

Explanation of a Typical Selection And Page

ATRALOC Needle

The needle type and size/shape are shown only for needle/suture combinations. A repeated needle type (eg RB-1, RB-1) indicates a "double-armed" suture, that is, a suture with a needle attached to each end.

Needle Type/Needle Shape Symbol

Needle type and needle shape are shown in this subhead.

Material

Suture materials are designated by color and construction characteristics (eg Undyed Braided, Violet Braided, etc.)

Length

Suture length is shown in both inches and the approximate metric equivalent. Multi-strand means 3 or 8 strands per packet. These products are packaged 12, 24 or 36 packets per box.

The CR mark refers to control release needle sutures.

Product Name

Sutures and other ETHICON products are designated by trademarked and generic names.

Size

About ATRALOC Needles

ATRALOC Needles are supplied in a variety of sizes, shapes and chord lengths. Surgeons should

Suture size, denoting the diameter of the material, is in accordance with the United States Pharmacopeia (USP).

Needle Silhouette

Needle Silhouettes are shown in ACTUAL SIZE. The designated number above the needle, within the Needle Section, is the actual length measured in millimeters.

Code

Product codes ending in suffix G are packaged dozen packets to a box. Product codes ending in suffix H are packaged 3 dozen to a box. Product codes ending in suffix T are packaged 2 dozen packets to a box. In the few instances where no alphabetic suffix is in the product code, the number of packets per box is identified by a footnote. The number of strands per Multi-Strand packet appears on the left of suture length.

Needle Length

Needle length is the actual length measured in millimeters. Needle lengths can be found within the Needle Section and throughout the catalog to the right of the needle code. As a user you will find that many of these needle lengths have been rounded off. Recognize that the needles are not changing, but for consistency ETHICON has applied a rounding convention to all needle lengths. Due to timing differences, the box and label dimensions may not match the catalog exactly, but will be updated accordingly in the near future.

select the type of needle that, in their experience, is appropriate for the specific procedure and

tissue.

points or TAPERCUT* Surgical Needle tips.

Needle shapes are generally classified according to the degree of curvature of the body — 5/8, 1/2, 3/8, or 1/4

In general, the same size of needle may be made from finer gauge wire for use in soft or delicate tissues and from heavier gauge wire for use in tough or fibrosed tissues (the surgeon's choice).

circle and straight — with taper, cutting, blunt

The Major Characteristics of ATRALOC Needles are:

- They must be made from high quality stainless steel.
- They resist bending but are processed so that they will tend to bend before breaking.
- Taper points must be sharp and contoured for easy passage into tissues.
- Cutting points or edges must be sharp and free of burrs.
- On most ATRALOC Needles, a Super-Smooth finish is provided that permits the needle to penetrate and pass through with minimal resistance or drag.
- Ribbed needles — longitudinal ribs are provided on many ATRALOC Needles to increase the stability of the needle in the needleholder.
- The attachment of the needle to the suture material must be secure so that the needle will not separate from the suture material under normal use. An exception is the CONTROL RELEASE Needle suture principle, which facilitates fast separation of needle from suture when desirable.

MULTIPASS* Needles

Elements of Needle Design

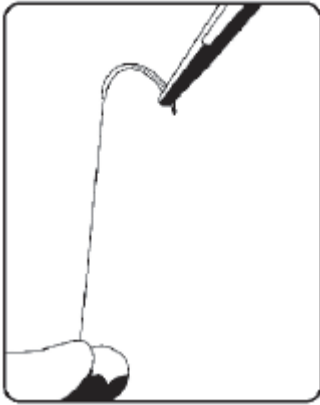
Needle design involves analyzing a surgical procedure and the density of the tissue involved in great detail. ETHICON engineers work continuously to improve upon their needle line.

The anatomy of the ideal surgical needle has three key factors that make up the ideal needle. - Alloy - Geometry - tip and body - Coating

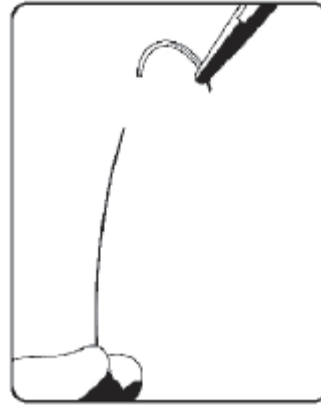
The combination of these attributes is ETHICON MULTIPASS Needle Technology.

MULTIPASS Needles are the highest performing needles that ETHICON Products offers; a combination [or a balance] of three proprietary technologies ensure excellent strength, tissue penetration and control; pass after pass.

CONTROL RELEASE Needle Sutures



- The needle is held securely in holder. Suture is grasped securely just below needle, pulling strand taut.



- The needle is released with a straight tug of the needleholder.

Selection and Use of Needleholders

- 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 1/3 to 1/2 of the distance from the swaged area to the point. Avoid placement on or near the swaged area.



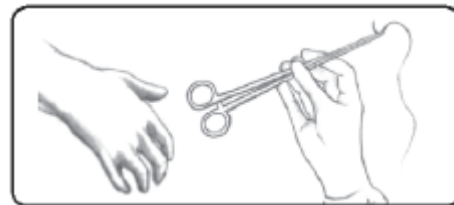
- The needle should be placed securely in the tip of the needleholder jaws.



- 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 or 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 confined area, ideal positioning of the needle may not be possible. The surgeon should proceed with caution or use a heavier gauge needle

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

Steps to Create Performance

Controlled Manufacturing

ETHICON makes its own needle/sutures combinations. Each step, from raw material to finished needle, is carefully controlled for uniformly superior performance.



Conventional needle



Super smooth

Strong, Sharp Micrograin Stainless Steel

ETHICON makes its needles from premium grade

stainless steel 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 Needles have a micro-thin Super-Smooth finish that permits the needle to penetrate and pass through the toughest tissue with an almost fluid-like flow, with minimal resistance and virtually no drag, giving the surgeon a feeling of control.

