

Explanation of a Typical Selection and Page

MULTIPASS™ Needles

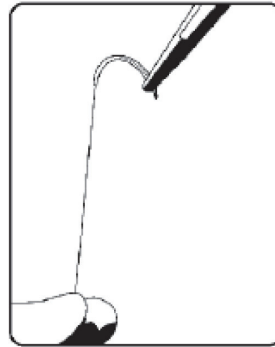
Elements of Needle Design

Needle design involves analyzing a surgical procedure and the density of the tissue involved in great detail. Ethicon engineers work continuously to improve upon their needle line.

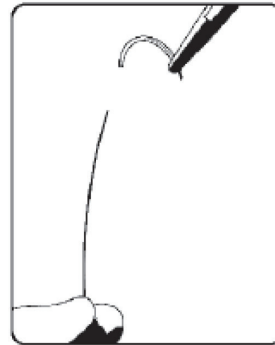
The anatomy of the ideal surgical needle includes three factors: Alloy, Geometry, and Coating.

The combination of coating and alloy make up the MULTIPASS Needle Technology, ensuring excellent strength, tissue penetration, and control.¹ MULTIPASS Needles are the highest performing needles that Ethicon offers.¹

CONTROL RELEASE Needle Sutures

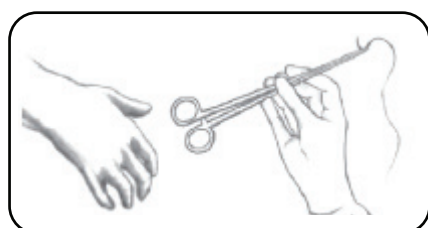
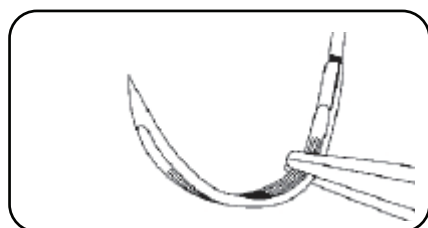
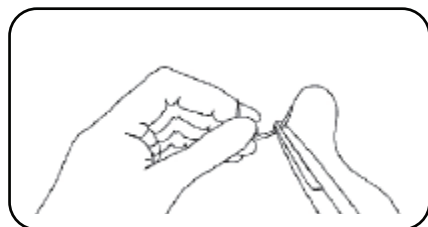


Needle is held securely in the holder. Suture is grasped securely just below needle, pulling strand taut.



Needle is released with a straight tug of the needleholder.

Selection and Use of Needleholders¹



- The needleholder must be an appropriate size instrument for the size needle selected
- It must be made from good quality steel with a secure jaw design
- Needles should be grasped in an area about one-third to one-half the distance from the swaged area to the point. Avoid placement on or near the swaged area
- The needle should be placed securely in the tip of the needleholder jaws
- Do not damage taper points or cutting edges when using the needleholder to pull the needle out through the tissue. Grasp as far back as possible
- When placing the needle in tissue, any force applied should be in the direction following the curve of the needle
- Do not take excessively large bites of tissue with small needles
- Do not force or twist the needle in an effort to bring the point out through the tissue. Withdraw the needle and replace tissue
- Do not force a dull needle through tissue; obtain a new one
- Avoid using the needle to bridge or approximate tissues for suturing
- If the needle is held too tightly in a sharp, hard-jawed, or defective needleholder, the needle may be damaged or notched in such a manner that it will have more of a tendency to bend or break on successive passes through tissue
- When the needle holder with needle is passed to the surgeon, the needle should be pointing in the right direction in which it will start to be used without need for readjustments
- In some patients, the tissues may be tougher or fibrosed more than normal and require the use of a heavier gauge needle
- In deep or confined areas, ideal positioning of the needle may not be possible. The surgeon should proceed with caution or use a heavier gauge needle

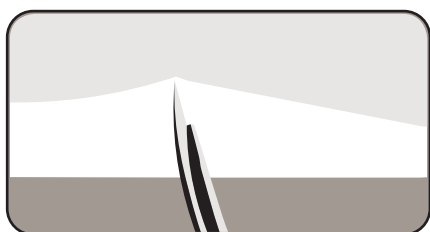
Note: The American College of Surgeons recommends universal adoption of blunt-tip suture needles for the closure of fascia and muscle in order to reduce needlestick injuries.²

An ATRALOC™ Surgical Needle is an instrument that complements the surgeon's skills. The variety of Ethicon needles offers the surgeon a choice of needles that are dependable for consistent quality for practically all surgical applications.

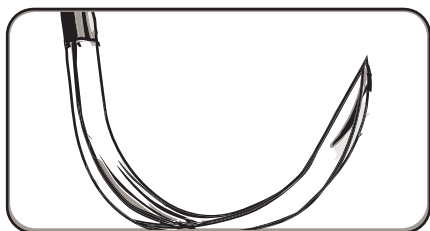
Steps to Create Performance



Conventional Needle



Super Smooth



Needle Swaging

Controlled Manufacturing

Ethicon makes its own needle/suture combinations. Each step, from raw material to finished needle, is carefully controlled.

