







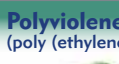



## A Guide To Surgical Sutures

### Absorbable

Material	Material Description	BSR Profile	Mass Absorption
 <p>• Surgical Gut Suture - Plain/Chromic • Plain Gut/Chromic Gut</p>	<b>Twisted</b> <ul style="list-style-type: none"> <li>• Plain &amp; Chromic</li> <li>• Packaged Dry or in Wetting Solution</li> </ul> <b>Common uses:</b> General Closure, OB/Gyn, Urology, Bowel Anastomosis	<b>In vivo strength retention:</b> Varies	Varies depending upon type of suture (plain vs. chromic) and site of placement
 <p>• VICRYL RAPIDE™ * Velosorb™ Fast</p>	<b>Braided</b> <ul style="list-style-type: none"> <li>• Undyed (clear) • Coated</li> </ul> <b>Common uses:</b> General Closure, OB/Gyn, Urology	<b>In vivo strength retention:</b> 48% at 7 days 0% at 14 days	Essentially complete between 49 and 63 days
 <p>• MONOCRYL™ * Caprosyn™/Biosyn™</p>	<b>Monofilament</b> <ul style="list-style-type: none"> <li>• Undyed (clear) • Dyed (violet)</li> </ul> <b>Common uses:</b> Skin Closure, OB/Gyn, Urology, Gastrointestinal	<b>In vivo strength retention:</b> 42% to 76% at 7 days 36% to 52% at 14 days	Essentially complete by 90 days
 <p>• VICRYL™ * Polysorb™</p>	<b>Braided</b> <ul style="list-style-type: none"> <li>• Undyed (clear) • Dyed (violet)</li> </ul> <b>Monofilament</b> <ul style="list-style-type: none"> <li>• Undyed (clear) • Dyed (violet) • Coated &amp; Uncoated</li> </ul> <b>Common uses:</b> Skin Closure, OB/Gyn, Urology, Gastrointestinal	<b>In vivo strength retention:</b> 50% at 14 days 20% at 21 days	Essentially complete between 50 and 90 days
 <p>• PDS™II * Maxon™</p>	<b>Monofilament</b> <ul style="list-style-type: none"> <li>• Dyed (violet)</li> </ul> <b>Common uses:</b> Plastic Surgery, Orthopaedic, OB/Gyn, Gastrointestinal	<b>In vivo strength retention:</b> 80% to 90% at 14 days 60% to 82% at 28 days 47% to 79% at 42 days	Essentially complete between 180 and 220 days

### Non-Absorbable

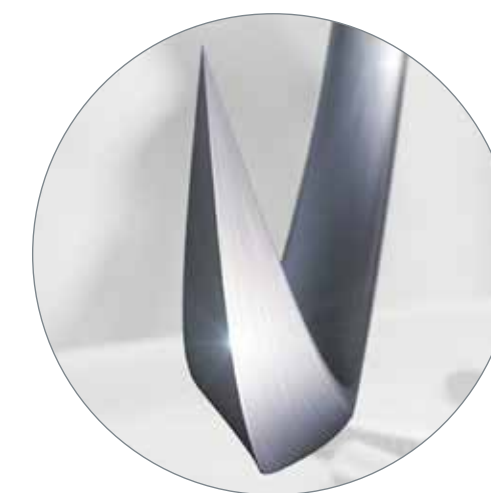
Material	Material Description	Qualities
 <p>• PERMA-HAND™ Silk * Sofsilk™</p>	<b>Braided</b> <ul style="list-style-type: none"> <li>• Undyed (white) • Dyed (black) • Coated</li> </ul> <b>Common uses:</b> General & Skin Closure, Gastrointestinal, Cardiovascular Surgery, Plastic Surgery, Ophthalmology	<ul style="list-style-type: none"> <li>• Excellent handling and tying characteristics</li> </ul>
 <p>• ETHILON™ * Monosof™/Dermalon™</p>	<b>Monofilament</b> <ul style="list-style-type: none"> <li>• Undyed (clear) • Dyed (blue) (black)</li> <li>• Packaged dry or in wetting solution</li> </ul> <b>Common uses:</b> General & Skin Closure, Plastic Surgery, Ophthalmology, Microsurgery, Cardiovascular Surgery, Gastrointestinal	<ul style="list-style-type: none"> <li>• Passes easily through tissue</li> </ul>
 <p>• PROLENE™ * Surgipro™/Surgipro™II</p>	<b>Monofilament</b> <ul style="list-style-type: none"> <li>• Undyed (clear) • Dyed (blue)</li> </ul> <b>Common uses:</b> General & Skin Closure, Neurosurgery, Plastic Surgery, Ophthalmology, Microsurgery, Cardiovascular Surgery	<ul style="list-style-type: none"> <li>• Inert</li> <li>• Easy to handle</li> <li>• Passes easily through tissue</li> </ul>
 <p>• MERSILENE™ * Surgidac™</p>	<b>Braided</b> <ul style="list-style-type: none"> <li>• Undyed (white) • Dyed (green)</li> <li>• Uncoated</li> </ul> <b>Common uses:</b> General & Skin Closure, Plastic Surgery, Ophthalmology, Cardiovascular Surgery, Neurological Procedures	<ul style="list-style-type: none"> <li>• Smooth</li> <li>• Easy to handle</li> <li>• Good knot security</li> </ul>
 <p>• ETHIBOND EXCEL™ * Ti-Cron™</p>	<b>Braided</b> <ul style="list-style-type: none"> <li>• Undyed (white) • Dyed (green)</li> <li>• Coated</li> </ul> <b>Common uses:</b> General & Skin Closure, Plastic Surgery, Ophthalmology, Cardiovascular Surgery, Neurological Procedures	<ul style="list-style-type: none"> <li>• Smooth</li> <li>• Easy to handle</li> <li>• Good knot security</li> </ul>