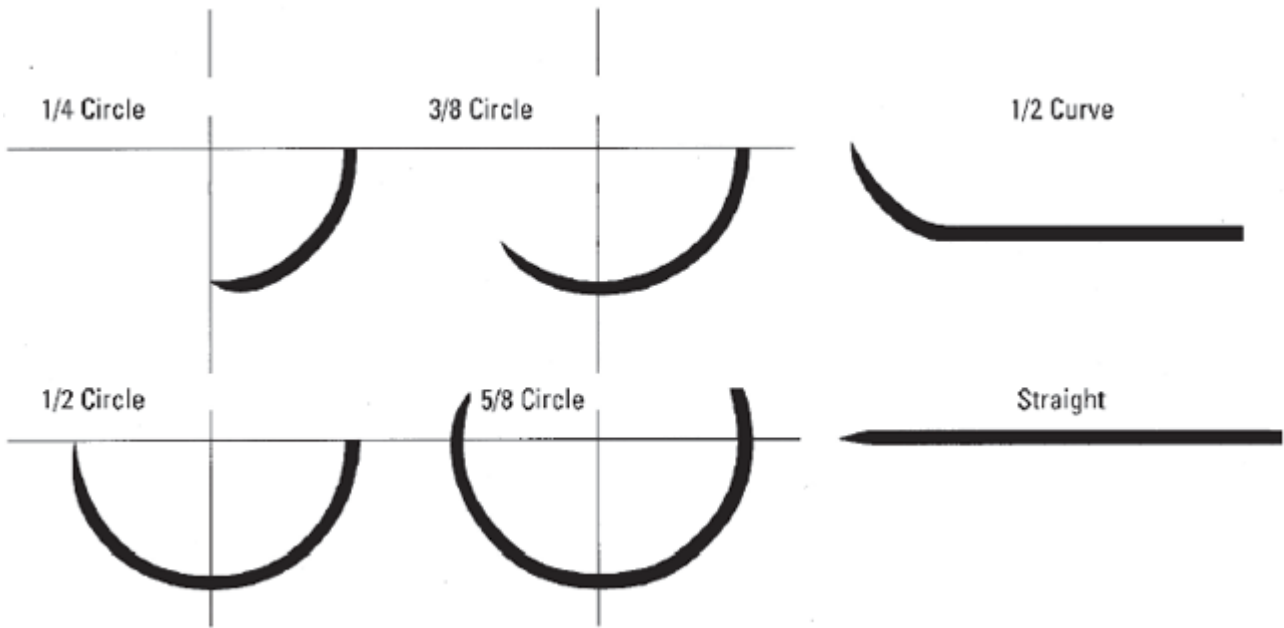
Needle Swaging

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 and 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, minimizing turning, rocking or twisting and thus providing unsurpassed needle control.

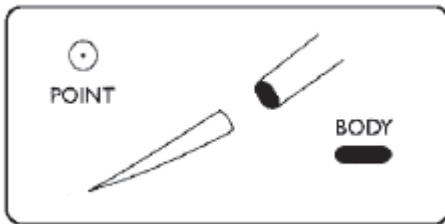
Shapes



Types

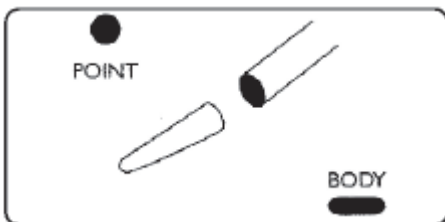
Taper Point Needle

For soft, easily penetrated tissues.



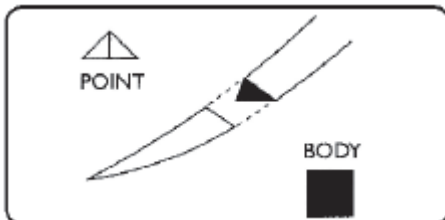
ETHIGUARD* Blunt Point Needle

Taper body. For blunt dissection and suturing friable tissue.



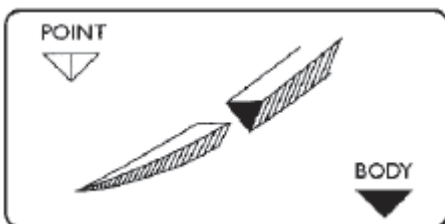
Conventional Cutting Needle

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



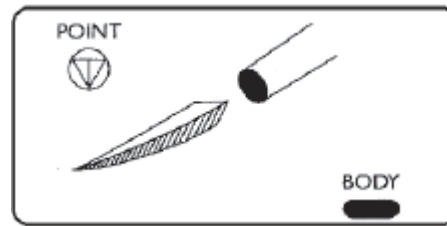
Reverse Cutting Needle

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



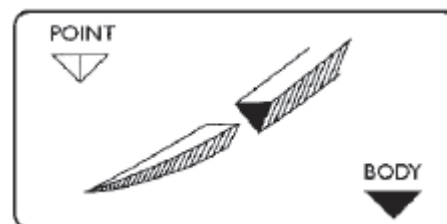
TAPERCUT* Needle

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



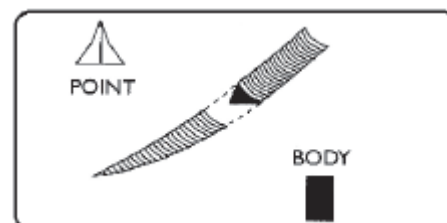
Precision Point Needle

For delicate plastic or cosmetic surgery. Cutting tip electropolished for added sharpness.



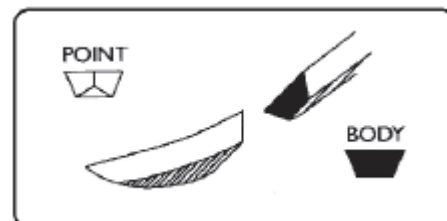
Precision Cosmetic-Conventional Cutting PRIME Needle

For delicate plastic or cosmetic surgery. Conventional cutting tip and PRIME geometry for increased sharpness.