Strong, Sharp Micrograin Stainless Steel and Tungsten-Rhenium Alloy

Ethicon makes its needles from premium grade stainless steel and tungsten-rhenium alloy formulated specifically for surgical use.

The Ethicon process controls the orientation of the micrograins so that ductility and strength are closely controlled — for strong needles that start sharp and stay sharp, thus assuring easy passage through tissue.

Super Smooth

Virtually all ATRALOC™ Surgical Needles have a micro-thin super-smooth finish that allows the needle to penetrate and pass through the toughest tissue with an almost fluid-like flow, with minimal resistance and drag, giving the surgeon a feeling of control.

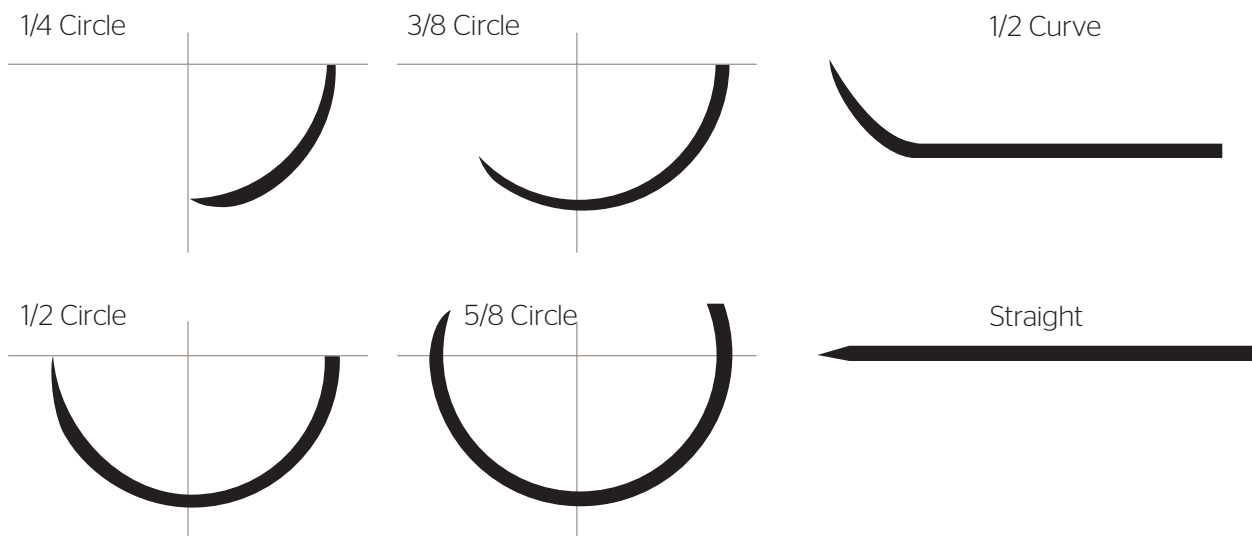
Needle Swaging

Needles are permanently attached to the suture materials, eliminating the need for threading and providing a new, sharp needle each time. ATRALOC Needle swaging gives the surgeon a needle with an unbroken surface from end to end; without double strands, it draws through tissue easier with less tissue trauma.

Ribbed for Security and Control

Longitudinal ribbing on the inside and outside curvatures of most needles has a cross-locking action in the needleholder, which minimizes turning, rocking, or twisting, and provides unsurpassed needle control.

Shapes



Types



Conventional Cutting Needle

Two opposing cutting edges, with a third on inside curve. Change in cross-section from a triangle cutting tip to a flattened body.



Conventional Spatula Needle

Visibility of the point at bottom provides control of depth penetration.



ETHIGUARD™ Blunt Point Needle

Taper body. For blunt dissection and suturing friable tissue.



MICRO-POINT™ Reverse Cutting Needle

Cutting edge on outer curve. Extremely smooth. Extremely sharp for ophthalmic surgery.



MICRO-POINT™ Surgical Needle (Spatula)

Thin, flat profile. Specially designed for ophthalmic anterior segment surgery.



Precision Cosmetic - Conventional Cutting PRIME™ Needle

For delicate plastic or cosmetic surgery. Conventional cutting tip and PRIME geometry for increased sharpness in the tip leading to a flattened body.



Precision Point - Reverse Cutting PRIME Needle

For plastic or cosmetic surgery, reverse cutting tip and PRIME geometry for increased sharpness in the tip.



Reverse Cutting Needle

Cutting edge on outer curve. For tough, difficult-to-penetrate tissues..



SABRELOC™ Spatula Needle

Side-cutting spatula shaped edges. For layers of scleral or corneal tissue. Spatulated needle point is centered for maximum needle stability in thin sclera. Four equidistant and properly defined edges provide greater control.



TAPERCUT™ Surgical Needle

Cutting tip, taper body. For tough tissue, like two needles in one.



Taperpoint Needle

For soft, easily penetrated tissues.



ULTIMA™ Ophthalmic Needle (Spatula)

Reduced edge-angles provide better penetration. Readily facilitates knot rotation in ophthalmic surgery.



