



A PROGRESSIVE LEGACY OF

PRECISION PERFORMANCE



Sharpoint™ Ophthalmic Products Catalog

- 40 Year Heritage Of Premium Quality
- The Sharpoint Family is Growing
- Introducing Sharpoint™ SOLO™

SURGICAL
SPECIALTIES
CORPORATION™



2015 Ophthalmic Products Catalog

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Paracentesis Incision Knives

ClearPort™ Paracentesis Knives

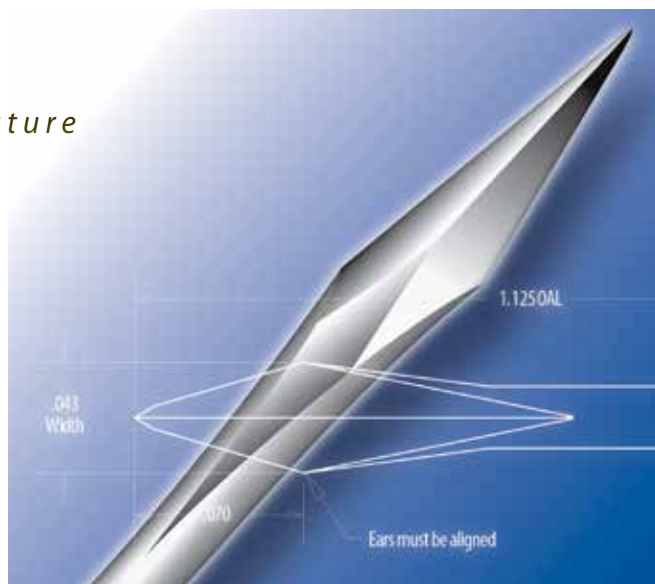
Technology = Superior Wound Architecture

Exceptional Wound Architecture

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

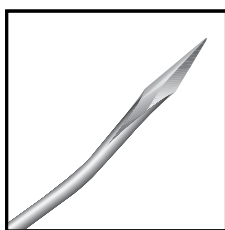
Blade Geometry

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.

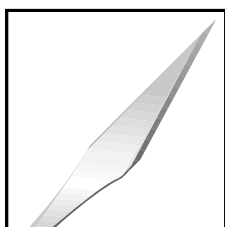


Knife	Description		Maximum Instrument Size
78-2510	0.6mm	Angled	25g
78-2310	0.8mm	Angled	23g
78-2010	1.1mm	Angled	20g
78-2010G	1.1mm	Angled*	20g
78-2019	1.4mm	Angled, 1.0mm & 1.2mm indicator lines	19g

*Features SharpGuard™ Guarded Handle

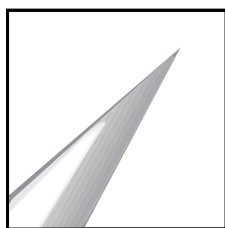
Stab Knives

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

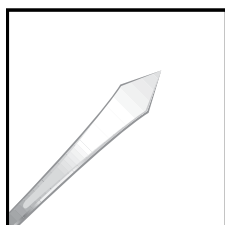


Knife	Blade/Tip	Description
72-1501	72-1502	15° Straight
72-1501G	•	15° Straight*
72-1591	•	15° Right angled
72-2201	72-2202	22.5° Straight
72-3001	72-3002	30° Straight
72-4501	72-4502	45° Straight

*Features SharpGuard™ Guarded Handle



Knife	Blade/Tip	Description
72-1531	72-1532	15° 3.0mm Straight restricted blade depth
72-1551	72-1552	15° 5.0mm Straight restricted blade depth
72-3036	•	30° 3.5mm Straight restricted blade depth

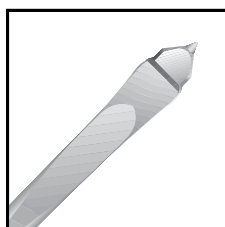


Knife	Description
72-1001	1.0mm Paracentesis, straight, single bevel

Groove & Limbal Relaxation Incision Knives

Precision Depth Knives

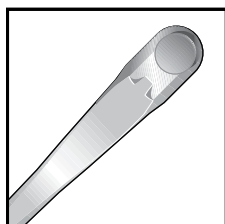
SharpPoint™ precision depth knives are designed to create groove and limbal relaxing incisions. Single formed design ensures precision accuracy. Dual cutting edges allow for incisions in left or right directions. 6 per box.



Knife	Description
72-0303	300 μ m Straight, full handle
72-3503	350 μ m Straight, full handle
72-0503	500 μ m Straight, full handle
72-5503	550 μ m Straight, full handle
72-6003	600 μ m Straight, full handle

Restricted Depth Knives

SharpPoint™ 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	Description
72-0301	300 μ m Straight, full handle
72-0401	450 μ m Straight, full handle

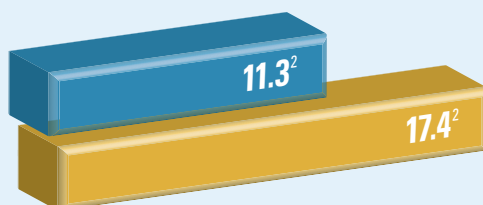
Clear Control^{3D}[™]

Sharpness is one thing, control is everything



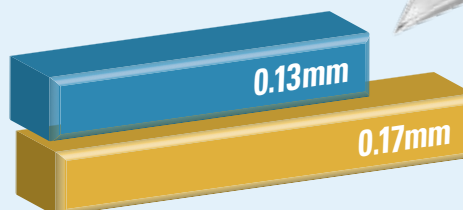
Penetration Force and Blade Thickness

Clear Control 3D[™] Knife vs. Standard Slit Knife¹



35% Lower Penetration Force Required

■ Clear Control 3D[™] Blade
■ Standard Bevel-Up Slit Blade

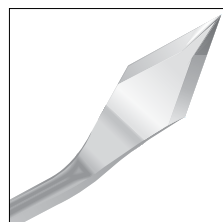


22% Thinner

¹ Comparative study on file of Surgical Specialties Corporation knives. Average values reported. ² Single pass measured in grams.

Clear Control 3D[™] Slit Knives

Sharppoint[™] Clear Control 3D[™] 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
72-1050	•	1.0mm, Angled, full handle
72-1550	•	1.5mm, Angled, full handle
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

IQ Geometry™ Knives

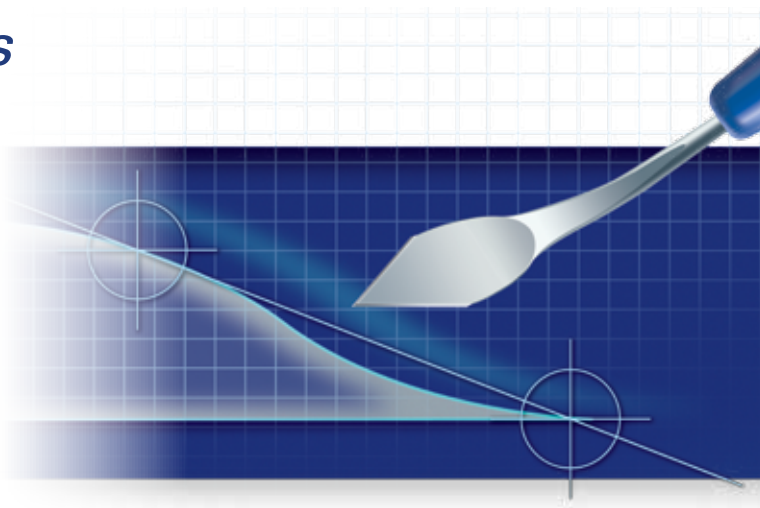
innovative design performs beyond standard knives:

Hollowed bevel design

minimizes tissue contact, resulting in a reduction in penetration force

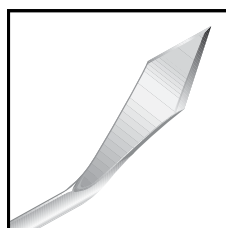
Uses Sharpoint™ Infinite Edge™

proprietary finishing technology



IQ Geometry™ Slit Knives, Bevel-Up

Sharpoint™ IQ Geometry™ slit 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. **6 per box.**



Knife

72-1540

72-2040

72-2240

72-2540

72-2640

72-2740

72-2840

72-3040

72-3240

Description

1.5mm, Angled, full handle, bevel-up

2.0mm, Angled, full handle, bevel-up

2.25mm, Angled, full handle, bevel-up

2.5mm, Angled, full handle, bevel-up

2.65mm, Angled, full handle, bevel-up

2.75mm, Angled, full handle, bevel-up

2.85mm, Angled, full handle, bevel-up

3.0mm, Angled, full handle, bevel-up

3.2mm, Angled, full handle, bevel-up

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

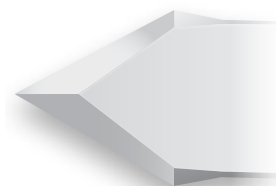
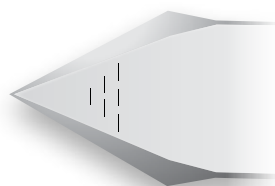
Thinner blade is designed for minimal effect on astigmatism, and to promote re-epithelialization. Short blade Length reduces risk of induced trauma.

