

REPUBLICA



MOLDOVA

CERTIFICAT DE ÎNREGISTRARE

Societatea Comercială "OXIVIT-MED" S.R.L.
ESTE ÎNREGISTRATĂ LA CAMERA ÎNREGISTRĂRII DE STAT

Numărul de identificare de stat - codul fiscal
1007600044280

Data înregistrării

30.07.2007

Data eliberării

30.07.2007

Bordeianu Tatiana, registrator de stat

*Funcția, numele, prenumele persoanei
care a eliberat certificatul*

semnătura

MD 0067985





I.P. "AGENȚIA SERVICII PUBLICE"

Departamentul înregistrare și licențiere a unităților de drept

EXTRAS
din Registrul de stat al persoanelor juridice

nr. 8871 din 05.05.2021

Denumirea completă: **Societatea Comercială «OXIVIT-MED» S.R.L.**

Denumirea prescurtată: **S.C. «OXIVIT-MED» S.R.L.**

Forma juridică de organizare: **Societate cu Răspundere Limitată.**

Numărul de identificare de stat și codul fiscal: **1007600044280.**

Data înregistrării de stat: **30.07.2007.**

Sediul: **MD-2032, bd. Decebal, 82, ap.(of.) 90, mun. Chișinău, Republica Moldova.**

Modul de constituire: **nou creată.**

Obiectul principal de activitate:

- 1 Importul, fabricarea, comercializarea, asistența tehnică și (sau) reparația dispozitivelor medicale și (sau) a opticii;**
- 2 Comerțul cu ridicata al parfumurilor și produselor cosmetice;**
- 3 Comerțul cu amănuntul al produselor cosmetice și de parfumerie, articolelor de toaletă;**
- 4 Intermedieri pentru vânzarea unui asortiment larg de mărfuri;**
- 5 Alte tipuri de comerț cu amănuntul în magazine nespecializate;**
- 6 Alte tipuri de comerț cu ridicata;**
- 7 Închirierea altor mașini și echipamente.**

Capitalul social: **5400 lei.**

Administrator: KOJEVNIKOV DMITRII, IDNP 0972305012362,

Asociați:

1. KOJEVNIKOV DMITRII , IDNP 0972305012362

cota 5400.00 lei, ce constituie 100 %.

Prezentul extras este eliberat în temeiul art. 34 al Legii nr. 220-XVI din 19 octombrie 2007 privind înregistrarea de stat a persoanelor juridice și a întreprinzătorilor individuali și confirmă datele din Registrul de stat la data de: 05.05.2021.

Specialist coordonator
tel. 022-207-840

Lazari Aliona



EEI 0358094

OXIVIT MED

c/f: 1007600044280; adresa: str. Decebal 82-90, or. Chișinău, Republica Moldova

telefon: + 373 22 808002; fax: + 373 22 808003

web: www.oxivit-med.com; e-mail: info@oxivit-med.com

Lista fondatorilor companiei SRL „Oxivit-Med”

Nr.	Numele, Prenumele	Codul Personal
1	Kojevnikov Dmitrii	0972305012362

CERTIFICATE

Number: 2090418

The management system of the organization(s) and locations mentioned on the addendum belonging to:

Medtronic EMEA Medtronic B.V.

Earl Bakkenstraat 10
6422 PJ Heerlen
The Netherlands

including the implementation meets the requirements of the standard:

ISO 9001:2015 EN ISO 13485:2016

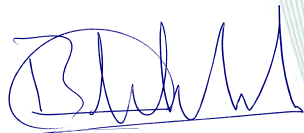
Scope:

Sales, order management, warehousing and distribution of medical devices.
Including regulatory affairs, post market surveillance, technical service, customer education and spine
loaner operations

Certificate expiry date: 1 July 2024
Certificate effective date: 1 July 2021
Certified since: 1 July 2006

This certificate is valid for the organization(s) and/or locations mentioned on the addendum.

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



J.A. van Vugt
Certification Manager

© Integral publication of this certificate and adjoining reports is allowed



ADDENDUM

To certificate: 2090418

The management system of the organization(s) and/or location(s) of:

Medtronic EMEA Medtronic B.V.

Earl Bakkenstraat 10
6422 PJ Heerlen

Certified organization(s) and/or locations:

Different scope

Medtronic Trading NL B.V.
Larixplein 4
5616 VB Eindhoven
The Netherlands

Sales, order management and distribution of medical devices.
Including customer education

Medtronic Italia S.p.A.
Via Varesina 162
20156 Milano
Italy

Sales, order management and distribution of medical devices.
Including customer education.

Medtronic Danmark A/S.
Arne Jacobsens Alle 17
2300 Copenhagen
Denmark

Sales, order management and distribution of medical devices.
Including customer education

Medtronic Finland Oy
Lentajantie 3
01530 Vantaa
Finland

Sales, order management and distribution of medical devices.
Including customer education.

Medtronic AB
P.O. Box 1034
164 21 Kista
Sweden

Sales, order management and distribution of medical devices.
Including customer education

Medtronic Norge AS
Martin Linges vei 25
1364 Fornebu
Norway

Sales, order management and distribution of medical devices.
Including customer education.

ADDENDUM

To certificate: 2090418

The management system of the organization(s) and/or location(s) of:

Medtronic EMEA Medtronic B.V.

Earl Bakkenstraat 10
6422 PJ Heerlen

Medtronic Africa (Pty) Ltd.
Waterfall Distribution Campus CNR
K101 and Bridal Veil Road Waterfall
Midrand
1685 Gauteng
South Africa

Sales, order management, warehousing and distribution of medical devices. Including customer education and spine loaner operations.

Medtronic Medikal Teknoloji Ticaret Ltd
Sti
Saray Mah. Esnaf Sk. Akkom Ofis Park
Laodik Plaza Sitesi B Blok Apt: 2/8
34764 Umraniye - Istanbul
Turkey

Sales, order management and distribution of medical devices.
Including customer education

Medtronic Ibérica S.A.
Calle de Maria de Portugal, 11
28050 Madrid
Spain

Sales, order management and distribution of medical devices.
Including customer education.

Medtronic Ibérica S.A.
WTC Almeda Park Placa de la Pau, s/n.
Edificio 7, 3 piso Cornellà de Llobregat
08940 Barcelona
Spain

Sales, order management and distribution of medical devices.

Medtronic Portugal LDA-
Rua Tomas da Fonseca Torre E, 11
 piso
1600 Lisboa
Portugal

Sales, Order Management and distribution of medical devices
including customer education.

Warehousing and distribution of medical devices, including spine
loaner operations

ADDENDUM

To certificate: 2090418

The management system of the organization(s) and/or location(s) of:

Medtronic EMEA Medtronic B.V.

Earl Bakkenstraat 10
6422 PJ Heerlen

Medtronic Portugal, LDA-
Avenida Gomes Pereira 61B
Benfica
1600 Lisboa
Portugal

Sales, Order Management and distribution of medical devices.
Including customer education.

Warehousing and distribution of medical devices, including spine
loaner operations.

Medtronic GmbH
Earl-Bakken-Platz 1
40670 Meerbusch
Germany

Scope for EN ISO 13485:2016: Sales, order management and
distribution of medical devices. Including customer education.
ISO 9001:2015 excluded

Medtronic GmbH
Mollsfeld 12
40670 Meerbusch
Germany

Scope for EN ISO 13485:2016: Sales, order management and
distribution of medical devices. Including customer education.
ISO 9001:2015 excluded

Medtronic Österreich GmbH
Millennium Tower, 20th floor Handelskai
94-96
1200 Wien
Austria

Sales, order management, warehousing and distribution of
medical devices. Including customer education

Medtronic (Schweiz) AG
Talstrasse 9
3053 Munchenbuchsee
Switzerland

Sales, order management, warehousing and distribution of
medical devices. Including customer education

Medtronic France SAS
9, boulevard Romain Rolland
75014 Paris
France

Sales, order management and distribution of medical devices.
Including customer education

ADDENDUM

To certificate: 2090418

The management system of the organization(s) and/or location(s) of:

Medtronic EMEA Medtronic B.V.

Earl Bakkenstraat 10
6422 PJ Heerlen

Medtronic Hellas S.A.
Avenue Kifisias 24 Building B
151 25 Marousi Pref. Attica
Greece

Sales, order management and distribution of medical devices.
Including customer education.

Medtronic Hellas S.A. Diabetes Shop
Mesogeion Avenue 2-4
115 27 Athens
Greece

Sales, order management and distribution of diabetes medical
devices. Including customer education.

Medtronic Romania SRL
Ploiesti 42-44, Building B, B2 Wing, 2nd
floor, district 1 Baneasa Business &
Technology Park
013696 Bucharest
Romania

Sales, order management and distribution of medical devices.
Including customer education.

Medtronic Hungária Kft.
Bocskai ut 134-146 Cepulet 3. emelet
1113 Budapest
Hungary

Sales, order management and distribution of medical devices.
Including customer education.

Medtronic Serbia Ltd.
Bulevar Zorana Djindjica, 64a
11070 Belgrade
Serbia

Sales, order management and distribution of medical devices.
Including customer education.

ADDENDUM

To certificate: 2090418

The management system of the organization(s) and/or location(s) of:

Medtronic EMEA Medtronic B.V.

Earl Bakkenstraat 10
6422 PJ Heerlen

Medtronic Poland Sp.z o.o Medtronic
Customer Care Center of Experience
Warsaw
Polna 11
00-633 Warszawa
Poland

Order management of medical devices.

Medtronic Trading Ltd.
10 Hamada Street
4673344 Herzliya
Israel

Import, sales, order management and distribution of medical
devices.
Including customer education

Medtronic Czechia s.r.o.
Prosek Point, Budova B, Prosecka
852/66
852 66 Praha
Czech Republic

Sales, order management and distribution of medical devices.
Including customer education.

Medtronic Bulgaria EOOD
48 Sitnyakovo blvd., R-N OBORISHT
DISTR., floor 7
1505 Sofia
Bulgaria

Sales, order management and distribution of medical devices.
Including customer education.

Medtronic Limited
Building 9, Croxley ParkHatters Ln
WD18 8WW Watford
United Kingdom

Sales, order management and distribution of medical devices.
Including customer education.

ADDENDUM

To certificate: 2090418

The management system of the organization(s) and/or location(s) of:

Medtronic EMEA Medtronic B.V.

Earl Bakkenstraat 10
6422 PJ Heerlen

Medtronic Ireland Limited
Block 3090-3094 Lake Drive, Citywest
Business Campus
D24 NW2F Dublin
Ireland

Sales, order management and distribution of medical devices.
Including customer education.

Medtronic B.V.
Medtronic Service & Repair EMEA
Jan Campertstraat 21-A
6416 SG Heerlen

Order management, warehousing and technical service of
medical devices including field service EMEA.

Medtronic Slovakia s.r.o.
CBC III, Karadzicova 12
821 08 Bratislava
Slovak Republic

Sales, order management and distribution of medical devices.
Including customer education.

Medtronic Belgium
Burgemeester E. Demunterlaan 5
1090 Brussel
Belgium

Sales, Order Management and distribution of medical devices.
Including customer education

Medtronic Croatia
Folnegoviceva 1c
10000 Zagreb
Croatia

Sales, order management and distribution of medical devices.
Including customer education.

Medtronic Slovenia
Ameriska Ulica 8
1000 Ljubljana
Slovenia

Sales, order management and distribution of medical devices

Addendum expiry date: 1 July 2024
Addendum effective date: 1 July 2021



OPERATING ROOM **ESSENTIALS**

THE COMPLETE
SOLUTION
YOU CAN TRUST



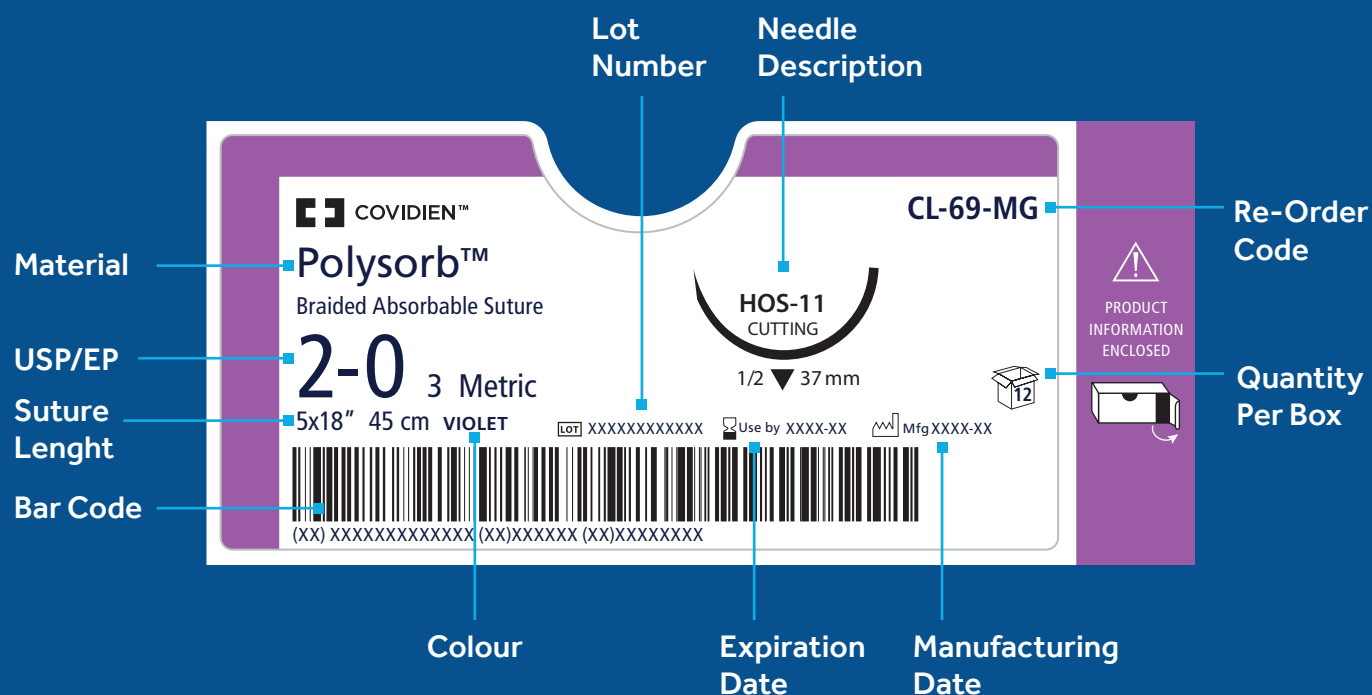
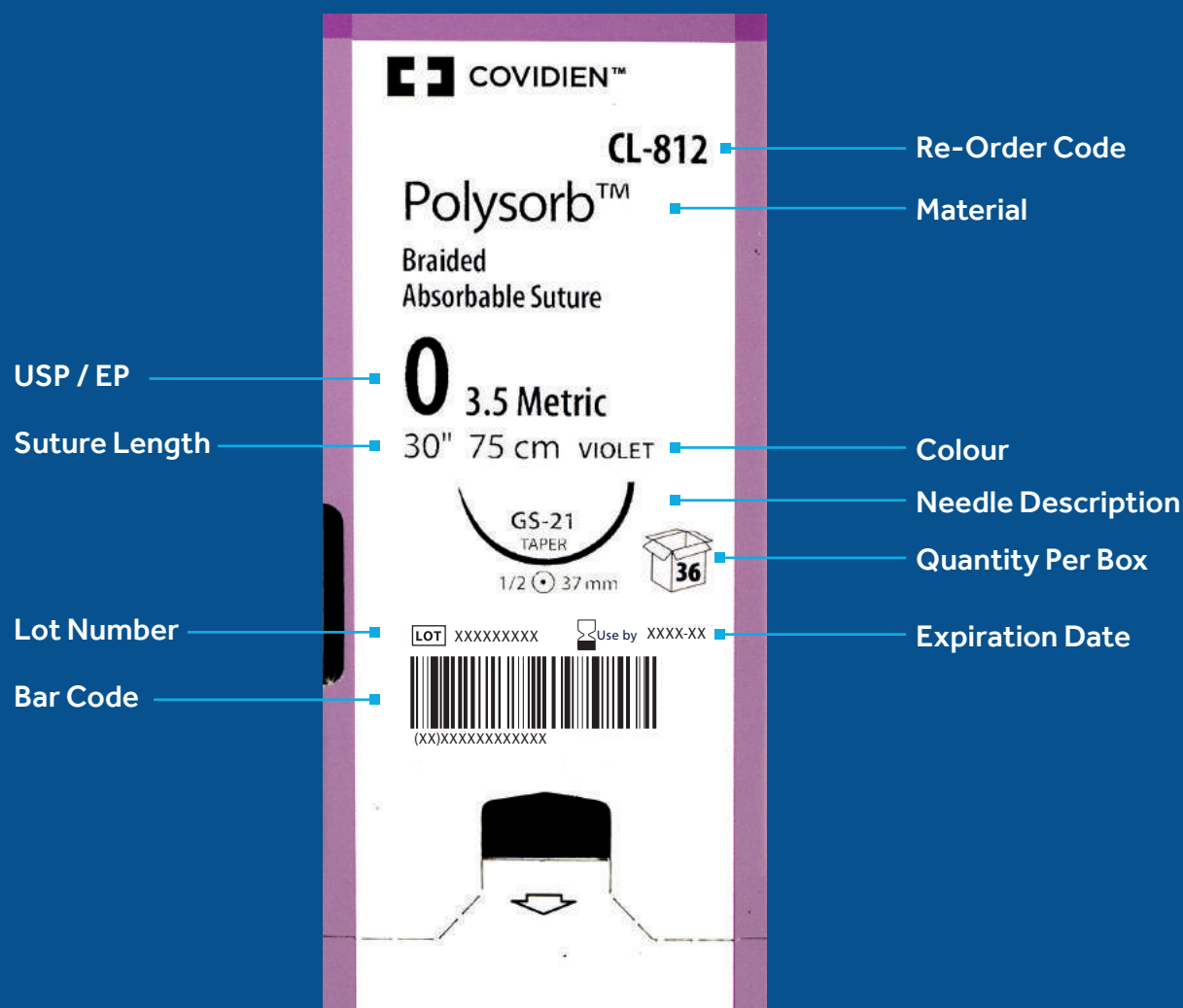
Wound Closure **Catalogue**

September 2017

Medtronic
Further, Together



HOW TO READ A SUTURE LABEL



WHY MEDTRONIC?

Medtronic have an extensive heritage in partnerships with Public Hospitals and Private Groups. Delivering value-based healthcare, clinical expertise and innovation through products and services that are focused on patient care and clinical outcomes.

OR ESSENTIALS

We pride ourselves on being a brand you can trust. With our proven track record of **quality products and services**, you can feel reassured that Medtronic's OR Essentials will help you to continue providing **the very best patient care** from the first mark to the last stitch. Let's embrace the future together.



Operating Room Supplies



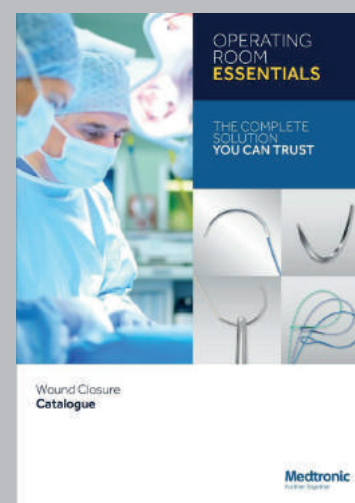
Laparoscopic Access



Cardiothoracic



Surgical Instruments



Wound Closure

INTRODUCTION

A Comprehensive Portfolio of Wound Closure Materials and Accessories

We're all part of the same community. A community entrusted with enhancing and saving the lives of patients. At Medtronic, we actively partner with you to provide your patients with the most optimal care. Every day. Whatever role you play, we're here for you — leveraging over 100 years of expertise and insight to innovate wound closure solutions. We are committed to remaining by your side for the next 100 years, evolving with your changing needs so you can keep delivering the highest levels of patient care. Our comprehensive portfolio of effective wound closure solutions is for the full spectrum of general and specialty procedures.

Absorbable Sutures

Absorbable sutures from Medtronic provide strength retention and absorption profiles to meet your surgical specialty and tissue healing requirements.

Non-Absorbable Sutures

Non-absorbable sutures from Medtronic can be used in a range of procedures, including cardiovascular, ophthalmic and neurological surgery.

Barbed Wound Closure

The V-Loc™ wound closure device is a revolutionary technology that eliminates the need to tie knots, so you can close incisions up to 50% faster without compromising strength and security

Wound Closure Accessories

Wound closure accessories from Medtronic include bone wax, bolsters, suture racks, cardiovascular pledgets and umbilical tape

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VELOSORB™ FAST

Braided Fast Absorbable Suture

There when you need it. Gone when you don't.



Braided absorbable sutures for use in soft tissue approximation when 7–10 days of wound support is required.

- Velosorb™ Fast suture is stronger than the competition for the first 7 to 10 days.
- Velosorb™ Fast suture has no tensile strength after 14 days¹
- No removal means enhanced patient comfort
- Fast absorption profile

Absorption

By Hydrolysis. Essentially complete within 40 to 50 days.

Tensile Strength

No less than 45% of its original tensile strength 5 days post-implantation. All of the original tensile strength is essentially gone by 14 days.

Packaging

Are available in USP sizes 1 (4 Metric) through 6–0 (0.7 Metric). They are available undyed (natural). The sutures are supplied sterile, in pre-cut lengths affixed to various needle types.

Indications

Indicated for use in soft tissue approximation of the skin, mucosa and conjunctiva, where only 7–10 days of wound support is required, but not for use in ligation, cardiovascular or neurological tissue.



Description

Velosorb™ Fast absorbable braided sutures are composed of an absorbable synthetic polyester comprised of glycolide and lactide (derived from glycolic and lactic acids). Velosorb™ Fast absorbable sutures are prepared by coating the suture with a mixture of a glycolide and lactide copolymer and calcium stearate.

Indications

Velosorb™ Fast absorbable sutures are indicated for use in soft tissue approximation of the skin, mucosa and conjunctiva, where only 7-10 days of wound support is required, but not for use in ligation, cardiovascular or neurological tissue.

Actions

Velosorb™ Fast absorbable sutures elicit a minimal acute inflammatory reaction in tissue, which is followed by a gradual encapsulation of the suture by fibrous connective tissue. Progressive loss of tensile strength and eventual absorption of Velosorb™ Fast absorbable sutures occurs by means of hydrolysis, where the glycolide/lactide copolymer is broken down to glycolic and lactic acids which are subsequently absorbed and metabolized by the body.