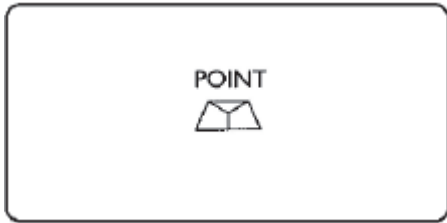
MICRO-POINT* Surgical Needle (Spatula)

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



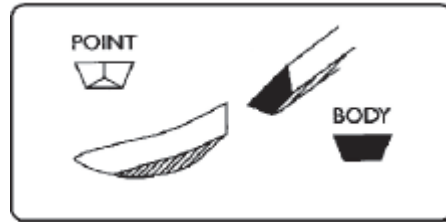
Conventional Spatula Needle

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



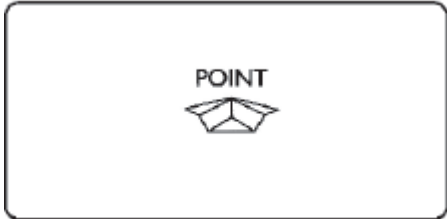
SABRELOC* Needle (Spatula)

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.



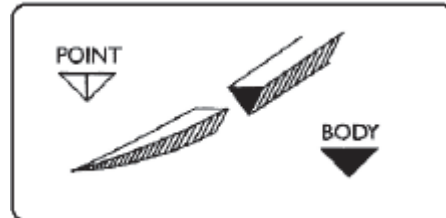
ULTIMA* Needle (Spatula)

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



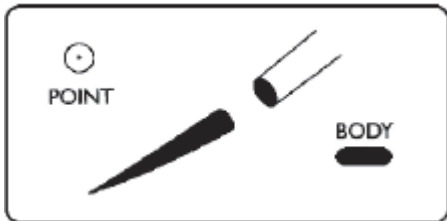
MICRO-POINT* Reverse Cutting Needle

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






VISI-BLACK* Surgical Needle

Slim Taper point needles with a black finish for improved visibility and penetration.








Trademarks

ATRALOC Surgical Needle
 CONTROL RELEASE Needle or Needle Suture 
 CS ULTIMA Ophthalmic Needles
 DERMABOND ProPen Topical Skin Adhesive
 DERMABOND ProPen XL
 DERMABOND Topical Skin Adhesive
 ETHALLOY Needle Alloy
 ETHIBOND Extra Polyester Suture
 ETHIBOND EXCEL Polyester Suture
 ETHIGUARD Blunt Point Needle
 ETHILON Nylon Suture
 ETHI-PACK Pre-cut Sutures
 HEMO-SEAL Needle Suture 
 J-VAC Closed Wound Drainage System
 J-VAC Bulb Suction Reservoir
 J-VAC Reservoir
 J-VAC Drainage Adapter
 J-VAC Silicone Drains
 LAPRA-TY Suture Clip
 LIGAPAK Dispensing Reel
 LIGAPAK Ligature
 MERSILENE Polyester Fiber Suture
 MERSILENE Polyester Fiber Mesh
 MERSILENE Polyester Fiber Strip
 MICRO-POINT Surgical Needle
 MONOCRYL (poliglecaprone 25) Suture
 MONOCRYL Plus Antibacterial (poliglecaprone 25) Suture
 MULTIPLASS Needle
 NUROLON Nylon Suture
 PC PRIME Needle
 PDS (polydioxanone) Suture
 PDS II (polydioxanone) Suture
 PDS Plus Antibacterial (polydioxanone) Suture
 PERMA-HAND Silk Suture
 PROCEED Surgical Mesh
 PROLENE Polypropylene Hernia System
 PROLENE Polypropylene Mesh
 PROLENE Polypropylene Suture
 PROLENE 3D Patch Polypropylene Mesh
 PROLENE Soft Polypropylene Mesh
 PRONOVA Poly (Hexafluoropropylene – VDF) Suture
 PROXI-STRIP Skin Closure
 PS PRIME Needle
 PVP™ Device
 RELAY Suture Delivery System
 RELAY Suture Package
 SABRELOC Spatula Needle
 SUTUPAK Pre-cut Sterile Sutures
 TAPERCUT Surgical Needle
 ULTRAPRO Partially Absorbable Lightweight Mesh
 ULTRAPRO Hernia System
 VICRYL (polyglactin 910) Knitted Mesh
 VICRYL (polyglactin 910) Woven Mesh
 VICRYL (polyglactin 910) Mesh Bags
 VICRYL (polyglactin 910) Perirenal Mesh Bag
 VICRYL (polyglactin 910) Perisplenic Mesh Bag
 VICRYL (polyglactin 910) Perihepatic Mesh Bags
 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
 VICRYL RAPIDE (polyglactin 910) Suture
 VISI-BLACK Surgical Needle 


Blunt Point


1/2 Circle

Needles/ Avalable Products	Needle image
BP 80mm Surgical Gut Suture - Chromic	
BP 80mm BP MERSILENE Suture	
BP-1 65mm PDS Plus Suture Surgical Gut Suture - Chromic	
BP-1 65mm BP-1 MERSILENE Suture	
TPB-1 65mm Coated VICRYL Plus Suture PDS Plus Suture	

Conventional Cutting - Sternum


1/2 Circle

Needles/ Avalable Products	Needle image
CCS 48mm ETHIBOND EXCEL Suture Surgical Stainless Steel Suture	

Needles/ Avalable Products	Needle image
CCS-1 60mm Coated VICRYL Suture PDS II Suture Surgical Stainless Steel Suture	


Endoscopic Needles



Straight Taper Point

Needles/ Avalable Products	Needle image
ST-4 19mm ST-4 PDS II Suture PDS Plus Suture	
ST100-3 ETHILON Suture	

ETHIGUARD - Safety needle


1/2 Circle

Needles/ Avalable Products	Needle image
CTB 40mm Coated VICRYL Plus Suture PDS Plus Suture	
CTB-1 36mm Coated VICRYL Plus Suture Coated VICRYL Suture MONOCRYL Plus Suture MONOCRYL Suture PDS II Suture PDS Plus Suture PROLENE Suture	


