



OPHTHALMIC PRODUCT CATALOG

**EMPOWERING** EXCELLENCE



## A rich history empowering a bright future.

Our story began in 1969 when brothers William and Rolf Schmidt co-founded Sharpoint, Inc. From their garage workshop they developed the technology that would set the standard for producing ultra fine, premium ophthalmic surgical products for the next 50 years. In 1986, a significant portion of the business was acquired and folded into the Alcon Laboratories portfolio. Five years later, the remaining part of the business was renamed Surgical Specialties. By the mid 1990's the Schmidts were once again advancing technology, serving as directors of Unique Technology, producing flat-stock surgical blades as an OEM supplier to Alcon and other leading private label brands. They also founded VPM Surgical to further advance blade-making technologies and supply wire-stock OEM blades. In 2018, things came full circle, as Unique Technologies and VPM Surgical were acquired by Surgical Specialties, owner and manufacturer of the Sharpoint brand that the Schmidts established in 1969. Today, Surgical Specialties continues the legacy of excellence in ophthalmics that began 50 years earlier.

Surgical Specialties is proud to offer a broad range of proven solutions designed and manufactured to help surgeons be at their best at every step in every procedure.



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**SURGICAL  
SPECIALTIES**  
CORPORATION™



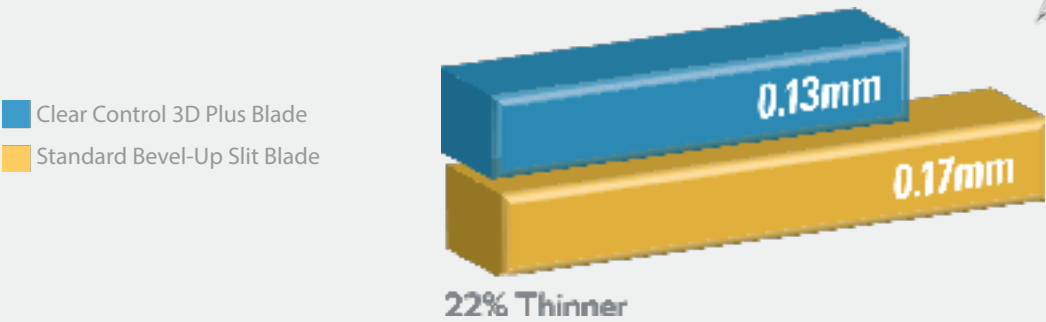
# Clear Control 3D™ Plus

Sharpness is one thing, control is everything



## Blade Thickness

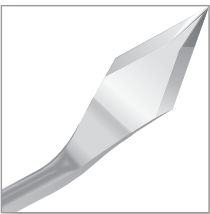
Clear Control 3D Plus Knife vs. Standard Slit Knife<sup>1</sup>



<sup>1</sup> Comparative study on file of Surgical Specialties Corporation knives. Average values reported.

## Clear Control 3D Plus Slit Knives

SharpPoint™ Clear Control 3D Plus slit knives are designed to facilitate instrument insertion through a multi-dimensional incision. Micro bevels are designed to add vertical dimension, placing less stress on wound margins, allowing for instrument insertion and manipulation. 6 per box.



Knife	Blade/Tip	Description
72-1650	-	1.6mm, angled, full handle
72-1850	-	1.8mm, angled, full handle
72-2050	-	2.0mm, angled, full handle
72-2250	-	2.2mm, angled, full handle
72-2450	-	2.4mm, angled, full handle
72-2550	-	2.5mm, angled, full handle
72-2650	-	2.65mm, angled, full handle
72-2750	-	2.75mm, angled, full handle
72-2850	-	2.85mm, angled, full handle
72-3050	-	3.0mm, angled, full handle
72-3250	-	3.2mm, angled, full handle

## ClearPort™ Paracentesis Knives

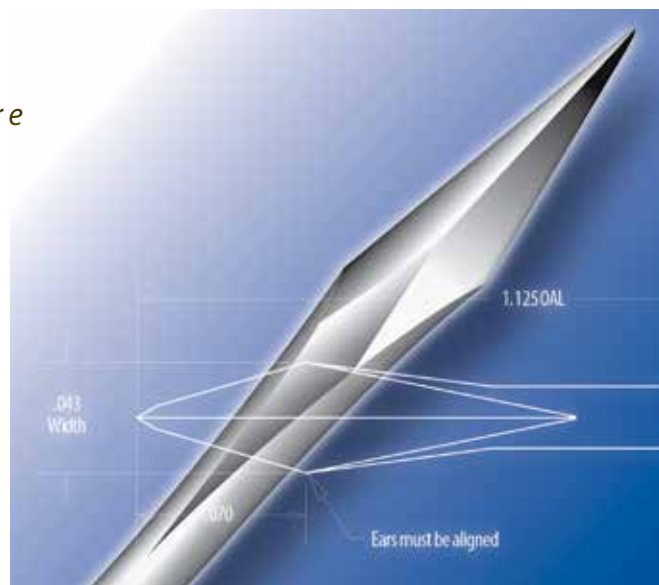
*Technology = Superior Wound Architecture*

### Exceptional Wound Architecture

Created for consistent and accurate wound architecture to achieve self-sealing wounds

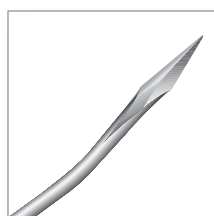
### Blade Geometry

and choice of sizes allows for precise cannula fit



## ClearPort™ Paracentesis Knives

SharpPoint™ ClearPort™ knives are designed to create consistent, accurate and self-sealing paracentesis incisions. 6 per box.

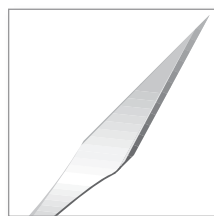


Knife	Description	Maximum Instrument Size
78-2310	0.8mm, angled, full handle	23g
78-2010	1.1mm, angled, full handle	20g
78-2010G*	1.1mm, angled, guarded	20g
78-2019	1.4mm, angled, 1.0mm & 1.2mm indicator lines	19g

\*Features SharpGuard™ Guarded Handle. 5 per box.

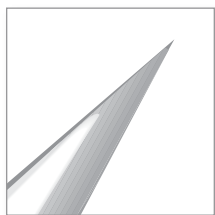
## Stab Knives

SharpPoint™ stab knives are heat-tempered to provide a strong, true point for easy penetration during initial stab incisions. 6 per box.



Knife	Blade/Tip	Description
72-1501	72-1502	15° Straight, full handle
72-1501G*	-	15° Straight*, guarded
72-1591	-	15° Right angled
72-2201	72-2202	22.5° Straight, full handle
72-3001	72-3002	30° Straight, full handle
72-4501	72-4502	45° Straight, full handle

\*Features SharpGuard™ Guarded Handle. 5 per box.



