use or being sterilized, where appropriate utilise a protective tip that will protect the instrument and withstand sterilization methods.
- Inspect instruments frequently.
- Contact Duckworth & Kent for instrument repairs, special cleaning and refurbishment.

Proper cleaning, disinfecting and sterilization is essential.

- Instruments should be cleaned as soon after use as possible to avoid residues and debris drying on them.
- Where possible mechanical cleaning is the preferred method of cleaning. Duckworth & Kent does not recommend specific detergents, however avoid any acid based products and always follow the guidelines set out by the detergent and mechanical cleaner manufacturer.
- Ultrasonic cleaning may be used where appropriate. Care must be taken not to include instruments with delicate tips in an ultrasonic cleaning cycle.
- Manual cleaning is recommended for Irrigation and Aspiration handpieces.
- Cannulated instruments should be flushed through using sterile water after cleaning.
- It is recommended that instruments be placed in a mesh tray for cleaning purpose. Where possible Duckworth and Kent sterilizing trays, which include "stipple" mats should be used to hold instruments secure to reduce damage during cleaning.
- Where disinfection has not taken place as part of the automated mechanical cleaning process then we recommend it be carried out at this point using a reputable disinfectant. Always follow the guidelines set out by the product manufacturer.
- Moist heat (steam) is the preferred method of sterilization. Duckworth & Kent does not have a preferred system but recommend that for which ever system is chosen the manufacturers guidelines are followed at all times.
- A temperature of up to 150°C is acceptable for all Duckworth & Kent instrumentation.

Care and Handling Tips - Duckworth & Kent Diamond Knives

D&K Diamond blades are laser cut and hand honed from the highest quality gemstone diamonds providing a superfine, exceptionally sharp cutting edge. Under normal circumstances the blade will not deteriorate and the cutting edge will not lose its sharpness unless it is damaged. Always ensure that your diamond knife is handled with care. If possible, keep your diamond knife separate from other instruments and allow only restricted access by your staff.

- Diamond knife blades are most commonly damaged during the cleaning process.
- Diamond knives should be cleaned as soon as possible after use by gently wiping the blade from the back to the tip with a wet cleaning swab. The knife should be washed thoroughly to remove residues and rinsed with sterile distilled water. Never use a saline or salt based solution as it may cause damage to the handle mechanism.
- Diamond knives can be disinfected and sterilized as per the guidelines set out for D&K Microsurgical Instruments.
- Never exert any form of pressure sideways on the blade as it can cause the blade to break across and snap off.
- Diamond blades are often damaged when touching another instrument during use or storage. Diamond blades should be treated as fragile and handled with great care. Rough treatment during care, handling, sterilization, etc; will result in a damaged Diamond Knife. **Always ensure that the Diamond blade is fully retracted into the handle safety position before, during and after sterilization.**
INSTRUMENT SETS BY PROCEDURE

Cataract Set (Phacoemulsification)

2-182........ Barrett Conjunctival Forceps ................................................................. 70
9-590........ Barrett Adjustable Speculum (open blades, temporal) ......................... 202
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