

***Hurricane***  
***Medical***  **Product Catalog**

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**The Finest Single-Use Products for Today's Ophthalmic Surgery**

Hurricane Medical was established in 1999 to provide ready-to-use surgical products and superior customer service to ophthalmic healthcare professionals worldwide. Our knowledgeable, customer friendly, environment promotes a personal and professional partnership to meet your ophthalmic surgical needs. We have a commitment to provide the finest, cost-effective, ready-to-use products to simplify eye surgery with a rapid response to customer inquiries, order processing and delivery. We are confident that you will find our products to be of the highest quality and our service to be personal and professional.

## The Complete Quality Assurance System















Hurricane Medical products are compliant with the highest standards of quality in the ophthalmic industry. Products must meet the precise requirements of thorough quality testing before acceptance. Hurricane Medical registrations and certifications include: United States Food and Drug Administration, Canadian Medical Devices Regulations, ISO 13485, and European Union Medical Devices Directive 93/42/EEC for CE Marking.

**Guarantee:** Hurricane Medical unconditionally guarantees that all products will be free of manufacturing defects.

## Product Packaging and Labeling

All products are packaged sterile and ready-to-use unless otherwise noted. Transparent packaging allows visual inspection to assure correct product is selected prior to opening. Products with delicate tips are protected to ensure quality and provide aseptic transfer.

The following internationally recognized symbols are used on Hurricane Medical labeling to communicate product information.

 REF	Catalog Number		Recycle
 LOT	Lot Number		DO NOT USE IF PACKAGE DAMAGED
	Product Expiration (Year - Month)		DO NOT RESTERILIZE
	Open/Peel Here		Product Insert
	DO NOT REUSE		European Union CE mark and Notified Body ID Number
<b>QTY</b>	Package Quantity		Product is Non-Sterile
	Sterilized Using Irradiation		Authorized Representative in the EC
	Manufacturer		

## New Product Ideas

Hurricane Medical is committed to innovation. Please send your new product ideas to our Product Design Team. We guarantee a rapid professional response to individual customer requirements.


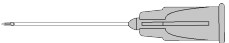
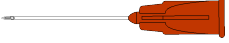





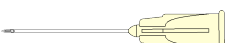
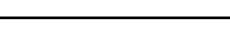
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 Toll Free: 877-446-1444 (USA) • Fax: 941-752-4738 • email: dell@hurricanemedical.com  
 www.hurricanemedical.com

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## Hub Color Code

Hurricane Medical hubs comply with ISO 6009 Color Coding and ISO 594 Conical Fittings with a 6% luer taper to assure use with syringes or devices.

Color		Gauge	ID (in)	ID (mm)	OD (in)	OD (mm)
Natural* (Clear)		30G	.006	.15	.012	.30
Grey		27G	.008	.20	.016	.40
Brown		26G	.010	.25	.018	.45
Orange		25G	.010	.25	.020	.50
Purple		24G	.012	.30	.022	.55
Blue		23G	.013	.33	.025	.60
Black		22G	.016	.41	.028	.70
Green		21G	.020	.51	.032	.80
Yellow		20G	.024	.60	.036	.90
Cream		19G	.028	.70	.043	1.10

\*Not an ISO color code

## Anesthesia

For administering local anesthetic prior to ophthalmic surgery  
Do not recap needle after use. Discard all needles according to recognized procedures.

### Atkinson Tip Anesthesia Needles Single facet with a 22° angle point.



**I425 Peribulbar Needle - Atkinson**  
25G x 7/8 in (.50 x 22mm)



**I427 Peribulbar Needle - Atkinson**  
27G x 7/8 in (.40 x 22mm)



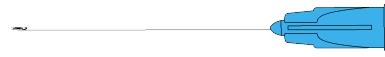
**I023 Anesthesia Needle - Atkinson**  
23G x 1 1/4 in (.60 x 32mm)  
May be used for peribulbar or retrobulbar administration



**I025 Anesthesia Needle - Atkinson**  
25G x 1 1/4 in (.50 x 32mm)  
May be used for peribulbar or retrobulbar administration



**I027 Anesthesia Needle - Atkinson**  
27G x 1 1/4 in (.40 x 32mm)  
May be used for peribulbar or retrobulbar administration



**I123 Retrobulbar Needle - Atkinson**  
23G x 1 1/2 in (.60 x 38mm)



**I125 Retrobulbar Needle - Atkinson**  
25G x 1 1/2 in (.50 x 38mm)



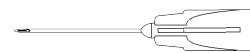
**I127 Retrobulbar Needle - Atkinson**  
27G x 1 1/2 in (.40 x 38mm)

Anesthesia

### Sharp Tip Needles Trifacet with a 12° angle point.

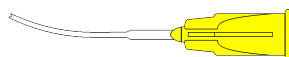


**I225 Retrobulbar Needle - Sharp**  
25G x 1 1/2 in (.50 x 38mm)

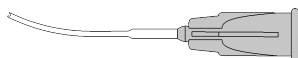


**I230 Facial Infiltration Needle - Sharp**  
30G x 3/8 in (.30 x 16mm)

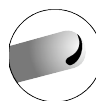
### Sub-Tenon's Anesthesia For administering anesthetic agents into the posterior sub-Tenon's space.



**I320 Sub-Tenon's Cannula**  
20G x 1 in (.90 x 25mm)



**I327 Sub-Tenon's Cannula**  
27G x 7/8 in (.40 x 22mm)

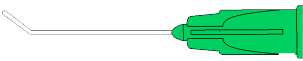


**I330 Sub-Tenon's Cannula**  
30G x 7/8 in (.30 x 22mm)


## Irrigation /Air Injection

For maintaining and forming the anterior chamber by injecting or removing air, fluids, viscoelastics and intraocular medications. Also used to keep the cornea moist. Cannula tip is specially rounded, extra smooth for safe insertion through wound and manipulation in the anterior chamber.