#### Knife

72-1531

72-1551

72-3036

#### Blade/Tip

72-1532

72-1552

-

#### Description

15° 3.0mm straight, restricted blade depth

15° 5.0mm straight, restricted blade depth

30° 3.5mm straight, restricted blade depth



#### Knife

72-1001

#### Description

1.0mm Paracentesis, straight, single bevel

## Clear Corneal Phaco Incision Knives

### Exceptional Wound Architecture

Tapered bevels are designed to bend and incise tissue, resulting in a straight incision that is more self-sealing.

### Blade Profile

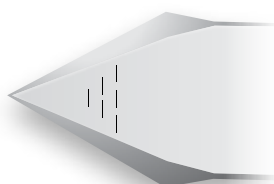
Thinner blade is designed for minimal effect on astigmatism, and to promote re-epithelialization. Short blade length reduces risk of induced trauma.

### Unique Patented Depth Indicators

1.5mm, 1.75mm and 2.0mm act as a visual reference when changing planes during an incision.

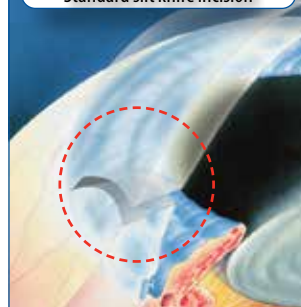
Clear Corneal Knife - Top View

Clear Corneal Knife - Bottom View



Standard slit knife incision

Clear Corneal knife incision



## Clear Corneal Knives, Double-Bevel

SharpPoint™ Clear Corneal knives feature tapered facet cutting edges designed to compensate for corneal curvature, creating exact linear incisions. The unique thin blade design and consistent sharpness creates incisions with virtually no tissue drag or distortion. Patented incision width or depth indicators (1.5mm, 1.75mm, 2.0mm) are visible on each blade. 6 per box.



### Knife

72-1361  
72-2263  
72-2463  
72-2663  
72-2763  
72-2763G\*  
72-2863  
72-2863G\*  
72-3061  
72-4963

### Description

1.3mm, angled, double-bevel, 1.0mm depth indicator  
2.2mm, angled, double-bevel, 1.5mm & 1.75mm depth indicator  
2.4mm, angled, double-bevel, depth indicator  
2.65mm, angled, double-bevel, depth indicators  
2.75mm, angled, double-bevel, depth indicators  
2.75mm, angled, double-bevel, depth indicators, guarded  
2.85mm, angled, double-bevel, depth indicators  
2.85mm, angled, double-bevel, depth indicators, guarded  
3.0mm, angled, double-bevel, depth indicators  
4.9mm, angled, double-bevel, depth indicators

\*Features SharpGuard™ Guarded Handle. 5 per box.

## Clear Corneal Knives, Double-Bevel, Parallel Sides

SharpPoint™ Clear Corneal knives with parallel sides feature center cutting edges with side cutting ability. The unique thin blade design and consistent sharpness creates incisions with virtually no tissue drag or distortion. Patented incision depth indicators (1.5mm, 1.75mm, 2.0mm) are visible on each blade. 6 per box.



### Knife

72-2635  
72-2735  
72-2835  
72-3035

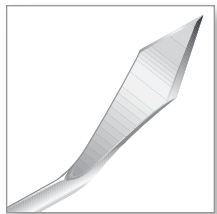
### Description

2.65mm, angled, double-bevel, depth indicators  
2.75mm, angled, double-bevel, depth indicators  
2.85mm, angled, double-bevel, depth indicators  
3.0mm, angled, double-bevel, depth indicators

# Phaco Incision Knives

## Slit Knives, Bevel-Up

SharpPoint™ angled, bevel-up precision slit knives penetrate easily while creating an accurate width incision for optimal fit to the phacoemulsification tip. 6 per box.

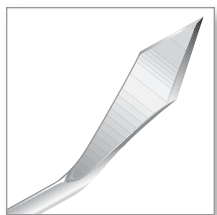


Knife	Blade/Tip	Description
72-2261	-	2.2mm, angled, bevel-up
72-2461	-	2.4mm, angled, bevel-up
72-2561	-	2.5mm, angled, bevel-up
72-2561G*	-	2.5mm, angled, bevel-up, guarded
72-2661	-	2.65mm, angled, bevel-up
72-2661G*	-	2.65mm, angled, bevel-up, guarded
72-2761	72-2762	2.75mm, angled, bevel-up
72-2761G*	-	2.75mm, angled, bevel-up, guarded
72-2861	72-2862	2.85mm, angled, bevel-up
72-2861G*	-	2.85mm, angled, bevel-up, guarded
72-2961	-	3.0mm, angled, bevel-up
72-2961G*	-	3.0mm, angled, bevel-up, guarded
72-3261	-	3.2mm, angled, bevel-up
72-4561	-	4.5mm, angled, bevel-up

\*Features SharpGuard™ Guarded Handle. 5 per box.

## Slit Knives, Double-Bevel

SharpPoint™ double-bevel slit knives create accurate width incisions easily with virtually no tissue drag or distortion. 6 per box.



Knife	Description
72-1831	1.8mm, angled, double-bevel
72-2231	2.2mm, angled, double-bevel
72-2231G*	2.2mm, angled, double-bevel, guarded
72-2431	2.4mm, angled, double-bevel
72-2431G*	2.4mm, angled, double-bevel, guarded
72-2531	2.5mm, angled, double-bevel
72-2631	2.65mm, angled, double-bevel
72-2831	2.8mm, angled, double-bevel
72-2931	3.0mm, angled, double-bevel
72-3231	3.2mm, angled, double-bevel

\*Features SharpGuard™ Guarded Handle. 5 per box.

## Slit Knives, Bevel-Up, Parallel Sides

SharpPoint™ slit knives with parallel sides feature a single bevel design with side cutting ability. 6 per box.



### Knife

72-2912

72-3212

### Description

3.0mm, angled, bevel-up

3.2mm, angled, bevel-up

## Slit Knives, Single-Bevel

SharpPoint™ precision slit knives penetrate easily while creating an accurate width incision for optimal fit to the phacoemulsification tip. 6 per box.



### Knife

72-2801

72-2901

### Description

2.85mm, straight

3.0mm, straight

## IQ Geometry™ ClearTrap™ Knives, Bevel-Up

SharpPoint™ IQ Geometry™ ClearTrap™ knives feature an innovative cutting edge that engages the tissue at two contact points. This thinner blade design results in a reduction in penetration force and the trapezoid design, along with patented width indicator lines, provides a phaco and implant knife in one. 6 per box.



