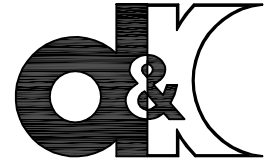


Duckworth & Kent

Ophthalmic Titanium Surgical Instruments
at the Leading Edge



LASIK Instruments

Duckworth and Kent is the first and original manufacturer and supplier of titanium surgical instruments. Working in conjunction with surgeons Duckworth & Kent produces some of the most advanced and innovative instruments available. We are meticulous in our designs and pride ourselves on the quality of our instruments, manufacturing a product with optimum function and efficiency.

Featured in this collection.....

Cannulas, Irrigation & Aspiration Handpieces, Fixation Rings, Forceps, Markers, Spatulas, Specula and optional instruments for LASIK treatment

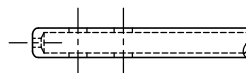
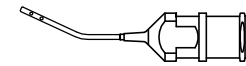
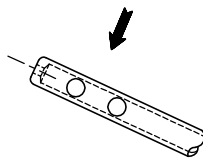
Full Duckworth and Kent product range, refer to.....

Duckworth and Kent Catalogue 2002 Edition or visit us on the web at www.duckworth-and-kent.com and see the extensive product range

Cannulas, Irrigation & Aspiration Handpieces

DK LASIK Cannula

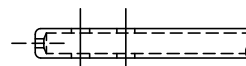
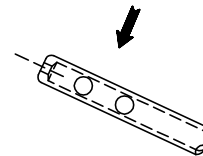
8-604



- 23 gauge
- 0.2mm diameter hole at tip
- Four 0.4mm diameter holes along side of shaft
- 25° Angled shaft, tip to angle length 8.0mm

Buratto LASIK Irrigation Handpiece

8-653, 8-663*

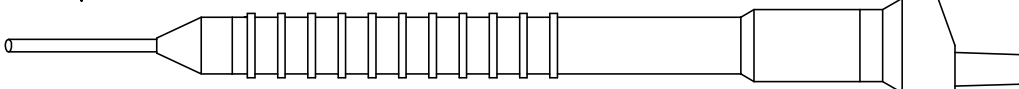
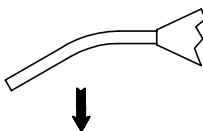


- 23 gauge, 0.65mm tube diameter, 0.4mm irrigation ports x 4, 0.2mm irrigation port at front
- 45° angled shaft, tip to angle length 8.0mm, tip to handle length 18.5mm
- Round handle, length 105.5mm

* (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

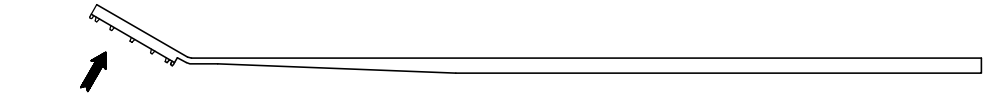
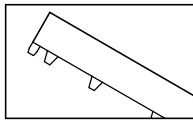


- 16 gauge, 1.6mm tube diameter, 0.5mm aspiration port
- Tip to shaft length 20.0mm
- Round handle, length 134.5mm

Fixation Rings

Stevens Fine Thornton Fixation Ring (right eye)

9-531



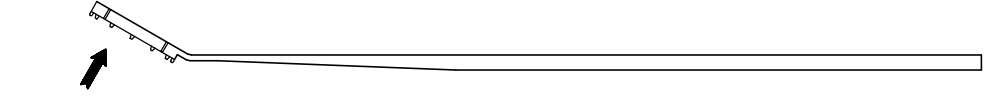
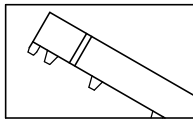
VIEW ON ARROW

- 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



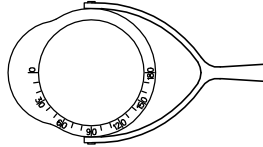
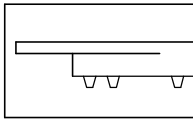
VIEW ON ARROW

