

## 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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Trephines
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#### **Clear Control 3D Plus Slit Knives**

Sharpoint<sup>™</sup> 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
72-1650
72-1850
72-2050
72-2250
72-2450
72-2550
72-2650
72-2750
72-2850
72-3050
72-3250

B	ad	e/'	Ti.	n	

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- -
- -
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- -
- -
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- Description
- 1.6mm, angled, full handle
   1.8mm, angled, full handle
   2.0mm, angled, full handle
   2.2mm, angled, full handle
   2.4mm, angled, full handle
   2.5mm, angled, full handle
   2.65mm, angled, full handle
   2.75mm, angled, full handle
   2.85mm, angled, full handle
   3.0mm, angled, full handle
   3.2mm, angled, full handle

## **Paracentesis Incision Knives**

## **ClearPort** ParacentesisKnives 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



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#### ClearPort<sup>™</sup> Paracentesis Knives

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

Knife	Description M	laximum 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 indicat	or lines 19g
*Features SharnGuard™	Guarded Handle, 5 per box	

#### **Stab Knives**

Sharpoint™ stab knives are heat-tempered to provide a strong, true point for easy penetration during initial stab incisions. 6 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 Knives, Double-Bevel**

Sharpoint™ 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.

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Knife	Description
72-1361	1.3mm, angled, double-bevel, 1.0mm depth indicator
72-2263	2.2mm, angled, double-bevel, 1.5mm & 1.75mm depth indicator
72-2463	2.4mm, angled, double-bevel, depth indicator
72-2663	2.65mm, angled, double-bevel, depth indicators
72-2763	2.75mm, angled, double-bevel, depth indicators
72-2763G*	2.75mm, angled, double-bevel, depth indicators, guarded
72-2863	2.85mm, angled, double-bevel, depth indicators
72-2863G*	2.85mm, angled, double-bevel, depth indicators, guarded
72-3061	3.0mm, angled, double-bevel, depth indicators
72-4963	4.9mm, angled, double-bevel, depth indicators

\*Features SharpGuard<sup>™</sup> Guarded Handle. 5 per box.

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

Sharpoint™ 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

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



Visito	Diada/Tin
Knife	Blade/Tip
72-2261	-
72-2461	-
72-2561	-
72-2561G*	-
72-2661	-
72-2661G*	-
72-2761	72-2762
72-2761G*	-
72-2861	72-2862
72-2861G*	-
72-2961	-
72-2961G*	-
72-3261	-
72-4561	-
*Features SharpGuard <sup>™</sup> Gua	arded Handle. 5 per box.

Description 2.2mm, angled, bevel-up 2.4mm, angled, bevel-up 2.5mm, angled, bevel-up 2.5mm, angled, bevel-up, guarded 2.65mm, angled, bevel-up 2.65mm, angled, bevel-up 2.75mm, angled, bevel-up 2.75mm, angled, bevel-up 2.85mm, angled, bevel-up 2.85mm, angled, bevel-up 3.0mm, angled, bevel-up 3.0mm, angled, bevel-up

Slit Knives, Double-Bevel

Sharpoint<sup>™</sup> 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

Sharpoint<sup>™</sup> 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

Sharpoint<sup>™</sup> precision slit knives penetrate easily while creating an accurate width incision for optimal fit to the phacoemulsification tip. 6 per box.



## IQ Geometry<sup>™</sup> ClearTrap<sup>™</sup> Knives, Bevel-Up

Sharpoint<sup>™</sup> IQ Geometry<sup>™</sup> ClearTrap<sup>™</sup> 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

Knife



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

Sharpoint<sup>™</sup> ClearTrap<sup>™</sup> 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.