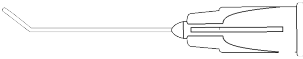
### Anterior Chamber




**2021 Irrigating Cannula - Rycroft**  
21G x 7/8 in (.80 x 22mm) Angled 4mm from end



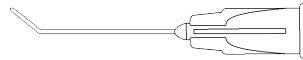
**2025 Irrigating Cannula - Rycroft**  
25G x 7/8 in (.50 x 22mm) Angled 4mm from end



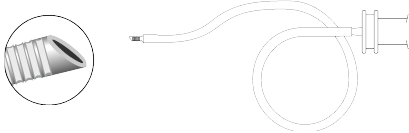
**2030 Irrigating Cannula - Rycroft**  
30G x 7/8 in (.30 x 22mm) Angled 4mm from end



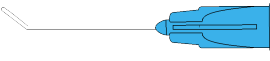
**2527 Irrigating Cannula**  
27G x 7/8 in (.40 x 22mm) Angled 7mm from end




**2730 Irrigating Cannula**  
30G x 7/8 in (.30 x 22mm) Angled 5mm from end




**2520 Anterior Chamber Maintainer**  
20G x 9/64 in (.90 x 3.5mm) Flexible tubing 10 in (25cm): ID - 1mm; OD - 2mm Unique annular rings start .85mm from beveled tip. Self retaining, does not require suturing.



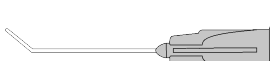
**2023 Irrigating Cannula - Rycroft**  
23G x 7/8 in (.60 x 22mm) Angled 4mm from end



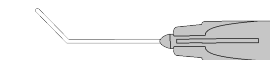
**2027 Irrigating Cannula - Rycroft**  
27G x 7/8 in (.40 x 22mm) Angled 4mm from end




**2127 Irrigating Cannula**  
27G x 7/8 in (.40 x 22mm)



**2727 Irrigating Cannula**  
27G x 7/8 in (.40 x 22mm) Angled 5mm from end

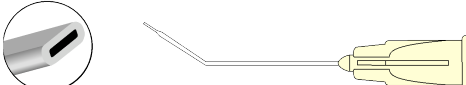


**2827 Irrigating Cannula**  
27G x 7/8 in (.40 x 22mm) Angled 6mm from end




**2523 Anterior Chamber Maintainer**  
23G x 9/64 in (.60 x 3.5mm) Flexible tubing 10 in. (25cm): ID- 1mm OD-2mm Unique annular rings start .85mm from beveled tip. Self retaining, does not require suturing

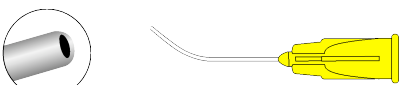
### Irrigation



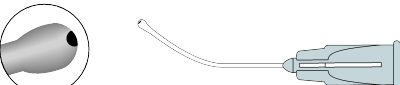
**2219 Irrigating Cannula - Bishop Harmon**  
19G x 1 in (1.10 x 25mm) Angled 8mm from end, flattened tip



**2623 Olive Tip Cannula**  
23G x 7/8 in (.60 x 22mm) Curved .33mm end port. Olive shape tip is 2mm long x 1mm wide



**2220 Irrigating Cannula-Curved**  
20G x 7/8 in (.90 x 22mm)

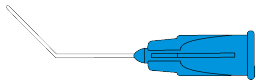


**2627 Olive Tip Cannula**  
27G x 7/8 in (.40 x 22mm) Curved. Olive shape tip is 2mm long x 1mm wide

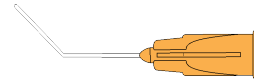
## Irrigation /Air Injection

For maintaining and forming the anterior chamber by injecting or removing air, fluids, viscoelastics and intraocular medications. Also used to keep the cornea moist. Cannula tip is specially rounded, extra smooth for safe insertion through wound and manipulation in the anterior chamber.

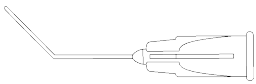
**Viscoelastic** For injecting viscoelastic to all meridians of the anterior chamber and to coat intraocular lens.



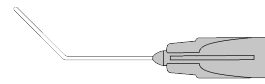
**2123 Viscoelastic Cannula**  
23G x 7/8 in (.60 x 22mm)  
Angled 8mm from end



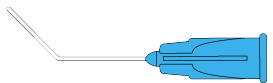
**2125 Viscoelastic Cannula**  
25G x 7/8 in (.50 x 22mm)  
Angled 8mm from end



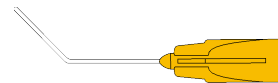
**2130 Viscoelastic Cannula**  
30G x 7/8 in (.30 x 22mm)  
Angled 8mm from end



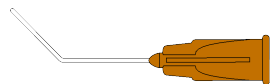
**2227 Viscoelastic Cannula**  
27G x 7/8 in (.40 x 22mm)  
Angled 9mm from end



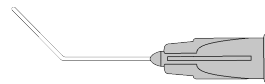
**2323 Viscoelastic Cannula**  
23G x 7/8 in (.60 x 22mm)  
Angled 10mm from end



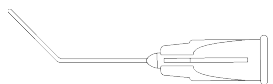
**2325 Viscoelastic Cannula**  
25G x 7/8 in (.50 x 22mm)  
Angled 10mm from end



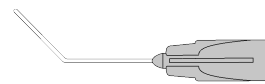
**2326 Viscoelastic Cannula**  
26G x 7/8 in (.45 x 22mm)  
Angled 10mm from end



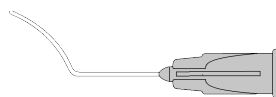
**2327 Viscoelastic Cannula**  
27G x 7/8 in (.40 x 22mm)  
Angled 10mm from end



**2330 Viscoelastic Cannula**  
30G x 7/8 in (.30 x 22mm)  
Angled 10mm from end

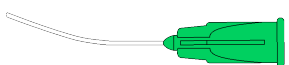


**2927 Viscoelastic Cannula**  
27G x 7/8 in (.40 x 22mm)  
Angled 8mm from end



**2427 Viscoelastic Cannula**  
27G x 7/8 in (.40 x 22mm)  
Formed 11mm from end

**Lacrimal** For probing and irrigating lacrimal ducts.



**7021 Lacrimal Cannula**  
21G x 1 1/4 in (.80 x 32mm)



**7026 Lacrimal Cannula**  
26G x 1 1/4 in (.45 x 32mm)

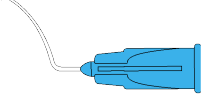
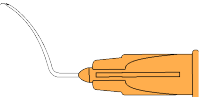
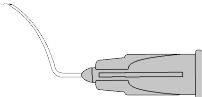

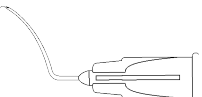
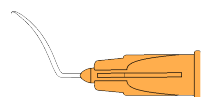

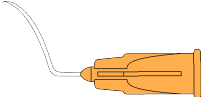
# Hurricane Medical

## Capsulotomy

Sharp tip cystotome for creating an opening into the anterior capsule, nucleus dislocating or other intraocular applications. Each cystotome is packaged to ensure product quality and provide aseptic transfer.