Unique Patented Depth Indicators

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

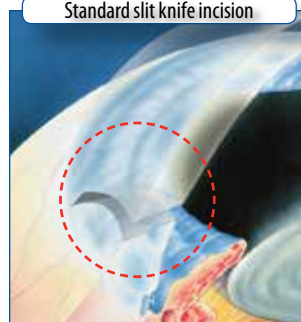
Clear Corneal Knife - Top View

Clear Corneal Knife - Bottom View



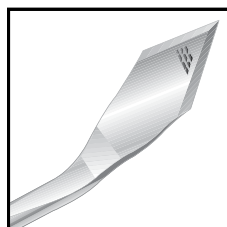
Standard slit knife incision

Clear Corneal knife incision



Clear Corneal Knives, Double-Bevel

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.**



Knife	Description
72-1361	1.3mm, Angled, double-bevel, 1.0mm width indicator
72-1661	1.6mm, Angled, double-bevel, 1.4mm width indicator
72-1863	1.8mm, Angled, double-bevel, 1.5mm width indicator
72-2263	2.2mm, Angled, double-bevel, 1.5mm & 1.75mm width indicator
72-2463	2.4mm, Angled, double-bevel, width 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
72-3263	3.2mm, Angled, double-bevel, depth indicators
72-4963	4.9mm, Angled, double-bevel, depth indicators

Clear Corneal Knives, Double-Bevel, Parallel Sides

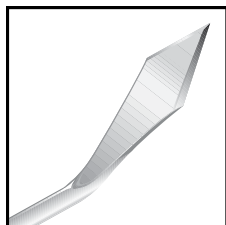
Sharpoint™ Clear Corneal knives with parallel sides feature center cutting edges with side cutting ability. The unique thin blade design and consistent sharpness creates incisions with virtually no tissue drag or distortion. Patented incision depth indicators (1.50mm, 1.75mm, 2.00mm) are visible on each blade. **6 per box.**



Knife	Description
72-2635	2.65mm, Angled, double-bevel, depth indicators
72-2735	2.75mm, Angled, double-bevel, depth indicators
72-2835	2.85mm, Angled, double-bevel, depth indicators
72-3035	3.0mm, Angled, double-bevel, depth indicators
72-3235	3.2mm, Angled, double-bevel, depth indicators

Slit Knives, Bevel-Up

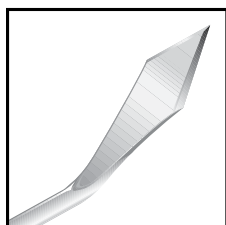
SharpPoint™ angled, bevel up precision slit knives penetrate easily while creating an accurate width incision for optimal fit to the phacoemulsification tip. **6 per box.**



Knife	Blade/Tip	Description
72-1461	•	1.4mm, Angled, bevel-up
72-1861	•	1.8mm, Angled, bevel-up
72-2261	•	2.2mm, Angled, bevel-up
72-2461	•	2.4mm, Angled, bevel-up
72-2561	72-2562	2.5mm, Angled, bevel-up
72-2561G	•	2.5mm, Angled, bevel-up, guarded
72-2661	72-2662	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	72-2962	3.0mm, Angled, bevel-up
72-2961G	•	3.0mm, Angled, bevel-up, guarded
72-3261	72-3262	3.2mm, Angled, bevel-up
72-3261G	•	3.2mm, Angled, bevel-up, guarded
72-3561	•	3.5mm, Angled, bevel-up
72-4561	•	4.5mm, Angled, bevel-up
72-5163	•	5.1mm, Angled, bevel-up

Slit Knives, Double-Bevel

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

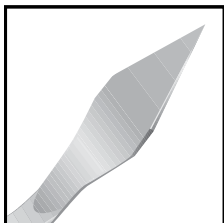


Knife	Description
72-1831	1.8mm, Angled, double-bevel
72-2231	2.2mm, Angled, double-bevel
72-2231G	2.2mm, Angled, double-bevel, guarded
72-2431	2.4mm, Angled, double-bevel
72-2431G	2.4mm, Angled, double-bevel, guarded
72-2531	2.5mm, Angled, double-bevel
72-2631	2.65mm, Angled, double-bevel
72-2831	2.8mm, Angled, double-bevel
72-2931	3.0mm, Angled, double-bevel
72-3231	3.2mm, Angled, double-bevel
72-3270	3.2mm, 70° Angled, double-bevel
72-3531	3.5mm, Angled, double-bevel

Phaco Incision Knives

Slit Knives, Bevel-Up, Parallel Sides

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



Knife

72-2912

72-3212

Blade/Tip

72-2913

•

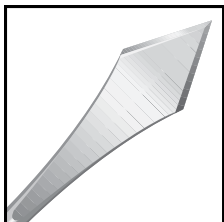
Description

3.0mm, Angled, bevel-up

3.2mm, Angled, bevel-up

Slit Knives, Single-Bevel

Sharpoint™ 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

72-3201

Description

2.85mm, Straight

3.0mm, Straight

3.2mm, Straight

Phaco / Implant Incision Knives

Trapezoid Design

Yields phaco and implant incisions in one knife

Consistency

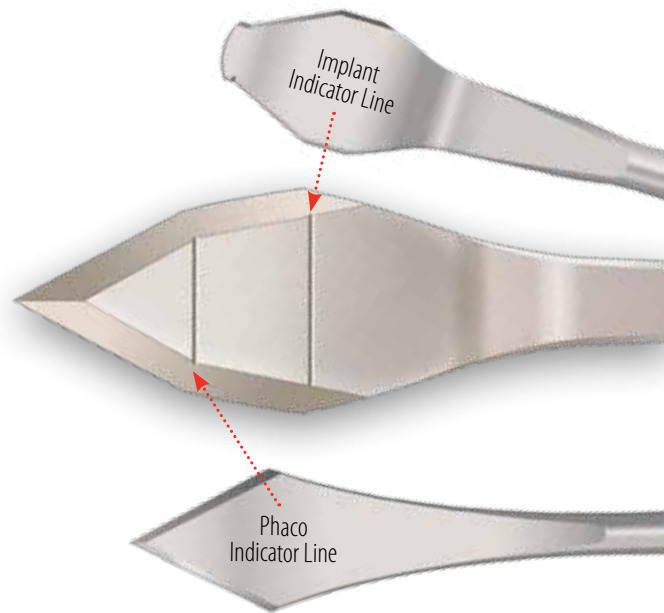
Allows surgeon to enlarge the phaco incision to a consistent, precise width for IOL insertion

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

75-1618

75-1720

75-1822

75-2022

75-2522

75-2723

75-2724

75-2725

75-2726

75-2824

75-2825

75-2826

75-2925

Description

1.2 - 1.4mm, Angled, width indicator

1.5 - 1.7mm, Angled, width indicator

1.5 - 2.0mm, Angled, width indicator

1.6 - 1.8mm, Angled, width indicator

1.7 - 2.0mm, Angled, width indicator

1.8 - 2.2mm, 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

2.75 - 3.75mm, Angled, width indicator

2.85 - 3.2mm, Angled, width indicator

2.85 - 3.5mm, Angled, width indicator

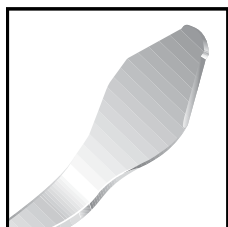
2.85 - 3.75mm, Angled, width indicator

3.0 - 3.5mm, Angled, width indicator

Implant Incision Knives

Pilot Tip™ Implant Knives, Bevel-Up

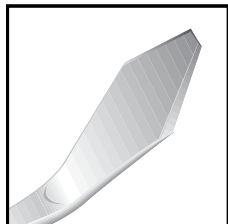
Sharpoint™ Pilot Tip™ implant knives are designed to follow the slit blade incision easily while the cutting edges create a precise opening for lens insertion. **6 per box.**



