

# ETHICON

PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

## PRODUCT CATALOG

Sutures  
Hernia Solutions  
Biosurgicals



# Our Credo

We believe our first responsibility is to the doctors, nurses and patients, to mothers and fathers and all others who use our products and services.

In meeting their needs everything we do must be of high quality.

We must constantly strive to reduce our costs  
in order to maintain reasonable prices.

Customers' orders must be serviced promptly and accurately.

Our suppliers and distributors must have an opportunity  
to make a fair profit.

We are responsible to our employees,  
the men and women who work with us throughout the world.

Everyone must be considered as an individual.

We must respect their dignity and recognize their merit.

They must have a sense of security in their jobs.

Compensation must be fair and adequate,  
and working conditions clean, orderly and safe.

We must be mindful of ways to help our employees fulfill  
their family responsibilities.

Employees must feel free to make suggestions and complaints.  
There must be equal opportunity for employment, development

and advancement for those qualified.

We must provide competent management,  
and their actions must be just and ethical.

We are responsible to the communities in which we live and work  
and to the world community as well.

We must be good citizens — support good works and charities  
and bear our fair share of taxes.

We must encourage civic improvements and better health and education.

We must maintain in good order  
the property we are privileged to use,  
protecting the environment and natural resources.

Our final responsibility is to our stockholders.

Business must make a sound profit.

We must experiment with new ideas.

Research must be carried on, innovative programs developed  
and mistakes paid for.

New equipment must be purchased, new facilities provided  
and new products launched.

Reserves must be created to provide for adverse times.

When we operate according to these principles,  
the stockholders should realize a fair return.

*Johnson & Johnson*

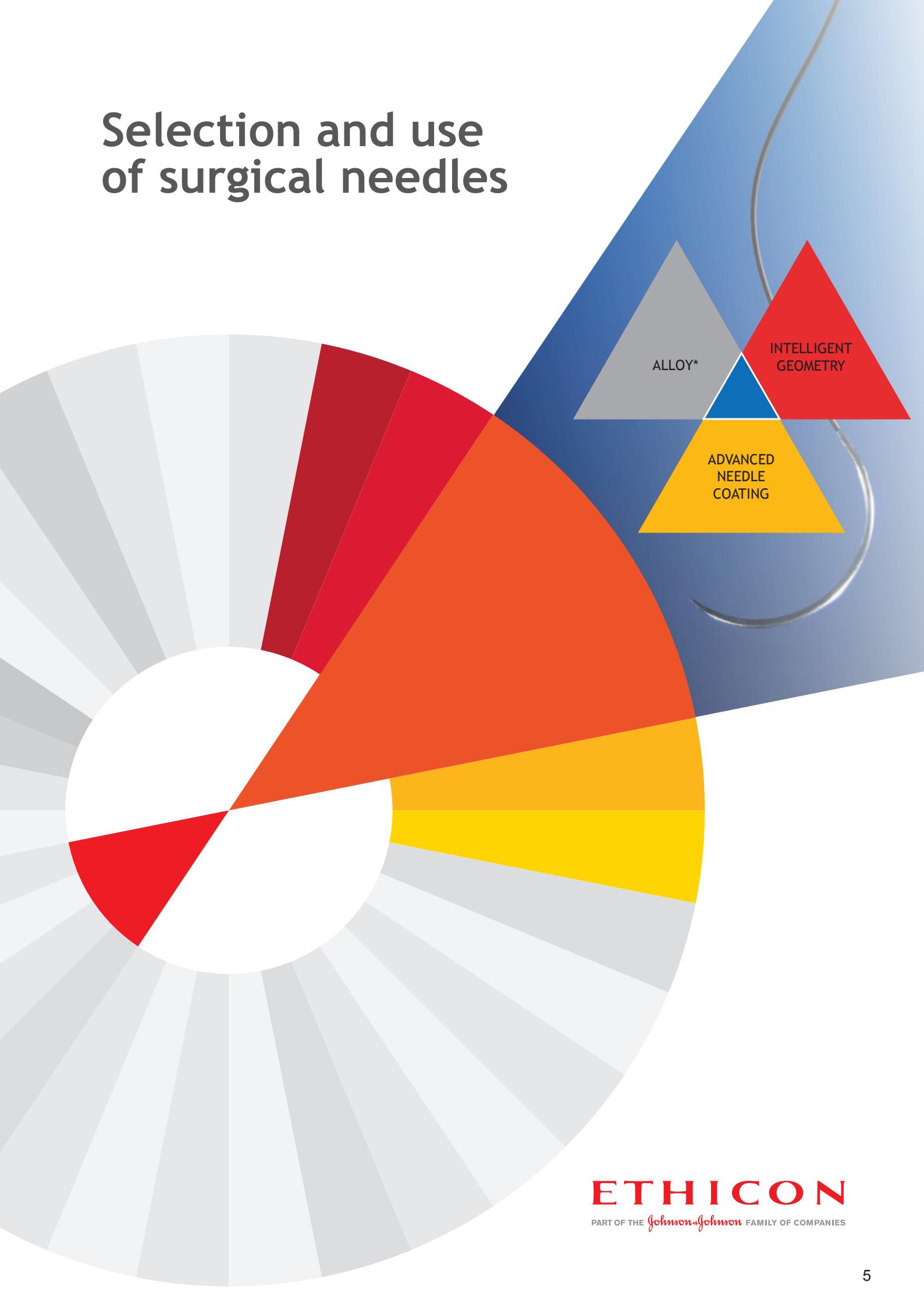
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## Our trademarks

ABSOLOK	ETHISORB	PRONOVA
ATRALOC	ETHILOCK	PROCEED
BLAKE	ETHITOUCHE	PROXIMATE
CONTROL RELEASE	HEMO-SEAL	PROXI-STRIP
CS ULTIMA	LIGACLIP	QUIXIL
DERMABOND	LIGAPAK	RELAY
EASY ACCESS	MERSILENE	SABRELOC
ENDOKNOT	MERSILK	SECURESTRAP
ENDOLOOP	MERSUTURES	SLIM BLADE
ENDOPATH	MICROPOINT	SUTUPAK
ENDOPOUCH	MONOCRYL	SURGICEL
ETHALLOY	MULTIPASS	SPONGOSTAN
ETHIBINDER	NUROLON	STRATAFIX
ETHIBOND	OMNEX	SURGIFLO
ETHICON	PDS	TAPER CUT
ETHI-ENDO-NAHT	PERMA-HAND	ULTRAPRO
ETHIGUARD	PHYSIOMESH	VICRYL
ETHILON	POWERSTAR	VISI-BLACK
ETHILOOP	PRIME	VYPRO
ETHIPIN	PRINEO	
ETHIZIP	PROLENE	

# Selection and use of surgical needles



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

# Intelligent Geometry

## A Unique Needle Range

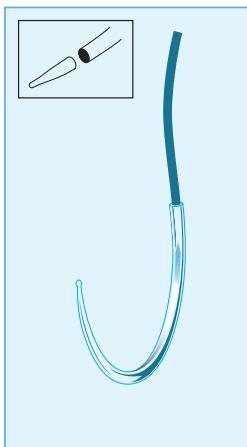
**ETHIGUARD** Blunt Point Needles

**Taper Point** Needles

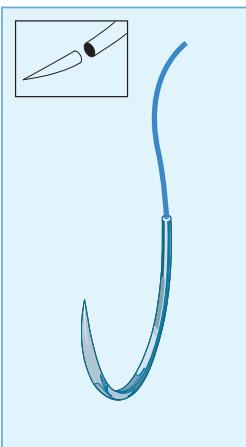
BV Needles

**VISI-BLACK** Needles

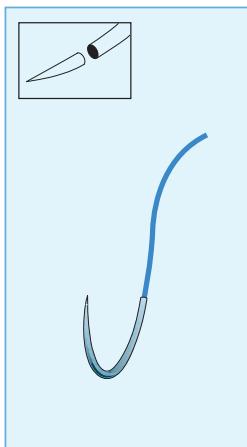
**CC** Needles



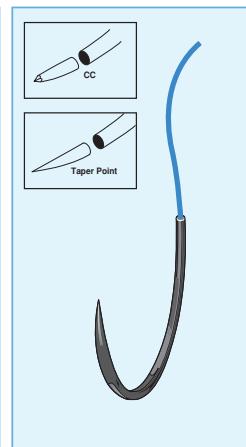
Improving safety



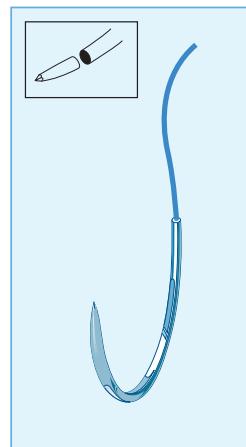
Gentle separation of fibrous tissue



Consistency pass after pass



Visibility is their strength



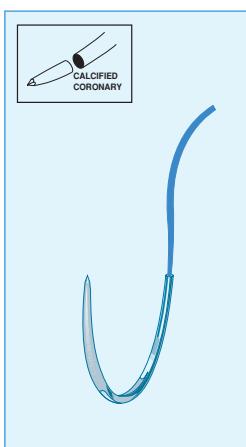
Easy penetration of calcified coronary tissues

**HEMO-SEAL**  
Needle Sutures

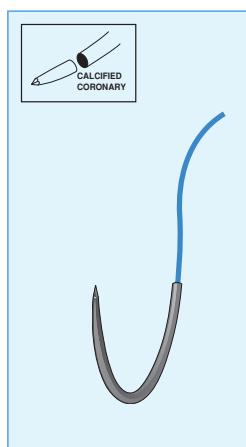
**MULTICURVE**  
Needles

**TAPERCUT**  
Needles

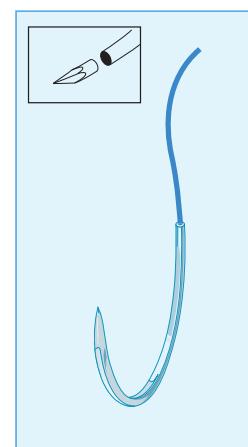
**PRIME**  
Needles



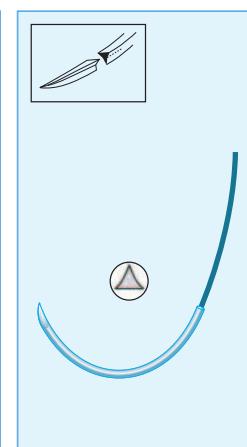
A fitting choice for vascular surgery



For confined access procedures

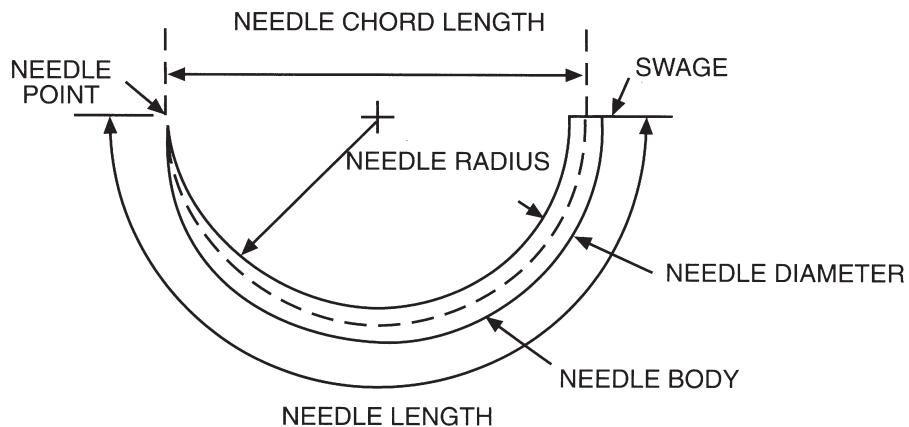


Easy penetration of dense tough tissue



Excellence in skin closure

## Anatomy of a Needle



### Needle Point

Needles can taper to a point or have cutting edges.

### Taper Ratio

Longer points for improved penetration.

### Needle Body



#### Needle flat

Flattened section for stability in the needle holder.



#### Ribs

In larger needles there is a ribbed section to provide a secure grip.



#### Square Body

Needles can also have a square body for increased strength.

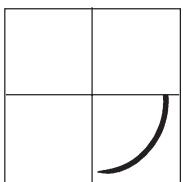
### Swage

A hole is drilled into the end of the wire and the material is attached into this hole. For premium needles the needles are laser drilled which provides a smooth transition between needle and material thus reducing tissue trauma.

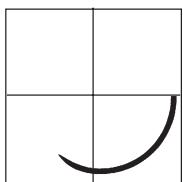
## Needle Shape

The choice of needle shape is frequently governed by the accessibility of the tissue to be sutured, and normally the more confined the operative site the greater the curvature required. The basic shapes involved are:

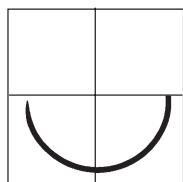
1/4 Circle



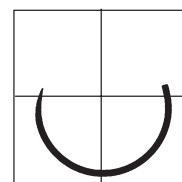
3/8 Circle



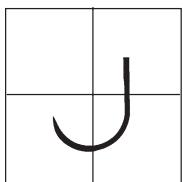
1/2 Circle



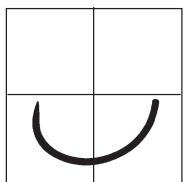
5/8 Circle



J Shape



Compound Curve



Straight



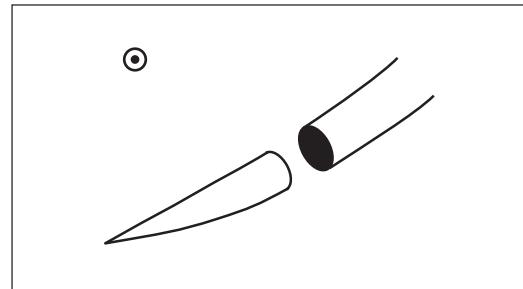
## Round Bodied needles

Round Bodied needles are designed to separate tissue fibres rather than cut them. They are used either for soft tissue or in situations where easy splitting of tissue fibres is possible. After the passage of the needle, the tissue closes tightly round the suture material, thereby forming a leak-proof suture line which is particularly vital in Intestinal and Cardio-vascular surgery.

Round Bodied needles are manufactured with different wire diameters according to the tissue to be sutured. For softer tissue such as bowel finer wire diameters can be used. Whereas for muscle or fascia heavier wire diameters are required.

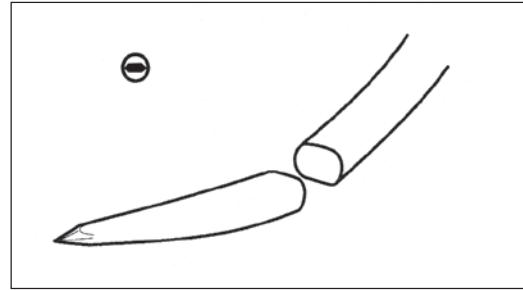
### TAPERPOINT Needle

This point profile is engineered to provide easy penetration of intended tissues. Forceps flats are formed in an area half way between the point and the attachment, Positioning the needle holder in this area confers extra stability on the needle being held, aiding precise placement of the sutures. Taper Point needles are available in a range of wire diameters and the finer diameters can be used for softer tissue in gastrointestinal or vascular procedures whereas heavier diameters are required for tougher tissue such as muscle.



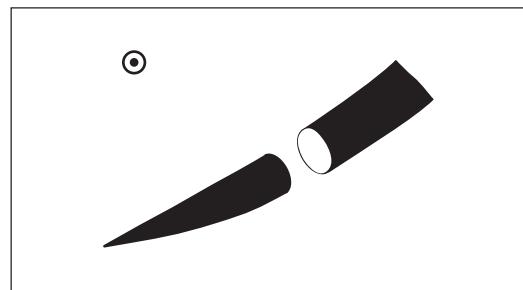
### TAPERPOINT Plus

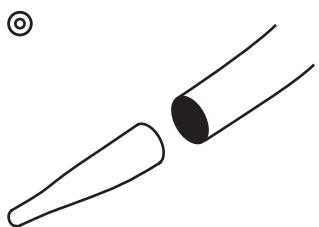
A modified point profile for most of our needles. In a modified profile, the tapered cross section immediately behind the tip has been flattened to an oval shape rather than a conventional round shape. This continues for several millimeters before merging into the conventional round bodied cross section. This design was developed to help facilitate improved separation of tissue layers.



### VISI - BLACK Needle

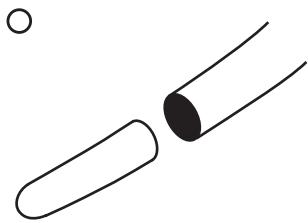
These black needles have been designed to give outstanding visibility against tissue and where blood is present in the operating field. The slim Taper Point design of the VISIBLACK Needle brings improved penetration properties and minimises tissue trauma.





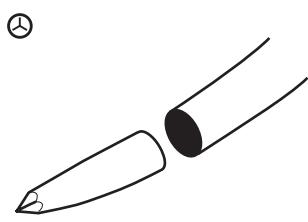
### ETHIGUARD Blunt Point Needle

The needles have been designed to minimise the risk of needle stick injury. The ETHIGUARD Needle point is sharp enough to penetrate fascia and muscle but not skin. Virtually eliminating accidental glove puncture, the ETHIGUARD Needle can also be used for suturing friable tissue such as the liver.



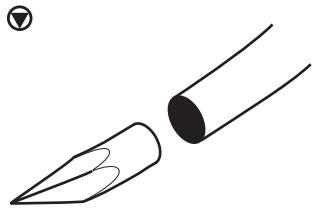
### Blunt Point Needle

This needle has been designed for suturing extremely friable tissue such as the liver.



### CC Needle

The unique point design of the CC Needle provides significantly improved penetration properties for the Cardiac / Vascular surgeon when suturing tough, calcified vessels. This is achieved with no increase in tissue trauma compared to the conventional round bodied needle. Squared body geometry, in addition to providing a stronger fine vascular needle, also means this needle is particularly secure in the needle holder.



### TAPERCUT Needle

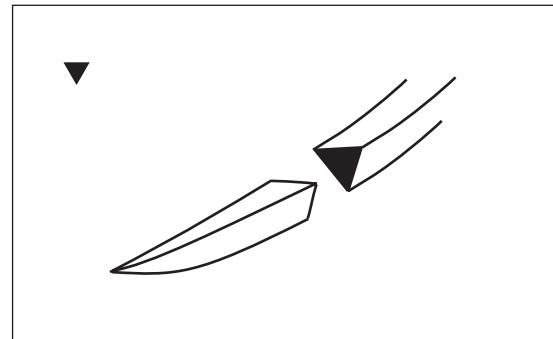
This needle combines the initial penetration of a cutting needle with the minimised trauma of a round bodied needle. The cutting tip is limited to the point of the needle, which then tapers out to merge smoothly into a round cross section.

## Cutting Needles - for Fibrous Tissue

Cutting needles are required wherever fibrous or dense tissue needs to be sutured.

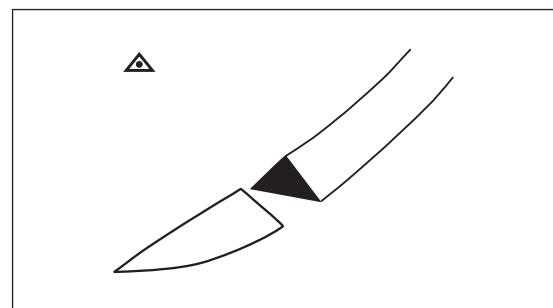
### Reverse Cutting Needle

The body of this needle is triangular in cross section, having the apex cutting edge on the outside of the needle curvature. This improves the strength of the needle and particularly increases its resistance to bending.

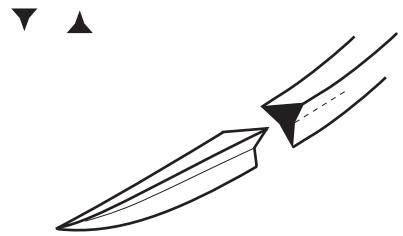


### TROCAR POINT Needle

Based on the traditional TROCAR POINT, this needle has a strong cutting head which then merges into a robust round body. The design of the cutting head ensures powerful penetration, even when deep in dense tissue.



## Cutting Needles for Plastic and Cosmetic Surgery



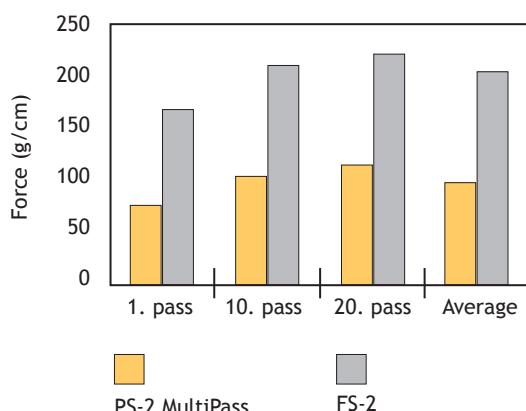
### PRIME and PRIME MULTIPASS needles

PRIME and PRIME MULTIPASS needles are manufactured with an exclusive needle tip design. The cross sectional geometry of the needle tip reduces the angles of the cutting edges which gives improved penetration and control.

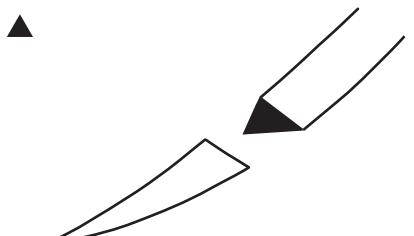
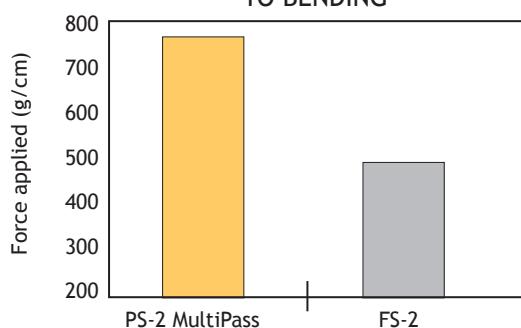
A square body on the needle greatly increases needle strength and offers improved stability in the needle holder. PRIME needles are available with either a reverse cutting or a conventional cutting profile.

PRIME MULTIPASS needles offer PRIME geometry and advanced MULTIPASS needle coating technology.

SUPERIOR EASE OF PENETRATION



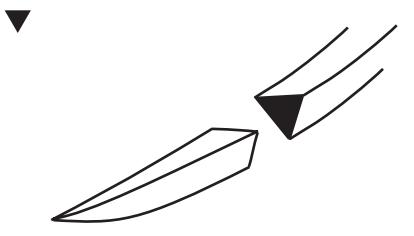
SUPERIOR RESISTANCE TO BENDING



## Cutting Needles for Skin Closure

### Conventional Cutting Needle

This needle has a triangular cross section with the apex of the triangle on the inside of the needle curvature. The effective cutting edges are restricted to the front section of the needle and merge into a triangulated body which continues for half the length of the needle.



### Reverse Cutting Needle

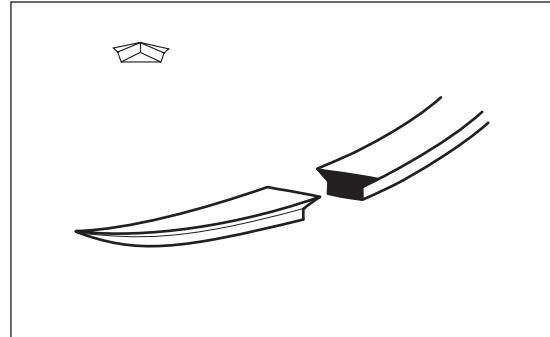
The body of this needle is triangular in cross section, having the apex cutting edge on the outside of the needle curvature. This improves the strength of the needle and particularly increases its resistance to bending.

## Ophthalmic Needles

These fine needles are manufactured using a unique process which ensures extremely sharp cutting edges. The range includes spatulated designs for suturing specific layers of the eye in Anterior Segment surgery in addition to round bodied, cutting and TAPERCUT designs for specific ophthalmic and oculoplastic procedures.

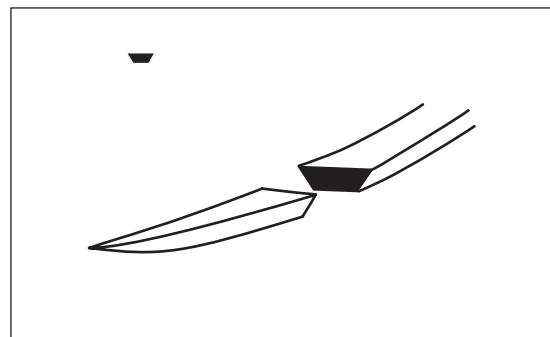
### CS-ULTIMA Spatula Needle

This needle represents a dramatic change in ophthalmic needle design. Its concave spatula geometry requires considerably less force to penetrate corneal scleral tissue than existing needles. This results in much less disruption of the cornea and the real possibility of reduced post-operative suture related astigmatism.



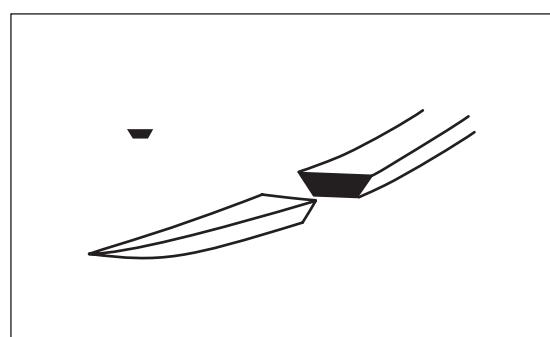
### ADVANCED MICRO-POINT Spatula Needle

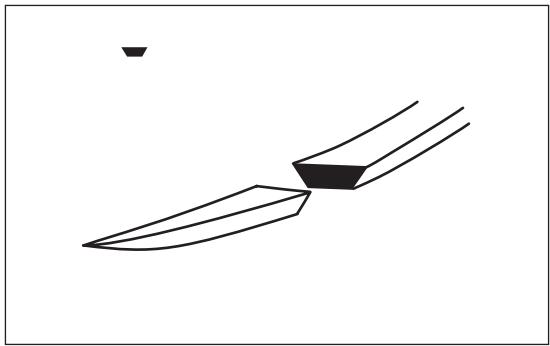
Due to the ultra fine diameter of this needle, a new concept of design has been necessary. An extremely sharp cutting point has been merged into a square body to produce superb penetration characteristics. In addition, the square body greatly increases resistance to bending and gives much improved needle holder security, locking the needle at the correct angle for secure accurate suture placement.



### MICRO-POINT Spatula Needle

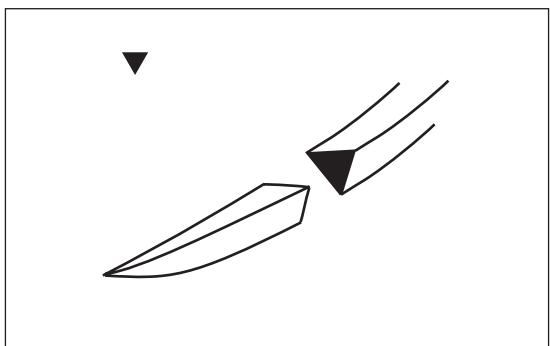
This needle has a thin, flat profile which allows the needle to penetrate between the layers of scleral or corneal tissue.





### SPATULATED Needle

Similar in cross section to MICRO-POINT Spatula needles, this is designed for scleral suturing which requires stronger needles and where the elimination of cut out or cut down by a third edge is essential.

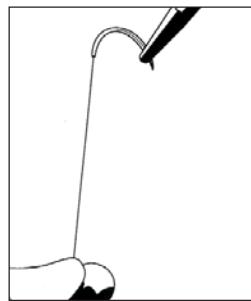


### MICRO-POINT Reverse Cutting Needle

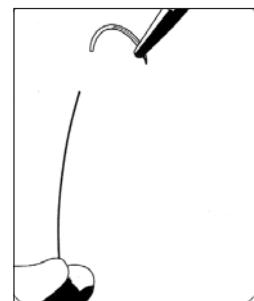
The third cutting edge of this needle lies on the outside of its curvature, thereby eliminating the possibility of needle cut out during suture placement.

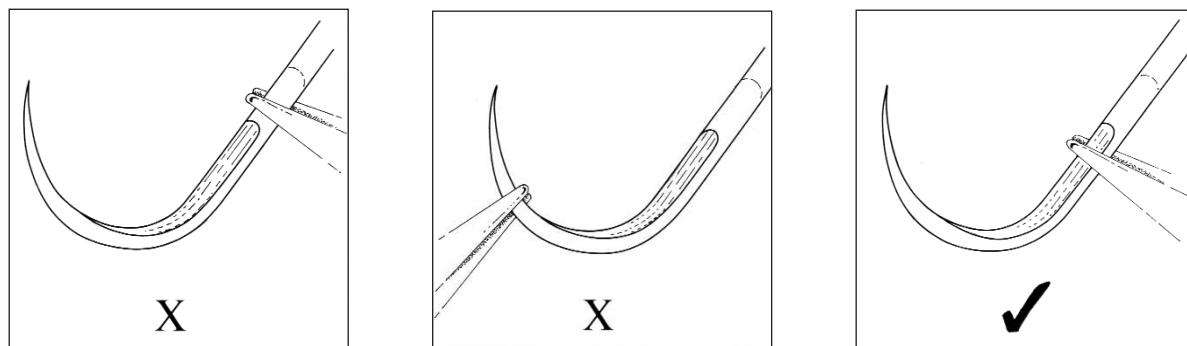
## CONTROL RELEASE Needle Sutures

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



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





## Use of Needle Holders

- 1 The needle holder should be carefully selected to match the size and strength of the needle to be used. The use of a needle holder larger than required can result in damage to the needle and in particular, distortion of the curvature.
- 2 The needle holder should be in good condition as worn jaws can result in needle rotation and instability in the needle holder. Nicks or defects in the needle holder jaws can also cause damage to the needle and loss of strength.
- 3 Needles should be grasped securely on the tip of the needle holder jaws.
- 4 Needles should only be held in the flattened area provided and should not be grasped on the attachment area or near to the needle point. Needles which are not flattened should be grasped for placement at a point approximately one third of the needle length from the butt. Excessive force should not be applied when gripping the needle, particularly with Tungsten Carbide jaw inserts, as this may damage the needle body and cause loss of strength or breakage.

## Use of Surgical Needles

- 1 The force required to achieve passage of the needle through tissue should be applied in a direction following the curvature of the needle.
- 2 Care should be taken to match the size of the needle to the size of tissue bite required. The use of too small a needle for a given tissue bite can lead to bending.
- 3 Should the placement of the needle in tissue require to be readjusted, the needle should be removed and re-inserted. No attempt should be made to twist the needle in tissue.
- 4 The needles should normally be inserted separately into each side of the tissue to be approximated and should not be used to bridge a wound.

## Needle Point Profiles

Needle Profile	New Graphic
Taper Point (Round Bodied)	●
Taper Point Plus (modified point)	◐
ETHIGUARD Blunt Point Needle	◎
Blunt Point	○
TAPERCUT Needle	▽
CC Needle	⁽
TROCAR Point	△
Conventional Cutting	▲
Reverse Cutting	▼
PRIME Needle Conventional Cutting	▲
PRIME Needle Reverse Cutting	▼
CS ULTIMA Spatula Needle	◇
Spatula	—

## Plus Antibacterial Sutures

ETHICON developed VICRYL® Plus, MONOCRYL® Plus and PDS® Plus Antibacterial Sutures in order to address the problem of Surgical Site Infections (SSIs).

ETHICON Plus Sutures contain IRGACARE® MP (triclosan), an antibacterial technology that helps inhibit bacterial colonization on the surface of the suture<sup>1</sup>.

Since 66% of infections are confined to the incision, use Plus Sutures as part of your SSI protocol to help prevent them<sup>2</sup>.



### IRGACARE® MP - The Antibacterial Component

ETHICON Plus Sutures, with IRGACARE® MP, provide the same wound healing, wound strength and tissue response as traditional sutures<sup>3</sup>.

IRGACARE® MP, the purest form of triclosan, has a favorable safety profile spanning over 30 years<sup>4</sup>. The safety of triclosan as the antibacterial agent in Plus Sutures has been well evaluated and confirmed. Over 150 million Plus Sutures have been distributed.

Triclosan is broken down and metabolized in the body. Triclosan is excreted in a neutralized, inactive form via the kidneys, posing no threat to the patient or the environment<sup>4</sup>.

VICRYL® Plus, MONOCRYL® Plus and PDS® Plus Sutures with IRGACARE® MP are effective against the pathogens most commonly associated with SSIs<sup>5</sup>:

- *Staphylococcus aureus*
- *Staphylococcus epidermidis*
- Methicillin-resistant *Staphylococcus aureus* (MRSA)
- Methicillin-resistant *Staphylococcus epidermidis* (MRSE)

MONOCRYL® Plus and PDS® Plus Sutures are also effective against:

- *Escherichia coli*
- *Klebsiella pneumoniae*



VICRYL Plus and another suture  
in *Staphylococcus aureus*

#### References:

- (1) Storch ML, Rothenburger SJ, Jacinto G. Experimental efficacy study of coated VICRYL® Plus antibacterial suture in guinea pigs challenged with *Staphylococcus aureus*. *Surg Infect.* 2004;5:281-288.
- (2) Mangram AJ, Horan TC, Pearson ML, Silver LC, Jarvis WR; The Hospital Infection Control Practices Advisory Committee. Guideline for prevention of surgical infection, 1999. *Am J Infect Control.* 1999;27:97-134.
- (3) Storch M, Scalzo H, Van Lue S, Jacinto G. Physical and functional comparison of Coated VICRYL® Plus Antibacterial suture (coated polyglactin 910 suture with triclosan) with Coated VICRYL® suture (coated polyglactin 910 suture). *Surg Infect.* 2002;3(suppl 1):S89-S98.
- (4) Barbolt TA. Chemistry and safety of Triclosan, and its use as an antibacterial coating on VICRYL® Plus Antibacterial suture (coated polyglactin 910 with Triclosan). *Surg Infect.* 2002;3 (suppl 1):S45-S54.
- (5) Edmiston CE, Seabrook GR, Goheen MP, et al. Bacterial adherence to surgical sutures: Can antibacterial-coated sutures reduce the risk of microbial contamination? *J Am Coll Surg.* 2006;203:481-489.