### Knife

77-1725

### Description

1.7 - 2.2 - 2.5mm, angled, full handle width indicator

# Phaco / Implant Incision Knives

## Trapezoid Design

Yields phaco and implant incisions in one knife

## Consistency

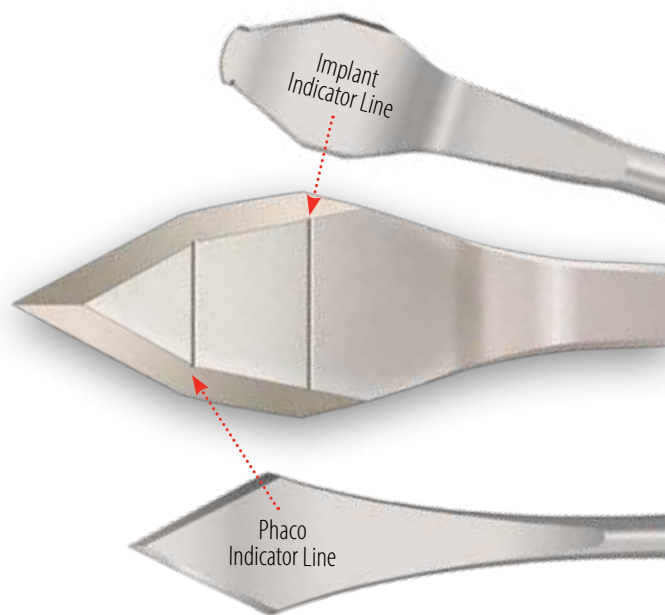
Allows surgeon to enlarge the phaco incision to a consistent, precise width for IOL insertion

## Wound Integrity

Designed to maintain wound integrity by eliminating the implant knife

## Indicator Lines

Patented width indicator lines at the phaco and implant mark aid as a visual reference



## ClearTrap™ Trapezoid Clear Corneal/Implant Knives, Bevel-Up

SharpPoint™ ClearTrap™ knives feature a trapezoid shape design containing patented incision width indicators visible on each blade. The unique thin blade design and consistent sharpness creates incisions with virtually no tissue drag or distortion. 6 per box.



### Knife

75-1214  
75-1517  
75-1520  
75-1720  
75-2022  
75-2522  
75-2723  
75-2724  
75-2725  
75-2824  
75-2826

### Description

1.2 - 1.4mm, angled, width indicator  
1.5 - 1.7mm, angled, width indicator  
1.5 - 2.0mm, angled, width indicator  
1.7 - 2.0mm, angled, width indicator  
2.0 - 2.2mm, angled, width indicator  
2.5 - 2.9mm, angled, width indicator  
2.75 - 3.0mm, angled, width indicator  
2.75 - 3.2mm, angled, width indicator  
2.75 - 3.5mm, angled, width indicator  
2.85 - 3.2mm, angled, width indicator  
2.85 - 3.75mm, angled, width indicator

## Pilot Tip™ Implant Knives, Bevel-Up

SharpPoint™ Pilot Tip™ implant knives are designed to easily follow the slit blade incision while the cutting edges create a precise opening for lens insertion. 6 per box.



### Knife

76-5361

76-5161

76-5561

### Description

3.2mm, angled, bevel-up

5.2mm, angled, bevel-up

5.5mm, angled, bevel-up

## Implant Knives, Bevel-Up

SharpPoint™ standard implant knives are designed to widen the initial incision to facilitate lens insertion. 6 per box.



### Knife

76-4061

76-5261

### Description

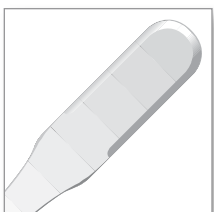
4.0mm, angled, bevel-up

5.2mm, angled, bevel-up

## Crescent Knives

### Sharptome™ Crescent Knives

SharpPoint™ Sharptome™ crescent knives are designed to create a smooth scleral shelf to promote a self-sealing wound. The blade's consistent sharpness virtually eliminates tissue drag and distortion. 6 per box.



### Knife

74-1000

### Blade/Tip

74-5000

### Description

2.0mm, straight

# Crescent Knives (cont'd)



Knife	Blade/Tip	Description
74-1010	74-5062	2.0mm, angled, bevel-up
74-1010G*	-	2.0mm, angled, bevel-up, guarded
74-1031	-	2.0mm, angled, double-bevel

\*Features SharpGuard™ Guarded Handle. 5 per box.

## Mini-Crescent Knives

SharpPoint™ mini-crescent knives are designed to dissect a smaller scleral shelf. The blade's consistent sharpness virtually eliminates tissue drag and distortion. 6 per box.



Knife	Description
74-6910	1.25mm, angled, double-bevel

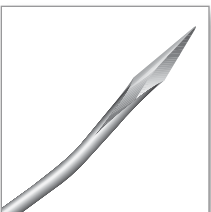
# Vitrectomy Knives

## Vitrectomy Knives

SharpPoint™ vitrectomy knives create small, precise access incisions which virtually eliminate wound leaks around probes and other posterior segment instruments. 6 per box.



Knife	Description
71-1901	19 gauge, straight
71-2001	20 gauge, straight
71-2301	23 gauge, straight
71-2501	25 gauge, straight



Knife	Description
71-2061	20 gauge, angled

# Groove & Limbal Relaxation Incision Knives

## Precision Depth Knives

Sharpoint™ precision depth knives are designed to create groove and limbal relaxing incisions. Single formed design ensures precision accuracy. Dual cutting edges allow for incisions in left or right directions. 6 per box.



### Knife

72-0303

72-3503

72-5503

72-6003

### Description

300  $\mu\text{m}$  straight, full handle

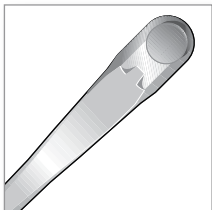
350  $\mu\text{m}$  straight, full handle

550  $\mu\text{m}$  straight, full handle

600  $\mu\text{m}$  straight, full handle

## Restricted Depth Knives

Sharpoint™ restricted depth knives are designed to create groove and limbal relaxing incisions. Single formed design ensures precision accuracy. Dual cutting edges allow for incisions in left or right directions. 6 per box.



### Knife

72-0301

72-0401

### Description

300  $\mu\text{m}$  straight, full handle

450  $\mu\text{m}$  straight, full handle

# Specialty Knives

## Spoon Knives, Double-Bevel

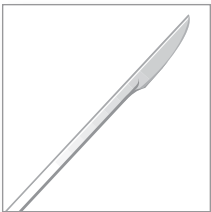
SharpPoint™ spoon knives feature a unique 320° cutting radius and ultra-thin blade to enhance precision cutting capabilities where multi-directional techniques are performed. 6 per box.



