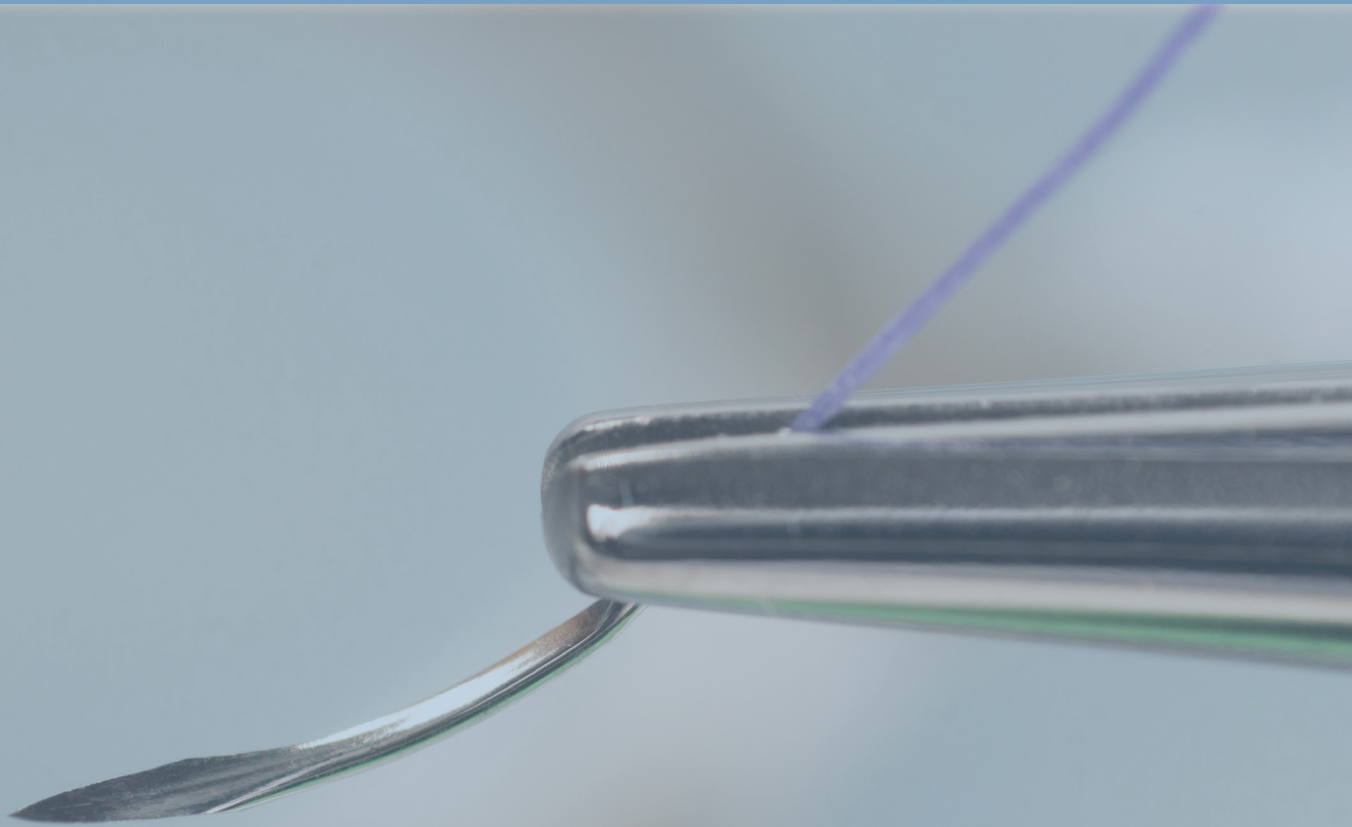




OPHTHALMIC SUTURE CATALOG

**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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A division of Surgical Specialties Corporation

# 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 Sharpoint™ 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	A7718N 7718G	A7717N 7717G

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

Product numbers are color coded respectively as Sharpoint™ (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 Sharpoint™ product code denotes the quantity per box

- **Sharpoint™** product code
- **Ethicon™** comparable product code
- **Syneture™** comparable product code