- 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

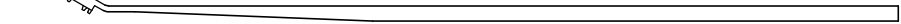
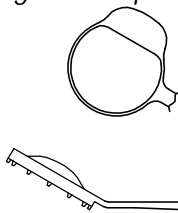
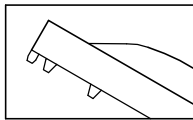
9-532



- 14.0mm fixation ring with 0°-180° in 10° increments
- Pivot swivel round handle, length 120.0mm

Stevens LASIK Fixation Ring with Flap Support (right eye)

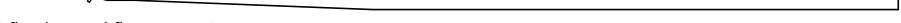
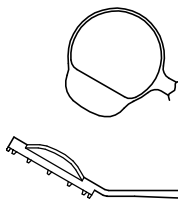
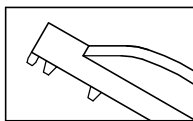
9-533



- 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

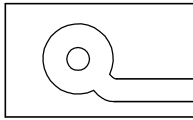


- 12.0mm diameter ring with nine point fixation and flap support
- Fixed flat handle, length 118.0mm

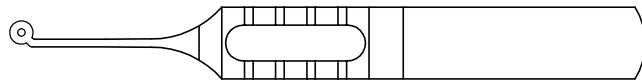
Forceps

Stein Utility / Flap Lifting Forceps

2-795



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

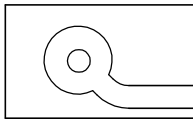


- Standard handle, length 84.0mm

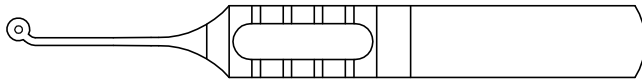
Designed with shortened, small flat ring tips for removal of contact lens at slit lamp biomicroscope. Useful contact lens removal following PRK and other refractive surgical procedures.

DK Stein Flap Lifting Forceps

2-795-1

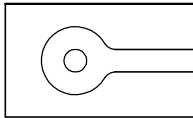


- Small flat ring, inner tip surfaces lightly textured
- 45° angled shafts, tip to angle length 3.5mm
- Standard handle, length 84.0mm



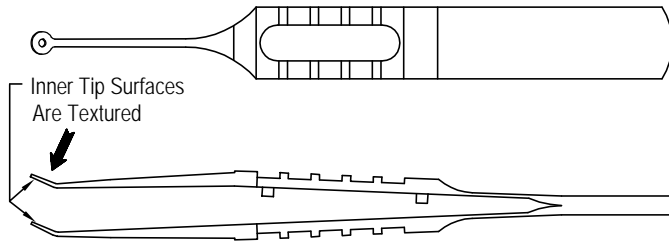
DK Stein Flap Lifting / Utility Forceps

2-798



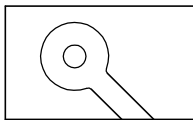
VIEW ON ARROW

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

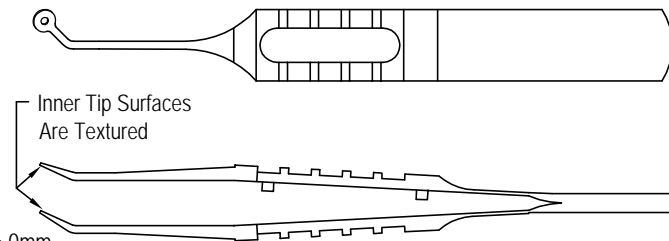


Bates LASIK Retreatment Forceps

2-798-1

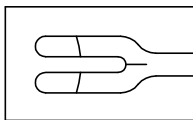


- Small flat ring, inner tip surfaces lightly textured
- 25° angled shafts, tip to angle length 3.5mm
- Tip angled 45° to the right of handle, tip to angle length 6.0mm
- Standard handle, length 84.5mm