VISI-BLACK™ Surgical Needle

Slim taper point needles with a black finish for improved visibility.

Trademarks

- ATRALOC™ Surgical Needle
- CONTROL RELEASE™ Needle or Needle Suture **CR**
- DERMABOND ADVANCED™ Topical Skin Adhesive
- DERMABOND™ Mini Topical Skin Adhesive
- DERMABOND™ PRINEO™ Skin Closure System
- ETHALLOY™ Needle Alloy
- ETHIBOND™ Extra Polyester Suture
- ETHIBOND EXCEL™ Polyester Suture
- ETHIGUARD™ Blunt Point Needle
- ETHILON™ Nylon Suture
- ETHI-PACK™ Pre-cut Sutures
- EVERPOINT™ Cardiovascular Needle **EVP**
- HEMO-SEAL™ Needle Suture **HS**
- LAPRA-TY™ Suture Clip
- LIGAPAK™ Dispensing Reel
- LIGAPAK™ Ligature
- MERSILENE™ Polyester Fiber Suture
- MERSILENE™ Polyester Fiber Strip
- MICRO-POINT™ Surgical Needle
- MONOCRYL™ (poliglecaprone 25) Suture
- MONOCRYL™ Plus Antibacterial (poliglecaprone 25) Suture
- MULTIPLASS™ Needles 
- NUROLON™ Nylon Suture
- P, PS PRIME™ Needles
- PC PRIME™ Needle
- PDS™ (polydioxanone) Suture
- PDS™ II (polydioxanone) Suture
- PDS™ Plus Antibacterial (polydioxanone) Suture
- PERMA-HAND™ Silk Suture
- PROLENE™ Polypropylene Suture
- PRONOVA™ Poly (Hexafluoropropylene – VDF) Suture
- RELAY Suture Delivery System
- RELAY Suture Package
- SABRELOC™ Spatula Needle
- STRATAFIX™ Knotless Tissue Control Devices
- STRATAFIX™ Spiral Knotless Tissue Control Device
- STRATAFIX™ Spiral PDS™ Plus Knotless Tissue Control Device
- STRATAFIX™ Spiral MONOCRYL™ Plus Knotless Tissue Control Device
- STRATAFIX™ Spiral Polypropylene Knotless Tissue Control Device
- STRATAFIX™ Symmetric PDS™ Plus Knotless Tissue Control Device
- SUTUPAK™ Pre-cut Sterile Sutures
- TAPERCUT™ Surgical Needle
- ULTIMA™ Ophthalmic Needles
- VICRYL™ (polyglactin 910) Knitted Mesh
- VICRYL™ (polyglactin 910) Woven Mesh
- VICRYL™ (polyglactin 910) Mesh Bag
- VICRYL™ (polyglactin 910) Perirenal Mesh Bag
- VICRYL™ (polyglactin 910) Perisplenic Mesh Bag
- VICRYL™ (polyglactin 910) Perihepatic Mesh Bag
- VICRYL™ (polyglactin 910) Perihepatic Right Lobe Mesh Bag
- VICRYL™ (polyglactin 910) Perihepatic Left Lobe Mesh Bag
- Coated VICRYL™ (polyglactin 910) Suture
- Coated VICRYL™ Plus Antibacterial (polyglactin 910) Suture **VB**
- VICRYL RAPIDE™ (polyglactin 910) Suture
- VISI-BLACK™ Surgical Needle

Needle Index

1/4 Circle

TAPERCUT™ Surgical Needle



Needles	Needle Length	Available Products
V75-3	3.5 mm	ETHILON
V100-3	3.5 mm	ETHILON
CIF-4	13 mm	PROLENE

SABRELOC™ Spatula Needle



Needles	Needle Length	Available Products
S-4	8 mm	GUT CHROMIC, MERSILENE
S-29	7.6 mm	COATED VICRYL
S-24	8 mm	MERSILENE
S-14	8 mm	COATED VICRYL, GUT CHROMIC, GUT PLAIN, ETHILON, MERSILENE, PERMA HAND SILK

1/4 Circle

ULTIMA™ Ophthalmic Needle



Needles	Needle Length	Available Products
CS90-6	7 mm	VICRYL
CTC-6L	13 mm	PROLENE
CTC-6	13 mm	PROLENE

3/8 Circle

Taperpoint



Needles	Needle Length	Available Products
TE	32 mm	TEMPORARY PACING WIRE
BB-1	22 mm	TEMPORARY PACING WIRE
BB	17 mm	STRATAFIX SPIRAL MONOCRYL PLUS, GUT CHROMIC, ETHIBOND, PROLENE, PRONOVA, PERMA HAND SILK, TEMPORARY PACING WIRE
C-1	13 mm	PDS PLUS, GUT CHROMIC, PDS II, ETHIBOND, PROLENE, PROLENE HS, PRONOVA, PERMA HAND SILK
BV	11 mm	PDS PLUS, PDS II, PROLENE, PRONOVA
BV-1	9.3 mm	PDS PLUS, PDS II, ETHIBOND, PROLENE, PROLENE HS, PRONOVA, PERMA HAND SILK
BV175-8	9.3 mm	PROLENE, PRONOVA
BV175-7	8 mm	PROLENE, PRONOVA