#### Description

75-1214	1.2 - 1.4mm, angled, width indicator
75-1517	1.5 - 1.7mm, angled, width indicator
75-1520	1.5 - 2.0mm, angled, width indicator
75-1720	1.7 - 2.0mm, angled, width indicator
75-2022	2.0 - 2.2mm, angled, width indicator
75-2522	2.5 - 2.9mm, angled, width indicator
75-2723	2.75 - 3.0mm, angled, width indicator
75-2724	2.75 - 3.2mm, angled, width indicator
75-2725	2.75 - 3.5mm, angled, width indicator
75-2824	2.85 - 3.2mm, angled, width indicator
75-2826	2.85 - 3.75mm, angled, width indicator

## **Implant Incision Knives**

#### Pilot Tip<sup>™</sup> Implant Knives, Bevel-Up

Sharpoint<sup>™</sup> Pilot Tip<sup>™</sup> 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.



**Description** 3.2mm, angled, bevel-up 5.2mm, angled, bevel-up 5.5mm, angled, bevel-up 

#### Implant Knives, Bevel-Up

Sharpoint<sup>™</sup> 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<sup>™</sup> Crescent Knives

Sharpoint<sup>™</sup> Sharptome<sup>™</sup> 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.





## Crescent Knives (cont'd)



#### **Mini-Crescent Knives**

Sharpoint<sup>™</sup> 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.



## **Vitrectomy Knives**

#### **Vitrectomy Knives**

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



## **Groove & Limbal Relaxation Incision Knives**

#### **Precision Depth Knives**

Sharpoint<sup>™</sup> 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.



#### **Restricted Depth Knives**

Sharpoint<sup>™</sup> 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 µm straight, full handle 450 µm straight, full handle



## **Specialty Knives**

#### Spoon Knives, Double-Bevel

Sharpoint<sup>™</sup> 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 74-2261 74-3061 Description 2.2mm, angled, double-bevel 3.0mm, angled, double-bevel

#### **Specialty Knives**

Sharpoint<sup>™</sup> specialty knives are available in a variety of shapes and sizes for various techniques and procedures. 6 per box.



## **Specialty Knives**

#### **Specialty Knives**

Sharpoint<sup>™</sup> 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**

Sharpoint™ aluminum blade and tip handle is compatible with the threaded tips of Sharpoint™ 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**

# Sharp Guard

The Protection You Want. The Precision You Need.

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

The SharpGuard<sup>™</sup> Guarded Knife features our top-quality Sharpoint<sup>™</sup> 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.



## SharpGuard<sup>™</sup>Guarded Knives

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



	/	/







82-1501G 82-2201G 82-3001G 82-4501G

Knife

Stab

**Clear Corneal** 82-2763G 82-2863G

#### Slit 82-2231G 82-2431G 82-2561G 82-2661G 82-2761G

82-2861G 82-2961G

Crescent 84-1010G

**Paracentesis** 88-2010G

1.1mm, ClearPort<sup>™</sup> paracentesis, angled, guarded



#### Description

15°, Stab, straight, guarded 22.5°, Stab, straight, guarded 30°, Stab, straight, guarded 45°, Stab, straight, guarded

2.75mm, Clear Corneal, angled, double-bevel, guarded 2.85mm, Clear Corneal, angled, double-bevel, guarded

2.2mm, Slit, angled, double-bevel, guarded 2.4mm, Slit, angled, double-bevel, guarded 2.5mm, Slit, angled, bevel-up, guarded 2.65mm, Slit, angled, bevel-up, guarded 2.75mm, Slit, angled, bevel-up, guarded 2.85mm, Slit, angled, bevel-up, guarded 3.0mm, Slit, angled, bevel-up, guarded

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

## **Suture Introduction**



- · Extra sharp cutting edges extending from the point to its widest
- 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.



#### How To Read Our Suture Box Labels

Each Sharpoint<sup>™</sup> suture box comes with a color-coded label that provides important details about the sutures contained inside.