Knife	Description
74-2261	2.2mm, angled, double-bevel
74-3061	3.0mm, angled, double-bevel

## Specialty Knives

SharpPoint™ specialty knives are available in a variety of shapes and sizes for various techniques and procedures. 6 per box.



Knife	Description
78-6810	Needle blade, straight, 4.0mm cutting edge



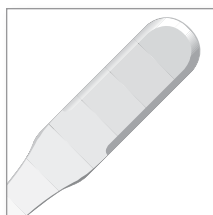
Knife	Blade/Tip	Description
-	78-5700	Scleral blade, straight



Knife	Blade/Tip	Description
-	78-6600	2.3mm, Lamellar blade, angled, bevel-up

## Specialty Knives

SharpPoint™ specialty knives are available in a variety of shapes and sizes for various techniques and procedures. 6 per box.



Knife

-

Blade/Tip

78-6900

Description

Micro-blade, straight, double-bevel, sharp all around

## Blade and Tip Handle

SharpPoint™ aluminum blade and tip handle is compatible with the threaded tips of SharpPoint™ blade and tip items. The inner threads are standardized to fit most competitive collets and blades currently available. Sold individually.



Handle

92-9003

Description

16cm Length

# Guarded Knives



The Protection You Want.  
The Precision You Need.

- Guarded sheath is designed to eliminate or minimize sharps injuries
- Features quality Sharpoint™ blades
- Ergonomic grip is designed for precise control and comfort
- Evaluate today as part of your OSHA Exposure Control Plan (ECP)

The SharpGuard™ Guarded Knife features our top-quality Sharpoint™ blade with the security of a sliding protective sheath. They are available in a wide variety of blade styles including paracentesis, slit, clear corneal and crescent designs. 5 per box.



## Knife

72-1501G

## Description

15°, Stab, straight, guarded



72-2763G

2.75mm, Clear Corneal, angled, double-bevel, guarded

72-2863G

2.85mm, Clear Corneal, angled, double-bevel, guarded



72-2231G

2.2mm, Slit, angled, double-bevel, guarded

72-2431G

2.4mm, Slit, angled, double-bevel, guarded

72-2561G

2.5mm, Slit, angled, bevel-up, guarded

72-2661G

2.65mm, Slit, angled, bevel-up, guarded

72-2761G

2.75mm, Slit, angled, bevel-up, guarded

72-2861G

2.85mm, Slit, angled, bevel-up, guarded

72-2961G

3.0mm, Slit, angled, bevel-up, guarded



74-1010G

2.0mm, Crescent, angled, bevel-up, guarded



78-2010G

1.1mm, ClearPort™ paracentesis, angled, guarded

Directions  
For Use



### TO OPEN:

- WITH TEXTURED GRIP POINTING AWAY FROM BODY, SLIDE GRIP BACK UNTIL IT CLICKS TO EXPOSE BLADE.



### TO CLOSE:

- WITH BLADE POINTING AWAY FROM BODY, SLIDE TEXTURED GRIP TOWARD BLADE UNTIL IT CLICKS INTO GUARDED POSITION.

## SharpGuard™ Guarded Knives

SharpGuard™ features a Sharpoint™ blade which simply retracts into the safety handle providing security against sharps injuries. The Snap Lock Slider ensures the blade is secure during surgery.



### Key Features

- Retractable blade designed to minimize sharps injuries
- Features quality Sharpoint™ blades
- Ergonomic grip is designed for precise control and comfort
- Evaluate today as part of your OSHA Exposure Control Plan (ECP)

### Description

#### Knife Stab



82-1501G	15°, Stab, straight, guarded
82-2201G	22.5°, Stab, straight, guarded
82-3001G	30°, Stab, straight, guarded
82-4501G	45°, Stab, straight, guarded

#### Clear Corneal



82-1361G	1.3mm, Clear Corneal, angled, with depth indicators
82-1661G	1.6mm, Clear Corneal, angled, with depth indicators
82-1863G	1.8mm, Clear Corneal, angled, with depth indicators
82-2263G	2.2mm, Clear Corneal, angled, with depth indicators
82-2463G	2.4mm, Clear Corneal, angled, with depth indicators
82-2663G	2.65mm, Clear Corneal, angled, with depth indicators
82-2763G	2.75mm, Clear Corneal, angled, with depth indicators
82-2863G	2.85mm, Clear Corneal, angled, with depth indicators
82-3061G	3.0mm, Clear Corneal, angled, with depth indicators

#### Slit



82-1461G	1.4mm, Slit, angled, bevel-up, guarded
82-1861G	1.8mm, Slit, angled, bevel-up, guarded
82-2261G	2.2mm, Slit, angled, bevel-up, guarded
82-2461G	2.4mm, Slit, angled, bevel-up, guarded
82-2561G	2.5mm, Slit, angled, bevel-up, guarded
82-2661G	2.65mm, Slit, angled, bevel-up, guarded
82-2761G	2.75mm, Slit, angled, bevel-up, guarded
82-2861G	2.85mm, Slit, angled, bevel-up, guarded
82-2961G	3.0mm, Slit, angled, bevel-up, guarded
82-2231G	2.2mm, Slit, angled, double-bevel, guarded
82-2431G	2.4mm, Slit, angled, double-bevel, guarded

#### Crescent



84-1000G	Sharptome full handle- Straight
84-1010G	2.0mm, Crescent, angled, bevel-up, guarded
84-1031G	Sharptome full handle- double-bevel, angled
84-6910G	1.25mm, Mini-Crescent Knife, angled

#### Paracentesis



88-2010G	1.1mm, ClearPort™ paracentesis, angled, guarded
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# Suture Introduction



## High-quality, consistently sharp needles

- Extra sharp cutting edges extending from the point to its widest portion reduce tissue drag
- Precise, smooth penetration through tissue minimizes trauma
- Needle channel is fitted to the specific size of the suture material

## How To Use Our Catalog

The pages in the suture sections of this catalog will show the following information for each product code. Some of our ophthalmic products feature an expanded chart with detailed measurements (not shown in this sample) to ensure proper needle selection.

**Needle Description** - Contains an illustration of the needle. The SharpPoint™ needle code is blue, the comparable Ethicon™ needle code is black, and the comparable Syneture™ needle code is dark green. This section also lists the needle length and shape.