3/8 Circle

Taperpoint

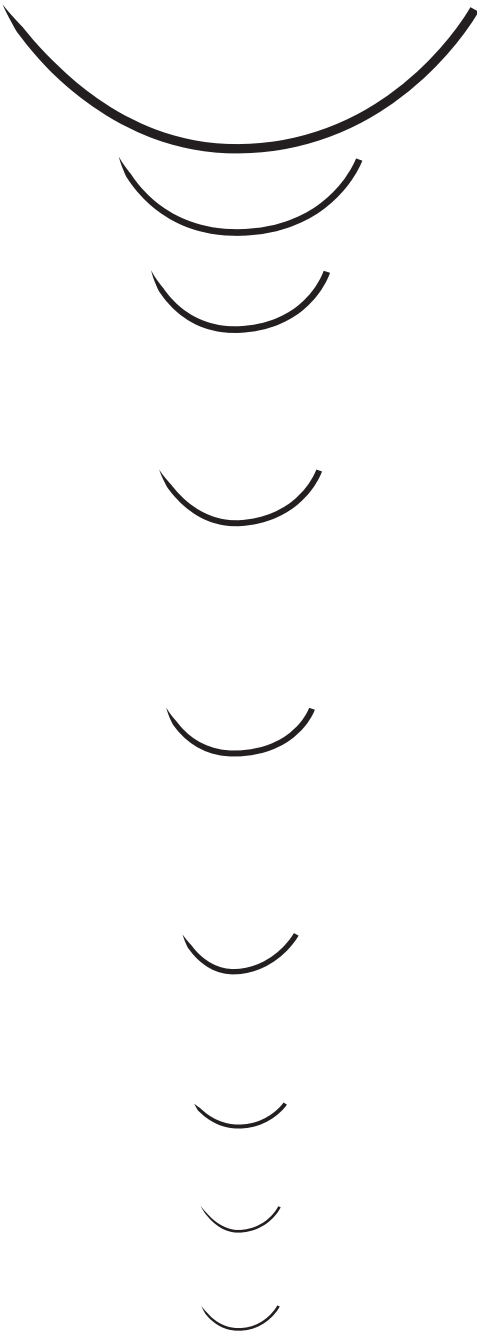
	Needles	Needle Length	Available Products
	BV175-6	8 mm	PROLENE, PRONOVA
	BV130-5	6.5 mm	COATED VICRYL, ETHILON, PROLENE, PRONOVA
	BV130-4	5 mm	COATED VICRYL, ETHILON
	BV130-3	3.8 mm	ETHILON
	BV100-4	5.1 mm	ETHILON, PROLENE
	BV100-3	3.8 mm	VICRYL
	BV75-4	5.1 mm	ETHILON
	BV75-3	3.8 mm	ETHILON, PROLENE
	BV50-3	3.8 mm	ETHILON

TAPERCUT™ Surgical Needle

	Needles	Needle Length	Available Products
	V-4	17 mm	ETHIBOND, PROLENE, PERMA HAND SILK
	CC-1	13 mm	ETHIBOND, PROLENE, PRONOVA, PERMA HAND SILK
	CC	9.3 mm	PROLENE
	V130-5	5.8 mm	COATED VICRYL
	V130-4	4.2 mm	COATED VICRYL
	V130-3	3.8 mm	ETHILON

3/8 Circle

Reverse Cutting



Needles	Needle Length	Available Products
LR	75 mm	ETHIBOND, ETHILON, MERSILENE, PROLENE, STEEL, PERMA HAND SILK
FSLX	36 mm	ETHILON, PROLENE, STEEL, PERMA HAND SILK
FSL	30 mm	COATED VICRYL PLUS, COATED VICRYL, ETHILON, NUROLON, PROLENE, PERMA HAND SILK
FS	26 mm	STRATAFIX SPIRAL PDS PLUS, COATED VICRYL PLUS, COATED VICRYL, ETHIBOND, ETHILON, MERSILENE, NUROLON, PROLENE, PERMA HAND SILK
FS-1	24 mm	COATED VICRYL PLUS, PDS PLUS, COATED VICRYL, GUT CHROMIC, GUT PLAIN, PDS II, ETHIBOND, ETHILON, MERSILENE, PROLENE, STEEL, PERMA HAND SILK
FS-2	19 mm	COATED VICRYL PLUS, PDS PLUS, COATED VICRYL, GUT CHROMIC, GUT PLAIN, PDS II, ETHIBOND, ETHILON, MERSILENE, PROLENE, STEEL, PERMA HAND SILK
M-2	13 mm	GUT CHROMIC
C-3	13 mm	COATED VICRYL, GUT CHROMIC, ETHILON, PERMA HAND SILK
C-2	13 mm	ETHILON, PERMA HAND SILK