Minoda Angled Flap Forceps

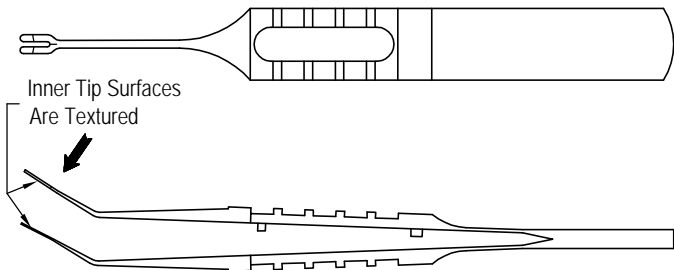
2-799



VIEW ON ARROW

- 30° angled tips, tips to angle length 11.0mm
- 0.7mm slot down centre of tips
- Inside of jaws textured
- Markings on tips indicating the flap edge and centre marking of slot
- Standard handle, length 86.0mm

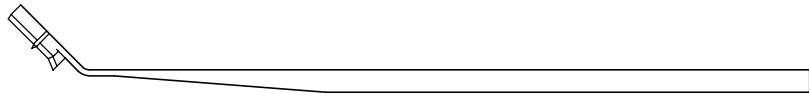
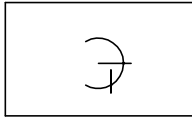
Markings can be used in some cases for easy holding and suturing of the flap.



Markers

Pallikaris LASIK Blade Marker

9-850

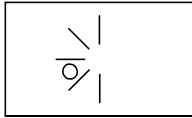


- Flat handle, length 106.0mm

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

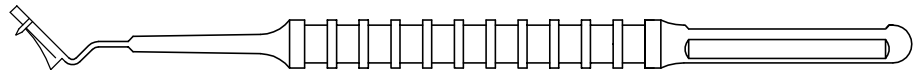
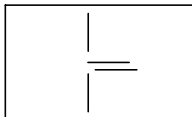


- Lowest profile with radial and circular markings
- Round handle, length 126.0mm

5 radial blades with a smaller circular marking centred at the 8.0mm 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

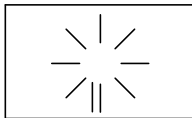


- Two 5.0mm long blades, lowest profile with 3.0mm separation
- Two offset blades, 5.5mm x 1.0mm separation

- Barrett balanced set handle, length 117.0mm

Bennett Thornton LASIK Marker

9-853

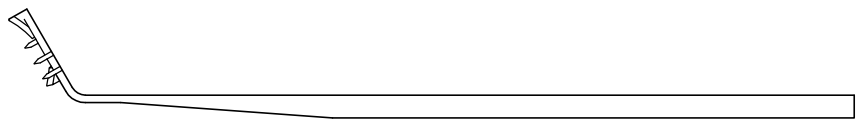
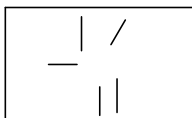


- Lowest profile with eight radial elements and non-radial element
- Round handle, length 126.5mm

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.

DK LASIK Marker

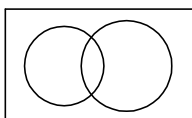
9-854



- Lowest profile with three radial elements and two non-radial elements
- Flat handle, length 112.0mm

Gulani LASIK Marker

9-855



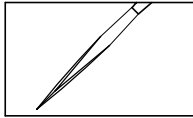
- 3.5mm and 4.0mm intersecting circles
- Round handle, length 119.0mm

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.