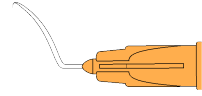

### Formed Cystotomes

Conforms to the convexity of the lens providing easier access to anterior capsule. Reduces potential of corneal touch.

- |   |   |  |
|---|---|--|
|  <p><b>3023 Irrigating Cystotome</b><br/>23G x 5/8 in (.60 x 16mm)</p>   |   |  <p><b>3025 Irrigating Cystotome - Pearce</b><br/>25G x 5/8 in (.50 x 16mm)</p>       |
|  <p><b>3027 Irrigating Cystotome</b><br/>27G x 3/8 in (.40 x 16mm)</p>   |  |  <p><b>3030 Irrigating Cystotome</b><br/>30G x 5/8 in (.30 x 16mm)</p>                |
|  <p><b>3725 Side Cutting Cystotome</b><br/>25G x 5/8 in (.50 x 16mm)</p> |  |  <p><b>3925 Irrigating Cystotome</b><br/>25G x 5/8 in (.50 x 16mm) 45° Angled tip</p> |

### Reverse Tip Cystotomes

Tip is bent towards port for downward irrigation.

- |   |   |  |
|---|---|--|
|  <p><b>3125 Irrigating Cystotome - Reverse</b><br/>25G x 5/8 in (.50 x 16mm)</p> |  |  <p><b>3425 Blunt Tip Cystotome - Reverse</b><br/>25G x 7/8 in (.50 x 22mm)</p> |
|---|---|--|

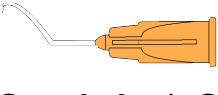

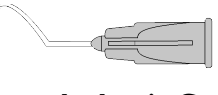
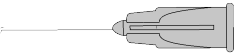
### Short Curve Cystotomes

For capsulotomy on deep-set eyes or small pupils.

- |   |   |   |
|---|---|---|
|  <p><b>3225 Irrigating Cystotome</b><br/>25G x 5/8 in (.50 x 16mm)</p> |  |  <p><b>3227 Irrigating Cystotome</b><br/>27G x 5/8 in (.40 x 16mm)</p> |
|---|---|---|

### Capsulorhexis Cystotomes

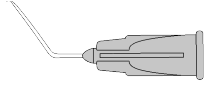
Special tip allows control of flap during continuous curvilinear capsulotomies.

- |   |   |  |
|---|---|--|
|  <p><b>3325 Capsulorhexis Cystotome</b><br/>25G x 5/8 in (.50 x 16mm)</p>            |  |  <p><b>3327 Capsulorhexis Cystotome</b><br/>27G x 5/8 in (.40 x 16mm)</p> |
|  <p><b>3627 Capsulorhexis Cystotome - Straight</b><br/>27G x 5/8 in (.40 x 16mm)</p> |   |  |

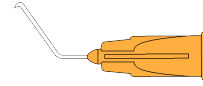
## Capsulotomy

Sharp tip cystotome for creating an opening into the anterior capsule, nucleus dislocating or other intraocular applications. Each cystotome is packaged to ensure product quality and provide aseptic transfer.

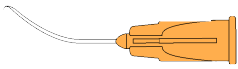
### Angled and Curved Cystotomes



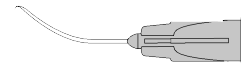
**3427 Angled Cystotome**  
27G x 5/8 in (.40 x 16mm)



**3625 Angled Cystotome**  
25G x 5/8 in (.50 x 16mm)

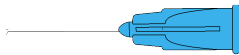


**3825 Endocapsular Cystotome**  
25G x 5/8 in (.50 x 16mm)

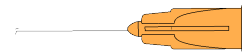


**3827 Endocapsular Cystotome**  
27G x 5/8 in (.40 x 16mm)

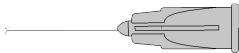
### Straight Cystotomes



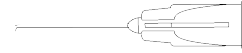
**3523 Irrigating Cystotome**  
23G x 5/8 in (.60 x 16mm)



**3525 Irrigating Cystotome**  
25G x 5/8 in (.50 x 16mm)



**3527 Irrigating Cystotome**  
27G x 5/8 in (.40 x 16mm)

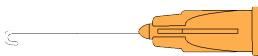


**3530 Irrigating Cystotome**  
30G x 5/8 in (.30 x 16mm)

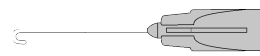
## Hydrodissection

For separating the nucleus from the capsule and cortical attachments.  
Also for separating and softening layers of nucleus prior to phacoemulsification.

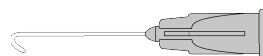
### J Shaped For sub-incisional hydrodissection.



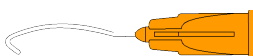
**4325 J Hydrodissector**  
25G x 7/8 in (.50 x 22mm)  
Hook 3mm long x 1.9mm wide



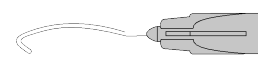
**4327 J Hydrodissector**  
27G x 7/8 in (.40 x 22mm)  
Hook 2.5mm long x 1.75mm wide



**4527 J Hydrodissector**  
27G x 7/8 in (.40 x 22mm)



**4625 HydroExpression Cannula - Corydon**  
25G x 7/8 in (.50 x 22mm)



**4627 HydroExpression Cannula - Corydon**  
27G x 7/8 in (.40 x 22mm)

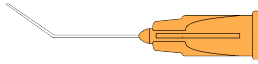


## Hydrodissection

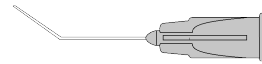
For separating the nucleus from the capsule and cortical attachments.  
Also for separating and softening layers of nucleus prior to phacoemulsification.

**Flat End** Flattened for easy placement under anterior capsule and provides a fan-like distribution of fluid for more effective dissection.