• Comparable Ethicon™ Material \* Comparable Syneture™ Material



EXPERIENCE EXCEPTIONAL PERFORMANCE

# FROM FIRST TO FINAL STITCH



### Needle Cross-Reference Guide

SharpPoint™ PLUS Surgical Suture

- Exceptional Needle Performance
- Thoughtfully Crafted Needle Tip
- Unique Needle Body Construction

Visit [SurgicalSpecialties.com](http://SurgicalSpecialties.com) And Click "Find A Product" For SKUs And Cross-Reference Information.

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## Reverse Cutting Needles

Triangular point with cutting edge on the outer curvature  
Commonly used for skin closure and suturing of ligamentous or fibrous tissue in general, orthopedic, and ob/gyn surgeries

Sharpoint™ PLUS		Ethicon™	Syneture™
<b>3/8 Circle</b>			
11mm	C-2	C-1	
12mm	C-2	C-1	
14mm	C-3	C-12	
16mm	FS-3	C-12	
18mm	FS-2	C-13	
24mm	FS-1	C-14	
26mm	FS	C-15	
30mm	FSL	C-16	
36mm	•	•	
40mm	FSLX	C-17	
90mm	•	•	
<b>1/2 Circle</b>			
15mm	M-1	C-21	
16mm	J-1	•	
18mm	J-1	•	
20mm	OS-4	C-22	
24mm	X-1	C-23	
26mm	CP-2	GS-10	
37mm	CP-1	GS-11	
40mm	CP	GS-12	

## Center Point Spatula Needles

Two (2) cutting edges in a horizontal plane tapering to a round body  
Commonly used for muscle and retina repair in ophthalmic surgery, and in delicate plastic surgery

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

## Precision Reverse Cutting Needles

Triangular point with cutting edge on the outer curvature and precision-honed for added sharpness  
Commonly used in plastic and cosmetic surgery for delicate procedures and where a good cosmetic result is desired

Sharpoint™ PLUS		Ethicon™	Syneture™
<b>3/8 Circle</b>			
7mm	P-6	P-16	
11mm	P-1	P-10	
13mm	P-3	P-13	
16mm	PS-3	P-11	
18mm	PS-2	P-12	
19mm	PS-2	P-12	
24mm	PS-1	P-14	
<b>1/2 Circle</b>			
8mm	P-2	P-21	

## Precision Conventional Cutting Needles

Triangular point with cutting edge on the inner curvature and precision-honed for added sharpness  
Commonly used for general skin closure and in subcutaneous tissue in ophthalmic, plastic, reconstructive, and cardiovascular surgery

Sharpoint™ PLUS		Ethicon™	Syneture™
<b>3/8 Circle</b>			
11mm	PC-1	P-13	
13mm	PC-1	P-13	
16mm	PC-3	PC-11	
19mm	PC-5	P-12	

## VAS Cutting Needles

Triangular faceted point tapering to a round body  
Commonly used in urology and microsurgery

Sharpoint™ PLUS		Ethicon™	Syneture™
<b>1/4 Circle</b>			
4mm	•	•	
<b>1/2 Circle</b>			
6mm	•	•	

## Conventional Cutting Needles

Triangular point with cutting edge on the inner curvature  
Commonly used for general skin closure and in subcutaneous tissue in ophthalmic, plastic, reconstructive, and cardiovascular surgery

Sharpoint™ PLUS		Ethicon™	Syneture™
<b>3/8 Circle</b>			
80mm	•	GCC-90	

## Taper Point Needles

Round shaft with a tapered point, no cutting edge  
Commonly used in soft tissue closure such as fascia, vascular, gastrointestinal, and soft tissue closure below the skin and in general and cardiovascular surgeries