**Needle Geometry** - Type of needle with tip geometry **Material** - Color and style of suture

**Length** - Length in inches/centimeters

**Side Cutting Lancet**

			Material	Length	10-0	9-0	8-0
<b>DSL7</b>	3/8 Circle Length 6.60mm Curvature 131	Radius 2.79mm Chord 5.26mm Wire .20mm	Black Monofilament	12"/30cm	<b>A7718N</b> 7718G	<b>A7717N</b> 7717G	
<b>TG140-8</b>							

**Size Grid** - Indicates the U.S.P. size for each product code listed

Product numbers are color coded respectively as SharpPoint™ (dark blue), Ethicon™ (black), and Syneture™ (green).  
B or N denotes a box of 12; D denotes a box of 36.

**Quantity** - The last character in the SharpPoint™ product code denotes the quantity per box

**SharpPoint™** product code

**Ethicon™** comparable product code

**Syneture™** comparable product code

## How To Read Our Suture Box Labels

Each SharpPoint™ suture box comes with a color-coded label that provides important details about the sutures contained inside.

**Color Bar**

**Material**

**Suture Length**

**Suture Size**

**Lot Number**

**Expiration Date**

**Certified for distribution in Europe**

**Product Item No.**

**Quantity**

**Needle Type / Shape**

## UltraGlide™ Needles

Sharpoint™	Ethicon™	Syneture™	
<b>Bicurve</b>			
BLL5	CSB-6	.	4.88mm
<b>3/8 Circle</b>			
DLL6	CS140-6	SE-140-6	6.15mm
<b>1/2 Circle</b>			
HLL5	CS160-6	SE-160-6	5.51mm
HLL7	CS175-6	.	6.99mm



## Side Cutting Lancet Needles

Sharpoint™	Ethicon™	Syneture™	
<b>Bicurve</b>			
BSL5	TG6-C	.	5.51mm
<b>1/8 Circle</b>			
SSL5	.	.	5.51mm
SSL15	.	.	14.99mm
<b>1/4 Circle</b>			
VSL7	TG100-8	SE100-8	6.6mm
VSP8	S-29, S-24	SD-1, SS-24	8mm
VCL8	S-14	SS-14	8.51mm
<b>3/8 Circle</b>			
DVL04	TG140-04	SE140-04	4mm
DSL6	TG140-6	SE140-6	6.15mm
DSL7	TG140-8	SE140-8	6.6mm
<b>1/2 Circle</b>			
HSL5	TG160-6	SE160-6	5.51mm
HSL7	.	.	7mm

## Precision Reverse Cutting Needles

Sharpoint™	Ethicon™	Syneture™	
<b>3/8 Circle</b>			
DSM7	G-6	HE-6	7mm
G-1	G-1	G-1	11mm

## Precision Conventional Cutting Needles

Sharpoint™	Ethicon™	Syneture™	
<b>3/8 Circle</b>			
PC-1	PC-1	P-13	13mm
PC-3	PC-3	P-11	16mm

## Center Point Spatula Needles

Sharpoint™	Ethicon™	Syneture™	
<b>1/4 Circle</b>			
D05	RD-1	SS-24	8mm

## Vas Cutting Needles

Sharpoint™	Ethicon™	Syneture™	
<b>3/8 Circle</b>			
DVL04	.	.	4mm

## M.E.T.™ Point Needles

Sharpoint™	Ethicon™	Syneture™	
<b>3/8 Circle</b>			
DRTM4	.	.	4mm
DRTM5	.	.	5mm
DRTM6	.	.	6mm

# Needle Anatomy and Terminology

## Needle Terminology

**Length:** Distance measured along the circumference of the needle, from the point to the swage. It is depicted on the packaging.

**Shape:** Different surgeries or surgical techniques demand different needle shapes.

**Point:** The sharpened part of the needle that first penetrates the tissue. The point consists of the area from the sharpened tip of the needle to the widest cross section of the needle body. The point determines ease of penetration and the initial size and shape of the hole.

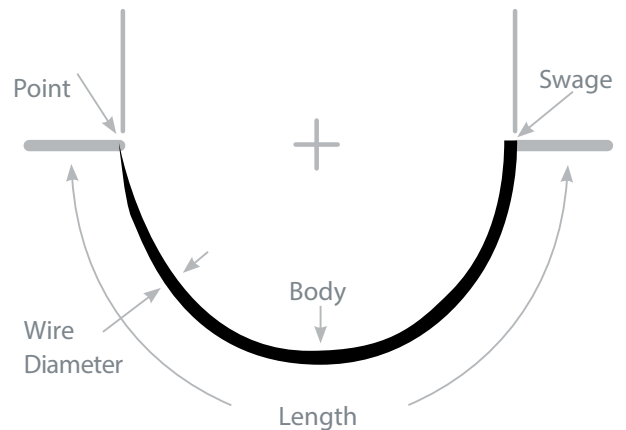
**Swage:** Connection point of the suture and the needle. Micro teeth grip the suture material and prevent it from slipping out.

**Wire Diameter:** Gauge or thickness of the wire originally used to form the needle body.

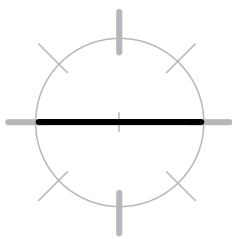
**Body:** The part between the point and the swage of the needle.

**Included Angle (Curvature):** The fraction of the circle included in the curve of the needle. This is depicted on the packaging.

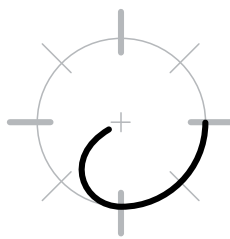
## Needle Anatomy



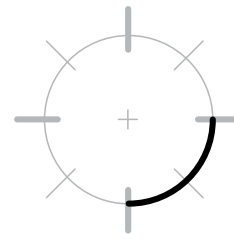
## Needle Shapes and General Uses



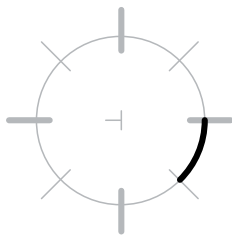
**Straight:** Skin Closure



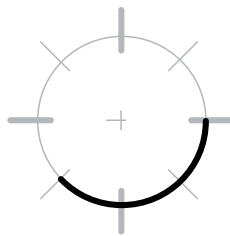
**Bi-curve:** Vasectomy Reversal, Ophthalmic