Needles/ Avialable Products	Needle image
CTB-2 36mm Coated VICRYL Plus Suture Coated VICRYL Suture PDS Plus Suture	
CTX-B 48mm Coated VICRYL Plus Suture Coated VICRYL Suture MONOCRYL Suture PDS II Suture PDS Plus Suture PROLENE Suture	
SHB 26mm Coated VICRYL Plus Suture Coated VICRYL Suture MONOCRYL Plus Suture MONOCRYL Suture PDS Plus Suture	











EVERPOINT Cardiovascular Needles

1/2 Circle

Needles/ Avialable Products	Needle image
RB-2 13mm RB-2 PROLENE Suture	






3/8 Circle

Needles/ Avialable Products	Needle image
BV 11mm BV PROLENE Suture	


Needles/ Avialable Products	Needle image
BV-1 9.3mm BV-1 PROLENE Suture	
BV130-5 6.5mm BV130-5 PROLENE Suture	 EVERPOINT™ Cardiovascular Needles
BV175-6 8.0mm BV175-6 PROLENE Suture	 EVERPOINT™ Cardiovascular Needles
BV175-7 8.0mm BV175-7 PROLENE Suture	
BV175-8 9.3mm BV175-8 PROLENE Suture	 EVERPOINT™ Cardiovascular Needles
C-1 13mm C-1 PROLENE Suture	 EVERPOINT™ Cardiovascular Needles
C1 13mm PROLENE Suture	 EVERPOINT™ Cardiovascular Needles
CC 9.3mm CC PROLENE Suture	
CC-1 13mm CC-1 PROLENE Suture	
CC175-8 9.3mm CC175-8 PROLENE Suture	 EVERPOINT™ Cardiovascular Needles

MICROPOINT - Spatula

1/2 Circle




Needles/ Avialable Products	Needle image
TG160-4 5.5mm TG160-4 ETHILON Suture MERSILENE Suture	
TG160-4-3M 4.3mm TG160-4-3M ETHILON Suture MERSILENE Suture	
TG160-6 5.5mm TG160-6 ETHILON Suture	
TG160-8 5.5mm TG160-8 Coated VICRYL Suture	
TG175-8 7.0mm TG175-8 ETHILON Suture	

1/4 Circle

Needles/ Avialable Products	Needle image
TG100-8 6.5mm TG100-8 Coated VICRYL Suture ETHILON Suture Surgical Gut Suture - Chromic	



3/8 Circle

Needles/ Avialable Products	Needle image


Needles/ Avalable Products	Needle image
TG140-6 6.5mm TG140-6 Coated VICRYL Suture ETHILON Suture	
TG140-8 6.5mm TG140-8 Coated VICRYL Suture ETHILON Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain	
VAS100-4 5.1mm ETHILON Suture	





MICROPOINT-Reverse Cutting

1/2 Circle

Needles/ Avalable Products	Needle image
G-2 8.0mm G-2 Surgical Gut Suture - Chromic	
G-7 8.0mm G-7 PERMA-HAND Suture	

3/8 Circle

Needles/ Avalable Products	Needle image
G-1 11mm PERMA-HAND Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain	

Needles/ Avalable Products	Needle image
G-1 11mm G-1 PERMA-HAND Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain	
G-3 13mm PERMA-HAND Suture	
G-3 13mm G-3 PERMA-HAND Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain	
G-6 8.0mm G-6 Coated VICRYL Suture PERMA-HAND Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain	




Precision Cosmetic - Conventional Cutting PRIME

1/2 Circle

Needles/ Avalable Products	Needle image
PC-12 16mm Coated VICRYL Suture ETHILON Suture MONOCRYL Suture	

3/8 Circle





Needles/ Avalable Products	Needle image

Needles/ Avalable Products	Needle image
<p>PC-1 13mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHILON Suture MONOCRYL Plus Suture MONOCRYL Suture NUROLON Suture PDS II Suture PDS Plus Suture PROLENE Suture Surgical Gut Suture - Plain VICRYL RAPIDE Suture</p>	
<p>PC-3 16mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHILON Suture MONOCRYL Plus Suture MONOCRYL Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture VICRYL RAPIDE Suture</p>	
<p>PC-5 19mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHILON Suture MONOCRYL Plus Suture MONOCRYL Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture</p>	

Precision Point - Reverse Cutting

1/2 Circle





Needles/ Avalable Products	Needle image
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Needles/ Avalable Products	Needle image
P-2 8.0mm Coated VICRYL Plus Suture Coated VICRYL Suture PDS II Suture PDS Plus Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain	
PS-4 16mm Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture ETHILON Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain	
PS-5 13mm Coated VICRYL Plus Suture Coated VICRYL Suture PROLENE Suture Surgical Gut Suture - Chromic	
PS-6 11mm Coated VICRYL Plus Suture Coated VICRYL Suture MONOCRYL Suture Surgical Gut Suture - Chromic	

1/2 Circle Compound Curve

Needles/ Avalable Products	Needle image
PS-4C 16mm Coated VICRYL Plus Suture Coated VICRYL Suture Surgical Gut Suture - Chromic	







3/8 Circle







Needles/ Avalable Products	Needle image
<p>P-1 11mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture ETHILON Suture MERSILENE Suture MONOCRYL Plus Suture MONOCRYL Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Plain VICRYL RAPIDE Suture</p>	
<p>P-3 13mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture ETHILON Suture MERSILENE Suture MONOCRYL Plus Suture MONOCRYL Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain VICRYL RAPIDE Suture</p>	
<p>P-6 8.0mm</p> <p>ETHILON Suture PROLENE Suture</p>	
<p>PS 26mm</p> <p>ETHILON Suture PERMA-HAND Suture Surgical Gut Suture - Chromic</p>	