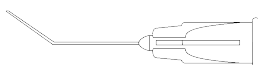
**4025 Hydrodissector - Pearce**  
25G x 7/8 in (.50 x 22mm)  
Angled 8mm from end



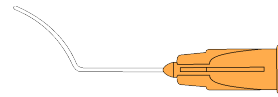
**4027 Hydrodissector**  
27G x 7/8 in (.40 x 22mm)  
Angled 10mm from end



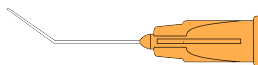
**4030 Hydrodissector**  
30G x 7/8 in (.30 x 22mm)  
Angled 10mm from end



**4125 Hydrodissector - Daya**  
25G x 7/8 in (.50 x 22mm) Formed 11mm  
and flattened from bend to end



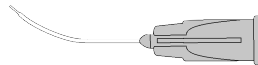
**4925 Hydrodissector**  
25G x 7/8 in (.50 x 22mm)  
Angled 7mm from end



**4927 Hydrodissector**  
27G x 7/8 in (.40 x 22mm)  
Angled 8mm from end



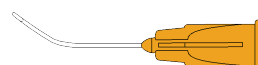
**4127 Hydrodissector**  
27G x 7/8 in (.40 x 22mm)  
Flattened on horizontal plane



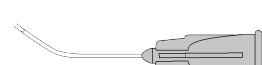
**5027 Hydrodissector**  
27G x 7/8 in (.40 x 22mm)  
Flat tip angled 90°



**4225 Hydrodissector**  
25G x 7/8 in (.50 x 22mm)  
Flattened on vertical plane



**4227 Hydrodissector**  
27G x 7/8 in (.40 x 22mm)  
Flattened on vertical plane



**Round End** Cannula tip is specially rounded, extra smooth for safe insertion through wound and manipulation in the anterior chamber.

**4427 Hydrodissector**  
27G x 7/8 in (.40 x 22mm)  
Angled 10mm from end



**4430 Hydrodissector**  
30G x 7/8 in (.30 x 22mm)  
Angled 12mm from end



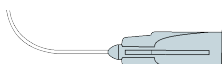
**4725 Hydrodissector**  
25G x 7/8 in (.50 x 22mm)  
Angled 1mm from end



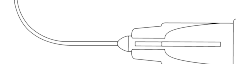
**4727 Hydrodissector**  
27G x 7/8 in (.40 x 22mm)  
Angled 1mm from end



**4827 Hydrodissector - Frankfurt Model**  
27G x 7/8 in (.40 x 22mm)



**4830 Hydrodissector - Tubingen**  
30G x 7/8 in (.30 x 22mm)

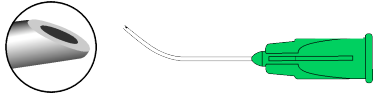


Hydrodissection

## Cortex Removal

For removing cortical debris and/or viscoelastic substances.

### Bimanual I and A Insert through two side port incisions or side port and phacoemulsification incisions.

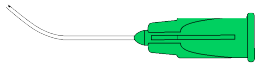


**5121 Bimanual Irrigation Cannula**  
21G x 7/8 in (.80 x 22mm)  
.51mm open end irrigation port

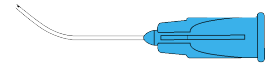


**5123 Bimanual Aspiration Cannula**  
23G x 7/8 in (.60 x 22mm) .4mm top port. Micro etched 2mm from end for capsule polishing

### Cortex Extractors For aspirating when chamber is maintained with a viscoelastic, anterior chamber maintainer or other independent source.



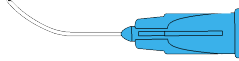
**5021 Cortex Extractor**  
21G x 7/8 in (.80 x 22mm)  
.4mm top port



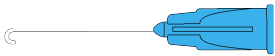
**5023 Cortex Extractor**  
23G x 7/8 in (.60 x 22mm)  
.4mm top port



**5323 Cortex Extractor - Charleux**  
23G x 5/8 in (.60 x 16mm)



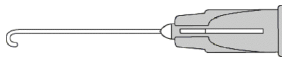
### J Shaped Useful for retracting iris and aspirating residual sub-incisional cortex.



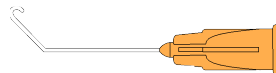
**5223 J Cannula**  
23G x 7/8 in (.60 x 22mm)  
.33mm end port  
Hook 2mm long x 2.25mm wide



**5225 J Cannula**  
25G x 7/8 in (.50 x 22mm) .25mm end port  
Hook 2mm long x 1.75mm wide.  
Ideal for small incision surgery



**5227 J Cannula**  
27G x 7/8 in (.40 x 22mm)  
.20mm end port  
Hook 2mm long x 1.75mm wide  
Ideal for small incision surgery



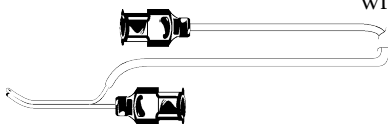
**5425 J Cannula - Angled**  
25G x 7/8 in (.50 x 22mm)  
.25mm end port  
Angled 45°, 10mm from end  
Hook 2mm long x 1.75mm wide

**5425R J Cortex Extractor - Angled Right**

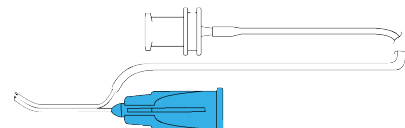
25G x 7/8 in (.50 x 22mm) .25mm end port; Angled 45°, 5mm from end.  
J shaped angled right. Hook 1.5mm long x 1.75mm wide

### Simcoe I and A

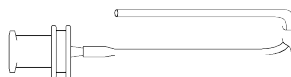
Irrigation is provided through cannula with open end port. Aspiration is provided through 10 inch (25cm) flexible tubing attached to cannula with .4mm top aspiration port.



**5523 I and A Cannula - Simcoe**  
23G/23G (.60/.60mm) - Metal Hubs



**5623 I and A Cannula - Simcoe**  
23G/23G (.60/.60mm)



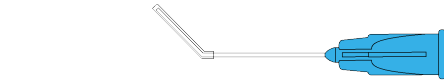
**5524 Replacement Tubing**  
10 in (25cm) ID - 1mm; OD - 2mm  
Non-sterile

## Capsule Polishing

For polishing and cleaning residual cortex from the capsular bag in preparation for insertion of the intraocular lens.