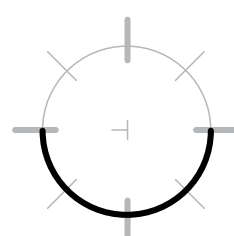
**1/4 Circle:** Ophthalmic



**1/8 Circle:** Ophthalmic






**3/8 Circle:** Skin Closure, Ophthalmic






**1/2 Circle:** Skin Closure, GI, Cardiovascular, Ophthalmic

## Absorbable

Material	Material Description	BSR Profile	Mass Absorption
<b>POLYSYN™</b> (polyglycolic acid)  <p>Comparable to: VICRYL™</p>	Braided <ul style="list-style-type: none"> <li>• Dyed (violet)</li> </ul> Monofilament (9-0 & 10-0 only) <ul style="list-style-type: none"> <li>• Dyed (violet)</li> <li>• Coated &amp; Uncoated</li> </ul> Common uses: Glaucoma Filtering Surgery, Blephroplasty	<b>In vivo strength retention:</b> 50% at 14 days 20% at 21 days	Essentially complete between 50 and 90 days
<b>EXPRESS GUT™ (PLAIN GUT)</b>  <p>Comparable to: Fast Absorbing Gut Suture</p>	Twisted <ul style="list-style-type: none"> <li>• Natural</li> <li>• Packaged in Wetting Solution</li> </ul> Common uses: Skin Closure	<b>In vivo strength retention:</b> 40% at 5 days 0% at 10 days  *In-Vivo Study by NAMSA Data on file at Surgical Specialties	Essentially complete by 30 days  *In-Vivo Study by NAMSA Data on file at Surgical Specialties
<b>PLAIN GUT</b>  <p>Comparable to: Surgical Gut Suture- Plain</p>	Twisted <ul style="list-style-type: none"> <li>• Natural</li> <li>• Packaged in Wetting Solution</li> </ul> Common uses: General Closure, OB/Gyn, Urology, Bowel Anastomosis	<b>In vivo strength retention:</b> Varies	Varies depending upon type of suture (plain vs. chromic) and site of placement








## Non-Absorbable

Material	Material Description	Qualities
<b>SILK</b>  <p>Comparable to: PERMA-HAND™ Silk</p>	Braided <ul style="list-style-type: none"> <li>• Dyed (black)</li> <li>• Coated</li> </ul> Common uses: General & Skin Closure, Plastic Surgery, Ophthalmology	<ul style="list-style-type: none"> <li>• Excellent handling and tying characteristics</li> </ul>
<b>NYLON™</b>  <p>Comparable to: ETHILON™</p>	Monofilament <ul style="list-style-type: none"> <li>• Dyed (black)</li> </ul> Common uses: Vitrectomy, Corneal Transplant, Ophthalmology	<ul style="list-style-type: none"> <li>• Passes easily through tissue</li> </ul>
<b>POLYPROPYLENE</b>  <p>Comparable to: PROLENE™</p>	Monofilament <ul style="list-style-type: none"> <li>• Dyed (blue)</li> </ul> Common uses: Ophthalmology, IOL fixation	<ul style="list-style-type: none"> <li>• Inert</li> <li>• Easy to handle</li> <li>• Passes easily through tissue</li> </ul>

# PolySyn™/Polyglycolic Acid

## Side Cutting Lancet






Side Cutting Lancer					Size				
			Material	Length	9-0	8-0	7-0	6-0	5-0
<b>VCL8</b>  1/4 Circle Length 8.51mm Curvature 109 Radius 4.32mm Chord 7.28mm Wire .34mm	Violet Braided	18"/45cm						<b>G570N</b> <b>J570G</b> ●	
<b>DSL7</b>  3/8 Circle Length 6.6mm Curvature 131 Radius 2.79mm Chord 5.26mm Wire .2mm	Violet Braided	18"/45cm					<b>GA-546N</b> <b>J546G</b> ●		
		8"/20cm					<b>GA-547N</b> <b>J547G</b> ●		
		12"/30cm					<b>GA-548N</b> <b>J548G</b> ●		
<b>DSL6</b>  3/8 Circle Length 6.15mm Curvature 135 Radius 2.54mm Chord 4.83mm Wire .15mm	Violet Braided	12"/30cm			<b>GA-974N</b> <b>J974G</b> ●				
<b>DVL04</b>  3/8 Circle Length 4mm Curvature 145 Radius 1.68mm Chord 3.25mm Wire .10mm	Violet Monofilament	5"/13cm	<b>GA-8760N</b> <b>D8760</b> ●						
<b>VSP8</b>  1/4 Circle Length 8.51mm Curvature 109 Radius 4.32mm Chord 7.28mm Wire .34mm	Violet Braided							<b>G553N</b> <b>J553G</b> ●	
<b>VSP8</b>  1/4 Circle Length 8.51mm Curvature 109 Radius 4.32mm Chord 7.28mm Wire .34mm	Violet Braided	12"/30cm					<b>G556N</b> ● ●		
		18"/45cm					<b>G555N</b> <b>J555G</b> ●		
<b>VSL7</b>  1/4 Circle Length 6.4mm Curvature Radius 3.9mm Chord 5.89mm Wire .20mm	Violet Braided	18"/45cm					<b>G544N</b> <b>J544G</b> ●		


Product numbers are color coded respectively as Sharppoint™ (dark blue), Ethicon™ (black), and Syneture™ (green).  
 B or N denotes a box of 12; D denotes a box of 36.

# PolySyn™/Polyglycolic Acid

## M.E.T.™ Point

			Size				
			Material	Length	9-0	8-0	7-0
<b>DRTM4</b>	3/8 Circle Length 4mm  limited supply	70 Microns Curvature 135	Violet Monofilament	5"/13cm	<b>GA-402N</b> V402G 		
<b>DRTM5</b>	3/8 Circle Length 5mm	100 Microns Curvature 135 Wire .15mm	Violet Braided	5"/13cm		<b>GA-405N</b> V405G 	
<b>DRTM6</b>	3/8 Circle Length 6mm	140 Microns Curvature 135	Violet Braided	5"/13cm		<b>GA-401N</b> V401G 	

## UltraGlide™

			Size				
			Material	Length	10-0	9-0	8-0
<b>HLL5</b>	1/2 Circle Length 5.5mm Curvature 160	Radius 2.03mm Chord 4.06mm Wire .15mm	Violet Monofilament	12"/30cm	<b>GA-448N</b> V448G 		

## Express Gut™ (Plain Gut)

### Precision Conventional Cutting

			Size				
			Material	Length	6-0	5-0	4-0
<b>PC-1</b>	3/8 Circle Length 13mm		Express Gut™	18"/45cm	<b>B7916N</b>	<b>B7915N</b>	


## Plain Gut

### Precision Reverse Cutting


			Size				
			Material	Length	6-0	5-0	4-0
<b>G-1</b>	3/8 Circle Length 11mm		Plain Gut	18"/45cm	<b>B7770N</b>		