Knife	Description
76-5361	3.2mm, Angled, bevel-up
76-3461	3.5mm, Angled, bevel-up
76-3761	3.75mm, Angled, bevel-up
76-5161	5.2mm, Angled, bevel-up
76-5561	5.5mm, Angled, bevel-up

Implant Knives, Bevel-Up

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

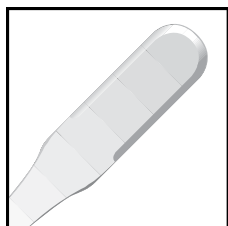


Knife	Description
76-4061	4.0mm, Angled, bevel-up
76-5261	5.2mm, Angled, bevel-up

Crescent Knives

Sharptome™ Crescent Knives

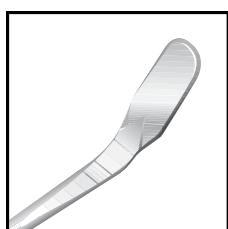
Sharpoint™ Sharptome™ crescent knives are designed to create a smooth scleral shelf to promote a self-sealing wound. The blade's consistent sharpness virtually eliminates tissue drag and distortion. **6 per box.**



Knife
74-1000

Blade/Tip
74-5000

Description
2.0mm, Straight



Knife
74-1010
74-1010G
74-1020
74-1031

Blade/Tip
74-5062

Description
2.0mm, Angled, bevel-up
2.0mm, Angled, bevel-up, guarded
2.0mm, Angled, bevel-down
2.0mm, Angled, double-bevel

Mini-Crescent Knives

Sharpoint™ 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.**



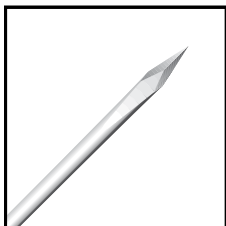
Knife
74-6910

Description
1.25mm, Angled, double-bevel

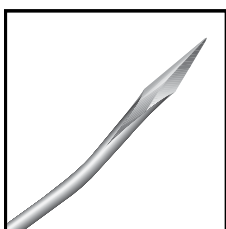
Vitrectomy Knives

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

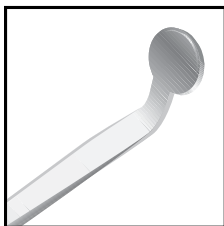


Knife	Description
71-2061	20 gauge, Angled

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

74-2261

74-3061

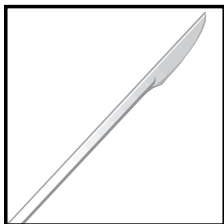
Description

2.2mm, Angled, double-bevel

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.**

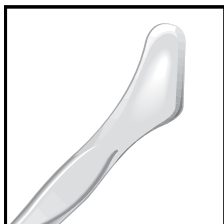


Knife

78-6810

Description

Needle blade, Straight, 4.0mm cutting edge



Knife

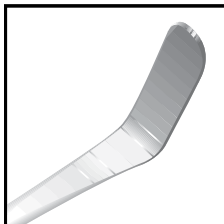
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Blade/Tip

78-5700

Description

Scleral blade, Straight



Knife

•

Blade/Tip

78-6600

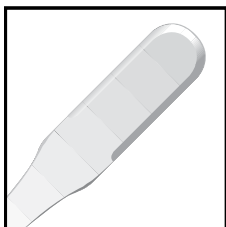
Description

2.3mm, Lamellar blade, angled, bevel-up

Specialty Knives

Specialty Knives

Sharpoint™ 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

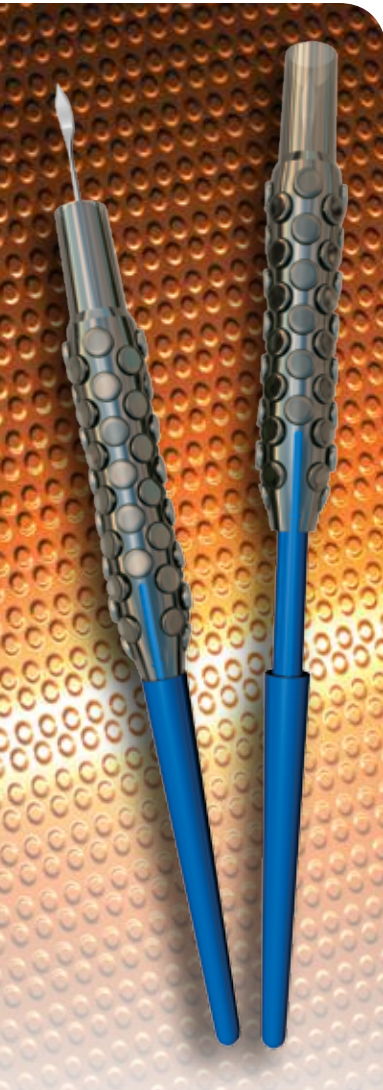
Guarded Knives



**The Protection You Want.
The Precision You Need.**

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

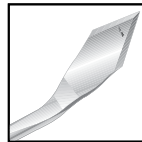
The SharpGuard™ Guarded Knife features our top-quality SharpPoint™ blade with the security of a sliding protective sheath. They are available in a wide variety of blade styles including paracentesis, slit, clear corneal and crescent designs. **5 per box.**



Knife
72-1501G

Description

15°, Stab, straight, guarded



72-2763G
72-2863G

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

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



72-2231G
72-2431G
72-2561G
72-2661G
72-2761G
72-2861G
72-2961G
72-3261G

2.2mm, Slit angled, double-bevel, guarded

2.4mm, Slit angled, double-bevel, guarded

2.5mm, Slit angled, bevel-up, guarded

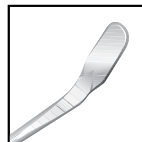
2.65mm, Slit angled, bevel-up, guarded

2.75mm, Slit angled, bevel-up, guarded

2.85mm, Slit angled, bevel-up, guarded

3.0mm, Slit angled, bevel-up, guarded

3.2mm, Slit angled, bevel-up, guarded



74-1010G

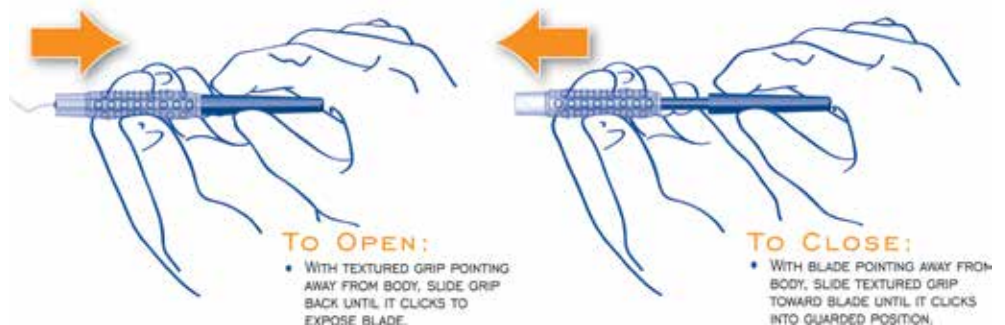
2.0mm, Crescent, angled, bevel-up, guarded



78-2010G

1.1mm, ClearPort™ paracentesis, angled, guarded

Directions For Use



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

DermaGlide™ Needles

Needle		Material	Length	Size					
				6-0	5-0	4-0	3-0	2-0	0
DGL13	13mm 3/8 Circle	Undyed Braided	18"/45cm	GD-492N J833G XL833	GD-493N J834G XL834				
P-3 DX-13									