Tensile Strength

Studies indicate tensile strength averages for Velosorb™ Fast absorbable sutures are no less than 45% of its original tensile strength 5 days post implantation. All of the original tensile strength is essentially gone by 14 days.

Sterilization

Gamma irradiation.

Absorbtion

Absorption begins as a loss of tensile strength without appreciable loss of mass. Absorption of Velosorb™ Fast absorbable sutures is essentially complete between the 40th and 50th day.

Packaging

Velosorb™ Fast absorbable sutures are available in USP sizes 1 (4 Metric) through 6-0 (0.7 Metric). They are available undyed (natural). The sutures are supplied sterile, in pre-cut lengths affixed to various needle types. Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

1. IFU indicates tensile strength averages for Velosorb™ Fast sutures are approximately 50% of its original tensile strength 5 days post implantation. All of the original tensile strength is gone by 14 days.
Absorption of Velosorb™ Fast sutures is essentially complete between the 40th and 50th day.



Velosorb™ Fast absorbable suture

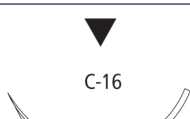
Fast braided absorbable suture for use in soft tissue approximation of the skin and mucosa, when only 7–10 days of wound support is required.

PRE-CUT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	4-0	1.5	6 × 45	18	Undyed	36		CV-8977
	4-0	1.5	3 × 45	18	Undyed	36		CV-8643
	3-0	2	6 × 45	18	Undyed	36		CV-8978
	3-0	2	3 × 45	18	Undyed	36		CV-8644
	2-0	3	6 × 45	18	Undyed	36		CV-8979
	2-0	3	5 × 75	30	Undyed	36		CV-8653
	0	3.5	6 × 45	18	Undyed	36		CV-8980

STANDARD LENGTH								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
CV-9006G	3-0	2	150	60	Undyed	12	Std Length	CV-9006G
CV-9007G	2-0	3	150	60	Undyed	12	Std Length	CV-9007G

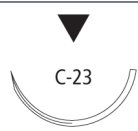
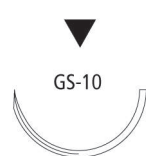
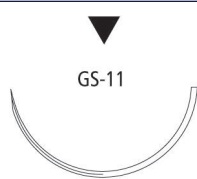
REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-1 3/8 Circle 12.0 mm 	5-0	1	75	30	Undyed	36		SV-2289
	4-0	1.5	45	18	Undyed	36		SV-1290
	4-0	1.5	75	30	Undyed	36		SV-2290
C-12 3/8 Circle 16.0 mm 	5-0	1	75	30	Undyed	36		SV-2296
	4-0	1.5	75	30	Undyed	36		SV-2294
	3-0	2	75	30	Undyed	36		SV-2295



REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
C-13 3/8 Circle 19.0 mm 	5-0	1	45	18	Undyed	36		SV-2910		
	4-0	1.5	45	18	Undyed	36		SV-2920		
	4-0	1.5	75	30	Undyed	36		SV-2297		
	3-0	2	45	18	Undyed	36		SV-2930		
	3-0	2	75	30	Undyed	36		SV-2298		
	2-0	3	75	30	Undyed	36		SV-2299		
C-14 3/8 Circle 24.0 mm 	4-0	1.5	75	30	Undyed	36		SV-2251		
	3-0	2	45	18	Undyed	36		SV-4431		
	3-0	2	75	30	Undyed	36		SV-2252		
	2-0	3	75	30	Undyed	36		SV-2253		
C-15 3/8 Circle 26.0 mm 	3-0	2	75	30	Undyed	12		SV-9940G		
	2-0	3	75	30	Undyed	12		SV-9941G		
C-16 3/8 Circle 30.0 mm 	3-0	2	90	36	Undyed	36		SV-2285		
	2-0	3	90	36	Undyed	36		SV-2286		
	0	3.5	90	36	Undyed	36		SV-2287		
C-17 3/8 Circle 39.0 mm 	2-0	3	75	30	Undyed	12		SV-9961G		





REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
C-22 1/2 Circle 20.0 mm		4-0	1.5	45	18	Undyed	36		SV-4550	
C-23 1/2 Circle 24.0 mm		4-0	1.5	45	18	Undyed	36		SV-9926	
		3-0	2	45	18	Undyed	36		SV-9927	
		2-0	3	45	18	Undyed	36		SV-9928	
GS-10 1/2 Circle 26.0 mm		2-0	3	75	30	Undyed	12		CV-9936G	
GS-11 1/2 Circle 37.0 mm		3-0	2	135	54	Undyed	12		CV-931G	
		2-0	3	90	36	Undyed	36		CV-4721	
		2-0	3	135	54	Undyed	12		CV-932G	
		0	3.5	90	36	Undyed	36		CV-4731	
GS-12 1/2 Circle 40.0 mm		0	3.5	90	36	Undyed	36		CV-485	
		1	4	90	36	Undyed	36		CV-486	

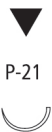




PREMIUM REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
P-10 3/8 Circle 11.0 mm		6-0	0.7	45	18	Undyed	36		SV-9913	
		6-0	0.7	45	18	Violet	36		SV-32	
		6-0	0.7	75	30	Undyed	36		SV-4893	
		5-0	1	45	18	Undyed	36		SV-9915	
P-13 3/8 Circle 13.0 mm		5-0	1	45	18	Undyed	36		SV-493	
		4-0	1.5	45	18	Undyed	36		SV-494	
		4-0	1.5	75	30	Undyed	36	Surgalloy™	SVP-494	
P-11 3/8 Circle 16.0 mm		5-0	1	75	30	Undyed	36	Surgalloy™	SVP-2296	
		4-0	1.5	75	30	Undyed	36	Surgalloy™	SVP-2294	
		3-0	2	75	30	Undyed	36	Surgalloy™	SVP-2295	
P-12 3/8 Circle 19.0 mm		4-0	1.5	45	18	Undyed	12		SV-496G	
		4-0	1.5	45	18	Undyed	36		SV-496	
		4-0	1.5	75	30	Undyed	36		SV-426	
		4-0	1.5	90	36	Undyed	36		SV-412	
		3-0	2	45	18	Undyed	12		SV-497G	
		3-0	2	75	30	Undyed	36		SV-425	
		2-0	3	75	30	Undyed	36		SV-424	
P-14 3/8 Circle 24.0 mm		4-0	1.5	75	30	Undyed	36		SVP-2251	
		3-0	2	45	18	Undyed	36		SV-6830	
		3-0	2	75	30	Undyed	36		SV-935	
		2-0	3	45	18	Undyed	36		SV-6840	
		2-0	3	75	30	Undyed	36		SV-439	
P-17 3/8 Circle 30.0 mm		3-0	2	90	36	Undyed	36		SVP-2285	
P-18 3/8 Circle 38.0 mm		3-0	2	75	30	Undyed	12		SV-9937G	
		2-0	3	75	30	Undyed	12		SV-9938G	



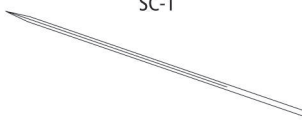
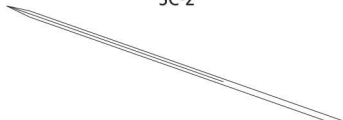


PREMIUM REVERSE CUTTING									
Needles Specifications	Size	Length		Color	Units	Comments	Reorder code		
	USP	EP	cm	Inches	Per box				
P-21 1/2 Circle 9.0 mm 	4-0	1.5	45	18	Undyed	36	SV-1642		
P-24 1/2 Circle 16.0 mm 	5-0	1	45	18	Undyed	12	SV-9910G		
	4-0	1.5	45	18	Undyed	12	SV-9911G		

CONVENTIONAL CUTTING									
Needles Specifications	Size	Length		Color	Units	Comments	Reorder code		
	USP	EP	cm	Inches	Per box				
PC-10 3/8 Circle 13.0 mm 	5-0	1	45	18	Undyed	12	SV-834G		
	4-0	1.5	45	18	Undyed	12	SV-835G		
PC-11 3/8 Circle 16.0 mm 	6-0	0.7	75	30	Undyed	12	SV-489G		
	5-0	1	45	18	Undyed	12	SV-844G		
	4-0	1.5	45	18	Undyed	12	SV-845G		
	4-0	1.5	75	30	Undyed	12	SV-488G		
	3-0	2	75	30	Undyed	12	SV-487G		
SC-11 Straight 11.0 mm 	4-0	1.5	45	18	Undyed	12	SV-9909G		



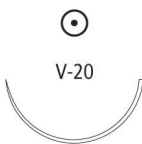
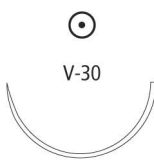


CONVENTIONAL CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
SC-1 Straight 51.0 mm ▲ SC-1 	4-0	1.5	75	30	Undyed	36		SV-2238
	3-0	2	75	30	Undyed	36		SV-2239
	2-0	3	75	30	Undyed	36		SV-2240
SC-2 Straight 60.0 mm ▲ SC-2 	3-0	2	75	30	Undyed	36		SV-9943
	2-0	3	75	30	Undyed	12		SV-9944G

TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
CV-1 3/8 Circle 9.0 mm ⊙ CV-1 	8-0	0.4	30	12	Violet	12		CV-9916G
CV-23 1/2 Circle 17.0 mm ⊙ CV-23 	5-0	1	75	30	Undyed	36		CV-1213
	4-0	1.5	75	30	Undyed	36		CV-1214
	3-0	2	75	30	Undyed	36		CV-1215
CV-25 1/2 Circle 22.0 mm ⊙ CV-25 	4-0	1.5	75	30	Undyed	36	Optivis™	CV-3100
	3-0	2	75	30	Undyed	36	Optivis™	CV-3110
	2-0	3	75	30	Undyed	36		CV-3120

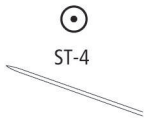




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
V-20 1/2 Circle 26.0 mm		V-20	4-0	1.5	75	30	Undyed	36		CV-415
			3-0	2	75	30	Undyed	12		CV-416G
			2-0	3	75	30	Undyed	12		CV-417G
			0	3.5	75	30	Undyed	36		CV-418
GS-22 1/2 Circle 27.0 mm		GS-22	2-0	3	75	30	Undyed	36		CV-55
			0	3.5	75	30	Undyed	36		CV-56
			1	4	75	30	Undyed	36		CV-57
V-30 1/2 Circle 30.0 mm		V-30	0	3.5	75	30	Undyed	36		CV-318
			1	4	75	30	Undyed	36		CV-319
GS-20 1/2 Circle 34.0 mm		GS-20	2-0	3	75	30	Undyed	12		CV-9975G
GS-21 1/2 Circle 37.0 mm		GS-21	3-0	2	75	30	Undyed	36		CV-322
			3-0	2	90	36	Undyed	36		CV-944
			2-0	3	75	30	Undyed	36		CV-323
			2-0	3	90	36	Undyed	36		CV-945
			0	3.5	75	30	Undyed	36		CV-1324
			0	3.5	90	36	Undyed	36		CV-946
			1	4	90	36	Undyed	36		CV-947





TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-24 1/2 Circle 40.0 mm 	2-0	3	90	36	Undyed	36		CV-9592
	0	3.5	90	36	Undyed	36		CV-9591
	1	4	90	36	Undyed	36		CV-9590
GS-25 1/2 Circle 48.0 mm 	2-0	3	90	36	Undyed	36		CV-606
	0	3.5	90	36	Undyed	36		CV-604
	1	4	90	36	Undyed	36		CV-605
GU-45 5/8 Circle 37.0 mm 	2-0	3	75	30	Undyed	36		UV-412
	1	4	90	36	Undyed	36		UV-401
GU-44 5/8 Circle 40.0 mm 	0	3.5	90	36	Undyed	36		UV-1381
	1	4	90	36	Undyed	36		UV-1382
ST-4 Straight 19.0 mm 	4-0	1.5	75	30	Undyed	36		CV-1673

HEAVY TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
HGS-20 1/2 Circle 34.0 mm 	1	4	90	36	Undyed	36		CV-1696

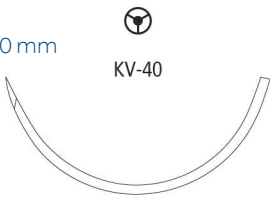




TAPERCUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
KV-11 3/8 Circle 13.0 mm	 KV-11 	5-0	1	75	30	Undyed	36		CV-2293	
KV-15 3/8 Circle 17.0 mm	 KV-15 	4-0	1.5	45	18	Undyed	12		CV-2275G	
		4-0	1.5	75	30	Undyed	36		CV-2279	
		3-0	2	75	30	Undyed	36		CV-2280	
KV-5 1/2 Circle 17.0 mm	 KV-5 	3-0	2	75	30	Undyed	12		CV-1674G	
KV-7 1/2 Circle 26.0 mm	 KV-7 	3-0	2	75	30	Undyed	12		CV-2003G	
		2-0	3	90	36	Undyed	36		CV-1002	
KV-34 1/2 Circle 37.0 mm	 KV-34 	3-0	2	90	36	Undyed	36		CV-916	
		2-0	3	90	36	Undyed	36		CV-917	
		2-0	3	120	48	Undyed	36		CV-927	
		0	3.5	90	36	Undyed	36		CV-919	
		1	4	90	36	Undyed	36		CV-918	
KV17-C14 1/2 Circle 40.0 mm Double-arm		2-0	3.5/3	3 × 90	36t	Undyed	24	0 KV-34, 2-0 C-14	CV-0146	





TAPERCUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
KV-37 1/2 Circle 40.0 mm  KV-37	2-0	3	90	36	Undyed	36		CV-2218
	0	3.5	90	36	Undyed	36		CV-2217
	1	4	90	36	Undyed	36		CV-2216
KV37-C-14 1/2 Circle 40.0 mm Double-arm	2-0	3.5/3	3 × 75	30	Undyed	24	Set, 3 strands per pouch	CV-0046
KV-40 1/2 Circle 48.0 mm  KV-40	2-0	3	90	36	Undyed	36		CV-7192
	0	3.5	90	36	Undyed	36		CV-7191
	1	4	90	36	Undyed	36		CV-7190

BLUNT POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
BGS-24 1/2 Circle 40.0 mm  BGS-24	0	3.5	90	36	Undyed	36		CV-9953

SPATULA								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
SE-140-8 3/8 Circle 6.3 mm  SE-140-8	8-0	0.4	30	12	Violet	12		CV-501G
	7-0	0.5	30	12	Violet	12		CV-500G

POLYSORB™

Braided Absorbable Suture

Stronger¹ during the critical wound healing period



The strength of Polysorb™ suture, provided by the greater[‡] number of more tightly braided filaments, provides greater security during the Critical Wound Healing Period.¹⁻³

Absorption

By Hydrolysis. Essentially complete within 56–70 days

Tensile Strength

Approximately 140% of USP and EP, 80% after 2 weeks and 30% @ 3 weeks post implantation.

Packaging

Polysorb™ sutures are available in USP sizes 2 (5 Metric) through 8-0 (0.4 Metric).

They are available undyed or violet colored.

The sutures are supplied sterile, in pre-cut lengths and ligating reels, non-needled or affixed to various needle types using both permanent and removable needle attachment techniques; in one, two or three dozen boxes.

Indications

Indicated for use in soft tissue approximation or ligation and ophthalmic surgery, but not in cardiovascular or neural tissue.



Description

Polysorb™ braided sutures are composed of Lactomer™ glycolide/lactide copolymer which is a synthetic polyester composed of glycolide and lactide (derived from glycolic and lactic acids). Polysorb™ sutures are prepared by coating the suture with a mixture of a caprolactone/glycolide copolymer and calcium stearoyl lactylate.

Indications

Polysorb™ sutures are indicated for use in soft tissue approximation or ligation and ophthalmic surgery, but not in cardiovascular or neural tissue.

Actions

Polysorb™ sutures elicit a minimal acute inflammatory reaction in tissue, which is followed by a gradual encapsulation of the suture by fibrous connective tissue. Progressive loss of tensile strength and eventual absorption of Polysorb™ sutures occurs by means of hydrolysis, where the Lactomer™ glycolide/lactide copolymer is broken down to glycolic and lactic acids which are subsequently absorbed and metabolized by the body.

Tensile Strength

Studies indicate tensile strength averages for Polysorb™ sutures are approximately 140% of USP and E.P. minimum knot strength initially, are approximately 80% after two weeks and in excess of 30% at three weeks post implant.

Sterilization

Ethylene oxide.

Absorbtion

Absorption begins as a loss of tensile strength without appreciable loss of mass. Absorption of Polysorb™ sutures is essentially complete between the 56th and 70th day.

Packaging

Polysorb™ sutures are available in USP sizes 2 (5 Metric) through 8–0 (0.4 Metric). They are available undyed (natural) or violet colored. The sutures are supplied sterile, in pre-cut lengths and ligating reels, non-neededled or affixed to various needle types using both permanent and removable needle attachment techniques. Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

1. van Ramshorst GH et al. World J Surg 2010;54:20–7

2. Covidien. Polysorb(tm)Instructions for use

3. Vicryl™*. Instructions for use

‡ Compared to Vicryl™* suture.

Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.



Polysorb™

Polysorb™ suture is a brand you have trusted for over 20 years with a history of improvements and performance.

PRE-CUT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	4-0	1.5	3 × 45	18	Violet	36	Pre-cut	L-71
	4-0	1.5	6 × 45	18	Violet	24	Pre-cut	L-20
	4-0	1.5	12 × 45	18	Violet	24	Pre-cut	L-11
	4-0	1.5	12 × 45	18	Undyed	24	Pre-cut	L-1-
	3-0	2	3 × 45	18	Violet	36	Pre-cut	L-72
	3-0	2	6 × 45	18	Violet	24	Pre-cut	L-22
	3-0	2	12 × 45	18	Undyed	24	Pre-cut	L-2-
	3-0	2	12 × 45	18	Violet	24	Pre-cut	L-12
	3-0	2	12 × 60	24	Violet	24	Pre-cut	L-32
	3-0	2	3 × 75	30	Violet	24	Pre-cut	L-402
	3-0	2	6 × 75	30	Violet	24	Pre-cut	L-38
	2-0	3	3 × 45	18	Violet	36	Pre-cut	L-73
	2-0	3	12 × 45	18	Undyed	24	Pre-cut	L-3
	2-0	3	6 × 45	18	Violet	24	Pre-cut	L-23
	2-0	3	12 × 45	18	Violet	24	Pre-cut	L-13-
	2-0	3	12 × 60	24	Violet	24	Pre-cut	L-33
	2-0	3	12 × 75	30	Undyed	24	Pre-cut	L-43
	2-0	3	3 × 75	30	Violet	24	Pre-cut	L-403
	2-0	3	6 × 75	30	Violet	24	Pre-cut	L-39
	0	3.5	3 × 45	18	Violet	36	Pre-cut	L-74
	0	3.5	6 × 45	18	Undyed	24	Pre-cut	L-4
	0	3.5	12 × 45	18	Violet	24	Pre-cut	L-27
	0	3.5	12 × 45	18	Undyed	24	Pre-cut	L-24
	0	3.5	6 × 45	18	Violet	24	Pre-cut	L-14
	0	3.5	12 × 60	24	Violet	24	Pre-cut	L-34
	0	3.5	3 × 75	30	Violet	24	Pre-cut	L-404
	0	3.5	6 × 75	30	Violet	24	Pre-cut	L-40
	1	4	3 × 45	18	Violet	36	Pre-cut	L-75
	1	4	6 × 45	18	Undyed	24	Pre-cut	L-5
	1	4	12 × 45	18	Violet	24	Pre-cut	L-35
	1	4	12 × 45	18	Undyed	24	Pre-cut	L-25
	1	4	6 × 45	18	Violet	24	Pre-cut	L-15
	1	4	12 × 60	24	Violet	24	Pre-cut	L-36



PRE-CUT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	1	4	6 × 75	30	Violet	24	Pre-cut	L-41
	1	4	3 × 75	30	Violet	24	Pre-cut	L-405
	2	5	3 × 45	18	Violet	36	Pre-cut	L-76
	2	5	12 × 45	18	Violet	24	Pre-cut	L-28
	2	5	12 × 45	18	Undyed	24	Pre-cut	L-26
	2	5	6 × 75	30	Violet	24	Pre-cut	L-42
	2	5	3 × 75	30	Violet	24	Pre-cut	L-406

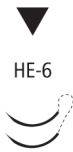
STANDARD LENGTH

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	4-0	1.5	150	60	Violet	36	Standard length	L-111
	3-0	2	150	60	Undyed	36	Standard length	L-102
	3-0	2	150	60	Violet	36	Standard length	L-112
	2-0	3	150	60	Undyed	36	Standard length	L-103
	2-0	3	150	60	Violet	36	Standard length	L-113
	0	3.5	150	60	Violet	36	Standard length	L-114
	0	3.5	150	60	Undyed	36	Standard length	L-104
	2	5	150	60	Violet	36	Standard length	L-116
	1	4	150	60	Violet	36	Standard length	L-115





REEL								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	4-0	1.5	150	60	Violet	24	Reel	LL-111
	4-0	1.5	150	60	Undyed	24	Reel	LL-101
	4-0	1.5	250	98	Violet	24	Reel	LL-221
	3-0	2	150	60	Violet	24	Reel	LL-112
	3-0	2	150	60	Undyed	24	Reel	LL-102
	3-0	2	250	98	Undyed	24	Reel	LL-322
	3-0	2	250	98	Violet	24	Reel	LL-222
	2-0	3	150	60	Violet	24	Reel	LL-113
	2-0	3	150	60	Undyed	24	Reel	LL-103
	2-0	3	250	98	Undyed	24	Reel	LL-323
	2-0	3	250	98	Violet	24	Reel	LL-223
	2-0	3	366	144	Violet	24	Reel	LL-233
	0	3.5	150	60	Violet	24	Reel	LL-114
	0	3.5	150	60	Undyed	24	Reel	LL-104
	0	3.5	250	98	Violet	24	Reel	LL-224
	1	4	150	60	Violet	24	Reel	LL-115
	1	4	250	98	Violet	24	Reel	LL-225
	2	5	150	60	Violet	24	Reel	LL-116
	2	5	250	98	Violet	24	Reel	LL-226

REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
HE-6 3/8 Circle 7.4 mm Double-arm		6-0	0.7	45	18	Violet	12	Surgalloy™	L-1551-K
C-1 3/8 Circle 12.0 mm		6-0	0.7	45	18	Undyed	36		SL-171
		5-0	1	45	18	Undyed	36		SL-172
HE-3 3/8 Circle 13.0 mm Double-arm		5-0	1	30	12	Undyed	12	Surgalloy™	L-4323K



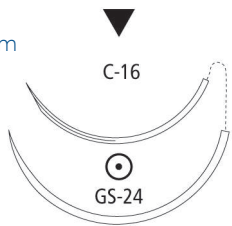
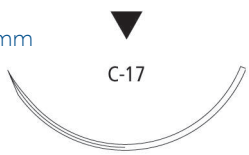




REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-12 3/8 Circle 16.0 mm 	5-0	1	75	30	Violet	36		SL-630
	4-0	1.5	75	30	Violet	36		SL-607
	4-0	1.5	75	30	Undyed	36		SL-605
	3-0	2	75	30	Violet	36		SL-608
C-13 3/8 Circle 19.0 mm 	5-0	1	45	18	Undyed	36		SL-639
	5-0	1	75	30	Violet	36		SL-634
	5-0	1	75	30	Undyed	36		SL-690
	4-0	1.5	45	18	Undyed	12		SL-638
	4-0	1.5	75	30	Undyed	12		SL-691G
	4-0	1.5	75	30	Undyed	36		SL-691
	4-0	1.5	75	30	Violet	12		SL-635G
	4-0	1.5	75	30	Violet	36		SL-635
	3-0	2	45	18	Undyed	36		SL-637
	3-0	2	75	30	Undyed	36		SL-822
	3-0	2	75	30	Undyed	12		SL-822G
	3-0	2	75	30	Violet	36		SL-636
C-14 3/8 Circle 24.0 mm 	4-0	1.5	75	30	Violet	36		SL-695
	4-0	1.5	75	30	Undyed	36		SL-692
	3-0	2	75	30	Undyed	36		SL-693
	3-0	2	75	30	Violet	36		SL-694
	2-0	3	75	30	Undyed	36		SL-823
	2-0	3	75	30	Violet	36		CL-823
C-15 3/8 Circle 26.0 mm 	3-0	2	5 × 45	18	Undyed	12	D-Tach™	SL-73-MG
	2-0	3	75	30	Undyed	36		SL-586
	0	3.5	75	30	Undyed	36		SL-587

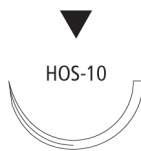
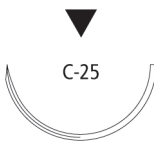
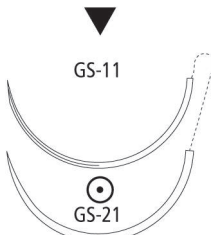




REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
C-16 3/8 Circle 30.0 mm 	3-0	2	75	30	Undyed	36		SL-696	
	2-0	3	75	30	Violet	36		SL-714	
	2-0	3	75	30	Undyed	36		SL-611	
	0	3.5	75	30	Violet	36		SL-713	
	0	3.5	75	30	Undyed	36		SL-610	
	0	3.5	90	36	Violet	36		SL-712	
C-16 - GS-24 3/8 Circle 30.0 mm Double-arm (Not to scale) 	3-0	2	150	60	Undyed	36		CL-976	
	2-0	3	150	60	Undyed	36		CL-977	
C-17 3/8 Circle 39.0 mm 	2-0	3	75	30	Undyed	36		SL-674	
	2	5	90	36	Undyed	36		SL-675	
C-23 1/2 Circle 24.0 mm 	3-0	2	45	18	Undyed	36		CL-85	
	3-0	2	5 × 45	18	Undyed	12	D-Tach™	SL-85-MG	
	3-0	2	5 × 45	18	Violet	12	D-Tach™	SL-83-MG	
	3-0	2	75	30	Violet	36		SL-632	
	3-0	2	75	30	Undyed	36		SL-613	
	2-0	3	75	30	Violet	36		SL-631	
	2-0	3	75	30	Undyed	36		SL-612	
GS-10 1/2 Circle 26.0 mm 	3-0	2	5 × 45	18	Undyed	12	D-Tach™	CL-53MG	
	3-0	2	75	30	Undyed	36		CL-868	
	2-0	3	5 × 45	18	Undyed	12	D-Tach™	CL-52-MG	
	2-0	3	75	30	Undyed	36		CL-869	
	2-0	3	75	30	Violet	36		CL-769	
	0	3.5	75	30	Undyed	36		CL-870	
	1	4	75	30	Undyed	36		CL-867	

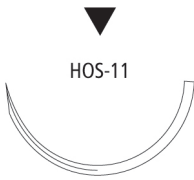




REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
HOS-10 1/2 Circle 26.0 mm 	2-0	3	3 × 45	18	Violet	12	D-Tach™	CL-356-MG	
	2-0	3	3 × 45	18	Undyed	12	D-Tach™	CL-354-MG	
	0	3.5	5 × 45	18	Undyed	12	D-Tach™	CL-55-MG	
	0	3.5	3 × 45	18	Undyed	12	D-Tach™	CL-355-MG	
	1	4	3 × 45	18	Violet	12	D-Tach™	CL-358-MG	
	1	4	75	30	Undyed	36		CL-581	
	1	4	75	30	Violet	36		CL-547	
	2	5	75	30	Violet	36		CL-552	
C-25 1/2 Circle 30.0 mm 	2-0	3	75	30	Violet	36		SL-622	
	0	3.5	90	36	Undyed	36		SL-721	
	1	4	90	36	Violet	36		SL-722	
GS-11 1/2 Circle 37.0 mm 	3-0	2	75	30	Violet	36		CL-815	
	3-0	2	75	30	Undyed	36		CL-542	
	2-0	3	75	30	Violet	36		CL-816	
	2-0	3	75	30	Undyed	36		CL-543	
	2-0	3	90	36	Violet	36		CL-916	
	0	3.5	75	30	Violet	36		CL-817	
	0	3.5	75	30	Undyed	36		CL-544	
	0	3.5	90	36	Violet	36		CL-917	
	0	3.5	90	36	Undyed	36		CL-534	
	1	4	75	30	Violet	36		CL-818	
	1	4	75	30	Undyed	36		CL-545	
	1	4	90	36	Violet	36		CL-918	
	1	4	90	36	Undyed	36		CL-535	
	2	5	90	36	Violet	36		CL-919	
	2	5	90	36	Undyed	36		CL-533	
	GS-11 - GS-21 1/2 Circle 37.0 mm Double-arm (Not to scale) 	3-0	2	150	60	Violet	36		CL-982
2-0		3	150	54	Violet	36		CL-992	



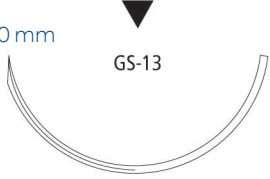


REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
HOS-11 1/2 Circle 37.0 mm 	2-0	3	3 × 45	18	Undyed	12	D-Tach™	CL-374-MG	
	2-0	3	3 × 45	18	Violet	12	D-Tach™	CL-369-MG	
	2-0	3	75	30	Violet	36		CL-526	
	2-0	3	75	30	Undyed	36		CL-536	
	0	3.5	3 × 45	18	Undyed	12	D-Tach™	CL-375-MG	
	0	3.5	3 × 45	18	Violet	12	D-Tach™	CL-370-MG	
	0	3.5	75	30	Undyed	36		CL-537	
	1	4	75	30	Undyed	36		CL-538	
	1	4	75	30	Violet	36		CL-528	
GS-12 1/2 Circle 40.0 mm 	2-0	3	75	30	Violet	36		CL-833	
	2-0	3	75	30	Undyed	36		CL-595	
	0	3.5	75	30	Violet	36		CL-804	
	0	3.5	75	30	Undyed	36		CL-596	
	0	3.5	90	36	Violet	36		CL-933	
	1	4	75	30	Violet	36		CL-805	
	1	4	75	30	Undyed	36		CL-597	
	1	4	90	36	Violet	36		CL-936	
	2	5	90	36	Violet	36		CL-937	
HOS-12 1/2 Circle 40.0 mm 	2-0	3	3 × 45	18	Violet	12	D-Tach™	CL-382-MG	
	0	3.5	3 × 45	18	Violet	12	D-Tach™	CL-380-MG	
	0	3.5	3 × 45	18	Undyed	12	D-Tach™	CL-376-MG	
	1	4	3 × 45	18	Violet	12	D-Tach™	CL-381-MG	
	1	4	3 × 45	18	Undyed	12	D-Tach™	CL-377-MG	
	1	4	5 × 75	30	Violet	12	D-Tach™	CL-97-MG	
	2	5	3 × 45	18	Violet	12	D-Tach™	CL-383-MG	





REVERSE CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-13 1/2 Circle 48.0 mm 	0	3.5	75	30	Violet	36		CL-568
	0	3.5	75	30	Undyed	36		CL-554
	0	3.5	90	36	Violet	36		CL-927
	1	4	75	30	Violet	36		CL-569
	1	4	75	30	Undyed	36		CL-555
	1	4	90	36	Violet	36		CL-928
	2	5	75	30	Violet	36		CL-570
	2	5	90	36	Undyed	36		CL-939
	2	5	90	36	Violet	36		CL-929
HOS-14 1/2 Circle 55.0 mm 	2	5	75	30	Violet	36		CL-979

PREMIUM REVERSE CUTTING

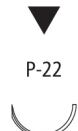
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-10 3/8 Circle 11.0 mm 	7-0	0.5	45	18	Undyed	12		SL-1624G
	6-0	0.7	45	18	Undyed	36	Surgalloy™	SL-1625
	6-0	0.7	45	18	Undyed	12	Surgalloy™	SL1625G
	5-0	1	45	18	Undyed	36	Surgalloy™	SL-1689
	5-0	1	45	18	Undyed	12	Surgalloy™	SL-1689G





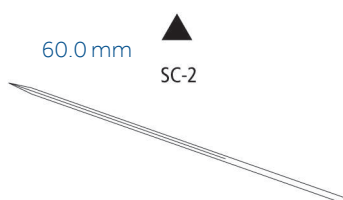
PREMIUM REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
P-13 3/8 Circle 13.0 mm 	6-0	0.7	45	18	Undyed	36	Surgalloy™	SL-5688	
	6-0	0.7	45	18	Undyed	12	Surgalloy™	SL-5688-G	
	5-0	1	45	18	Undyed	12	Surgalloy™	SL-5687G	
	5-0	1	45	18	Undyed	36	Surgalloy™	SL-5687	
	4-0	1.5	45	18	Undyed	12	Surgalloy™	SL-5691G	
	4-0	1.5	45	18	Undyed	36	Surgalloy™	SL-5690	
P-11 3/8 Circle 16.0 mm 	5-0	1	45	18	Undyed	36	Surgalloy™	SL-5626	
	4-0	1.5	45	18	Undyed	36	Surgalloy™	SL-5686	
	4-0	1.5	45	18	Undyed	12	Surgalloy™	SL-5686G	
	4-0	1.5	75	30	Undyed	36	Surgalloy™	SL-5620	
	3-0	2	75	30	Undyed	36	Surgalloy™	SL-5621	
P-12 3/8 Circle 19.0 mm 	5-0	1	45	18	Undyed	12	Surgalloy™	SL-5636-G	
	5-0	1	45	18	Undyed	36	Surgalloy™	SL-5636	
	4-0	1.5	45	18	Violet	36	Surgalloy™	SL-5629	
	4-0	1.5	45	18	Undyed	12	Surgalloy™	SL-5627-G	
	4-0	1.5	45	18	Undyed	36	Surgalloy™	SL-5627	
	4-0	1.5	75	30	Undyed	36	Surgalloy™	SL-5637	
	3-0	2	45	18	Undyed	12	Surgalloy™	SL-5628G	
	3-0	2	45	18	Undyed	36	Surgalloy™	SL-5628	
	3-0	2	75	30	Undyed	36	Surgalloy™	SL-5638	



PREMIUM REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
P-14 3/8 Circle 24.0 mm 	4-0	1.5	45	18	Undyed	12	Surgalloy™	SL-5641G	
	4-0	1.5	45	18	Undyed	36	Surgalloy™	SL-5641	
	4-0	1.5	75	30	Undyed	36	Surgalloy™	SL-5678	
	3-0	2	45	18	Undyed	12	Surgalloy™	SL-5640G	
	3-0	2	45	18	Undyed	36	Surgalloy™	SL-5640	
	3-0	2	75	30	Undyed	12	Surgalloy™	SL-5679G	
	3-0	2	75	30	Undyed	36	Surgalloy™	SL-5679	
	2-0	3	75	30	Undyed	36		SL-5680	
P-17 3/8 Circle 30.0 mm 	2-0	3	75	30	Undyed	36		SL-1596	
P-21 1/2 Circle 9.0 mm 	6-0	0.7	45	18	Undyed	12		SL-1510G	
	5-0	1	45	18	Undyed	12		SL-1644G	
	4-0	1.5	45	18	Undyed	12		SL-1645G	
P-22 1/2 Circle 13.0 mm 	6-0	0.7	45	18	Undyed	36	Surgalloy™	SL-1613	
	5-0	1	45	18	Undyed	36	Surgalloy™	SL-1614	
	5-0	1	45	18	Undyed	12	Surgalloy™	SL-1614G	
	4-0	1.5	45	18	Undyed	36	Surgalloy™	SL-1615	
P-24 1/2 Circle 16.0 mm 	5-0	1	45	18	Undyed	12	Surgalloy™	SL-5632G	
	5-0	1	45	18	Undyed	36	Surgalloy™	SL-5632	
	4-0	1.5	45	18	Undyed	12	Surgalloy™	SL-5633G	
	4-0	1.5	45	18	Undyed	36	Surgalloy™	SL-5633	

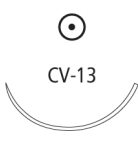
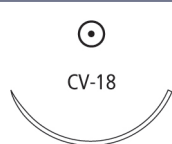
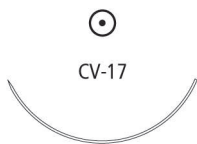




CONVENTIONAL CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
PC-13 3/8 Circle 11.0 mm		6-0	0.7	45	18	Undyed	36		SL-1660	
		5-0	1	45	18	Undyed	36		SL-1659	
		4-0	1.5	45	18	Undyed	36		SL-1658	
PC-11 3/8 Circle 16.0 mm		6-0	0.7	45	18	Undyed	12	Surgalloy™	SL-1655G	
		5-0	1	45	18	Undyed	36		SL-1656	
		4-0	1.5	45	18	Undyed	36		SL-1657	
PC-12 3/8 Circle 19.0 mm		4-0	1.5	45	18	Undyed	36		SL-1653	
		3-0	2	45	18	Undyed	36		SL-1654	
SC-2 Straight 60.0 mm		4-0	1.5	75	30	Violet	36		SL-654	
		4-0	1.5	75	30	Undyed	36		SL-644	
		3-0	2	75	30	Violet	36		SL-653	
		3-0	2	75	30	Undyed	36		SL-643	
		2-0	3	75	30	Violet	36		SL-652	
		2-0	3	75	30	Undyed	36		SL-642	

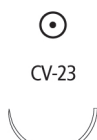




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
MV-135-5 3/8 Circle 6.0 mm		MV-135-5	8-0	0.4	13	5	Violet	12	Surgalloy™	L-2800
CV-11 3/8 Circle 13.0 mm		CV-11	6-0	0.7	75	30	Violet	36		GL-889
			5-0	1	75	30	Violet	36		GL-890
CV-15 3/8 Circle 17.0 mm		CV-15	4-0	1.5	75	30	Violet	36		GL-881
			3-0	2	75	30	Violet	36		GL-882
CV-13 3/8 Circle 22.0 mm		CV-13	4-0	1.5	75	30	Violet	36		CL-304
			3-0	2	75	30	Violet	36		GL-303
			2-0	3	75	30	Violet	36		GL-302
CV-18 3/8 Circle 26.0 mm		CV-18	2-0	3	75	30	Violet	36		CL-457
CV-17 3/8 Circle 32.0 mm		CV-17	3-0	2	75	30	Violet	36		GL-522
			2-0	3	75	30	Violet	36		GL-523
			0	3.5	75	30	Violet	36		GL-524

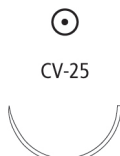
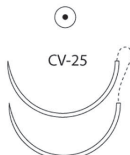




TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
CVF-21 1/2 Circle 12.0 mm	 CVF-21	6-0	0.7	45	18	Violet	36	Surgalloy™	UL-102	
		6-0	0.7	45	18	Undyed	36	Surgalloy™	UL-101	
		5-0	1	45	18	Undyed	36	Surgalloy™	SL-432	
		4-0	1.5	45	18	Undyed	36		SL-431	
CV-22 1/2 Circle 13.0 mm	 CV-22	5-0	1	5 × 45	18	Violet	12	D-Tach™	GL-45-MG	
		5-0	1	75	30	Undyed	36		GL-885	
		4-0	1.5	5 × 45	18	Violet	12	D-Tach™	GL-44-MG	
		4-0	1.5	75	30	Undyed	36		GL-884	
		4-0	1.5	75	30	Violet	36		CL-782	
CV-23 1/2 Circle 17.0 mm	 CV-23	6-0	0.7	75	30	Violet	36		UL-201	
		5-0	1	75	30	Violet	36		UL-202	
		5-0	1	75	30	Undyed	36		UL-213	
		4-0	1.5	5 × 45	18	Violet	12	D-Tach™	GL-46-MG	
		4-0	1.5	75	30	Violet	36	Surgalloy™	UL-303	
		4-0	1.5	75	30	Undyed	36		UL-212	
		3-0	2	5 × 45	18	Undyed	12	D-Tach™	UL-47-MG	
		3-0	2	5 × 45	18	Violet	12	D-Tach™	GL-47-MG	
		3-0	2	75	30	Violet	36		UL-204	
		3-0	2	75	30	Undyed	36		UL-215	
		2-0	3	75	30	Undyed	36		UL-216	
		2-0	3	75	30	Violet	36		UL-205	
CVF-23 1/2 Circle 17.0 mm	 CVF-23	4-0	1.5	75	30	Undyed	36	Surgalloy™	UL-214	
		4-0	1.5	75	30	Violet	36	Surgalloy™	UL-203	
CVF-23 1/2 Circle 17.0 mm Double-arm	 CVF-23	4-0	1.5	90	36	Violet	36	Surgalloy™	CL-219	



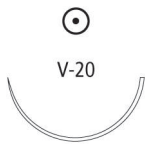
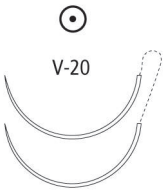


TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-24 1/2 Circle 20.0 mm		4-0	1.5	75	30	Violet	36		CL-460	
		3-0	2	75	30	Violet	36		CL-461	
		2-0	3	75	30	Violet	36		CL-462	
CV-25 1/2 Circle 22.0 mm		4-0	1.5	5 × 45	18	Violet	12	D-Tach™	GL-34-MG	
		4-0	1.5	75	30	Violet	36		GL-181	
		4-0	1.5	75	30	Undyed	36		GL-191	
		3-0	2	5 × 45	18	Violet	12	D-Tach™	GL-33-MG	
		3-0	2	75	30	Violet	36		GL-182	
		3-0	2	75	30	Undyed	36		GL-192	
		3-0	2	5 × 75	30	Violet	12	D-Tach™	GL-182-M	
		3-0	2	120	48	Violet	24	Surgalloy™ Endoscopy	EL-440	
		2-0	3	5 × 45	18	Violet	12	D-Tach™	GL-32-MG	
		2-0	3	75	30	Violet	36		GL-183	
CV-25 1/2 Circle 22.0 mm Double-arm		3-0	2	90	36	Violet	36		GL-282	
GS-23 1/2 Circle 22.0 mm		3-0	2	75	30	Violet	36		CL-892	
		2-0	3	5 × 45	18	Undyed	12	D-Tach™	CL-42-MG	
		2-0	3	75	30	Violet	36		CL-893	
		0	3.5	75	30	Violet	36		CL-894	



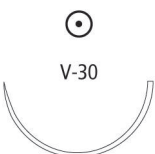


TAPER POINT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
V-20 1/2 Circle 26.0 mm 	5-0	1	75	30	Violet	36		GL-120
	4-0	1.5	5 × 45	18	Violet	12	D-Tach™	GL-64-MG
	4-0	1.5	75	30	Undyed	36	Surgalloy™	GLS-321
	4-0	1.5	75	30	Violet	36	Surgalloy™	GLS-121
	4-0	1.5	5 × 75	30	Violet	12	D-Tach™	GL-68-M
	4-0	1.5	75	30	Undyed	36		GL-321
	4-0	1.5	75	30	Violet	36		GL-121
	3-0	2	5 × 45	18	Undyed	12	D-Tach™	GL-69-MG
	3-0	2	5 × 45	18	Violet	12	D-Tach™	GL-63-MG
	3-0	2	75	30	Undyed	36	Surgalloy™	GLS-322
	3-0	2	75	30	Violet	36	Surgalloy™	GLS-122
	3-0	2	5 × 75	30	Violet	12	D-Tach™	GL-67-M
	3-0	2	75	30	Undyed	36		GL-322
	3-0	2	75	30	Violet	36		GL-122
	3-0	2	90	36	Violet	36		GL-226
	2-0	3	5 × 45	18	Violet	12	D-Tach™	GL-62-MG
	2-0	3	5 × 45	18	Undyed	12	D-Tach™	GL-61-MG
	2-0	3	75	30	Undyed	36	Surgalloy™	GLS-323
	2-0	3	75	30	Violet	36	Surgalloy™	GLS-123
	2-0	3	5 × 75	30	Violet	12	D-Tach™	GL-66-M
	2-0	3	75	30	Undyed	36		GL-323
	2-0	3	75	30	Violet	36		GL-123
	2-0	3	90	36	Violet	36		GL-125
	0	3.5	75	30	Undyed	36		GL-324
	0	3.5	75	30	Violet	36		GL-124
V-20 1/2 Circle 26.0 mm Double-arm 	3-0	2	90	36	Violet	36		GL-332
	2-0	3	90	36	Violet	36		GL-333





TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-22 1/2 Circle 27.0 mm 	3-0	2	75	30	Violet	36		CL-882
	3-0	2	75	30	Undyed	36		CL-829
	2-0	3	5 × 45	18	Violet	12	D-Tach™	CL-16-MG
	2-0	3	75	30	Undyed	36		CL-830
	2-0	3	75	30	Violet	36		CL-883
	0	3.5	5 × 45	18	Violet	12	D-Tach™	CL-17-MG
	0	3.5	75	30	Violet	36	Surgalloy™	CLS-884
	0	3.5	5 × 75	30	Violet	12	D-Tach™	CL-886-M
	0	3.5	75	30	Violet	36		CL-884
	0	3.5	75	30	Undyed	36		CL-831
	0	3.5	90	36	Violet	36		CL-330
	1	4	75	30	Violet	36		CL-885
	1	4	5 × 75	30	Violet	12	D-Tach™	CL-885-M
	1	4	75	30	Undyed	36		CL-832
	1	4	90	36	Violet	36		CL-331
	2	5	75	30	Violet	36		CL-232
V-30 1/2 Circle 30.0 mm 	3-0	2	75	30	Violet	36		GL-222
	2-0	3	75	30	Violet	36		GL-223
	2-0	3	75	30	Undyed	36		GL-228
	2-0	3	5 × 75	30	Violet	12	D-Tach™	GL-223-M
	0	3.5	75	30	Violet	36		GL-224
	1	4	75	30	Violet	36		GL-225

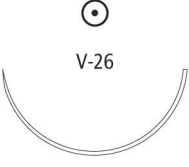
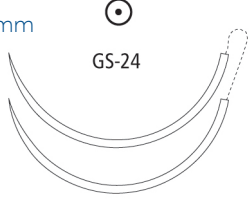




TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-21 1/2 Circle 37.0 mm 	4-0	1.5	75	30	Violet	36		CL-809
	3-0	2	5 × 45	18	Violet	12	D-Tach™	CL-8-MG
	3-0	2	75	30	Undyed	36		CL-842
	3-0	2	75	30	Violet	36		CL-810
	3-0	2	90	36	Violet	36		CL-922
	3-0	2	90	36	Undyed	36		CL-952
	2-0	3	5 × 45	18	Violet	12	D-Tach™	CL-9-MG
	2-0	3	5 × 45	18	Undyed	12	D-Tach™	CL-13-MG
	2-0	3	75	30	Undyed	36		CL-843
	2-0	3	75	30	Violet	36		CL-811
	2-0	3	5 × 75	30	Violet	12	D-Tach™	CL-4M
	2-0	3	90	36	Violet	36		CL-923
	2-0	3	90	36	Undyed	36		CL-953
	0	3.5	5 × 45	18	Undyed	12	D-Tach™	CL-14-MG
	0	3.5	5 × 45	18	Violet	12	D-Tach™	CL-10-MG
	0	3.5	75	30	Undyed	36		CL-844
	0	3.5	75	30	Violet	36		CL-812
	0	3.5	5 × 75	30	Violet	12	D-Tach™	CL-5-M
	0	3.5	5 × 75	30	Undyed	12	D-Tach™	CL-2M
	0	3.5	75	30	Violet	24		CL-812
	0	3.5	90	36	Undyed	36		CL-954
	0	3.5	90	36	Violet	36		CL-924
	1	4	5 × 45	18	Undyed	12	D-Tach™	CL-15-MG
	1	4	5 × 45	18	Violet	12	D-Tach™	CL-11-MG
	1	4	75	30	Undyed	36		CL-845
	1	4	75	30	Violet	36		CL-813
	1	4	5 × 75	30	Violet	12	D-Tach™	CL-6-M
	1	4	90	36	Violet	36		CL-925
	1	4	90	36	Undyed	36		CL-955
	2	5	75	30	Violet	36		CL-814
	2	5	90	36	Violet	36		CL-926





TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
V-26 1/2 Circle 37.0 mm 	3-0	2	75	30	Violet	36		GL-126
	2-0	3	75	30	Violet	36		GL-127
	0	3.5	75	30	Violet	36		GL-128
	1	4	75	30	Violet	36		GL-129
GS-24 1/2 Circle 40.0 mm 	3-0	2	75	30	Violet	36		CL-800
	3-0	2	90	36	Undyed	36		CL-962
	3-0	2	90	36	Violet	36		CL-912
	2-0	3	5 × 45	18	Violet	12	D-Tach™	CL-22-MG
	2-0	3	75	30	Undyed	36		CL-853
	2-0	3	75	30	Violet	36		CL-801
	2-0	3	90	36	Violet	36		CL-913
	2-0	3	90	36	Undyed	36		CL-963
	0	3.5	5 × 45	18	Violet	12	D-Tach™	CL-20-MG
	0	3.5	75	30	Violet	36		CL-802
	0	3.5	90	36	Violet	36		CL-914
	0	3.5	90	36	Undyed	36		CL-964
	1	4	5 × 45	18	Violet	12	D-Tach™	CL-21-MG
	1	4	75	30	Violet	36		CL-803
	1	4	75	30	Undyed	36		CL-855
	1	4	90	36	Violet	36		CL-915
	1	4	90	36	Undyed	36		CL-965
	2	5	5 × 45	18	Violet	6	D-Tach™	CL-623-M
	2	5	5 × 60	24	Violet	12	D-Tach™	CL-622-M
	2	5	75	30	Violet	36		CL-779
	2	5	90	36	Violet	36		CL-911
GS-24 1/2 Circle 40.0 mm Double-arm 	3-0	2	150	60	Violet	36		CL-990

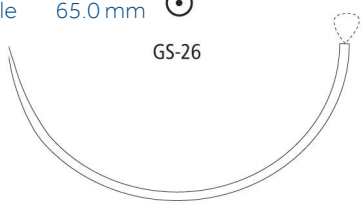
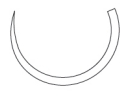
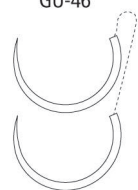




TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-25 1/2 Circle 48.0 mm 	3-0	2	75	30	Violet	36		CL-862
	3-0	2	90	36	Undyed	36		CL-972
	2-0	3	5 × 45	18	Undyed	12	D-Tach™	CL-36-MG
	2-0	3	75	30	Violet	36		CL-863
	2-0	3	90	36	Undyed	36		CL-973
	2-0	3	90	36	Violet	36		CL-903
	0	3.5	5 × 45	18	Undyed	12	D-Tach™	CL-35-MG
	0	3.5	5 × 45	18	Violet	12	D-Tach™	CL-30-MG
	0	3.5	75	30	Violet	36		CL-864
	0	3.5	90	36	Undyed	36		CL-974
	0	3.5	90	36	Violet	36		CL-904
	1	4	5 × 45	18	Violet	12	D-Tach™	CL-31-MG
	1	4	75	30	Violet	36		CL-865
	1	4	75	30	Violet	12	D-Tach™	CL-64-M
	1	4	90	36	Undyed	36		CL-975
	1	4	90	36	Violet	36		CL-905
	2	5	5 × 45	18	Violet	6	D-Tach™	CL-633-M
	2	5	5 × 60	24	Violet	12	D-Tach™	CL-644-M
	2	5	75	30	Violet	36		CL-866
	2	5	5 × 75	30	Violet	6	D-Tach™	CL-665-M
	2	5	90	36	Violet	36		CL-906
GS-26 1/2 Circle 65.0 mm 	2-0	3	75	30	Undyed	24		CL-63
	1	4	5 × 75	30	Violet	12		CL-60-M
	1	4	90	36	Violet	36		CL-968
	1	4	150	60	Violet	24		CL-824
	2	5	5 × 75	30	Violet	6		CL-659-M
	2	5	100	40	Undyed	36		CL-969
	2	5	150	60	Undyed	24		CL-880
	2	5	150	60	Violet	24		CL-825





TAPER POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
GS-26 LOOP 1/2 Circle 65.0 mm  GS-26	1	4	120	48	Violet	24	Loop	CL824L	
	2	5	240	96	Violet	24	Loop	CL-835-L	
GS-27 1/2 Circle 76.0 mm  GS-27	2-0	3	75	30	Undyed	24		CL-53	
	1	4	75	30	Violet	24	455	SL-603	
GU-46 5/8 Circle 27.0 mm  GU-46	3-0	2	75	30	Violet	36		UL-879	
	2-0	3	75	30	Violet	36		UL-878	
	0	3.5	75	30	Violet	36		UL-877	
	1	4	75	30	Violet	36		UL-876	
GU-46 5/8 Circle 27.0 mm Double-arm  GU-46	0	3.5	90	36	Violet	36		UL-240	
GU-45 5/8 Circle 37.0 mm  GU-45	2-0	3	75	30	Violet	36		UL-245	
	0	3.5	75	30	Violet	36		UL-246	
GU-44 5/8 Circle 40.0 mm  GU-44	0	3.5	75	30	Violet	36		UL-146	





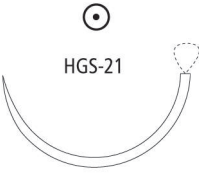
TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
SK SKI	23.0 mm	 SK 	3-0	2	18	7	Violet	36	Endoscopy	EL415
			3-0	2	120	48	Violet	24	Endoscopy	EL450
TJ-32 1/2 Circle	32.0 mm	 TJ-32 	1	4	75	30	Violet	12		CL-673G
			1	4	75	30	Violet	36		CL-673

HEAVY TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
HGS-22 1/2 Circle 27.0 mm		HGS-22	2-0	3	5 × 45	18	Violet	12	D-Tach™	CL-86-MG
			0	3.5	5 × 45	18	Undyed	12	D-Tach™	CL-87-MG
			1	4	75	30	Violet	36		CL-871
HGS-20 1/2 Circle 34.0 mm		HGS-20	2-0	3	5 × 75	30	Violet	12	D-Tach™	CL-996-MG
			0	3.5	5 × 75	30	Violet	12	D-Tach™	CL-997-MG
			1	4	5 × 75	30	Violet	12	D-Tach™	CL-998-MG
HGS-21 1/2 Circle 37.0 mm		HGS-21	2-0	3	5 × 45	18	Violet	12	D-Tach™	CL-202-M
			2-0	3	75	30	Violet	36		CL-930
			2-0	3	90	36	Violet	36		CL-970
			0	3.5	5 × 45	18	Violet	12	D-Tach™	CL-200-M
			0	3.5	75	30	Violet	36		CL-931
			0	3.5	5 × 75	30	Violet	12	D-Tach™	CL-71-M
			0	3.5	90	36	Violet	36		CL-971
			1	4	5 × 45	18	Violet	12	D-Tach™	CL-201-M
			1	4	75	30	Violet	36		CL-932
			1	4	90	36	Violet	36		CL-239
			2	5	75	30	Violet	36		CL-934





HEAVY TAPER POINT

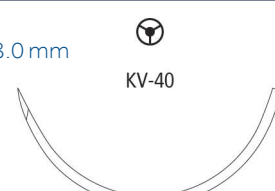
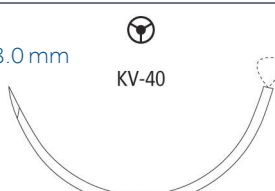
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
HGS-21 LOOP 1/2 Circle 37.0 mm 	0	3.5	150	60	Violet	24	Loop	CL-871-L
HGU-46 5/8 Circle 27.0 mm 	0	3.5	45	18	Violet	36		CL-576
	0	3.5	75	30	Violet	36		CL-677
	1	4	75	30	Violet	36		UL-676

TAPERCUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
KV-7 1/2 Circle 26.0 mm 	3-0	2	75	30	Violet	36	Surgalloy™	CL-510
	2-0	3	75	30	Violet	36	Surgalloy™	CL-511
KV-34 1/2 Circle 37.0 mm 	3-0	2	90	36	Violet	36		CL-942
	2-0	3	75	30	Violet	36		CL-837
	2-0	3	90	36	Violet	36		CL-943
	2-0	3	90	36	Undyed	36		CL-946
	0	3.5	75	30	Violet	36		CL-838
	0	3.5	90	36	Undyed	36		CL-515
	0	3.5	90	36	Violet	36		CL-944
	1	4	75	30	Violet	36		CL-839
	1	4	90	36	Undyed	36		CL-516
	1	4	90	36	Violet	36		CL-945
	2	5	90	36	Violet	36		CL-517





TAPERCUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
KV-37 1/2 Circle 40.0 mm 	2-0	3	75	30	Violet	36		CL-603	
	0	3.5	75	30	Violet	36		CL-602	
KV-40 1/2 Circle 48.0 mm 	0	3.5	90	36	Violet	36		CL-739	
	1	4	75	30	Violet	36		CL-840	
	1	4	90	36	Violet	36		CL-940	
	2	5	75	30	Violet	36		CL-841	
	2	5	90	36	Violet	36		CL-941	
KV-40 LOOP 1/2 Circle 48.0 mm 	1	4	150	60	Violet	24	Loop	CL-740-L	
	2	5	150	60	Violet	24	Loop	CL-741-L	

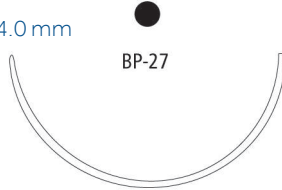
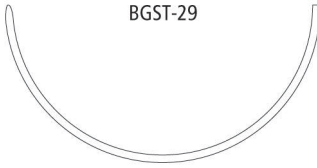
BLUNT POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
BTV-20 1/2 Circle 26.0 mm 	3-0	2	5 × 45	18	Undyed	12	D-Tach™, ProtectPoint™	GLT-69-MG	
BGS-21 1/2 Circle 37.0 mm 	2-0	3	90	36	Violet	36	ProtectPoint™	CL-956	
	2-0	3	90	36	Undyed	36	ProtectPoint™	CL-259	
	0	3.5	5 × 45	18	Violet	12	D-Tach™, ProtectPoint™	CL-250-M	
	0	3.5	5 × 45	18	Undyed	12	D-Tach™, ProtectPoint™	CL-240-M	
	0	3.5	90	36	Violet	36	ProtectPoint™	CL-957	
	1	4	90	36	Violet	36	ProtectPoint™	CL-958	



BLUNT POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
BTP-1 1/2 Circle 37.0 mm 	3-0	2	90	36	Undyed	36	ProtectPoint™	CLT-952	
	2-0	3	5 × 45	18	Violet	12	D-Tach™, ProtectPoint™	CLT-9-MG	
	2-0	3	5 × 45	18	Undyed	12	D-Tach™, ProtectPoint™	CLT-13-MG	
	2-0	3	75	30	Undyed	36	ProtectPoint™	CLT-259	
	2-0	3	90	36	Undyed	36	ProtectPoint™	CLT-953	
	0	3.5	5 × 45	18	Violet	12	D-Tach™, ProtectPoint™	CLT-250-MG	
	0	3.5	75	30	Violet	36		CLT-957	
	0	3.5	90	36	Undyed	36	ProtectPoint™	CLT-954	
	1	4	5 × 45	18	Undyed	12	D-Tach™, ProtectPoint™	CLT-15-MG	
	1	4	5 × 45	18	Violet	12	D-Tach™, ProtectPoint™	CLT-11-MG	
	1	4	75	30	Violet	36	ProtectPoint™	CLT-958	
	1	4	90	36	Undyed	36	ProtectPoint™	CLT-955	
BGS-24 1/2 Circle 40.0 mm 	0	3.5	90	36	Violet	36	ProtectPoint™	CL-950	
	1	4	90	36	Violet	36	ProtectPoint™	CL-951	
BTP-X 1/2 Circle 48.0 mm 	0	3.5	5 × 45	18	Violet	12	D-Tach™, ProtectPoint™	CLT-850-MG	
	0	3.5	5 × 45	18	Undyed	12	D-Tach™, ProtectPoint™	CLT-20-MG	
	1	4	5 × 45	18	Violet	12	D-Tach™, ProtectPoint™	CLT-851-MG	
	1	4	5 × 45	18	Undyed	12	D-Tach™, ProtectPoint™	CLT-21-MG	
	1	4	90	36	Undyed	36	ProtectPoint™	CLT-855	
	2	5	5 × 45	18	Violet	6	D-Tach™, ProtectPoint™	CLT-623-M	





BLUNT POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
BGS-25 1/2 Circle 48.0 mm  BGS-25	0	3.5	90	36	Violet	36	ProtectPoint™	CL-948	
	1	4	90	36	Violet	36	ProtectPoint™	CL-949	
BGS-29 1/2 Circle 63.0 mm  BGS-29	2	5	2 × 90	36	Violet	12	ProtectPoint™	2-CL-852	
BP-27 1/2 Circle 64.0 mm  BP-27	1	4	90	36	Violet	36	ProtectPoint™	CL-271	
	2	5	90	36	Violet	36	ProtectPoint™	CL-270	
BGST-29 1/2 Circle 65.0 mm  BGST-29	2	5	5 × 75	30	Violet	6	D-Tach™, ProtectPoint™	CLT-633-M	





DIAMOND POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
KV-25 1/2 Circle 22.0 mm 	1	4	75	30	Undyed	36		CL-513
KV-30 1/2 Circle 27.0 mm 	0	3.5	90	36	Undyed	36		CL-730

MULTIPURPOSE								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
3.16 3/8 Circle 16.0 mm 	4-0	1.5	45	18	Undyed	36		CL-005
4.21 (H)* 1/2 Circle 20.0 mm 	2-0	3	75	30	Violet	36		CL-015
4.31 (H)* 1/2 Circle 30.0 mm 	0	3.5	75	30	Violet	36		CL-030

*(H) = Heavy





MULTIPURPOSE									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
4.41 1/2 Circle 40.0 mm  4.41 	2-0	3	75	30	Violet	36		CL-045	
	0	3.5	75	30	Violet	36		UL-046	
			75	30	Violet	36		CL-047	
4.5 1/2 Circle 50 mm (Not to scale)  4.50 	2	5	90	36	Violet	36		CL-055	
4.51 (H) 1/2 Circle 50 mm  4.51 	2-0	3	75	30	Violet	36		CL-060	

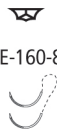
SPATULA									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
SE-100-8 1/4 Circle 6.3 mm Double-arm  SE-100-8 	6-0	0.7	45	18	Violet	12	Surgalloy™	L-1750K	
SS-29 1/4 Circle 7.4 mm Double-arm  SS-29 	6-0	0.7	30	12	Violet	12	Surgalloy™	L-1756K	
	6-0	0.7	45	18	Violet	12	Surgalloy™	L-1755K	



SPATULA									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
SS-14 1/4 Circle 8.6 mm Double-arm		6-0	0.7	45	18	Violet	12	Surgalloy™	L-1791K
		6-0	0.7	45	18	Undyed	12	Surgalloy™	L-1670-K
		5-0	1	45	18	Violet	12	Surgalloy™	L-1792K
		5-0	1	45	18	Undyed	12	Surgalloy™	L-1669-K
SS-24 1/4 Circle 8.6 mm Double-arm		6-0	0.7	20	8	Violet	12		L-1740-K
		6-0	0.7	30	12	Violet	12	Surgalloy™	L-1742K
		6-0	0.7	30	12	Undyed	12	Surgalloy™	L-1745K
		6-0	0.7	45	18	Undyed	24	Surgalloy™	L-2752K
		5-0	1	20	8	Violet	12	Surgalloy™	L-1739-K
		5-0	1	30	12	Violet	12	Surgalloy™	L-1785K
		5-0	1	45	18	Undyed	24	Surgalloy™	L-2753K
SE-140-8 3/8 Circle 6.3 mm		8-0	0.4	30	12	Violet	12	Surgalloy™	L-2750K
		7-0	0.5	30	12	Violet	12	Surgalloy™	L-2751K
SE-140-8 3/8 Circle 6.3 mm Double-arm		8-0	0.4	20	8	Violet	12	Surgalloy™	L-2747K
		8-0	0.4	30	12	Violet	12	Surgalloy™	L-2748K
		8-0	0.4	45	18	Violet	12	Surgalloy™	L-5118K
		7-0	0.5	30	12	Violet	12	Surgalloy™	L-1796K
		7-0	0.5	45	18	Violet	12	Surgalloy™	L-1897K
SS-28 3/8 Circle 7.4 mm Double-arm		6-0	0.7	45	18	Violet	12	Surgalloy™	L-1562-K





SPATULA									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
SE-160-8 1/2 Circle 5.5 mm Double-arm	 SE-160-8	8-0	0.4	20	8	Violet	12	Surgalloy™	L-2574K
		8-0	0.4	30	12	Violet	12	Surgalloy™	L-2749K
		7-0	0.5	45	18	Violet	12	Surgalloy™	L-1787K
SS-2 1/2 Circle 8.6 mm Double-arm	 SS-2	5-0	1	30	12	Undyed	12	Surgalloy™	L-0223K

CAPROSYN™

Monofilament Absorbable Suture

There when you need it. Gone when you don't.



Rapid absorption can lessen wound complications

- Fastest absorbing monofilament suture
- Short-term wound support
- Excellent pliability, handling and knot security
- Predictable strength retention

Absorption

Absorbable By Hydrolysis. Essentially complete by 56 days.

Tensile Strength

A minimum of 50 to 60% USP and EP knot strength at 5 days post implantation, and a minimum of 20–30% of USP and EP knot strength at 10 days. All original tensile strength is essentially lost by 21 days post implantation.

Packaging

Available undyed or dyed with D&C Violet No. 2 in USP sizes 1 (4 metric) through 6-0 (0.7 Metric).

The sutures are supplied sterile, in pre-cut lengths or ligating reels, nonneedled or affixed to various needle types. The sutures are available in box quantities of one, two and three dozen.

Indications

Caprosyn™ synthetic absorbable sutures are indicated for use in general soft tissue approximation and/or ligation, but not for use in cardiovascular or neurological surgery, microsurgery, or ophthalmic surgery

Description

Caprosyn™ monofilament synthetic absorbable sutures are prepared from Polyglytone™ 6211 synthetic polyester which is composed of glycolide, caprolactone, trimethylene carbonate, and lactide.

Indications

Caprosyn™ synthetic absorbable sutures are indicated for use in general soft tissue approximation and/or ligation, but not for use in ardiovascular or neurological surgery, microsurgery, or ophthalmic surgery.

Actions

Caprosyn™ synthetic absorbable sutures elicit a minimal acute inflammatory reaction in tissues, which is followed by gradual encapsulation of the suture by fibrous connective tissue. Progressive loss of tensile strength and eventual absorption of Caprosyn™ synthetic absorbable sutures occurs by means of hydrolysis.