## **Needle Chart**

#### UltraGlide<sup>™</sup> Needles

Sharpoint <sup>™</sup>	Ethicon™	Syneture™	
Bicurve			4.00
BGL5	CSB-6		4.88mm
3/8 Circle			
DGL6	CS140-6	SE-140-6	6.15mm
1/2 Circle			
HGL5	CS160-6	SE-160-6	5.51mm
HGL7	CS175-6		6.99mm
	DGE		

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5.51mm

5.51mm

14.99mm

6.6mm

8mm

8.51mm

4mm

6.15mm

6.6mm

5.51mm

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#### **Precision Conventional Cutting** $\land$ **Needles**

_	Sharpoint <sup>™</sup>	Ethicon™	Syneture <sup>™</sup>	
	3/8 Circle			
	DSCM13	PC-1	P-13	13mm
	DSCM16	PC-3	P-11	16mm

#### **Center Point Spatula Needles**

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	$\mathbf{\nabla}$

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

Vas Cutting Needles	$\bigtriangledown$
Sharpoint <sup>™</sup> Ethicon <sup>™</sup> Syneture <sup>™</sup>	
3/8 Circle	

3/8 Circle		
DVL04	•	4mm

	<b>D</b> · · ·	<b>K</b> 1 11	
M.E.I.	Point	Needles	

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

# Precision Reverse Cutting Needles

**Side Cutting Lancet Needles** 

Syneture™

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SE100-8

SD-1, SS-24

SS-14

SE140-04

SE140-6

SE140-8

SE160-6

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Ethicon™

TG6-C

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TG100-8

S-29, S-24

S-14

TG140-04

TG140-6

TG140-8

TG160-6

•

Sharpoint<sup>™</sup>

Bicurve

1/8 Circle

1/4 Circle

BSL5

SSL5

SSL15

VSL7

VSP8

VCL8

DVL04

DSL6

DSL7

HSL5

HSL7

1/2 Circle

3/8 Circle

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



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## **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



1/8 Circle: Ophthalmic



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



3/8 Circle: Skin Closure, Ophthalmic



1/4 Circle: Ophthalmic



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

## **Guide to Suture Material**

#### Absorbable

Material	Material Description	BSR Profile	Mass Absorption	
POLYSYN <sup>TM</sup> (polyglycolic acid)	Braided • Dyed (violet)	In vivo strength retention: 50% at 14 days	Essentially complete between 50 and 90 days	
	Monofilament (9-0 & 10-0 only) <ul> <li>Dyed (violet)</li> <li>Coated &amp; Uncoated</li> </ul> Common uses: Glaucoma Filtering Surgery, Blephroplasty	20% at 21 days		
Comparable to: VICRYL™				

#### Non-Absorbable

Material	Material Description	Qualities	
SILK Comparable to: PERMA-HAND™ Silk	Braided • Dyed (black) • Coated Common uses: General & Skin Closure, Plastic Surgery, Ophthalmology	<ul> <li>Excellent handling and tying characteristics</li> </ul>	
NYLON™ Comparable to: ETHILON™	Monofilament • Dyed (black) Common uses: Vitrectomy, Corneal Transplant, Opthalmology	Passes easily through tissue	
POLYPROPYLENE Comparable to: PROLENE <sup>TM</sup>	Monofilament • Dyed (blue) Common uses: Opthalmology, IOL fixation	<ul> <li>Inert</li> <li>Easy to handle</li> <li>Passes easily through tissue</li> </ul>	



## PolySyn™/Polyglycolic Acid

\人/ Side Cutting Lancet Size Material 8-0 7-0 Length 9-0 6-0 5-0 1/4 Circle Radius 4.32mm VCL8 Length 8.51mm Chord 7.28mm Curvature 109 Wire .34mm G570N Violet Braided 18"/45cm J570G 3/8 Circle Radius 2.79mm GA-546N DSL7 Chord 5.26mm Length 6.6mm 18″/45cm J546G Curvature 131 Wire .2mm GA-547N 8"/20cm J547G Violet Braided GA-548N J548G ٠ 12"/30cm GA-566N J566G • 3/8 Circle Radius 2.54mm DSL6 Length 6.15mm Chord 4.83mm GA-974N Curvature 135 Wire .15mm Violet Braided 12"/30cm J974G • 3/8 Circle Radius 1.68mm **DVL04** Chord 3.25mm Length 4mm GA-8760N Violet 5″/13cm Curvature 145 Wire .10mm D8760 Monofilament ٠ 1/4 Circle Radius 4.32mm VSP8 Chord 7.28mm Length 8.51mm G553N Wire .34mm Curvature 109 Violet Braided ٠ .