# Nylon

## Center Point Spatula

			Size		
			6-0	5-0	4-0
<b>DO5</b>  1/4 Circle Length 8.00mm Curvature 90 Radius 5.10mm Chord 6.00mm Wire .33mm RD-1 SS-24 * limited supply	Black Monofilament	18"/45cm		<b>A749N</b> <b>749G</b> <b>N2781</b>	

## Side Cutting Lancet

			Size		
			10-0	9-0	8-0
<b>BSL5</b>  Bicurve Length 5.51mm Curvature 90/50 Radius 1.52/2.79mm Chord 3.71mm Wire .15mm TG6-C	Black Monofilament	6"/15cm	<b>A2687N</b> <b>7799G</b> 		
		12"/30cm	<b>A2522N</b>  		
<b>BSL5</b>  Bicurve Length 5.51mm Curvature 90/50 Radius 1.52/2.79mm Chord 3.71mm Wire .15mm TG6-C	Black Monofilament	8"/20cm	<b>A2524N</b>  		
		12"/30cm	<b>A2525N</b> <b>7799G</b> 		
<b>BGL5</b>  Bicurve Length 4.88mm Curvature 90/50 Radius 1.52/2.79mm Chord 3.71mm Wire 1.5mm CSB-6	Black Monofilament	12"/30cm	<b>A2675N</b>  		
<b>DSL6</b>  3/8 Circle Length 6.15mm Curvature 135 Radius 2.54mm Chord 4.83mm Wire .15mm TG140-6	Black Monofilament	6"/15cm	<b>A2683N</b>  		
		12"/30cm	<b>A2533N</b>  		
<b>DSL6</b>  3/8 Circle Length 6.15mm Curvature 135 Radius 2.54mm Chord 4.83mm Wire .15mm TG140-6	Black Monofilament	12"/30cm	<b>A7770N</b> <b>7770G</b> 		

Product numbers are color coded respectively as SharpPoint™ (dark blue), Ethicon™ (black), and Syneture™ (green).










B or N denotes a box of 12; D denotes a box of 36.

\* (no longer manufactured)





## Side Cutting Lancet

					Size		
					10-0	9-0	8-0
<b>DSL7</b>  TG140-8	3/8 Circle Length 6.60mm Curvature 131	Radius 2.79mm Chord 5.26mm Wire .20mm	Black Monofilament	12"/30cm	<b>A2532N</b> ● ●		
<b>DSL7</b>  TG140-8	3/8 Circle Length 6.60mm Curvature 131	Radius 2.79mm Chord 5.26mm Wire .20mm	Black Monofilament	12"/30cm	<b>A7718N</b> <b>7718G</b> ●	<b>A7717N</b> <b>7717G</b> ●	
<b>HSL5</b>  TG160-6	1/2 Circle Length 5.51mm Curvature 150	Radius 2.03mm Chord 4.07mm Wire .15mm	Black Monofilament	6"/15cm	<b>A2534N</b> ● ●	<b>A2681N</b> ● ●	
				12"/30cm	<b>A2510N</b> ● ●		
<b>HSL5</b>  TG140-6	1/2 Circle Length 5.51mm Curvature 150	Radius 2.03mm Chord 4.07mm Wire .15mm	Black Monofilament	6"/15cm	<b>A7757N</b> <b>7757G</b> ●		
				12"/30cm	<b>A7756N</b> <b>7756G</b> <b>N2756K</b>	<b>A7760N</b> <b>7760G</b> ●	
<b>HSL7</b> 	1/2 Circle Length 7.04mm Curvature 175	Radius 2.29mm Chord 4.71mm Wire .15mm	Black Monofilament	12"/30cm	<b>A2519N</b> ● ●		
<b>HSL7</b> 	1/4 Circle Length 5mm Curvature	Radius 2.18mm Chord 3.63mm Wire .1mm	Black Monofilament	5"/13cm		<b>A0819N</b> ● ●	

# Nylon





UltraGlide™ 					Size		
			Material	Length	11-0	10-0	9-0
<b>DLL6</b>  3/8 Circle Length 6.15mm Curvature 135 Radius 2.54mm Chord 4.82mm Wire .15mm CS140-6 SE-140-6			Black Monofilament	4"/10cm		<b>A9060N</b> <b>9060G</b> 	
<b>DLL6</b>  3/8 Circle Length 6.15mm Curvature 135 Radius 2.54mm Chord 4.82mm Wire .15mm CS140-6 SE-140-6			Black Monofilament	12"/30cm		<b>A9003N</b> <b>9003G</b> 	
<b>HLL5</b>  1/2 Circle Length 5.51mm Curvature 160 Radius 2.03mm Chord 4.06mm Wire .15mm CS160-6 SE-160-6			Black Monofilament	4"/10cm		<b>A9061N</b> <b>9061G</b> 	
<b>HLL5</b>  1/2 Circle Length 5.51mm Curvature 160 Radius 2.03mm Chord 4.06mm Wire .15mm CS160-6 SE-160-6			Black Monofilament	6"/15cm	<b>A9016N</b> <b>9016G</b> 	<b>A9001N</b> <b>9001G</b> 	
				12"/30cm		<b>A9000N</b> <b>9000G</b> 	
<b>HLL7</b>  1/2 Circle Length 6.99mm Curvature 175 Radius 2.29mm Chord 4.57mm Wire .15mm CS175-8			Black Monofilament	12"/30cm		<b>A9032N</b> <b>9032G</b> 	

Side Cutting Lancet 

Side Cutting Lancet 				Size			
		Material	Length	8-0	7-0	6-0	
<b>VSP8</b>  T-1 S-24 SS-24	1/4 Circle Length 8mm Curvature 90	Radius 5.08mm Chord 7.24mm Wire .35mm	Black Braided	18"/45cm		D1780N 1780G S2780	
<b>DSL6</b>  TG140-6 SE-140-6	3/8 Circle Length 6.15mm Curvature 135	Radius 2.54mm Chord 4.83mm Wire .15mm	Blue Braided Virgin	18"/45cm	D2552N † • •		
<b>DSL7</b>  TG140-8 SE-140-8	3/8 Circle Length 6.60mm Curvature 131	Radius 2.79mm Chord 5.26mm Wire .20mm	Black Braided	12"/30cm	D2526N 599G •		
				18"/45cm		D7733N 7733G S1768K	
			Blue Braided Virgin	18"/45cm	D2550N † • •		










† Not sold in U.S.A.