	ABSORBABLE SUTURES	PHYSICAL CHARACTERISTICS	COLOR	REMAINING TENSILE STRENGTH (% of the original strength)						ABSORPTION RATE	KNOT TYING
ABSORBABLE SUTURES	VICRYL® Rapide Polyglactin 910	Multifilament, coated	Violet Undyed	50% (5 days)	0% (10-14 days)					42 days	1=1=1=1
	MONOCRYL® Polyglecaprone 25	Monofilament	Violet Undyed	60% 50%	30% 20%					90 - 120 days	1=1=1=1**
	VICRYL® (6-0 and larger*) Polyglactin 910	Multifilament, coated	Violet / Undyed		75 %	50 %	25 %			56 - 70 days	2=1=1 / 1=1=1=1
	VICRYL® Plus Antibacterial Polyglactin 910										
	PDS®II (3-0 and larger*) Polydioxanone	Monofilament	Violet / Undyed		80 %		70 %	60 %		182 -238 days	1=1=1=1**
	NON-ABSORBABLE SUTURES	PHYSICAL CHARACTERISTICS	COLOR							KNOT TYING	
NON-ABSORBABLE SUTURES	PROLENE® Polypropylene	Monofilament	Blue / Undyed							1=1=1=1/ 2=1=1**	
	PRONOVA® Poly(hexafluoropropylene-VDF)	Monofilament	Blue							1=1=1=1/ 2=1=1**	
	ETHIBOND® Polyester	Multifilament, coated	Green / White							2=1=1 / 1=1=1=1*	
	MERSILENE® Polyester	Multifilament	Green / White							2=1=1	
	ETHILON® Polyamide	Monofilament	Black / Blue							1=1=1=1/ 2=1=1**	
	NUROLON® Polyamide	Multifilament, coated	Black							2=1=1	
	SILK	Multifilament	Black/White/Blue							1=1=1=1	
	STEEL	Monofilament / Multifilament	Undyed							1=1=1=1	

\* = Check the catalog for information on thinner sizes

\*\* = Additional throws may be particularly appropriate when knotting any monofilament material

# VICRYL® Rapide

(Polyglactin 910) Suture



**ETHICON**

PART OF THE **Johnson & Johnson** FAMILY OF COMPANIES

# VICRYL® Rapide

(Polyglactin 910)

## SUTURE

### Description:

Braided	For easy handling and secure knot tying.
Coated	For smooth passage through tissue and easy knot tie down.
Synthetic	For minimal tissue reaction.
Absorbable	By hydrolysis. Essentially complete in 42 days.

### Tensile strength: Post implantation      Approximate % original strength remaining

5 days	50%
10-14 days	0%

VICRYL® Rapide suture typically falls off 7-10 days post-operative or can be wiped off subsequently with gauze. Normally the removal of the suture is not required.

**Color:** Undyed or violet.

**Range:** 8-0 to 1 (USP). Supplied as needled sutures and ligatures.

**Indications:** VICRYL® Rapide is intended for use in soft tissue approximation where only short term wound support is required and where the rapid absorption of the suture would be beneficial. Typical areas of use include:

- Skin closure, cuticular or subcuticular
- Episiotomies
- Closure of oral mucosa
- Conjunctival sutures in ophthalmic surgery

Full details in the Instruction for Use included in every package.





### 1/2 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
RB-1 	5-0	○	70		36	V2130H
	4-0	○	70		36	V2140H
	3-0	○	70		36	V2150H
SH-1 	4-0	○	70		36	V2180H
	3-0	○	70		36	V2190H
	2-0	○	70		36	V62H
SH 	4-0	○	70		36	V4150H
	3-0	○	70		36	V4160H
	2-0	○	70		36	V4170H



### 1/2 Circle Taper Point Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CT-2 	2-0	○	70		36	V55H
CT-1 	2-0	○	90		36	V9450H
	0	○	90		36	V9460H
	1	○	90		36	V70H
CT 	0	○	90		36	V9580H
CTX 	0	○	90		36	PN1695H



### 1/2 Circle ETHIGUARD\* Blunt Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CTB-1 	2-0	○	90		36	W9952H



### Straight Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
ST-4 	4-0	○	70		36	BA1673H

# VICRYL® Rapide

(Polyglactin 910)



## 1/2 Circle TAPERCUT® Needles

Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-5	17 mm	3-0	○	70		12	OA1674G
V-7	26 mm	3-0	○	70		12	OB1674G
		3-0	○	70		36	OB1674H
V-34	36 mm	2-0	○	90		36	V5170H
		0	○	90		36	V5180H
V-39	45 mm	2-0	○	90		12	W9945



## Compound Curve TAPERCUT® Needles

Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
DA	16 mm	4-0	○	45		12	V2912G



## 1/2 Circle Reverse Cutting PRIME® Needles

Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
P-2	8 mm	4-0	○	45		36	JA1642H
PS-4C	16 mm	4-0	○	45		12	W9911



## 1/2 Circle Reverse Cutting Needles

Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
J-1	17 mm	4-0	○	45		12	18510G
		4-0	○	45		36	V4550H
		3-0	○	45		36	V76H
X-1	22 mm	3-0	○	45		36	V7902H
		2-0	○	45		36	V81H
CP-1	36 mm	2-0	○	90		36	V4721H
CP	40 mm	0	○	90		36	V4851H
		1	○	90		36	V4861H

**▼ 3/8 Circle Reverse Cutting PRIME\* Needles**

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
P-1	11 mm	6-0	○	45	MULTIPASS*	36
		6-0	●	45		36
		6-0	○	45		12
		5-0	○	45	MULTIPASS*	36
		5-0	○	45		12
P-3	13 mm	5-0	○	45	MULTIPASS*	36
		5-0	○	45		36
		4-0	○	45	MULTIPASS*	36
		4-0	○	45		36
PS-2	19 mm	4-0	○	45	MULTIPASS*	36
		4-0	○	75		12
		4-0	○	75	MULTIPASS*	36
		3-0	○	45		36
		3-0	○	45	MULTIPASS*	36
		3-0	○	70	MULTIPASS*	36
		3-0	○	75		12
PS-2 S	19 mm	4-0	○	45	Slimmed	36
		4-0	○	70	Slimmed	36
PS-1	24 mm	3-0	○	45		36
		3-0	○	70	MULTIPASS*	36
		3-0	○	70		36
		2-0	○	70	MULTIPASS*	36
		2-0	○	70		36

**▼ 3/8 Circle Reverse Cutting Needles**

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
C-3	13 mm	5-0	○	75		36
		5-0	○	45		36
FS-2	19 mm	4-0	○	45		36
		4-0	○	75		12
		3-0	○	45		12
		3-0	○	45		36
		3-0	○	70	MULTIPASS*	36
FS-2S	19 mm	4-0	○	45	Slimmed	36
FS-1	24 mm	3-0	○	45		36
		3-0	○	70		36
		2-0	○	45		36
FS	26 mm	3-0	○	75		12
		2-0	○	75		12
FSL	30 mm	2-0	○	90		36

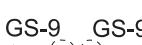
# VICRYL® Rapide

(Polyglactin 910)

<b>▲ Straight Cutting Needles</b>							
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
TS  48 mm	3-0	○	75		36	VR2239	
	2-0	○	75		36	VR2240	
KS  60 mm	3-0	○	70		36	AA1673H	

<b>▲ 3/8 Circle Conventional Cutting PRIME® Needles</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
PC-3  16 mm	4-0	○	70	MULTIPASS*	36	MPVR9918H
	3-0	○	75		12	W9919

<b>● 3/8 CIRCLE Taper Point needles</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
BV-1  9,3 mm	8-0	●	30		12	W9916

<b>■ 3/8 Circle MICROPOINT® Spatula</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
GS-12  5,5 mm	8-0	●	30		12	V1220G
GS-9  6,5 mm	8-0	●	30		12	V1210G
	7-0	●	30		12	V1211G
GS-9 GS-9  6,5 mm	8-0	●	30		12	V39G
	7-0	●	45		12	V38G
TG140-8  6,5 mm	7-0	●	30		12	W9914

<b>Ligatures</b>						
	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
	2-0	○	3x45		24	V8645E
	0	○	3x45		24	V8646E
	0	○	6x45		24	V8980E

# MONOCRYL\*

(Poliglecaprone 25) Suture



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

# MONOCRYL\*

(Poliglecaprone 25) Monofilament

## SUTURE

### Description:

Monofilament	For smooth passage through tissue.
Synthetic	For minimal tissue reaction.
Absorbable	By hydrolysis. Essentially complete in 90 -120 days.

### Tensile strength: Post implantation      Approximate % original strength remaining

7 days	60% (violet) 50% (undyed)
14 days	30% (violet) 20% (undyed)
21 days	0% (undyed)
28 days	0% (violet)

### Color:

Violet or undyed.

### Range:

6-0 to 1 (USP). Supplied as needled sutures and ligatures.

### Indications:

MONOCRYL\* sutures are intended for use in general soft tissue approximation and/or ligation where an absorbable material is indicated. Typical areas of use include:

- Subcuticular sutures
- Small intestine anastomoses
- Urological anastomoses

Full details in the Instruction for Use included in every package.





### 1/2 Circle Taper Point Needles

Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
TF	13 mm	6-0	●	70		36	Y432H
		5-0	●	70		36	Y925H
RB-1	17 mm	6-0	●	70		36	Y212H
		5-0	●	70		36	Y213H
		4-0	●	70		36	Y214H
		3-0	○	70		36	T4215AH
		3-0	●	70		36	Y215H
JRB-1  VISI-BLACK	17 mm	4-0	●	70	VISI-BLACK*	36	Y3040H
JRB-1  VISI-BLACK	17 mm	5-0	●	70	VISI-BLACK*	36	Y3213H
		4-0	●	70	VISI-BLACK*	36	Y3214H
SH-1	22 mm	4-0	●	70		36	Y218H
		3-0	●	70		36	Y219H
JB-1  VISI-BLACK	22 mm	4-0	●	70	VISI-BLACK*	36	Y3100H
		3-0	●	70	VISI-BLACK*	36	Y3110H
		2-0	●	70	VISI-BLACK*	36	Y3120H
JB-1  VISI-BLACK	22 mm	4-0	●	70	VISI-BLACK*	36	Y3218H
		4-0	●	90	VISI-BLACK*	36	Y5218H
		3-0	●	70	VISI-BLACK*	36	Y3219H
SH	26 mm	4-0	●	70		36	Y415H
		3-0	○	70		12	NP0001
		3-0	●	70		36	Y416H
		2-0	●	70		36	Y417H
		0	●	70		36	Y418H
JB  VISI-BLACK	26 mm	4-0	●	70	VISI-BLACK*	36	Y3150H
		3-0	●	70	VISI-BLACK*	36	Y3160H
		3-0	●	8x45	CONTROL RELEASE*, VISI-BLACK*	12	Y3864G
		3-0	●	8X70	CONTROL RELEASE*, VISI-BLACK*	12	Y7840G
		2-0	●	70	VISI-BLACK*	36	Y3170H
JB  VISI-BLACK	26 mm	3-0	●	70	VISI-BLACK*	36	Y3416H
		3-0	●	90	VISI-BLACK*	36	Y5270H
		2-0	●	70	VISI-BLACK*	36	Y3417H
MH-1	31 mm	3-0	●	70		12	W3200
		2-0	●	70		12	W3441
MH	36 mm	2-0	●	70		36	Y227H

# MONOCRYL\*

(Poliglecaprone 25) Monofilament



## 1/2 Circle Taper Point Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CT-2 	26 mm	2-0	●	90	36	Y326H
		0	●	70	36	Y270H
CT-1 	36 mm	2-0	●	70	36	Y259H
		0	●	70	36	Y260H
		0	●	90	36	Y946H
		1	●	70	36	Y261H
CTX 	48 mm	2-0	●	90	12	Y979G
		1	●	90	12	Y977G



## 1/2 Circle ETHIGUARD\* Blunt Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
	70 mm	1	●	90	12	W3709



## 5/8 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
UV-17 	17 mm	4-0	○	45	TAPERCUT*	12	NP0128
UR-6 	26 mm	3-0	●	70	12	W3625	
		2-0	●	70	36	Y605H	
UR-6 	26 mm	3-0	●	70	36	Y602H	
UR-5 	36 mm	2-0	●	70	36	Y375H	



## 1/2 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-7 	26 mm	2-0	●	70	36	Y999H
V-34 	36 mm	2-0	●	70	12	W3488
		0	●	70	12	W3489
		1	●	90	36	Y919H



### Compound Curve TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
DA-1	13 mm	5-0	○	45	12	Y4950G



### 1/2 Circle Reverse Cutting Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
X-1	22 mm	2-0	○	70	36	C459
CP-2	26 mm	2-0	●	70	12	W3230
CP-1	36 mm	0	●	70	36	C267



### 3/8 Circle Reverse Cutting PRIME\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
P-1	11 mm	6-0	○	45	MULTIPASS*	36
		6-0	○	45		36
		5-0	○	45	MULTIPASS*	36
P-3	13 mm	6-0	○	45	MULTIPASS*	36
		6-0	○	45		36
		5-0	○	45	MULTIPASS*	36
		5-0	●	45		36
		5-0	○	45		36
		4-0	○	45	MULTIPASS*	36
		4-0	○	45		36
PS-3	16 mm	5-0	○	45	MULTIPASS*	36
		5-0	○	45		12
		4-0	○	45	MULTIPASS*	36
		4-0	○	45		12
PS-2	19 mm	5-0	○	45	MULTIPASS*	36
		4-0	○	45	MULTIPASS*	36
		4-0	○	45		12
		4-0	○	70	MULTIPASS*	36
		3-0	○	45	MULTIPASS*	36
		3-0	○	45		12
		3-0	○	70		36
		3-0	○	70	MULTIPASS*	36
PS-1	24 mm	4-0	○	45		36
		4-0	○	70	MULTIPASS*	36
		4-0	○	70		36
		3-0	○	70		12
		3-0	○	70	MULTIPASS*	36
		2-0	○	70	MULTIPASS*	36
		2-0	○	70		36

# MONOCRYL\*

(Poliglecaprone 25) Monofilament



## 3/8 Circle Reverse Cutting PRIME\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
PS 	4-0	○	70	MULTIPASS*	36	MPY3212H
	4-0	○	70		12	W3212
	3-0	○	70	MULTIPASS*	36	MPY3213H
	3-0	○	70		12	W3213



## Compound Curve Reverse Cutting PRIME\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
PS-4C 	16 mm	5-0	○	45		12	NP0127



## 3/8 Circle Reverse Cutting Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
FS-2 	4-0	○	45		36	Y292H	
	4-0	○	70		36	Y422H	
	3-0	○	45		36	Y293H	
	3-0	○	70		36	Y423H	
FS-1 	4-0	○	70		36	Y291H	
	3-0	○	70		36	Y442H	
	2-0	○	70		36	Y443H	
FS 	26 mm	3-0	○	70		12	W3326



## Straight Cutting Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
TS 	48 mm	4-0	○	70		36	C1041
KS 	4-0	○	70		12	W3649	
	3-0	○	70		12	W3650	



## 1/4 Circle Spatula Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
S-14 	8 mm	6-0	○	45		12	W3552

## Ligatures

	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
LIGAPAK*	3-0	●	250	Reel	10	W3020
SUTUPAK*	2-0	●	150		12	W3113
	0	●	150		12	W3114
	1	●	150		12	W3115
	2-0	●	2x70		36	Y625H
	3-0	○	3x45		36	Y634H

# MONOCRYL\* Plus

(Poliglecaprone 25) Antibacterial Suture



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

# MONOCRYL® Plus

(Poliglecaprone 25) Antibacterial

## SUTURE

### Description:

Monofilament	For smooth passage through tissue.
Synthetic	For minimal tissue reaction.
Absorbable	By hydrolysis. Essentially complete in 90 -120 days.

### Tensile strength: Post implantation

	Approximate % original strength remaining
7 days	60% (violet) 50% (undyed)
14 days	30% (violet) 20% (undyed)
21 days	0% (undyed)
28 days	0% (violet)

### Color:

Violet or undyed.

### Range:

6-0 to 1 (USP). Supplied as needled sutures and ligatures.

### Indications:

MONOCRYL® Plus sutures are intended for use in general soft tissue approximation and/or ligation where absorbable material is indicated. Typical areas of use include:

- Subcuticular sutures
- Small intestine anastomoses
- Urological anastomoses

### Protection against bacterial colonization

In vitro studies demonstrate, that MONOCRYL® Plus suture has a zone of inhibition that is effective against the pathogens that most frequently cause surgical site infection, including *Staphylococcus aureus*, methicillin resistant *Staphylococcus aureus* (MRSA), *Staphylococcus epidermidis*, methicillin resistant *Staphylococcus epidermidis* (MRSE), *E. coli* and *Klebsiella pneumoniae*.

Full details in the Instruction for Use included in every package.





### 1/2 Circle Taper Point Needles

Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
TF	13 mm	6-0	●	70		36	MCP432H
		5-0	●	70		36	MCP925H
RB-1	17 mm	6-0	●	70		36	MCP212H
		5-0	●	70		36	MCP2131H
		4-0	●	70		12	MCP3435G
		3-0	●	70		36	MCP215H
JRB-1 VISI-BLACK	17 mm	4-0	●	90	VISI-BLACK*	36	MCP3070H
SH-1	22 mm	4-0	●	70		36	MCP218H
		3-0	●	70		12	MCP219G
JB-1 VISI-BLACK	22 mm	4-0	●	70	VISI-BLACK*	36	MCP3100H
		3-0	●	70	VISI-BLACK*	36	MCP3110H
		2-0	●	70	VISI-BLACK*	36	MCP3120H
JB-1 VISI-BLACK	22 mm	4-0	●	70	VISI-BLACK*	36	MCP3218H
		4-0	●	90	VISI-BLACK*	36	MCP5218H
		3-0	●	70	VISI-BLACK*	36	MCP3219H
SH	26 mm	4-0	●	70		36	MCP4150H
		3-0	●	70		36	MCP4160H
		2-0	●	70		36	MCP4170H
JB VISI-BLACK	26 mm	4-0	●	70	VISI-BLACK*	36	MCP3150H
		3-0	●	70	VISI-BLACK*	36	MCP3160H
		2-0	●	70	VISI-BLACK*	36	MCP3170H
JB VISI-BLACK	26 mm	3-0	●	70	VISI-BLACK*	36	MCP3416H
		3-0	●	90	VISI-BLACK*	36	MCP5270H
MH-1	31 mm	3-0	●	70		36	MCP3200H
MH	36 mm	2-0	●	70		36	MCP227H



# MONOCRYL® Plus

(Poliglecaprone 25) Antibacterial



## 1/2 Circle Taper Point Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CT-2	26 mm	2-0	●	70	36	MCP4269H
		0	●	70		MCP4270H
CT-1	36 mm	2-0	●	70	36	MCP4259H
		0	●	70		MCP260H
		0	●	90	36	MCP4946H



## 5/8 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
UR-6	26 mm	3-0	●	70	36	MCP3625H
		2-0	●	70		MCP6050H



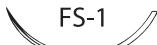
## Compound Curve TAPERCUT® Needles

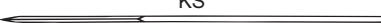
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
DA-1	5-0	○	45		12	MCP4950G



## 3/8 Circle Reverse Cutting PRIME® Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
P-1	11 mm	6-0	○	70	MULTIPASS*	36	MCP489H
		5-0	○	70	MULTIPASS*	36	MCP490H
P-3	13 mm	6-0	○	70	MULTIPASS*	36	MCP492H
		5-0	○	70	MULTIPASS*	36	MCP493H
		4-0	○	70	MULTIPASS*	36	MCP494H
PS-3	16 mm	5-0	○	70	MULTIPASS*	36	MCP500H
		4-0	○	70	MULTIPASS*	12	MCP3205G
PS-2	19 mm	5-0	○	70	MULTIPASS*	36	MCP495H
		4-0	○	45	MULTIPASS*	36	MCP496H
		4-0	○	70	MULTIPASS*	36	MCP4260H
		4-0	●	70	MULTIPASS*	36	MCP498H
		3-0	○	45	MULTIPASS*	36	MCP497H
		3-0	●	70	MULTIPASS*	36	MCP428H
		3-0	○	70	MULTIPASS*	36	MCP4271H
PS-1	24 mm	4-0	○	70	MULTIPASS*	36	MCP9350H
		3-0	○	70	MULTIPASS*	36	MCP683H
		2-0	○	70	MULTIPASS*	36	MCP684H
PS	26 mm	3-0	○	70	MULTIPASS*	36	MCP3213H

<b>▼ 3/8 Circle Reverse Cutting Needles</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
FS-2 	5-0	○	70		12	MCP3209G
	4-0	○	45		36	MCP292H
	4-0	○	70		36	MCP4422H
	3-0	○	45		36	MCP293H
	3-0	○	70		36	MCP4423H
FS-1 	4-0	○	70		36	MCP291H
	3-0	○	70		36	MCP442H
	2-0	○	70		36	MCP4443H
FS 	3-0	○	70		12	MCP3326G

<b>▲ Straight Cutting Needles</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
KS 	4-0	○	70		12	MCP3649G
	3-0	○	70		12	MCP3650G





# VICRYL®\*

(Polyglactin 910) Suture



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

# VICRYL\*

(Polyglactin 910) Braided and Monofilament

## SUTURE

### Description:

Braided	For easy handling and secure knot tying.
Coated	For smooth passage through tissue and easy knot tie down.
Synthetic	For minimal tissue reaction.
Absorbable	By hydrolysis. Essentially complete in 56-70 days.

### Tensile strength: Post implantation      Approximate % original strength remaining

14 days	75%
21 days	50% (6-0 and larger) 40% (7-0 and smaller)
28 days	25% (6-0 and larger)

### Color:

Violet or undyed.

### Range:

10-0 to 6 (USP). Supplied as needled sutures and ligatures. Sizes 10-0 and 9-0 are monofilament in structure.

### Indications:

VICRYL\* sutures are intended for use in soft tissue approximation and/or ligation, including use in ophthalmic surgery, peripheral nerve adaptation and microsurgery for vessels less than 2 mm in diameter. Typical areas of use include:

- Fascia closure - due to the 28-day claim
- Subcutaneous fat
- Joint capsule
- Uterus

Full details in the Instruction for Use included in every package.





### 1/2 Circle Taper Point Needles

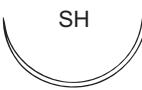
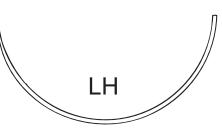
Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
TF-6	6,5 mm	8-0	●	30		12
		7-0	●	30		36
TF-1	10 mm	5-0	●	70		36
		6-0	●	70		PZ2571H
RB-2	13 mm	6-0	●	70		36
		6-0	○	45		12
TF	13 mm	6-0	●	70		36
		5-0	●	70		V925H
		4-0	●	70		V924H
RB-1	17 mm	6-0	●	70		36
		5-0	●	70		V303H
		5-0	○	70		V213H
		4-0	●	70		V304H
		4-0	○	70		V214H
		4-0	●	8x45	CONTROL RELEASE*	24
		4-0	●	4x45	CONTROL RELEASE*	12
		4-0	●	8x70	CONTROL RELEASE*	24
		3-0	●	70		V305H
		3-0	○	70		V215H
		3-0	●	8x45	CONTROL RELEASE*	12
		2-0	●	70		V306H
RB-1 RB-1		17 mm	3-0	●	70	
JRB-1	17 mm	5-0	●	70	VISI-BLACK*	36
		4-0	●	70	VISI-BLACK*	36
SH-1	22 mm	4-0	●	70		36
		4-0	○	70		V426H
		3-0	●	70		V311H
		3-0	○	70		V219H
		3-0	●	4x45	CONTROL RELEASE*	36
		2-0	●	70		V312H
		2-0	○	70		V220H
		2-0	●	8x45	CONTROL RELEASE*	24
JB-1	22 mm	4-0	●	70	VISI-BLACK*	36
		3-0	●	70	VISI-BLACK*	36
		2-0	●	70	VISI-BLACK*	36

# VICRYL\*

(Polyglactin 910) Braided and Monofilament



## 1/2 Circle Taper Point Needles

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
SH  26 mm	4-0	●	70		36	V315H
	4-0	●	8x70	CONTROL RELEASE*	12	V783G
	3-0	●	70		36	V316H
	3-0	○	70		36	V416H
	3-0	●	90		36	V242H
	3-0	●	8x45	CONTROL RELEASE*	12	J774D
	2-0	●	70		36	V317H
	2-0	○	70		36	V224H
	2-0	●	90		36	V243H
	2-0	●	8x45	CONTROL RELEASE*	12	J775D
	0	●	70		36	V318H
	0	○	70		36	V225H
JB  VISI-BLACK 26 mm	4-0	●	70	VISI-BLACK*	36	V3150H
	3-0	●	70	VISI-BLACK*	36	V3160H
	3-0	○	70	VISI-BLACK*	36	V4416H
	3-0	●	8x45	CONTROL RELEASE*	24	V7740E
	3-0	●	8x70	CONTROL RELEASE*	24	V7840E
	2-0	●	70	VISI-BLACK*	36	V3170H
MH-1  31 mm	3-0	●	70		36	V245H
	2-0	●	70		36	V246H
	0	●	70		36	V247H
MH  36 mm	4-0	●	90		36	PG2592H
	3-0	●	70		36	V322H
	3-0	●	90		36	V100H
	2-0	●	70		36	V323H
	2-0	○	70		36	V226H
	2-0	●	90		36	V101H
	0	●	70		36	V324H
	0	●	90		36	V102H
	1	●	70		36	V325H
	1	○	70		36	V228H
LH  40 mm	2-0	●	70		36	PH2574H



**1/2 Circle Taper Point Needles (Heavier Wire Diameter)**

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
UCL	13 mm	3-0	●	70		36 V113H
		0	●	70		36 V115H
UCLX	16 mm	3-0	●	70		36 V13H
		2-0	●	70		36 V14H
		0	●	70		36 V15H
		1	●	70		36 V16H
CT-3	22 mm	3-0	●	70		36 V327H
		2-0	●	70		36 V328H
		0	●	70		36 V329H
CT-2	26 mm	3-0	●	70		36 V332H
		2-0	●	70		36 V333H
		2-0	○	70		36 V269H
		2-0	●	4x45	CONTROL RELEASE*	24 V7642E
		0	●	70		36 V334H
		0	○	70		36 V270H
		0	●	8x45	CONTROL RELEASE*	24 V744E
		0	●	4x70	CONTROL RELEASE*	24 4PK2575YE
		1	●	70		36 V335H
		2	●	70		36 V336H
MO-6	27 mm	1	●	90		36 V237H
MO-5	31 mm	0	●	75		12 W9215
		1	●	75		12 W9216
CT-1	36 mm	3-0	●	70		36 V338H
		3-0	○	90		36 V944H
		2-0	●	70		36 V339H
		2-0	●	90		36 V345H
		2-0	○	90		36 V945H
		2-0	○	8x70	CONTROL RELEASE*	12 JJ42D
		0	●	70		36 V340H
		0	●	90		36 V346H
		0	○	90		36 V946H
		0	●	8x45	CONTROL RELEASE*	12 J740D
		1	●	70		36 V341H
		1	●	90		36 V347H
		1	●	4x70	CONTROL RELEASE*	12 V736G
		2	●	90		36 V348H
MO-4	36 mm	0	●	70		36 V436H
		1	●	90		36 V255H

**VICRYL\***

(Polyglactin 910) Braided and Monofilament

**1/2 Circle Taper Point Needles (Heavier Wire Diameter)**

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
CT	3-0	●	70		36	V350H
	2-0	●	70		36	V351H
	2-0	●	8x45	CONTROL RELEASE*	12	8PM2544YG
	0	●	70		36	V352H
	0	●	90		36	V358H
	1	●	70		36	V353H
	1	●	90		36	V359H
	1	●	8x45	CONTROL RELEASE*	12	J753D
	2	●	90		36	V360H
	2	○	90		36	V960H
MO-45	45 mm	1	●	75	12	W9245
CTX	3-0	●	70		36	V362H
	2-0	●	70		36	V363H
	0	●	70		36	V364H
	0	●	90		36	V370H
	0	○	90		36	V170H
	0	●	8x45	CONTROL RELEASE*	12	J764D
	1	●	70		36	V365H
	1	●	90		36	V371H
	1	○	90		36	V366H
	1	●	8x45	CONTROL RELEASE*	12	J765D
	2	●	90		36	V372H
	2	○	90		36	V367H
TP-1	65 mm	2	●	90	12	V585G
XLH	70 mm	2-0	●	4x70	6	J649
XLH	70 mm	2-0	●	70	12	V581G
XLH	70 mm	0	●	70	12	V582G
XLH	70 mm	1	●	70	12	V583G

◎ **1/2 Circle ETHIGUARD\* Blunt Point Needles**

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
 MHB-1	31 mm	3-0	75		12	W9983
		2-0	75		12	W9984
 CTB-1	36 mm	2-0	75		12	W9985
		2-0	75	Heavy Needle	12	W9993
		0	75		12	W9986
		0	90	Heavy Needle	12	W9994
		1	90	Heavy Needle	12	W9995
 CTB	40 mm	0	75		12	W9988
		0	90	Heavy Needle	12	W9996
		1	90	Heavy Needle	12	W9997
 CTXB	48 mm	0	90		12	W9990
		1	90		12	W9991

◎ **3/8 Circle Blunt Point Needles**

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
 BP-5	1	●	100		12	W9391

◎ **5/8 Circle Taper Point Needles**

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
 UR-6	26 mm	3-0	70		36	V601H
		2-0	70		36	V602H
		0	70		36	V603H
		1	70		36	VC2575H
 UR-6	2-0	●	70		36	VCC2573H
 UR-5	36 mm	2-0	70		36	V375H
		0	70		36	V376H
		1	70		36	V377H
 UR-4	40 mm	2-0	70		36	V380H
		0	70		36	V381H

# VICRYL\*

(Polyglactin 910) Braided and Monofilament

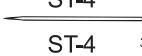


## Fish Hook Needles

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
PB-30 	2-0	●	70	Taper point	36	DF2570H
	1	●	70	Taper point	36	DF2573H
V-38 	1	●	75	TAPERCUT*	12	W9335

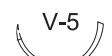


## Straight Taper Point Needles

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
ST-4 	4-0	●	70		36	BA2573H
	3-0	●	70		36	BA2574H
ST-4 ST-4 	4-0	●	35		36	V620H
ST 	3-0	●	70		36	BC2573H



## 1/2 Circle TAPERCUT\* Needles

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
V-5 	4-0	●	70		12	V994G
	4-0	●	70		36	V994H
	4-0	○	70		36	V230H
	3-0	●	70		36	V276H
V-6 	4-0	○	70		36	V231H
V-7 	3-0	●	70		12	V998G
	3-0	●	70		36	V998H
	2-0	●	70		36	V999H
	2-0	●	6x45	CONTROL RELEASE*	24	6OB2545YE
	0	●	70		36	V279H
V-30 	2-0	●	75		12	W9360
	0	●	75		12	W9361
	1	●	75		12	W9362
V-34 	3-0	●	90		36	V516H
	2-0	●	90		36	V517H
	0	●	90		36	V518H
	1	●	90		36	V519H



### 1/2 Circle TAPERCUT\* Needles

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
	2-0	○	75	Slimmed	12	W9900
	2-0	○	75		12	W9904
	2-0	●	90		12	W9466
	0	●	90		36	VS4000H
	1	●	75		12	W9377
	2-0	●	90		36	VS5020H
	0	●	70		36	VS5000H
	1	●	150	LOOP	24	V829E
	6	●	75		12	V140G
	6	●	150		12	OH2528G



### 3/8 Circle TAPERCUT\* Needles

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
	6-0	●	70		36	V991H
	5-0	●	70		36	V990H
	5-0	○	75		12	W9824
	4-0	○	70		12	V240G
	3-0	○	75		12	W9826



### 5/8 Circle TAPERCUT\* Needles

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
UV-10	6-0	●	30		12	W9172
UV-17	4-0	○	75		12	W9820

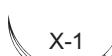


### Compound Curve TAPERCUT\* Needles

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
DA 	4-0	●	45	VISI-BLACK*	12	18531G

# VICRYL\*

(Polyglactin 910) Braided and Monofilament

▼ 1/2 Circle Reverse Cutting Needles (Heavier Wire Diameter)						
Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
 X-1	22 mm	3-0	●	70	36	V460H
		3-0	○	70	36	ME2673H
		2-0	●	70	36	V461H
		2-0	○	75	36	JV459
 OS-4	22 mm	0	○	70	HEAVY NEEDLE	36 J694H
		2	●	75	HEAVY NEEDLE	12 W9287
 CP-2	26 mm	3-0	●	70	36	MF2572H
		2-0	●	75	36	JV969
		2-0	○	70	36	V869H
		0	●	70	36	MF2574H
		0	●	4x45	CONTROL RELEASE	24 V870E
		1	○	70	36	MF2675H
 CP-1	36 mm	3-0	●	70	36	V465H
		2-0	●	70	36	V466H
		2-0	●	90	36	V472H
		2-0	○	90	36	JV1472
		0	●	70	36	V467H
		0	●	90	36	V473H
		0	●	4x45	CONTROL RELEASE	12 V475G
		1	●	70	36	V468H
		1	●	90	36	V474H
 CP	40 mm	2-0	●	70	36	V478H
		0	●	70	36	V479H
		0	●	90	36	V485H
		1	●	70	36	V480H
		1	●	90	36	V486H
 CPX	48 mm	0	●	90	36	V1057H
		1	●	90	36	V1058H
		2	●	90	36	V1059H