3/8 Circle

Conventional Cutting



Needles	Needle Length	Available Products
PC-5	19 mm	COATED VICRYL PLUS, MONOCRYL PLUS, PDS PLUS, COATED VICRYL, MONOCRYL, PDS II, ETHILON, PROLENE, PERMA HAND SILK
PC-3	16 mm	COATED VICRYL PLUS, MONOCRYL PLUS, PDS PLUS, COATED VICRYL, VICRYL RAPIDE, MONOCRYL, PDS II, ETHILON, PROLENE, PERMA HAND SILK
PC-1	13 mm	COATED VICRYL PLUS, MONOCRYL PLUS, PDS PLUS, COATED VICRYL, VICRYL RAPIDE, GUT PLAIN, MONOCRYL, PDS II, ETHILON, NUROLON, PROLENE

Precision Point Reverse Cutting



Needles	Needle Length	Available Products
PSLX	36 mm	ETHILON, PERMA HAND SILK
PSL	30 mm	STRATAFIX SPIRAL MONOCRYL PLUS, COATED VICRYL PLUS, COATED VICRYL, ETHILON, PERMA HAND SILK
PS	26 mm	STRATAFIX SPIRAL MONOCRYL PLUS, STRATAFIX SPIRAL PDS PLUS, GUT CHROMIC, ETHILON, PERMA HAND SILK
PS-1	24 mm	STRATAFIX SPIRAL MONOCRYL PLUS, STRATAFIX SPIRAL PDS PLUS, STRATAFIX SYMMETRIC PDS PLUS, COATED VICRYL PLUS, MONOCRYL PLUS, PDS PLUS, COATED VICRYL, VICRYL RAPIDE, GUT PLAIN, MONOCRYL, PDS II, ETHILON, PROLENE, PERMA HAND SILK
PS-2	19 mm	STRATAFIX SPIRAL MONOCRYL PLUS, STRATAFIX, SPIRAL PDS PLUS, STRATAFIX SYMMETRIC PDS PLUS, COATED VICRYL PLUS, MONOCRYL PLUS, PDS PLUS, COATED VICRYL, VICRYL RAPIDE, GUT CHROMIC, GUT PLAIN, MONOCRYL, PDS II, ETHIBOND, ETHILON, PROLENE, PERMA HAND SILK

3/8 Circle

Precision Point Reverse Cutting



Needles	Needle Length	Available Products
PS-3	16 mm	COATED VICRYL PLUS, COATED VICRYL, GUT CHROMIC, GUT PLAIN, ETHIBOND, ETHILON, PROLENE, PERMA HAND SILK
P-3	13 mm	COATED VICRYL PLUS, MONOCRYL PLUS, PDS PLUS, COATED VICRYL, VICRYL RAPIDE, GUT CHROMIC, GUT PLAIN, MONOCRYL, PDS II, ETHIBOND, ETHILON, MERSILENE, PROLENE, PERMA HAND SILK
P-1	11 mm	COATED VICRYL PLUS, MONOCRYL PLUS, PDS PLUS, COATED VICRYL, VICRYL RAPIDE, GUT PLAIN, MONOCRYL, PDS II, ETHIBOND, ETHILON, PROLENE, PERMA HAND SILK
P-6	8 mm	ETHILON, PROLENE

ULTIMA™ Ophthalmic Needle



Needles	Needle Length	Available Products
CS140-8	6.5 mm	ETHILON
CS140-6	6.5 mm	VICRYL, ETHILON, MERSILENE, PROLENE

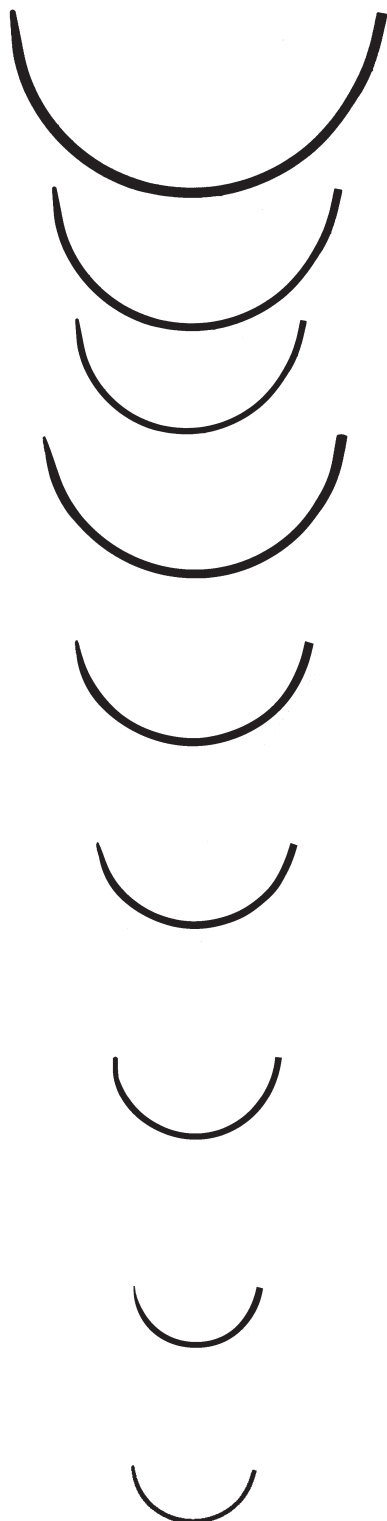
MICRO-POINT™ Surgical Needle (Spatula)