## How To Read Our Suture Box Labels

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

**Color Bar** - Points to the green header bar.

**Material** - Points to NYLON.

**Suture Length** - Points to 12"/30cm.

**Suture Size** - Points to 10-0 USP.

**Lot Number** - Points to LOTCODE.

**Expiration Date** - Points to YYYY-MM-DD.

**Certified for distribution in Europe** - Points to CE 0120.

**Product Item No.** - Points to A9000N.

**Quantity** - Points to 12.

**Needle Type / Shape** - Points to 2xHLL5 ULTRAGLIDE™ SPATULA 1/2c 5.51mm.

## 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.

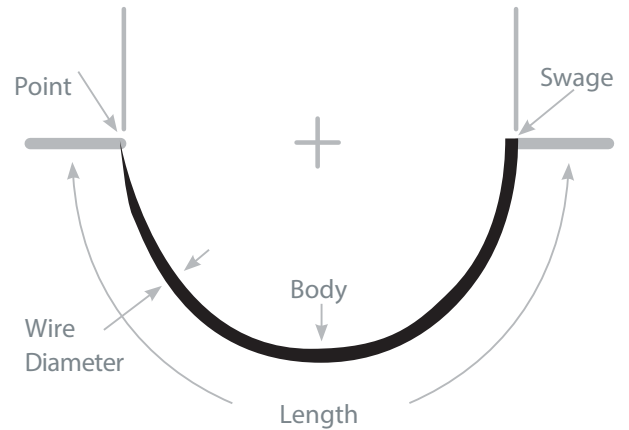
**Swage:** Connection point of the suture and the needle. Micro teeth grip the suture material and prevent it from slipping out.

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

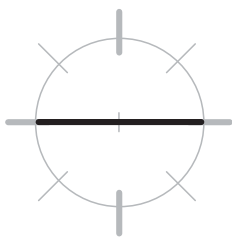
**Body:** The part between the point and the swage of the needle.

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

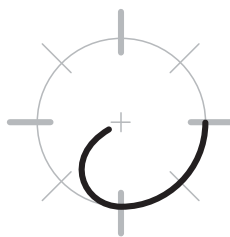
## Needle Anatomy



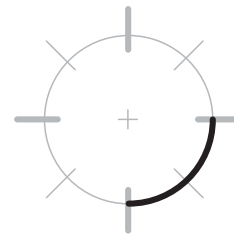
## Needle Shapes and General Uses



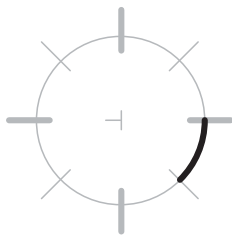
**Straight:** Skin Closure



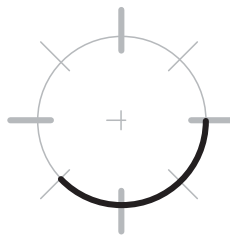
**Bi-curve:** Vasectomy Reversal, Ophthalmic



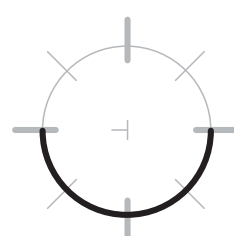
**1/4 Circle:** Ophthalmic



**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)  Comparable to: VICRYL™	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>  Comparable to: Fast Absorbing Gut Suture	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>  Comparable to: Surgical Gut Suture- Plain	Twisted <ul style="list-style-type: none"> <li>• Natural</li> <li>• Packaged in Wetting Solution</li> </ul> Common uses: General Wound 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>  Comparable to: PERMA-HAND™ Silk	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>  Comparable to: ETHILON™	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>  Comparable to: PROLENE™	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 				Size				
				9-0	8-0	7-0	6-0	5-0
		Material	Length					
<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>GA-566N</b> <b>J566G</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 .35mm		Violet Braided	12"/30cm				<b>G553N</b> <b>J553G</b> 	
			18"/45cm			<b>G544N</b>  		
			18"/45cm			<b>G555N</b> <b>J555G</b> 		
			12"/30cm			<b>G556N</b> <b>J544G</b> 		