▼ 1/2 Circle Reverse Cutting PRIME* Needles						
Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
 PS-4	16 mm	5-0	○	45	Compound curve	12 W9436
		4-0	○	45		12 V507G
		4-0	○	45	Compound curve	12 W9437

▼ 3/8 Circle Reverse Cutting PRIME* Needles						
Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
P-1	11 mm	6-0	○	45	MULTIPASS*	36
		6-0	○	45		36
		5-0	○	45	MULTIPASS*	36
		5-0	○	45		36
P-3	13 mm	6-0	○	45	MULTIPASS*	36
		6-0	○	45		36
		5-0	○	45	MULTIPASS*	36
		5-0	○	45		36
		4-0	○	45	MULTIPASS*	36
		4-0	○	45		36
PS-3	16 mm	5-0	○	45	MULTIPASS*	36
		4-0	○	45		24
PS-2	19 mm	5-0	○	45	MULTIPASS*	36
		4-0	○	45	MULTIPASS*	36
		4-0	○	45		24
		3-0	○	45	MULTIPASS*	36
		3-0	○	45		36
PS-2 S	19 mm	4-0	○	45	Slimmed	36
PS-1	24 mm	4-0	○	70		36
		3-0	○	45	MULTIPASS*	36
		3-0	○	45		36
		2-0	○	45	MULTIPASS*	36
		2-0	○	45		36
PS	26 mm	3-0	○	70	MULTIPASS*	36
PSL	30 mm	2-0	●	70		36

▼ 3/8 Circle Reverse Cutting Needles						
Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
C-3	13 mm	6-0	●	45		36
		5-0	○	45		36
		5-0	●	45		36
		4-0	●	45		36
FS-3	16 mm	6-0	●	45		36
		5-0	●	45		36
		4-0	●	75	CONVENTIONAL CUTTING	12

# VICRYL\*

(Polyglactin 910) Braided and Monofilament

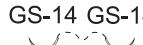
3/8 Circle Reverse Cutting Needles						
Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
FS-2	5-0	○	45		36	V291H
	5-0	●	45		36	V391H
	5-0	○	70		36	V421H
	4-0	○	45		36	V292ZH
	4-0	●	45		12	V392ZG
	3-0	○	45		36	V293H
	3-0	●	45		12	V393G
	3-0	●	45		36	V393H
	3-0	○	70		36	V423H
	3-0	●	70		36	V398H
FS-2S	4-0	○	45	Slimmed	36	V292H
	4-0	●	45	Slimmed	36	V392H
	4-0	○	70	Slimmed	36	V422H
	4-0	●	70	Slimmed	36	V397H
FS-1	4-0	○	70		36	V441H
	4-0	●	70		36	V451H
	3-0	○	70		36	V442H
	3-0	●	70		36	V452H
	2-0	○	70		36	V443H
	2-0	●	70		36	V453H
FSL	3-0	○	70		36	V588H
	3-0	●	70		36	V585H
	2-0	○	75		36	JV589
	2-0	●	70		36	V586H
	0	○	70		36	V520H
	0	●	70		36	V587H

3/8 Circle Conventional Cutting PRIME* Needles						
Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
PC-3	5-0	○	45		24	W9505T
	4-0	○	45	MULTIPASS*	36	MPV9506H
PC-5	4-0	○	75		24	W9570T
	3-0	○	70	MULTIPASS*	36	MPV9571H
PC-25	4-0	○	70	MULTIPASS*	36	MPV9580H
	4-0	○	75		24	W9580T
	3-0	○	75		24	W9581T
PCLX	3-0	○	75		24	W9531T

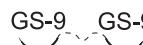
▲ **Straight Cutting Needles**

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
SC-1 	13 mm	4-0	●	45		36 V383H
KS-25 	25 mm	3-0	●	70		12 V2530G
TS 	48 mm	3-0	○	70		36 AB2673H
KS 	4-0	○	70		36	V662H
	3-0	●	70		36	V523H
	3-0	○	70		36	V663H
	2-0	●	70		36	V524H
	2-0	○	70		36	V664H

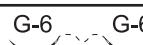
▼ **1/2 Circle MICROPOINT\* Spatula**

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
GS-14 	10-0	●	30		12	V450G
	9-0	●	30		12	V449G
	8-0	●	20		12	V574G
TG175-8 	7-0	●	45		12	W9565

▼ **3/8 Circle MICROPOINT\* Spatula**

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
GS-9 	8-0	●	30		12	V120G
	7-0	●	30		12	V119G
GS-9 	10-0	●	30	Monofilament	12	V440G
	9-0	●	30		12	V549G
	9-0	●	30	Monofilament	12	V439G
	8-0	●	20		12	V547G
	8-0	●	30		12	V548G
	7-0	●	45		12	V546G

▼ **3/8 Circle MICROPOINT\* Reverse Cutting Needles**

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
GS-13 	6,2 mm	10-0	●	30	Monofilament	12 EMM2830G
G-6 	8 mm	6-0	●	45		12 W9537
G-1 	11 mm	6-0	●	45		12 V554G
G-3 	13 mm	5-0	●	45		12 V557G

# VICRYL\*

(Polyglactin 910) Braided and Monofilament

3/8 Circle CS ULTIMA* Spatula						
Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
UCS-35	6,2 mm	10-0	●	15 MONOFILAMENT	12	V429G

1/8 Circle CS ULTIMA* Spatula						
Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
CS44-6	6,5 mm	10-0	●	10 MONOFILAMENT	12	V965

3/8 Circle Spatula Needles						
Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
SPAT-10	11 mm	5-0	○	45	12	W9761

1/2 Circle Spatula Needles						
Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
S-22	6-0	●	45		12	W9566
	6-0	○	45		12	W9756
	5-0	●	45		12	W9567

1/4 Circle Spatula Needles						
Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
S-4	4-0	●	45		12	V572G
S-29	6-0	●	45	Slim needle	12	V555G
S-14	6-0	●	45		12	V570G
	6-0	●	45	VISI-BLACK*	12	V575G
	6-0	○	45		12	V670G
	6-0	●	20		12	W9562
	5-0	●	45	VISI-BLACK*	12	V577G
	5-0	●	45		12	V571G
	5-0	○	45		12	V671G



### 3/8 Circle Taper Point Needles

Needle	Gauge	Color	Length (cm)	Other information	Number per box	Code
BV-6	4,8 mm	10-0	10	Monofilament	12	V970G
BV-4	4,9 mm	10-0	15	Monofilament	12	V971G
BV130-5	6,5 mm	9-0	15	Monofilament	12	V239G
		8-0	20		12	V400G
BV-1	9,3 mm	8-0	30		12	W9577
		6-0	45		12	V301G
JBB	17 mm	4-0	75	VISI-BLACK*	36	JV2024
		3-0	75	VISI-BLACK*	36	JV2025

### Ligatures

	Gauge	Color	Length (cm)	Other information	Number per box	Code
LIGAPAK*	4-0	●	250	Reel	12	V1204G
	3-0	●	250	Reel	12	V1205G
	2-0	●	250	Reel	12	V1206G
	0	●	250	Reel	12	V1207G
	1	●	250	Reel	12	V1208G
	4-0	●	125	Reel	12	V204G
	3-0	●	125	Reel	12	V205G
	2-0	●	125	Reel	12	V206G
	0	●	125	Reel	12	V207G
SUTUPAK*	3-0	●	140		36	V614H
	2-0	●	140		36	V615H
	0	●	140		36	V616H
	1	●	140		36	V617H
	2	●	140		36	V618H
SUTUPAK*	4-0	●	2x70		24	V623E
	3-0	●	2x70		24	V624E
	3-0	○	2x70		24	V652E
	2-0	●	2x70		24	V625E
	2-0	○	2x70		24	V653E
	0	●	2x70		24	V626E
	0	○	2x70		24	V654E
	1	●	2x70		36	V627H
	2	●	2x70		36	V628H

**VICRYL\***

(Polyglactin 910) Braided and Monofilament

**Ligatures**

	Gauge	Color	Length (cm)	Other information	Number per box	Code
SUTUPAK*	5-0	●	3x45		36	V632H
	5-0	○	3x45		36	V642H
	4-0	●	3x45		36	V633H
	4-0	○	3x45		36	V643H
	3-0	●	3x45		36	V634H
	3-0	○	3x45		36	V644H
	2-0	●	3x45		36	V635H
	2-0	○	3x45		36	V645H
	0	●	3x45		24	V636E
	1	●	3x45		24	V637E
	1	○	3x45		24	V647E
	2	●	3x45		36	V638H
SUTUPAK*	4-0	●	5x70		24	V1214E
	3-0	●	5x70		24	V1215E
	2-0	●	5x70		24	V1216E
	0	●	5x70		24	V1217E
	0	○	5x70		24	V965E
	1	●	5x70		36	V1218H
	2	●	5x70		36	V1219H
SUTUPAK*	5-0	●	6x45		36	V1223H
	4-0	●	6x45		36	V1224H
	3-0	●	6x45		36	V1225H
	3-0	○	6x45		36	V978H
	2-0	●	6x45		36	V1226H
	0	●	6x45		24	V1227E
	1	●	6x45		24	V1228E
	2	●	6x45		36	V1229H
SUTUPAK*	4-0	●	12x45		36	V903H
	3-0	●	12x45		36	V904H
	3-0	○	12x45		36	V910H
	2-0	●	12x45		24	V905E
	2-0	○	12x45		24	V911E
	0	●	12x45		24	V906E
	0	○	12x45		24	V912E
	1	●	12x45		24	V907E

# VICRYL® Plus

(Polyglactin 910) Antibacterial Suture



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

# VICRYL® Plus

(Polyglactin 910) Braided Antibacterial

## SUTURE

### Description:

Braided	For easy handling and secure knot tying.
Coated	For smooth passage through tissue and easy knot tie down.
Synthetic	For minimal tissue reaction.
Absorbable	By hydrolysis. Essentially complete in 56-70 days.

### Tensile strength: Post implantation      Approximate % original strength remaining

14 days	75%
21 days	50%
28 days	25%

### Color:

Violet or undyed.

### Range:

5-0 to 2 (USP). Supplied as needled sutures and ligatures.

### Indications:

VICRYL® Plus sutures are intended for use in soft tissue approximation and/or ligation, including use in microsurgery for vessels less than 2 mm in diameter. The safety and effectiveness of VICRYL® Plus sutures in cardiovascular tissue, ophthalmic surgery and neurological tissue have not been established. Typical areas of use include:

- Fascia closure - due to the 28-day claim
- Subcutaneous fat
- Joint capsule
- Uterus

### Protection against bacterial colonization

In vitro studies demonstrate, that VICRYL® Plus suture has a zone of inhibition that is effective against the pathogens that most frequently cause surgical site infection, including *Staphylococcus aureus*, methicillin resistant *Staphylococcus aureus* (MRSA), *Staphylococcus epidermidis* and methicillin resistant *Staphylococcus epidermidis* (MRSE).

Full details in the Instruction for Use included in every package.





### 1/2 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
RB-2	4-0	○	70		36	VCP434H
TF	5-0	●	70		36	VCP925H
	4-0	●	70		36	VCP924H
RB-1	5-0	●	70		36	VCP303H
	4-0	●	70		36	VCP304H
	4-0	○	70		36	VCP214H
	3-0	●	70		36	VCP305H
	3-0	○	70		36	VCP215H
SH-1	4-0	●	70		36	VCP310H
	4-0	○	70		36	VCPV426H
	4-0	●	8x45	CONTROL RELEASE*	24	VCP794E
	3-0	●	70		36	VCP311H
	3-0	○	70		36	VCP219H
	2-0	●	70		36	VCP312H
	2-0	○	70		36	VCP220H
JB-1 VISI-BLACK	4-0	●	70	VISI-BLACK*	36	VCP3100H
	3-0	●	70	VISI-BLACK*	36	VCP3110H
SH	4-0	●	70		36	VCP315H
	3-0	●	70		36	VCP316H
	3-0	○	70		36	VCP416H
	3-0	●	90		36	VCP242H
	3-0	●	8x70	CONTROL RELEASE*	24	VCP784E
	2-0	●	70		36	VCP317H
	2-0	○	70		36	VCP224H
	2-0	●	90		36	VCP243H
	0	●	70		36	VCP318H
JB VISI-BLACK	3-0	●	70	VISI-BLACK*	36	VCP3160H
	3-0	○	70	VISI-BLACK*	36	VCPV4416H
	3-0	●	8x45	CONTROL RELEASE*	24	VCP7740E
	3-0	●	8x70	CONTROL RELEASE*	24	VCP7840E
	2-0	●	70	VISI-BLACK*	36	VCP3170H
	2-0	●	8x45	CONTROL RELEASE*	24	VCP7750E
MH-1	3-0	●	70		36	VCP245H
	2-0	●	70		36	VCP246H
	0	●	70		36	VCP247H
MH	3-0	●	70		36	VCP322H
	3-0	●	90		36	VCP100H
	2-0	●	70		36	VCP323H
	0	●	70		36	VCP324H
	0	●	90		36	VCP102H



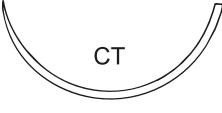
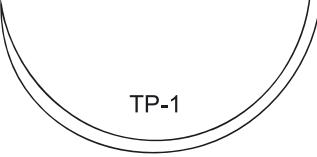
# VICRYL® Plus

(Polyglactin 910) Braided Antibacterial



## 1/2 Circle Taper Point Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
UCLX 	3-0	●	70		36	VCPV13H
	2-0	●	70		36	VCP14H
	0	●	70		36	VCP15H
MO-7 	1	●	70		36	VCP250H
	2	●	70		36	VCP251H
CT-3 	3-0	●	70		36	VCPV327H
	0	●	70		36	VCP329H
CT-2 	3-0	●	70		36	VCPV332H
	2-0	●	70		36	VCP333H
	2-0	●	90		36	VCP326H
	2-0	○	70		36	VCPV269H
	0	●	70		36	VCP334H
	0	○	70		36	VCP270H
	0	●	90		36	VCP330H
	0	●	8x45	CONTROL RELEASE*	24	VCP744E
	1	●	70		36	VCP335H
	2	●	70		36	VCP336H
MO-5 	0	●	70		36	VCP9215H
	1	●	90		36	VCP253H
CT-1 	3-0	●	70		36	VCP338H
	3-0	○	90		36	VCPV944H
	2-0	●	70		36	VCP339H
	2-0	●	90		36	VCP345H
	2-0	●	90		36	VCP945H
	0	●	70		36	VCP340H
	0	●	90		36	VCP346H
	0	○	90		36	VCP946H
	0	●	8x45	CONTROL RELEASE*	12	VCP740G
	1	●	70		36	VCP341H
	1	●	90		36	VCP347H
	1	●	4x70	CONTROL RELEASE*	12	VCP736G
	1	●	8x45	CONTROL RELEASE*	12	VCP741G
	2	●	90		36	VCP348H
	2	○	90		36	VCPV948H
MO-4 	2	●	4x70	CONTROL RELEASE*	12	VCP737G
	2	●	8x45	CONTROL RELEASE*	12	VCP742G
36 mm	1	●	90		36	VCP437H
	2	●	90		36	VCP438H

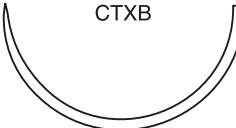
1/2 Circle Taper Point Needles (Heavier Wire Diameter)						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 CT 40 mm	3-0	●	70		36	VCPV350H
	2-0	●	70		36	VCP351H
	0	●	70		36	VCP352H
	0	●	90		36	VCP358H
	1	●	70		36	VCP353H
	1	●	90		36	VCP359H
	1	●	8x45	CONTROL RELEASE*	12	VCP753G
	2	●	90		36	VCP360H
	2	●	8x45	CONTROL RELEASE*	12	VCP754G
	1	●	70		36	VCP9245H
 MO-45 45 mm	2	●	70		36	VCP9246H
	2-0	●	70		36	VCP363H
	0	●	90		36	VCP370H
	1	●	70		36	VCP365H
	1	●	90		36	VCP371H
	1	○	90		36	VCP366H
	1	●	8x45	CONTROL RELEASE*	12	VCP765G
	2	●	90		36	VCP372H
	2	○	90		36	VCP367H
	2	●	4x70		6	VCP649
 TP-1 65 mm	2-0	●	70		12	VCP581G
	1	●	90		12	VCP5891G
 XLH 70 mm						



# VICRYL® Plus

(Polyglactin 910) Braided Antibacterial

## 1/2 Circle ETHIGUARD® Blunt Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CTB-1 	36 mm	1	90		36	VCP9995H
CTB 	40 mm	0	90		36	VCP9996H
		1	90		36	VCP9997H
BT-3 	45 mm	2	90		36	VCP9999H
CTXB 	48 mm	1	90		36	VCP9991H

## 5/8 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
UR-6 	26 mm	2-0	70		36	VCP602H
		0	70		36	VCP603H
UR-5 	36 mm	2-0	70		36	VCP375H
		0	70		36	VCP376H

## Fish Hook Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-38 	31 mm	1	70	TAPERCUT*	36	VCP9335H
ASH-35 	35 mm	0	70		36	VCP9221H



### 1/2 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-5 	4-0	●	70		36	VCP994H
	3-0	●	70		36	VCP276H
	1	●	70		36	VCP988H
V-6 	2-0	●	70		36	VCP278H
	3-0	●	70		36	VCP998H
V-7 	2-0	●	70		36	VCP999H
	0	●	70		36	VCP279H
	2-0	●	70		36	VCP9360H
V-30 	0	●	70		36	VCP9361H
	3-0	●	90		36	VCP516H
	2-0	●	90		36	VCP517H
	0	●	90		36	VCP518H
	1	●	90		36	VCP519H
V-34 	2	●	90		36	VCP520H
	0	○	70		36	VCP9901H
	0	●	90		36	VCPW9467H
	1	●	70		36	VCP9377H
	2-0	●	90		36	VCP5020H
V-37 	1	●	150	LOOP	24	VCP829E
	0	●	150	LOOP	24	VCP829E
V-39 	1	●	70		36	VCP9377H
	48 mm					
V-40 	2-0	●	90		36	VCP5020H
	1	●	150	LOOP	24	VCP829E



### 3/8 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-4 	4-0	○	70		36	VCP240H

# VICRYL® Plus

(Polyglactin 910) Braided Antibacterial

## 1/2 Circle Reverse Cutting Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
J-1	4-0	●	75		36	VCPJV457H
X-1	3-0	●	45		36	VCP460H
	3-0	○	70		36	VCP458H
	2-0	○	70		36	VCP459H
OS-4	0	○	70	Heavy Needle	36	VCP694H
	1	○	70	Heavy Needle	36	VCP695H
	2	●	70	Heavy Needle	36	VCP9287H
CP-2	2-0	●	70		36	VCP969H
	0	●	70		36	VCP974H
CP-1	2-0	●	70		36	VCP466H
	2-0	○	90		36	VCP1472H
	0	●	70		36	VCP467H
	0	●	90		36	VCP473H
	1	●	70		36	VCP468H
	1	●	90		36	VCP474H
	2	●	90		36	VCP482H
CP	2-0	●	90		36	VCPJV484H
	0	●	70		36	VCP479H
	0	●	90		36	VCP485H
	1	●	70		36	VCP480H
	1	●	90		36	VCP486H
CPX	0	●	70		36	VCP9295H
	0	●	90		36	VCPV1057H
	1	●	90		36	VCP1058H
	2	●	90		36	VCP1059H

## 3/8 Circle Reverse Cutting PRIME\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
P-3	5-0	○	45	MULTIPASS*	36	MPVCP493H
	5-0	○	45		36	VCP493H
	4-0	○	45	MULTIPASS*	36	MPVCP494H
	4-0	○	45		36	VCP494H
PS-3	5-0	○	45	MULTIPASS*	36	MPVCP500H
	5-0	○	45		36	VCP500H
PS-2	4-0	○	45	MULTIPASS*	36	MPVCP496H
	4-0	○	45		36	VCP496ZH
	3-0	○	45	MULTIPASS*	36	MPVCP497H
	3-0	○	45		36	VCP497H
PS-2 S	4-0	○	45	Slimmed	36	VCP496H

### 3/8 Circle Reverse Cutting PRIME\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 PS-1	3-0	○	45		36	VCP683H
	3-0	○	45	MULTIPASS*	36	MPVCP683H
	2-0	○	45		36	VCP684H

### 3/8 Circle Reverse Cutting Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 FS-2	5-0	○	45		36	VCP291H
	5-0	●	45		36	VCP391H
	4-0	○	45		36	VCP292ZH
	4-0	●	45		12	VCP392ZG
	4-0	●	45		36	VCP392ZH
	4-0	○	70		36	VCP422H
	4-0	●	70		36	VCP397H
	3-0	○	45		36	VCP293H
	3-0	●	45		36	VCP393H
	3-0	○	70		36	VCP423H
	3-0	●	70		36	VCP398H
 FS-2S	4-0	○	45	Slimmed	36	VCP292H
	4-0	●	45	Slimmed	36	VCP392H
 FS-1	4-0	○	70		36	VCP441H
	4-0	●	70		36	VCP451H
	3-0	○	70		36	VCP442H
	3-0	●	70		36	VCP452H
	2-0	○	70		36	VCP443H
	2-0	●	70		36	VCP453H
 FSL	3-0	●	70		36	VCP585H
	2-0	○	70		36	VCP589H
	2-0	●	70		36	VCP586H
	0	●	70		36	VCP587H

### 3/8 Circle Conventional Cutting PRIME\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 PC-3	5-0	○	45		36	VCP9505H
	4-0	○	45		36	VCP9506H

### Straight Cutting Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
KS	3-0	○	70		36	VCP663H



**VICRYL® Plus**  
**(Polyglactin 910) Braided Antibacterial**

**Ligatures**

	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
SUTUPAK*	4-0	●	2X70		24	VCPV623T
	3-0	●	2x70		24	VCP624E
	2-0	●	2x70		24	VCP625E
	0	●	2x70		24	VCP626E
	1	●	2x70		36	VCP627H
	2	●	2x70		36	VCP628H
SUTUPAK*	4-0	●	3x45		36	VCP633H
	4-0	○	3x45		36	VCPV643H
	3-0	●	3x45		36	VCP634H
	2-0	●	3x45		36	VCP635H
	0	●	3x45		24	VCP636E
	1	●	3x45		24	VCP637E
	2	●	3x45		36	VCP638H
SUTUPAK*	4-0	●	5x70		24	VCP1214E
	3-0	●	5x70		24	VCP1215E
	2-0	●	5x70		24	VCP1216E
	0	●	5x70		24	VCP1217E
	1	●	5x70		36	VCP1218H
	2	●	5x70		36	VCP1219H
SUTUPAK*	4-0	●	6x45		36	VCP1224H
	3-0	●	6x45		36	VCP1225H
	2-0	●	6x45		36	VCP1226H
	0	●	6x45		24	VCP1227E
	1	●	6x45		24	VCP1228E
	2	●	6x45		36	VCP1229H

# PDS\* II

(Polydioxanone) Suture



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

# PDS\* II

(Polydioxanone) Monofilament

## SUTURE

### Description:

Monofilament	For smooth passage through tissue.
Synthetic	For minimal tissue reaction.
Absorbable	By hydrolysis. Essentially complete in 182-238 days.

### Tensile strength: Post implantation

	Approximate % original strength remaining
--	-------------------------------------------

14 days	80% (3-0 and larger) 60% (4-0 and smaller)
28 days	70% (3-0 and larger) 40% (4-0 and smaller)
42 days	60% (3-0 and larger) 35% (4-0 and smaller)

### Color:

Violet or undyed.

### Range:

7-0 to 2 (USP). Supplied as needled sutures and ligatures.

### Indications:

PDS\* II sutures are intended for use in general soft tissue approximation, including use in pediatric cardiovascular tissue, in microsurgery and in ophthalmic surgery. PDS\* II sutures are particularly useful where the combination of an absorbable suture and extended wound support is desirable. Typical areas of use include:

- Abdominal wall closure
- Intestinal anastomoses
- Ligament and tendon repair

Full details in the Instruction for Use included in every package.



1/2 Circle Taper Point Needles							
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
TF-6 TF-6	6-0 mm	7-0	●	70	24	Z1370E	
TF-1 TF-1	10 mm	6-0	●	70	24	PUU2971E	
RB-2 RB-2	13 mm	6-0	●	70	36	Z866H	
		5-0	●	70	36	Z867H	
TF	13 mm	6-0	●	70	36	Z926H	
		5-0	●	70	36	Z925H	
		4-0	●	70	36	Z924H	
TF TF	13 mm	5-0	●	70	36	Z935H	
RB-1	17 mm	5-0	●	70	36	Z303H	
		4-0	●	70	36	Z304H	
		3-0	●	70	36	Z305H	
RB-1 RB-1	17 mm	5-0	●	90	36	W9108H	
		4-0	●	70	36	Z864H	
		4-0	●	90	36	W9109H	
SH-1	22 mm	4-0	●	70	36	Z310H	
		3-0	●	70	36	Z311H	
SH-1 SH-1	22 mm	4-0	●	70	36	Z1310H	
		3-0	●	70	36	Z1311H	
JB-1	22 mm	4-0	●	70	VISI-BLACK*	36	Z3100H
VISI-BLACK		4-0	●	4x70	CONTROL RELEASE*	12	X1154G
		3-0	●	70	VISI-BLACK*	36	Z3110H
JB-1 JB-1	22 mm	4-0	●	75	VISI-BLACK*	36	Z1312H
VISI-BLACK							
SH	26 mm	4-0	●	70		36	Z315H
		3-0	●	70		36	Z316H
		2-0	●	70		36	Z317H
SH SH	26 mm	3-0	●	70		36	Z1316H
		2-0	●	90		36	Z528H
JB	26 mm	3-0	●	70	VISI-BLACK*	36	Z3160H
VISI-BLACK		2-0	●	70	VISI-BLACK*	36	Z3170H
JB JB	26 mm	4-0	●	90	VISI-BLACK*	24	X976E
VISI-BLACK		3-0	●	90	VISI-BLACK*	36	Z5270H
MH-1	31 mm	3-0	●	70		36	W9132H
		2-0	●	150	Loop	36	PV2924SH
MH	36 mm	3-0	●	70		36	Z322H
		2-0	●	70		36	Z323H



**1/2 Circle Taper Point Needles (Heavier Wire Diameter)**

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
UCL 	3-0	●	70		36	Z113H
	2-0	●	70		36	Z114H
UCLX 	3-0	●	70		36	Z13H
	2-0	●	70		36	Z14H
	0	●	70		36	Z15H
CT-3 	2-0	●	70		36	Z328H
	0	●	70		36	Z329H
CT-2 	2-0	●	70		36	Z333H
	0	●	70		36	Z334H
	1	●	70		36	Z335H
CT-1 	3-0	●	70		36	Z338H
	2-0	●	70		36	Z339H
	2-0	●	150		12	Z1927G
	0	●	70		36	Z340H
	1	●	70		36	Z341H
MO-2 	0	●	150	Loop	24	W9236T
	1	●	150	Loop	24	W9237T
CT 	2-0	●	90		24	Z357E
	0	●	90		24	Z358E
	1	●	90		24	Z359E
CTX 	0	●	90		24	Z370E
	0	●	150		12	Z1926G
	0	●	150	Loop	12	PN2925SG
	0	●	150	Loop	24	W9261T
	1	●	90		24	Z371E
	1	●	150	Loop	24	W9262T
	1	●	240	Loop	12	XN9263G
TP-1 	0	●	150	Loop	12	PS2925SG
	1	●	150		12	PS2926G
XLH 	0	●	70		12	Z582G

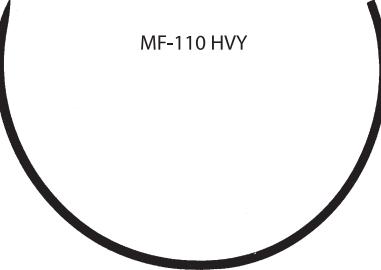
 **1/2 Circle ETHIGUARD\* Blunt Point Needles**

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 BT-3	45 mm	1	90		24	W9965T
 CTXB	48 mm	0	150	Loop	24	W9966T
		1	150	Loop	24	W9967T

 **3/8 Circle Taper Point Needles**

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 BV175-8 <b>VISI-BLACK</b>	9,3 mm	7-0	70	VISI-BLACK*	24	Z161E
 BV-1	9,3 mm	7-0	70		24	Z1701E
		6-0	70		36	Z1702H
 BV	11 mm	6-0	70		36	Z1002H
 C-1	13 mm	6-0	70		36	Z1012H
		5-0	70		36	Z1013H
 C-1	13 mm	7-0	45		24	W9095T
		6-0	70		36	Z1721H
		5-0	70		36	Z1722H
 BB	17 mm	5-0	90		24	KCC2992E

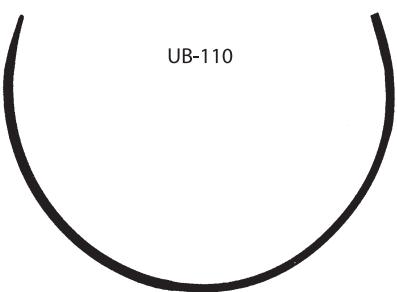
 **5/8 Circle Taper Point Needles**

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 UR-6	26 mm	2-0	70		36	VC2973H
 UR-6	26 mm	3-0	70		24	Z605E
 MF-110 HVY	110 mm	0	150	Loop	12	W9168

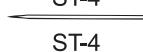
# PDS® II

(Polydioxanone) Monofilament

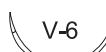
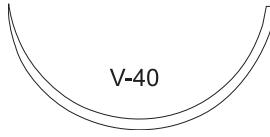
## ◎ 5/8 Circle ETHIGUARD® Blunt Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
UB-110 	0	●	240	Loop	12	W9968

## ◎ Straight Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
ST-4 	5-0	●	35		36	BA2932H
ST-4 ST-4 	4-0	●	35		24	Z620E
STA 	0	●	70		24	Z630E

## ◎ 1/2 Circle TAPERCUT® Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-5 	5-0	●	70		36	Z995H
	4-0	●	70		36	Z994H
	3-0	●	70		36	Z276H
	2-0	●	70		36	Z274H
V-6 	4-0	●	70		36	Z275H
	3-0	●	70		36	Z277H
V-7 	4-0	●	70		36	Z997H
	3-0	●	70		36	Z998H
	2-0	●	70		36	Z999H
V-34 	2-0	●	70		36	W9380H
	0	●	90		36	W9381H
	1	●	90		24	W9352T
V-37 	0	●	150	Loop	24	Z1932E
V-40 	0	●	150	Loop	12	OF2923SG

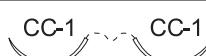


### 5/8 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 V-42	63 mm	1	●	150 Loop	12	OT2924SG



### 3/8 Circle CC-Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 CC	9,3 mm	7-0	●	70	24	Z1751E
 CC - CC	9,3 mm	7-0	●	70	24	Z1711E
		6-0	●	70	36	Z1712H
 CC-1 - CC-1	13 mm	6-0	●	70	36	Z1032H
		5-0	●	70	24	Z1033E



### 3/8 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 V-18	13 mm	6-0	●	70	36	Z991H
		5-0	●	70	36	Z990H

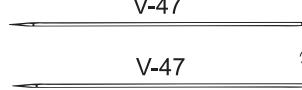


### Fish hook TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 V-38	31 mm	0	●	70	24	W9333T
		1	●	70	24	W9334T



### Straight TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-47 	38 mm	4-0	●	35	24	Z425E

## PDS® II

(Polydioxanone) Monofilament

### ▼ 1/2 Circle Reverse Cutting Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
OS-4	22 mm	1	70	Heavy Needle	24	W9286T
X-1	22 mm	3-0	70		24	Z458E
CP-2	26 mm	2-0	70		36	Z969H
		0	70		36	Z983H
		1	70		36	Z984H
CP-1	36 mm	2-0	70		36	Z466H
		0	70		36	Z467H
		1	70		36	Z468H
CP	40 mm	0	90		24	Z485E
		1	90		24	W9324T
		2	70		24	MH2976E
CPX	48 mm	0	90		24	Z1057E
		1	90		24	Z1058E

### ▼ 3/8 Circle Reverse Cutting PRIME\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
P-1	11 mm	6-0	45		36	Z487H
		6-0	45		24	Z489E
		6-0	45	MULTIPASS*	36	MPZ489H
		5-0	45		24	Z490E
P-3	13 mm	5-0	45		36	Z463H
		5-0	45		24	Z493E
		5-0	45	MULTIPASS*	36	MPZ493H
		4-0	45		36	Z464H
		4-0	45		24	Z494E
		4-0	45	MULTIPASS*	36	MPZ494H
PS-3	16 mm	5-0	45	MULTIPASS*	36	MPZ500H
		5-0	45		24	W9872T
		4-0	45	MULTIPASS*	36	MPZ501H
		4-0	45		24	W9873T
PS-2	19 mm	4-0	45		24	W9874T
		4-0	45	MULTIPASS*	36	MPZ496H
		3-0	45	MULTIPASS*	36	MPZ497H
		3-0	45		24	Z497E

<b>▼ 3/8 Circle Reverse Cutting PRIME* Needles</b>							
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
PS-2 S	19 mm	4-0	○	45	Slimmed	24	Z496E
		4-0	●	45	Slimmed	36	Z513H
PS-1	24 mm	4-0	○	45	MULTIPASS*	36	MPZ682H
		3-0	○	45	MULTIPASS*	36	MPZ683H
		3-0	○	45		24	Z683E
		2-0	○	45		24	Z684E
PS	26 mm	2-0	○	45	MULTIPASS*	36	MPZ9626H
		2-0	○	70		24	W9626T