Needles	Needle Length	Available Products
TG140-8	6.5 mm	COATED VICRYL, VICRYL, GUT CHROMIC, GUT PLAIN, ETHILON, PROLENE, PERMA HAND SILK
TG140-6	6.5 mm	COATED VICRYL, ETHILON
TG100-8	6.5 mm	PROLENE
VAS100-4	5 mm	ETHILON

1/2 Circle

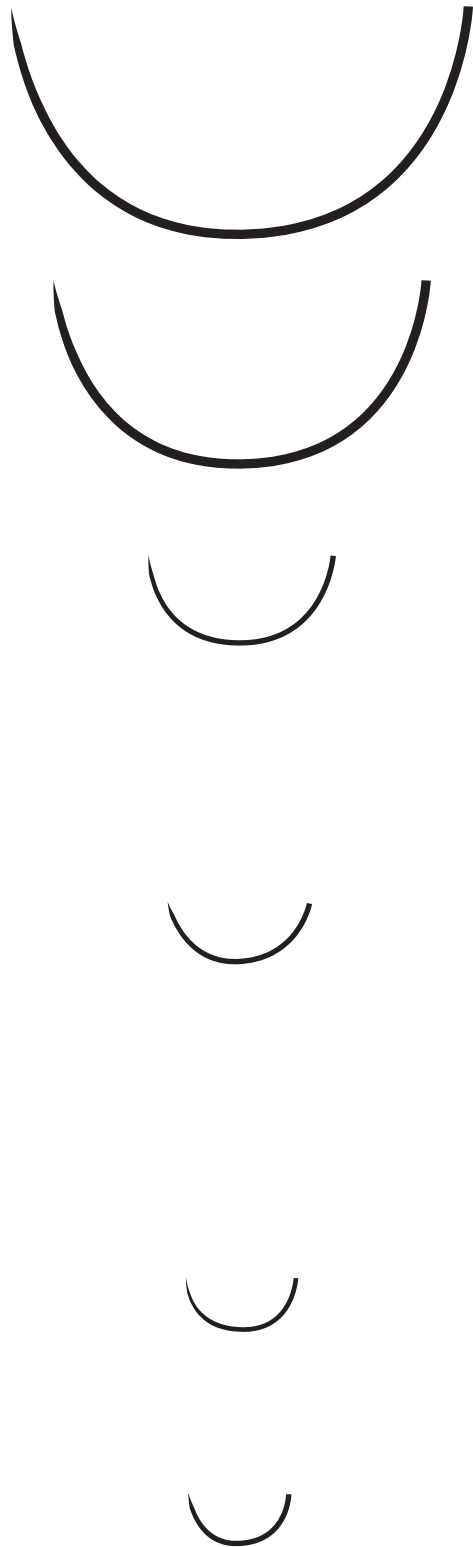
Blunt Point



Needles	Needle Length	Available Products
BP	80 mm	SURGICAL GUT SUTURE - CHROMIC MERSILENE SUTURE
BP-1	65 mm	MERSILENE SUTURE
BP-2	48 mm	SURGICAL GUT SUTURE - CHROMIC
TPB-1	65 mm	COATED VICRYL PLUS SUTURE PDS PLUS SUTURE
CTXB	48 mm	STRATAFIX SYMMETRIC PDS PLUS, COATED VICRYL PLUS, PDS PLUS, COATED VICRYL, MONOCRYL, PDS II, PROLENE
CTB	40 mm	COATED VICRYL PLUS, PDS PLUS
CTB-1	36 mm	STRATAFIX SYMMETRIC PDS PLUS, COATED VICRYL PLUS, MONOCRYL PLUS, PDS PLUS, COATED VICRYL, MONOCRYL, PDS II, PROLENE
CTB-2	26 mm	COATED VICRYL PLUS, PDS PLUS
SHB	26 mm	COATED VICRYL PLUS, MONOCRYL PLUS, PDS PLUS COATED VICRYL, MONOCRYL

1/2 Circle

Taperpoint



Needles	Needle Length	Available Products
XLH	70 mm	COATED VICRYL PLUS, PDS PLUS, COATED VICRYL, GUT CHROMIC, GUT PLAIN, PDS II, ETHIBOND, PROLENE
LH	40 mm	GUT CHROMIC
MH	36 mm	COATED VICRYL PLUS, COATED VICRYL, GUT CHROMIC, MONOCRYL, ETHIBOND, PROLENE, PRONOVA, PERMA HAND SILK
SH	26 mm	STRATAFIX SPIRAL MONOCRYL PLUS, STRATAFIX SPIRAL PDS PLUS, STRATAFIX SYMMETRIC PDS PLUS, COATED VICRYL PLUS, MONOCRYL PLUS, PDS PLUS, COATED VICRYL, VICRYL RAPIDE, GUT CHROMIC, GUT PLAIN, MONOCRYL, PDS II, ETHIBOND, MERSILENE, NUROLON, PROLENE, PROLENE HS, PRONOVA, PERMA HAND SILK, TEMPORARY PACING WIRE
SH-1	22 mm	STRATAFIX SPIRAL POLYPROPYLENE, COATED VICRYL PLUS, PDS PLUS, COATED VICRYL, GUT CHROMIC, MONOCRYL, PDS II, ETHIBOND, NUROLON, PROLENE, PRONOVA, PERMA HAND SILK
SH-2	20 mm	ETHIBOND, PROLENE HS