### Soft Tip

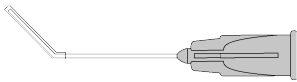
Soft tip for gentle polishing and provides atraumatic insertion and removal.



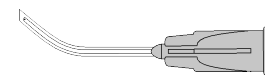
**6023 Soft Tip Cannula**  
23G x 7/8 in (.60 x 22mm)  
Angled 8mm from end  
10mm sleeve



**6025 Soft Tip Cannula**  
25G x 7/8 in (.50 x 22mm)  
Angled 8mm from end  
10mm sleeve



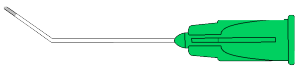
**6027 Soft Tip Cannula**  
27G x 7/8 in (.40 x 22mm)  
Angled 8mm from end  
10mm sleeve



**6427 Posterior Capsule Polisher - Engels**  
27G x 7/8 in (.40 x 22mm)  
Curved, 23mm sleeve  
Beveled down for polishing posterior capsule

### Micro Etched

Slightly roughened for gentle capsule polishing.



**6121 Capsule Polisher - Kratz**  
21G x 7/8 in (.80 x 22mm) .4mm top port  
Angled, 9mm from end; micro etched 3mm  
from end



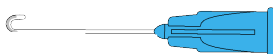
**6123 Capsule Polisher - Kratz**  
23G x 7/8 in (.60 x 22mm) .4mm top port  
Angled, 9mm from end; micro etched 3mm  
from end



**6221 Capsule Polisher**  
21G x 7/8 in (.80 x 22mm) Angled, 4mm from end;  
micro etched 5mm from end



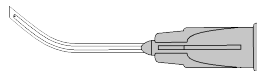
**6321 Capsule Polisher**  
21G x 1 1/4 in (.80 x 32mm) Angled, 5mm  
from end; micro etched 6mm from end



**6323 J Capsule Polisher - Thornton**  
23G x 7/8 in (.60 x 22mm) Hook 2mm long  
x 2mm wide. Lightly roughened on back of  
J end for gentle capsule polishing



**6423 Olive Tip Polisher**  
23G x 7/8 in (.60 x 22mm)  
Angled, 10mm from end; micro etched olive  
shape tip is 1mm wide x 2mm long

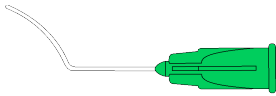


**6527 Olive Tip Capsule Polisher**  
27G x 7/8 in (.40 x 22mm) Curved; micro etched olive  
shape tip is 1mm wide x 2mm long

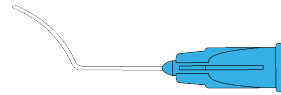
Unique products designed for LASIK surgery and other types of refractive surgery.

### LASIK Irrigators

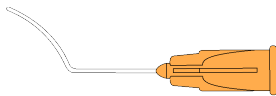
Designed to irrigate the corneal interface and/or stromal bed. Flattened tip provides easy insertion under the flap and helps elevate the flap edge. Multiple ports provide multi-directional irrigation.



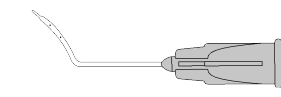
**7121 LASIK Cannula - Daya**  
21G x 7/8 in (.80 x 22mm)  
Formed 11mm and flattened from bend to end



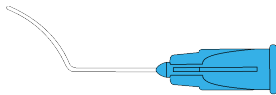
**7123 LASIK Cannula - Daya**  
23G x 7/8 in (.60 x 22mm)  
Formed 11mm and flattened from bend to end



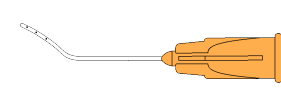
**7125 LASIK Irrigator - Rosen**  
25G x 7/8 in (.50 x 22mm)  
Formed 9mm and flattened at tip



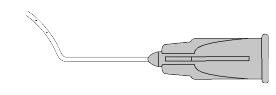
**7127 LASIK Irrigator - 4 Ports**  
27G x 7/8 in (.40 x 22mm) Formed 9mm from end,  
tip flattened 1.5mm from end  
Two .15mm ports 2mm and 4mm from end



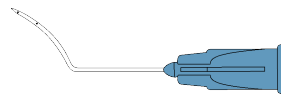
**7223 LASIK Spatula/Irrigator**  
23G x 7/8 in (.60 x 22mm)  
Formed 9mm from end



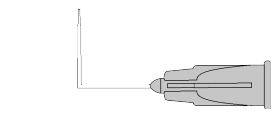
**7225 LASIK Irrigator - 6 Ports**  
25G x 7/8 in (.50 x 22mm) Formed 7mm from end  
Two .15mm ports 2mm, 4mm and 6mm from end



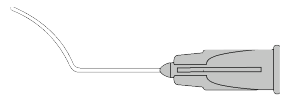
**7227 LASIK Irrigator - 4 Ports**  
27G x 7/8 in (.40 x 22mm)  
Formed 9mm from end  
Two .15mm ports 2mm and 4mm from end



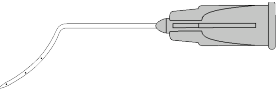
**7323 LASIK Irrigator - 4 Ports**  
23G x 7/8 in (.60 x 22mm)  
Formed 11mm from end. Two .2mm ports 2mm  
and 4mm from end. Flattened tip



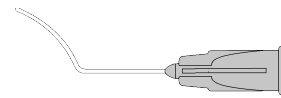
**7327 LASIK Irrigator - Probst**  
27G x 7/8 in (.40 x 22mm) Angled 90°, 7mm from  
end. Smooth tip, flattened 2mm from end, 90° bend  
allows surgeon to maintain the comfortable superior  
position while replacing flap



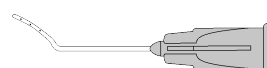
**7427 LASIK Irrigator - Formed**  
27G x 7/8 in (.40 x 22mm)  
Formed 11mm from end



**7527 LASIK Irrigator - Assis - 3 Ports**  
27G x 7/8 in (.40 x 22mm) Formed 9mm from end  
Tip flattened 1.5mm from end  
One .15mm port 2mm, 4mm and  
6mm from end



**7627 LASIK Spatula/Irrigator**  
27G (.40mm) Formed 9mm



**7727 LASIK Irrigator - 6 Ports**  
27G x 7/8 in (.40 x 22mm)  
Formed 9mm from end  
Two .15mm ports 2mm, 4mm and 6mm from end

## Refractive

Unique products designed for LASIK surgery and other types of refractive surgery.