<b>▼ 3/8 Circle Reverse Cutting Needles</b>							
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
FS-2	19 mm	5-0	○	70		24	Z421E
		4-0	●	30	Loop	36	Z282H
		3-0	○	45		24	Z293E
		3-0	○	70		24	Z423E
FS-2S	19 mm	4-0	○	45	Slimmed	24	Z292E
		4-0	○	70	Slimmed	24	Z422E
FS-1	24 mm	4-0	○	70		24	Z441E
		3-0	●	70		36	Z452H
		3-0	○	70		24	Z442E
		2-0	○	70		24	Z443E

<b>▲ 3/8 Circle Conventional Cutting PRIME* Needles</b>							
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
PC-1	13 mm	6-0	○	45		24	W9861T
PCLX	36 mm	2-0	○	70		24	W9631T

<b>▼ 1/2 Circle Reverse Cutting PRIME* Needles</b>							
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
P-2	8 mm	5-0	●	45		36	JG2942H

# PDS\* II

(Polydioxanone) Monofilament

## ▼ Straight Cutting Needles

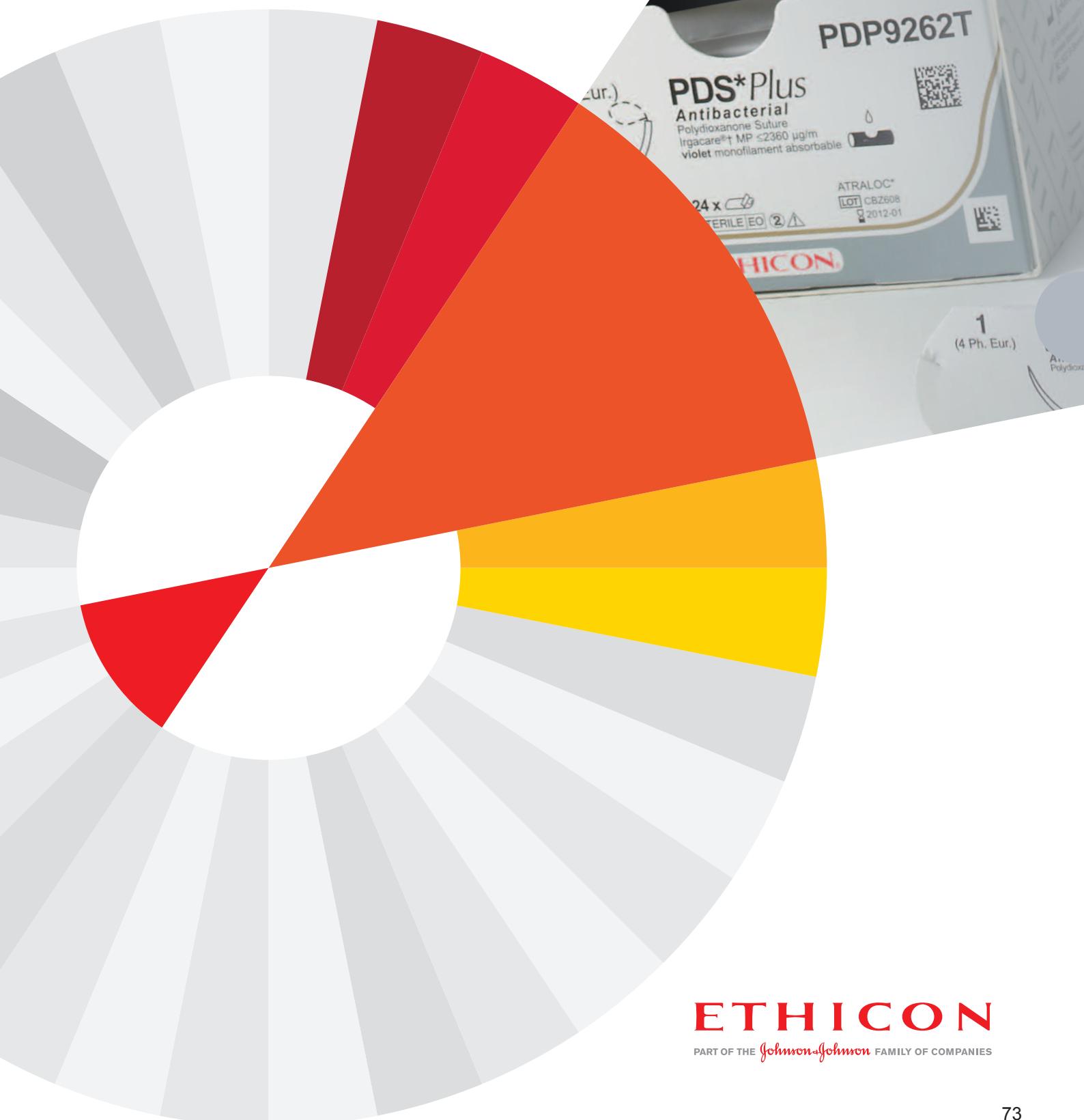
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
KS 	4-0	○	70		36	Z662H
	3-0	○	70		36	Z663H
	2-0	○	70		36	Z664H

## Ligatures

	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
SUTUPAK*	2-0	●	2x70		36	Z625H
	0	●	2x70		24	Z626E
	1	●	2x70		24	Z627E

# PDS\* Plus

(Polydioxanone) Antibacterial Monofilament



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

# PDS\* PLUS

(Polydioxanone) Antibacterial Monofilament

## SUTURE

### Description:

Monofilament	For smooth passage through tissue.
Synthetic	For minimal tissue reaction.
Absorbable	By hydrolysis. Essentially complete in 182-238 days.

### Tensile strength: Post implantation      Approximate % of original strength remaining

14 days	80% (3-0 and larger) 60% (4-0 and smaller)
28 days	70% (3-0 and larger) 40% (4-0 and smaller)
42 days	60% (3-0 and larger) 35% (4-0 and smaller)

### Color:

Violet or undyed

### Range:

6-0 to 1 (USP). Supplied as needled sutures and ligatures.

### Indications:

PDS\* Plus Antibacterial Sutures are intended for use in general soft tissue approximation, including in paediatric cardiovascular tissue, and in ophthalmic surgery (other than contact with cornea and sclera). PDS\* Plus Antibacterial Sutures are particularly useful where the combination of absorbable suture and extended wound support is desirable. Typical areas of use include:

- Abdominal wall closure
- Intestinal anastomoses
- Ligament and tendon repair

### Protection against bacterial colonization

In vitro studies demonstrate, that PDS\* Plus Antibacterial Suture has a zone of inhibition that is effective against the pathogens that most frequently cause surgical site infection, including *Staphylococcus aureus*, methicillin resistant *Staphylococcus aureus* (MRSA), *Staphylococcus epidermidis*, methicillin resistant *Staphylococcus epidermidis* (MRSE), *E. coli* and *Klebsiella pneumoniae*.

Full details in the Instruction for Use included in every package.





### 1/2 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
TF-1	10 mm	6-0	70		36	PDP2971H
RB-2	13 mm	5-0	70		36	PDP9201H
TF	13 mm	6-0	70		36	PDP926H
		5-0	70		36	PDP925H
		4-0	70		36	PDP924H
RB-1	17 mm	5-0	70		36	PDP303H
		4-0	70		36	PDP304H
		3-0	70		36	PDP305H
RB-1	17 mm	4-0	70		36	PDP864H
RB-1	17 mm	5-0	70	VISI-BLACK*	36	PDP3060H
SH-1	22 mm	4-0	70		36	PDP310H
		3-0	70		36	PDP311H
SH-1	22 mm	4-0	70		36	PDP1310H
		3-0	70		36	PDP1311H
JB-1	22 mm	4-0	70	VISI-BLACK*	36	PDP3100H
JB-1	22 mm	4-0	70	VISI-BLACK*	36	PDP1312H
SH	26 mm	4-0	70		36	PDP315H
		3-0	70		36	PDP316H
		2-0	70		36	PDP317H
JB	26 mm	3-0	70	VISI-BLACK*	36	PDP3160H
		2-0	70	VISI-BLACK*	36	PDP3170H
JB	26 mm	4-0	90	VISI-BLACK*	36	PDP976H
		3-0	90	VISI-BLACK*	36	PDP5270H



### 1/2 Circle Taper Point Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
UCLX	16 mm	0	70		36	PDP15H
CT-3	22 mm	2-0	70		36	PDP328H
		0	70		36	PDP329H
CT-2	26 mm	2-0	70		36	PDP333H
		0	70		36	PDP334H
		1	70		36	PDP335H
CT-1	36 mm	3-0	70		36	PDP338H
		2-0	70		36	PDP339H
		0	70		36	PDP340H
		0	90		36	PDPL955H
		1	70		36	PDP341H

# PDS\* PLUS

(Polydioxanone) Antibacterial Monofilament



## 1/2 Circle Taper Point Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CT 	2-0	●	90		36	PDP357H
	0	●	90		36	PDP358H
	1	●	90		36	PDP9234H
MO-2 	0	●	150	Loop	24	PDP9236T
	1	●	150	Loop	24	PDP9237T
CTX 	0	●	150		24	PDP1926T
	0	●	150	Loop	24	PDP925ST
	0	●	150	Loop	24	PDP9261T
	0	●	90		36	PDP370H
	1	●	150	Loop	24	PDP9262T
	1	●	90		36	PDP371H
TP-1 	0	●	150	Loop	24	PDPS925ST
	1	●	150		24	PDPS926T



## 1/2 Circle ETHIGUARD\* Blunt Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
BT-3 	45 mm	1	●	90	36	PDP9965H
CTXB 	48 mm	0	●	150	Loop	24
		1	●	150	Loop	24



## 3/8 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
BV-1 	9,3 mm	6-0	●	70	36	PDP1702H
C-1 	13 mm	5-0	●	70	36	PDP1722H



### 1/2 Circle TAPERCUT\* Needles

Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-6	22 mm	3-0	●	70		36	PDP277H
V-7	26 mm	3-0	●	70		36	PDP9179H
		2-0	●	70		36	PDP9184H
V-37	40 mm	0	●	150	Loop	24	PDP1932T
V-40	48 mm	0	●	150	Loop	24	PDP1933T



### Fish hook TAPERCUT\* Needles

Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-38	31 mm	0	●	70		36	PDP9333H
		1	●	70		36	PDP9334H



### 1/2 Circle Reverse Cutting Needles (Heavier Wire Diameter)

Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
X-1	22 mm	3-0	○	70		36	PDP458H
CP-2	26 mm	2-0	●	70		36	PDP969H
		0	●	70		36	PDP983H
		1	●	70		36	PDP984H
CP-1	36 mm	2-0	●	70		36	PDP466H
		0	●	70		36	PDP467H
		1	●	70		36	PDP468H
CP	40 mm	0	●	90		36	PDP485H
CPX	48 mm	0	●	90		36	PDP1057H
		1	●	90		36	PDP9299H

# PDS\* PLUS

(Polydioxanone) Antibacterial Monofilament



## 3/8 Circle Reverse Cutting PRIME\* Needles

Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
P-1	11 mm	5-0	○	45		36	PDP490H
P-3	13 mm	5-0	○	45		36	PDP493H
		5-0	●	45		36	PDP463H
		4-0	○	45		36	PDP494H
PS-2	19 mm	3-0	○	45		36	PDP497H
PS-2 S	19 mm	4-0	○	45	Slimmed	36	PDP496H
PS-1	24 mm	3-0	○	45		36	PDP683H
		2-0	○	45		36	PDP684H



## 3/8 Circle Reverse Cutting Needles

Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
FS-2	19 mm	5-0	○	70		36	PDP421H
		4-0	○	45		36	PDP9950H
		3-0	○	70		36	PDP423H
FS-2S	19 mm	4-0	○	70		36	PDP422H
FS-1	24 mm	4-0	○	70		36	PDP441H
		3-0	○	70		36	PDP442H
		2-0	○	70		36	PDP443H



# PROLENE\*

Monofilament Polypropylene



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

# PROLENE\*

Monofilament Polypropylene

## SUTURE

### Description:

<b>Monofilament</b>	For smooth passage through tissue.
<b>Synthetic</b>	For minimal tissue reaction.
<b>Non-absorbable</b>	Provides permanent tensile strength retention in tissue.

### Color:

Blue or clear.

### Range:

10-0 to 2 (USP). Supplied as needled sutures, armed with, for example, EVERPOINT\* Tungsten-Rhenium needles, VISI-BLACK\* needles, MULTIPASS\* needles or CC-needles. Also available with pledges.

PROLENE\* sutures are also available as HEMO-SEAL\*, with suture diameter to needle diameter ratio close to 1. HEMO-SEAL\* is particularly useful in reducing needle hole leakage (for example in synthetic vascular grafts).

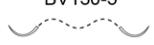
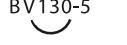
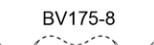
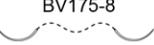
### Indications:

PROLENE\* sutures are intended for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic and neurosurgical procedures. Typical areas of use include:

- Cardiovascular anastomoses
- Subcuticular sutures

Full details in the Instruction for Use included in every package.



3/8 Circle Taper Point Needles							
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
 <b>BV130-5</b> <b>VISI-BLACK</b>	6,5 mm	8-0	●	45	VISI-BLACK*	12	X916G
		8-0	●	60	VISI-BLACK*	12	F1894
		8-0	●	75	VISI-BLACK*	24	EH7459E
		7-0	●	60	VISI-BLACK*	36	8207H
 <b>BV130-5</b> <b>VISI-BLACK</b>	6,5 mm	8-0	●	45	EVERPOINT*	36	EP8730H
		8-0	●	45	MULTIPASS*	24	EH7470E
		8-0	●	45	MULTIPASS*	12	W2777
		8-0	●	60	EVERPOINT*	36	EP8732H
		8-0	●	60	MULTIPASS*	36	KHH5662H
		8-0	●	75	MULTIPASS*	24	EH7469E
		8-0	●	75	Straight pack, MULTIPASS*	12	EH7469LG
		7-0	●	2x75	Straight pack, MULTIPASS*	12	KHL5673JG
 <b>BV130-5</b> <b>VISI-BLACK</b>	6,5 mm	8-0	●	13		12	W2775
		8-0	●	13	EVERPOINT*	12	EP2775G
 <b>BV175-6</b> <b>VISI-BLACK</b>	8 mm	8-0	●	60	VISI-BLACK*	36	8841H
		7-0	●	60	VISI-BLACK*	36	8335H
		7-0	●	2x60	Straight pack, VISI-BLACK*	12	M8935
 <b>BV175-6</b> <b>VISI-BLACK</b>	8 mm	8-0	●	45	MULTIPASS*	36	8740H
		8-0	●	60	EVERPOINT*	36	EP8741H
		8-0	●	60	MULTIPASS*	36	8741H
		7-0	●	60	MULTIPASS*	36	8735H
		7-0	●	60	EVERPOINT*	36	EP8735H
		7-0	●	2x60	EVERPOINT*, Straight pack	12	EPM8737
		7-0	●	2x60	Straight pack, MULTIPASS*	12	M8737G
 <b>BV175-7</b> <b>VISI-BLACK</b>	8 mm	8-0	●	2x60	Straight pack, VISI-BLACK*	12	M8967
 <b>BV175-7</b>	8 mm	7-0	●	60		36	8766H
		7-0	●	2x60	Straight pack	12	M8766
 <b>BV175-8</b> <b>VISI-BLACK</b>	9,3 mm	7-0	●	45	VISI-BLACK*	36	EH7225H
		7-0	●	75	VISI-BLACK*	36	EH7222H
		7-0	●	2x75	Straight pack, VISI-BLACK*	12	MEH7224JG
		7-0	●	4x60	Straight pack, VISI-BLACK*	12	X967G
 <b>BV175-8</b>	9,3 mm	7-0	●	45	EVERPOINT*	36	EP8746H
		7-0	●	45	MULTIPASS*	36	8701H
		7-0	●	60	EVERPOINT*	36	EP8747H
		7-0	●	60	MULTIPASS*	12	W8702

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## 3/8 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
BV175-8 	7-0	●	75	EVERPOINT*	36	EP8755H
	7-0	●	75	MULTIPASS*	36	EH7405H
	7-0	●	4X60	EVERPOINT*, Straight pack	12	EPM8745
	7-0	●	4x60	Straight pack, MULTIPASS*	12	W8702S
	7-0	●	4x75	Straight pack, MULTIPASS*	12	M8702G
BV175-8 	7-0	●	75	MULTIPASS*	36	EH7402H
BV-1  VISI-BLACK	7-0	●	60	VISI-BLACK*	12	W8304
	7-0	●	2x60	VISI-BLACK*, Straight pack	12	KAA5663LG
	6-0	●	60	VISI-BLACK*	12	W8305
	6-0	●	75	VISI-BLACK*	36	EH7223H
BV-1 	7-0	●	60	EVERPOINT*	36	EP8702H
	6-0	●	75	EVERPOINT*	36	EP8709H
	6-0	●	60	EVERPOINT*	36	EP8805H
	6-0	●	75		36	EH7406H
BV-1 	6-0	●	75		36	EH7403H
BV-1 X  VISI-BLACK	7-0	●	75	VISI-BLACK*, Heavier Wire Diameter	36	EH7238H
	6-0	●	75	VISI-BLACK*, Heavier Wire Diameter	36	EH7240H
BV-1 X 	6-0	●	75	Heavier Wire Diameter	36	EH7245H
BV 	6-0	●	75		36	8776H
C-1  VISI-BLACK	6-0	●	45	VISI-BLACK*	36	X577H
	6-0	●	60	VISI-BLACK*	12	W8307
	6-0	●	75	VISI-BLACK*	36	EH7228H
	6-0	●	90	VISI-BLACK*	36	EH7230H
	6-0	●	2x75	Straight pack, VISI-BLACK*	12	MEH7232JG
	5-0	●	75	VISI-BLACK*	36	EH7229H
	5-0	●	90	VISI-BLACK*	36	EH7231H
	5-0	●	2x75	Straight pack, VISI-BLACK*	12	MEH7233JG
C-1 	7-0	●	60		12	W8725
	7-0	●	75		36	8708H
	6-0	●	60		12	W8718
	6-0	●	75		36	8706H
	6-0	●	75	EVERPOINT*	36	EP8706H
	6-0	●	4X75	EVERPOINT*, Straight pack	12	EPM8706
	6-0	●	2x90	Straight pack	12	KBL5690JG
	5-0	●	45		36	8717H
	5-0	●	60		36	KBB5661H
	5-0	●	70	Pledget	12	KBB5671VG
	5-0	●	75		36	EH7477H
	5-0	●	90		36	8720H
	5-0	●	2x90	Straight pack	12	KBL5691JG
	4-0	●	75		36	EH7478H



### 3/8 Circle Taper Point Needles

Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
	13 mm	6-0	●	75	VISI-BLACK*	36	EH7226H
		5-0	●	75	VISI-BLACK*	36	EH7227H
	13 mm	6-0	●	75	EVERPOINT*	36	EP8889H
		6-0	●	75		36	8889H
		5-0	●	75		36	8890H
		4-0	●	75		36	EH7476H
	13 mm	5-0	●	75	VISI-BLACK*, Heavier Wire Diameter	36	EH7257H
	13 mm	5-0	●	75	Heavier Wire Diameter	36	EH7255H
	13 mm	5-0	●	75	Heavier Wire Diameter	36	EH7254H
	17 mm	5-0	●	90		36	8580H
		4-0	●	90		36	8581H
	17 mm	5-0	●	75		36	8880H
		4-0	●	75		36	8881H



### 1/2 Circle Taper Point Needles

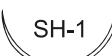
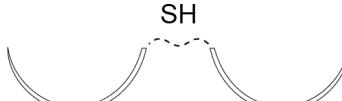
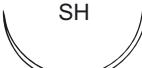
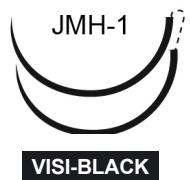
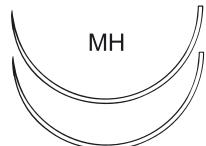
Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
	6,5 mm	7-0	●	45		24	EH7813E
		7-0	●	75		36	PQQ5671H
		6-0	●	45		24	EH7814E
		6-0	●	60		24	PQQ5660E
	10 mm	6-0	●	75		36	EH7835H
		5-0	●	60		36	PUU5662SH
	13 mm	6-0	●	45		36	8714H
		6-0	●	75		36	8711H
		5-0	●	75		36	8710H
		5-0	●	4x75	Straight pack	12	M8710G
	13 mm	6-0	●	75		36	EH7400H
		5-0	●	60		36	8205H
		5-0	●	75		36	EH7401H
		5-0	●	75	2x2 mm firm pledget	36	EH7412H
		4-0	●	90		36	EH7411H
	17 mm	5-0	●	90	VISI-BLACK*	36	VB50H
		4-0	●	90	VISI-BLACK*	36	8357H
	17 mm	5-0	●	90		36	8556H
		4-0	●	90		36	8557H
		3-0	●	90		36	8558H
	17 mm	5-0	●	75		36	8870H
		4-0	●	75		36	8871H
		3-0	●	75		36	8872H

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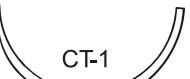


## 1/2 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 VISI-BLACK	22 mm	5-0	●	90 Pledgets, VISI-BLACK*	36	EH8066H
		4-0	●	90 Pledgets, VISI-BLACK*	36	EH8065H
	22 mm	4-0	●	90	36	EH7585H
		3-0	●	90	36	EH7586H
	22 mm	4-0	●	75	36	EH7581H
		3-0	●	75	36	EH7582H
 VISI-BLACK	26 mm	4-0	●	90 VISI-BLACK*	36	EH8087H
		4-0	●	90 Pledgets, VISI-BLACK*	36	EH8062H
		4-0	●	120 VISI-BLACK*	36	X1166H
		3-0	●	90 Pledgets, VISI-BLACK*	36	EH8061H
		3-0	●	90 VISI-BLACK*	36	EH8086H
	26 mm	4-0	●	90	36	8521H
		4-0	●	90 Pledgets, Straight pack	12	EH7190LG
		3-0	●	90	36	8522H
		3-0	●	120	36	EH7584H
		2-0	●	90	36	8523H
	26 mm	4-0	●	75	36	8831H
		3-0	●	75	36	8832H
		2-0	●	75	36	8833H
		0	●	75	36	8834H
 VISI-BLACK	31 mm	3-0	●	120 VISI-BLACK*	36	X1295H
		3-0	●	90 VISI-BLACK*	36	EH8091H
	36 mm	3-0	●	90	36	EH7499H
		3-0	●	120	36	PGG5613H
		2-0	●	90	36	PGG5694H
		2-0	●	120	36	PGG5614H
		0	●	90	36	PGG5695H



## 1/2 Circle Taper Point Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
	26 mm	2-0	●	75	36	8411H
		0	●	75	36	8412H
		1	●	90	36	PK5696H
	36 mm	3-0	●	75	36	8422H
		2-0	●	75	36	8423H
		0	●	75	36	8424H
		1	●	75	36	8425H



### 1/2 Circle Taper Point Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
	0	●	75		36	8434H
	1	●	100		12	W742
	0	●	90		36	PN5695H
	1	●	150	Loop	12	8527G
	0	●	90		24	PNN5695E



### Compound Curve Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
	7-0	●	75		36	EH8000H
	6-0	●	75		36	EH8010H
	5-0	●	75		36	EH8014H



### 5/8 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
	2-0	●	75		36	VC5673H



### Straight Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
	4-0	●	35		36	EH7508H
	3-0	●	35		36	EH7921H
	2-0	●	75		12	W8400

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## 3/8 Circle CC-Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CC175-6 	8 mm 8-0	●	60	VISI-BLACK*	12	W8101
CC / CC175-8 	9,3 mm 8-0	●	60		24	EH7972E
	8-0	●	60	MULTIPASS*	12	W8703
	8-0	●	60	EVERPOINT*	36	EP7972H
	7-0	●	45		36	8705H
	7-0	●	75	EVERPOINT*	36	EP8812SLH
	7-0	●	75	MULTIPASS*	36	8704H
	6-0	●	75	EVERPOINT*	36	EP8811H
	6-0	●	60	EVERPOINT*	36	EP8807H
	6-0	●	60	MULTIPASS*	12	W8807
	5-0	●	60	HEMOSEAL*	12	W8662
CC 	9,3 mm 7-0	●	75		36	EH7970H
CCX 	9,3 mm 7-0	●	75	VISI-BLACK*, Heavier Wire Diameter	36	EH7237H
	6-0	●	75	VISI-BLACK*, Heavier Wire Diameter	36	EH7234H
CCX 	9,3 mm 7-0	●	75	EVERPOINT*	36	EP8812H
	7-0	●	75	Heavier Wire Diameter	36	EH7236H
	6-0	●	75	Heavier Wire Diameter	36	EH7235H
CC-11 	11 mm 6-0	●	60		12	W8802
CC-1 	13 mm 6-0	●	45		36	8719H
	6-0	●	75	MULTIPASS*	36	8707H
	6-0	●	2x75	MULTIPASS*, Straight pack	12	X535G
	5-0	●	75		36	EH7977H
	5-0	●	75	MULTIPASS	36	7475H
	5-0	●	90		36	8721H
CC-1 	13 mm 6-0	●	75		36	EH7975H
	5-0	●	75		36	EH7976H
CC-1 X 	13 mm 5-0	●	75	Heavier Wire Diameter	36	EH7251H



## 3/8 Circle TAPERCUT\* Needle

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
MV-14 MV-14 	5,5 mm 8-0	●	60		24	EH7828E
V-18 V-18 	13 mm 6-0	●	75		36	EH7474H
	5-0	●	75		36	EH7475H
V-18 	13 mm 6-0	●	75		36	EH7471H
	5-0	●	75		36	EH7472H
V-18 X V-18 X 	13 mm 5-0	●	75	Heavier Wire Diameter	36	EH7253H



### 3/8 Circle TAPERCUT\* Needle

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-4 	17 mm	5-0	●	75		36 F2829
		4-0	●	75		36 F2828
		4-0	●	90		36 8925H
V-4 	17 mm	5-0	●	75		36 8941H
		4-0	●	75		36 8942H
		3-0	●	75		36 8943H
V-26 	26 mm	3-0	●	90		36 EH7788H



### 1/2 Circle CC-Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CC-6 	11 mm	7-0	●	60	VISI-BLACK*	12 X1004G
CC-4 	13 mm	6-0	●	75	VISI-BLACK*	36 EH7242H
		5-0	●	75	VISI-BLACK*	36 EH7241H
		5-0	●	2x75	VISI-BLACK*, Straight pack	12 MEH7241JG
CC-4 	13 mm	6-0	●	60	MULTIPASS*	12 W8815
		5-0	●	75		12 W8816
		5-0	●	60	HEMA-SEAL*	12 W8664
		4-0	●	75	HEMA-SEAL*	12 W8665
CC-16 	16 mm	3-0	●	90	HEMA-SEAL*	12 W8667
CC-25 	26 mm	4-0	●	90		12 W8845
CC-30 	31 mm	3-0	●	90		12 W8849



### Compound Curve CC-Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
ACC 	9,3 mm	7-0	●	60	VISI-BLACK*	36 EH8020H
		7-0	●	75	VISI-BLACK*	24 EH8021E
		6-0	●	75	ACC + ACC-1	36 EH8035H
		6-0	●	75	VISI-BLACK*	36 EH8025H
ACC-1 	13 mm	6-0	●	75	VISI-BLACK*	36 EH8030H
		6-0	●	90	VISI-BLACK*	36 EH8031H
		6-0	●	2x75	Straight pack	12 MEH8034JG
		5-0	●	75	VISI-BLACK*	36 EH8036H
		5-0	●	90	VISI-BLACK*	36 EH8037H

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## Compound Curve CC-Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
ACC-1  VISI-BLACK	13 mm	6-0	●	75	VISI-BLACK*	36 EH8032H



## 1/2 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 V-5	5-0	●	90		36	8934H
	4-0	●	90		36	8935H
	4-0	●	90	Straight pack, Pledgets	12	8954G
	4-0	●	2x90	Straight pack	12	OAL5693JG
	3-0	●	90		36	8936H
	2-0	●	90		36	8937H
 V-5	5-0	●	75		36	8951H
	4-0	●	75		36	8952H
	3-0	●	75		36	8953H
 V-6	4-0	●	90		36	EH7774H
	3-0	●	90		36	EH7775H
 V-6	2-0	●	75		36	EH7772H
 V-7	4-0	●	90		36	8975H
	4-0	●	120		36	F2840
	3-0	●	90		36	8976H
	3-0	●	90	Pledgets	36	OBB5694SH
	3-0	●	2x90	Straight pack	12	OBL5694JG
	3-0	●	120		36	EH7778H
	2-0	●	90		36	8977H
	2-0	●	4x90	Straight pack, Pledgets	12	OBL5595LG
	2-0	●	4x90	Straight pack	12	OBL5695LG
	2-0	●	120		36	EH7779H
 V-7	0	●	120		36	OBB5616H
	4-0	●	75		36	8962H
	3-0	●	75		36	8963H
 V-34	2-0	●	75		36	8964H
	2-0	●	75		36	8443H
	0	●	75		36	8444H



## Compound Curve TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
DA-3  VISI-BLACK	9,3 mm	7-0	●	45	VISI-BLACK*	12 18541G
DA-2  VISI-BLACK	13 mm	6-0	●	45	VISI-BLACK*	12 18543G



### Straight TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-47 	38 mm	4-0	●	35		36 8592H
V-47 						



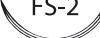
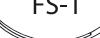
### 3/8 Circle Reverse Cutting PRIME\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
P-6 	8 mm	7-0	●	45		36 8648H
		6-0	●	45		24 W8000T
P-1 	11 mm	7-0	●	75	MULTIPASS*	36 MPP2854H
		6-0	●	45		36 8697H
		6-0	●	45	MULTIPASS*	36 MPP8697H
P-3 	13 mm	6-0	●	45		36 8695H
		6-0	●	45	MULTIPASS*	36 MPP8695H
		5-0	●	45		36 8698H
		5-0	●	45	MULTIPASS*	36 MPP8698H
		5-0	○	75	MULTIPASS*	36 MPP2858H
		4-0	●	45		36 8699H
		4-0	●	45	MULTIPASS*	36 MPP8699H
		4-0	○	45		36 JA5742H
		4-0	○	45	MULTIPASS*	36 MPP8604H
PS-3 	16 mm	6-0	●	75	MULTIPASS*	36 MPP2832H
		5-0	●	45		36 8681H
		5-0	●	45	MULTIPASS*	36 MPP8681H
		4-0	●	45		36 EH7764H
		4-0	●	45	MULTIPASS*	36 MPP7764H
PS-2 	19 mm	5-0	●	45		24 W8014T
		5-0	●	45	MULTIPASS*	36 MPP8686H
		4-0	●	45		24 W8015T
		4-0	●	45	MULTIPASS*	36 MPP8682H
		4-0	●	75	MULTIPASS*	36 MPP2834H
		4-0	○	75	MULTIPASS*	36 MPP2861H
		3-0	●	60	MULTIPASS*	36 MPP2835H
		3-0	●	75		36 EH7691H
		3-0	○	75	MULTIPASS*	36 MPP2862H
PS-2 S 	19 mm	4-0	●	45	Slimmed	36 8682H
PS-1 	24 mm	4-0	●	45		36 EH7758H
		4-0	●	75	MULTIPASS*	36 MPP7695H
		3-0	●	45	MULTIPASS*	36 MPP7757H
		3-0	●	60		12 EH7666G
		3-0	●	75		36 EH7568H
PS 	26 mm	2-0	●	45	MULTIPASS*	36 MPP8026H
PSL 	30 mm	2-0	●	75		36 EH7121H

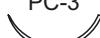
# PROLENE\*

Monofilament Polypropylene

## 3/8 Circle Reverse Cutting Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
M-3 	16 mm	6-0	●	45	VISI-BLACK*	12	8750G
FS-3 	16 mm	6-0	●	45		36	8660H
		5-0	●	45		36	8614H
FS-2 	19 mm	5-0	●	45		36	8661H
		4-0	●	45		36	EH7151H
		4-0	●	75		36	EH7150H
		3-0	●	45		36	8665H
		3-0	●	75		36	EH7693H
FS-1 	24 mm	4-0	●	45		36	8629H
		3-0	●	45		36	8684H
		3-0	●	60		12	EH7963G
		3-0	●	75		36	EH7694H
FS 	26 mm	2-0	●	45		36	8685H
FSL 	30 mm	4-0	●	75		36	8670H
		3-0	●	75		36	8675H
		2-0	●	75		36	EH7697H
		0	●	45		36	EH7920H
FSLX 	36 mm	3-0	●	75		36	8649H
		2-0	●	75		36	8689H
		0	●	75		36	EH7561H

## 3/8 Circle Conventional Cutting PRIME\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
PC-3 	16 mm	6-0	●	45		24	W8873T
		6-0	●	45	MULTIPASS*	36	MPP8873H
		5-0	●	45		12	W527
		5-0	●	45		24	W8874T
		5-0	●	45	MULTIPASS*	36	MPP8874H
		4-0	●	45		12	W525
		4-0	●	45		24	W8007T
		4-0	●	45	MULTIPASS*	36	MPP8875H
PC-5 	19 mm	5-0	●	45	MULTIPASS*	36	MPP8876H
		4-0	●	45		24	W8877T
		4-0	●	45	MULTIPASS*	36	MPP8877H
PC-25 	26 mm	4-0	●	45		24	W8879T
		3-0	●	45		12	W538
PCLX 	36 mm	3-0	●	75	With locking buttons	12	W8626