Spatulas

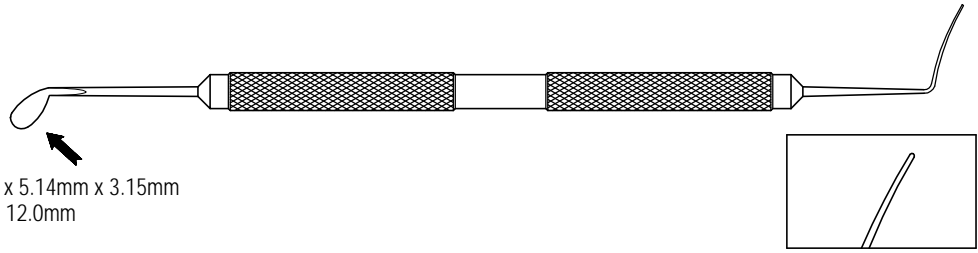
Tutton Double Ended Flat Oval Spatula / Elevator

6-863



VIEW ON ARROW

- Flat broad oval spatula 5.44mm x 5.14mm x 3.15mm
- Elevator length from angle to tip 12.0mm
- Overall length 126.0mm

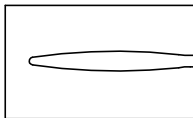


This double ended LASIK instrument consists of a spatula and an elevator. The elevator tip can be used to delineate the edge of a previous LASIK corneal flap, whilst the curved design glides smoothly over the stroma to raise the flap.

The flat broad oval spatula has a sharp edge which enables both the stromal base of the posterior surface of the flap to be debrided of any epithelial cells.

Buratto LASIK Oval Spatula

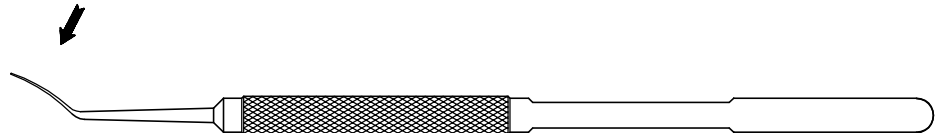
6-870



VIEW ON ARROW

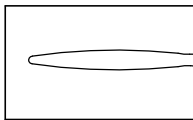
- 1.3mm curved blade
- 35° angled curved shaft, tip to angle length 10.5mm
- Round handle, length 122.0mm

Designed to raise flap during LASIK.



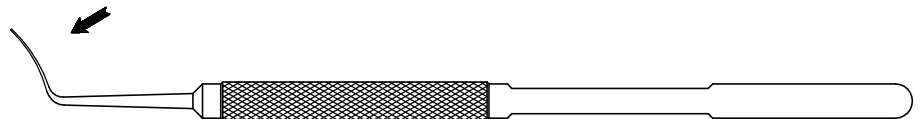
Buratto LASIK Oval Spatula

6-870-1



VIEW ON ARROW

- 1.3mm curved blade
- 60° angled curved shaft, tip to angle length 10.5mm
- Round handle, length 119.0mm

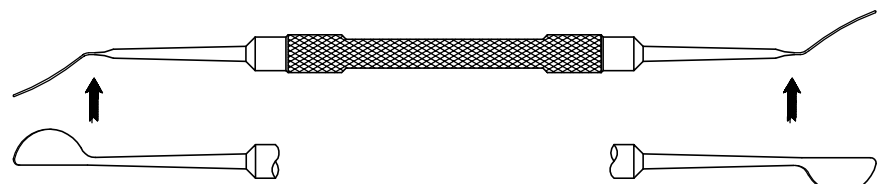


Buratto Double Flap Spatula

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.

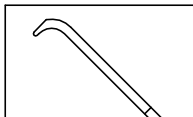


VIEW ON ARROW

VIEW ON ARROW

Buratto Retractor

6-874



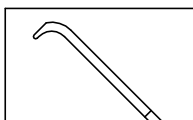
- 6.0mm x 3.0mm
- Round handle, length 125.0mm

Designed to retract and protect hinge.