Tensile Strength

Implantation studies in animals indicate that Caprosyn™ suture retains a minimum of 50 to 60% USP and EP knot strength at 5 days post implantation, and a minimum of 20 – 30% of USP and EP knot strength at 10 days post implantation. All of the original tensile strength is essentially lost by 21 days post implantation.

Sterilization

Ethylene oxide.

Absorbtion

Absorption begins as a loss of tensile strength followed by a loss of mass. Absorption of Caprosyn™ synthetic absorbable suture is essentially complete by 56 days.

Packaging

Caprosyn™ synthetic absorbable sutures are available undyed (natural) or dyed with D&C Violet No. 2 in USP sizes 1 (4 metric) through 6–0 (0.7 Metric). The sutures are supplied sterile, in pre-cut lengths or ligating reels, non-needled or affixed to various needle types. The sutures are available in box quantities of one, two and three dozen.

Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

Caprosyn™

Caprosyn™ suture is a brand you have trusted for over 10 years with a proven history of performance.

REEL

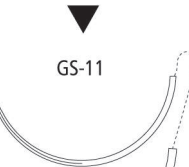
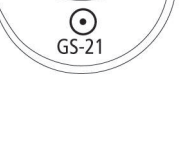
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	3-0	2	150	60	Undyed	24		C-212
	0	3.5	150	60	Undyed	36		C-214

REVERSE CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-13 3/8 Circle 19.0 mm 	5-0	1	45	18	Undyed	36		SC-3634
	4-0	1.5	45	18	Undyed	12		SC-690G
	4-0	1.5	75	30	Undyed	36		SC-691
	3-0	2	45	18	Undyed	12		SC-694G
	3-0	2	75	30	Undyed	36		SC-692
	2-0	3	75	30	Undyed	36		SC-693
C-14 3/8 Circle 24.0 mm 	3-0	2	75	30	Undyed	12	Surgalloy™	SC-693G
C-15 3/8 Circle 26.0 mm 	3-0	2	75	30	Undyed	36		SC-587
	2-0	3	75	30	Undyed	36		SC-586
C-16 3/8 Circle 30.0 mm 	0	3.5	75	30	Undyed	36	Surgalloy™	SC-585



REVERSE CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-11 1/2 Circle 37.0 mm 	2-0	3	75	30	Undyed	36		CC-543
GS-11 1/2 Circle 37.0 mm  GS-21 Taper Point 1/2 Circle 37.0 mm Double-arm 	2-0	3	150	60	Undyed	36		CC-983

PREMIUM REVERSE CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-10 3/8 Circle 11.0 mm 	6-0	0.7	45	18	Undyed	12	Surgalloy™	SC-3625G
	5-0	1	45	18	Undyed	12	Surgalloy™	SC-3626G
P-13 3/8 Circle 13.0 mm 	6-0	0.7	45	18	Undyed	12	Surgalloy™	SC-5688G
	6-0	0.7	45	18	Violet	12	Surgalloy™	SC-5588G
	5-0	1	45	18	Undyed	12	Surgalloy™	SC-5689G
	5-0	1	45	18	Violet	12	Surgalloy™	SC-5587G
	4-0	1.5	45	18	Undyed	12	Surgalloy™	SC-5690G
	4-0	1.5	45	18	Violet	12	Surgalloy™	SC-5590G



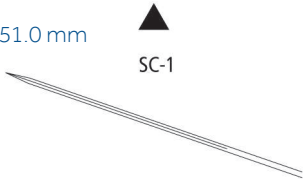
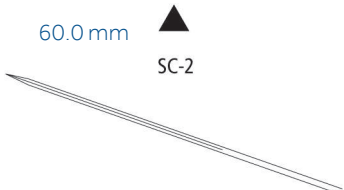


PREMIUM REVERSE CUTTING											
Needles Specifications				Size		Length		Color	Units	Comments	Reorder code
				USP	EP	cm	Inches				
P-11 3/8 Circle 16.0 mm		6-0	0.7	45	18	Undyed	12	Surgalloy™	SC-5635G		
		5-0	1	45	18	Undyed	12	Surgalloy™	SC-5626G		
		5-0	1	45	18	Undyed	36	Surgalloy™	SC-5626		
		4-0	1.5	45	18	Undyed	12	Surgalloy™	SC-5686G		
P-12 3/8 Circle 19.0 mm		5-0	1	45	18	Undyed	12	Surgalloy™	SC-5616G		
		4-0	1.5	45	18	Undyed	12	Surgalloy™	SC-5617G		
		4-0	1.5	45	18	Violet	12	Surgalloy™	SC-5627G		
		4-0	1.5	75	30	Undyed	12	Surgalloy™	SC-5637G		
		3-0	2	45	18	Undyed	12	Surgalloy™	SC-5618G		
		3-0	2	75	30	Undyed	12	Surgalloy™	SC-5638G		
P-14 3/8 Circle 24.0 mm		4-0	1.5	45	18	Undyed	36	Surgalloy™	SC-5679		
		4-0	1.5	75	30	Undyed	36	Surgalloy™	SC-5779		
		3-0	2	45	18	Undyed	36	Surgalloy™	SC-5640		
		3-0	2	75	30	Undyed	12	Surgalloy™	SC-5780G		
P-24 1/2 Circle 16.0 mm		4-0	1.5	45	18	Undyed	12	Surgalloy™	SC-5643G		

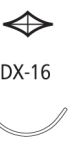




CONVENTIONAL CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
SC-1 Straight 51.0 mm  SC-1	3-0	2	75	30	Undyed	36	Surgalloy™	SC-543
	2-0	3	75	30	Undyed	36	Surgalloy™	SC-542
SC-2 Straight 60.0 mm  SC-2	4-0	1.5	75	30	Undyed	36	Surgalloy™	SC-644
	3-0	2	75	30	Undyed	36		SC-643

DERMAX PREMIUM X CUTTINGT

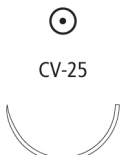
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
DX-13 3/8 Circle 13.0 mm  DX-13	5-0	1	45	18	Undyed	12	DermaX	XC-834
DX-16 3/8 Circle 16.0 mm  DX-16	5-0	1	45	18	Undyed	12	DermaX	XC-844
	4-0	1.5	45	18	Undyed	12	DermaX	XC-845



DERMAX PREMIUM X CUTTING

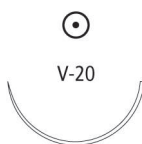
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
DX-19 3/8 Circle 19.0 mm  DX-19	4-0	1.5	45	18	Undyed	12	DermaX	XC-823

TAPER POINT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
CV-23 1/2 Circle 17.0 mm  CV-23	5-0	1	75	30	Undyed	36	Surgalloy™	UC-202
	4-0	1.5	75	30	Undyed	36	Surgalloy™	UC-203
	4-0	1.5	75	30	Violet	36	Surgalloy™	UC-214
	3-0	2	75	30	Violet	36		UC-213
	3-0	2	75	30	Undyed	36	Surgalloy™	UC-204
CV-25 1/2 Circle 22.0 mm  CV-25	4-0	1.5	75	30	Undyed	36	Surgalloy™	UC-403
	3-0	2	5 × 45	18	Undyed	12	D-Tach™	GC-33-M
	3-0	2	75	30	Undyed	36	Surgalloy™	UC-404
GS-23 1/2 Circle 22.0 mm  GS-23	2-0	3	75	30	Undyed	36		UC-863

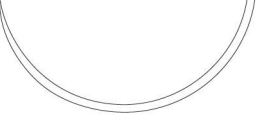




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
V-20 1/2 Circle 26.0 mm 	4-0	1.5	75	30	Violet	36	Surgalloy™	GC-321		
	4-0	1.5	75	30	Undyed	36	Surgalloy™	GC-121		
	3-0	2	75	30	Undyed	36	Surgalloy™	GC-122		
	3-0	2	75	30	Violet	36	Surgalloy™	GC-322		
	2-0	3	75	30	Undyed	36	Surgalloy™	GC-123		
	2-0	3	75	30	Violet	36	Surgalloy™	GC-323		
	0	3.5	75	30	Undyed	36	Surgalloy™	GC-124		
GS-22 1/2 Circle 27.0 mm 	2-0	3	75	30	Undyed	36		CC-883		
	2-0	3	75	30	Violet	36		CC-830		
	0	3.5	75	30	Undyed	36		CC-884		
	0	3.5	75	30	Violet	36		CC-831		
	1	4	75	30	Undyed	36		CC-885		
GS-21 1/2 Circle 37.0 mm 	3-0	2	75	30	Undyed	36		CC-810		
	3-0	2	90	36	Undyed	36		CC-922		
	2-0	3	75	30	Violet	36		CC-843		
	2-0	3	75	30	Undyed	36		CC-811		
	2-0	3	90	36	Undyed	36		CC-923		
	0	3.5	75	30	Violet	36		CC-844		
	0	3.5	75	30	Undyed	36		CC-812		
	0	3.5	90	36	Undyed	36		CC-924		
	1	4	75	30	Violet	36		CC-845		
	1	4	75	30	Undyed	36		CC-813		
	1	4	90	36	Undyed	36		CC-925		





TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
GS-24 1/2 Circle 40.0 mm 		2-0	3	75	30	Undyed	36		CC-801
		2-0	3	90	36	Undyed	36		CC-915
		0	3.5	75	30	Undyed	36		CC-802
		0	3.5	90	36	Undyed	36		CC-913
		1	4	75	30	Undyed	36		CC-803
		1	4	90	36	Undyed	36		CC-914
GS-25 1/2 Circle 48.0 mm 		2-0	3	75	30	Undyed	36		CC-872
		0	3.5	90	36	Undyed	36		CC-904
		1	4	90	36	Violet	36		CC-975
		1	4	90	36	Undyed	36		CC-905
GU-46 5/8 Circle 27.0 mm 		3-0	2	75	30	Violet	36		UC-879
		2-0	3	75	30	Undyed	36		UC-978
GU-46 5/8 Circle 27.0 mm 		2-0	3	75	30	Violet	36	Surgalloy™	CC-658
V-20 1/2 Circle 26.0 mm Double-arm 									





TAPERCUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
KV-34 1/2 Circle 37.0 mm  KV-34	2-0	3	90	36	Undyed	12		CC-1945G
	1	4	90	36	Undyed	36	Surgalloy™	CC-196



BIOSYN™

Monofilament Absorbable Sutures

Strength, suppleness and integrity.



Strength, suppleness and integrity for unbraided security

- Handling & strength of a braided suture with the benefits of a monofilament
- Excellent first-throw hold
- Precise and secure wound approximation
- The only absorbable monofilament with three weeks of wound support

Absorption

Absorbable By Hydrolysis. Essentially complete between 90–110 days.

Tensile Strength

Approximately 75% of USP and EP knot strength at 2 weeks and approximately 40% at 3 weeks post implantation.

Packaging

Available clear (undyed) or dyed violet in U.S.P. and E.P. sizes 1 (4 Metric) through 6-0 (0.7 Metric). The sutures are supplied sterile, in pre-cut lengths or affixed to various needle types using both permanent and removal needle attachment techniques.

Indications

Indicated for use in general soft tissue approximation and/or ligation including use in ophthalmic surgery, but not for use in cardiovascular or neurological surgery.

Description

Biosyn™ monofilament synthetic absorbable sutures are prepared from a synthetic polyester composed of glycolide, dioxanone, and trimethylene carbonate. Biosyn™ synthetic absorbable sutures are colored violet to increase visibility and are also available undyed.

Indications

Biosyn™ synthetic absorbable sutures are indicated for use in general soft tissue approximation and/or ligation including use in ophthalmic surgery, but not for use in cardiovascular or neurological surgery.

Actions

Biosyn™ synthetic absorbable sutures elicit a minimal acute inflammatory reaction in tissues, which is followed by gradual encapsulation of the suture by fibrous connective tissue. Progressive loss of tensile strength and eventual absorption of Biosyn™ synthetic absorbable sutures occurs by means of hydrolysis where the suture is broken down to glycolic acid, dioxanoic acid, propane diol and carbon dioxide which are subsequently absorbed and metabolized by the body.

Tensile Strength

Studies in animals indicate tensile strength averages for Biosyn™ synthetic absorbable sutures are approximately 75% of U.S.P and E.P. minimum knot strength at two weeks and approximately 40% at three weeks post-implant.

Sterilization

Ethylene oxide.

Absorbtion

Absorption begins as a loss of tensile strength without appreciable loss of mass. Absorption of Biosyn™ synthetic absorbable sutures is essentially complete between 90 and 110 days.

Packaging

Biosyn™ synthetic absorbable sutures are available undyed (natural) or dyed violet in U.S.P. and E.P. sizes 1 (4 Metric) through 6-0 (0.7 Metric). The sutures are supplied sterile, in pre-cut lengths or affixed to various needle types using both permanent and removal needle attachment techniques. Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

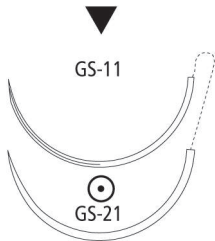
Biosyn™ suture is a brand you have trusted for over 15 years with a proven history of performance.

PRE-CUT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	4-0	1.5	6 × 45	18	Violet	24	Pre-cut	M-31-
	3-0	2	3 × 45	18	Violet	36	Pre-cut	M-72
	3-0	2	6 × 45	18	Violet	24	Pre-cut	M-32-
	2-0	3	6 × 45	18	Violet	24	Pre-cut	M-33-
	2-0	3	6 × 45	18	Undyed	24	Pre-cut	M-23-
	0	3.5	3 × 45	18	Violet	36	Pre-cut	M-74
	1	4	3 × 45	18	Violet	36	Pre-cut	M-75

STANDARD LENGHT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	0	3.5	150	60	Violet	36	Standard length	M-114

REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-13 3/8 Circle 19.0 mm 	5-0	1	75	30	Undyed	36		SM-690
	4-0	1.5	75	30	Violet	36		SM-791
	4-0	1.5	75	30	Undyed	12		SM-691G
	4-0	1.5	75	30	Undyed	36		SM-691
	3-0	2	75	30	Undyed	36		SM-822
	3-0	2	75	30	Violet	36		SM-922

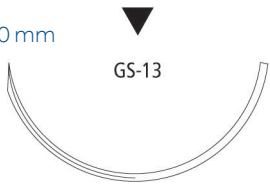


REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
C-14 3/8 Circle 24.0 mm 	3-0	2	75	30	Undyed	36		SM-693		
	2-0	3	75	30	Violet	36		SM-923		
	2-0	3	75	30	Undyed	36		SM-823		
C-23 1/2 Circle 24.0 mm 	4-0	1.5	75	30	Violet	36		SM-633		
	3-0	2	5 × 45	18	Violet	12	D-Tach™	SM-83-M		
	3-0	2	75	30	Violet	36		SM-632		
GS-10 1/2 Circle 26.0 mm 	2-0	3	75	30	Violet	36		CM-879		
GS-11 1/2 Circle 37.0 mm 	2-0	3	75	30	Violet	36		CM-816		
	2-0	3	75	30	Undyed	36		CM-543		
	0	3.5	75	30	Violet	36		CM-817		
	0	3.5	75	30	Undyed	36		CM-544		
GS-11 - GS-21 1/2 Circle 37.0 mm *Double-arm 	3-0	2	135	54	Undyed	36		CM-991		
	2-0	3	150	60	Undyed	36		CM-932		
HOS-11 1/2 Circle 37.0 mm 	1	4	75	30	Violet	36		CM-528		





REVERSE CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-13 1/2 Circle 48.0 mm 	1	4	90	36	Violet	36		CM-222

PREMIUM REVERSE CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-10 3/8 Circle 11.0 mm 	6-0	0.7	45	18	Undyed	12	Surgalloy™	SM-3625
	5-0	1	45	18	Undyed	12	Surgalloy™	SM-3626
P-13 3/8 Circle 13.0 mm 	6-0	0.7	45	18	Undyed	12	Surgalloy™	SM-5688
	5-0	1	45	18	Undyed	12	Surgalloy™	SM-5687
	4-0	1.5	45	18	Undyed	12	Surgalloy™	SM-5690
P-12 3/8 Circle 19.0 mm 	5-0	1	45	18	Undyed	12	Surgalloy™	SM-5624
	4-0	1.5	45	18	Undyed	12	Surgalloy™	SM-5627
	4-0	1.5	75	30	Undyed	12	Surgalloy™	SM-5637
	3-0	2	45	18	Undyed	12	Surgalloy™	SM-5628
	3-0	2	75	30	Undyed	12	Surgalloy™	SM-5638

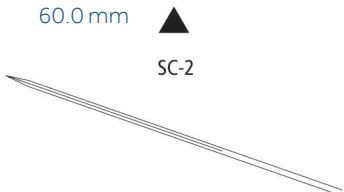




PREMIUM REVERSE CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-14 3/8 Circle 24.0 mm 	4-0	1.5	45	18	Undyed	24	Surgalloy™	SM-5679
	4-0	1.5	75	30	Undyed	36	Surgalloy™	SM-5678
	3-0	2	75	30	Undyed	12	Surgalloy™	SM-5679G

CONVENTIONAL CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
PC-13 3/8 Circle 11.0 mm 	5-0	1	45	18	Undyed	24		CM-401
	4-0	1.5	45	18	Undyed	24		CM-400
SC-2 Straight 60.0 mm 	4-0	1.5	75	30	Undyed	36		SM-644
	3-0	2	75	30	Undyed	36		SM-643



X CUTTING

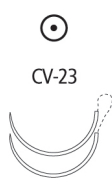
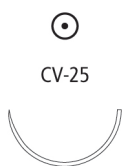
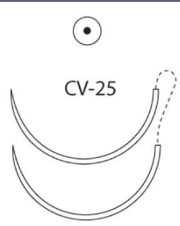
Needles Specifications	Size USP	EP	Length		Color	Units Per box	Comments	Reorder code
			cm	Inches				
DX-13 3/8 Circle 13.0 mm  DX-13	5-0	1	45	18	Undyed	12	DermaX	XM-834
DX-16 3/8 Circle 16.0 mm  DX-16	4-0	1.5	45	18	Undyed	12	DermaX	XM-845
DX-19 3/8 Circle 19.0 mm  DX-19	5-0	1	45	18	Undyed	12	DermaX	XM-822
	4-0	1.5	45	18	Undyed	12	DermaX	XM-823

TAPER POINT

Needles Specifications	Size USP	EP	Length		Color	Units Per box	Comments	Reorder code
			cm	Inches				
CVF-21 1/2 Circle 12.0 mm  CVF-21	5-0	1	45	18	Undyed	36	Surgalloy™	SM-432
	4-0	1.5	45	18	Undyed	36	Surgalloy™	SM-431
	4-0	1.5	75	30	Undyed	36	Surgalloy™	SM-434
CV-11 3/8 Circle 13.0 mm Double-arm  CV-11	5-0	1	75	30	Violet	36	Surgalloy™	CM-126

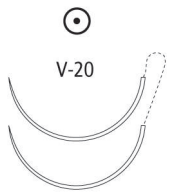
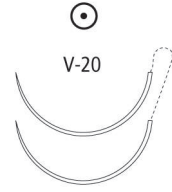
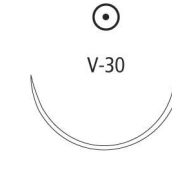




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-22 1/2 Circle 13.0 mm		6-0	0.7	75	30	Violet	36	Surgalloy™	UM-986	
		6-0	0.7	75	30	Undyed	36	Surgalloy™	UM-886	
		5-0	1	75	30	Violet	36	Surgalloy™	GM-875	
CV-23 1/2 Circle 17.0 mm		6-0	0.7	75	30	Violet	36	Surgalloy™	UM-201	
		5-0	1	75	30	Violet	36	Surgalloy™	UM-202	
		5-0	1	75	30	Undyed	36	Surgalloy™	UM-213	
		4-0	1.5	75	30	Undyed	36	Surgalloy™	UM-214	
		4-0	1.5	75	30	Violet	36	Surgalloy™	UM-203	
		3-0	2	75	30	Undyed	36	Surgalloy™	UM-215	
		3-0	2	75	30	Violet	36	Surgalloy™	UM-204	
CV-23 1/2 Circle 17.0 mm Double-arm		3-0	2	75	30	Violet	36	Surgalloy™	CM-208	
		4-0	1.5	75	30	Violet	36	Surgalloy™	UM-403	
CV-25 1/2 Circle 22.0 mm		4-0	1.5	5 × 45	18	Violet	12	D-Tach™	GM-34-M	
		4-0	1.5	75	30	Violet	36	Surgalloy™	GM-181	
		3-0	2	45	18	Violet	12	D-Tach™	GMJ33M	
		3-0	2	75	30	Violet	36	Surgalloy™	GM-324	
		2-0	3	75	30	Violet	36	Surgalloy™	GM-183	
CV-25 1/2 Circle 22.0 mm Double-arm		3-0	2	90	36	Violet	36	Surgalloy™	GM-282	
		4-0	1.5	75	30	Violet	36	Surgalloy™	GM-281	
		4-0	1.5	90	36	Violet	36	Surgalloy™	GM-291	

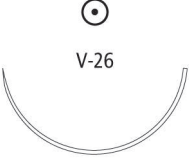




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
V-20 1/2 Circle 26.0 mm		4-0	1.5	75	30	Violet	36	Surgalloy™	GM-121	
		4-0	1.5	75	30	Undyed	36	Surgalloy™	GM-321	
		3-0	2	5 × 45	18	Undyed	12		GM-69-M	
		3-0	2	75	30	Violet	36	Surgalloy™	GM-122	
		3-0	2	5 × 75	30	Violet	12	D-Tach™	GM-67-M	
		3-0	2	75	30	Undyed	36	Surgalloy™	GM-322	
		2-0	3	75	30	Violet	36		GM-123	
		2-0	3	75	30	Undyed	36		GM-323	
		2-0	3	90	36	Violet	36		GM-125	
V-20 1/2 Circle 26.0 mm Double-arm		4-0	1.5	75	30	Violet	36	Surgalloy™	GM-421	
		4-0	1.5	90	36	Violet	36	Surgalloy™	GM-432	
		3-0	2	90	36	Violet	36	Surgalloy™	GM-332	
GS-22 1/2 Circle 27.0 mm		3-0	2	75	30	Violet	36		CM-882	
		2-0	3	75	30	Violet	36		CM-883	
		2-0	3	75	30	Undyed	36		CM-830	
		0	3.5	75	30	Violet	36		CM-884	
		0	3.5	75	30	Undyed	36		CM-831	
		1	4	75	30	Violet	36		CM-832	
V-30 1/2 Circle 30.0 mm		3-0	2	75	30	Violet	36		GM-222	
		2-0	3	75	30	Violet	36		GM-223	
		2-0	3	90	36	Violet	36		GM-326	
		0	3.5	90	36	Violet	36		GM-327	