### Lasik Drains

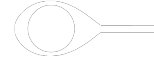
Drains fluid from the orbit and minimizes fluid buildup in corneal bed. Lint-free PVA, soft when moistened.



**7301 LASIK Drain - Chayet**  
10mm opening.



**7317 LASIK Drain - Gimbel/Chayet**  
8.5mm opening  
Unique design to secure flap.



**7311 LASIK Drain - Chayet**  
12mm opening

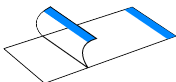
### Lasik Shields, Spears and Sponges



**7302 LASIK Shield**  
Lint free PVA, 8mm diameter with flat edge. Protects and moistens corneal flap



**7306 LASIK Spear**  
Lint free PVA, Useful for tissue manipulation and fluid absorption to facilitate flap alignment and adhesion



**7309 LASIK Incise Film**  
Overall: 4 x 5 in (10 x 12.5cm)  
Adhesive: 4 x 3 1/2 in (10 x 8.75cm)  
Mini size perfect for LASIK and other refractive or minor office procedures  
Covers lashes, lids and brow



**7305 LASIK Sponge - Probst**  
2 x 4mm, Lint free PVA  
These convenient small sponges can be used dry or soaked in a vasoconstricting eyedrop to tamponade peripheral neovascular bleeding during LASIK



**7318 LASIK Incise Tape**  
Overall: 1 x 9 in (2.5 x 22.8cm)  
Adhesive: 1 x 7 1/4 in (2.5 x 18.4cm)  
Mini size perfect for LASIK and other refractive or minor office procedures  
Covers lashes, lids and brow

### Pre-Inked Pads and Pens

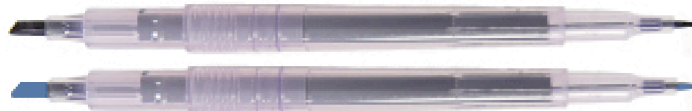
Used to coat corneal markers to imprint pattern on the cornea and remains for duration of surgery.



**7303 Marker Pad - Gentian Violet**  
Made from lint-free, thick, soft material  
Minimizes risk of damaging delicate instruments



**7304 Marker Pad - Methylene Blue**  
Made from lint-free, thick, soft material  
Minimizes risk of damaging delicate instruments



**7319 Dual Tip Marker Pen- Gentian Violet**

**7320 Dual Tip Marker Pen- Methylene Blue**

Two unique tips in one pen! Specially designed to ink corneal instruments or mark skin.

**Chisel Tip** - Broad area to mark delicate instruments. A Fine area for precise lines.

**Fine Tip** - For precise lines or to make "pin-point" marks.

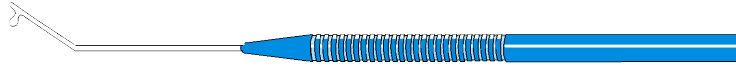
**Super Moist**- Will not dry out during procedure.

## IOL and Nucleus Manipulation

IOL manipulator for positioning intraocular lenses. Nucleus choppers used during phacoemulsification.

### IOL Manipulators

Blunt tips avoid damage to intraocular lenses.



**6801 IOL Manipulator - Lester**  
.25mm diameter tip  
Angled, 10mm from tip



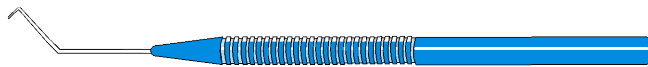
**6802 IOL Manipulator - Sinskey**  
Angled, 15mm from tip  
For .20mm diameter holes and larger



**6804 IOL Manipulator - Sinskey**  
For .20mm diameter holes and larger

### Nucleus Choppers

Used to break-up the nucleus within the capsular bag during two-handed phaco techniques.



**6810 Nucleus Chopper - P. Koch**  
Blunt, round tip  
Angled, 6mm from tip  
Tip angled 90°, 1.5mm from end



**6811 Nucleus Chopper - Beckingsale**  
Blunt, round tip  
Angled, 11mm from tip  
Tip angled 90°, 1.5mm from end

## Vitreoretinal

Products designed specifically for posterior segment surgical procedures.

### Subretinal Fluid





Soft flexible tips allow atraumatic entry through existing tears or holes for aspiration of subretinal fluid. Soft flexible brush tips enable gentle brushing or manipulation of the retina.

- |  |   |  |
|--|---|--|
| <br><b>7520 Vitreoretinal Brush</b><br>20G (.90mm) 3mm tip extension  |    | <br><b>7523 Vitreoretinal Brush</b><br>23G (.60mm) 3mm tip extension   |
| <br><b>7720 Subretinal Fluid Cannula - Curved</b><br>20G (.90mm) 6mm tip extension.<br>Overall length with tubing 34mm  |    | <br><b>7721 Subretinal Fluid Cannula</b><br>20G (.90mm) 6mm tip extension.<br>Overall length with tubing 34mm  |
| <br><b>7723 Subretinal Fluid Cannula</b><br>23G (.60mm) 1.5mm tip extension<br>Overall length with tubing 32mm  |    | <br><b>7725 Subretinal Fluid Cannula</b><br>25G (.50mm) 1.5mm tip extension<br>Overall length with tubing 32mm |
| <br><b>7820 Subretinal Fluid Cannula - Curved</b><br>20G (.90mm) 3mm tip extension.<br>Overall length with tubing 31mm   |   | <br><b>7821 Subretinal Fluid Cannula</b><br>20G (.90mm) 3mm tip extension.<br>Overall length with tubing 31mm |
| <br><br><b>7822 Subretinal Fluid Cannula</b><br>20G (.90mm) 1.5mm tip extension<br>Overall length with tubing 30mm |  | <br><b>7823 Subretinal Fluid Cannula</b><br>23G (.60mm) 3mm tip extension<br>Overall length with tubing 34mm |
| <br><br><b>7825 Subretinal Fluid Cannula</b><br>25G (.50mm) 3mm tip extension<br>Overall length with tubing 34mm   |  | <br><b>7526 Vitreoretinal Cannula</b><br>23G (.60mm) with 39G (.09mm)<br>5mm Polyimide tip extension        |

Vitreoretinal

### Micropicks

Sharp tip for lifting or removing premacular, epiretinal, and other vitreoretinal membranes.