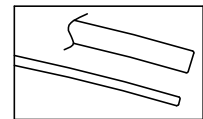
Buratto LASIK Retractor / Spatula

6-875



- Retractor*
- 8.0mm x 3.0mm flattened tip
 - 45° angled shaft, tip to angle length 7.0mm

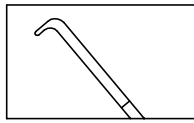
- Spatula*
- 0.5mm x 0.2mm flattened tip
 - Slightly curved shaft
 - Round handle, length 117.0mm



Spatulas (Continued)

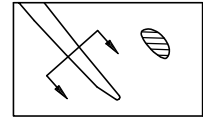
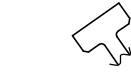
O'Gawa LASIK Spatula and Flap Protector

6-876



Flap protector

- 7.5mm x 3.0mm flattened tip
- 55° angled shaft, tip to angle length 4.0mm



Spatula

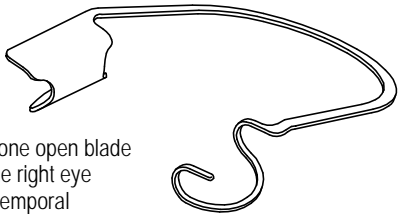
- 0.45mm x 0.8mm oval highly polished tip
- 55° angled shaft, tip to angle length 10.5mm
- Round handle, length 115.5mm

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.

Specula

Bates LASIK / LASEK Speculum - Right

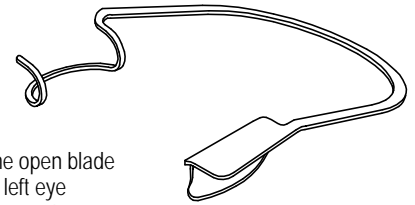
9-558



- One solid and one open blade
- Designed for the right eye
- Angled to rest temporal
- Single piece construction

Bates LASIK / LASEK Speculum - Left

9-558-1



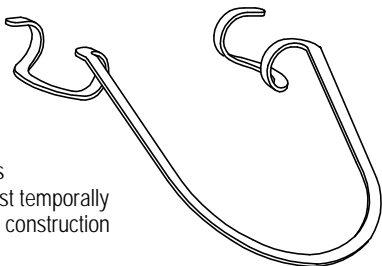
- One solid and one open blade
- Designed for the left eye
- Angled to rest temporal
- Single piece construction

Key features of the Bates LASIK / LASEK Speculum:

- 1) Enables excellent exposure for LASIK or LASEK and allows, in particular, easy placement of the microkeratome.
- 2) Gives excellent retraction of the lower lid and of redundant lid tissue
- 3) Lower lid is protected from any inadvertent cuts from the microkeratome blade.

Tutton Speculum

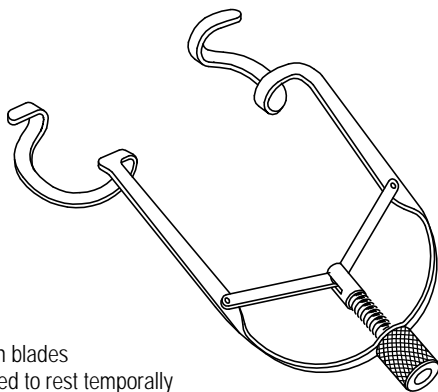
9-567



- Open blades
- Angled to rest temporally
- Single piece construction

Williams Adjustable LASIK Speculum

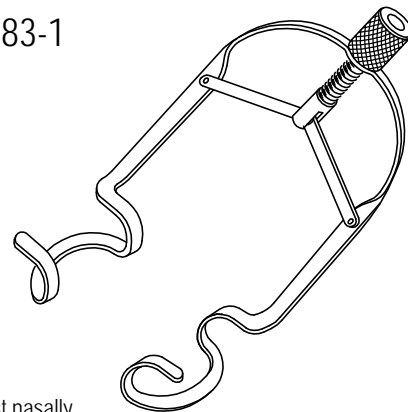
9-583



- Open blades
- Angled to rest temporally
- Adjustable with thumb screw

Williams Adjustable LASIK Speculum

9-583-1



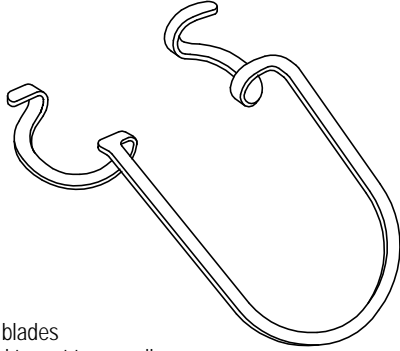
- Open blades
- Angled to rest nasally
- Adjustable with thumb screw

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.