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

Needle Chart

UltraGlide™ Needles



SharpPoint™ Ethicon™ Syneture™

Bicurve

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



DermaGlide™ Needles



SharpPoint™ Ethicon™ Syneture™

3/8 Circle

DGL11 P-1 DX-11 11mm

DGL13 P-3, PC-1 DX-13 13mm

DGL19 PS-2, PC-5 DX-19 19mm

1/2 Circle

HGL9 P-2 P-21 9mm

HGL16 PS-4, PC-12 DXH-16 16mm



Side Cutting Lancet Needles



SharpPoint™ Ethicon™ Syneture™

Bicurve

BSL5 TG6-C • 5.51mm

1/8 Circle

SSL5 • • 5.51mm

SSL15 • • 14.99mm

1/4 Circle

VSL7 TG100-8 SE100-8 6.6mm

VSP8 S-29, S-24 SD-1, SS-24 8mm

VCL8 S-14 SS-14 8.51mm

3/8 Circle

DSL6 TG140-6 SE140-6 6.15mm

DSL7 TG140-8 SE140-8 6.6mm

1/2 Circle

HSL5 TG160-6 SE160-6 5.51mm

HSL7 • • 7mm

Precision Reverse Cutting Needles



SharpPoint™ Ethicon™ Syneture™

3/8 Circle

DSM7 G-6 HE-6 7mm

DSM11 P-1, G-1 P-10 11mm

DSM13 P-13 13mm

DSM16 PS-3 P-11 16mm

1/2 Circle

HSM8 G-7 • 8mm

Reverse Cutting Needles



SharpPoint™ Ethicon™ Syneture™

3/8 Circle

DS12 C-2 C-1 12mm

DS14 C-3 C-12 14mm

DS16 FS-3 C-12 16mm

DS18 FS-2 C-13 18mm

1/2 Circle

HS16 • • 16mm

Taper Point Needles



SharpPoint™ Ethicon™ Syneture™

3/8 Circle

DRM6 BV130-5 MV135-5 5mm

DR12 C-1 CV-1 12mm

Taper Cutting Needles



SharpPoint™ Ethicon™ Syneture™

3/8 Circle

DRT14 CC-1 • 14mm

1/2 Circle

HRT17 V-5 KV-5 17mm

Precision Conventional Cutting Needles



SharpPoint™ Ethicon™ Syneture™

3/8 Circle

DSCM13 PC-1 P-13 13mm

DSCM16 PC-3 P-11 16mm

Needle Chart

Center Point Spatula Needles

SharpPoint™ Ethicon™ Syneture™

1/4 Circle

D05

RD-1

SS-24



Diamond Point Needles

SharpPoint™ Ethicon™ Syneture™

3/8 Circle

DE7

G-6

HE-6



Vas Cutting Needles

SharpPoint™ Ethicon™ Syneture™

1/4 Circle

VVL4

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M.E.T.™ Point Needles

SharpPoint™ Ethicon™ Syneture™

3/8 Circle

DRM5

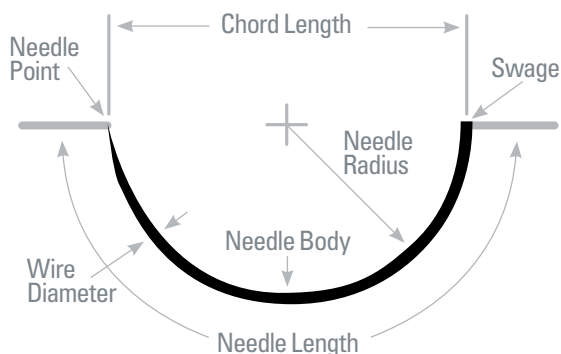
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Needle Specifications

Needle Anatomy



Needle Terminology

Chord Length: Straight line distance from the point of a curved Needle to the swage

Needle Length: Distance measured along the circumference of the Needle, from the point to the swage

Needle Shapes: Different surgeries or surgical techniques demand different Needle shapes. Needles are available in the following shapes: straight, bicurve, 1/8 circle, 1/4 circle, 3/8 circle and 1/2 circle

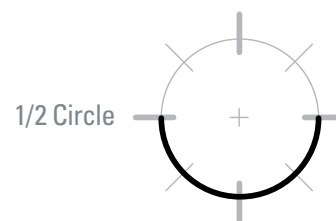
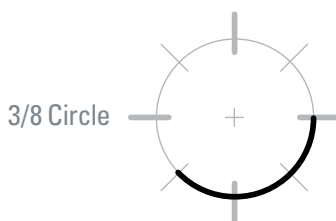
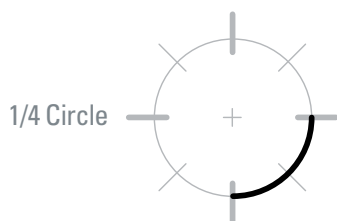
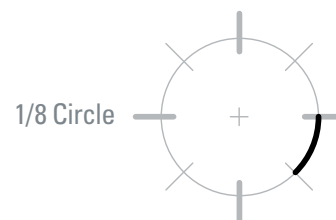
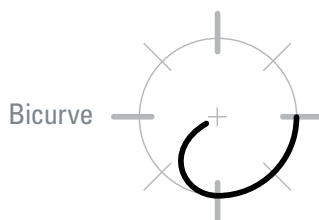
Point: The sharpened part of the Needle that first penetrates the tissue

Radius: Distance from the center of an imaginary circle that would be formed by the Needle if it were round. The radius is measured to the middle of the Needle wire

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 Needle wire originally used to form the Needle body

Needle Shapes



Suture Materials

Absorbable

Material	Material Description	BSR Profile	Mass Absorption
Gut  • Surgical Gut Suture - Plain/Chromic * Plain Gut/Chromic Gut	Twisted • Plain & Chromic • Packaged Dry or in Wetting Solution Common uses: General Closure, OB/Gyn, Urology, Bowel Anastomosis	In vivo strength retention: Varies	Varies depending upon type of suture (plain vs. chromic) and site of placement
PolySyn FA™ (polyglycolic acid)  • VICRYL RAPIDE™ * Velosorb™ Fast	Braided • Undyed (clear) • Coated Common uses: General Closure, OB/Gyn, Urology	In vivo strength retention: 48% at 7 days 0% at 14 days	Essentially complete between 49 and 63 days

Non-Absorbable

Material	Material Description	Qualities
Polyviolene™ (Uncoated) (poly (ethylene-terephthalate))  • MERSILENE™ * Surgidac™	Braided • Undyed (white) • Dyed (green) • Uncoated Common uses: General & Skin Closure, Plastic Surgery, Ophthalmology, Cardiovascular Surgery, Neurological Procedures	• Smooth • Easy to handle • Good knot security
Nylon  • ETHILON™ * Monosof™/Dermalon™	Monofilament • Undyed (clear) • Dyed (blue) (black) • Packaged dry or in wetting solution Common uses: General & Skin Closure, Plastic Surgery, Ophthalmology, Microsurgery, Cardiovascular Surgery, Gastrointestinal	• Passes easily through tissue
Silk  • PERMA-HAND™ Silk * SofSilk™	Braided • Undyed (white) • Dyed (black) • Coated Common uses: General & Skin Closure, Gastrointestinal, Cardiovascular Surgery, Plastic Surgery, Ophthalmology	• Excellent handling and tying characteristics
Polypropylene  • PROLENE™ * Surgipro™/Surgipro™ II	Monofilament • Undyed (clear) • Dyed (blue) Common uses: General & Skin Closure, Neurosurgery, Plastic Surgery, Ophthalmology, Microsurgery, Cardiovascular Surgery	• Inert • Easy to handle • Passes easily through tissue

• Comparable Ethicon™ Material * Comparable Syneture™ Material

Plain Gut Sutures*

Precision Conventional Cutting Needles

Needle	Material	Length	Size					
			10-0	9-0	8-0	7-0	6-0	5-0
DSCM13 11mm 3/8 Circle  PC-1 P-13	Plain Gut	18"/45cm					B2711N 1916G XG1916	

Precision Reverse Cutting Needles

Needle	Material	Length	Size					
			10-0	9-0	8-0	7-0	6-0	5-0
DSM11 11mm 3/8 Circle  P-1 P-10	Plain Gut	12"/30cm					B2698N 	
		18"/45cm					B660N/ B774N 774G SG1645	
DSM11 11mm 3/8 Circle  P-1 P-10	Plain Gut	18"/45cm					B770N 770G SG1645	

*Gut sutures are not CE marked.

Chronic Gut Sutures*

Precision Reverse Cutting Needles

Needle	Material	Length	Size					
			10-0	9-0	8-0	7-0	6-0	5-0
DSM13 13mm 3/8 Circle  P-3 DX-13	Chronic Gut	18"/45cm						C687N 

*Gut sutures are not CE marked.