<b>▼ 1/2 Circle Reverse Cutting PRIME* Needles</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
PS-4	16 mm	4-0	●	45	36	EH7759H

<b>▼ 1/2 Circle Reverse Cutting Needles</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
J-1	17 mm	3-0	●	45	36	EH7545H

<b>▼ Straight Cutting Needles</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
SC-1	13 mm	4-0	●	45	36	EH7730H
KS	60 mm	3-0	●	75	With locking buttons	12 W8630
		3-0	●	75	With beads and collars	12 W630
		3-0	●	75		36 8622H
		2-0	●	75		36 8623H

<b>● 3/8 Circle Taper Point Needles Special</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
BV75-3	3,8 mm	10-0	●	13	12	W2790
BV130-4	4,7 mm	9-0	●	13	12	W2780
		8-0	●	13	12	W2779
BV-6	4,8 mm	10-0	●	10	12	EH7595G
BV-4	4,9 mm	10-0	●	15	12	EH7596G
BV100-4	5,1 mm	10-0	●	13	12	W2794
		9-0	●	13	12	W2783
BV100-4	5,1 mm	9-0	●	45	12	F1891
BV-2	6,5 mm	9-0	●	15	12	EH7597G

<b>▼ 1/4 Circle TAPERCUT* Needles</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CIF-4	13 mm	10-0	●	20	12	788G

<b>▲ 3/8 Circle MICROPOINT* Spatula</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
GS-12	5,5 mm	10-0	●	30	12	EH7473G
GS-12	5,5 mm	10-0	●	30	12	EH7598G
CS-35-C	6 mm	10-0	●	30	12	EH7984G
GS-9	6,5 mm	9-0	●	15	12	1754G

# PROLENE\*

Monofilament Polypropylene



## 1/4 Circle CS ULTIMA\* Spatula

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CTC-6 L	13 mm	10-0	●	10	12	EH7897G



## Ski MICROPOINT\* Spatula

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CSS-160 CSS-160	16 mm	10-0	●	30	12	EH7997G



## Straight MICROPOINT\* Spatula

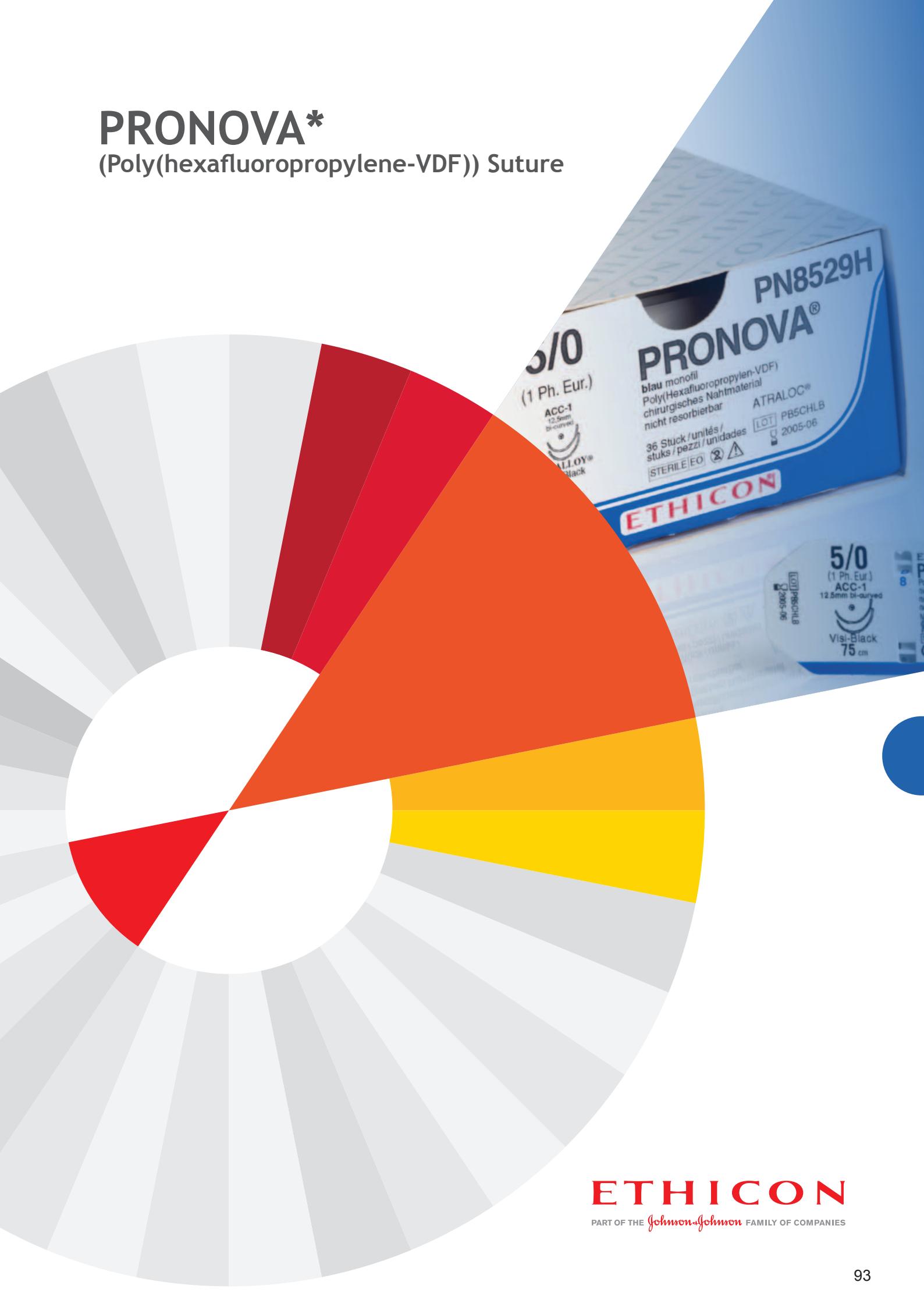
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
STC-6 STC-6	16 mm	10-0	●	20	12	1713G
STC-6	16 mm	10-0	●	15	Loop	12 EH7900G

## Special Combinations

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
STC-6 CS-35-C	16 mm + 6 mm	10-0	●	20	12	ET5631SG
GS-9 STC-6	6,5 mm + 16 mm	9-0	●	20	12	1753G
ST-1 ST-1 FS	45 mm + 45 mm + 26 mm	3-0	●	35 Loop with polypropylene button. Pull-out tendon suture for Bunnell technique.	12	EH7922G
V-47 V-47 FS-1	38 mm + 38 mm + 26 mm	4-0	●	35 Loop with polypropylene button. Pull-out tendon suture for Bunnell technique.	12	EH7668G

# PRONOVA\*

(Poly(hexafluoropropylene-VDF)) Suture



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

# PRONOVA\*

Poly(hexafluoropropylene-VDF)

## SUTURE

### Description:

<b>Monofilament</b>	For smooth passage through tissue.
<b>Synthetic</b>	For minimal tissue reaction.
<b>Non-absorbable</b>	Provides permanent tensile strength retention in tissue.

### Color:

Blue.

### Range:

8-0 to 5-0 (USP). Supplied as needled sutures, armed with, for example, VISI-BLACK\* needles or CC-needles.

### Indications:

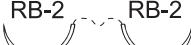
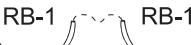
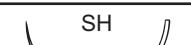
PRONOVA\* sutures are intended for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic and neurosurgical procedures. Typical areas of use include:

- Vascular anastomoses

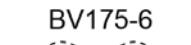
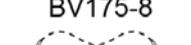
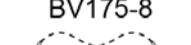
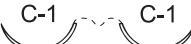
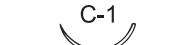
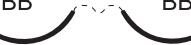
Full details in the Instruction for Use included in every package.



 **1/2 Circle Taper Point Needles**

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 RB-2 RB-2 13 mm	6-0	●	75		36	PN8606H
	5-0	●	75		36	PN8500H
 RB-1 RB-1 17 mm	5-0	●	75		36	PN1800H
	5-0	●	90		36	PN8510H
 SH SH 26 mm	5-0	●	75		36	PN1821H
 SH 26 mm	5-0	●	75		36	PN1837H

 **3/8 Circle Taper Point Needles**

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
BV-2 BV-2 6,5 mm	8-0	●	45		12	PN1836G
BV-2 BV-2 6,5 mm <b>VISI-BLACK</b>	8-0	●	75	VISI-BLACK*	24	PN8809E
 BV175-6 8 mm	8-0	●	60		12	PN1890G
	7-0	●	60		36	PN1889H
 BV175-8 9,3 mm <b>VISI-BLACK</b>	7-0	●	45	VISI-BLACK*	36	PN8700H
	7-0	●	60	VISI-BLACK*	36	PN8706H
	6-0	●	60	VISI-BLACK*	36	PN8613H
	6-0	●	75	VISI-BLACK*	36	PN1852H
 BV175-8 9,3 mm	7-0	●	60	MULTIPASS*	36	PN8714H
	7-0	●	75	MULTIPASS*	36	PN8709H
	6-0	●	75		36	PN8612H
 C-1 C-1 13 mm <b>VISI-BLACK</b>	7-0	●	75	VISI-BLACK*	36	PN8704H
	6-0	●	75	VISI-BLACK*	36	PN1855H
	5-0	●	75	VISI-BLACK*	36	PN1856H
	5-0	●	90	VISI-BLACK*	36	PN8522H
	6-0	●	60		36	PN8619H
 C-1 C-1 13 mm	6-0	●	75		36	PN8602H
	5-0	●	75		36	PN8506H
	6-0	●	75		36	PN8607H
 C-1 13 mm	5-0	●	75		36	PN8502H
	5-0	●	90	VISI-BLACK*	36	PN1859H
 BB BB 17 mm <b>VISI-BLACK</b>	5-0	●	75	VISI-BLACK*	36	PN1863H
	5-0	●	90	VISI-BLACK*	36	PN1830H
	5-0	●	75		36	PN1860H
	5-0	●	90		36	

# PRONOVA\*

Poly(hexafluoropropylene-VDF)



## 3/8 Circle CC-Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CC ~~~ CC 9,3 mm	8-0	●	60		12	PN8803G
	7-0	●	60		36	PN1839H
	7-0	●	75		36	PN1831H
	6-0	●	60		36	PN1809H
CC-1 ~~~ CC-1 13 mm	6-0	●	60		36	PN8605H
	6-0	●	75		36	PN1811H
	5-0	●	75		36	PN1812H
	5-0	●	90		36	PN8516H



## Compound Curve CC-Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
ACC ~~~ ACC 9,3 mm VISI-BLACK	7-0	●	75	VISI-BLACK*	36	PN8715H
	6-0	●	75	VISI-BLACK*	36	PN8622H
ACC-1 ~~~ ACC-1 13 mm VISI-BLACK	6-0	●	75	VISI-BLACK*	36	PN8623H
	5-0	●	75	VISI-BLACK*	36	PN8529H



## 3/8 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-18 ~~~ V-18 13 mm	5-0	●	75		36	PN8520H

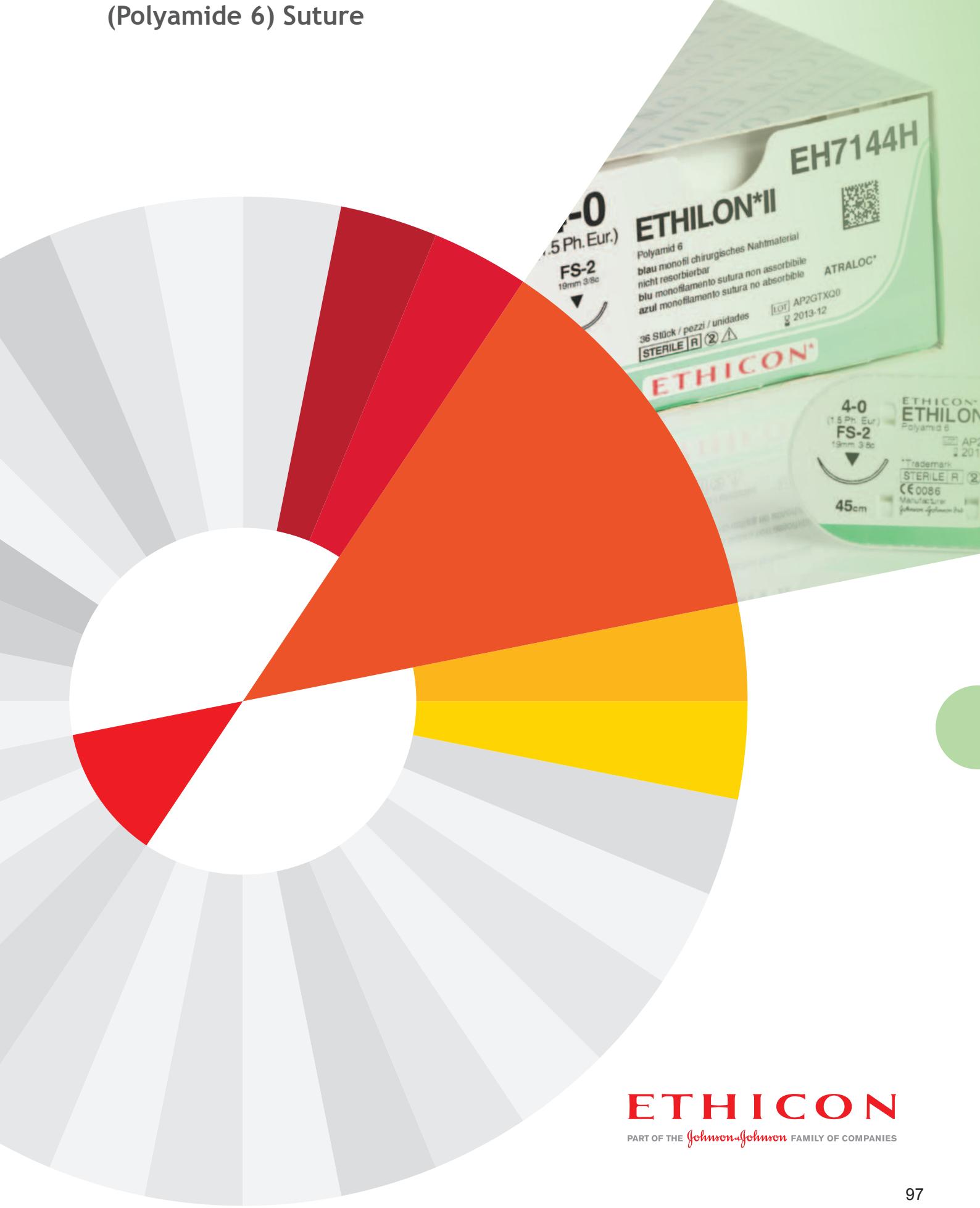


## 1/2 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-5 ~~~ V-5 17 mm	5-0	●	75		36	PN2872H

# **ETHILON\***

(Polyamide 6) Suture



# ETHICON

PART OF THE **Johnson & Johnson** FAMILY OF COMPANIES

### SUTURE

#### Description:

Monofilament	For smooth passage through tissue.
Synthetic	For minimal tissue reaction.
Non-absorbable	Provides prolonged tensile strength retention in tissue.

#### Color:

Blue, black or clear.

#### Range:

11-0 to 2 (USP). Supplied as needled sutures armed with, for example, MULTIPASS\* and PRIME\* needles. ETHILON\* is also available as ligatures.

#### Indications:

ETHILON\* (black and clear) sutures are intended for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic, microsurgical and neurosurgical procedures. Blue ETHILON\* sutures are intended for use in skin closure. Typical areas of use include:

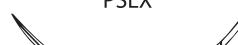
- Cuticular sutures
- Nerve adaptation
- Ophthalmology

Full details in the Instruction for Use included in every package.

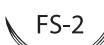
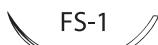


3/8 Circle Reverse Cutting PRIME* Needles							
Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
P-6	8 mm	7-0	●	45		36	1647H
P-1	11 mm	7-0	●	45		36	1696H
		7-0	●	45	MULTIPASS*	36	MPE1696H
		6-0	●	45		36	697H
		6-0	●	45	MULTIPASS*	36	MPE697H
		6-0	●	45		36	1698H
P-3	13 mm	6-0	●	45		36	MPE1698H
		6-0	●	45	MULTIPASS*	36	EH7800H
		5-0	●	45		36	698H
		5-0	●	45	MULTIPASS*	36	MPE698H
		5-0	●	45	MULTIPASS*	36	MPE7800H
		5-0	●	45		24	W1852T
		4-0	○	45		36	691H
		4-0	●	45		36	699H
		4-0	●	45		36	EH7801H
		4-0	●	45	MULTIPASS*	36	MPE7801H
PS-3	16 mm	6-0	●	45	MULTIPASS*	36	MPE7662H
		6-0	●	45		24	W1614T
		5-0	●	45		36	EH7930H
		5-0	●	45	MULTIPASS*	36	MPE7930H
		4-0	●	45		36	EH7931H
		4-0	●	45	MULTIPASS*	36	MPE7931H
		4-0	●	45		24	W1861T
PS-2	19 mm	5-0	●	45		36	EH7804H
		5-0	●	45	MULTIPASS*	36	MPE7804H
		4-0	●	45		36	EH7162H
		4-0	●	45		24	W1620T
		4-0	●	45	MULTIPASS*	36	MPE1667H
		4-0	●	45	MULTIPASS*	36	MPE1855H
		3-0	●	45		36	W1621T
		3-0	●	45	MULTIPASS*	36	MPE1621H
PS-2 S	19 mm	4-0	●	45	SLIMMED	36	1667H
PS-1	24 mm	4-0	●	45		36	EH7957H
		4-0	●	75		36	EH7956H
		4-0	●	75	MULTIPASS*	36	MPE7956H
		3-0	●	45		24	W1857T
		3-0	●	75		36	EH7954H
		3-0	●	75	MULTIPASS*	36	MPE7954H

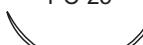
**▼ 3/8 Circle Reverse Cutting PRIME\* Needles**

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 PS	3-0	●	45	MULTIPASS*	36	MPE1625H
	3-0	●	45		24	W1625T
	3-0	●	75		24	W1685T
	2-0	●	75		24	W1626T
 PSL	3-0	●	75		36	EH7113H
 PSLX	3-0	●	75		24	W1627T

**▼ 3/8 Circle Reverse Cutting Needles**

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 C-2	6-0	●	45		36	667H
	5-0	●	45		36	EH7945H
 M-2	5-0	●	45		36	644H
	6-0	●	45		36	660H
 FS-3	6-0	●	45	VISI-BLACK*	36	EH7177H
	5-0	●	45		36	1628H
	5-0	●	45		36	EH7823H
	4-0	●	45		36	EH7824H
	5-0	●	45		36	EH7790H
 FS-2	4-0	●	45		36	EH7144H
	4-0	●	75		36	EH7145H
	3-0	●	45		36	EH7792H
	2-0	●	90		36	F3217
	4-0	○	45	SLIMMED	36	611H
	4-0	●	45	SLIMMED	36	EH7791H
 FS-1	5-0	●	45		36	EH7640H
	4-0	●	45		36	EH7825H
	4-0	●	45		36	S2450
	4-0	●	75		36	FJ5272H
	3-0	●	45		36	EH7794H
	3-0	●	75		36	EH7795H
	2-0	●	45		36	EH7826H
 FS	4-0	●	45		36	FK5242H
	3-0	●	45		36	ES163H
	2-0	●	45		36	EH7796H
 FSL	4-0	●	75		36	1670H
	3-0	●	45		36	EH7936H
	3-0	●	75		36	EH7939H
	3-0	●	45		36	S2455
	2-0	●	75		36	EH7798H

<b>▼ 3/8 Circle Reverse Cutting Needles</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
FSLX 	36 mm	3-0	●	75		36
		2-0	●	75		36
		0	●	75		36
LR-60 	60 mm	2-0	●	100		12
LR 	76 mm	2	●	3x50		12
						3460TG

<b>▲ 3/8 Circle Conventional Cutting PRIME* Needles</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
PC-1 	13 mm	6-0	●	45		36
PC-3 	16 mm	6-0	●	45	MULTIPASS*	36
		6-0	●	45		W1615T
		5-0	●	45	MULTIPASS*	36
		5-0	●	45		W1616T
		5-0	●	45		W1854T
PC-5 	19 mm	4-0	●	45	MULTIPASS*	36
		4-0	●	45		W1856T
PC-25 	26 mm	6-0	●	45		W1859T
		5-0	●	45		W1858T
KP-3 	90 mm	2-0	●	100		12
		1	●	100		W797
		1	●	2x50	With retention tubing	12
KP-3 	90 mm	1	●	75		W689

# ETHILON\*

Monofilament Polyamide 6



## 1/2 Circle Reverse Cutting Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
M-1 	13 mm	5-0	●	45	36	648H
J-1 	17 mm	5-0	●	75	36	F2423
X-1 	22 mm	3-0	●	45	36	EH7943H
CPX 	48 mm	1	●	100	12	W738



## Straight Cutting Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
KS 	60 mm	3-0	●	75	36	627H
		2-0	●	75	36	628H



## 1/2 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
MH-1 	31 mm	0	●	150	Loop	12	W739



## 1/2 Circle Taper Point Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
CT 	40 mm	0	●	200	Loop	12	W760
CTX 	48 mm	1	●	150	Loop	12	W748



## Straight Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
STAW 	65 mm	2-0	●	75	24	EH7625E



### 3/8 Circle Taper Point Needles

Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
BV 140-3	3,7 mm	10-0	●	15	Non-sterile	12	NS2820
BV130-3	3,7 mm	9-0	●	13		12	FG2819
BV75-3	3,8 mm	10-0	●	13		12	W2870
		9-0	●	13		12	W2871
BV50-3	3,8 mm	11-0	●	13		12	W2881
BV130-4	4,7 mm	9-0	●	13		12	W2813
		8-0	●	13		12	W2812
BVH100-3	4,7 mm	10-0	●	13	1/2 circle	12	W2860
BV75-4	5,1 mm	10-0	●	13		12	W2850
BV-6	5,1 mm	11-0	●	10		12	EH7438G
BV-4	5,1 mm	10-0	●	15		12	2814G
BV100-4	5,1 mm	10-0	●	13		12	W2830
		9-0	●	13		12	W2829
		9-0	●	15		12	EH7448G
BV-2	6,5 mm	10-0	●	15		12	2810G
		9-0	●	15		12	2809G
		8-0	●	15		12	2808G
BV130-5	6,5 mm	10-0	●	13		12	W2810
		8-0	●	13		12	W2808
BV130-5	6,5 mm	10-0	●	30		12	W2801
BV175-6	8 mm	8-0	●	45		12	W8170
BV-1	9,3 mm	7-0	●	45		36	EH7446H
C-1	13 mm	6-0	●	75		36	EH7500H



### 3/8 Circle CS ULTIMA\* Spatula

Needle		Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
UCS-35	6,2 mm	10-0	●	15		12	7060G
CS-140-6	6,5 mm	10-0	●	30		12	U7003
CS-140-6	6,5 mm	10-0	●	30		12	U7061

# ETHILON\*

Monofilament Polyamide 6

## 3/8 Circle MICROPOINT® Spatula

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CS-35-C	6 mm	10-0	●	15	12	EH7980G
GS-9	6,5 mm	10-0	●	30	12	1718G
		9-0	●	30	12	1717G
TG140-6	6,5 mm	11-0	●	30	12	W1780
		10-0	●	30	12	W1770
		9-0	●	30	12	W1769

## 1/2 Circle MICROPOINT® Reverse Cutting Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
G-7	8 mm	8-0	●	45	12	W1765

## 1/2 Circle MICROPOINT® Spatula

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
TG160-6	5,5 mm	10-0	●	30	12	W1756
TG175-8	7 mm	8-0	●	30	12	1716G

## 1/2 Circle CS ULTIMA® Spatula

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CS-160-6	5,5 mm	10-0	●	30	12	U7000

## 1/4 Circle MICROPOINT® Spatula

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
TG100-8	6,5 mm	8-0	●	30	12	B7714

## 1/4 Circle Spatula Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
S-14	8 mm	5-0	●	20	36	MN5132H



### 1/4 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V100-3 	3,5 mm	10-0	●	13		12 W2899
		9-0	●	13		12 W2898
V150-4 	4,5 mm	10-0	●	15		12 W1701

### Ligatures

	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
SUTUPAK*	4-0	●	3x45		36	EH6751H
	3-0	●	10x45		36	EH6562H
LIGAPAK*	2-0	●	250	Reel	20	F4354





# ETHIBOND® Excel

(Polybutylate Coated Polyester) Suture



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

# ETHIBOND® Excel

Polybutylate Coated Polyester

## SUTURE

### Description:

Braided	For easy handling and secure knot tying.
Coated	For smooth tie down and easy passage through tissue.
Synthetic	For minimal tissue reaction.
Non-absorbable	Provides permanent tensile strength retention in tissue.

**Color:** Green or white.

**Range:** 7-0 to 6 (USP). Supplied as needled sutures or ligatures. With or without pledgets.

**Indications:** ETHIBOND® sutures are intended for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic and neurosurgical procedures. Typical areas of use include:

- Heart valve fixation
- Ligament and tendon repair
- Retraction sutures

Full details in the Instruction for Use included in every package.





### 1/2 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
	5-0	●	75		36	6710H
	4-0	●	75		36	EH7417H
	4-0	●	8x45	CONTROL RELEASE*	24	CB84E
	4-0	●	45	Pledgets	36	EH7420H
	5-0	●	75		36	6870H
	4-0	●	75		36	6871H
	3-0	●	75		36	6872H
	2-0	●	75		36	6873H
	5-0	●	75		36	6550H
	4-0	●	75		36	E6551H
	3-0	●	90		36	6558H
	2-0	●	90		12	W6760
	4-0	●	75		36	EH7397H
	3-0	●	75		36	EH7398H
	2-0	●	75		36	EH7399H
	3-0	●	90		36	E6762H
	4-0	●	75		36	W6831
	3-0	●	75		36	6832H
	2-0	●	75		36	6833H
	0	●	75		36	6834H
	0	●	120		36	PF6315H
	1	●	75		36	EH7528H
	4-0	●	90		36	6521H
	3-0	●	90		36	6522H
	2-0	●	90		36	6523H
	2-0	●/○	90	6x3 mm pledges	36	P6523H
	2-0	●/○	10x75		6	W10B82
	0	●	90		36	6524H
	0	●	75		12	W975
	2-0	●	75		36	EH7490H
	0	●	75		36	EH7491H
	2-0	●	90		36	B843H

# ETHIBOND® Excel

Polybutylate Coated Polyester



## 1/2 Circle Taper Point Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
UCL	13 mm	1	75		36	EH7497H
MO-7 MO-7	22 mm	2	75		36	EH7845H
CT-2	26 mm	2-0	75		36	6411H
		0	75		36	EB2316H
MO-6	26 mm	2	75		36	TB6377H
		2	4x75		24	4TB7177E
MO-5	31 mm	2	75		36	TC6377H
CT-1	36 mm	0	75		36	6424H
		1	75		36	6425H
CT-1 CT-1	36 mm	0	75		36	PLL6375H
CTX	48 mm	1	75		36	PN6376H
XLH XLH	70 mm	1	75		12	X190G



## 3/8 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
BV-1	9,3 mm	7-0	75		36	EH7427H
C-1	13 mm	6-0	75		36	6889H
		5-0	75		36	6890H
C-1	13 mm	5-0	75		36	E6717H
BB	17 mm	4-0	75		36	6881H



### Fish Hook Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
ASH-30 	30 mm	1	75		12	W969



### Straight Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
ST-4 	19 mm	4-0	35		36	EH7418H
STAW 	65 mm	0	75		24	BLL6375E
STA 	65 mm	3	75		12	EH7479G



### 1/2 Circle TAPERCUT® Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
	5-0	●	75		36	6951H
	4-0	●	75		36	EHT384H
	3-0	●	75		36	6953H
	2-0	●	75		36	6954H
	4-0	●	75		36	6935H
	4-0	●/○	4x75		12	MEH7719LG
	3-0	●	75		36	6936H
	3-0	●/○	4x75		12	6959G
	2-0	●	75		36	6937H
	2-0	●	75	6x3 mm pledges	36	P6937H
	2-0	●	4x75		12	6937LG
	2-0	●/○	4x75		12	EH7712LG
	2-0	●/○	4x75	6x3 mm pledges	12	EH7715LG
	2-0	●/○	4x75	3x3 mm soft pledges	12	PX1011
	2-0	●	8x75	6x3 mm pledges	6	MEH6937N
	2-0	●/○	8x75		6	MEH7712N
	2-0	●/○	8x75	6x3 mm pledges	6	MEH7715N
	2-0	●/○	10x75	3x3 mm pledges	6	W10B54
	2-0	○	90		12	W6917
	2-0	●	90	3x3 mm pledges	36	D9813
	2-0	○	90	3x3 mm pledges	36	D9814
	2-0	●/○	4X90	6x3 mm pledges	12	MEH7718LG
	2-0	●/○	10X90		6	KV33
	3-0	●	75		36	6963H
	2-0	●	75		36	6964H
	0	●	75		36	6965H

# ETHIBOND® Excel

Polybutylate Coated Polyester

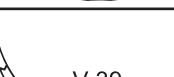


## 1/2 Circle TAPERCUT® Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-7 	4-0	●	75		36	B975H
	3-0	●	75		36	6976H
	2-0	●	75		36	6977H
	2-0	○	75		36	6987H
	2-0	●	90		12	W6977
	2-0	●	75	6x3 mm pledges	36	P6977H
	2-0	●/○	4x75		12	EH7711LG
	2-0	●/○	4x75	6x3 mm pledges	12	EH7716LG
	2-0	●/○	4x75	3x3 mm soft pledges	12	PX1010
	2-0	●/○	8x75	6x3 mm pledges	6	MEH7716N
	2-0	●/○	10x75	6x3 mm pledges	6	W10B77
	2-0	●/○	10x90	6x3 mm pledges	6	KV91
	2-0	●/○	10x90		6	KV31
	2-0	●/○	4X90	6x3 mm pledges	12	MEH7710LG
	0	●	90		12	W6978
	0	●/○	8x90	6x3 mm pledges	6	MEH7717N



## 1/2 Circle TAPERCUT® Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-34 	36 mm	1	●	90	36	EB4407H
V-37 	40 mm	2	●	75	12	869G
BPT-2 	40 mm	6	●	75	12	RS72G
V-39 	45 mm	2	●	4x75	12	W4843
BPT-1 	48 mm	6	●	75	12	RS71G
V-55 	55 mm	5	●	75	12	BE3294
		5	●	4x75	12	W4846



### 3/8 Circle TAPERCUT® Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-4 	4-0	●	75		36	E6942H
	3-0	●	75		36	6943H
	2-0	●	75		36	6944H
V-4 	2-0	●	75		36	B927H
	2-0	●	90		36	HAA6395H
	2-0	●	90	6x3 mm pledges	36	X32200



### Compound Curve TAPERCUT® Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
DA-1 	4-0	●	45	VISI-BLACK*	12	18537G
DA 	4-0	●	45	VISI-BLACK*	12	18536G



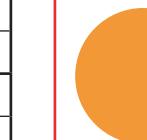
### Straight TAPERCUT® Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
VS-25 	4-0	○	45		12	W6584



### 1/2 Circle Reverse Cutting Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
X-1 	3-0	●	75		36	EH7678H
	2-0	●	75		36	EH7679H
OS-4 	0	●	75	HEAVY NEEDLE	36	6517H
	1	●	75	HEAVY NEEDLE	36	6518H
OS-4 	2	●	90	HEAVY NEEDLE	12	W6748
CP-2 	0	●	75		36	EH7673H
CP-1 	0	●	75		36	X32049
	1	●	75		36	EH7674H
CP 	0	●	75		36	EB2236H



# **ETHIBOND® Excel**

Polybutylate Coated Polyester

## ▼ 3/8 Circle Reverse Cutting Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code	
FS-2	19 mm	5-0	●	45	36	6661H	
		3-0	●	45		EH7346H	
FS-2S	19 mm	4-0	●	45	Slimmed	36	6683H
FS-1	24 mm	3-0	●	45		36	6663H
FS	26 mm	2-0	●	45		36	6664H
FSL	30 mm	0	●	75		36	EH7688H
FSLX	36 mm	0	●	75		36	EH7562H
LR	76 mm	5	●	50		12	B409TG
KP-3	90 mm	2-0	●	100	Conventional cutting	12	W993

## ▼ 3/8 Circle Reverse Cutting PRIME\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
P-1	11 mm	6-0	●	45	36	6697H
P-3	13 mm	5-0	●	45	36	6698H
		4-0	●	45	36	EH7573H
		4-0	○	45	36	JA6442H
PS-3	16 mm	5-0	●	45	36	6681H
		4-0	●	45	36	EH7760H

## ▲ Straight Cutting Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
KS	60 mm	3-0	●	75	36	EH7722H
		1	●	75		X32030

## ▲ Ski Cutting Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
PB-1	22 mm	3-0	●	45	36	EH7579H

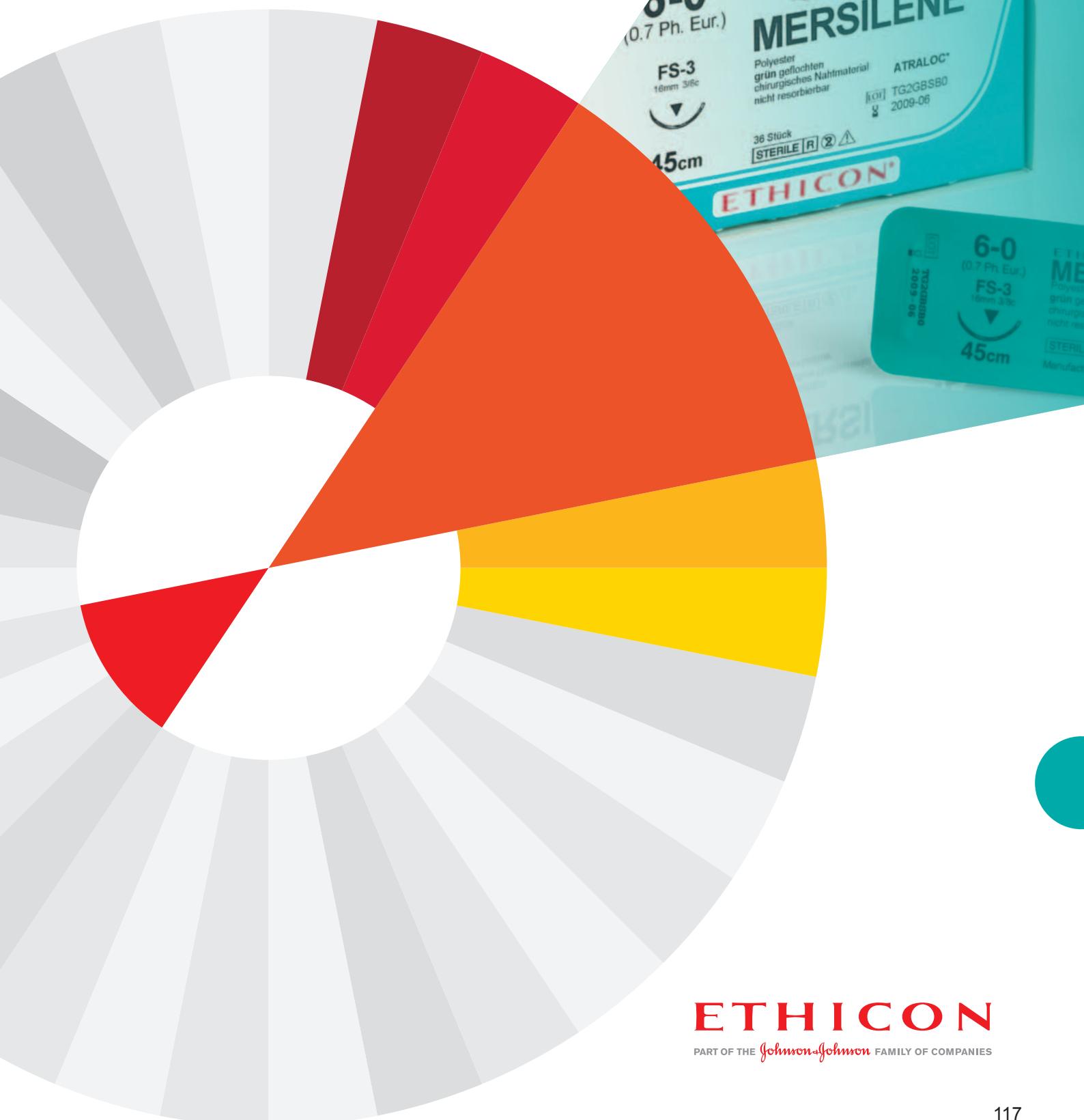
**Ligatures**

	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
LIGAPAK*	5	●	125	REEL	20	SP4491
SUTUPAK*	3-0	●	2x70		36	EH6453H
	2-0	●	2x70		36	EH6454H
	0	●	2x70		36	EH6455H
	1	●	2x70		36	EH6456H
	2	●	2x70		36	EH6457H
	3	●	2x70		36	EH6458H
	5	●	2x70		36	EH6459H
SUTUPAK*	4-0	●	3x45		36	EH6432H
	3-0	●	3x45		36	EH6433H
	2-0	●	3x45		36	EH6434H
	0	●	3x45		36	EH6435H
	1	●	3x45		36	EH6436H
	2	●	3x45		36	EH6437H
	3-0	●	5x70		36	EH6523H
SUTUPAK*	2-0	●	5x70		36	EH6524H
	0	●	5x70		36	EH6525H
	5-0	●	6x45		36	EH6441H
SUTUPAK*	0	●	6X45		36	EH6445H
	5-0	●	12x45		36	EH6371H
	4-0	●	12x45		36	EH6372H
	2-0	●	12x45		36	EH6374H
	0	●	12x45		24	EH6375E



# MERSILENE\*

(Polyester) Suture



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

## SUTURE

### Description:

Braided	For easy handling and secure knot tying.
Synthetic	For minimal tissue reaction.
Non-absorbable	Provides permanent tensile strength retention in tissue.