Specula (Continued)

Williams LASIK Speculum

9-584

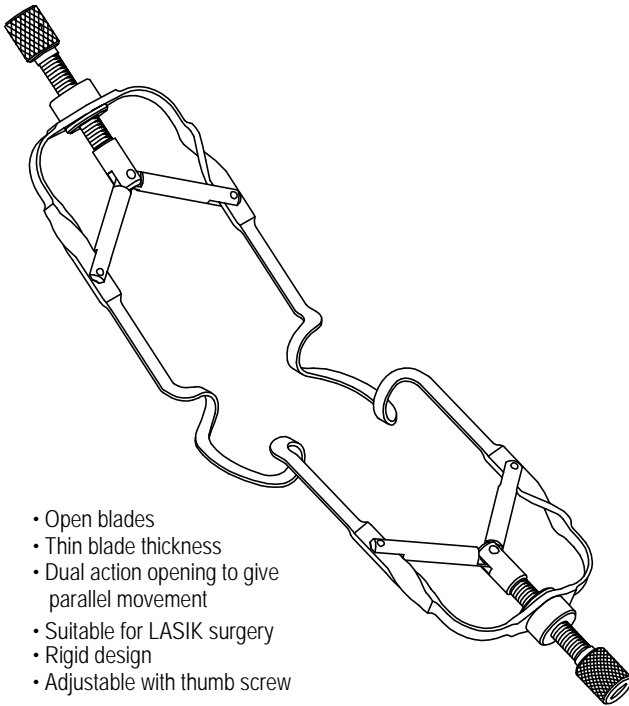


- Open blades
- Angled to rest temporally

Designed to achieve maximum comfortable exposure of eye for suction ring placement and to allow microkeratome to be easily positioned on the pivot post without obstruction. Simplicity and elegance of design allows speculum to be used in other types of ocular surgery.

Barrett LASIK Duo Adjustable Speculum

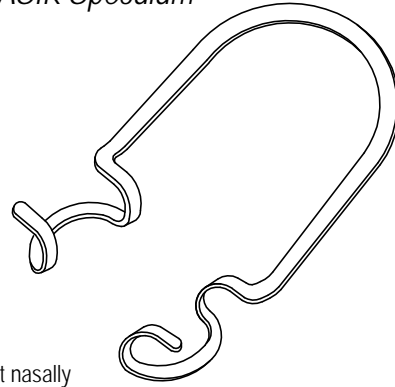
9-586



- Open blades
- Thin blade thickness
- Dual action opening to give parallel movement
- Suitable for LASIK surgery
- Rigid design
- Adjustable with thumb screw