- |   |   |   |
|---|---|---|
| <br><b>7623 Vitreoretinal Micropick</b><br>23G (.60mm) sharp, angled tip                                 |  | <br><b>7625 Vitreoretinal Micropick 25G</b><br>20G (.90mm) cannula with<br>25G (.50mm) sharp, angled tip |
| <br><b>7630 Vitreoretinal Micropick 30G</b><br>20G (.90mm) cannula with<br>30G (.30mm) sharp, angled tip |   |   |

## Vitreoretinal

Products designed specifically for posterior segment surgical procedures.

### Infusion

Facilitates posterior segment infusion.



Flexible Tubing: 10 in (25cm)



**7501 Infusion Cannula 2.5mm**  
20G (.90mm)



**7502 Infusion Cannula 4mm**  
20G (.90mm)



**7503 Infusion Cannula 6mm**  
20G (.90mm)



**7524 Infusion Cannula 4mm**  
23G (.60mm)



**7525 Infusion Cannula 6mm**  
23G (.60mm)

### High Viscosity

Designed for injection of silicone oil and other viscous fluids. Special high pressure tubing is attached to thinwall cannula. May also be used as standard infusion cannulas.



**7504 Viscous Infusion Cannula 4mm**  
20G (.90mm); Tubing: 4 in (10cm)



**7505 Viscous Infusion Cannula 6mm**  
20G (.90mm); Tubing: 4 in (10cm)



**7506 Viscous Infusion Cannula 4mm**  
20G (.90mm); Tubing: 6 in (16cm)



**7507 Viscous Infusion Cannula 6mm**  
20G (.90mm); Tubing: 6 in (16cm)

### Viscodissectors

For dissection of vitreoretinal membranes using viscoelastic fluid.

Tubing is 8 in (20cm) long; ID - .02 in (.50mm); OD - .06 in (1.5mm) and capable of withstanding injections of viscoelastic fluids.



**7517 Vitreoretinal Viscodissector 90°**  
20G (.90mm) cannula with 30G (.30mm) tip, flattened  
Angled 90°, 1mm from end



**7518 Vitreoretinal Viscodissector 70°**  
20G (.90mm) cannula with 30G (.30mm) tip, flattened  
Angled 70°, 1mm from end

**7519 Vitreoretinal Viscodissector 45°**  
20G (.90mm) cannula with 30G (.30mm) tip, flattened  
Angled 45°, 1mm from end



## Vitreoretinal

Products designed specifically for posterior segment surgical procedures.

### Dual Bore



- 7528 Dual Bore Cannula**  
23G (.60mm) Simultaneous infusion of liquids through center lumen and aspiration of fluid through a vent hole in the other lumen.

### Micro Tip Cannulas

Designed for injecting or aspirating. Micro tips for working around and through retinal tears or holes.



- 7508 Subretinal Aspirator 27G**  
20G (.90mm) cannula with 27G (.40mm) tip, angled 2.5mm



- 7509 Subretinal Injector 30G**  
20G (.90mm) cannula with 30G (.30mm) tip with gentle curve



- 7510 Subretinal Injector - Curved 30G**  
20G (.90mm) cannula with 30G (.30mm) tip



- 7511 Subretinal Injector 30G**  
20G (.90mm) cannula with 30G (.30mm) tip



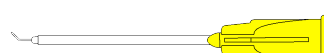
- 7512 Subretinal Cannula 32G**  
20G (.90mm) cannula with 32G (.23 x 9mm) tip with gentle curve



- 7513 Subretinal Cannula 32G**  
20G (.90mm) cannula with 32G (.23 x 9mm) tip, angled 1mm



- 7514 Vitreoretinal Cannula 30G**  
20G (.90mm) cannula with 30G (.30mm) tip



- 7515 Vitreoretinal Cannula 30G**  
20G (.90mm) cannula with 30G (.30mm) tip, angled 2.5mm



- 7516 Vitreoretinal Aspirator 27G**  
20G (.90mm) cannula with 27G (.40mm) tip



- 7521 Subretinal Cannula 32G**  
20G (.90mm) cannula with 32G (.23 x 6mm) tip with gentle curve



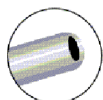
- 7522 Vitreoretinal Cannula 32G**  
20G (.90mm) cannula with 32G (.23mm) tip

### Cannulas

Blunt tip cannulas for general injection or aspiration.



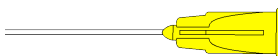
- 7423 Vitreoretinal Cannula**  
23G x 1 1/8 in (.60 x 28mm)



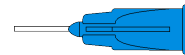
- 7425 Vitreoretinal Cannula**  
25G x 1 1/8 in (.50 x 28mm)



- 7920 Silicone Oil Cannula**  
20G x 3/16 in (.90 x 8mm)



- 7620 Vitreoretinal Cannula**  
20G x 1 1/8 in (.90 x 28mm)



- 7923 Silicone Oil Cannula**  
23G x 3/16 in (.60 x 8mm)

## Microsurgical Accesories

A variety of products to complement ophthalmic microsurgery and minor office procedures.

### Fluid Absorption and Administration



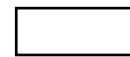
- 9001 Eye Spear**  
Fast wicking action for quick absorption



- 9003 Absorbent Stick - Sterile**  
2 <sup>3</sup>/<sub>8</sub> in (6.6cm) overall length <sup>3</sup>/<sub>16</sub> in (5mm) diameter, 45° angled ends. Soft, non-woven material is rigid enough to withstand gentle pressure. Both ends may be used for absorption



- 9004 Absorbent Stick - Non-Sterile**  
2 <sup>3</sup>/<sub>8</sub> in (6.6cm) overall length <sup>3</sup>/<sub>16</sub> in (5mm) diameter, 45° angled ends. Soft, non-woven material is rigid enough to withstand gentle pressure. Both ends may be used for absorption



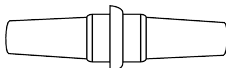
- 9006 Surgical Sponge - Gills**  
2 x 8mm - Lint free PVA, useful for applying or removing fluid in a precise location



- 9101 Instrument Wipe**  
3 x 3 in (7.5 x 7.5cm) Lint free PVA for cleaning delicate instruments. Soft when moistened and will not drag on blades or tips