Sharpoint™ PLUS		Ethicon™	Syneture™
<b>1/4 Circle</b>			
5mm	•	•	
<b>3/8 Circle</b>			
4mm	BV75-3	MV70-3	
5mm	BV100-4	MV100-4	
6mm	BV130-5	MV135-5	
12mm	C-1	CV-1	
20mm	SH-1	EV-25	
<b>1/2 Circle</b>			
13mm	RB-2	CV-22	
18mm	RB-1	CV-23	
22mm	SH-1	CV-25	
26mm	SH	V-20	
26.5mm	CT-2	GS-22/ EGS-22	
30mm	•	V-30	
36mm	MH	V-26	
36.6mm	CT-1	GS-21	
40mm	CT	GS-24	

## Taper Cutting Needles

Four (4) cutting edges on the tip that taper to a rounded shaft  
For penetration through tough tissue in vascular surgery

Sharpoint™ PLUS		Ethicon™	Syneture™
<b>3/8 Circle</b>			
4mm	•	MVK-70-3	
5mm	•	MVK-100-4	
6mm	•	•	
14mm	CC-1	KV-11/ KVF-11	
<b>1/2 Circle</b>			
16mm	V-5	KV-5	
31mm	•	V-30	
36mm	V-34	KV-34	
38mm	V-34	KV-34	

## Straight Cutting Needles

Reverse cutting tip on a straight shaft  
Commonly used in general surgery and for skin closure

Sharpoint™ PLUS		Ethicon™	Syneture™
<b>Straight Cutting</b>			
60mm	KS	SC-2	

## Ultraglide™ Needles

Six (6) faceted sides and two (2) cutting edges on the tip  
Commonly used for cornea and sclera closure in ophthalmic surgery

Sharpoint™ PLUS		Ethicon™	Syneture™
<b>Bi-Curve</b>			
4.88mm	CSB-6	•	
<b>1/4 Circle</b>			
7mm	CS90-6	•	
<b>3/8 Circle</b>			
6.15mm	CS140-6	SE-140-6	
6.60mm	CS140-6	SE-140-6	
<b>1/2 Circle</b>			
5.51mm	CS160-6	SE-160-6	
6.99mm	CS175-6	•	

## M.E.T.™ Point Needles

Triangular faceted point tapering to a round body  
Commonly used in microsurgery

Sharpoint™ PLUS		Ethicon™	Syneture™
<b>Bi-Curve</b>			
5mm	•	•	
<b>1/4 Circle</b>			
4mm	•	•	
5mm	•	•	
6mm	•	•	
<b>3/8 Circle</b>			
4mm	•	MVK-70-3	
5mm	V100-3	MVK-100-4	
6mm	V130-3	•	
<b>1/2 Circle</b>			
4mm	•	•	

## Side Cutting Lancet Needles

Spatula needle with the cutting edge on the inner or outer curvature  
Commonly used in ophthalmic and microsurgery

Sharpoint™ PLUS		Ethicon™	Syneture™
<b>Bi-Curve</b>			
5.51mm	TG6-C	•	
<b>1/8 Circle</b>			
5.51mm	•	•	
14.99mm	•	•	
<b>1/4 Circle</b>			
6.6mm	TG100-8	SE100-8	
8mm	S-29/ S-24	SS-24/ SS-29	
8.51mm	S-14	SS-14	
<b>3/8 Circle</b>			
6.15mm	TG140-6	SE-140-6	
6.6mm	TG140-8	SE-140-8	
<b>1/2 Circle</b>			
5.51mm	TG160-6	SE-160-6	
5.54mm	TG160-8	SE-160-8	
7mm	TG175-8	SE-175-8	

## Materials Chart

Sharpoint™ PLUS	Ethicon™	Syneture™	Material
Plain Gut	Surgical Gut	Plain Gut	Natural Absorbable Gut
Chromic Gut	Surgical Gut	Chromic Gut	Natural Absorbable Gut
PolySyn FA™	Vicryl Rapide™	Velosorb™ Fast	Synthetic Absorbable, Braided, Coated Polyglycolic Acid
Monoderm™	Monocryl™	Caprosyn™/Biosyn™	Synthetic Absorbable, Monofilament Glycolide and E-Caprolactone
PolySyn™	Vicryl™	Polysorb™/Dexon™	Synthetic Absorbable, Braided, Coated Polyglycolic Acid
PDO	PDSII™	Maxon™	Synthetic Absorbable, Monofilament Polydioxanone
Silk	Permahand Silk™	Sof silk™	Non-Absorbable, Braided, Coated Silk
Nylon	Ethilon™	Monosof™/Dermalon™	Non-Absorbable, Monofilament Nylon
Polypropylene	Prolene™	Surgipro™/Surgilene™	Non-Absorbable, Monofilament Polypropylene
Polyviolene™ (Coated)	Ethibond™ (Coated)	Ti-Cron™ (Coated)	Non-Absorbable, Braided, Coated Polyester
Polyviolene™ (Uncoated)	Mersilene™ (Uncoated)	Surgidac™ (Uncoated)	Non-Absorbable, Braided, Uncoated Polyester