Precision Reverse Cutting 

Precision Reverse Cutting 				Size					
			Material	Length	9-0	8-0	7-0	6-0	5-0
<b>DSM8</b>  G-6 HE-6	8mm 3/8 Circle	Wire .23mm	Black Braided	12"/30cm			D2680N ● S1768K		
<b>DSM8</b>  G-6 HE-6	8mm 3/8 Circle	Wire .23mm	Black Braided	18"/45cm			D0191N ● S1768K	D769N ● ●	
<b>HSM8</b> 	8mm 1/2 Circle	Wire .23mm	Black Braided	18"/45cm				D765N 765G ●	

Product numbers are color coded respectively as SharpPoint™ (dark blue), Ethicon™ (black), and Syneture™ (green).  
 B or N denotes a box of 12; D denotes a box of 36.

# Polypropylene

Side Cutting Lancet 			Size			
		Material	Length	10-0	9-0	8-0
<b>SSL5</b>  1/8 Circle Length 5.51mm Curvature 50 Radius 6.35mm Chord 5.35mm Wire .15mm		Blue Monofilament	2"/5cm	<b>J2560N</b> 		
<b>SSL15</b>  1/8 Circle Length 14.99mm Curvature 50 Radius 16.51mm Chord 14.49mm Wire .23mm		Blue Monofilament	3"/7.5cm	<b>J2559N</b> 		
			6"/15cm		<b>J2558N</b> 	
<b>DSL6</b>  3/8 Circle Length 6.15mm Curvature 135 Radius 2.54mm Chord 5.35mm Wire .15mm TG140-6		Blue Monofilament	12"/30cm	<b>J1710N</b> <b>1710G</b> 		
<b>DSL6</b>  1/2 Circle Length 5.51mm Curvature 150 Radius 2.03mm Chord 4.07mm Wire .15mm TG140-6		Blue Monofilament	12"/30cm	<b>J2529N</b> <b>7761G</b> <b>PZ756K</b>		

UltraGlide™ 			Size				
		Material	Length	9-0	8-0	7-0	6-0
<b>HLL5</b>	5.51mm 1/2 Circle		Blue Monofilament	6"/15cm	J2625N 		
CS-160-6	SE-160-6						

Needleless Suture (GATT)			Size			
	Material	Length	9-0	8-0	7-0	6-0
	Blue Monofilament Twisted	6"/15cm				J2626

## UltraPlug™ Silicone Punctal Plugs

Inserted into the punctal opening to block tear drainage through the canaliculus, silicone plugs provide long-term relief of dry eye symptoms, and enable the eye to retain more of its own natural tears. 2 per box.

- Low-profile cap design virtually eliminates foreign body sensation
- Flexibility of cap design facilitates easy removal with jeweler's forceps, if necessary
- Individually packaged and preloaded on a sterile, disposable inserter / dilator
- Manufactured from soft silicone utilizing a single piece mold design for greater patient comfort

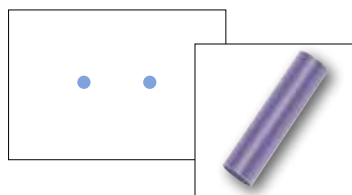
Item Number	Description
PPLUG4	0.4mm plug / Inserter
PPLUG5	0.5mm plug / Inserter
PPLUG6	0.6mm plug / Inserter
PPLUG7	0.7mm plug / Inserter
PPLUG8	0.8mm plug / Inserter



## UltraPlug™ Extended Wear Synthetic Absorbable Punctal Plugs

Inserted into the punctal opening to block tear drainage through the canaliculus, synthetic absorbable plugs provide extended temporary relief of dry eye symptoms. 2 plugs per package / 10 packages per box.

- Indicated for use in the treatment of Dry Eye Syndrome and the dry eye components of various ocular surface diseases
- May be used after ocular surgery to prevent dry eye related complications
- Ideal for post-op dry eye management of LASIK patients
- Treatment option for seasonal allergy patients experiencing dry eye symptoms
- May be beneficial for contact lens patients experiencing dry eye related symptoms
- Manufactured from E-Caprolactone-L-Lactide copolymer (PCL)
- Essentially absorbed within 2-6 months (60-180 days)



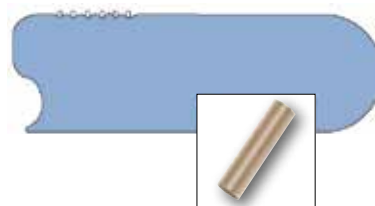
Item Number	Description
EPLUG2	0.2mm diameter / 2.0mm length
EPLUG3	0.3mm diameter / 2.0mm length
EPLUG4	0.4mm diameter / 2.0mm length
EPLUG5	0.5mm diameter / 2.0mm length

## UltraPlug™ Collagen Absorbable Punctal Plugs\*

Inserted into the punctal opening to block tear drainage through the canaliculus, collagen plugs provide temporary relief of dry eye symptoms. 6 plugs per package / 10 packages per box.

- Manufactured from precisely measured premium collagen
- Used as a diagnostic assessment for permanent punctal occlusion
- Each individually packaged card contains 6 plugs
- Essentially absorbed within 7 to 10 days

Item Number	Description
C-PLUG2	0.2mm diameter / 2.0mm length
C-PLUG3	0.3mm diameter / 2.0mm length
C-PLUG4	0.4mm diameter / 2.0mm length
C-PLUG-V	4 cards each of 3 different sizes - 0.2, 0.3, 0.4mm diameter / 2.0mm length



# Trephines\*

The trephine product line consists of disposable vacuum trephines, donor punch sets, and short or long handled trephines in sizes ranging from 6.0mm through 9.75mm, in 0.25mm increments. Advanced trephine blade technology provides an exquisitely sharp cutting edge to achieve the critical fit needed for successful cornea transplants.

	<b>Item Number</b> 11840	<b>Description</b> Vacuum Trephine - All metal, ergonomic design and ultra sharp blade with cross hairs. Designed for full-penetrating keratoplasty; Sterile; Single use; 1 piece/box
	11850	Donor Punch Set - Unique design providing precise control and full visualization throughout the procedure; Sterile; Single use; 1 set/box
	11901	X-Hair Trephine - Hand held; Sterile; Single use; 1 piece/box
	11903	Long Handled Trephine - Hand held; Sterile; Single use; 1 piece/box

Item Code	Description	Blade Sizes (mm)															
		6.00 6.25 6.50 6.75 7.00 7.25 7.50 7.75 8.00 8.25 8.50 8.75 9.00 9.25 9.50 9.75															
11840	Vacuum Trephine			•	•	•	•	•	•	•	•	•	•	•		•	
11850	Donor Punch Set			•	•	•	•	•	•	•	•	•	•	•	•	•	•
11901	X-Hair Trephine	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
11903	Long Handled Trephine			•	•	•	•	•	•	•	•	•	•	•	•	•	

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