## PolySyn<sup>™</sup>/Polyglycolic Acid

M.E.T.™ Point 🐨					Size		
			Material	Length	9-0	8-0	7-0
DTRM4	3/8 Circle Length 4mm	70 Microns Curvature 135	Violet Monofilament	5"/13cm	GA-402N V402G		
DRTM5	3/8 Circle Length 5mm	100 Microns Curvature 135	Violet Braided	5"/13cm		GA-405N V405G •	
DTRM6	3/8 Circle Length 6mm	140 Microns Curvature 135	Violet Braided	5"/13cm		GA-401N V401G	

UltraGlide™	Size							
			Material	Length	10-0	9-0	8-0	
HGL5	1/2 Circle Length 5.5mm Curvature 160	Radius 2.03mm Chord 4.06mm Wire .15mm	Violet Monofilament	12"/30cm	GA-448N V448G •			

## Nylon

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

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

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

## Nylon

Side Cu	tting Lancet ${}^{\nabla}$	$\overline{\mathbf{v}}$				Size	
			Material	Length	10-0	9-0	8-0
DSL7	3/8 Circle Length 6.60mm Curvature 131	Radius 2.79mm Chord 5.26mm Wire .20mm	Black Monofilament	12"/30cm	A2532N		
DSL7	3/8 Circle Length 6.60mm Curvature 131	Radius 2.79mm Chord 5.26mm Wire .20mm	Black Monofilament	12"/30cm	A7718N 7718G	A7717N 7717G	
HSL5	1/2 Circle Length 5.51mm	Radius 2.03mm Chord 4.07mm	Black	6″/15cm	A2534N	A2681N •	
TG160-6	Curvature 150	Wire .15mm	Monofilament	12"/30cm	A2510N •		
HSL5	1/2 Circle Length 5.51mm Curvature 150	Radius 2.03mm Chord 4.07mm	Black	6″/15cm	A7757N 7757G		
Остания ТG140-6	Curvature 150	Wire .15mm	Monofilament	12"/30cm	A7756N 7756G N2756K	A7760N 7760G	
HSL7	1/2 Circle Length 7.04mm Curvature 175	Radius 2.29mm Chord 4.71mm Wire .15mm	Black Monofilament	12″/30cm	A2519N		

## Nylon

UltraGlide					Size				
			Material	Length	11-0	10-0	9-0		
DGL6	3/8 Circle Length 6.15mm Curvature 135	Radius 2.54mm Chord 4.82mm Wire .15mm	Black Monofilament	4"/10cm		A9060N 9060G •			
DGL6	3/8 Circle Length 6.15mm Curvature 135	Radius 2.54mm Chord 4.82mm Wire .15mm	Black Monofilament	12"/30cm		A9003N 9003G •			
HGL5	1/2 Circle Length 5.51mm Curvature 160	Radius 2.03mm Chord 4.06mm Wire .15mm	Black Monofilament	4"/10cm		A9061N 9061G			
HGL5	1/2 Circle Length 5.51mm Curvature 160	Radius 2.03mm Chord 4.06mm Wire .15mm	Black	6"/15cm	A9016N 9016G •	A9001N 9001G			
CS160-6 SE-160-6			Monofilament	12"/30cm		A9000N 9000G			
HGL7 (5175-8	1/2 Circle Length 6.99mm Curvature 175	Radius 2.29mm Chord 4.57mm Wire .15mm	Black Monofilament	12"/30cm		A9032N 9032G •			