**Color:** Green or white.

**Range:** 10-0 to 3 (USP). Supplied as needled sutures or ligatures. Size 10-0 is monofilament in structure.

**Indications:** MERSILENE\* sutures are intended for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic and neurosurgical procedures. Typical areas of use include:

- Dental surgery
- Ophthalmic surgery
- Ligation

Full details in the Instruction for Use included in every package.





### 1/2 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
RB-1 	17 mm	4-0	●	75		36 R871H
		3-0	●	75		36 R872H
SH 	26 mm	3-0	●	75		36 R832H
		2-0	●	75		36 R833H
		0	●	75		36 R834H
		1	●	75		36 EH7526H
MH 	36 mm	2-0	●	75		36 R843H
		0	●	75		36 R844H
		1	●	75		36 R845H
CT-1 	36 mm	0	●	75		36 R424H



### Straight Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
ST-4 	19 mm	3-0	●	75		12 EH7413G



### 1/2 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-5 	17 mm	4-0	●	45		12 18513G
		3-0	●	45		12 18506G
V-7 	26 mm	2-0	●	75		36 R964H



### 3/8 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-4 	17 mm	3-0	●	75		36 R943H



### Compound Curve TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
DA-1  VISI-BLACK	13 mm	4-0	●	45	VISI-BLACK*	12 18533G
DA  VISI-BLACK	25 mm	4-0	●	45	VISI-BLACK*	12 18528G

▼ 1/2 Circle Reverse Cutting Needles						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CP-2	26 mm	0	●	75	36	EH7325H
CP-1	36 mm	1	●	75	36	EH7350H

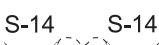
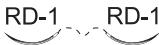
▼ 3/8 Circle Reverse Cutting PRIME* Needles						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
P-3	13 mm	4-0	○	45	36	R691H

▼ 3/8 Circle Reverse Cutting Needles						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
FS-3	16 mm	5-0	●	45	36	R670H
FS-2	19 mm	4-0	●	45	36	EH7147H
		4-0	○	45	36	EH7148H
FS-2S	19 mm	4-0	○	45	36	R633H
FS-1	24 mm	3-0	●	45	36	EH7684H
		3-0	○	45	36	R647H
		2-0	●	45	36	EH7683H
FS	26 mm	2-0	○	45	36	R665H
FSL	30 mm	2-0	●	75	36	EH7638H
		2-0	○	45	36	R677H
		0	●	75	36	EH7637H

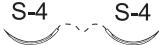
▼ 3/8 Circle MICROPOINT* Spatula						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
TG140-6 TG140-6	6,5 mm	10-0	●	30 MONOFILAMENT	12	W1775

▼ 1/2 Circle Spatula Needles						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
S-22 S-22	8 mm	5-0	○	45	12	1765G

 **1/4 Circle Spatula Needles**

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 S-14 	8 mm	6-0	○	45		12
		5-0	○	45		12
 RD-1 	8 mm	5-0	○	45 CENTER POINT SPATULA	12	746G

 **1/4 Circle Conventional Spatula Needles**

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 S-4 	8 mm	4-0	○	45		12

**Ligatures**

	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
SUTUPAK*	5-0	●	140		36	EH6411H
	3-0	●	140		36	EH6413H
	2-0	●	140		36	EH6414H
	0	●	140		36	EH6415H
	1	●	140		36	EH6416H
	2	●	140		36	EH6417H
	3	●	140		36	EH6418H
SUTUPAK*	2-0	●	2x70		36	EH6884H
	0	●	2x70		36	EH6885H
	1	●	2x70		36	EH6886H
	2	●	2x70		36	EH6887H
SUTUPAK*	3-0	●	3x45		36	EH6853H
	0	●	3x45		36	EH6855H
	1	●	3x45		36	EH6856H
	2	●	3x45		36	EH6857H
	3	●	3x45		36	EH6858H
SUTUPAK*	1	●	6x45		36	EH6736H
SUTUPAK*	3-0	●	12x45		36	EH6663H
	1	●	12x45		24	EH6666E



# NUROLON\*

(Polyamide 6/6) Suture



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

SUTURE

## Description:

Braided	For easy handling and secure knot tying.
Coated	For easy passage through tissue.
Synthetic	For minimal tissue reaction.
Non-absorbable	Provides prolonged tensile strength retention in tissue.

**Color:** Black.

**Range:** 5-0 to 1 (USP). Supplied as needled sutures or ligatures.

**Indications:** NUROLON® sutures are intended for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic and neurosurgical procedures. Typical areas of use include:

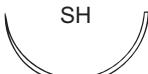
- Drain fixation
  - Ligation

Full details in the Instruction for Use included in every package.





### 1/2 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 SH 26 mm	3-0	●	75		36	NL832H
	2-0	●	75		36	NL833H
 MO-5 31 mm	1	●	75		12	W5723



### 1/2 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 V-37 40 mm	1	●	100		12	W5415



### 3/8 Circle Reverse Cutting Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 FS-2 19 mm	4-0	●	45		36	NL7616H
 FS 26 mm	3-0	●	75		36	NL7615H
	2-0	●	75		36	NL7614H
 FSLX 36 mm	2-0	●	75		36	5642H

### Ligatures

	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
SUTUPAK*	2-0	●	2x70		36	EH6584H
SUTUPAK*	2-0	●	3x45		36	EH6604H
	0	●	3x45		36	EH6605H
	1	●	3x45		36	EH6606H
	2-0	●	10x75		12	W5223
SUTUPAK*	1	●	10X75		12	W5225
	4-0	●	12x45		36	EH6621H
	3-0	●	12x45		36	EH6622H
	2-0	●	12X45		36	EH6623H
SUTUPAK*	0	●	17x45		12	W5204



# SILK

## Suture



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

# SILK

Braided Silk / Virgin silk

## SUTURE

### Description:

Braided	For easy handling and secure knot tying.
Coated	With wax for easy handling.
Natural	Produced from cocoons of the silk worm <i>Bombyx Mori</i> .
Non-absorbable	Provides prolonged tensile strength retention in tissue for up to 3 months.

**Color:** Black or white.

**Range:** 10-0 to 4 (USP). Supplied as needled sutures or ligatures. Sizes 10-0 to 8-0 are manufactured of virgin silk and are twisted in construction. Virgin silk fibres are held together by natural gum secreted by the silk worm.

**Indications:** SILK sutures are intended for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic and neurosurgical procedures.

Typical areas of use include:

- Ophthalmic surgery
- Dental surgery
- Ligation

Full details in the Instruction for Use included in every package.





### 1/2 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
TF	13 mm	5-0	●	45		36 N266H
		4-0	●	45		36 N267H
RB-1	17 mm	5-0	●	75		36 K870H
		4-0	●	75		36 K871H
		3-0	●	75		36 K872H
		2-0	●	75		36 K873H
SH-1	22 mm	3-0	●	75		36 EH7343H
		2-0	●	75		36 EH7344H
SH	26 mm	4-0	●	75		36 K831H
		3-0	●	75		36 K832H
		2-0	●	75		36 K833H
		0	●	75		36 K834H
		1	●	75		36 K835H
MH	36 mm	2-0	●	75		36 K843H
		0	●	75		36 K844H
		1	●	75		36 K845H
		2	●	75		36 K846H



### 3/8 Circle Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
BV-1	9,3 mm	7-0	●	30		36 K803H
C-1	13 mm	6-0	●	75		36 K889H
		5-0	●	75		36 K890H
		4-0	●	75		36 K891H
C-1	13 mm	6-0	●	45		36 706H
BB	17 mm	4-0	●	75		36 K881H



### Straight Taper Point Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
ST-4	19 mm	4-0	●	45		12 18507G
		4-0	●	75		36 K861H

# SILK

Braided Silk / Virgin silk



## 1/2 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-5 	4-0	●	75		36	K952H
	3-0	●	45		12	18514G
	3-0	●	75		36	K953H
V-7 	3-0	●	75		12	K963G
	2-0	●	75		36	K964H



## 3/8 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-4 	4-0	●	75		36	K942H
	3-0	●	75		36	K943H



## Compound Curve TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
DA-1 	4-0	●	45	VISI-BLACK*	12	18534G
DA 	4-0	●	45	VISI-BLACK*	12	18529G



## 1/2 Circle Reverse Cutting Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
M-1 	5-0	●	45		36	688H
J-1 	4-0	●	45		12	18501G
	4-0	●	45		36	734H
X-1 	3-0	●	45		12	18502G
	3-0	●	45		36	632H
	2-0	●	45		36	737H
CP-1 	2-0	●	75		36	443H

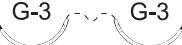
<b>▼ 3/8 Circle Reverse Cutting PRIME* Needles</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
P-1 	11 mm	6-0	●	45		36 639H
		6-0	●	45		12 786G
P-1 	11 mm	6-0	●	45		12 780G
P-3 	13 mm	5-0	●	45		36 640H
		4-0	●	45		12 18508G

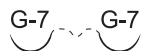
<b>▼ 3/8 Circle Reverse Cutting Needles</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
C-3 	13 mm	5-0	●	45		36 719H
		4-0	●	45		36 736H
		4-0	●	45		12 W811
C-3 	13 mm	4-0	●	30		36 735H
		4-0	○	45		12 W816
M-2 	13 mm	4-0	●	45		36 739H
FS-3 	16 mm	6-0	●	45		36 681H
FS-2 	19 mm	5-0	●	45		36 682H
		4-0	●	45		12 EH7149G
		3-0	●	45		36 EH7345H
FS-1 	24 mm	4-0	●	45		36 629H
		3-0	●	45		36 684H
FS 	26 mm	2-0	●	45		36 685H
FSL 	30 mm	2-0	●	45		36 677H
		2-0	●	75		36 679H
		0	●	75		36 680H
FSLX 	36 mm	0	●	75		36 EH7560H

<b>▲ 3/8 Circle Conventional Cutting PRIME* Needles</b>						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
PC-3 	16 mm	6-0	●	45		36 W529H
		5-0	●	45		36 W528H
		4-0	●	45		12 W604

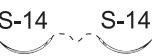
# SILK

Braided Silk / Virgin silk

▼ 3/8 Circle MICROPOINT® Reverse Cutting Needles						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
G-6 	8 mm	7-0	●	30	12	EH7464G
		6-0	●	30	12	EH7435G
G-6 ~ G-6 	8 mm	7-0	●	45	12	768G
		6-0	●	45	12	769G
G-3 ~ G-3 	13 mm	4-0	●	45	12	783G

▼ 1/2 Circle MICROPOINT® Reverse Cutting Needles						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
G-7 	8 mm	8-0	●	45	12	W870
G-7 ~ G-7 	8 mm	8-0	●	45	12	W818

▼ 3/8 Circle MICROPOINT® Spatula						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
TG140-6 	6,5 mm	8-0	●	30	12	W1782
TG140-8 	6,5 mm	8-0	●	45	12	W1819

▼ 1/4 Circle Spatula Needles						
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
S-14 ~ S-14 	8 mm	6-0	●	45	12	1780G
		5-0	●	45	12	EH7440G

**Ligatures**

	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
LIGAPAK*	4-0	●	250	Reel	20	F4202
SUTUPAK*	2-0	●	140		36	EH6804H
	1	●	140		36	EH6806H
	2	●	140		36	EH6807H
SUTUPAK*	3-0	●	2x70		36	EH6833H
	0	●	2x70		24	EH6835E
	1	●	2x70		24	EH6836E
	2	●	2x70		24	EH6837E
SUTUPAK*	4-0	●	3x45		36	EH6762H
	3-0	●	3x45		36	EH6763H
	2-0	●	3x45		36	EH6764H
	0	●	3x45		36	EH6765H
	2	●	3x45		36	EH6767H
	3	●	3x45		36	EH6768H
SUTUPAK*	3-0	●	5x70		36	EH6823H
	2-0	●	5x70		36	EH6824H
	0	●	5x70		36	EH6825H
SUTUPAK*	2-0	●	10x75		12	W223
	1	●	10x75		12	W225
SUTUPAK*	4-0	●	12x45		24	EH6722E
	3-0	●	12x45		24	EH6723E
	2-0	●	12x45		36	EH6724H
SUTUPAK*	4-0	●	13x60		12	W211



# STEEL

## Suture



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

# STEEL

## Monofilament and Multifilament

### SUTURE

#### Description:

Multifilament or monofilament.

Non-absorbable Provides permanent tensile strength retention in tissue.

#### Color:

Undyed.

#### Range:

5-0 to 7 (USP). Supplied as needled sutures and ligatures. Also available as pull-out tendon suture with barb.

#### Indications:

STEEL sutures are intended for use in abdominal wall closure, hernia repair, sternal closure and orthopedic procedures including cerclage and tendon repair.

Typical areas of use include:

- Closure of sternum
- Pull-out tendon repair with the Bunnell technique

Full details in the Instruction for Use included in every package.





### 1/2 Circle TAPERCUT\* Needles

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
V-37 	40 mm 1	●	4x45	Monofilament	12	M660G
V-40 	48 mm 4	●	4x45	Monofilament	12	M651G
	6	●	6x45	Monofilament	12	6OF8348G
	6	●	4X45	Monofilament	12	M649G



### 1/2 Circle Reverse Cutting Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
CPX 	48 mm 5	●	45	Monofilament	12	EH7677G
	7	●	4x45	Monofilament	12	M624G
CPXX 	55 mm 5	●	6x45	Monofilament.	12	MEH7216G
	5	●	2x75	Monofilament	12	W902



### 3/8 Circle Reverse Cutting Needles

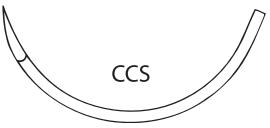
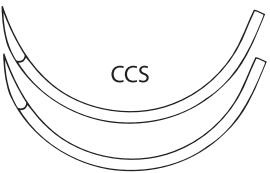
Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
FS-2 	19 mm 3-0	●	75	Monofilament	12	F2707
FS-2S 	19 mm 4-0	●	45	Monofilament, slimmed	36	603H
FS-1 	24 mm 3-0	●	45	Multifilament	36	EH7602H
FSL 	30 mm 2-0	●	45	Multifilament	36	EH7603H
FSLX 	36 mm 2-0	●	45	Multifilament	36	FO8444H
LS-1 	45 mm 2	●	60	Monofilament	12	400G
LS 	90 mm 2	●	90	Multifilament	6	EH7611

# STEEL

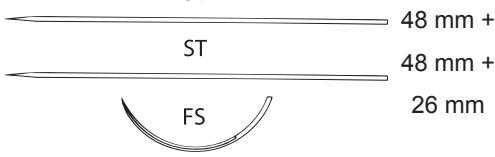
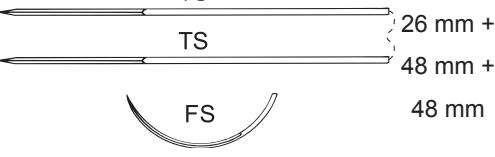
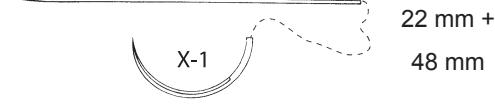
## Monofilament and Multifilament



### 1/2 Circle Conventional Cutting Needles (Heavier Wire Diameter)

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
 CCS	48 mm	5	●	4x45	Monofilament	12 MEH7210G
		5	●	6x45	Monofilament	12 MEH7212G
		6	●	4x45	Monofilament	12 653BG
		6	●	6x45	Monofilament	12 MEH7213G
		7	●	4x45	Monofilament	12 MEH7211G
 CCS	48 mm	5	●	75	Monofilament	12 OMM8378G
 CCS-1	60 mm	5	●	2x75	Monofilament	12 M436C

### Special Combinations

Needle	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
	2-0	●	35	Double-armed suture with straight needles and a looped suture with the curved needle. Multifilament. With polypropylene button.	12	EH7627G
	3-0	●	20	Double-armed suture with straight needles and a looped suture with the curved needle. Multifilament. With polypropylene button.	12	EH7623G
	2-0	●	30	Multifilament. Pull-out tendon suture with barb.	12	SN13G
	2-0	●	30	Multifilament. Pull-out tendon suture with barb.	12	SN1G
	3-0	●	40	Multifilament. Pull-out tendon suture with barb.	12	SN17G
	4-0	●	20	Double-armed suture with straight needles and a looped suture with the curved needle. Multifilament.	12	554G

### Ligatures

	Gauge	Suture Color	Length (cm)	Other information	Number per box	Code
	2-0		6x45	Monofilament	40	F6714



# Hernia Solutions

A brief time in surgery -  
a lifetime impact on your patient



**ETHICON**

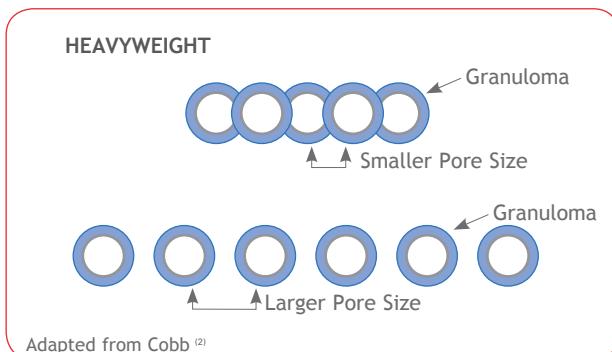
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

## Introduction

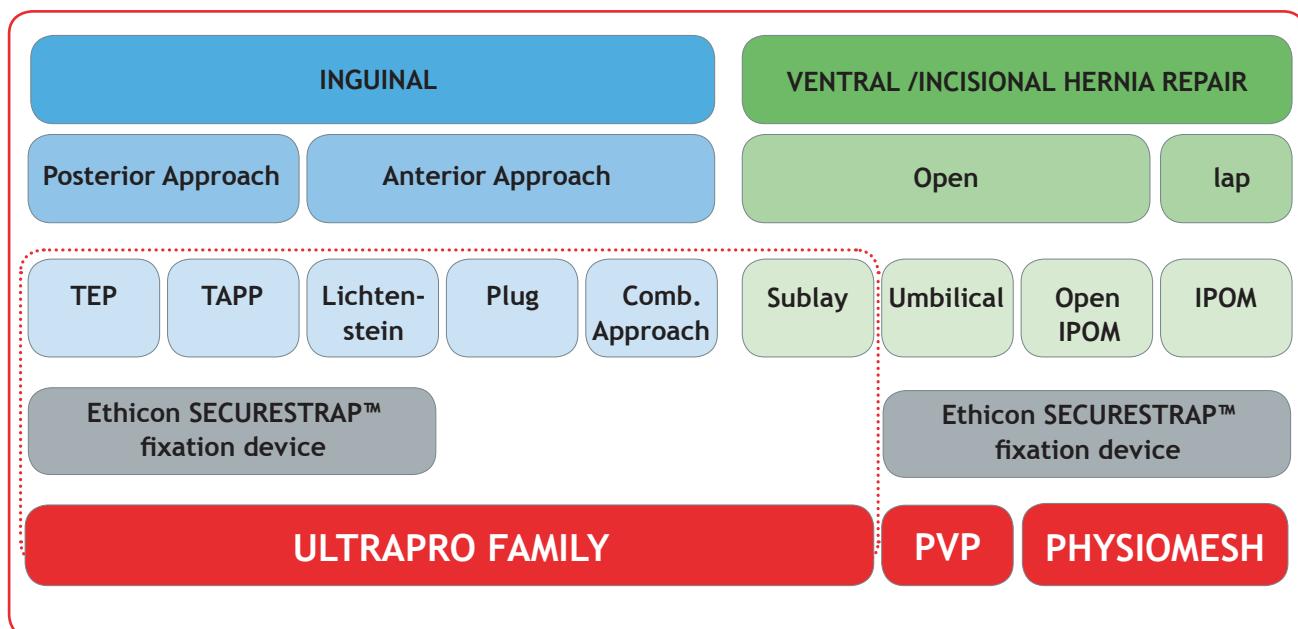
Hernia surgery places particular demands on the properties of surgical suture material and implants. We are undertaking intensive research and development work to meet the challenges presented in this area. The dialogue with our customers is a regular source of product innovations such as our range of MPPAM Macroporous, partially absorbable lightweight surgical meshes and a wide range of synthetic, absorbable threads. As an innovative manufacturer of surgical suture material and implants, we are investing daily on a global basis, developing our products to meet operating requirements by applying our exemplary standards of quality and consistently wide-ranging, individualised services.

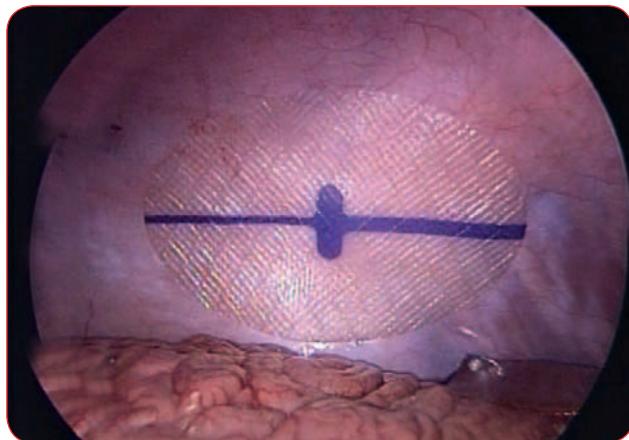


*Ethicon utilises more than 120 years of experience to provide you with the support you need for your work.*



*Reference: COBB WS, KERCHER KW, HENIFORD BT. The argument for lightweight polypropylene mesh in hernia repair. SURG INNOV. 2005*





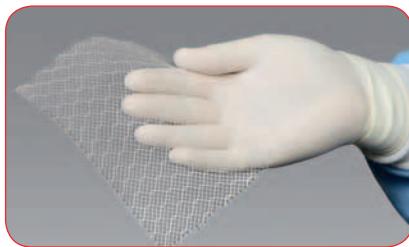
## PHYSIOMESH™ Flexible composite mesh

Tissue-separating mesh.

Macroporous and partially absorbable lightweight.

For open and laparoscopic ventral/incisional hernia repair.

*Clings to the abdominal wall to ease placement*



*Transperant and trimmable. Absorbable markers for orientation.  
Can be placed with either side towards viscera*

*Easy to roll, sufficient memory for  
ease of deployment*

### Combines exceptional handling with comfort and security for your patients

Most proven mesh before launch in 2010

16 preclinical studies

#### Properties:

Prolene™ macroporous 3mm, thin filament mesh, allows for excellent parietal tissue integration and provides a flexible scar mesh. Shrink about 10%.

The MONOCRYL film is an effecttive tissue separating barrier-minimizes visceral attachments thus reducing the risk for complications and patient discomfort. It's partially absorbable and leaving a mesh which is compliant with the abdominal wall, promoting comfort and mobility.

ref:J-L Holste DVM; T Muench, DVM; P Shnoda, DVM; S Wohlert, PHD; L Mcroy, MD Ethicon Inc., Sommerville, New Jersey

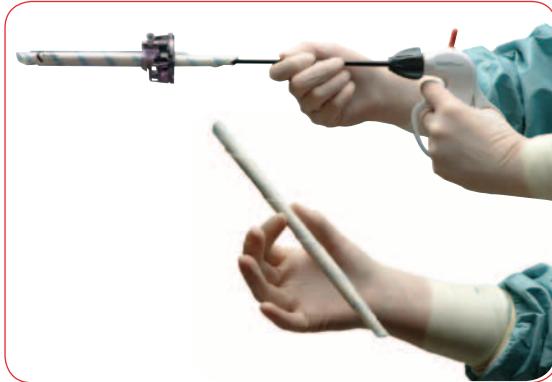
Dimensions	Packaging	Product Code
7 cm x 15cm rectangular shape	1 per box	PHY715R
10 x 15cm oval shape	1 per box	PHY1015V
15 x 15cm square shape	1 per box	PHY1515Q
15 x 20cm retangular shape	1 per box	PHY1520R
15 x 20 cm oval shape	1 per box	PHY1520V
20 x 25 cm oval shape	1 per box	PHY2025V
20 x 30cm retangular shape	1 per box	PHY2030R
25 x 35cm oval shape	1 per box	PHY2535V
30 x 35cm retangular shape	1 per box	PHY3035R
30 x 50cm retangular shape	1 per box	PHY3050R

## PROCEED™ Surgical Mesh

### Tissue-separating mesh

Strong, macroporous and partially absorbable lightweight.

For open and laparoscopic ventral hernia repair.



Permanent thin light polypropylene mesh

Combines good handling with comfort and security for your patients.

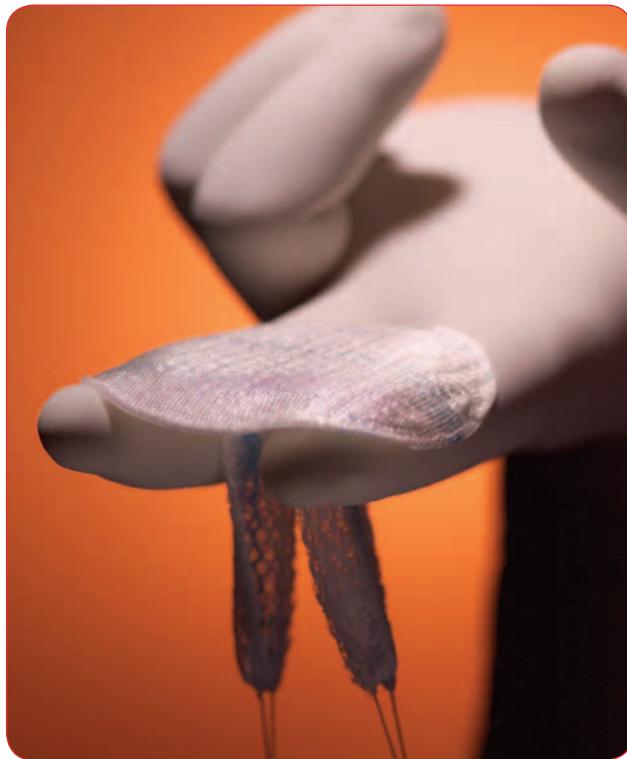
Clinically proven to give feasible results with very low complication rates and was found to offer technical advantages considering mesh handling.

(Berrevoet et al, Hernia 2009. Rosenberg et al. Hernia 2008.)

#### Properties:

- PROLENE™ Soft - Macroporous, lighter-weight mesh for strong tissue integration and a natural healing process.
- Bioresorbable Oxidized Regenerated Cellulose (ORC) - Minimizes tissue attachment.
- Absorbable polydioxanone (PDS) - Bonds the ORC to the mesh.

Dimensions	Packaging	Product Code
5 X 10 CM RECTANGULAR	1 per box	PCDB1
7.5 X 15 CM RECTANGULAR	1 per box	PCDR1
10 X 15 CM OVAL	1 per box	PCDN1
15 X 15 CM SQUARE	1 per box	PCDM1
10 X 20 CM RECTANGULAR	1 per box	PCDD1
15 X 20 CM OVAL	1 per box	PCDG1
20 X 25 CM OVAL	1 per box	PCDH1
20 X 30 CM RECTANGULAR	1 per box	PCDJ1
26 X 34 CM OVAL	1 per box	PCDT1
25 X 35.5 CM RECTANGULAR	1 per box	PCDW1
30.5 X 30.5 CM SQUARE	1 per box	PCDL1



**PROCEED™ Ventral Patch  
- PVP™**

For open hernia repair IPOM

Macroporous and partially absorbable tissue-separating device.

For comfortable healing of umbilical hernias and other fascial deficiencies.

**Allows your patients to heal naturally without compromising on strength**

Builds on PROCEED™ Surgical Mesh technology.

Unique design contours with the body for secure placement and stable positioning.

Macroporous, lighter-weight mesh for strong tissue integration and a natural healing process.

Partially Absorbable technology leaving minimal amount of permanent foreign material.

No ePTFE.



PVP™ upon deployment

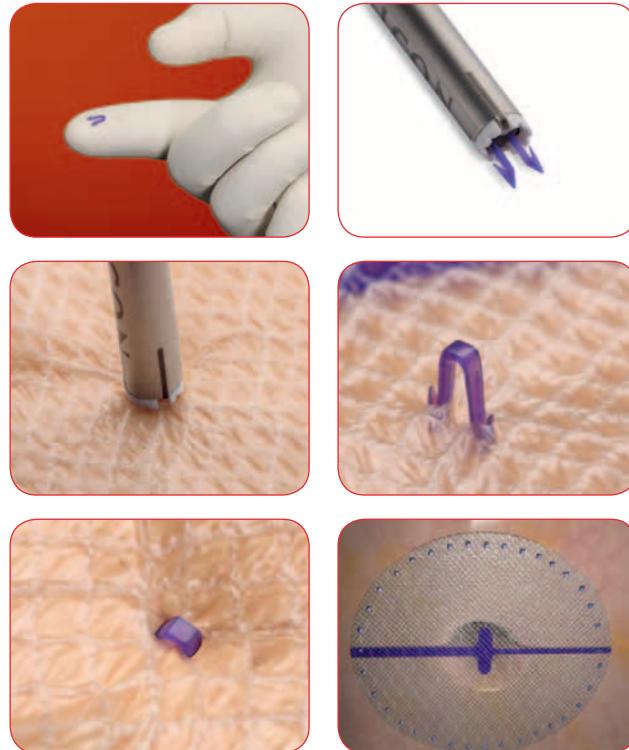
PVP™ at 14 days

Dimensions	Packaging	Product Code
4.3 cm x 4.3 cm	2 per box	PVPS
6.4 cm x 6.4 cm	2 per box	PVPM

## ETHICON SECURESTRAP™

5mm Absorbable strap fixation device. For fixation of prosthetic material to soft tissues in various laparoscopic and open surgical procedures, such as Hernia Repair.