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) Sutures

Diamond Point Needles

Needle	Material	Length	Size					
			9-0	8-0	7-0	6-0	5-0	4-0
DE7 8.13mm 3/8 Circle  G-6 HE-6	Violet Braided	12"/30cm				G551N J551G L1551K		

Precision Conventional Cutting Needles

Needle	Material	Length	Size					
			9-0	8-0	7-0	6-0	5-0	4-0
DSCM13 13mm 3/8 Circle  PC-1 P-13	Undyed Braided	18"/45cm					G834N J834G SL5687G	
DSCM16 16mm 3/8 Circle  PC-3 PC-11	Undyed Braided	18"/45cm						G845N VR835 SL5686G

Precision Reverse Cutting Needles

Needle	Material	Length	Size					
			8-0	7-0	6-0	5-0	4-0	3-0
DSM11 11mm 3/8 Circle  P-1 DX-11	Undyed Braided	8"/20cm			G489NS 			
		18"/45cm				G490N J490G SL1689G		
DSM13 13mm 3/8 Circle  P-3 DX-13	Undyed Braided	8"/20cm			G492NS 	G493NS 	G494NS 	
		18"/45cm			G492N J833G XL833	G493N/ G463N J834G XL834	G494N J835G XL835	
DSM16 16mm 3/8 Circle  PS-3 P-11	Undyed Braided	18"/45cm			G499N J499G XL843	G500N J500G SL5626G		G0508N  SL5621
DSM19 19mm 3/8 Circle  PS-2 DX-19	Undyed Braided	8"/20cm				G495S 	G496S 	
		18"/45cm			G794N 	G495N J822G XL822	G496N J823G XL823	G497N J824G XL824

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

PolySyn™ (Polyglycolic Acid) Sutures

Precision Reverse Cutting Needles (cont'd) ▽

Needle		Material	Length	Size				
				8-0	7-0	6-0	5-0	4-0
HSM9	9mm 1/2 Circle 	Undyed Braided	18"/45cm				G503N J503G SL1644G	G504N J504G SL1645G
P-2 P-21								
HSM16	16mm 1/2 Circle 	Undyed Braided	18"/45cm				G506N J506G SL5632G	G507N J507G SL5633G
PS-4 P-24								

Side Cutting Lancet Needles ▽

Needle		Description	Material	Length	Size			
					8-0	7-0	6-0	5-0
VSL7		1/4 Circle Length 6.60mm Curvature 94	Radius 3.94mm Chord 5.89mm Wire .20mm	Violet Braided	18"/45cm			G544N J544G L1750K
TG100-8 SE-100-8								
VCL8		1/4 Circle Length 8.51mm Curvature 112	Radius 4.36mm Chord 7.24mm Wire .33mm	Undyed Braided	18"/45cm			G670N J670G L1670
								G671N J671G L1669
		1/4 Circle Length 8.51mm Curvature 109	Radius 4.32mm Chord 7.28mm Wire .34mm	Violet Braided	8"/20cm			G590N J590G L1740K
					18"/45cm			G570N J570G ●
S-14 SS-14								
VSP8		1/4 Circle Length 8.51mm Curvature 112	Radius 4.36mm Chord 7.24mm Wire .33mm	Violet Braided	12"/30cm			G556N J556G L1446K
		1/4 Circle Length 8.51mm Curvature 109	Radius 4.32mm Chord 7.28mm Wire .34mm		18"/45cm			G555N J555G ●
					12"/30cm			G552N J552G L1742K
S-29, S-24 SD-1, SS-24								G553N J553G L1785K

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

PolySyn™ (Polyglycolic Acid) Sutures

Taper Cutting Needles

Needle	Material	Length	Size					
			8-0	7-0	6-0	5-0	4-0	3-0
HRT17 17mm 1/2 Circle  V-5 KV-5	Violet Braided	18"/45cm				G0502N ●		

Polyviolene™ (Polyester) Sutures

Side Cutting Lancet Needles

Needle	Material	Length	Size				
			8-0	7-0	6-0	5-0	4-0
VSP8 8mm 1/4 Circle  T1 S-24 SS-14	White Braided Uncoated	18"/45cm				F893NC W893 ●	

Taper Cutting Needles

Needle	Material	Length	Size					
			8-0	7-0	6-0	5-0	4-0	3-0
HRT17 17mm 1/2 Circle  V-5 KV-5	Green Braided Uncoated	12"/30cm Loop					F2600N ●	F2678N X872H ●

Nylon Sutures

Center Point Spatula Needles

Needle	Description	Material	Length	Size		
				7-0	6-0	5-0
DO5  RD-1 SS-24	1/4 Circle Length 8.00mm Curvature 90 Radius 5.10mm Chord 6.00mm Wire .33mm	Black Monofilament	18"/45cm			A749N 749G N2781

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.

Nylon Sutures

DermaGlide™ Needles

Needle	Material	Length	Size					
			9-0	8-0	7-0	6-0	5-0	4-0
DGL13 11mm 3/8 Circle  P-3 DX13	Black Monofilament	18"/45cm				AD-1698 1698G XN1856	AD-698N 698G XN1855	
DGL19 13mm 3/8 Circle  PC-5 DX19	Black Monofilament	18"/45cm					AD-1666 1666G SN5666G	AD-1667 1667G SN5667G

Precision Conventional Cutting Needles

Needle	Material	Length	Size					
			9-0	8-0	7-0	6-0	5-0	4-0
DSCM16 16mm 3/8 Circle  PC-3 PC-11	Black Monofilament	18"/45cm				A1866N 1866G SN1966	A1865N 1865G SN3965	A1864N 1864G SN1964
	Black Monofilament Pliable	18"/45cm					A1965N 1965G SN3965	

Precision Reverse Cutting Needles

Needle	Material	Length	8-0	7-0	6-0	5-0	4-0
DSM11 11mm 3/8 Circle  P-1 P-10	Black Monofilament	18"/45cm		A1696N 1866G SN3686			
DSM13 13mm 3/8 Circle  P-3 P-13	Black Monofilament	18"/45cm			A1698N 1698G SN5696G	A698N 698G SN5698G	A699N 699G SN5699G
	Clear Monofilament	18"/45cm					A691N 691G SN5691G
DSM16 16mm 3/8 Circle  PS-3 P-11	Black Monofilament	18"/45cm				A1668N 1668G SN5668G	

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.

Nylon Sutures

Side Cutting Lancet Needles

Needle	Description	Material	Length	Size		
				10-0	9-0	8-0
BSL5  TG6-C	Bicurve Length 4.88mm Curvature 90/50 Radius 1.52/2.79mm Chord 3.71mm Wire .15mm	Black Monofilament	6"/15cm	A2687N 7799G ●		
			12"/30cm	A2522N ● ●		
BSL5  TG6-C	Bicurve Length 4.88mm Curvature 90/50 Radius 1.52/2.79mm Chord 3.71mm Wire .15mm	Black Monofilament	8"/20cm	A2524N ● ●		
			12"/30cm	A2525N 7799G ●		
DSL6  TG140-6	3/8 Circle Length 6.15mm Curvature 135 Radius 2.54mm Chord 4.83mm Wire .15mm	Black Monofilament	6"/15cm	A2683N ● ●		
			12"/30cm	A2533N ● ●		
DSL6  TG140-6	3/8 Circle Length 6.15mm Curvature 135 Radius 2.54mm Chord 4.83mm Wire .15mm	Black Monofilament	12"/30cm	A770N 7770G ●		
DSL7  TG140-8	3/8 Circle Length 6.60mm Curvature 131 Radius 2.79mm Chord 5.26mm Wire .20mm	Black Monofilament	12"/30cm	A2532N ● ●		
DSL7  TG140-8	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  TG160-6	1/2 Circle Length 5.51mm Curvature 150 Radius 2.03mm Chord 4.07mm Wire .15mm	Black Monofilament	6"/15cm	A2534N ● ●	A2681N ● ●	
			12"/30cm	A2579N ● ●		
HSL5  TG160-6	1/2 Circle Length 5.51mm Curvature 150 Radius 2.03mm Chord 4.07mm Wire .15mm	Black Monofilament	6"/15cm	A7757N 7757G ●		
			12"/30cm	A7756N 7756G N2756K ●	A7760N 7760G ●	
HSL7  TG160-6	1/2 Circle Length 7.04mm Curvature 175 Radius 2.29mm Chord 4.71mm Wire .15mm	Black Monofilament	12"/30cm	A0819N ● ●		

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.