Needles/ Avialable Products	Needle image
<p>PS-1 24mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHILON Suture MONOCRYL Plus Suture MONOCRYL Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Plain VICRYL RAPIDE Suture</p>	
<p>PS-2 19mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture ETHILON Suture MONOCRYL Plus Suture MONOCRYL Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain VICRYL RAPIDE Suture</p>	
<p>PS-3 16mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture ETHILON Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain</p>	
<p>PSL 30mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHILON Suture PERMA-HAND Suture Surgical Gut Suture - Chromic</p>	
<p>PSLX 40mm</p> <p>ETHILON Suture PERMA-HAND Suture</p>	


Reverse Cutting






1/2 Circle








Needles/ Avialable Products	Needle image
CP 40mm Coated VICRYL Plus Suture Coated VICRYL Suture NUROLON Suture PDS II Suture Surgical Gut Suture - Chromic	
CP-1 36mm Coated VICRYL Plus Suture Coated VICRYL Suture MONOCRYL Plus Suture MONOCRYL Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain Surgical Stainless Steel Suture	
CP-2 26mm Coated VICRYL Plus Suture Coated VICRYL Suture NUROLON Suture PDS II Suture PDS Plus Suture Surgical Gut Suture - Chromic	
CPX 48mm Coated VICRYL Plus Suture Coated VICRYL Suture PDS II Suture PDS Plus Suture	
J-1 17mm Coated VICRYL Suture PERMA-HAND Suture Surgical Gut Suture - Chromic	
M-1 13mm PERMA-HAND Suture Surgical Gut Suture - Plain	


Needles/ Avalable Products	Needle image
M-1 13mm M-1 Surgical Gut Suture - Chromic	
OS-2 17mm Coated VICRYL Suture ETHIBOND EXCEL Suture	
OS-4 22mm Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture PDS II Suture PDS Plus Suture	
OS-6 36mm Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture PDS II Suture PDS Plus Suture	
OS-8 40mm Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture NUROLON Suture	
X-1 22mm Coated VICRYL Plus Suture Coated VICRYL Suture ETHILON Suture NUROLON Suture PERMA-HAND Suture Surgical Gut Suture - Plain	

3/8 Circle

Needles/ Avalable Products	Needle image
C-2 13mm ETHILON Suture	


Needles/ Avalable Products	Needle image
<p>C-2 13mm C-2 PERMA-HAND Suture</p>	
<p>C-3 13mm Coated VICRYL Suture ETHILON Suture PERMA-HAND Suture</p>	
<p>C-3 13mm C-3 PERMA-HAND Suture Surgical Gut Suture - Chromic</p>	
<p>FS 26mm Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture ETHILON Suture MERSILENE Suture NUROLON Suture PERMA-HAND Suture PROLENE Suture</p>	
<p>FS-1 24mm Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture ETHILON Suture MERSILENE Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain Surgical Stainless Steel Suture</p>	

Needles/ Avalable Products	Needle image
<p>FS-2 19mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture ETHILON Suture MERSILENE Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain Surgical Stainless Steel Suture</p>	
<p>FSL 30mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHILON Suture NUROLON Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Stainless Steel Suture</p>	
<p>FSLX 40mm</p> <p>ETHILON Suture PERMA-HAND Suture PROLENE Suture Surgical Stainless Steel Suture</p>	
<p>LR 75mm</p> <p>ETHIBOND EXCEL Suture ETHILON Suture PROLENE Suture</p>	
<p>LR 75mm LR</p> <p>ETHIBOND EXCEL Suture ETHILON Suture MERSILENE Suture PERMA-HAND Suture Surgical Stainless Steel Suture</p>	
<p>LS-1 45mm</p> <p>Surgical Stainless Steel Suture</p>	
<p>M-2 13mm</p> <p>Surgical Gut Suture - Chromic</p>	

Needles/ Avialable Products	Needle image
M-2 13mm M-2 Surgical Gut Suture - Chromic	


SABRELOC - Center Point Spatula

1/4 Circle


Needles/ Avialable Products	Needle image
RD-1 8.0mm RD-1 Coated VICRYL Suture ETHILON Suture MERSILENE Suture	


SABRELOC - Conventional Spatula

1/2 Circle

Needles/ Avialable Products	Needle image
S-28 8.0mm S-28 Coated VICRYL Suture	



1/4 Circle

Needles/ Avialable Products	Needle image
S-29 8.0mm S-29 Coated VICRYL Suture	



Needles/ Avalable Products	Needle image
S-4 8.0mm S-4 MERSILENE Suture Surgical Gut Suture - Chromic	

SABRELOC - Spatula


1/2 Circle

Needles/ Avalable Products	Needle image
S-2 8.0mm S-2 MERSILENE Suture Surgical Gut Suture - Chromic	
S-22 8.0mm S-22 ETHILON Suture	

1/4 Circle


Needles/ Avalable Products	Needle image
S-14 8.0mm S-14 Coated VICRYL Suture MERSILENE Suture PERMA-HAND Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain	
S-24 8.0mm S-24 Coated VICRYL Suture ETHILON Suture MERSILENE Suture	

1/8 Circle

Needles/ Avialable Products	Needle image
SM-1 5.5mm SM-1 PROLENE Suture	


SABRELOC - Straight Transchamber





Straight Straight

Needles/ Avialable Products	Needle image
STC-6 16mm STC-6 16mm PROLENE Suture	

Straight Cutting Needles


Straight

Needles/ Avialable Products	Needle image
KS 60mm Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture ETHILON Suture MONOCRYL Plus Suture MONOCRYL Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain Surgical Stainless Steel Suture	


Needles/ Avalable Products	Needle image
SC-1 13mm Surgical Gut Suture - Plain	
SC-1 13mm SC-1 Surgical Gut Suture - Plain	
TS 48mm PERMA-HAND Suture	
TS 48mm TS PROLENE Suture	

Straight Taper Point

Straight

Needles/ Avalable Products	Needle image
ST-1 45mm PERMA-HAND Suture	

Straight Straight

Needles/ Avalable Products	Needle image
ST-1 45mm SH 26mm Surgical Gut Suture - Chromic	