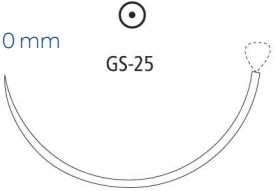




TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
V-26 1/2 Circle 37.0 mm 		3-0	2	75	30	Undyed	36		GM-226
		2-0	3	75	30	Undyed	36		GM-227
GS-21 1/2 Circle 37.0 mm 		3-0	2	5 × 45	18	Violet	12	D-Tach™	CM-738-M
		3-0	2	75	30	Undyed	36		CM-842
		3-0	2	75	30	Violet	36		CM-810
		3-0	2	90	36	Violet	36		CM-922
		2-0	3	5 × 45	18	Violet	12	D-Tach™	CM-9M
		2-0	3	75	30	Undyed	36		CM-843
		2-0	3	75	30	Violet	36		CM-811
		2-0	3	90	36	Undyed	36		CM-953
		2-0	3	90	36	Violet	36		CM-923
		0	3.5	5 × 45	18	Undyed	12		CM-14-M
		0	3.5	5 × 45	18	Violet	12	D-Tach™	CM-10-M
		0	3.5	75	30	Undyed	36		CM-844
		0	3.5	75	30	Violet	36		CM-812
		0	3.5	90	36	Violet	36		CM-924
		0	3.5	90	36	Undyed	36		CM-954
		1	4	5 × 45	18	Violet	12	D-Tach™	CM-11-M
		1	4	75	30	Undyed	36		CM-845
		1	4	75	30	Violet	36		CM-813
		1	4	90	36	Violet	36		CM-925

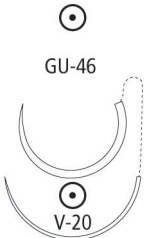
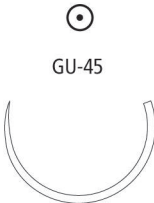
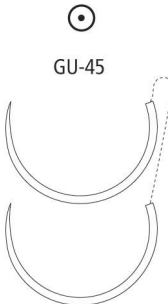
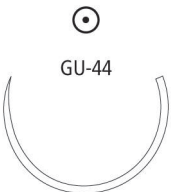




TAPER POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
GS-24 1/2 Circle 40.0 mm 	3-0	2	90	36	Undyed	36		CM-962	
	2-0	3	75	30	Violet	36		CM-801	
	0	3.5	90	36	Violet	36		CM-914	
	0	3.5	90	36	Undyed	36		CM-964	
	1	4	90	36	Violet	36		CM-966	
GS-24 LOOP 1/2 Circle 40.0 mm 	0	3.5	150	60	Violet	12	Loop	CM-765-L	
	1	4	150	60	Violet	12	Loop	CM-767-L	
GS-25 1/2 Circle 48.0 mm 	2-0	3	90	36	Violet	36		CM-903	
	0	3.5	90	36	Undyed	36		CM-974	
	0	3.5	90	36	Violet	36		CM-904	
	1	4	5 × 45	18	Violet	12	D-Tach™	CM-31-M	
	1	4	90	36	Undyed	36		CM-975	
	1	4	90	36	Violet	36		CM-905	
GS-25 LOOP 1/2 Circle 48.0 mm 	0	3.5	150	60	Violet	12	Loop	CM-790L	
	1	4	150	60	Violet	12	Loop	CM-776L	
GS-26 LOOP 1/2 Circle 65.0 mm 	0	3.5	150	60	Violet	12	Loop	CM-779L	
	1	4	240	96	Violet	12	Loop	CM-780L	





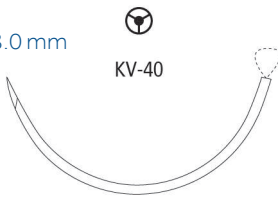
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
GU-46 5/8 Circle 27.0 mm		GU-46	3-0	2	75	30	Violet	36		UM-879
			2-0	3	75	30	Undyed	36		UM-978
			2-0	3	75	30	Violet	36		UM-878
			0	3.5	75	30	Violet	36		UM-877
			0	3.5	75	30	Undyed	36		UM-977
GU-46 - V - 20 5/8 Circle 27.0 mm		GU-46 V-20	2-0	3	75	30	Violet	36	Loop	CM-558
GU-45 5/8 Circle 37.0 mm		GU-45	2-0	3	75	30	Undyed	36		UM-345
			2-0	3	75	30	Violet	36		UM-245
GU-45 - GU-45 5/8 Circle 37.0 mm Double-arm (Not to scale)		GU-45	3-0	2	75	30	Violet	36		UM-243
GU-44 5/8 Circle 40.0 mm		GU-44	0	3.5	75	30	Violet	36		UM-383



HEAVY TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
HGS-20 1/2 Circle 34.0 mm		HGS-20	0	3.5	5 × 45	18	Violet	12	D-Tach™	CM-90-M
HGS-21 1/2 Circle 37.0 mm		HGS-21	0	3.5	75	30	Violet	36		CM-436





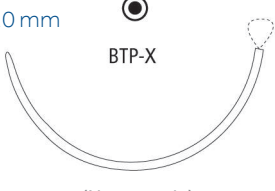
TAPERCUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
KV-34 1/2 Circle 37.0 mm  KV-34			2-0	3	75	30	Undyed	36		CM-827
KV-40 LOOP 1/2 Circle 48.0 mm  KV-40			1	4	150	60	Violet	12	Loop	CM-740L



BLUNT POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
BTV-20 1/2 Circle 26.0 mm		3-0	2	75	30	Undyed	36		GMT-226	
BTP-1 1/2 Circle 37.0 mm		3-0	2	90	36	Undyed	36		CMT-952	
		2-0	3	75	30	Violet	36	ProtectPoint™	CMT-811	
		0	3.5	5 × 45	18	Violet	12	D-Tach™, ProtectPoint™	CMT-740-M	
		0	3.5	75	30	Violet	36		CMT-812	
		0	3.5	90	36	Undyed	36	ProtectPoint™	CMT-967	
		1	4	5 × 45	18	Violet	12	D-Tach™, ProtectPoint™	CMT-741-M	
BGS-24 1/2 Circle 40.0 mm		1	4	90	36	Violet	36	ProtectPoint™	CM-951	
BGS-25 1/2 Circle 48.0 mm		1	4	5 × 45	18	Violet	12	D-Tach™, ProtectPoint™	CM-949-M	





BLUNT POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
BTP-X 1/2 Circle 48.0 mm  (Not to scale)	 BTP-X	0	3.5	5 × 45	18	Violet	12	D-Tach™, ProtectPoint™	CMT-950-M
		0	3.5	90	36	Undyed	36	ProtectPoint™	CMT-974
		1	4	5 × 45	18	Violet	12	D-Tach™, ProtectPoint™	CMT-949-M
BTP-X LOOP 1/2 Circle 48.0 mm  (Not to scale)	 BTP-X	0	3.5	150	60	Violet	12	LOOP, ProtectPoint™	CMT-789-L

MAXON™

Monofilament Absorbable Suture

Highest knot holding capacity versus competition.



- Long-term monofilament absorbable suture
- Unequalled strength during critical stages of healing*
- Six weeks of wound support
- Monofilament construction provides smooth passage through tissue, minimizing tissue drag and trauma
- Maxon™ looped sutures provide double strength of a single strand and can reduce closure time by 50%

Absorption

By Hydrolysis. Essentially complete within 6 months.

Tensile Strength

Approximately 80% of the original suture strength 1 week post implantation. Approximately 75% @ 2 weeks, 65% @ 3 weeks, 50% @ 4 weeks and 25% @ 6 weeks post-implant.

Packaging

Available in USP and E.P sizes 1 (4 Metric) through 7-0 (0.5 Metric).

Maxon™ sutures are dyed with D&C Green No. 6.

Maxon™ sutures are also available in clear (Undyed).

The sutures are supplied sterile, affixed to various needle types, using permanent needle attachment techniques.

Indications

Indicated for use as absorbable sutures in general soft tissue approximation and/or ligation, including use in pediatric cardiovascular tissue, where growth is expected to occur, and in peripheral vascular tissue. Maxon™ sutures are not indicated for use in adult cardiovascular tissue, ophthalmic surgery, microsurgery, and neural tissue.

Description

Maxon™ monofilament polyglyconate synthetic absorbable sutures are prepared from a copolymer of glycolic acid and trimethylene carbonate.

Indications

Maxon™ sutures are indicated for use as absorbable sutures in general soft tissue approximation and/or ligation, including use in pediatric cardiovascular tissue, where growth is expected to occur, and in peripheral vascular tissue. Maxon™ sutures are not indicated for use in adult cardiovascular tissue, ophthalmic surgery, microsurgery, and neural tissue.

Actions

Maxon™ synthetic absorbable sutures elicit a minimal acute inflammatory reaction in tissues, which is followed by gradual encapsulation of the suture by fibrous connective tissue. Progressive loss of tensile strength and eventual absorption of Maxon™ synthetic absorbable sutures occurs by means of hydrolysis where the suture is broken down and subsequently absorbed and metabolized by the body.

Tensile Strength

Studies indicate that tensile strength for Maxon™ sutures is approximately 80% of the original suture strength at one week post-implant. Approximately 75% of the original suture strength remains at two weeks, 65% at three weeks, 50% at four weeks and 25% at six weeks post-implant.

Sterilization

Ethylene oxide.

Absorbtion

Absorption of Maxon™ synthetic absorbable sutures is minimal until about the 60th day after implantation and is essentially complete within six months.

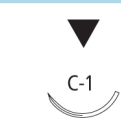
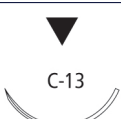
Packaging

Maxon™ sutures are available in USP and E.P sizes 1 (4 Metric) through 7–0 (0.5 Metric). Maxon™ sutures are dyed with D&C Green No. 6. Maxon™ sutures are also available in clear (Undyed). The sutures are supplied sterile, affixed to various needle types, using permanent needle attachment techniques. Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

Maxon™ suture is a brand you have trusted for over 25 years with a history of improvements and performance

PRE-CUT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	3-0	2	3 × 45	18	Green	36	Pre-cut	8886600741
	2-0	3	3 × 45	18	Green	36	Pre-cut	8886600751
	0	3.5	5 × 45	18	Green	12	Pre-cut	8886601563

REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-1 3/8 Circle 12.0 mm 	5-0	1	45	18	Green	36		8886660521
	4-0	1.5	45	18	Green	36		8886660531
C-12 3/8 Circle 16.0 mm 	4-0	1.5	75	30	Clear	36		8886611831
C-13 3/8 Circle 19.0 mm 	5-0	1	45	18	Clear	36		8886660821
	4-0	1.5	45	18	Clear	36		8886660831
	4-0	1.5	75	30	Green	36		8886663931
	4-0	1.5	75	30	Clear	36		8886661231
	3-0	2	45	18	Clear	36		8886660841
	3-0	2	75	30	Green	36		8886663941
	3-0	2	75	30	Clear	36		8886661241



REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-14 3/8 Circle 24.0 mm 	4-0	1.5	75	30	Clear	36		8886661831
	3-0	2	75	30	Clear	36		8886661841
	3-0	2	75	30	Green	36		8886664141
	2-0	3	75	30	Green	36		8886664151
	2-0	3	75	30	Clear	36		8886661851
C-16 3/8 Circle 30.0 mm 	2-0	3	75	30	Clear	36		8886662651
C-27 1/2 Circle 20.0 mm 	3-0	2	45	18	Green	36		8886605941
GS-10 1/2 Circle 26.0 mm 	3-0	2	75	30	Clear	36		8886674441
	2-0	3	5 × 45	18	Green	12	D-Tach™	CMM-435-MG
	2-0	3	75	30	Green	36		8886674551
	2-0	3	75	30	Clear	36		8886674451
HOS-10 1/2 Circle 26.0 mm 	1	4	75	30	Green	36		88866751-71





REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-11 1/2 Circle 37.0 mm 	2-0	3	75	30	Green	36		8886675551
	0	3.5	75	30	Green	36		8886675561
	1	4	75	30	Green	36		8886675571
HOS-11 1/2 Circle 37.0 mm 	1	4	75	30	Green	36		88866757-71
HOS-12 1/2 Circle 40.0 mm 	1	4	75	30	Green	36		8886678771
GS-13 1/2 Circle 48.0 mm 	1	4	90	36	Green	36		8886676971



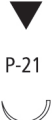


PREMIUM REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
P-10 3/8 Circle 11.0 mm		6-0	0.7	45	18	Green	36	Surgalloy™	8886653311	
		6-0	0.7	45	18	Clear	36	Surgalloy™	8886653211	
		5-0	1	45	18	Clear	36	Surgalloy™	8886653221	
P-13 3/8 Circle 13.0 mm		6-0	0.7	45	18	Clear	36	Surgalloy™	SMM-5516	
		5-0	1	45	18	Clear	36	Surgalloy™	SMM-5526	
		4-0	1.5	45	18	Clear	36	Surgalloy™	SMM-5536	
P-11 3/8 Circle 16.0 mm		5-0	1	45	18	Clear	36	Surgalloy™	SMM-5221	
		4-0	1.5	45	18	Clear	36	Surgalloy™	SMM-5431	
P-12 3/8 Circle 19.0 mm		5-0	1	45	18	Clear	36	Surgalloy™	SMM-5042	
		4-0	1.5	45	18	Clear	36	Surgalloy™	SMM-5043	
		4-0	1.5	45	18	Green	36	Surgalloy™	SMM-5033	
		4-0	1.5	75	30	Clear	36	Surgalloy™	SMM-5323	
		3-0	2	45	18	Clear	36	Surgalloy™	SMM-5044	
		3-0	2	75	30	Clear	36	Surgalloy™	8886663241	
P-14 3/8 Circle 24.0 mm		3-0	2	45	18	Clear	36	Surgalloy™	SMM-5241	
		2-0	3	45	18	Clear	36		8886662451	

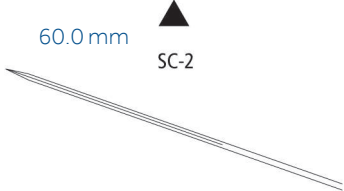
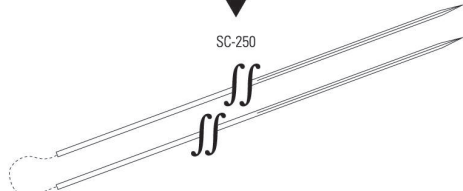




PREMIUM REVERSE CUTTING

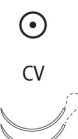
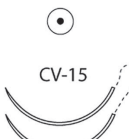
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-21 1/2 Circle 9.0 mm 	5-0	1	45	18	Clear	12		88866704-23
P-24 1/2 Circle 16.0 mm 	4-0	1.5	45	18	Clear	36	Surgalloy™	SMM-5831

CONVENTIONAL CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
SC-2 Straight 60.0 mm 	4-0	1.5	75	30	Clear	36		8886690831
	3-0	2	75	30	Clear	36		8886690841
SC-250 Straight 254.0 mm Double-arm (Not to scale) 	2-0	3	75	30	Green	12		8886639053

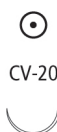
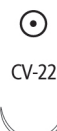




TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
CV-1 3/8 Circle 9.0 mm Double-arm	 CV-1	7-0	0.5	45	18	Green	36	Surgalloy™	8886614501
		7-0	0.5	60	24	Green	36	Surgalloy™	8886613901
		7-0	0.5	75	30	Green	36	Surgalloy™	8886612701
		6-0	0.7	60	24	Green	36	Surgalloy™	8886613911
		6-0	0.7	75	30	Green	36	Surgalloy™	8886612711
CV 3/8 Circle 11.0 mm Double-arm	 CV	6-0	0.7	45	18	Green	36	Surgalloy™	8886611511
CV-11 3/8 Circle 13.0 mm	 CV-11	6-0	0.7	75	30	Green	36	Surgalloy™	8886614811
		5-0	1	75	30	Green	36	Surgalloy™	8886614821
CV-11 3/8 Circle 13.0 mm Double-arm	 CV-11	6-0	0.7	45	18	Green	36	Surgalloy™	8886612111
		6-0	0.7	60	24	Green	36	Surgalloy™	8886614711
		6-0	0.7	75	30	Green	36	Surgalloy™	8886612411
		5-0	1	4×60	24	Green	12	Surgalloy™	8886616523
		5-0	1	60	24	Green	36	Surgalloy™	8886614721
		5-0	1	75	30	Green	36	Surgalloy™	8886612421
		5-0	1	90	36	Green	36	Surgalloy™	8886612821
CV-15 3/8 Circle 17.0 mm	 CV-15	4-0	1.5	75	30	Green	36		8886605731
CV-15 3/8 Circle 17.0 mm Double-arm	 CV-15	5-0	1	75	30	Green	36	Surgalloy™	8886646221
		4-0	1.5	75	30	Green	36	Surgalloy™	8886646231

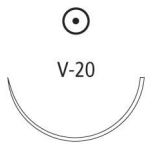
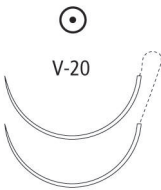
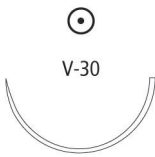




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-20 1/2 Circle 10.0 mm		6-0	0.7	75	30	Green	36	Surgalloy™	8886600111	
CV-22 1/2 Circle 13.0 mm		6-0	0.7	75	30	Green	36	Surgalloy™	8886621311	
		5-0	1	75	0	Green	36		8886621321	
		4-0	1.5	5×45	18	Green	12	D-Tach™	8886620133	
		4-0	1.5	75	30	Green	36	Surgalloy™	8886621331	
CV-22 1/2 Circle 13.0 mm Double-arm		6-0	0.7	75	30	Green	36	Surgalloy™	8886613211	
		5-0	1	75	30	Green	36	Surgalloy™	8886612221	
CV-23 1/2 Circle 17.0 mm		5-0	1	75	30	Green	36	Surgalloy™	8886620721	
		4-0	1.5	75	30	Green	36	Surgalloy™	8886620731	
		3-0	2	75	30	Green	36	Surgalloy™	8886620741	
CV-23 1/2 Circle 17.0 mm Double-arm		5-0	1	75	30	Green	36	Surgalloy™	8886614921	
		4-0	1.5	90	36	Green	36	Surgalloy™	8886613431	
CV-24 1/2 Circle 20.0 mm		5-0	1	75	30	Green	36		8886621721	
		4-0	1.5	5×45	18	Green	12	D-Tach™	8886621933	
		4-0	1.5	75	30	Green	36		8886621731	
		3-0	2	5×45	18	Green	12	D-Tach™	8886621943	
		3-0	2	75	30	Green	36		8886621741	
CV-24 1/2 Circle 20.0 mm Double-arm		4-0	1.5	90	36	Green	36		8886622131	
		3-0	2	90	36	Green	36		8886603641	

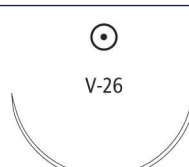




TAPER POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
V-20 1/2 Circle 26.0 mm 	4-0	1.5	45	18	Green	12	D-Tach™	8886622933	
	4-0	1.5	5 × 75	30	Green	12	D-Tach™	8886603433	
	4-0	1.5	105	42	Green	36		8886614331	
	3-0	2	5 × 45	18	Green	12	D-Tach™	8886622943	
	3-0	2	75	30	Green	36	Surgalloy™	8886623341	
	3-0	2	75	30	Green	36		8886623341	
	3-0	2	75	30	Clear	36	Surgalloy™	8886623241	
	3-0	2	5 × 75	30	Green	12	D-Tach™	8886603443	
	2-0	3	5 × 45	18	Green	12	D-Tach™	8886622953	
	2-0	3	75	30	Green	36		8886623351	
	4-0	1.5	75	30	Green	36	Surgalloy™	8886623331	
V-20 1/2 Circle Double-arm 26.0 mm 	4-0	1.5	75	30	Green	36	Surgalloy™	8886623131	
	4-0	1.5	90	36	Green	36		8886623531	
	3-0	2	90	36	Green	36		8886623541	
GS-22 1/2 Circle 27.0 mm 	3-0	2	75	30	Green	36		8886624541	
	2-0	3	5 × 45	18	Green	12	D-Tach™	8886624753	
	2-0	3	75	30	Green	36		8886624551	
	0	3.5	75	30	Green	36		8886624561	
	1	4	75	30	Green	36		8886624571	
V-30 1/2 Circle 30.0 mm 	4-0	1.5	75	30	Green	36		8886626131	
	3-0	2	75	30	Green	36		8886626141	
	2-0	3	75	30	Green	36		8886626151	
	0	3.5	75	30	Green	36		8886626161	

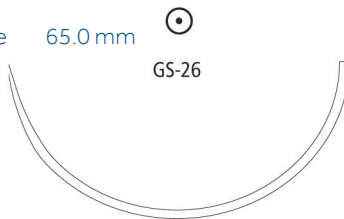




TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-21 1/2 Circle 37.0 mm 	3-0	2	75	30	Green	36		8886626741
	2-0	3	5 × 45	18	Green	12	D-Tach™	8886627553
	2-0	3	75	30	Green	36		8886626751
	2-0	3	90	36	Green	36		8886626951
	2-0	3	150	60	Green	12		GMM-951
	0	3.5	5 × 45	18	Green	12	D-Tach™	8886627563
	0	3.5	75	30	Green	36		8886626761
	0	3.5	90	36	Green	36		8886626961
	1	4	5 × 45	18	Green	12	D-Tach™	8886627573
	1	4	75	30	Green	36		8886626771
	1	4	90	36	Green	36		8886626971
V-26 1/2 Circle 37.0 mm 	3-0	2	75	30	Green	36		8886625741
	2-0	3	75	30	Green	36		8886625751
	0	3.5	75	30	Green	36		8886625761
GS-24 1/2 Circle 40.0 mm 	2-0	3	90	36	Green	36		8886628751
	0	3.5	75	30	Green	36		8886628561
	0	3.5	90	36	Green	36		8886628761
	1	4	75	30	Green	36		8886628571
	1	4	90	36	Green	36		8886628771
GS-24 LOOP 1/2 Circle 40.0 mm 	0	3.5	150	60	Green	12	Loop	GMM-563L
	1	4	150	60	Green	12	Loop	GMM573L