Williams LASIK Speculum

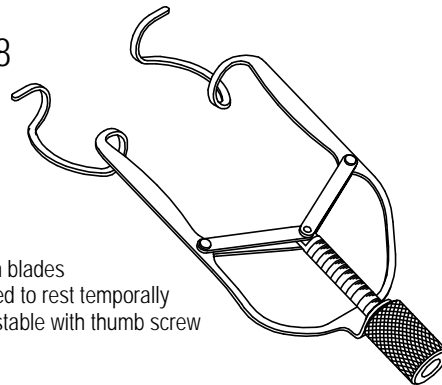
9-584-1



- Open blades
- Angled to rest nasally

Buratto Adjustable Speculum

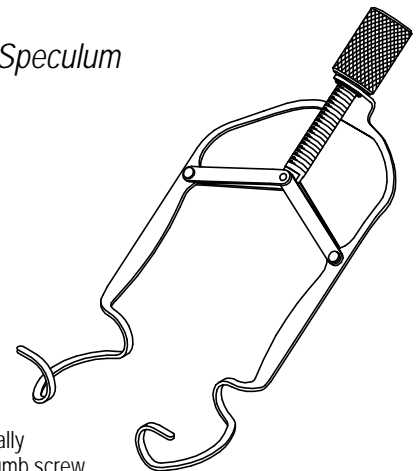
9-588



- Open blades
- Angled to rest temporally
- Adjustable with thumb screw

Buratto Adjustable Speculum

9-589



- Open blades
- Angled to rest nasally
- Adjustable with thumb screw

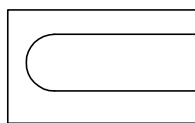
Lightweight, compact and strong.

Maximum exposure allows application of suction ring and microkeratome run.

Optional Instruments - Used for LASIK retreatment -

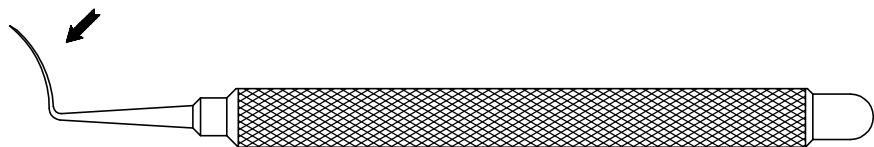
O'Gawa Lamellar Dissector

6-606



VIEW ON ARROW

- 2.5mm sharp edge tip
- 65° angled curved blade, tip to angle length 13.5mm



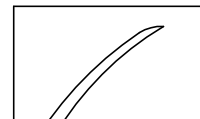
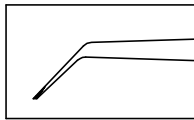
- Round handle, length 114.0mm

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

Optional Instruments (Continued)

Morlet Lamellar Knife / Dissector

6-607



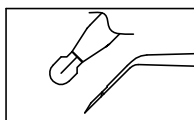
- 0.1mm x 1.5mm sharp edges
- 0.35mm x 2.0mm curved

- Angled shafts 12.0mm tip to curve, tip to angle length 3.0mm
- Round handle, length 110.0mm

Combined Paufigue knife and lamellar corneal dissector. Paufigue 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. Paufigue knife also used to for removing lamellar host tissue down to level of Descemet's 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 Paufigue knife. Designed to separate collagen 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

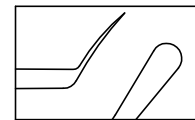
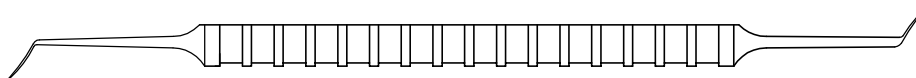
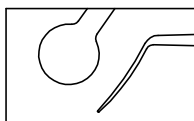


- 1.0mm x 1.0mm oval round blade, blade thickness 0.1mm
- 45° angled shaft, tip to angle length 3.0mm
- Round handle, length 118.0mm

Used in viscocanalostomy to create scleral pocket.

Barrett Lamellar Dissector / Knife

6-609



Dissector

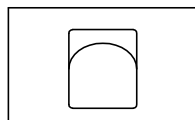
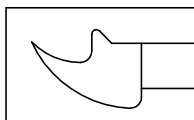
- 4.0mm round blunt edge
- 55° angled shaft, tip to angle length 6.0mm

Knife

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

Gulani Neumann Hyperopic LASIK Flap Dissector

6-862



VIEW ON ARROW

- Curved sharp edge, 3.0mm wide
- Round handle, length 86.0mm

Used to lift previous corneal flap in cases having undergone Hyperopic LASIK. Angled, curved base glides smoothly along stromal mound whilst top flat surface dissects plane of previous flap.

Schematic line drawings may vary from actual size with tip drawings shown enlarged. Descriptive or typographic are subject to correction

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Revised 21.02.2005