Straight TAPERCUT




Straight








Needles/ Avalable Products	Needle image
V-47 40mm V-47 PROLENE Suture	







Taper Point






1/2 Circle








Needles/ Avalable Products	Needle image
BVH100-3 4.8mm ETHILON Suture	
CT 40mm Coated VICRYL Plus Suture Coated VICRYL Suture ETHILON Suture MONOCRYL Plus Suture MONOCRYL Suture PDS II Suture PDS Plus Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain VICRYL RAPIDE Suture	
CT 40mm CT Surgical Gut Suture - Chromic	

<p>Needles/ Avialable Products</p>	<p>Needle image</p>
<p>CT-1 36mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture MERSILENE Suture MONOCRYL Plus Suture MONOCRYL Suture NUROLON Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain Surgical Stainless Steel Suture VICRYL RAPIDE Suture</p>	
<p>CT-2 26mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture MONOCRYL Plus Suture MONOCRYL Suture NUROLON Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic</p>	
<p>CT-3 22mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture PERMA-HAND Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain</p>	









Needles/ Avialable Products	Needle image
<p>CTX 48mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture ETHILON Suture MONOCRYL Suture NUROLON Suture PDS II Suture PDS Plus Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain Surgical Stainless Steel Suture VICRYL RAPIDE Suture</p>	
<p>CTX 48mm CTX</p> <p>MERSILENE Suture</p>	
<p>MH 36mm</p> <p>PERMA-HAND Suture</p>	
<p>MH 36mm MH</p> <p>ETHIBOND EXCEL Suture PROLENE Suture PRONOVA Suture</p>	
<p>MO-2 40mm</p> <p>Surgical Gut Suture - Chromic</p>	
<p>MO-4 36mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture MERSILENE Suture MONOCRYL Suture Surgical Gut Suture - Chromic</p>	
<p>MO-5 31mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture MONOCRYL Suture Surgical Gut Suture - Chromic</p>	











Needles/ Avialable Products	Needle image
<p>MO-6 26mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture NUROLON Suture PERMA-HAND Suture PROLENE Suture</p>	
<p>MO-7 22mm</p> <p>ETHIBOND EXCEL Suture NUROLON Suture PERMA-HAND Suture PROLENE Suture</p>	
<p>RB-1 17mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture MONOCRYL Plus Suture MONOCRYL Suture NUROLON Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain VICRYL RAPIDE Suture</p>	
<p>RB-1 17mm RB-1</p> <p>ETHIBOND EXCEL Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture PRONOVA Suture</p>	
<p>RB-2 13mm RB-2</p> <p>PDS II Suture PDS Plus Suture PROLENE Suture PRONOVA Suture</p>	
<p>RB-3 11mm RB-3</p> <p>PROLENE Suture</p>	


Needles/ Avialable Products	Needle image
<p>SH 26mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture MERSILENE Suture MONOCRYL Plus Suture MONOCRYL Suture NUROLON Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain VICRYL RAPIDE Suture</p>	
<p>SH 26mm SH</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture MONOCRYL Suture PERMA-HAND Suture PROLENE Suture PRONOVA Suture Surgical Gut Suture - Chromic</p>	
<p>SH-1 22mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture MONOCRYL Suture NUROLON Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture Surgical Gut Suture - Chromic</p>	
<p>SH-1 22mm SH-1</p> <p>ETHIBOND EXCEL Suture PROLENE Suture PRONOVA Suture</p>	
<p>SH-2 20mm SH-2</p> <p>ETHIBOND EXCEL Suture</p>	

Needles/ Avialable Products	Needle image
<p>TF 13mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture MONOCRYL Suture NUROLON Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture</p>	
<p>TF 13mm TF</p> <p>ETHIBOND EXCEL Suture PROLENE Suture PRONOVA Suture</p>	
<p>TF-4 8.0mm</p> <p>PERMA-HAND Suture</p>	
<p>TP-1 65mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture ETHILON Suture PDS II Suture PDS Plus Suture PROLENE Suture Surgical Gut Suture - Chromic</p>	
<p>UCL 14mm</p> <p>ETHIBOND EXCEL Suture PDS II Suture PDS Plus Suture</p>	
<p>XLH 70mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture PDS II Suture PDS Plus Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain</p>	
<p>XLH 70mm XLH</p> <p>ETHIBOND EXCEL Suture PROLENE Suture</p>	




3/8 Circle

Needles/ Avialable Products	Needle image
BB 17mm ETHIBOND EXCEL Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic	
BB 17mm BB ETHIBOND EXCEL Suture PERMA-HAND Suture PROLENE Suture PRONOVA Suture	
BV 11mm BV PDS II Suture PDS Plus Suture PROLENE Suture PRONOVA Suture	
BV-1 9.3mm PERMA-HAND Suture	
BV-1 9.3mm BV-1 ETHIBOND EXCEL Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture PRONOVA Suture	
BV100-3 3.9mm Coated VICRYL Suture ETHILON Suture PROLENE Suture	
BV100-4 5.1mm ETHILON Suture PROLENE Suture	
BV130-3 3.8mm ETHILON Suture	

Needles/ Avalable Products	Needle image
BV130-4 5.0mm Coated VICRYL Suture ETHILON Suture	
BV130-5 6.5mm Coated VICRYL Suture ETHILON Suture PROLENE Suture	
BV130-5 6.5mm BV130-5 ETHILON Suture PROLENE Suture PRONOVA Suture	
BV175-6 8.0mm BV175-6 PROLENE Suture PRONOVA Suture	
BV175-7 8.0mm BV175-7 PROLENE Suture PRONOVA Suture	
BV175-8 9.3mm BV175-8 PROLENE Suture PRONOVA Suture	
BV50-3 4.1mm ETHILON Suture	
BV75-3 3.8mm ETHILON Suture PROLENE Suture	
BV75-4 5.1mm ETHILON Suture	
C-1 13mm ETHIBOND EXCEL Suture PERMA-HAND Suture PROLENE Suture Surgical Gut Suture - Chromic	