Nylon Sutures

UltraGlide™ Needles

Needle	Description	Material	Length	Size		
				11-0	10-0	9-0
BGL5  CSB-6	Bicurve Length 4.88mm Curvature 90/50 Radius 1.52/2.79mm Chord 3.71mm Wire .15mm	Black Monofilament	12"/30cm		A2675N 9007G ●	
DGL6  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		A9060N 9060G ●	
DGL6  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		A9003N 9003G ●	
HGL5  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		A9061N 9061G ●	
HGL5  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	A9016N 9016G ●	A9001N 9001G ●	
			12"/30cm		A9000N 9000G ●	
HGL7  CS175-8	1/2 Circle Length 6.99mm Curvature 175 Radius 2.29mm Chord 4.57mm Wire .15mm	Black Monofilament	12"/30cm		A9032N 9032G ●	

UltraGlide™ Needles

Needle	Description	Material	Length	Size		
				10-0	9-0	8-0
VVL4 	1/4 Circle Length 4mm 100 Microns Curvature 109	Black Monofilament	5"/13cm		A0819N ● ●	

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

Silk Sutures

Precision Reverse Cutting Needles ▼

			Size				
Needle	Material	Length	9-0	8-0	7-0	6-0	5-0
DSM7 7mm 3/8 Circle  G-6 HE-6	Black Braided	12"/30cm			D2680N 768G S1768K		
DSM7 7mm 3/8 Circle  G-6 HE-6	Black Braided	18"/45cm			D0191N 7733G S1768K	D769N 769G ●	
DSM11 11mm 3/8 Circle  P-1 P-10	Black Braided	18"/45cm				D639N 639G S51639G	
DSM11 11mm 3/8 Circle  P-1 P-10	Black Braided	18"/45cm				D780N 780G S1750	
HSM8 8mm 1/2 Circle  G-7 HE-7	Black Braided	18"/45cm				D765N 765G S1765	

Reverse Cutting Needles ▼

			Size				
Needle	Material	Length	7-0	6-0	5-0	4-0	3-0
DS12 12mm 3/8 Circle  C-2 C-1	Black Braided	18"/45cm		D1639N ● S1172	D0374N ● S1173		
DS16 16mm 3/8 Circle  FS-3 C-12	Black Braided	18"/45cm			D1678N 1678H SS5678	D0239N 739G SS686	DC-0389N ● ●
DS18 18mm 3/8 Circle  FS-2 C-13	Black Braided	18"/45cm			D682N 682G SS682G	D683N 683G SS683G	D1679N 1679H SS694
HS16 16mm 1/2 Circle  	Black Braided	18"/45cm					D2460N ● ●

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.

Silk Sutures

Side Cutting Lancet Needles

Needle	Description	Material	Length	Size		
				8-0	7-0	6-0
VSP8  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
DSL6  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	DA-2552N † ● ●		
DSL7  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		D7333N 7733G S1768K	
		Blue Braided Virgin	18"/45cm	DA-2550N † ● ●		

† Not sold in U.S.A.

Taper Cutting Needles

Needle	Material	Length	Size				
			8-0	7-0	6-0	5-0	4-0
DRT14 14mm 3/8 Circle  CC-1	Black Braided	18"/45cm			D7729N 7729G ●		D945N K945G ●

Taper Point Needles

Needle	Material	Length	Size				
			8-0	7-0	6-0	5-0	4-0
DR12 12mm 3/8 Circle  C-1 CV-1	Black Braided	18"/45cm			D707N 707G VS802		D7734N 7734G ●

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 Sutures

M.E.T.™ Point Needles

Needle	Description	Material	Length	Size		
				10-0	9-0	8-0
DRM5 	3/8 Circle Length 5mm 100 Microns Curvature 135	Blue Monofilament	5"/13cm		JA-2123N ● ●	

Precision Conventional Cutting Needles

Needle	Material	Length	Size				
			8-0	7-0	6-0	5-0	4-0
DSCM13  PC-1 P-13	Blue Monofilament	18"/45cm				J8618N ● ●	
DSCM16  PC-3 P-11	Blue Monofilament	18"/45cm				J2457N ● ●	J8634N ● ●

Precision Reverse Cutting Needles

Needle	Material	Length	Size				
			7-0	6-0	5-0	4-0	3-0
DSM11 11mm 3/8 Circle  P-1 P-10	Blue Monofilament	18"/45cm	J8696N 8696G SP1696G	J8697N 8697G SP5696G			
DSM13 13mm 3/8 Circle  P-3 P-13	Blue Monofilament	18"/45cm			J8698N 8698G SP5698G		
DSM16 16mm 3/8 Circle  PS-3 P-11	Blue Monofilament	18"/45cm		J8680N 8680G SP5680G	J8681N 8681G SP5681G		

Reverse Cutting Needles

Needle	Material	Length	Size				
			7-0	6-0	5-0	4-0	3-0
DS14 14mm 3/8 Circle C-3 C-12	Blue Monofilament	18"/45cm		J1712N ● SP660G	J1713N ● ●		

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 Sutures

Side Cutting Lancet Needles

Needle	Description	Material	Length	Size		
				10-0	9-0	8-0
SSL5 	1/8 Circle Length 5.51mm Curvature 50 Radius 6.35mm Chord 5.35mm Wire .15mm	Blue Monofilament	2"/5cm	J2560N ● ●		
SSL15 	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 ● ●	
DSL6  TG140-6	3/8 Circle Length 6.15mm Curvature 135 Radius 2.54mm Chord 5.35mm Wire .15mm	Blue Monofilament	12"/30cm	J1710N 1710G ●		
HSL5  TG160-6 SE-160-6	1/2 Circle Length 5.51mm Curvature 150 Radius 2.03mm Chord 4.07mm Wire .15mm	Blue Monofilament	12"/30cm	J2529N 7794G PZ756K		

Taper Point Needles

Needle	Material	Length	Size				
			8-0	7-0	6-0	5-0	4-0
DRM6 6mm 3/8 Circle  BV-130-5 MV-135-5	Blue Monofilament	5"/13cm	J2775N 2775G ●				

UltraGlide™ Needles

Needle	Material	Length	Size				
			8-0	8-0	7-0	6-0	5-0
HGL5 5.51mm 1/2 Circle  CS-160-6 SE-160-6	Blue Monofilament	6"/15cm	J2625N ● ●				

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.

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



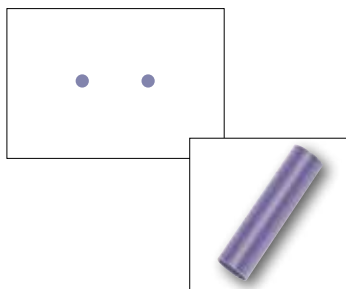
Item Number	Description
PPLUG4	0.4mm plug / inserter
PPLUG5	0.5mm plug / inserter
PPLUG6	0.6mm plug / inserter
PPLUG7	0.7mm plug / inserter
PPLUG8	0.8mm plug / inserter

UltraPlug™
Punctal Plugs

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)



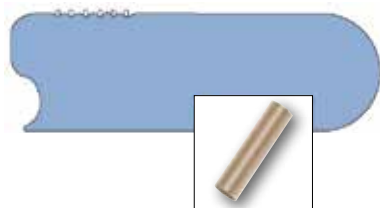
Item Number	Description
EPLUG2	0.2mm diameter /2.0mm Length
EPLUG3	0.3mm diameter /2.0mm Length
EPLUG4	0.4mm diameter /2.0mm Length

UltraPlug™ Punctal Plugs

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



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

*UltraPlug™ Collagen Absorbable Punctal Plugs are not CE marked.