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




# PolySyn™/Polyglycolic Acid

## M.E.T.™ Point


			Size			
			9-0	8-0	7-0	
			Material	Length		
<b>DRTM4</b> 	3/8 Circle Length 4mm Limited Supply	70 Microns Curvature 135	Violet Monofilament	5"/13cm	<b>GA-7402N</b> <b>V402G</b> ●	
<b>DRTM5</b> 	3/8 Circle Length 5mm	100 Microns Curvature 135 Wire .15mm	Violet Braided	5"/13cm	<b>GA-405N</b> <b>V405G</b> ●	
<b>DRTM6</b> 	3/8 Circle Length 6mm	140 Microns Curvature 135	Violet Braided	5"/13cm	<b>GA-401N</b> <b>V401G</b> ●	

## UltraGlide™

			Size			
			10-0	9-0	8-0	
			Material	Length		
<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> <b>V448G</b> ●	


## Express Gut™ (Plain Gut)

### Precision Conventional Cutting

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




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

# Nylon

## Center Point Spatula






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

## Side Cutting Lancet

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

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

## Side Cutting Lancet

			Size				
			Material	Length	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>  TG140-6	1/2 Circle Length 7.04mm Curvature 175	Radius 2.29mm Chord 4.71mm Wire .15mm	Black Monofilament	12"/30cm	<b>A2519N</b> ● ●		

## Vas Cutting

			Size				
			Material	Length	10-0	9-0	8-0
<b>VVL4</b>	Length 5.0mm Curvature	1/4 Circle 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>  CS140-6 SE-140-6	3/8 Circle Length 6.15mm Curvature 135	Radius 2.54mm Chord 4.82mm Wire .15mm	Black Monofilament	4"/10cm		<b>A9060N</b> 9060G ●	
<b>DLL6</b>  CS140-6 SE-140-6	3/8 Circle Length 6.15mm Curvature 135	Radius 2.54mm Chord 4.82mm Wire .15mm	Black Monofilament	12"/30cm		<b>A9003N</b> 9003G ●	
<b>HLL5</b>  CS160-6 SE-160-6	1/2 Circle Length 5.51mm Curvature 160	Radius 2.03mm Chord 4.06mm Wire .15mm	Black Monofilament	4"/10cm		<b>A9061N</b> 9061G ●	
<b>HLL5</b>  CS160-6 SE-160-6	1/2 Circle Length 5.51mm Curvature 160	Radius 2.03mm Chord 4.06mm Wire .15mm	Black Monofilament	6"/15cm	<b>A9016N</b> 9016G ●	<b>A9001N</b> 9001G ●	
				12"/30cm		<b>A9000N</b> 9000G ●	
<b>HLL7</b>  CS175-8	1/2 Circle Length 6.99mm Curvature 175	Radius 2.29mm Chord 4.57mm Wire .15mm	Black Monofilament	12"/30cm		<b>A9032N</b> 9032G ●	



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

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			<b>D1780N</b> 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	<b>D2552N</b> † ● ●		
<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	<b>D2526N</b> 599G ●		
				18"/45cm		<b>D7733N</b> 7733G S1768K	
				18"/45cm	<b>D2550N</b> † ● ●		

† Not sold in U.S.A.










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			<b>D2680N</b> 768G S1768K			
<b>DSM8</b>  G-6 HE-6	8mm 3/8 Circle	Wire .23mm	Black Braided	18"/45cm			<b>D0191N</b> ● S1768K	<b>D769N</b> 769G ●		
<b>HSM8</b> 	8mm 1/2 Circle	Wire .23mm	Black Braided	18"/45cm				<b>D765N</b> ● ●		



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

# 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	J2560N 		
<b>SSL15</b>  1/8 Circle Length 14.99mm Curvature 50 Radius 16.51mm Chord 14.49mm Wire .23mm	Blue Monofilament	3"/7.5cm	J2559N 		
		6"/15cm		J2558N 	
<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	J1710N 1710G 		
<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	J2529N 7794G PZ756K 		