Needles/ Avalable Products	Needle image
<p>C-1 13mm C-1</p> <p>ETHIBOND EXCEL Suture PDS II Suture PDS Plus Suture PERMA-HAND Suture PROLENE Suture PRONOVA Suture</p>	



5/8 Circle

Needles/ Avalable Products	Needle image
<p>UR-4 40mm</p> <p>Coated VICRYL Suture Surgical Gut Suture - Chromic</p>	
<p>UR-5 36mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture MONOCRYL Plus Suture MONOCRYL Suture Surgical Gut Suture - Chromic</p>	
<p>UR-6 26mm</p> <p>Coated VICRYL Plus Suture Coated VICRYL Suture MONOCRYL Plus Suture MONOCRYL Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain</p>	

Taper Point - Reverse Cutting

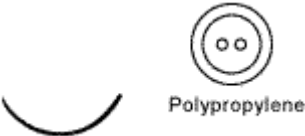
1/2 Circle 1/2 Circle

Needles/ Avalable Products	Needle image

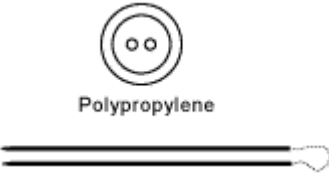
Needles/ Avalable Products	Needle image
CT 40mm FSL 30mm Coated VICRYL Plus Suture Coated VICRYL Suture Surgical Gut Suture - Chromic	
CT-1 36mm CP-1 36mm Coated VICRYL Plus Suture Coated VICRYL Suture MONOCRYL Suture Surgical Gut Suture - Chromic VICRYL RAPIDE Suture	

TAPERCUT - Straight Cutting

3/8 Circle








Needles/ Avalable Products	Needle image
V-26 26mm Surgical Stainless Steel Suture	

TS Straight





Needles/ Avalable Products	Needle image
TS_TS 48mm Surgical Stainless Steel Suture	

TAPERCUT




1/2 Circle



Needles/ Avialable Products	Needle image
V-34 36mm Coated VICRYL Plus Suture Coated VICRYL Suture ETHIBOND EXCEL Suture MONOCRYL Suture PROLENE Suture Surgical Gut Suture - Chromic Surgical Gut Suture - Plain VICRYL RAPIDE Suture	
V-37 40mm ETHIBOND EXCEL Suture Surgical Stainless Steel Suture	
V-40 48mm ETHIBOND EXCEL Suture Surgical Stainless Steel Suture	
V-5 17mm ETHIBOND EXCEL Suture PERMA-HAND Suture Surgical Gut Suture - Chromic	
V-5 17mm V-5 ETHIBOND EXCEL Suture PDS II Suture PDS Plus Suture PROLENE Suture	
V-56 60mm Surgical Stainless Steel Suture	
V-7 26mm ETHIBOND EXCEL Suture PERMA-HAND Suture Surgical Gut Suture - Plain	
V-7 26mm V-7 ETHIBOND EXCEL Suture PROLENE Suture PRONOVA Suture	

1/4 Circle

Needles/ Avalable Products	Needle image
CIF-4 13mm CIF-4 PROLENE Suture	
V100-3 3.5mm ETHILON Suture	
V130-3 3.8mm ETHILON Suture	
V130-4 4.2mm Coated VICRYL Suture	
V130-5 6.5mm Coated VICRYL Suture	
V75-3 3.5mm ETHILON Suture	



3/8 Circle

Needles/ Avalable Products	Needle image
CC 9.3mm CC PROLENE Suture PRONOVA Suture	
CC-1 13mm PERMA-HAND Suture	
CC-1 13mm CC-1 ETHIBOND EXCEL Suture PROLENE Suture PRONOVA Suture	




Needles/ Avalable Products	Needle image
V-4 17mm ETHIBOND EXCEL Suture PERMA-HAND Suture	
V-4 17mm V-4 ETHIBOND EXCEL Suture PROLENE Suture	

Temporary Pacing Wire

1/2 Circle Straight Cutting

Needles/ Avalable Products	Needle image
RB-1 17mm SKS 60mm Surgical Stainless Steel Suture	
SH 26mm SKS-3 90mm Surgical Stainless Steel Suture	

3/8 Circle 3/8 Circle

Needles/ Avalable Products	Needle image
BB 17mm SKS 60mm Surgical Stainless Steel Suture	
BB-1 22mm SKS-3 90mm Surgical Stainless Steel Suture	
TE 31mm SKS-3 90mm Surgical Stainless Steel Suture	






Trocar Point

Straight


Needles/ Avialable Products	Needle image
STP-10 254mm STP-10 ETHIBOND EXCEL Suture PDS II Suture	

ULTIMA - Spatula



1/2 Circle

Needles/ Avialable Products	Needle image
CS160-6 5.5mm ETHILON Suture	
CS160-6 5.5mm CS160-6 Coated VICRYL Suture ETHILON Suture MERSILENE Suture PROLENE Suture	
CS160-8 5.5mm CS160-8 Coated VICRYL Suture ETHILON Suture PROLENE Suture	
CS175-6 7.0mm CS175-6 ETHILON Suture	
CS175-8 7.0mm CS175-8 ETHILON Suture Surgical Gut Suture - Chromic	


1/2 Circle 1/2 Circle

Needles/ Avialable Products	Needle image
CS160-6 5.5mm CTC-6 13mm PROLENE Suture	


1/4 Circle



Needles/ Avialable Products	Needle image
CS90-6 7.0mm Coated VICRYL Suture	
CTC-6L 13mm CTC-6L PROLENE Suture	

1/8 Circle



Needles/ Avialable Products	Needle image
CS44-6 5.5mm ETHILON Suture	

3/8 Circle

Needles/ Avialable Products	Needle image
CS140-6 6.5mm Coated VICRYL Suture ETHILON Suture	