1/2 Circle

Taperpoint



Needles	Needle Length	Available Products
RB-1	17 mm	STRATAFIX SPIRAL MONOCRYL PLUS, STRATA- FIX SPIRAL, PDS PLUS, COATED VICRYL, PLUS, MONOCRYL PLUS, PDS PLUS, COATED VICRYL, VICRYL RAPIDE, GUT CHRO- MIC, GUT PLAIN, MONOCRYL, PDS II, ETHIBOND, NUROLON, PROLENE, PROLENE HS, PRO- NOVA, PERMA HAND SILK, TEMPORARY PACING WIRE
RB-2	13 mm	COATED VICRYL PLUS, PDS PLUS, PDS II, PROLENE, PRO- LENE HS, PROVONA, PERMA HAND SILK
UCL	13 mm	PDS PLUS, PDS II, ETHIBOND
TF	13 mm	COATED VICRYL PLUS, PDS PLUS, COATED VICRYL, MONOCRYL, PDS II, ETHIBO- ND, NUROLON, PROLENE, PERMA HAND SILK
RB-3	11 mm	PROLENE
BVH100-3	5 mm	ETHILON

1/2 Circle

TAPERCUT™ Surgical Needle



Needles	Needle Length	Available Products
V-56	60 mm	STEEL
V-40	48 mm	ETHIBOND, STEEL
V-37	40 mm	ETHIBOND, STEEL
V-34	36 mm	STRATAFIX SPIRAL PDS PLUS, COATED VICRYL PLUS, COATED VICRYL, VICRYL RAPIDE, GUT CHROMIC, GUT PLAIN, MONOCRYL, ETHIBOND, PROLENE
V-7	26 mm	STRATAFIX SPIRAL PDS PLUS, GUT PLAIN, ETHIBOND, PROLENE, PRONOVA, PERMA HAND SILK
V-5	17 mm	PDS PLUS, GUT CHROMIC, PDS II, ETHIBOND, PROLENE, PERMA HAND SILK

1/2 Circle

Reverse Cutting



Needles	Needle Length	Available Products
LS-1	45 mm	STEEL
CPX	48 mm	COATED VICRYL PLUS, PDS PLUS, COATED VICRYL, PDS II
CP	40 mm	COATED VICRYL PLUS, COATED VICRYL, GUT CHROMIC, PDS II, NUROLON
CP-1	36 mm	STRATAFIX SPIRAL MONOCRYL PLUS, COATED VICRYL PLUS, MONOCRYL PLUS, PDS PLUS, COATED VICRYL, GUT CHROMIC, GUT PLAIN, MONOCRYL, PDS II, STEEL, PERMA HAND SILK
CP-2	26 mm	STRATAFIX SPIRAL MONOCRYL PLUS, STRATAFIX SPIRAL PDS PLUS, COATED VICRYL PLUS, PDS PLUS, COATED VICRYL, GUT CHROMIC, PDS II, NUROLON
OS-8	40 mm	STRATAFIX SPIRAL PDS PLUS, COATED VICRYL PLUS, COATED VICRYL, ETHIBOND, NUROLON
OS-6	36 mm	STRATAFIX SPIRAL PDS PLUS, STRATAFIX SYMMETRIC PDS PLUS, COATED VICRYL PLUS, PDS PLUS, COATED VICRYL, PDS II, ETHIBOND
OS-4	22 mm	COATED VICRYL PLUS, PDS PLUS, COATED VICRYL, PDS II, ETHIBOND
OS-2	17 mm	ETHIBOND
X-1	22 mm	COATED VICRYL PLUS, COATED VICRYL, GUT PLAIN, ETHILON, NUROLON, PERMA HAND SILK

1/2 Circle

Reverse Cutting



Needles	Needle Length	Available Products
J-1	17 mm	COATED VICRYL, GUT CHROMIC, PERMA HAND SILK
M-1	13 mm	GUT CHROMIC, GUT PLAIN
PS-4C	16 mm	COATED VICRYL PLUS, COATED VICRYL, GUT CHROMIC
PS-4	16 mm	STRATAFIX SPIRAL MONOCRYL PLUS, COATED VICRYL PLUS, PDS PLUS, COATED VICRYL, GUT CHROMIC, GUT PLAIN, PDS II, ETHIBOND, ETHILON, PROLENE, PERMA HAND SILK
PS-5	13 mm	COATED VICRYL PLUS, COATED VICRYL, GUT CHROMIC, PROLENE
PS-6	10 mm	COATED VICRYL PLUS, COATED VICRYL, GUT CHROMIC, MONOCRYL
P-2	8 mm	COATED VICRYL PLUS, PDS PLUS, COATED VICRYL, GUT CHROMIC, GUT PLAIN, PDS II
G-2	8 mm	GUT CHROMIC
G-7	8 mm	PERMA HAND SILK