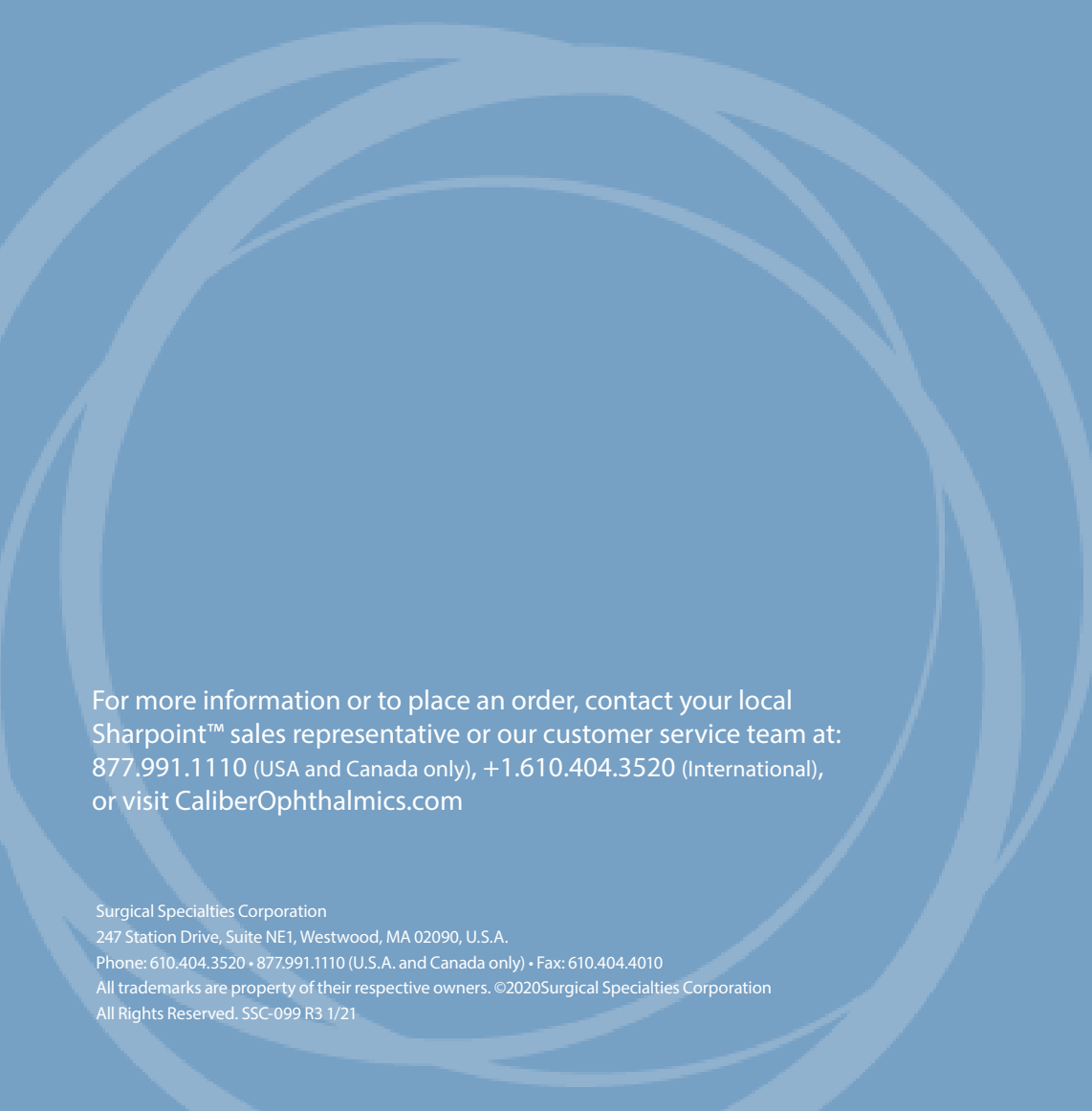
## UltraGlide™

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

## Needleless Suture (GATT)

			Size			
	Material	Length	9-0	8-0	7-0	6-0
	Blue Monofilament Twisted	6"/15cm				J2626

Product numbers are color coded respectively as Sharpint™ (dark blue), Ethicon™ (black), and Syneture™ (green).  
 N denotes a box of 12



For more information or to place an order, contact your local  
Sharpoint™ sales representative or our customer service team at:  
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or visit [CaliberOphthalmics.com](http://CaliberOphthalmics.com)

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