Trephines

Trephines*

The trephine product line consists of disposable vacuum trephines, donor punch sets, and short or long handled trephines in sizes ranging from 6.00mm 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

Description

Vacuum Trephine - All metal, ergonomic design and ultra sharp blade with cross hairs. Designed for full-penetrating keratoplasty; Sterile; Single use; 1 piece/box



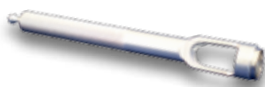
11850

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			•	•	•	•	•	•	•	•	•	•	•	•	•	

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

Clear Corneal Knife, Double-Bevel

The Sharpoint™ 4.9mm Clear Corneal knife is designed to create a 4.9mm clear corneal incision needed for insertion of the EndoGlide™ cartridge. This knife features tapered bevel cutting edges designed to compensate for corneal curvature, creating a self-sealing linear incision. Patented incision depth indicators (1.5mm, 1.75mm, 2.0mm) are visible on each blade. **6 per box.**



Knife	Description
72-4963	4.9mm Angled, double-bevel, depth indicators

Slit Knife, Bevel-Up

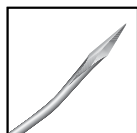
The Sharpoint™ 4.5mm angled, bevel up slit knife is designed to create an accurate 4.5mm scleral incision needed for insertion of the EndoGlide™ cartridge. **6 per box.**



Knife	Description
72-4561	4.5mm Angled, bevel-up

ClearPort™ Paracentesis Knife

The Sharpoint™ 1.1mm ClearPort™ Paracentesis knife is designed to create a consistent, self-sealing paracentesis incision for insertion of the EndoGlide™ curved placement forceps. **6 per box.**

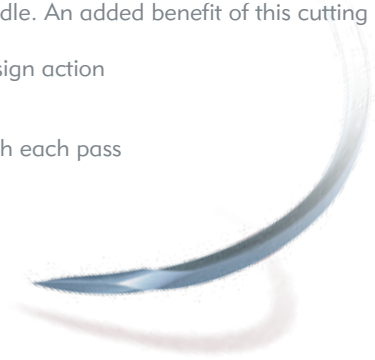


Knife	Description	Maximum Instrument Size
78-2010	1.1mm, Angled	20g

UltraGlide™ Sutures

UltraGlide™ sutures are a perfect choice for corneal transplant procedures, offering the surgeon reliable sharpness, pass after pass. The tip's ultra-sharp point and concave facets ensure precise placement, smooth penetration and dependable strength. Complementing this superior cutting geometry is an innovative "lift and cut" ramp that counters the corneal tissue's tendency to "roll under" and follow the Needle. An added benefit of this cutting geometry is the ability to bury suture knots more easily.

- Unique "lift and cut" design action
- Reduced tissue drag
- Effortless penetration with each pass
- Non-glare finish



UltraGlide™ Needles

Needle	Description	Material	Length	11-0	10-0	9-0
BGL5 CSB-6	Bicurve Length 4.88mm Curvature 90/50	Radius 1.52/2.79mm Chord 3.71mm Wire 1.5mm	Black Monofilament	12"/30cm	A2675N 9007G	
DGL6 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	A9060N 9060G	
DGL6 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	A9003N 9003G	
HGL5 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	A9061N 9061G	
HGL5 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	A9016N 9016G	A9001N 9001G
			Black Monofilament	12"/30cm	A9000N 9000G	
HGL7 CS175-8	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™ (blue), Ethicon™ (black), and Syneture™ (dark green).
B or N denotes a box of 12; D denotes a box of 36.

Sharpoint I/A Handpiece

- Single Use
- Machine Compatible
- Available In Standard, Soft Tip, Micro Incision And Bi-Manual



Product Code	Size	Type	Description	Pieces/Box
			Standard	
92-5000	16G/21G	I/A Handpiece	Straight Tip	5
92-5045	16G/21G	I/A Handpiece	45° Angled Tip	5
92-5060	16G/21G	I/A Handpiece	60° Angled Tip	5
92-5090	16G/21G	I/A Handpiece	90° Angled Tip	5
			2.2mm Incision	
92-5200	17G/24G	I/A Handpiece	Straight Tip	5
92-5245	17G/24G	I/A Handpiece	45° Angled Tip	5
92-5260	17G/24G	I/A Handpiece	60° Angled Tip	5
92-5290	17G/24G	I/A Handpiece	90° Angled Tip	5
			Soft Tip, Standard	
92-4000	21G	I/A Handpiece	Straight Tip	5
92-4045	21G	I/A Handpiece	45° Angled Tip	5
92-4060	21G	I/A Handpiece	60° Angled Tip	5
92-4090	21G	I/A Handpiece	90° Angled Tip	5
			Soft Tip, 2.2mm Incision	
92-4200	24G	I/A Handpiece	Straight Tip	5
92-4245	24G	I/A Handpiece	45° Angled Tip	5
92-4260	24G	I/A Handpiece	60° Angled Tip	5
92-4290	24G	I/A Handpiece	90° Angled Tip	5
			Bi-Manual	
92-3000 Set	23G x 3/4	Bi-Manual Handpiece	Irrigation Handpiece. Thin wall, Curved set 0.35mm side ports	5 Pairs
	23G x 3/4	Bi-Manual Handpiece	Aspiration Handpiece. Thin wall, Curved 0.3mm side port. Micro-etched tip	
92-3045 Set	23G x 3/4	Bi-Manual Handpiece	Irrigation Handpiece. Ultra thin wall, Curved, 45° bevelled tip	5 Pairs
	23G x 3/4	Bi-Manual Handpiece	Aspiration Handpiece. Thin wall, Curved 0.3mm side port	

Ophthalmic Knives

Item No.	Description	Page
71-1901	Vitrectomy Knife, 19g	11
71-2001	Vitrectomy Knife, 20g	11
71-2061	Vitrectomy Knife, 20g, Angled	11
71-2301	Vitrectomy Knife, 23g	11
71-2501	Vitrectomy Knife, 25g	11
72-0301	Restricted Depth Knife, 300 Micron, Straight	2
72-0303	Precision Depth Knife, 300 Micron, Straight	2
72-0401	Restricted Depth Knife, 450 Micron, Straight	2
72-0503	Precision Depth Knife, 500 Micron, Straight	2
72-1001	1.0mm Paracentesis Knife, Straight	2
72-1050	Clear Control 3D™ Slit Knife, 1.0mm, Angled	3
72-1361	Clear Corneal Knife, Angled, 1.3mm, 1.0mm Width	5
72-1461	Slit Knife, Bevel-Up, 1.4mm, Angled	6
72-1501	Stab Knife, 15 Degree, Straight	1
72-1501G	Guarded Stab Knife, 15 Degree, Straight	1,14
72-1502	Stab Blade/Tip, 15 Degree, Straight	2
72-1531	Stab Knife, 15 Degree, 3.0mm Restricted Blade Depth	2
72-1532	Stab Blade/Tip, 15 Degree, 3.0mm Restricted Blade Depth	2
72-1540	IQ Geometry™ Slit Knife, Bevel-Up, 1.5mm, Angled	4
72-1550	Clear Control 3D™ Slit Knife, 1.5mm, Angled	3
72-1551	Stab Knife, 15 Degree, 5.0mm Restricted Blade Depth	2
72-1552	Stab Blade/Tip, 15 Degree, 5.0mm Restricted Blade Depth	2
72-1591	Stab Knife, 15 Degree, Right Angled	1
72-1650	Clear Control 3D™ Slit Knife, 1.6mm, Angled	3
72-1661	Clear Corneal Knife, 1.6mm, 1.4mm Width	5
72-1831	Slit Knife, Double-Bevel, 1.8mm, Angled	6
72-1850	Clear Control 3D™ Slit Knife, 1.8mm, Angled	3
72-1861	Slit Knife, Bevel-Up, 1.8mm, Angled	6
72-1863	Clear Corneal Knife, 1.8mm, Angled	5
72-2040	IQ Geometry™ Slit Knife, Bevel-Up, 2.0mm, Angled	4
72-2050	Clear Control 3D™ Slit Knife, 2.0mm, Angled	3
72-2201	Stab Knife, 22.5 Degree, Straight	1
72-2202	Stab Blade/Tip, 22.5 Degree, Straight	2
72-2231	Slit Knife, Double-Bevel, 2.2mm, Angled	6
72-2231G	Guarded Slit Knife, Double-Bevel, 2.2mm, Angled	6,14
72-2240	IQ Geometry™ Slit Knife, Bevel-Up, 2.25mm, Angled	4
72-2250	Clear Control 3D™ Slit Knife, 2.2mm, Angled	3
72-2261	Slit Knife, Bevel-Up, 2.2mm, Angled	6
72-2263	Clear Corneal Knife, 2.2mm, Angled	5
72-2431	Slit Knife, Double-Bevel, 2.4mm, Angled	6
72-2431G	Guarded Slit Knife, Double-Bevel, 2.4mm, Angled	6,14
72-2450	Clear Control 3D™ Slit Knife, 2.4mm, Angled	3
72-2461	Slit Knife, Bevel-Up, 2.4mm, Angled	6
72-2463	Clear Corneal Knife, 2.4mm, Angled	5
72-2531	Slit Knife, Double-Bevel, 2.5mm, Angled	6
72-2540	IQ Geometry™ Slit Knife, Bevel-Up, 2.5mm, Angled	4
72-2550	Clear Control 3D™ Slit Knife, 2.5mm, Angled	3
72-2561	Slit Knife, Bevel-Up, 2.5mm, Angled	6
72-2561G	Guarded Slit Knife, Bevel-Up, 2.5mm, Angled	6,14
72-2562	Slit Blade/Tip, Bevel-Up, 2.5mm, Angled	6
72-2631	Slit Knife, Double-Bevel, 2.65mm, Angled	6
72-2635	Clear Corneal Knife, Parallel Sides, 2.65mm, Angled	5