Needles/ Avalable Products	Needle image
CS140-6 6.5mm CS140-6 ETHILON Suture MERSILENE Suture PROLENE Suture	
CS140-8 6.5mm CS140-8 ETHILON Suture	

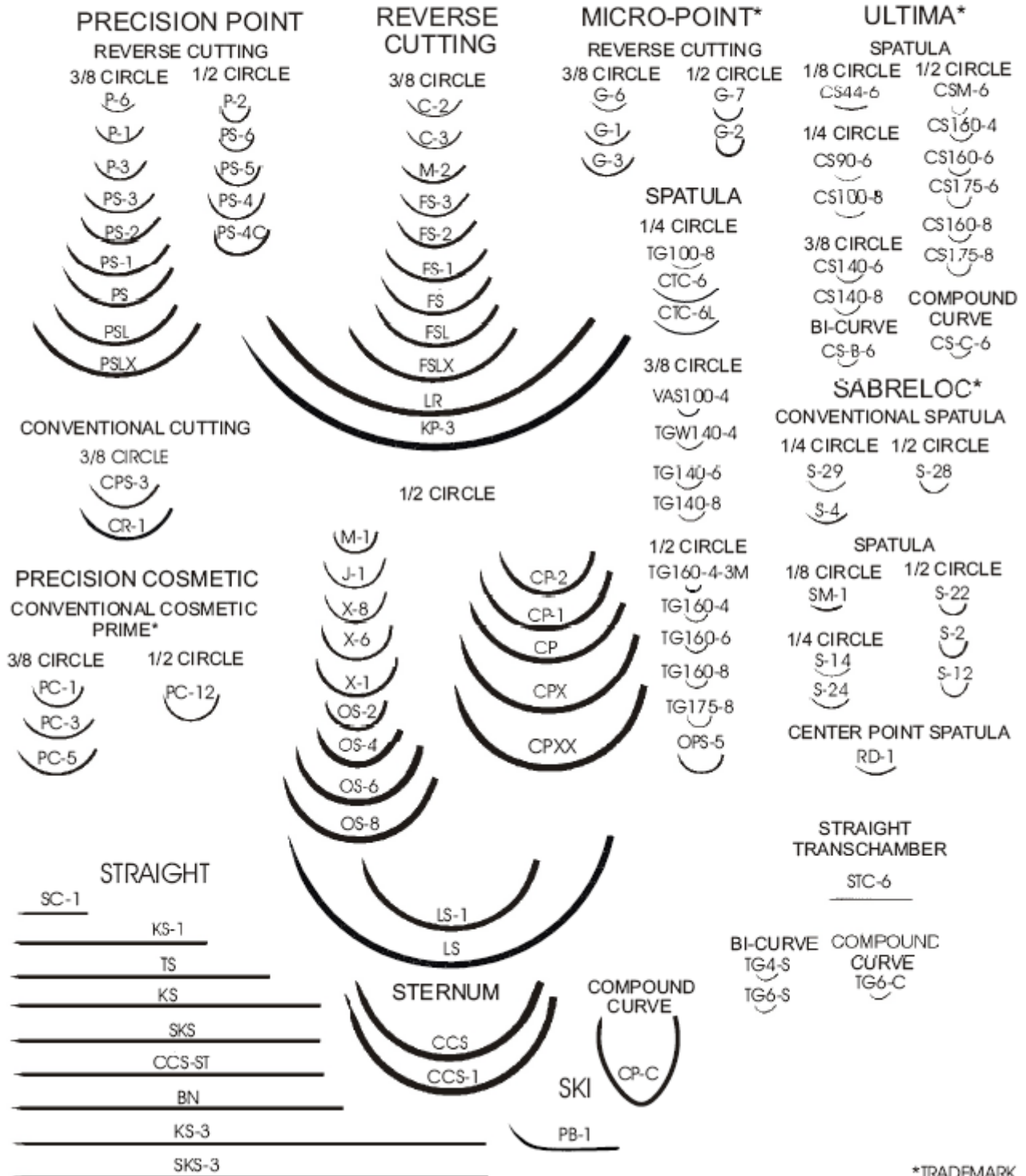
Bi-Curve

Needles/ Avalable Products	Needle image
CSB-6 5.0mm Coated VICRYL Suture	
CSB-6 5.0mm CSB-6 MERSILENE Suture	



ETHICON NEEDLE SALES TYPES

CUTTING EDGE



*TRADEMARK

ETHICON NEEDLE SALES TYPES

TAPER POINT

TAPERCUT*

TROCAR

STP-10

1/4 CIRCLE
BV30-2

5/8 CIRCLE
TF-5

1/2 CIRCLE
BVH100-3

3/8 CIRCLE
V130-3

1/4 CIRCLE
V75-3

1/2 CIRCLE
V-5

3/8 CIRCLE
BV50-3

MF-1

TF-6

V130-4

V100-3

V-6

BV75-3

MF

TF-4

V130-5

RV-2

V-7

BV75-4

UR-6

TF-1

CC

CIF-4

V-34

BV100-3

UR-5

RB-4

CC-1

V-37

BV100-4

UR-5

RB-3

V-18

V-30

BV130-3

UR-4

TF

V-4

V-40

BV130-4

UCL

V-3

V-56

BV130-5

RB-2

V-26

BV175-5

UCLX

STRAIGHT

V-47

BV175-6

RB-1

BV175-7

SH-2

BV175-8

RS

BV-1

SH-1

BV

SH

C-1

MH-1

BB

MH

BB-1

LH

TE-2

XLH

TE

XLH-1

TE-1

XXLH

BLUNT POINT

1/2 CIRCLE

BP-2

BP-1

BP

ETHIGUARD*

SHB

CTB-2

CTB-1

CTB

CTXB

TPB-1

SKI

SIF-2

STRAIGHT

ST100-3

ST-4

ST-3

ST-1

ST

ENDOSCOPY

TAPERPOINT

EN-S

EN-1

EN-2

TN

TQ

TAPERCUT*

EN-5

DT-6

EN-3

EN-4

V-38

*TRADEMARK

MW v.4