Unique design delivers secure and consistent fixation for as long as you need it also in various angles then absorbs - leaving less implanted foreign material.



### Consistent Strap Deployment

When the trigger is depressed a spring inside the handle is compressed. At full stroke, the spring is released, deploying the strap with the same consistency - reducing user variability.



### Absorbable Dyed Straps

Synthetic absorbable straps dyed purple for clear visibility in the abdominal cavity. Minimal absorption in the first two weeks post implantation delivers secure mesh fixation during the tissue integration period. Degradation by hydrolysis significant after the critical tissue integration period has occurred and the polymer absorption is essentially complete at approx. 12 months.

*Ref: Prediction of In Vivo Total Absorption Time for ORION Implant Using In Vitro/In Vivo Correlation Degradation Model (AST-2009-0332)*

Dimensions	Packaging	Product Code
5mm singel use device with 25 absorbable STRAPS	6 device per box	STRAP25
5mm singel use device with 25 absorbable STRAPS	1 device per box	STRAP25R
5mm singel use device with 12 absorbable STRAPS	6 device per box	STRAP12



## ULTRAPRO™ Mesh

Macroporous partially absorbable and lightweight for natural abdominal wall function

- For lap. Inguinal hernia repair
- For open inguinal/lichtenstein
- For open incisional/ventral hernia repair

### Unique combination

Made up of equal parts of non-absorbable polypropylene fibres (PROLENE™) and absorbable polyglycaprone fibres (MONOCRYL), giving this the properties of large-pore mesh(3-4mm) MONOCRYL fibres reinforce the mesh making it easier to position. MONOCRYL is absorbed within 90 - 120 days.

Light-weight PROLENE™ Mesh remains in the body. Formation of a flexible collagen fibre network instead of a rigid scar formation.

### Life-long safety

Low recurrence rate due to permanent stabilisation ULTRAPRO Mesh exhibits extremely low shrinkage (average 1.9 %) and is therefore extremely suited to hernia repair (Heniford surg. INNO 205)

(Köckerling *surg endosc*.2007)

### A lifetime of comfort for your patients

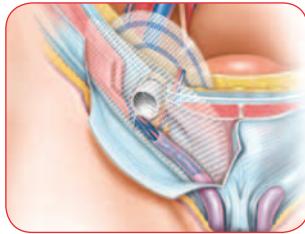
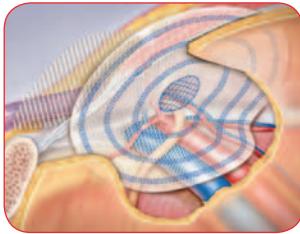
Macroporous partially absorbable lightweight meshes are clinically proven to cause less pain and discomfort than heavyweight meshes.

(Bringman *et al. BJoS* 2006)

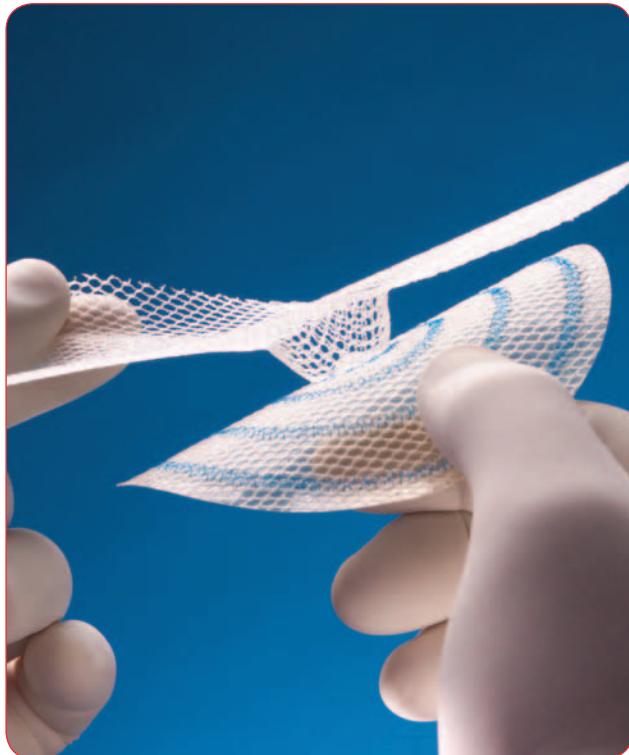
Dimensions	Packaging	Product Code
10 X 12 CM	3 per box	UMP3
7.5 X 15 CM	3 per box	UMR3
10 X 15 CM	3 per box	UMN3
15 X 15 CM	3 per box	UMM3
15 X 30 CM	1 per box	UMT1
30 X 30 CM	1 per box	UML1

## ULTRAPRO™ Hernia System, UHS

Macroporous partially absorbable  
and light weight for natural  
abdominal wall function.  
For open inguinal hernia repair.



UHS Posterior and Anterior view



### 3-In-1 device for the combined anterior & posterior open repair of groin hernias

- Onlay patch covers the inguinal canal floor.
- Connector - secures the underlay which virtually eliminates migration.
- Underlay - provides posterior support. MONOCRYL film allows consistent, wrinkle-free deployment.

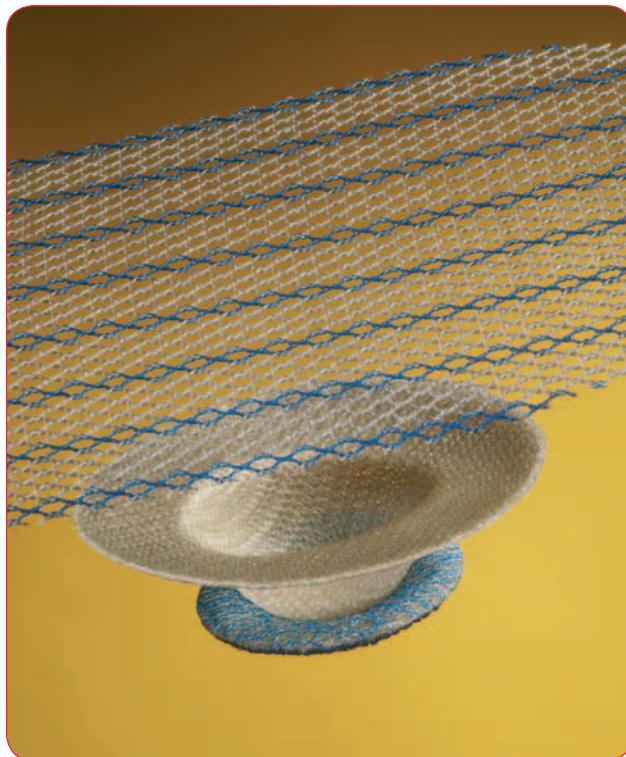
### Clinical data shows:

In conclusion, this study demonstrated that hernia surgery with 3D partly resorbable meshes is associated with low rates of recurrence and chronic pain. The rate of satisfied patients is high

*A. Koch, R. Lorenz, M. Wiese, H. Lippert for the working group Quality Assurance in day case hernia surgery in collaboration with the Quality institute for operative medicine, University of Magdeburg*



Dimensions	Packaging	Product Code	
Onlay Patch Underlay Patch	width: 6 cm length: 12 cm diameter: 7,5 cm	3 per box	UHSM Medium
Onlay Patch Underlay Patch	width: 6 cm length: 12 cm diameter: ~10 cm	3 per box	UHSL Large
Onlay Patch Underlay Patch	width: 6 cm length: 12 cm width: ~10 cm length: 12cm	3 per box	UHSOV Oval



## ULTRAPRO™ Plug, UPP

Macroporous partially absorbable, and lightweight for natural abdominal wall function

### Next generation plug & patch

- Easy to use, familiar technique.
- Lightweight and partially absorbable.
- Secure repair.

### A novel design

- Large onlay patch provides coverage of entire inguinal floor.
- Rim provides an intuitive platform for fixation.
- Body fills the defect with tapered 3-D mesh.
- Anchor designed to provide stability in the defect and minimize risk of migration.



Dimensions	Packaging	Product Code
Onlay Patch Plug	12 * 7,5 cm Rim diameter: 5 cm Anchor diameter: 3 cm	2 per box
Onlay Patch Plug	12 * 7,5 cm Rim diameter: 5 cm Anchor diameter: 4 cm	2 per box
Onlay Patch Plug	12 * 7,5 cm Rim diameter: 5 cm Anchor diameter: 5 cm	2 per box

## VYPRO™ II Mesh

Macroporous partially absorbable and multifilament lightweight mesh for open ventral and inguinal hernia repair

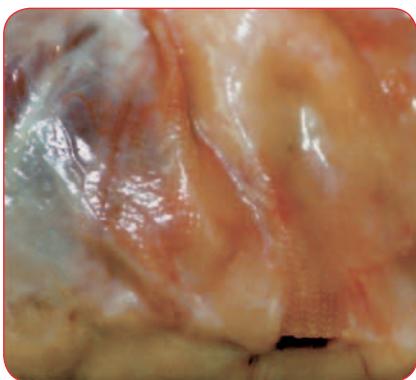
### PROLENE™

non-absorbable polypropylene

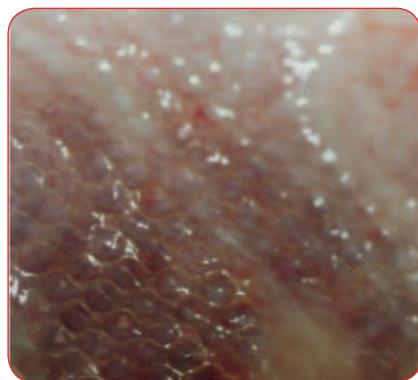
### VICRYL™

absorbable polyglactin

- Long-lasting mutual integration achieved with improved connective scar tissue formation compared to small pore meshes.
- Partially absorbable macroporous lightweight meshes are clinically proven to cause less pain and discomfort than heavyweight meshes (*Bringman et al. BJOS 2006*)
- Pore size 3-4mm



Traditional polypropylene mesh.  
90 days post-implantation. Fold development (in-vivo study)



Lightweight VYPRO\* II mesh. 90 days post-implantation. Fold-free incorporation (in-vivo study)

Dimensions	Packaging	Product Code
12cm x 10cm	3 per box	PVM2P3
15cm x 10cm	3 per box	PVM2N3
15cm x 15cm	3 per box	PVM2M3

## VYPRO™ Mesh

Macroporous partially absorbable multifilament lightweight mesh for open ventral hernia repair

### PROLENE™

non-absorbable polypropylene

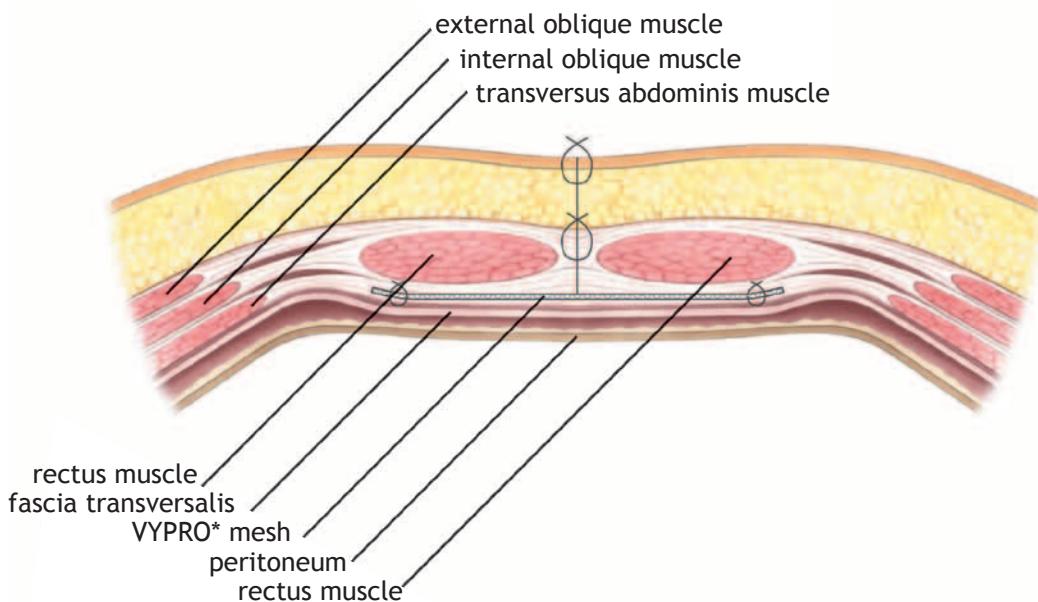
### VICRYL™

absorbable polyglactin

### VYPRO™

mesh is placed preperitoneally as a sublay.  
Pore size 4-5mm

- Direct contact between the mesh and intraperitoneal structures must be avoided by intact peritoneum.

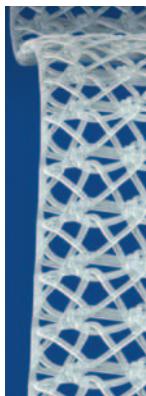


Dimensions	Packaging	Product Code
15 X 10 CM UNDYED	1 per box	PVMN1
15 X 15 CM UNDYED	1 per box	PVMM1
30 X 30 CM UNDYED	1 per box	PVML1

# Hernia Solutions

## PROLENE™ Mesh

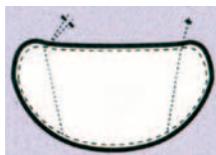
Polypropylene mesh



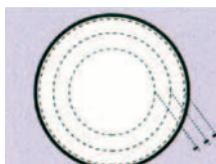
Dimensions	Packaging	Product Code
12 X 10 CM	3 per box	PMP3
15 X 7.5 CM	3 per box	PMR3
15 X 10 CM	3 per box	PMN3
15 X 15 CM	3 per box	PMM3
30 X 30 CM	1 per box	PML1

## VICRYL™ Mesh

Absorbable polyglactin mesh  
for temporary tissue support



VM102 18 X 10 CM  
Renal prosthesis



VM106 26 X 30 CM  
Splenic prosthesis

Dimensions	Packaging	Product Code
6 X 5 CM	3 per box	VM605
8 X 2 CM	1 per box	VM802
12 X 8 CM	3 per box	VM1208
15 X 8 CM	1 per box	VM101
25 X 15 CM	3 per box	VM2515
30 X 20 CM	3 per box	VM3020
18 X 10 CM Renal prosthesis	1 per box	VM102
26 X 30 CM Splenic prosthesis	1 per box	VM106

## MERSILENE™ Mesh

Polyester mesh



Dimensions	Packaging	Product Code
30 X 15 CM	1 per box	RM3015
30 X 30 CM	1 per box	RM3030
50 X 30 CM	1 per box	TS55

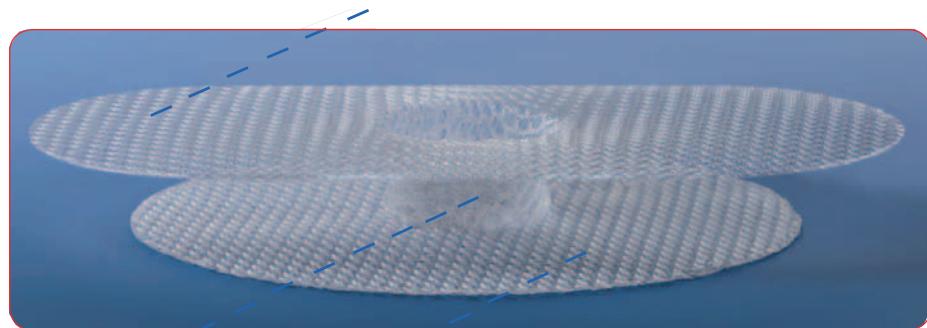
## PROLENE™ Hernia System

3-In-1 device for the combined anterior & posterior open repair of groin hernias

### Innovative three-in-one design

#### 1. Onlay Patch

Provides a patch for the floor of the inguinal canal providing the security of conventional mesh repair techniques.



#### 2. Connector

Sits in internal ring or defect. Secures overlay patch to underlay for security.

#### 3. Underlay Patch

Should be deployed, pre-peritoneally, after insertion to provide a posterior repair.



Dimensions	Packaging	Product Code
Onlay Patch width: 4,5 cm length: 10 cm Connector diameter: 1,91 cm height: 1,27 cm Underlay Patch diameter 7,5 cm	1 per box	PHSM1 Medium
Onlay Patch width: 4,5 cm length: 10 cm Connector diameter: 1,91 cm height: 1,27 cm Underlay Patch diameter 10 cm	1 per box	PHSL1 Large
Onlay Patch width: 5,5 cm length: 12,5 cm Connector diameter: 1,91 cm height: 1,27 cm Underlay Patch diameter: 10 cm	1 per box	PHSE1 extended

All three sizes are packed in flat, easy-to-store boxes with patient tracking labels.

## ETHICON Hernia Solutions

### One source for all your surgical needs



#### PHYSIOMESH™

Flexible composite mesh- MPPAM macro porous partially absorbable mesh. Tissue separating mesh for open and laparoscopic ventral/incisional hernia repair.



#### PROCEED™

Tissue separating and MPPAM\*. For open & laparoscopic Ventral/incisional hernia repair.



#### PVP™

Tissue separating and MPPAM\*. For open repair of umbilical hernias or other fascial defects.



#### ETHICON SECURESTRAP™

5mm Absorbable strap fixation device. For fixation of prosthetic material to soft tissues in various laparoscopic and open surgical procedures, such as hernia repairs.



#### ULTRAPRO™ Mesh

MPPAM\*. Pore size 3-4mm. Monofilament mesh for abdominal wall reinforcement. For open and lap. ventral/incisional and inguinal hernia repair.



#### ULTRAPRO™ Hernia System, UHS

MPPAM\*. 3-in-1 device for the combined anterior & posterior open repair of groin hernias.



#### ULTRAPRO™ Plug

A novel plug & patch design in MPPAM. For openinguinal hernia repair.



#### VYPRO™ II

MPPAM\*. Pore size 3-4mm Multifilament mesh for open and laparoscopic inguinal hernia repair.



#### VYPRO™

MPPAM pore size 5mm. Multifilament mesh for open incisional hernia repair.



#### PROLENE™

Monofilament polypropylene mesh for the repair of abdominal wall fascial defects.



#### PROLENET™ Hernia System, PHS

3-i-1 hernia device for the combined anterior & posterior repair of groin hernias.



#### VICRYL™

Completely absorbable mesh for temporary wound or organ support.



#### MERSILENE™

Pliable polyester mesh for the repair of abdominal wall fascial defects.

\*MPPAM: Macroporous partially absorbable light weight mesh

# Biosurgery

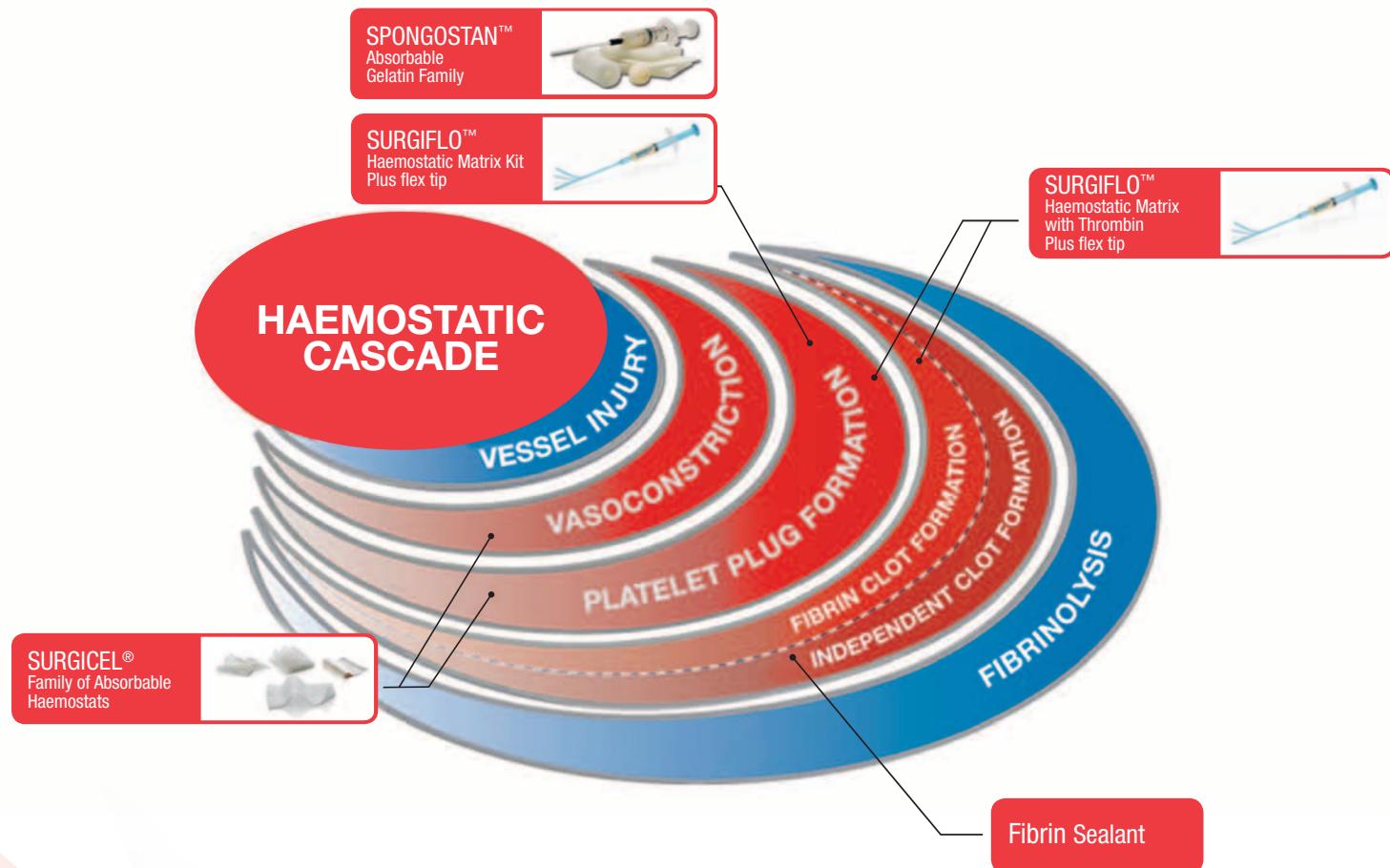
Spongostan family of products  
Surgicel family of products  
Surgiflo  
Surgiflo with Thrombin  
Epicel  
Omnex



**ETHICON**

PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

## Right Product, Right Time



### Our Commitment To You

- To provide the most comprehensive range of products to cope with the complexity of bleeding scenarios found in modern surgery
- Supporting healthcare professionals in making the right choice of product for the specific clinical situation, ensuring cost efficiency
- Constantly innovating to support healthcare professionals deliver optimal patient outcomes in the area of blood management

## INTRODUCING OUR FAMILY OF EXTENSIVE HAEMOSTATIC SOLUTIONS



Structured Non-Woven material delivers improved speed, handling and over performance versus Surgicel® Original® due to the increased surface contact, conformability and adherence to the bleeding site. Easy to reposition without sticking to instruments. Ideal for open and minimally invasive procedures.



Versatility, adherence and conformability in the most demanding procedures. Unique ORC-fibril technology delivers fast haemostasis.



Dense knit material provides excellent strength in the presence of heavy bleeding. Wrap it around tissue, insert through a trocar, or suture it in place for excellent application control.



Engineered for results. The advanced flowable haemostat achieves haemostasis in < 2 minutes when used with thrombin. Ideal for a broad range of surgical procedures and bleeding challenges.



For more information on Fibrin Sealants available from Ethicon™ Biosurgery, please contact your Product Specialist.



For flexibility and reliability. Trusted by surgeons for half a century to stop bleeding. Proven record of safety and efficacy.



SPONGOSTAN™ Absorbable Gelatin Sponge is available in a variety of sizes – including a pre-shaped haemorrhoidectomy sponge, which provides ease of use during temporary packing.

**For direct ordering and delivery contact your local ETHICON Biosurgery Product Specialist.**

Item code	Product name	Eaches/box
SS1EU4	OMNEX Surgical Sealant	4
MS0001	SPONGOSTAN FILM	20
MS0002	SPONGOSTAN STANDARD	20
MS0003	SPONGOSTAN SPECIAL	20
MS0004	SPONGOSTAN ANAL	20
MS0005	SPONGOSTAN DENTAL	24
MS0008	SPONGOSTAN POWDER	6
MS0010	SURGIFLO hemostatic matrix	1
MS0011	SURGIFLO w Thrombin	1
MS1995	SURGIFLO endoscopic applicator	6
1901SK	SURGICEL HEMOST. 5 X 35cm	10
1902SK	SURGICEL HEMOST. 10 X 20cm	10
1903SK	SURGICEL HEMOST. 5 X 7,5cm	10
1906SK	SURGICEL HEMOST. 1,25 X 5cm	10
1940SK	SURGICEL NU-KNIT 2,5 X 2,5cm	10
1942SK	SURGICEL NU-KNIT 5 X 7,5cm	10
1943SK	SURGICEL NU-KNIT 10 X 7,5cm	10
1946M	SURGICEL NU-KNIT 15 X 22cm	10
411961	SURGICEL FIBRILLAR 2,5 X 5cm	10
411962	SURGICEL FIBRILLAR 5,1 X 10,2cm	10
411963	SURGICEL FIBRILLAR 10,2 X 10,2cm	10
2091	SURGICEL SNow 2,5 X 5cm	10
2092	SURGICEL SNow 5,1 X 10,2cm	10
2093	SURGICEL SNow 10,2 X 10,2cm	10



# Other Products



**ETHICON**  
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

## Other products

## PRINEO\*

### Skin Closure System



PRINEO\* Skin Closure System is intended to replace subcuticular/intradermal suturing when there is no tension on the wound or when tension has been relieved by deep dermal or subcutaneous sutures.

PRINEO\* Skin Closure System significantly reduces closure time by combining advanced mesh technology with a topical skin adhesive. The system provides microbial barrier and maintains skin approximation until removed. Enables patients to shower immediately following a procedure.

PRINEO\* Skin Closure System consists of a self adhering, pressure-sensitive adhesive (PSA), polyester-based mesh for temporarily holding together the approximated skin edges of an incision and a 2-octyl cyanoacrylate liquid adhesive formulation for final skin/wound closure of incisions

#### Time Savings

- OR procedure time
- Anesthesia
- Post-Op Management

#### Suture Closure Equivalence

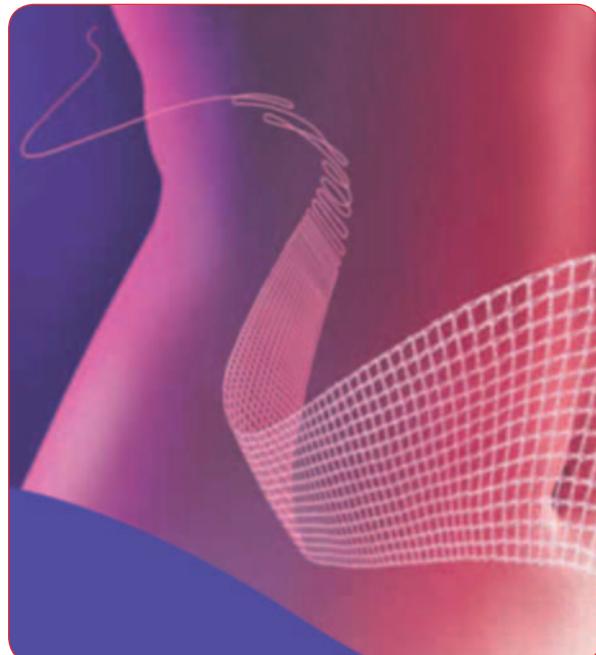
- Equivalent or Better Dehiscence
- Equivalent or Better Cosmesis

#### Ease of Use

- Wound Edge Approximation
- Minimal Learning Curve

#### Patient Comfort

- Ability to Shower Immediately
- No Blistering



Product Name	Size	Packaging	Product Code
PRINEO* Skin Closure System	Mesh dispenser contains 60 cm of mesh Adhesive applicator contains 2-Octyl Cyanoacrylate Adhesive Formulation 3,8 ml	2 Units Per Box	CLR602

Source: Data on file. Tensile Strength: CM Rpt 07PD048 and 07PD023. Comparison of Abdominal Pressure "Are meshes with Lightweight Construction Strong Enough? Int Surg 2005; 90 S10-12

# Other products



## INTRODUCING DERMABOND ADVANCED

### Product Overview

- Superior strength and microbial protection versus other commercially available topical skin adhesives<sup>2,3</sup>
- Single-layer application and reduced drying time<sup>2</sup>

### Product Performance

- Adds 75% more strength to the wound closure than sutures alone, when used in addition to sutures<sup>2</sup>
- In vitro inhibition of gram-positive bacteria (MRSA and MRSE) and gram-negative bacteria (E coli )\*
- Provides a microbial barrier with >99% protection in vitro for at least 72 hours against organisms commonly responsible for SSIs<sup>4\*\*</sup>

### Patient benefits

DERMABOND® Adhesive has benefits that enhance patient comfort and satisfaction<sup>5,6</sup>, such as:

- Excellent cosmesis<sup>7,8</sup>
- Ability to shower immediately after application<sup>9</sup>
- No need to remove sutures or change dressings<sup>7</sup>

### References

2. Data of File, Ethicon, Inc.
3. Singer AJ, Perry LC, Allen RL. In vivo study of wound-bursting strength and compliance of topical skin adhesives. *Acad Emerg Med.* 2008;15(12):1290-1294.
4. Bhende S, Rothenburger S, Spangler DJ, Dito M. In vitro assessment of microbial barrier properties of Dermabond Topical Skin Adhesive. *Surg Infect (Larchmt).* 2002;3 (3):251-257.
5. Nipshagen MD, Hage JJ, Beekman W. Use of 2-octyl-cyanoacrylate skin adhesive (Dermabond) for wound closure following reduction mammoplasty: a prospective, randomized intervention study. *Plast Reconstr Surg.* 2008;122:10-18.
6. Scott GR, Carson CL, Borah G. Dermabond skin closures for bilateral reduction mammoplasties:a review of 255 consecutive cases. *Plast Reconstr Surg.* 2007;120:1460-1465.
7. Toriumi DM, O'Grady K, Desai D, Bagal A. Use of octyl-2-cyanoacrylate for skin closure in facial plastic surgery. *Plast Reconstr Surg.* 1998;102:2209-2219.
8. Quinn J, Wells G, Sutcliffe T, et al. A randomized trial comparing octylcyanoacrylate tissue adhesive and sutures in the management of lacerations. *JAMA.* 1997;277(19):1527-1530.
9. Rubio PA. Use of semiocclusive, transparent film dressings for surgical wound protection: experience in 3637 cases. *Int Surg.* 1991;76:253-254.



## The Range at a Glance

DERMABOND* Mini	Small vial for use in the emergency room
DERMABOND* Regular	Regular vial for use in the emergency room
DERMABOND* Propen	For use in the OR
DERMABOND* Propen XL	For use in the OR, for longer incisions
DERMABOND* ADVANCED	New improved formula, for use in the OR



Product Name	Size	Packaging	Product Code
DERMABOND* Mini	0.36 ml	12 Ampoules	AHVM12
DERMABOND* Regular	0.5 ml	6 Ampoules	AHV6
DERMABOND* Regular	0.5 ml	12 Ampoules	AHV12
DERMABOND* ProPen	0.5 ml	6 Ampoules	APP6
DERMABOND* ProPen XL	0.75 ml	6 Ampoules	APPXL6
DERMABOND* Advanced	0.7 ml	6 Ampoules	ANX6
DERMABOND* Advanced	0.7 ml	12 Ampoules	ANX12

ETHICON INTRODUCES

# An exciting new option for tissue control

STRATAFIX™ Knotless Tissue Control Devices—a portfolio of products appropriate for a broad range of surgical applications

### Consistency—More consistent tension control and approximation during closure\*

- Unique anchor design provides multiple points of fixation along the suture line, allowing tension on the suture to be maintained during closure
- Compared to traditional sutures, enables surgeons to easily manage tension and control approximation with each pass

### Security—Strength and security of interrupted suturing without knot-related complications

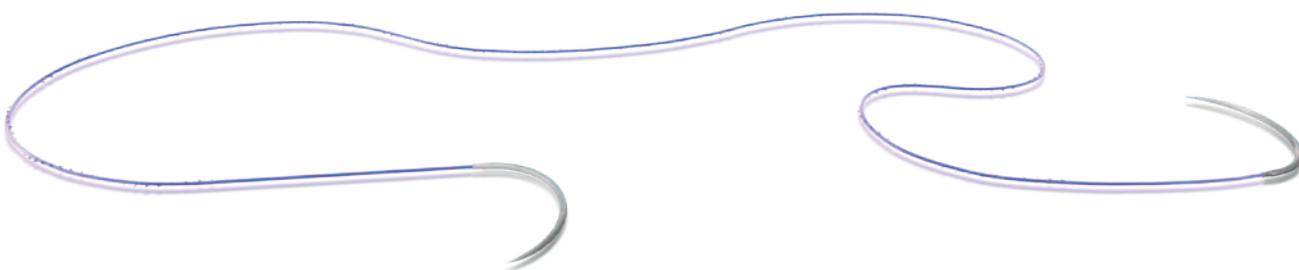
- Anchors running along the length of STRATAFIX™ Devices provide secure fixation, eliminating the need for knots
- In preclinical studies, multiple cuts to a STRATAFIX™ Spiral Knotless Tissue Control Device did not result in tissue separation<sup>1-3</sup>

### Efficiency—More efficient than continuous suturing

- No need for an assistant to follow the suture line
- With equal strength and security, STRATAFIX™ Devices can close wounds substantially faster than using an interrupted technique<sup>1-8</sup>

### STRATAFIX™ Spiral Knotless Tissue Control Devices

A broad range of bidirectional devices appropriate for several closure techniques



**Stratafix™**  
KNOTLESS TISSUE CONTROL DEVICE  
Secure every pass.

## STRATAFIX™ Knotless Tissue Control Devices are available in short-term, long-term, and nonabsorbable polymers in a portfolio of sizes and lengths, with multiple needle types



### Consistency

More consistent tension control and approximation during closure\*

### Security

Strength and security of interrupted suturing without knot-related complications

### Efficiency

More efficient than continuous suturing

\*Compared to traditional sutures.