Ophthalmic Knives

Item No.	Description	Page
72-2640	IQ Geometry™ Slit Knife, Bevel-Up, 2.65mm, Angled	4
72-2650	Clear Control 3D™ Slit Knife, 2.65mm, Angled	3
72-2661	Slit Knife, Bevel-Up, 2.65mm, Angled	6
72-2661G	Guarded Slit Knife, Bevel-Up, 2.65mm, Angled	6,14
72-2662	Slit Blade/Tip, Bevel-Up, 2.65mm, Angled	6
72-2663	Clear Corneal Knife, 2.65mm, Angled	5
72-2735	Clear Corneal Knife, Parallel Sides, 2.75mm, Angled	5
72-2740	IQ Geometry™ Slit Knife, Bevel-Up, 2.75mm, Angled	4
72-2750	Clear Control 3D™ Slit Knife, 2.75mm, Angled	3
72-2761	Slit Knife, Bevel-Up, 2.75mm, Angled	6
72-2761G	Guarded Slit Knife, Bevel-Up, 2.75mm, Angled	6,14
72-2762	Slit Blade/Tip, Bevel-Up, 2.75mm, Angled	6
72-2763	Clear Corneal Knife, 2.75mm, Angled	5
72-2763G	Guarded Clear Corneal Knife, 2.75mm, Angled	5,14
72-2801	Slit Knife, Single-Bevel, 2.85mm, Straight	7
72-2831	Slit Knife, Double-Bevel, 2.8mm, Angled	6
72-2835	Clear Corneal Knife, Parallel Sides, 2.85mm, Angled	5
72-2840	IQ Geometry™ Slit Knife, Bevel Up, 2.85mm, Angled	4
72-2850	Clear Control 3D™ Slit Knife, 2.85mm, Angled	3
72-2861	Slit Knife, Bevel-Up, 2.85mm, Angled	6
72-2861G	Guarded Slit Knife, Bevel-Up, 2.85mm, Angled	6,14
72-2862	Slit Blade/Tip, Bevel-Up, 2.85mm, Angled	6
72-2863	Clear Corneal Knife, 2.85mm, Angled	5
72-2863G	Guarded Clear Corneal Knife, 2.85mm, Angled	5,14
72-2901	Slit Knife, Single-Bevel, 3.0mm, Straight	7
72-2912	Slit Knife, Parallel Sides, 3.0mm Angled	7
72-2913	Slit Blade/Tip, Parallel Sides, 3.0mm, Angled	7
72-2931	Slit Knife, Double-Bevel, 3.0mm, Angled	6
72-2961	Slit Knife, Bevel-Up, 3.0mm, Angled	6
72-2961G	Guarded Slit Knife, Bevel-Up, 3.0mm, Angled	6,14
72-2962	Slit Blade/Tip, Bevel-Up, 3.0mm, Angled	6
72-3001	Stab Knife, 30 Degree, Straight	1
72-3002	Stab Blade/Tip, 30 Degree, Straight	2
72-3035	Clear Corneal Knife, Parallel Sides, 3.0mm, Angled	5
72-3036	Stab Knife, 30 Degree, 3.5mm Restricted Blade Depth Knife	2
72-3040	IQ Geometry™ Slit Knife, Bevel-Up, 3.0mm, Angled	4
72-3050	Clear Control 3D™ Slit Knife, 3.0mm, Angled	3
72-3061	Clear Corneal Knife, 3.0mm, Angled	5
72-3201	Slit Knife, Single-Bevel, 3.2mm, Straight	7
72-3212	Slit Knife, Bevel-Up, 3.2mm, Angled	7
72-3231	Slit Knife, Double-Bevel, 3.2mm, Angled	6
72-3235	Clear Corneal Knife, Parallel Sides, 3.2mm, Angled	5
72-3240	IQ Geometry™ Slit Knife, Bevel-Up, 3.2mm, Angled	4
72-3250	Clear Control 3D™ Slit Knife, 3.2mm, Angled	3
72-3261	Slit Knife, Bevel-Up, 3.2mm, Angled	6
72-3261G	Guarded Slit Knife, Bevel-Up, 3.2mm, Angled	6,14
72-3262	Slit Blade/Tip, Bevel-Up, 3.2mm, Angled	6
72-3263	Clear Corneal Knife, 3.2mm, Angled	5
72-3270	Slit Knife, Double-Bevel, 3.2mm, 70 Degree, Angled	6
72-3503	Precision Depth Knife, 350 Micron, Straight	2
72-3531	Slit Knife, Double-Bevel, 3.5mm, Angled	6
72-3561	Slit Knife, Bevel-Up, 3.5mm, Angled	1

Ophthalmic Knives

Item No.	Description	Page
72-4501	Stab Knife, 45 Degree, Straight	1
72-4502	Stab Blade/Tip, 45 Degree, Straight 2	2
72-4561	Slit Knife, Bevel-Up, 4.5mm, Angled	6,45
72-4963	Clear Corneal Knife, 4.9mm, Angled	6,45
72-5163	Slit Knife, Bevel-Up, 5.1mm, Angled	6
72-5503	Precision Depth Knife, 550 Micron, Straight	2
72-6003	Precision Depth Knife, 600 Micron, Straight	2
74-1000	Sharptome™ Crescent Knife, 2.0mm, Straight	10
74-1010	Sharptome™ Crescent Knife, Bevel-Up, 2.0mm, Angled	10
74-1010G	Sharptome™ Guarded Crescent Knife	10,14
74-1020	Sharptome™ Crescent Knife, Bevel-Down, 2.0mm, Angled	10
74-1031	Sharptome™ Crescent Knife, Double-Bevel, 2.0mm, Angled	10
74-2261	Spoon Knife, 2.2mm, Double-Bevel, Angled	12
74-3061	Spoon Knife, 3.0mm, Double-Bevel, Angled	12
74-5000	Sharptome™ Crescent Blade/Tip, 2.0mm, Straight	10
74-5062	Sharptome™ Crescent Blade/Tip, Bevel-Up, 2.0mm, Angled	10
74-6910	Sharptome™ Mini-Crescent Knife, 1.25mm, Angled	10
75-1214	ClearTrap™ Knife 1.2mm - 1.4mm, Angled, Width Indicators	8
75-1517	ClearTrap™ Knife 1.5mm - 1.7mm, Angled, Width Indicators	8
75-1520	ClearTrap™ Knife 1.5mm - 2.0mm, Angled, Width Indicators	8
75-1618	ClearTrap™ Knife 1.6mm - 1.8mm, Angled, Width Indicators	8
75-1720	ClearTrap™ Knife 1.7mm - 2.0mm, Angled, Width Indicators	8
75-1822	ClearTrap™ Knife 1.8mm - 2.2mm, Angled, Width Indicators	8
75-2022	ClearTrap™ Knife 2.0mm - 2.2mm, Angled, Width Indicators	8
75-2522	ClearTrap™ Knife 2.5mm - 2.9mm, Angled, Width Indicators	8
75-2723	ClearTrap™ Knife 2.75mm - 3.0mm, Angled, Width Indicators	8
75-2724	ClearTrap™ Knife 2.75mm - 3.2mm, Angled, Width Indicators	8
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75-2726	ClearTrap™ Knife 2.75mm - 3.75mm, Angled, Width Indicators	8
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78-2010G	ClearPort™ Guarded Paracentesis Knife	1,14
78-2019	ClearPort™ Paracentesis Knife, 1.4mm, Angled, Width Indicators	1
78-2310	ClearPort™ Paracentesis Knife, 0.8mm, Angled	1
78-2510	ClearPort™ Paracentesis Knife, 0.6mm, Angled	1
78-5700	Scleral Blade/Tip, Straight	12
78-6600	Lamellar Blade/Tip, Angled, Bevel Up	12
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