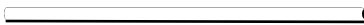
- 9301 .20 Micron Filter**  
Filters out particles and microbiological contamination .22 micron and larger. Male/female luer lock fittings



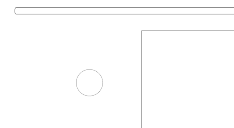
- 9303 Male to Male Connector**  
Overall length 29mm  
Luer slip fittings connect instrument to tubing  
Especially useful for bimanual I and A to connect cannula to I/A tubing



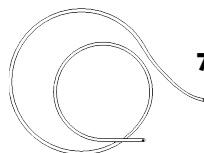
- 9701 Incise Film**  
Overall size: 5 x 9 in (12.7 x 22.8cm)  
Adhesive area: 5 x 7 <sup>1</sup>/<sub>4</sub> in (12.7 x 18.4cm)  
Small incise covers lashes, lids and brow



- 9802 Eye Fluid Wick**  
Highly absorbent lint free PVA wick  
Removes fluid and directs it away from surgical area



- 9803 Surgical Absorbent Kit**  
1 - 9101 Instrument Wipe  
1 - 9202 Corneal Light Shield  
1 - 9802 Eye Fluid Wick  
Popular microsurgical accessories combined into one package for convenience and cost savings



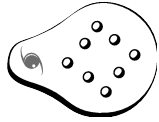
- 7002 Silicone Tubing**  
Length: 14 in (35cm)  
ID: .012 in (.30mm)  
OD: .025 in (.60mm)

## Microsurgical Accessories

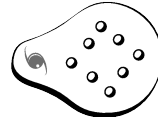
A variety of products to complement ophthalmic microsurgery and minor office procedures.

### Eye Protection

Protects the eye during or after surgery or trauma.



**9401 Clear Eye Shield** - Non-sterile  
Smooth edges need no protective cover. Universal for left or right eye



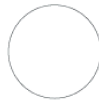
**9402 Clear Eye Shield** - Sterile  
Smooth edges need no protective cover. Universal for left or right eye



**9202 Corneal Light Shield**  
8mm diameter - Lint free PVA  
Keeps cornea moist. Protects retina from operating microscope light rays



**9203 Corneal Light Shield**  
6mm diameter - Lint free PVA  
Keeps cornea moist. Protects retina from operating microscope light rays



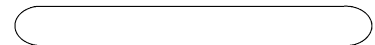
**9205 Corneal Light Shield**  
10mm diameter - Lint free PVA  
Keeps cornea moist. Protects retina from operating microscope light rays

### Surgical Glides

Useful for placement of intraocular lenses into the posterior chamber. Also protects iris from prolapse or trauma during microsurgical procedures.



**9201 Surgical Glide**  
25mm long x 3mm wide  
1.5mm radius; 6 mil thick



**9204 IOL Glide - Sheets**  
35mm long x 5mm wide  
2.5mm radius; 6 mil thick



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5023	Cortex Extractor 23G (.60mm) .4mm top port	10	9	7125	LASIK Irrigator - Rosen 25G (.50mm)	10	11
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7508	Subretinal Aspirator - Angled tip 27G (.40mm)	10	16	7823	Subretinal Fluid Cannula 23G (.60mm) - 3mm Tubing Extension	10	14
7509	Subretinal Injector - Curved tip 30G (.30mm)	10	16	7825	Subretinal Fluid Cannula 25G (.50mm) - 3mm Tubing Extension	10	14
7510	Subretinal Injector - Curved 30G (.30mm)	10	16	7920	Silicone Oil Cannula - 20G x 5/16 in (.90 x 8mm)	10	16
7511	Subretinal Injector 30G (.30mm)	10	16	7923	Silicone Oil Cannula - 23G x 5/16 in (.60 x 8mm)	10	16
7512	Subretinal Cannula - Curved tip 32G (.23mm)	10	16	9001	Eye Spear	15 x 5	17
7513	Subretinal Cannula - Angled tip 32G (.23mm)	10	16	9003	Absorbent Stick - Sterile	20 x 5	17
7514	Vitreoretinal Cannula 30G (.30mm)	10	16	9004	Absorbent Stick - Non-Sterile	250	17
7515	Vitreoretinal Cannula - Angled tip 30G (.30mm)	10	16	9006	Surgical Sponge - Gills 2 x 8mm	20 x 15	17
7516	Vitreoretinal Aspirator 27G (.40mm)	10	16	9101	Instrument Wipe	20	17
7517	Vitreoretinal Viscodissector 90° bend, 30G (.30mm)	10	15	9201	Surgical Glide	50	18
7518	Vitreoretinal Viscodissector 70° bend, 30G (.30mm)	10	15	9202	Corneal Light Shield - 8mm	20	18
7519	Vitreoretinal Viscodissector 45° bend, 30G (.30mm)	10	15	9203	Corneal Light Shield - 6mm	20	18
7520	Vitreoretinal Brush 20G (.90mm)	10	14	9204	IOL Glide - Sheets	50	18
7521	Subretinal Cannula - Curved tip 32G (.23mm)	10	16	9205	Corneal Light Shield - 10mm	20	18
7522	Vitreoretinal Cannula 32G (.23mm)	10	16	9301	.20 Micron Filter	50	17
7523	Vitreoretinal Brush 23G (.60mm)	10	14	9303	Male to Male Connector	50	17
7524	Infusion Cannula 4mm, 23G (.60mm)	10	15	9401	Clear Eye Shield - Non-Sterile	50	18
7525	Infusion Cannula 6mm, 23G (.60mm)	10	15	9402	Clear Eye Shield - Sterile	50	18
7526	Vitreoretinal Cannula - 23G (.60mm) 5mm Tip Polyimide Extension	5	14	9701	Incise Film	20	17
7527	LASIK Irrigator - Assis, 3 Ports, Flattened Tip 27G (.40mm)	10	11	9802	Eye Fluid Wick	20	17
7528	Dual Bore Cannula 23G (.60mm)	5	15	9803	Surgical Absorbent Kit	20	17
7620	Vitreoretinal Cannula 20G (.90mm)	10	16				
7623	Vitreoretinal Cannula 23G (.60mm)	10	14				
7625	Vitreoretinal Micropick 25G (.50mm)	10	14				
7627	LASIK Spatula/Irrigator 27G (.40mm)	10	11				