Conventional Cutting



Needles	Needle Length	Available Products
PC-12	16 mm	COATED VICRYL, MONOCRYL, ETHILON

SABRELOC™ Spatula Needle



Needles	Needle Length	Available Products
S-28	7.6 mm	COATED VICRYL
S-2	8 mm	GUT CHROMIC, MERSILENE
S-22	8 mm	ETHILON

1/2 Circle

ULTIMA™ Ophthalmic Needle



Needles	Needle Length	Available Products
CS175-8	7 mm	GUT CHROMIC, ETHILON
CS160-8	5.5 mm	VICRYL, ETHILON, PROLENE
CS175-6	7 mm	ETHILON
CS160-6	5.5 mm	VICRYL, ETHILON, MERSILENE, PROLENE
CSM-6	4.3 mm	ETHILON

MICRO-POINT™ Surgical Needle (Spatula)



Needles	Needle Length	Available Products
TG175-8	7 mm	ETHILON
TG160-8	5.5 mm	COATED VICRYL
TG160-6	5.5 mm	COATED VICRYL, ETHILON
TG160-4	5.3 mm	ETHILON, MERSILENE

5/8 Circle

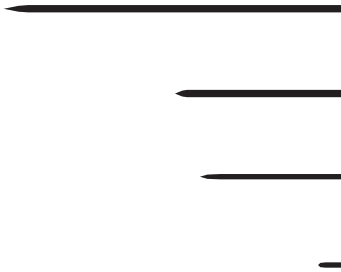
Taperpoint



Needles	Needle Length	Available Products
UR-4	40 mm	COATED VICRYL, GUT CHROMIC
UR-5	36 mm	COATED VICRYL PLUS, MONOCRYL PLUS, COATED VICRYL, GUT CHROMIC, MONOCRYL
UR-6	26 mm	STRATAFIX SPIRAL PDS PLUS, COATED VICRYL PLUS, MONOCRYL PLUS, COATED VICRYL, GUT CHROMIC, MONOCRYL
TF-5	8 mm	PERMA HAND SILK

Straight

Taperpoint



Needles	Needle Lengths	Available Products
ST-1	45 mm	PERMA HAND SILK
ST-3	22 mm	COATED VICRYL, ETHIBOND, PDS II
ST-4	19 mm	COATED VICRYL, ETHIBOND, PDS II

ST100-3 3 mm ETHILON

TAPERCUT™ Surgical Needle



Needles	Needle Lengths	Available Products
V-47	36 mm	PROLENE

Straight Cutting



Needles	Needle Lengths	Available Products
SKS-3	60 mm	TEMPORARY PACING WIRE
SKS	60 mm	TEMPORARY PACING WIRE
KS	60 mm	COATED VICRYL PLUS, MONOCRYL PLUS, PDS PLUS, COATED VICRYL, GUT CHROMIC, GUT PLAIN, MONOCRYL, PDS II, ETHIBOND, ETHILON, PROLENE, STEEL, PERMA HAND SILK
TS	48 mm	PROLENE
SC-1	13 mm	GUT PLAIN

SABRELOC™ Spatula Needle



Needles	Needle Lengths	Available Products
STC-6	16 mm	PROLENE

Trocar

Trocar

Needles	Needle Lengths	Available Products
STP-10	254 mm	PDS II, ETHIBOND

Compound Curve

ULTIMA™ Ophthalmic Needle



Needles	Needle Lengths	Available Products
CSC-6	5 mm	ETHILON, PROLENE

Bi-Curve

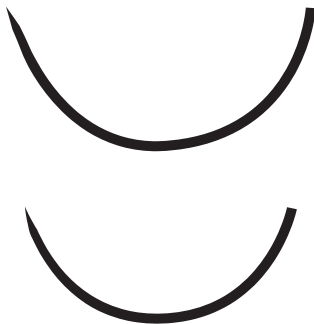
ULTIMA™ Ophthalmic Needle



Needles	Needle Lengths	Available Products
CSB-6	5 mm	VICRYL, ETHILON

Sternum

Conventional Cutting - Sternum



Needles	Needle Lengths	Available Products
CCS-1	60 mm	COATED VICRYL, PDS II, STEEL
CCS	48 mm	ETHIBOND, STEEL

Center Point Spatula

SABRELOC™ Spatula Needle



Needles	Needle Lengths	Available Products
RD-1	8 mm	COATED VICRYL, ETHILON, MERSILINE

Endoscopy

Taperpoint



Needles	Needle Lengths	Available Products
EN-S	19 mm	PDS
V-38	30 mm	PDS II