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

Side Cut	ting Lancet ${}^{\nabla}$	$\overline{\mathbf{A}}$			Size				
			Material	Length	8-0	7-0	6-0		
<b>VSP8</b> 	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>	3/8 Circle Length 6.15mm Curvature 135	Radius 2.54mm Chord 4.83mm Wire .15mm	Blue Braided Virgin	18"/45cm	D2552N †				
DSL7	3/8 Circle Length 6.60mm Curvature 131	Radius 2.79mm Chord 5.26mm Wire .20mm	Black	12″/30cm	D2526N 599G				
			Braided	18"/45cm		D7733N 7733G S1768K			
TG140-8 SE-140-8		Blue Braic Virgin		18"/45cm	D2550N †				

↑ Not sold in U.S.A.

Precisi	Precision Reverse Cutting $\overline{\mathbb{V}}$					Size							
			Material	Length	9-0	8-0	7-0	6-0	5-0				
<b>DSM7</b> G-6 HE-6	7mm 3/8 Circle	$\smile$	Black Braided	12"/30cm			D2680N 768G S1768K						
<b>DSM7</b> G-6 HE-6	7mm 3/8 Circle		Black Braided	18"/45cm			D0191N \$1768K	D769N 769G •					
HSM8	8mm 1/2 Circle		Black Braided	18"/45cm				D765N					

## Polypropylene

Side Cutting Lancet Size Material Length 10-0 9-0 8-0 SSL5 1/8 Circle Radius 6.35mm Length 5.51mm Chord 5.35mm **J2560N** Blue Curvature 50 Wire .15mm 2"/5cm ٠ Monofilament . **SSL15** J2559N 1/8 Circle Radius 16.51mm 3"/7.5cm Length 14.99mm Chord 14.49mm ٠ • Curvature 50 Wire .23mm Blue Monofilament J2558N 6"/15cm ٠ DSL6 3/8 Circle Radius 2.54mm Chord 5.35mm Length 6.15mm **J1710N** Curvature 135 Wire .15mm Blue 12"/30cm 1710G Monofilament TG140-6 DSL6 1/2 Circle Radius 2.03mm Chord 4.07mm Length 5.51mm Curvature 150 Wire .15mm **J2529N** Blue 12"/30cm 7794G Monofilament PZ756K TG140-6

UltraGlide<sup>™</sup> √ Size Material Length 8-0 9-0 7-0 HGL5 5.51mm 1/2 Circle **J2625N** Blue 6"/15cm ٠ Monofilament . CS-160-6 SE-160-6

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

## UltraPlug<sup>™</sup> Punctal Plugs

#### UltraPlug<sup>™</sup> 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<sup>™</sup> 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 EPLUG2 EPLUG3 EPLUG4 EPLUG5

#### Description

0.2mm diameter /2.0mm length 0.3mm diameter /2.0mm length 0.4mm diameter /2.0mm length 0.5mm diameter /2.0mm length

#### UltraPlug<sup>™</sup> Collagen Absorbable Punctal Plugs<sup>\*</sup>

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 punctual 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\***

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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.

Item Number 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															
C	Donor Punch Set - Unique design providing precise control and full visualization throughout the procedure; Sterile; Single use; 1 set/box																	
	$\oplus$	11901	X-Hair Trephine - Hand held; Sterile; Single use; 1 piece/box															
	L	ong H	landl	ed Tr	ephir	ne - H	land	held;	Ster	ile; S	ingle	use;	1 pie	ce/bo	Х			
Item Code	Description		Blade Sizes (mm)															
	-			6.25		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					•	٠	۰	۰	0	•	0	0	•	۰		۰	
11850	Donor Punch Set					•	•	٠	0	0	0	0	0	0	0	•	۰	0
11901	X-Hair Trephine		•		•	•	•	٠	0			0	0		0	•	•	
11903	Long Handled Trephine						•		•	•	•	0	0	•	•	•		

\* Available only in North & South America (except Brazil), where approved



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