**Stratafix™**  
KNOTLESS TISSUE CONTROL DEVICE  
Secure every pass.

#### References:

1. Data on file. Ethicon, Inc.
2. Moran ME, Marsh C, Perrotti M. Bidirectional-barbed sutured knotless running anastomosis v classic Van Velthoven suturing in a model system. *J Endourol*. 2007;21(10):1175-1178.
3. Vakil JJ, O'Reilly MP, Sutter EG, Mears SC, Belkoff SM, Khanuja HS. Knee arthroscopy repair with a continuous barbed suture: a biomechanical study. *J Arthroplasty*. 2011;26(5):710-713.
4. Eickmann T, Quane E. Total knee arthroplasty closure with barbed sutures. *J Knee Surg*. 2010;23(3):163-167.
5. Einarsson JI, Chavan NR, Suzuki Y, Jonsdottir G, Vellinga TT, Greenberg JA. Use of bidirectional barbed suture in laparoscopic myomectomy: evaluation of perioperative outcomes, safety, and efficacy. *J Minim Invasive Gynecol*. 2011;18(1):92-95.
6. Levine BR, Ting N, Della Valle CJ. Use of a barbed suture in the closure of hip and knee arthroplasty wounds. *Orthopedics*. 2011;34(9):e473-e475.
7. Rodeheaver GT, Pineros-Fernandez A, Salopek LS, et al. Barbed sutures for wound closure: in vivo wound security, tissue compatibility and cosmesis measurements. In: Transactions from the 30th Annual Meeting of the Society for Biomaterials; Mount Laurel, NJ; 2005. p. 232.
8. Warner JP, Gutowski KA. Abdominoplasty with progressive tension closure using a barbed suture technique. *Aesthet Surg J*. 2009;29(3):221-225.
9. *Wound Closure Manual*. 2007. Ethicon, Inc.

# Other products

## Stratafix™

### Spiral PDO

KNOTLESS TISSUE CONTROL DEVICE

Needle	Length	Size	5-0	4-0	3-0	2-0	0	1
19 mm, 3/8 Circle Reverse Cutting, FS-2	7 cm x 7 cm		SXPD2B421	SXPD2B422				
	14 cm x 14 cm			SXPD2B423				
26 mm, 3/8 Circle Reverse Cutting, FS	14 cm x 14 cm				SXPD2B417	SXPD2B418		
	24 cm x 24 cm				SXPD2B419	SXPD2B420		
26 mm, 1/2 Circle Reverse Cutting, CP-2	24 cm x 24 cm						SXPD2B415	SXPD2B416
36 mm, 1/2 Circle Reverse Cutting, OS-6	24 cm x 24 cm							SXPD2B200
	30 cm x 30 cm							SXPD2B201
40 mm, 1/2 Circle Reverse Cutting, OS-8	36 cm x 36 cm							SXPD2B202
17 mm, 3/8 Circle Tapercut, V-4	24 cm x 24 cm			SXPD2B426				
26 mm, 3/8 Circle Tapercut, V-26	24 cm x 24 cm		SXPD2B424					
	14 cm x 14 cm		SXPD2B425					
22 mm, 1/2 Circle Taper Point, CT-3	14 cm x 14 cm						SXPD2B404	
26 mm, 1/2 Circle Taper Point, SH	10 cm x 10 cm					SXPD2B413		
	14 cm x 14 cm					SXPD2B414		
36 mm, 1/2 Circle Taper Point, MH	7 cm x 7 cm				SXPD2B406			
	14 cm x 14 cm				SXPD2B407	SXPD2B409		
	24 cm x 24 cm				SXPD2B408	SXPD2B410		
	30 cm x 30 cm					SXPD2B411		
	36 cm x 36 cm				SXPD2B412			
36 mm, 1/2 Circle Taper Point, CT-1	14 cm x 14 cm						SXPD2B401	
	24 cm x 24 cm						SXPD2B402	
	30 cm x 30 cm						SXPD2B403	
36 mm, 1/2 Circle Taper Point, MO-4	36 cm x 36 cm						SXPD2B400	
48 mm, 1/2 Circle Taper Point, CTX	36 cm x 36 cm							SXPD2B405

## Stratafix™ Spiral PGA-PCL

KNOTLESS TISSUE CONTROL DEVICE

Needle	Length	Size*	5-0	4-0	3-0	2-0	0	1
19 mm, 3/8 Circle Reverse Cutting, FS-2	7 cm x 7 cm			SXMD2B405	SXMD2B404			
	14 cm x 14 cm			SXMD2B407	SXMD2B406			
	30 cm x 30 cm			SXMD2B409	SXMD2B408			
24 mm, 3/8 Circle Reverse Cutting, FS-1	30 cm x 30 cm			SXMD2B150	SXMD2B410			
	14 cm x 14 cm				SXMD2B411			
26 mm, 3/8 Circle Reverse Cutting, FS	30 cm x 30 cm			SXMD2B413	SXMD2B412			
	14 cm x 14 cm					SXMD2B414		
17 mm, 1/2 Circle Taper Point, RB-1	16 cm x 16 cm			SXMD2B403	SXMD2B402			
36 mm, 1/2 Circle Taper Point, MH	14 cm x 14 cm					SXMD2B400		
	36 cm x 36 cm					SXMD2B401		

## Stratafix™ Spiral Polypropylene

KNOTLESS TISSUE CONTROL DEVICE

Needle	Length	Size	5-0	4-0	3-0	2-0	0	1
22 mm, 1/2 Circle Taper Point, CT-3	14 cm x 14 cm						SXPL2B401	
36 mm, 1/2 Circle Taper Point, CT-1	24 cm x 24 cm							SXPL2B400

**STRATAFIX™** Knotless Tissue Control Devices are available in short-term, long-term, and nonabsorbable polymers in a portfolio of sizes and lengths, with multiple needle types.

\*Represents tensile suture size.  
See IFU for additional information.

### BLAKE\* Silicone Drains

BLAKE Drains offer excellent drainage with four continuous channels that provide greater tissue contact area than regular perforated drains in addition to multiple drainage routes to resist clogging.<sup>1</sup> BLAKE Drains are constructed of silicone, with a solid-center design for strength and flexibility.

The drains are available with and without Ethicon's patented bendable TROCAR technology, which can be angled to facilitate easier placement of the drain (Round Hubless BLAKE Drains only).

The design of the drains allows greater patient comfort and enhanced ambulation. Patients experience less discomfort upon removal, greater ease of mobility postoperatively, and less discomfort during patient movement and deep breathing exercises.<sup>2,3,4</sup>



#### REFERENCES

- 1 Frankel TL. Silastic drains vs conventional chest tubes after coronary artery bypass. *Chest*. 2003; 124: 108-113.
- 2 Payne M. Left pleural effusion after coronary artery bypass decreases with a supplemental pleurel drain. *Ann Thorac Surg*. 2002; 73:149-152.
- 3 Obney JA. A method for mediastinal drainage after cardiac procedures using small silastic drains. *Ann Thorac Surg*. 2000; 70:1109-1110.
- 4 Gundy SR. Facile minimally invasive cardiac surgery via ministernotomy. *Ann Thorac Surg*. 1998; 65:1100-1104.

Product	Material	Packaging	Code
<b>J-VAC RESERVOIRS</b> 	100 cc Bulb Suction Reservoir	10 Per Box	2160
	150 ml Reservoir	10 Per Box	2161
	450 ml Reservoir	10 Per Box	2162
	300 ml Reservoir	10 Per Box	2163
<b>SILICONE DRAINS</b> 	7 mm Flat, 3/4 Fluted 10 mm Flat, 3/4 Fluted 10 mm Flat, Full Fluted 10 mm Flat, Full Fluted, 3/16" Trocar	10 Per Box	2210 2213 2214 2215
	Hubless, 10 FR Round Hubless, 10 FR Round, 1/8" Trocar Hubless, 15 FR Round Hubless, 15 FR Round, 3/16" Trocar Hubless, 19 FR Round Hubless, 19 FR Round, 1/4" Trocar Hubless, 19 FR Round, 1/4" Bendable Trocar Hubless, 15 FR Round, 3/16" Bendable Trocar Hubless, 24 FR Round	10 Per Box	2226 2227 2228 2229 2230 2231 2232 2233 2234
<b>CARDIO CONNECTORS</b>   	Cardio Connector 1:1 Cardio Connector 2:1 Cardio Connector 3:1	20 Per Box 20 Per Box 20 Per Box	BCC1 BCC2 BCC3

### POWERSTAR® bipolar scissors



#### BIPOLAR SCISSORS FOR OPEN SURGERY

PowerStar scissors are multifunctional, for precise cutting, dissecting and achieving hemostasis with one instrument.

This leads to fewer instrument changes, thus reducing operating time and allowing an uninterrupted focus on the surgical site.

The safety of advanced bipolar technology minimizes undesired collateral tissue damage, as the current only passes through the tissue between the blades.

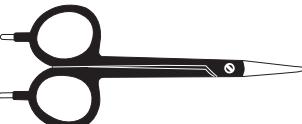
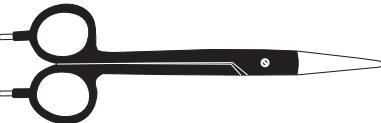
Because of the short bipolar current pathway, PowerStar may be a safer alternative to monopolar surgery in patients with pacemakers or implants and may reduce ECG interferences.

The two blades of the scissors are insulated from one another to form the active electrodes of the bipolar instrument. This is achieved by applying a ceramic coat to one surface of the scissor blade and clear surface hardening to the other. An insulated screw is inserted and the handles are coated.

PowerStar scissors are available in various lengths and designs to best suit your requirements. Cables with different connectors can be obtained to ensure compatibility with most electrosurgery generators.

**POWERSTAR®**

## POWERSTAR\* bipolar scissors

Product	Code
	PowerStar Tenotomy 115 mm (4 1/2') curved BP 100
	PowerStar Mayo 170 mm (6 3/4') curved BP 720
	PowerStar Metzenbaum 175 mm (7') curved BP 520
	PowerStar Metzenbaum 230 mm (9') curved BP 540
	PowerStar Metzenbaum 280 mm (11') curved BP 560
	PowerStar Metzenbaum Fine 175 mm (7') curved BP 320
	PowerStar Metzenbaum Fine 230 mm (9') curved BP 340
	PowerStar Metzenbaum Fine 280 mm (11') curved BP 360

## POWERSTAR\* Cable

Generator	Other information	Code
Martin, Berchtold, Wolf, Aesculap	5 m	BP 910
Erbe, Storz	5 m	BP 930
Pegasys, Valleylab	5 m, fixed "banana"	BP 940

## PROXIMATE PLUS MD



### Stapler-grip Skin Staplers

#### Ease of Use

- The ergonomic design of the non-reloadable, disposable Proximate Plus handle ensures easy handling.
- The staples are applied by pressing the handle, with no further movement in any direction.

#### Excellent Cicatrical Results

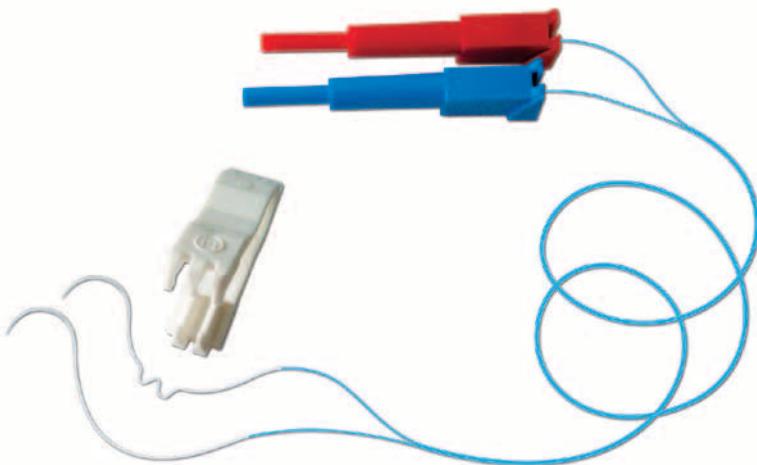
- The large opening situated on the head of the stapler enables ideal tissue placement under the crown of the staple and perfect central positioning relative to the incision.
- Consistent staple formation ensures good cosmesis.
- Polytetrafluoroethylene (PTFE) lubricant coats the staples facilitating penetration and less painful removal after wound healing.
- Two staple sizes accommodate all incision types.

		Staple size	Staple span	No. of staples	Pieces/box	Product Code
	Rotating head	Wide	6,9 mm	35	6	PRW35
	Fixed head	Regular Wide	5,7mm 6,9mm	35 35	6 6	PXR35 PXW35
	Fixed head	Regular Wide	5,7mm 6,9 mm	35 35	6 6	PMR35 PMW35
	STAPLE EXTRACTOR				12	PSX

## Tapes and Cords

Needle	Material	Size	Length	Description	Color	Number per box	Code
	ETHIBOND* Cord	1 MM	150		○	24	EH381E
2 x BP-2	MERSILENE* Cord	0,9MM	40	48mm blunt point needle	○	12	RS62G
Non-needed	MERSILENE* Tape	4MM	75		●	24	EH396E
Non-needed	MERSILENE* Tape	5MM	30		○	12	RS5MG
Non-needed	MERSILENE* Tape	7MM	90		●	12	EH397G
2 x BP-1	MERSILENE* Tape	5MM	40	65mm blunt point needle	○	12	RS21G
2 x CTX	MERSILENE* Tape	5MM	40	48mm taper point needle	○	12	RS22G
2 x BP-3	MERSILENE* Tape	5MM	40	35mm blunt point needle	○	12	RS23G
CT-1	PDS* Cord	0,8MM	75	36mm taper point needle	●	12	Z809G
CCS	PDS* Cord	1MM	75	48mm cutting needle	●	12	Z812G
2 x V-68	PDS* Cord	1,3MM	75	70mm straight TAPERCUT* needle	●	3	ZK1328
V-40	PDS* Cord	1,5MM	75	48mm TAPERCUT* needle	●	12	Z838G
Non-needed	PDS* Cord	2MM	70	With transosseus wire for temporary stress protection of anterior cruciate ligament	●	3	ZK2017
Non-needed	PDS* Tape	5MM	30		●	3	ZH503
Non-needed	PDS* Tape	7,5MM	60		●	3	ZH706
Non-needed	PDS* Tape	10MM	30		●	3	ZH1003
BP-1	VICRYL* Tape	3MM	60	65mm blunt point needle	●	12	V152G
BP-2	VICRYL* Tape	3MM	60	48mm blunt point needle	●	12	V153G
PB-6W	VICRYL* Tape	3MM	60	69mm blunt ski needle	●	12	V159G
Non-needed	VICRYL* Tape	10MM	30		●	3	VH1003
Non-needed	Cotton Umbilical Tape		75		○	24	U11C
Non-needed	Nylon Tape	3MM	70		○	12	W275
		6 MM	70		○	12	W277

## Other products



### Temporary Cardiac Pacing Wires Bipolar Electrodes

#### Characteristics

Braided steel wire.

Each kit contains one bipolar electrode, 2 plugs (one red, one blue) and a z-clip.

Needles	Size Usp	length cm	other	no per box	code
▼ KS 60 mm ⊙ RB-1 17 mm	3-0	60		6	BPW13
▼ KS 60 mm ⊙ SH 26 mm	3-0 3-0 3-0	60 200 200		6 6 6	BPW11 BPW211 BPW251

### Monopolar Electrodes

#### Characteristics

Braided steel wire.

Needles	Size Usp	length cm	other	no per box	code
KS 60 mm SH 26 mm	3-0	2x60	Kit with plugs	6	TSE11
KS-S 60 mm SH 26 mm	3-0	60		24	MPW10E

## ENDOLOOP\*

Size mm	Suture Color	Length (cm)	Other information	Number per box	Code
3-0	●		PDS* II loop ligature	12	MIC108G
2-0	●		PDS* II loop ligature	12	MIC109G
0	●		PDS* II loop ligature	12	MIC110G
0	●	50	VICRYL* loop ligature	12	EJ11
0	●	50	PDS* loop ligature	12	EZ11
0	●	90	PROLENE* loop	12	EH464G
1	●		VICRYL* loop ligature	24	VS354E
1	●		PDS* II loop ligature	12	MIC111G
1	●		PDS* II loop ligature, large	12	MIC113G

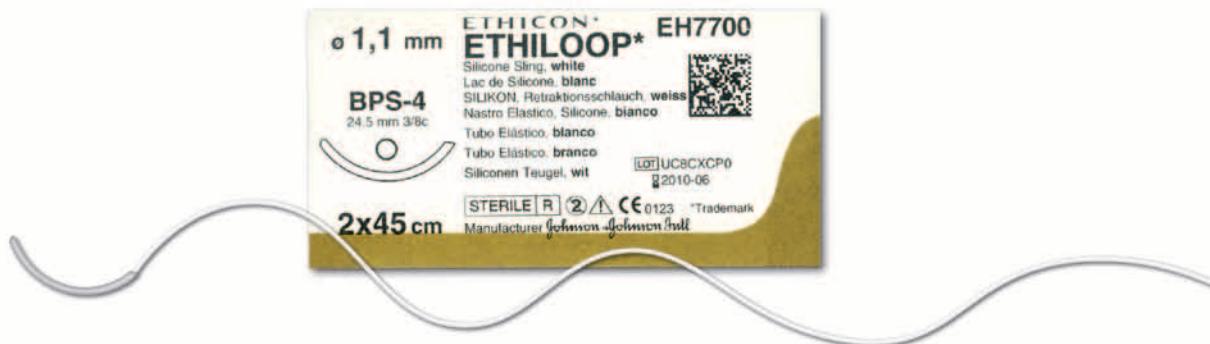
# Other products

## Endosutures

Needle	Size mm	Suture Color	Length (cm)	Other information	Number per box	Code
BB	17 mm	3-0	●	7 PDS* II, with 2 medium-sized ABSOLOK clips	24	MIC54E
		3-0	●	10 PDS* II, with 2 medium-sized ABSOLOK clips	24	MIC55E
ST-4  VISI-BLACK	19 mm	4-0	●	20 VICRYL*	36	MIC103H
		3-0	●	20 VICRYL*	36	MIC573H
		3-0	●	7 PDS* II, with 2 medium-sized ABSOLOK clips	24	MIC52E
		2-0	●	100 PDS* II ETHI-ENDO-NAHT Suture ligature	12	MIC133G
SKI-22	22 mm	2-0	●	20 Silk	24	E4103S
JB	26 mm	2-0	●	20 PDS* II	36	MIC160H
		2-0	●	120 ETHIBOND* Excel	36	MIC253H
JBT  VISI-BLACK	26 mm	3-0	●	20 PDS* II	36	MIC182H
		2-0	●	120 ETHIBOND* Excel	36	MIC252H
		2-0	●	100 PDS* II ETHI-ENDO-NAHT Suture ligature	12	MIC131G
		3-0	●	40 VICRYL* Loop	36	MIC540H
		3-0	●	20 VICRYL*	36	MIC552H
		3-0	●	20 VICRYL*	36	MIC582H
		2-0	●	120 VICRYL*	36	MIC585H
		3-0	●	120 VICRYL*	36	MIC586H

## ETHILOOP\*

### Silicone Vessel Slings



Needle	Size mm	Suture Color	Length (cm)	Other information	Number per box	Code
BPS-4 	25 mm	1,1	○	45 2 per pack, 3/8 circle blunt point needle	24	EH7700E
Non-needled	1,3	○	45	2 per pack	24	EH382E
	1,3	●	45	2 per pack	24	EH383E
	1,3	●	45	2 per pack	24	EH384E
	2	○	45	2 per pack	6	EH386
	2	●	45	2 per pack	6	EH387
	2	●	45	2 per pack	6	EH388
	2	●	45	2 per pack	6	EH389

## Other products

### PDS\* Plates

PDS\*Plates (poly-p-dioxanone) Synthetic absorbable implant for orbital floor repair

DESCRIPTION	PACKAGING	CODE
0.25mm x 30mm x 40mm	3 packs per box	ZX3
0.5mm x 30mm x 40mm	3 packs per box	ZX4
0.25mm x 40mm x 50mm	3 packs per box	ZX5
0.5mm x 40mm x 50mm	3 packs per box	ZX6
0.15mm x 30mm x 40mm	3 packs per box	ZX7
0.15mm x 40mm x 50 mm	3 packs per box	ZX8



**ZX3**  
0.25mm x 30mm x 40mm



**ZX5**  
0.25mm x 40mm x 50mm



**ZX7**  
0.15mm x 30mm x 40mm  
with perforations



**ZX8**  
0.15mm x 40mm x 50mm  
with perforations

## Pledgets

Needle	Size mm	Description	Number per box	Code
ETHSORB* Pledget	15mm x 30mm x 1 mm	Absorbable pledget	12	ZV1530G
ETHISORB* Pledget	15mm x 90mm x 1 mm	Absorbable pledget	6	ZV1590
Teflon pledget	3mm x 3mm	Firm non-absorbable pledget, 5 pieces per pack	36	X948H
Teflon pledget	3mm x 6mm	Firm non-absorbable pledget, 5 pieces per pack	36	X273H
Teflon pledget	8mm x 5mm	Soft non-absorbable pledget, 2 pieces per pack	12	X619G
Teflon pledget	8mm x 5mm	Firm non-absorbable pledget, 2 pieces per pack	36	X627H
Teflon pledget	20mm x 40mm	Soft non-absorbable pledget, 1 piece per pack	12	EH370G

## ETHISORB\* Absorbable Femur Plugs

Needle	Size mm	Description	Number per box	Code
Femur Plug	30mm (top) * 8mm (bottom)		6	ZV3000
Applicator		Reusable, non-sterile	1	ZV2001

## Other products

Product	Description	Number per box	Code
Suture cabinet, basic unit	8 lots	1	R8
Suture cabinet extension unit	8 lots	1	R9
Bone wax	2,5 g	24	W810T
Polypropylene buttons		12	520G
Cataract Procedure Kit	Silk 4-0 FS-3 30cm, ETHILON* 10-0 TG140-6 25cm	12	W7700
Retention Bridge	3 adjustable bridges per pack	6	RSB5
ETHITOUCHE* 21x30cm	Polyester fleece for temporary wound covering	3	EH467



● 1/2 Circle Taper Point	▲ 1/2 Circle Cutting	▲ 3/8 Circle Cutting			
FSH-26	18 mm	FCP-20	21 mm	FFS-22	17 mm
FSH-24	21 mm	FCP-18	23 mm	FFS-18	24 mm
FSH-22	24 mm	FCP-16	29 mm	FFS-16	29 mm
FSH-20	29 mm	FCP-14	32 mm	FFS-14	32 mm
FSH-18	31 mm	FCP-12	34 mm	FFS-12	36 mm
FSH-14	40 mm	FCP-10	41 mm	FFS-10	41 mm
FSH-10	50 mm	FCP-8	46 mm	FFS-8	44 mm
FSH-8	55 mm	FCP-6	49 mm	FFS-2	67 mm
FSH-2	70 mm	FCP-4	61 mm		
		FCP-2	70 mm		

● 1/2 Circle Taper Point (Heavier Wire Diameter)	● 5/8 Circle Taper Point (Heavier Wire Diameter)	▲ 1/2 Circle Cutting (Heavier Wire Diameter)			
FCT-20K	28 mm	FUR-18K	32 mm	FCP-16K	28 mm
FCT-16K	37 mm	FUR-16K	36 mm	FCP-10K	40 mm
FCT-14K	40 mm	FUR-14K	40 mm	FCP-6 K	50 mm
FCT-4K	65 mm	FUR-6K	60 mm		
		FUR-4K	65 mm		



● 1/2 Circle Taper Point	▲ 1/2 Circle Cutting	▲ 3/8 Circle Cutting			
ESH-2 ESH-1 ESH-3 EMH-1 ESH-4 EMH ELH	20 mm 21 mm 26 mm 30 mm 31 mm 36 mm 40 mm	ECP-5 EX-1 ECP 2 ECP-4 ECP-3 ECP-1 ECP	20 mm 23 mm 26 mm 31 mm 35 mm 36 mm 40 mm	EM-2 EFS-2 EFS-1 EFS-4 EFSL EFS-5 EKP-2 EKP-3	14 mm 19 mm 24 mm 29 mm 30 mm 40 mm 63 mm 90 mm

● 1/2 Circle Taper Point Heavier Wire Diameter					
ECT-3 ECT 2 ECT-4 ECT-5 ECT-1	21 mm 26 mm 32 mm 35 mm 36 mm	ECT ECTX ETH	40 mm 48 mm 68 mm		

● 3/8 Circle Taper Point	▼ Straight Cutting
ETE	32 mm
	EKS-3 EKS-2 EKS EKS-1
	89 mm 70 mm 64 mm 45 mm
EST-1 EST	45 mm 51 mm

● Straight Taper Point
EST-1
EST



# Index

4PK2575YE .....	41	1778G.....	121	6965H.....	111	8766H.....	81	BA2932H .....	68
4TB7177E .....	110	1780G.....	132	6976H.....	112	8776H.....	82	BC2573H .....	44
6OB2545YE .....	44	2160 .....	169	6977H.....	112	8831H.....	84	BCC1 .....	169
6OF8348G.....	137	2161 .....	169	6987H.....	112	8832H.....	84	BCC2 .....	169
8PM2544YG .....	42	2162 .....	169	7060G.....	103	8833H.....	84	BCC3 .....	169
400G .....	137	2163 .....	169	7475H.....	86	8834H.....	84	BE3294 .....	112
443H .....	130	2210 .....	169	8205H.....	83	8841H.....	81	BLL6375E .....	111
520G .....	179	2213 .....	169	8207H.....	81	8870H.....	83	BP 100 .....	171
554G .....	139	2214 .....	169	8335H.....	81	8871H.....	83	BP 320 .....	171
603H .....	137	2215 .....	169	8357H.....	83	8872H.....	83	BP 340 .....	171
611H .....	100	2226 .....	169	8411H.....	84	8880H.....	83	BP 360 .....	171
627H .....	102	2227 .....	169	8412H.....	84	8881H.....	83	BP 520 .....	171
628H .....	102	2228 .....	169	8422H.....	84	8889H.....	83	BP 540 .....	171
629H .....	131	2229 .....	169	8423H.....	84	8890H.....	83	BP 560 .....	171
632H .....	130	2230 .....	169	8424H.....	84	8925H.....	87	BP 720 .....	171
639H .....	131	2231 .....	169	8425H.....	84	8934H.....	88	BP 910 .....	171
640H .....	131	2232 .....	169	8434H.....	85	8935H.....	88	BP 930 .....	171
644H .....	100	2233 .....	169	8443H.....	88	8936H.....	88	BP 940 .....	171
648H .....	102	2234 .....	169	8444H.....	88	8937H.....	88	BPW11 .....	174
653BG .....	138	2808G.....	103	8521H.....	84	8941H.....	87	BPW13 .....	174
660H .....	100	2809G.....	103	8522H.....	84	8942H.....	87	BPW211 .....	174
667H .....	100	2810G.....	103	8523H.....	84	8943H.....	87	BPW251 .....	174
677H .....	131	2814G.....	103	8527G.....	85	8951H.....	88	BV1389 .....	47
679H .....	131	3460TG .....	101	8556H.....	83	8952H.....	88	C267 .....	29
680H .....	131	5642H.....	125	8557H.....	83	8953H.....	88	C427 .....	29
681H .....	131	6411H.....	110	8558H.....	83	8954G.....	88	C459 .....	29
682H .....	131	6424H.....	110	8580H.....	83	8962H.....	88	C1041 .....	30
684H .....	131	6425H.....	110	8581H.....	83	8963H.....	88	CB84E .....	109
685H .....	131	6517H.....	113	8592H.....	89	8964H.....	88	CLR602 .....	161
688H .....	130	6518H.....	113	8614H.....	90	8975H.....	88	D9813 .....	111
691H .....	99	6521H.....	109	8622H.....	91	8976H.....	88	D9814 .....	111
697H .....	99	6522H.....	109	8623H.....	91	8977H.....	88	DF2570H .....	44
698H .....	99	6523H.....	109	8629H.....	90	18501G .....	130	DF2573H .....	44
699H .....	99	6524H.....	109	8648H.....	89	18502G .....	130	E4103S .....	176
706H .....	129	6550H.....	109	8649H.....	90	18506G .....	119	E6551H .....	109
719H .....	131	6558H.....	109	8660H.....	90	18507G .....	129	E6717H .....	110
734H .....	130	6661H.....	114	8661H.....	90	18508G .....	131	E6762H .....	109
735H .....	131	6663H.....	114	8665H.....	90	18510G .....	22	E6942H .....	113
736H .....	131	6664H.....	114	8670H.....	90	18513G .....	119	EB2236H .....	113
737H .....	130	6681H.....	114	8675H.....	90	18514G .....	130	EB2316H .....	110
739H .....	131	6683H.....	114	8681H.....	89	18528G .....	119	EB4407H .....	112
746G .....	121	6697H.....	114	8682H.....	89	18529G .....	130	EH370G .....	179
768G .....	132	6698H.....	114	8684H.....	90	18531G .....	45	EH381E .....	173
769G .....	132	6710H.....	109	8685H.....	90	18533G .....	119	EH382E .....	177
780G .....	131	6832H.....	109	8689H.....	90	18534G .....	130	EH383E .....	177
783G .....	132	6833H.....	109	8695H.....	89	18536G .....	113	EH384E .....	177
786G .....	131	6834H.....	109	8697H.....	89	18537G .....	113	EH386 .....	177
788G .....	91	6870H.....	109	8698H.....	89	18541G .....	88	EH387 .....	177
869G .....	112	6871H.....	109	8699H.....	89	18543G .....	88	EH388 .....	177
1628H.....	100	6872H.....	109	8701H.....	81	AA1673H .....	24	EH389 .....	177
1647H.....	99	6873H.....	109	8704H.....	86	AB2673H .....	49	EH396E .....	173
1667H.....	99	6881H.....	110	8705H.....	86	AHV6 .....	163	EH397G .....	173
1670H.....	100	6889H.....	110	8706H.....	82	AHV12 .....	163	EH464G .....	175
1673H.....	101	6890H.....	110	8707H.....	86	AHVM12.....	163	EH467 .....	179
1674H.....	101	6935H.....	111	8708H.....	82	ANX6 .....	163	EH6371H .....	115
1696H.....	99	6936H.....	111	8710H.....	83	ANX12 .....	163	EH6372H .....	115
1698H.....	99	6937H.....	111	8711H.....	83	APP6 .....	163	EH6374H .....	115
1713G.....	92	6937LG .....	111	8714H.....	83	APPXL6 .....	163	EH6375E .....	115
1716G.....	104	6943H.....	113	8717H.....	82	B409TG .....	114	EH6411H .....	121
1717G.....	104	6944H.....	113	8719H.....	86	B843H .....	109	EH6413H .....	121
1718G.....	104	6951H.....	111	8720H.....	82	B927H .....	113	EH6414H .....	121
1722G.....	121	6953H.....	111	8721H.....	86	B975H .....	112	EH6415H .....	121
1753G.....	92	6954H.....	111	8735H.....	81	B7714 .....	104	EH6416H .....	121
1754G.....	91	6959G.....	111	8740H.....	81	BA1673H .....	21	EH6417H .....	121
1760G.....	121	6963H.....	111	8741H.....	81	BA2573H .....	44	EH6418H .....	121
1765G.....	120	6964H.....	111	8750G.....	90	BA2574H .....	44	EH6432H .....	115

EH6433H .....	115	EH7151H .....	90	EH7477H .....	82	EH7788H .....	87	EP7972H .....	86
EH6434H .....	115	EH7162H .....	99	EH7478H .....	82	EH7790H .....	100	EP8702H .....	82
EH6435H .....	115	EH7177H .....	100	EH7479G .....	111	EH7791H .....	100	EP8706H .....	82
EH6436H .....	115	EH7190LG.....	84	EH7490H .....	109	EH7792H .....	100	EP8709H .....	82
EH6437H .....	115	EH7222H .....	81	EH7491H .....	109	EH7794H .....	100	EP8730H .....	81
EH6441H .....	115	EH7223H .....	82	EH7497H .....	110	EH7795H .....	100	EP8732H .....	81
EH6445H .....	115	EH7225H .....	81	EH7499H .....	84	EH7796H .....	100	EP8735H .....	81
EH6453H .....	115	EH7226H .....	83	EH7500H .....	103	EH7798H .....	100	EP8741H .....	81
EH6454H .....	115	EH7227H .....	83	EH7508H .....	85	EH7800H .....	99	EP8746H .....	81
EH6455H .....	115	EH7228H .....	82	EH7526H .....	119	EH7801H .....	99	EP8747H .....	81
EH6456H .....	115	EH7229H .....	82	EH7528H .....	109	EH7804H .....	99	EP8755H .....	82
EH6457H .....	115	EH7230H .....	82	EH7545H .....	91	EH7809H .....	101	EP8805H .....	82
EH6458H .....	115	EH7231H .....	82	EH7560H .....	131	EH7813E .....	83	EP8807H .....	86
EH6459H .....	115	EH7234H .....	86	EH7561H .....	90	EH7814E .....	83	EP8811H .....	86
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