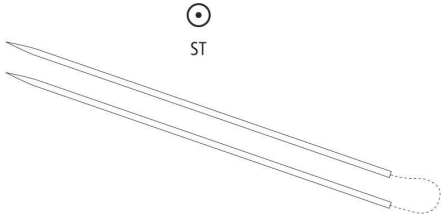




TAPER POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
GS-25 1/2 Circle 48.0 mm 	0	3.5	5 × 45	18	Green	12	D-Tach™	8886631163	
	0	3.5	90	36	Green	36		8886630761	
	1	4	5 × 45	18	Green	12	D-Tach™	8886631173	
	1	4	90	36	Green	36		8886630771	
	1	4	150	60	Green	24		8886630972	
GS-25 LOOP 1/2 Circle 48.0 mm 	0	3.5	150	60	Green	12	Loop	GMM-634L	
	1	4	150	60	Green	12	Loop	GMM-632L	
GS-26 1/2 Circle 65.0 mm 	0	3.5	150	60	Green	24		8886631962	
	1	4	100	40	Green	36		8886632271	
	1	4	150	60	Green	24		8886631972	
GS-26 LOOP 1/2 Circle 65.0 mm 	0	3.5	150	60	Green	12	Loop	GMM-341L	
	0	3.5	240	96	Green	12	Loop	GMM-343L	
	1	4	240	96	Green	12	Loop	GMM-344L	
GU-46 5/8 Circle 27.0 mm 	2-0	3	75	30	Green	36		8886640351	
GU-46 5/8 Circle 27.0 mm Double-arm 	2-0	3	75	30	Green	36		8886640451	





TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
ST Straight 60.0 mm Double-arm (Not to scale) 	3-0	2	75	30	Green	36		8886623741
	0	3.5	75	30	Green	36		8886623761

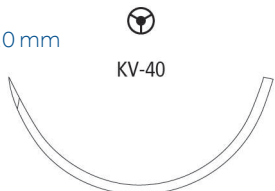
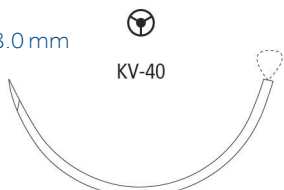
HEAVY TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
HGS-22 1/2 Circle 27.0 mm 	0	3.5	75	30	Green	36		8886624961
HGS-21 1/2 Circle 37.0 mm 	0	3.5	90	36	Green	36		8886633961
	1	4	90	36	Green	36		88866339-71
HGU-46 5/8 Circle 27.0 mm 	0	3.5	45	18	Green	36		8886645561
	0	3.5	75	30	Green	36		8886645661
	1	4	75	30	Green	36		8886641971





TAPERCUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
KV-1 3/8 Circle 9.0 mm	 KV-1 	6-0	0.7	75	30	Green	36	Surgalloy™	88866768-11	
KV-11 3/8 Circle 13.0 mm	 KV-11 	6-0	0.7	75	30	Green	36	Surgalloy™	88866297-11	
		5-0	1	75	30	Green	36	Surgalloy™	88866297-21	
KV-11 3/8 Circle 13.0 mm Double-arm	 KV-11 	6-0	0.7	75	30	Green	36	Surgalloy™	88866288-11	
		5-0	1	75	30	Green	36	Surgalloy™	88866288-21	
KV-5 1/2 Circle 17.0 mm Double-arm	 KV-5 	4-0	1.5	90	36	Green	36	Surgalloy™	VMM-137	
KV-7 1/2 Circle 26.0 mm	 KV-7 	2-0	3	75	30	Green	36		88866292-51	
KV-34 1/2 Circle 37.0 mm	 KV-34 	0	3.5	90	36	Green	36		8886627761	



TAPERCUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
KV-37 LOOP 1/2 Circle 40.0 mm  KV-37	1	4	150	60	Green	12	Loop	GMM-873L	
KV-40 1/2 Circle 48.0 mm  KV-40	1	4	90	36	Green	36		8886629571	
KV-40 LOOP 1/2 Circle 48.0 mm  KV-40	0	3.5	150	60	Green	12	Loop	GMM-806L	
	1	4	150	60	Green	12	Loop	GMM-807L	

BLUNT POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
BTP-1 1/2 Circle 37.0 mm  BTP-1	2-0	3	90	36	Green	36	ProtectPoint™	GMMT-951	
	0	3.5	5 × 45	18	Green	12	D-Tach™, ProtectPoint™	GMMT-563-MG	
	0	3.5	90	36	Green	36	ProtectPoint™	GMMT-961	



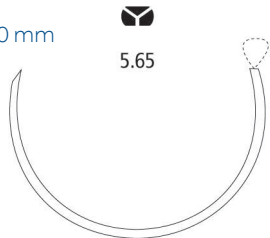


BLUNT POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
BTP-X 1/2 Circle 48.0 mm 		0	3.5	5 × 45	18	Green	12	D-Tach™, ProtectPoint™	GMMT-541-MG
		1	4	5 × 45	18	Green	12	D-Tach™, ProtectPoint™	GMMT-540-MG
BTP-X LOOP 1/2 Circle 48.0 mm 		0	3.5	150	60	Green	12	Loop, ProtectPoint™	GMMT-89L
		1	4	150	60	Green	12	Loop, ProtectPoint™	GMMT-90L
BGS-25 1/2 Circle 48.0 mm 		0	3.5	90	36	Green	12	ProtectPoint™	8886606163
		1	4	90	36	Green	12	ProtectPoint™	8886606173
BGS-29 1/2 Circle 63.0 mm 		1	4	150	60	Green	12	ProtectPoint™	8886606773





MULTIPURPOSE

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
5.65 LOOP 5/8 Circle 65.0 mm  5.65	0	3.5	150	60	Green	12	Loop	GMM-496L
	1	4	180	72	Green	12	Loop	GMM-497L

SPATULA

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
DGE-6 3/8 Circle 8.0 mm  DGE-6	7-0	0.5	45	18	Green	36		8886662801



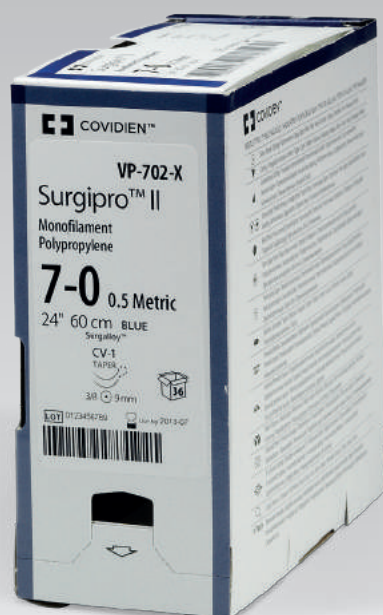
Maxon™ and Maxon™ CV



SURGIPRO™ II

Monofilament Polypropylene

Meeting the demands in cardiovascular surgery.



Used for cardiovascular and peripheral vascular procedures

Surgipro™ II suture is a brand you have trusted for many years with several product innovations. Our history of innovation and experience provides you with consistent and reliable outcomes. With us, your patient's life can be safe and secure.

Suture Performance

The continuous improvement in handling characteristics ensures ease of use.

Tensile Strength

Surgipro™ and Surgipro™ II polypropylene sutures are not absorbed, nor is any significant change in strength retention known to occur in vivo.

Packaging

Available in sizes 1 (4 Metric), through 6–0 (0.7 Metric).

Surgipro™ II sutures are available in sizes 3–0 (2 Metric) through 8–0 (0.4 Metric). The sutures are supplied sterile; affixed to various types of needles, using both permanent needle attachment techniques.

Surgipro™ and Surgipro™ II polypropylene sutures are also available with PTFE (polytetrafluorethylene) Pledgets for use as a pad between the suture area and the tissue surface to increase the load bearing area.

Surgipro™ polypropylene sutures are available in presentations containing Bead and Collar components to anchor the ends of the suture for subcuticular closure or for use as tendon sutures.

Indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic, and neural tissue.

Indicated for use in soft tissue approximation of the skin, mucosa and conjunctiva, where only 7–10 days of wound support is required, but not for use in ligation, cardiovascular or neurological tissue.

Indications

Surgipro™ and Surgipro™ II polypropylene sutures are indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic, and neural tissue.

Description

Surgipro™ and Surgipro™ II monofilament sutures (pigmented) are inert, nonabsorbable, sterile sutures composed of an isotactic crystalline stereoisomer of polypropylene (a synthetic linear polyolefin) and polyethylene.

Indications

Surgipro™ and Surgipro™ II polypropylene sutures are indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic, and neural tissue.

Actions

Surgipro™ and Surgipro™ II polypropylene sutures elicit a minimal acute inflammatory reaction in tissues, which is followed by gradual encapsulation of the suture by fibrous connective tissue.

Tensile Strength

Surgipro™ and Surgipro™ II polypropylene sutures are not absorbed, nor is any significant change in strength retention known to occur in vivo.

Sterilization

Ethylene oxide.

Packaging

Surgipro™ II polypropylene sutures are available either undyed (clear) or dyed with Copper Phthalocyanine Blue. Surgipro™ sutures are available in sizes 1 (4 Metric), through 6-0 (0.7 Metric). Surgipro™ II sutures are available in sizes 3-0 (2 Metric) through 8-0 (0.4 Metric). The sutures are supplied sterile; affixed to various types of needles, using both permanent needle attachment techniques. Surgipro™ and Surgipro™ II polypropylene sutures are also available with PTFE (polytetrafluorethylene) Pledgets for use as a pad between the suture area and the tissue surface to increase the load bearing area. Surgipro™ polypropylene sutures are available in presentations containing Bead and Collar components to anchor the ends of the suture for subcuticular closure or for use as tendon sutures.

Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

Surgipro™ / Surgipro™ II

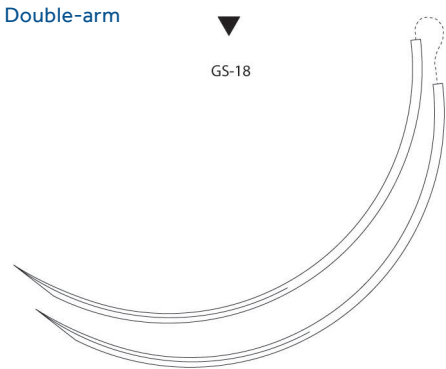
Surgipro™ / Surgipro™ II suture is a brand you have trusted for many years with several product innovations.

REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches		Per box		
C-12 3/8 Circle 16.0 mm		6-0	0.7	45	18	Blue	12		SP-660G	
		6-0	0.7	45	18	Blue	36		SP-660	
		5-0	1	45	18	Blue	12		SP-559G	
		4-0	1.5	75	30	Blue	36		SP-631	
C-13 3/8 Circle 19.0 mm		5-0	1	45	18	Blue	36		SP-661	
		5-0	1	45	18	Blue	12		SP-661G	
		4-0	1.5	45	18	Blue	36		SP-683	
		4-0	1.5	45	18	Blue	12		SP-683G	
		3-0	2	45	18	Blue	12		SP-665G	
		3-0	2	45	18	Blue	36		SP-665	
		3-0	2	75	30	Blue	36		SP-655	
C-14 3/8 Circle 24.0 mm		4-0	1.5	45	18	Blue	36		SP-629	
		3-0	2	45	18	Blue	36		SP-684	
		3-0	2	45	18	Blue	12		SP-684G	



REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
C-15 3/8 Circle 26.0 mm 	2-0	3	45	18	Blue	12		SP-868G	
	2-0	3	45	18	Blue	36		SP-868	
	2-0	3	75	30	Blue	36		SP-685	
C-16 3/8 Circle 30.0 mm 	4-0	1.5	75	30	Blue	36	Nupack	SP-670	
	3-0	2	75	30	Blue	36		SP-675	
C-18 3/8 Circle 35.0 mm 	3-0	2	75	30	Blue	12	2 beads & 2 collars	SP-624-BC	
C-17 3/8 Circle 39.0 mm 	3-0	2	75	30	Blue	36		SP-649	
	2-0	3	75	30	Blue	36		SP-689	
	0	3.5	75	30	Blue	36		SP-690	



REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
GS-18 3/8 Circle 77.0 mm 	2	5	75	30	Blue	24		CP-460	
GS-18 3/8 Circle 77.0 mm Double-arm 	2	5	3 × 60	24	Blue	12	Long pack	3-CP-360	
GS-10 1/2 Circle 26.0 mm 	2-0	3	75	30	Blue	36		CP-443	
GS-11 1/2 Circle 37.0 mm 	2-0	3	75	30	Blue	36		CP-453	





PREMIUM REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
P-10 3/8 Circle 11.0 mm		7-0	0.5	45	18	Blue	12	Surgalloy™	SP-1696G	
		7-0	0.5	45	18	Blue	36	Surgalloy™	SP-1696	
		6-0	0.7	45	18	Blue	36	Surgalloy™	SP-1697	
		6-0	0.7	45	18	Clear	36	Surgalloy™	SP-1606	
		6-0	0.7	45	18	Blue	12	Surgalloy™	SP-5697G	
		5-0	1	45	18	Blue	12	Surgalloy™	SP-2698G	
P-13 3/8 Circle 13.0 mm		6-0	0.7	45	18	Blue	12	Surgalloy™	SP-5695-G	
		6-0	0.7	45	18	Blue	36	Surgalloy™	SP-5695	
		5-0	1	45	18	Blue	12	Surgalloy™	SP-5698-G	
		5-0	1	45	18	Blue	36	Surgalloy™	SP-5698	
		4-0	1.5	45	18	Blue	12	Surgalloy™	SP-5699G	
		4-0	1.5	45	18	Blue	36	Surgalloy™	SP-5699	
P-11 3/8 Circle 16.0 mm		6-0	0.7	45	18	Blue	12	Surgalloy™	SP-5680G	
		5-0	1	45	18	Blue	12	Surgalloy™	SP-5681G	
		5-0	1	45	18	Blue	36	Surgalloy™	SP-5681	
		4-0	1.5	45	18	Blue	12	Surgalloy™	SP-5692G	
		3-0	2	45	18	Blue	12	Surgalloy™	SP-1693G	
P-12 3/8 Circle 19.0 mm		5-0	1	45	18	Blue	12	Surgalloy™	SP-5686G	
		5-0	1	45	18	Blue	36	Surgalloy™	SP-5686	
		4-0	1.5	45	18	Blue	12	Surgalloy™	SP-5682G	
		4-0	1.5	45	18	Blue	36	Surgalloy™	SP-5682	
		3-0	2	45	18	Blue	36	Surgalloy™	SP-5687	
		3-0	2	45	18	Blue	12	Surgalloy™	SP-5687G	
		3-0	2	75	30	Blue	36		SP-5587	

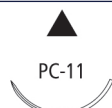
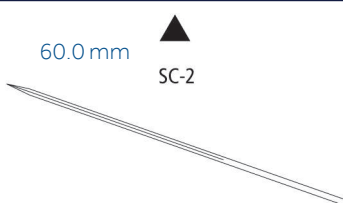




PREMIUM REVERSE CUTTING											
Needles Specifications				Size		Length		Color	Units Per box	Comments	Reorder code
				USP	EP	cm	Inches				
P-14 3/8 Circle 24.0 mm			3-0	2	45	18	Blue	12	Surgalloy™	SP-5663G	
			3-0	2	75	30	Blue	36		SP-5563	
P-22 1/2 Circle 13.0 mm			4-0	1.5	45	18	Blue	12	Surgalloy™	SP-8656G	

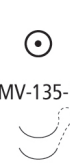




CONVENTIONAL CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
PC-13 3/8 Circle 11.0 mm 	6-0	0.7	45	18	Blue	36		SP-1617		
	5-0	1	45	18	Blue	36		SP-1618		
PC-11 3/8 Circle 16.0 mm 	6-0	0.7	45	18	Blue	36		SP-1636		
	5-0	1	45	18	Blue	36	Surgalloy™	SP-1635		
	4-0	1.5	45	18	Blue	36		SP-1634		
PC-12 3/8 Circle 19.0 mm 	4-0	1.5	45	18	Blue	36		SP-1644		
	3-0	2	45	18	Blue	36		SP-1643		
SC-2 Straight 60.0 mm 	4-0	1.5	75	30	Blue	36		SP-621		
	3-0	2	75	30	Blue	36		SP-622		
	3-0	2	75	30	Blue	24	2 beads and 2 collars	SP-622-BC		
	2-0	3	75	30	Blue	24	2 beads and 2 collars	SP-623-BC		
	2-0	3	75	30	Blue	36		SP-623		

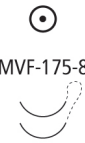




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
MV-70-3 3/8 Circle 4.0 mm 	10-0	0.2	13	5	Blue	12	Surgalloy™	P-2790G		
MV-100-4 3/8 Circle 5.0 mm 	10-0	0.2	13	5	Blue	12	Surgalloy™	P-2794G		
MV-100-4 3/8 Circle 5.0 mm Double-arm 	10-0	0.2	5	30	Blue	12	Surgalloy™	P-2795G		
MV-135-5 3/8 Circle 6.0 mm Double-arm 	8-0	0.4	45	18	Blue	36	Surgalloy™	VP-900-X		
	8-0	0.4	5 × 45	18	Blue	12	Surgalloy™, LONG PACK	VP-901-MX		
	8-0	0.4	2 × 45	18	Blue	12	Surgalloy™, LONG PACK	VP-900-MX		
	8-0	0.4	60	24	Blue	36	Surgalloy™	VP-902-X		
	8-0	0.4	5 × 60	24	Blue	12	Surgalloy™, LONG PACK	VP-903-MX		
	8-0	0.4	2 × 60	24	Blue	12	Surgalloy™, LONG PACK	VP-902-MX		
	8-0	0.4	75	30	Blue	12	Surgalloy™, LONG PACK	VP-973-X		
	7-0	0.5	60	24	Blue	36	Surgalloy™	VP-904-X		
	7-0	0.5	2 × 60	24	Blue	12	Surgalloy™, LONG PACK	VP-904-MX		

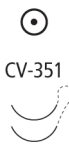




TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
MVF-135-5 3/8 Circle 6.0 mm Double-arm		8-0	0.4	2 × 60	24	Blue	12	Surgalloy™, LONG PACK	VP-209MX
MV-175-8 3/8 Circle 8.0 mm Double-arm		8-0	0.4	45	18	Blue	36	Surgalloy™	VP-744-X
		8-0	0.4	2 × 45	18	Blue	12	Surgalloy™, LONG PACK	VP-744-MX
		8-0	0.4	60	24	Blue	36	Surgalloy™	VP-745-X
		8-0	0.4	2 × 60	24	Blue	12	Surgalloy™, LONG PACK	VP-743-MX
		8-0	0.4	2 × 75	30	Blue	12	Surgalloy™, LONG PACK	VP-753-MX
		7-0	0.5	2 × 45	18	Blue	12	LONG PACK	VP-736-M
		7-0	0.5	45	18	Blue	36	Surgalloy™	VP-628
		7-0	0.5	5 × 45	18	Blue	12	Surgalloy™, LONG PACK	VP-734-MX
		7-0	0.5	60	24	Blue	36	Surgalloy™	VP-735-X
		7-0	0.5	2 × 60	24	Blue	12	Surgalloy™, LONG PACK	VP-737-MX
		7-0	0.5	5 × 60	24	Blue	12	Surgalloy™, LONG PACK	VP-735-MX
		7-0	0.5	75	30	Blue	36	Surgalloy™	VP-747-X
		7-0	0.5	2 × 75	30	Blue	12	Surgalloy™, LONG PACK	VP-747-MX
MVF-175-8 3/8 Circle 8.0 mm Double-arm		8-0	0.4	60	24	Blue	12		VPF-738-MX
		7-0	0.5	60	24	Blue	36	Surgalloy™	VPF-735-X

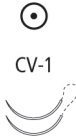




TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
CV-351 3/8 Circle 8.0 mm Double-arm	 CV-351	8-0	0.4	60	24	Blue	36	Cardiopoint™	VP-738-X
		8-0	0.4	2 × 60	24	Blue	12	Cardiopoint™, LONG PACK	VP-738-MX
		7-0	0.5	60	24	Blue	36	Cardiopoint™	VP-630-X
		6-0	0.7	60	24	Blue	36	Cardiopoint™	VP-631-X
CVF-1 3/8 Circle 9.0 mm Double-arm	 CVF-1	7-0	0.5	60	24	Blue	12	Surgalloy™, LONG PACK	VP-102-MX
		7-0	0.5	60	24	Blue	36	Surgalloy™, NUPACK™	VPF-702-X
		7-0	0.5	75	30	Blue	36	Surgalloy™, NUPACK™	VPF-713-X
		6-0	0.7	60	24	Blue	36	Surgalloy™, NUPACK™	VPF-703-X
		6-0	0.7	75	30	Blue	36	Surgalloy™, NUPACK™	VPF-709-X

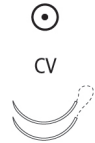




TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
CV-1 3/8 Circle 9.0 mm 	7-0	0.5	5 × 45	18	Blue	36	Surgalloy™, NUPACK™	VP-701-X		
	7-0	0.5	45	18	Blue	12	Surgalloy™, LONG PACK	VP-701-MX		
	7-0	0.5	60	24	Blue	36	Surgalloy™, NUPACK™	VP-702-X		
	7-0	0.5	5 × 60	24	Blue	12	Surgalloy™, LONG PACK	VP-702-MX		
	7-0	0.5	75	30	Blue	36	Surgalloy™, NUPACK	VP-713-X		
	7-0	0.5	5 × 75	30	Blue	12	Surgalloy™, LONG PACK	VP-713-MX		
	6-0	0.7	45	18	Blue	36	Surgalloy™, NUPACK™	VP-746-X		
	6-0	0.7	2 × 45	18	Blue	12	Surgalloy™, LONG PACK	VP-746-MX		
	6-0	0.7	60	24	Blue	36	Surgalloy™, NUPACK™	VP-703-X		
	6-0	0.7	60	24	Blue	12	Surgalloy™, LONG PACK	VP-703-MX		
	6-0	0.7	75	30	Blue	12	Surgalloy™, LONG PACK	VP-709-MX		
	6-0	0.7	75	30	Blue	36	Surgalloy™, NUPACK	VP-709-X		
	6-0	0.7	90	36	Blue	36	Surgalloy™, NUPACK	VP-365-X		
CV-1 OPTIVIS 3/8 Circle 9.0 mm Double-arm	7-0	0.5	60	24	Blue	36	Optivis™	VP-72-X		
	7-0	0.5	5 × 60	24	Blue	12	Optivis™, LONG PACK	VP-72-MX		
	7-0	0.5	75	30	Blue	12	Optivis™, LONG PACK	VP-37-MX		
	6-0	0.7	60	24	Blue	36	Optivis™, NUPACK™	VP-73-X		
	6-0	0.7	5 × 60	24	Blue	12	Optivis™, LONG PACK	VP-73-MX		





TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
MV-175-9 3/8 Circle 10.0 mm Double-arm	 MV-175-9	8-0	0.4	60	24	Blue	36	Surgalloy™	VP-763-X
		7-0	0.5	5 × 75	30	Blue	12	Surgalloy™, LONG PACK	VP-875-MX
		7-0	0.5	75	30	Blue	36	Surgalloy™	VP-875-X
CV 3/8 Circle 11.0 mm Double-arm	 CV	6-0	0.7	60	24	Blue	36	Optivis™, NUPACK™	VP-74-X
		6-0	0.7	75	30	Blue	36	Surgalloy™, NUPACK	VP-776-X
CVF 3/8 Circle 11.0 mm Double-arm	 CVF	6-0	0.7	75	30	Blue	36	Surgalloy™, NUPACK	VPF-776-X

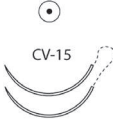
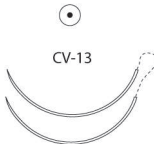
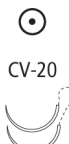




TAPER POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
CV-11 3/8 Circle 13.0 mm Double-arm	 CV-11	7-0	0.5	45	18	Blue	36	Surgalloy™, NUPACK™	VP-800-X
		7-0	0.5	60	24	Blue	36	Surgalloy™, NUPACK™	VP-727-X
		7-0	0.5	75	30	Blue	36	Surgalloy™, NUPACK™	VP-812-X
		6-0	0.7	45	18	Blue	36	Optivis™, NUPACK™	VP-78-X
		6-0	0.7	45	18	Blue	36	Surgalloy™, NUPACK™	VP-718-X
		6-0	0.7	5 × 45	18	Blue	12	Surgalloy™, LONG PACK	VP-718-MX
		6-0	0.7	60	24	Blue	36	Surgalloy™, NUPACK™	VP-726-X
		6-0	0.7	5 × 60	24	Blue	12	Surgalloy™, LONG PACK	VP-726-MX
		6-0	0.7	75	30	Blue	36	Optivis™, NUPACK™	VP-76-X
		6-0	0.7	75	30	Blue	36	Surgalloyv., NUPACK™	VP-706-X
		6-0	0.7	5 × 75	30	Blue	12	Optivis™, LONG PACK	VP-76-MX
		6-0	0.7	5 × 75	30	Blue	12	Surgalloy™, LONG PACK	VP-706-MX
		6-0	0.7	90	36	Blue	36	Surgalloy™, NUPACK™	VP-363-X
		5-0	1	45	18	Blue	36	Surgalloy™, NUPACK™	VP-719-X
		5-0	1	45	18	Blue	12	Surgalloy™, LONG PACK	VP-719-MX
		5-0	1	60	24	Blue	36	Optivis™	VP-75-X
		5-0	1	60	24	Blue	36	Surgalloy™, NUPACK™	VP-725-X
		5-0	1	5 × 60	24	Blue	12	Surgalloy™, LONG PACK	VP-725-MX
CV-11 3/8 Circle 13.0 mm	 CV-11	4-0	1.5	75	30	Blue	36	Surgalloy™	VP-891
		6-0	0.7	75	30	Blue	36	Surgalloy™	VP-889-X
		5-0	1	75	30	Blue	36	Surgalloy™	VP-890-X

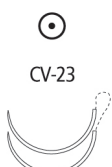




TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
CVF-11 3/8 Circle 13.0 mm Double-arm		6-0	0.7	60	24	Blue	36	NUPACK	VPF-726-X
		6-0	0.7	60	24	Blue	12	Surgalloy™, LONG PACK	VP-126-MX
		6-0	0.7	75	30	Blue	36	Surgalloy™, NUPACK	VPF-706-X
		5-0	1	90	36	Blue	36	Surgalloy™	VPF-720-X
		5-0	1	90	36	Blue	12	Surgalloy™, LONG PACK	VP-120-MX
CV-15 3/8 Circle 17.0 mm		4-0	1.5	75	30	Blue	36	Surgalloy™	VP-881-X
CV-15 3/8 Circle 17.0 mm Double-arm		5-0	1	75	30	Blue	36	Surgalloy™	VP-570X
		5-0	1	90	36	Blue	36	Surgalloy™, NUPACK	VP-580-X
		4-0	1.5	60	24	Blue	36	Surgalloy™	VP-584-X
		4-0	1.5	90	36	Blue	36	3 mm × 7 mm FIRM	VP-582-X
		4-0	1.5	90	36	Blue	36	Surgalloy™	VP-581-X
		4-0	1.5	120	48	Blue	36	Surgalloy™	VP-583-X
		3-0	2	90	36	Blue	36	Surgalloy™	VP-585-X
CV-13 3/8 Circle 22.0 mm Double-arm		4-0	1.5	75	30	Blue	36	Surgalloy™	VP-841-X
		4-0	1.5	90	36	Blue	36	Surgalloy™	VP-851-X
		3-0	2	90	36	Blue	36	Surgalloy™	VP-532-X
		2-0	3	90	36	Blue	36		VP-533
CV-20 1/2 Circle 10.0 mm Double-arm		7-0	0.5	60	24	Blue	36	Surgalloy™, NUPACK™	VP-772-X
		6-0	0.7	60	24	Blue	36	Surgalloy™, NUPACK™	VP-754-X
		5-0	1	60	24	Blue	36	Surgalloy™, NUPACK™	VP-755-X





TAPER POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
CV-22 1/2 Circle 13.0 mm Double-arm	 CV-22	6-0	0.7	45	18	Blue	36	Surgalloy™, NUPACK™	VP-714-X
		6-0	0.7	60	24	Blue	36	Surgalloy™, NUPACK™	VP-711-X
		6-0	0.7	5 × 75	30	Blue	12	Surgalloy™, LONG PACK	VP-733-MX
		6-0	0.7	75	30	Blue	36	Surgalloy™, NUPACK	VP-733-X
		5-0	1	45	18	Blue	36	Surgalloy™, NUPACK™	VP-715-X
		5-0	1	60	24	Blue	36	Surgalloy™, NUPACK™	VP-205-X
		5-0	1	5 × 75	30	Blue	12	Surgalloy™, LONG PACK	VP-710-MX
		5-0	1	75	30	Blue	36	Surgalloy™, NUPACK	VP-710-X
		4-0	1.5	60	24	Blue	36	Surgalloy™	VP-204-X
CV-23 1/2 Circle 17.0 mm	 CV-23	5-0	1	75	30	Blue	36	Surgalloy™, NUPACK	VP-870-X
		4-0	1.5	75	30	Blue	36	Surgalloy™	VP-871-X
		3-0	2	75	30	Blue	36	Surgalloy™	VP-872-X
CV-23 1/2 Circle 17.0 mm Double-arm	 CV-23	6-0	0.7	90	36	Blue	36	Surgalloy™, NUPACK	VP-555X
		5-0	1	90	36	Blue	36	Surgalloy™, NUPACK	VP-556X
		5-0	1	90	36	Blue	36	Optivis™	VP-660-X
		5-0	1	60	24	Blue	36	Surgalloy™, NUPACK™	VP-566X
		5-0	1	5 × 90	36	Blue	12	Surgalloy™, LONG PACK	VP-556MX
		4-0	1.5	45	18	Blue	36	Surgalloy™	VP-757-X
		4-0	1.5	90	36	Blue	36	Pledgets 3 mm × 7 mm FIRM	VPP-557-X
		4-0	1.5	90	36	Blue	36	Surgalloy™	VP-557X





TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
CV-337 1/2 Circle 10.0 mm Double-arm		6-0	0.7	60	24	Blue	36	Cardiopoint™	VP-854-X	
CVF-21 1/2 Circle 12.0 mm Double-arm		4-0	1.5	60	24	Blue	36	Surgalloy™	VPF-610-X	
CVF-22 1/2 Circle 13.0 mm Double-arm		6-0	0.7	75	30	Blue	36	Surgalloy™, NUPACK	VPF-733-X	
		5-0	1	75	30	Blue	36	Surgalloy™, NUPACK	VPF-710-X	
		5-0	1	90	36	Blue	36	Surgalloy™, NUPACK	VPF-711-X	

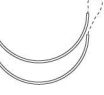
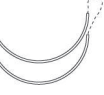




TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
CVL Cardio curve 11.0 mm Double-arm	 CVL 	7-0	0.5	2 × 60	24	Blue	12	Optivis™	VP-652-MX

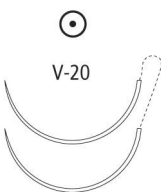




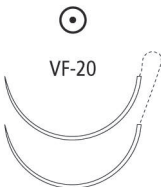
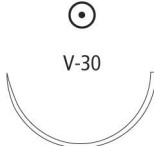
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-23 1/2 Circle 17.0 mm 		CV-23	3-0	2	75	30	Blue	36	Surgalloy™	VP-872-X
			4-0	1.5	120	48	Blue	36	Surgalloy™	X-1252
			5-0	1	75	30	Blue	36	Surgalloy™	VP-870-X
			4-0	1.5	75	30	Blue	36	Surgalloy™	VP-871-X
CV-23 1/2 Circle 17.0 mm Double-arm 		CV-23	4-0	1.5	5 × 90	36	Blue	12	Surgalloy™, LONG PACK	VP-557MX
			3-0	2	90	36	Blue	36	Surgalloy™	VP-558X
			2-0	3	90	36	Blue	36		VP-559-X
CVF-23 1/2 Circle 17.0 mm Double-arm 		CVF-23	4-0	1.5	90	36	Blue	36	Surgalloy™	VPF-557-X
CV-24 1/2 Circle 20.0 mm Double-arm 		CV-24	4-0	1.5	90	36	Blue	36		VP-331X
CV-25 1/2 Circle 22.0 mm 		CV-25	4-0	1.5	75	30	Blue	36	Surgalloy™	VP-771-X
CV-25 1/2 Circle 22.0 mm Double-arm 		CV-25	4-0	1.5	90	36	Blue	36	Surgalloy™	VP-761-X
			4-0	1.5	5 × 90	36	Blue	12	Surgalloy™, LONG PACK	VP-761-MX
			3-0	2	75	30	Blue	36	Surgalloy™	VP-760-X
			3-0	2	90	36	Blue	36	Surgalloy™	VP-762-X





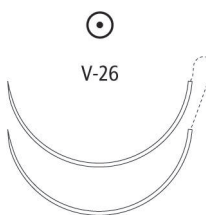
TAPER POINT									
V-20 1/2 Circle 26.0 mm		4-0	1.5	75	30	Blue	36	Surgalloy™	VP-831X
		3-0	2	75	30	Blue	36	Surgalloy™	VP-832X
		2-0	3	75	30	Blue	36	Surgalloy™	VP-833
		0	3.5	75	30	Blue	36	Surgalloy™	VP-834
V-20 1/2 Circle 26.0 mm Double-arm		5-0	1	75	30	Blue	36	Surgalloy™, NUPACK	VP-510X
		5-0	1	90	36	Blue	36	Surgalloy™	VP-520X
		4-0	1.5	75	30	Blue	36	Surgalloy™	VP-511-X
		4-0	1.5	90	36	Blue	36	4.8 mm × 9.5 mm SOFT	VP-621-X
		4-0	1.5	90	36	Blue	36	Surgalloy™	VP-521-X
		4-0	1.5	90	36	Blue	36	3 mm × 7 mm FIRM	VP-421X
		4-0	1.5	120	48	Blue	36	Surgalloy™	VP-541X
		3-0	2	90	36	Blue	36	Surgalloy™	VP-522-X
		3-0	2	90	36	Blue	36	3 mm × 7 mm FIRM	VP-422X
		3-0	2	120	48	Blue	36	Surgalloy™	VP-542-X
		2-0	3	90	36	Blue	36	Surgalloy™	VP-523
		2-0	3	120	48	Blue	36	Surgalloy™	VP-543



TAPER POINT											
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code	
			USP	EP	cm	Inches					
VF-20 1/2 Circle 26.0 mm		VF-20	3-0	2	45	18	Blue	36	Surgalloy™	VPF354X	
VF-20 1/2 Circle 26.0 mm Double-arm		VF-20	4-0	1.5	90	36	Blue	36	Surgalloy™	VPF-521-X	
			3-0	2	90	36	Blue	36	Surgalloy™	VPF-522-X	
			3-0	2	135	54	Blue	36	Surgalloy™	VPF-354-X	
			2-0	3	120	48	Blue	36	Surgalloy™	VPF-543	
GS-22 1/2 Circle 27.0 mm		GS-22	2-0	3	5 × 45	18	Blue	12	D-Tach™	CP-16-M	
			2-0	3	75	30	Blue	36			CP-411
			0	3.5	5 × 45	18	Blue	12	D-Tach™	CP-17-M	
			0	3.5	75	30	Blue	36			CP-412
V-30 1/2 Circle 30.0 mm		V-30	2-0	3	75	30	Blue	36		VP-945	
GS-21 1/2 Circle 37.0 mm		GS-21	3-0	2	75	30	Blue	36		CP-422	
			2-0	3	75	30	Blue	36			CP-423
			0	3.5	5 × 45	18	Blue	12	D-Tach™	CP-10-M	
			0	3.5	75	30	Blue	36			CP-424
			1	4	75	30	Blue	36			CP-425

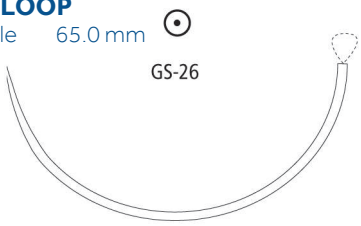
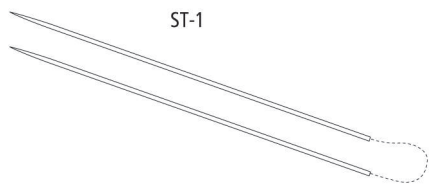




TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
V-26 1/2 Circle 37.0 mm Double-arm 	3-0	2	90	36	Blue	36		VP-842-X
	2-0	3	90	36	Blue	36		VP-843
	2-0	3	120	48	Blue	36		VP-853
GS-24 1/2 Circle 40.0 mm 	2-0	3	75	30	Blue	36		CP-433
	0	3.5	75	30	Blue	36		CP-434
	1	4	75	30	Blue	36		CP-435
	1	4	100	40	Blue	36		CP-535
GS-25 1/2 Circle 48.0 mm 	0	3.5	5 × 45	18	Blue	12	D-Tach™, LONG PACK	CP-30-M
	0	3.5	75	30	Blue	36		CP-454
	1	4	75	30	Blue	36		CP-455
GS-26 1/2 Circle 65.0 mm 	0	3.5	3 × 60	24	Blue	12		3CP-444
	1	4	150	60	Blue	24		CP-824
	2	5	150	60	Blue	24		CP-825





TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-26 LOOP 1/2 Circle 65.0 mm 	1	4	120	48	Blue	24	Loop	CP-824-L
	1	4	240	96	Blue	24	Loop	CP-834-L
ST-1 Straight Double-arm 51.0 mm 	2-0	3	90	36	Blue	36		GP-282

HEAVY TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
HGS-23 1/2 Circle 22.0 mm 	0	3.5	5 × 45	18	Blue	12	D-Tach™, LONG PACK	CP-92-M
HGS-22 1/2 Circle 27.0 mm 	0	3.5	75	30	Blue	36		CP-414
	1	4	90	36	Blue	36		CP-415

PENETRATING TAPER								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
YV-95 3/8 Circle 9.5 mm Double-arm 	7-0	0.5	60	24	Blue	36	Cardiopoint™	VP-911-X

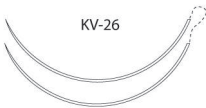
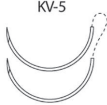
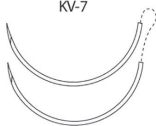




TAPERCUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
KV-1 3/8 Circle 9.0 mm Double-arm	 KV-1 	7-0	0.5	45	18	Blue	12	LONG PACK	VP-721-MX	
		7-0	0.5	60	24	Blue	36	Surgalloy™	VP-704-X	
		7-0	0.5	5 × 60	24	Blue	12	Surgalloy™, LONG PACK	VP-704-MX	
		6-0	0.7	60	24	Blue	36	Surgalloy™, NUPACK	VP-712-X	
		6-0	0.7	5 × 60	24	Blue	12	Surgalloy™, LONG PACK	VP-712-MX	
KVF-1 3/8 Circle 9.0 mm Double-arm	 KVF-1 	7-0	0.5	60	24	Blue	36	Surgalloy™, NUPACK	VPF-704-X	
		6-0	0.7	75	30	Blue	36	Surgalloy™, NUPACK	VPF-807-X	
KV-11 3/8 Circle 13.0 mm Double-arm	 KV-11 	6-0	0.7	60	24	Blue	36	Surgalloy™, NUPACK	VP-707-X	
		6-0	0.7	75	30	Blue	36	Surgalloy™, NUPACK	VP-728-X	
		6-0	0.7	5 × 75	30	Blue	12	Surgalloy™, LONG PACK	VP-728-MX	
		5-0	1	75	30	Blue	36	Surgalloy™, NUPACK	VP-708-X	
		5-0	1	90	36	Blue	36	Surgalloy™, NUPACK	VP-751-X	
KVF-11 3/8 Circle 13.0 mm Double-arm	 KVF-11 	6-0	0.7	75	30	Blue	36	Surgalloy™, NUPACK	VPF-728-X	



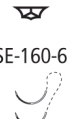


TAPERCUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
KV-15 3/8 Circle 17.0 mm			5-0	1	75	30	Blue	36	Surgalloy™, NUPACK	VP-941-X
KV-15 3/8 Circle 17.0 mm Double-arm			5-0	1	75	30	Blue	36	Surgalloy™, NUPACK	VP-914-X
			5-0	1	90	36	Blue	36	Surgalloy™	VP-924-X
			4-0	1.5	75	30	Blue	36		VP-942-X
			4-0	1.5	90	36	Blue	36	Surgalloy™	VP-925-X
			3-0	2	90	36	Blue	36	Surgalloy™	VP-926-X
KV-26 3/8 Circle 26.0 mm Double-arm			4-0	1.5	120	48	Blue	36	Surgalloy™	VP-965
			3-0	1.5	120	48	Blue	36		VP-956
KV-5 1/2 Circle 17.0 mm Double-arm			5-0	1	90	36	Blue	36	Surgalloy™, NUPACK	VP-934-X
			4-0	1.5	90	36	Blue	36	Surgalloy™	VP-935-X
			4-0	1.5	90	36	Blue	36	3 mm × 7 mm FIRM	VP-435-X
			3-0	2	90	36	Blue	36	Surgalloy™	VP-936-X
			2-0	3	90	36	Blue	36	Surgalloy™	VP-937
KV-7 1/2 Circle 26.0 mm Double-arm			4-0	1.5	90	36	Blue	36	Surgalloy™	VP-975-X
			3-0	2	90	36	Blue	36	Surgalloy™	VP-976-X
			3-0	2	90	36	Blue	36	3 mm × 7 mm FIRM	VP-986-X
			2-0	3	90	36	Blue	36	Surgalloy™	VP-977
			0	3.5	90	36	Blue	36	Surgalloy™	VP-978
KV-34 1/2 Circle 37.0 mm			0	3.5	75	30	Blue	36		CP-844
			1	4	75	30	Blue	36		CP-845





BLUNT POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
BGS-21 1/2 Circle 37.0 mm  BGS-21	0	3.5	75	30	Blue	36	ProtectPoint™	CP-957	
BGS-25 1/2 Circle 48.0 mm  BGS-25	1	4	100	40	Blue	36	ProtectPoint™	CP-836	

SPATULA									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
SE-140-8 3/8 Circle 6.3 mm Double-arm  SE-140-8	10-0	0.2	30	12	Blue	12	Surgalloy™	P-2771K	
SE-160-6 1/2 Circle 5.5 mm Double-arm  SE-160-6	10-0	0.2	30	12	Blue	12	Surgalloy™	P-2756K	

TI-CRON™ / SURGIDAC™

Coated and Uncoated Braided and Monofilament Polyester

A brand you have trusted for over 35 years.



- Ti-Cron™ suture polyester strand is soft and supple
- Silicone (impregnated) coating designed for excellent handling and pliability²
- Uniform braiding process designed to provide resistance to breaking¹
- Excellent knot security²

Absorption

Ti-Cron™ and Surgidac™ polyester sutures are not absorbed, nor is any significant change in tensile strength retention known to occur in vivo.

Tensile Strength

Ti-Cron™ and Surgidac™ polyester sutures are not absorbed, nor is any significant change in tensile strength retention known to occur in vivo.

Indications

Indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic and neurological surgery.

Description

Ti-Cron™ and Surgidac™ polyester sutures are non absorbable, sterile, surgical sutures composed of Polyethylene Terephthalate. They are prepared from fibers of high molecular weight, long-chain, linear polyesters having recurrent aromatic rings as an integral component. Ti-Cron™ braided sutures are available coated uniformly with silicone to increase surface lubricity, thereby enhancing handling characteristics, ease of passage through tissue, and knot run-down properties. Surgidac™ monofilament sutures are uncoated and the braided sutures are available uncoated or coated uniformly with polybutylene adipate to increase surface lubricity, thereby enhancing handling characteristics, ease of passage through tissue, and knot run-down properties.

Indications

Ti-Cron™ and Surgidac™ polyester sutures are indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic and neurological surgery.

Actions

Ti-Cron™ and Surgidac™ polyester sutures elicit a minimal acute inflammatory reaction in tissues, followed by gradual encapsulation of the suture by fibrous connective tissue.

Tensile Strength

Ti-Cron™ and Surgidac™ polyester sutures are not absorbed, nor is any significant change in tensile strength retention known to occur in vivo.

Sterilization

Ti-Cron™ and Surgidac™ polyester sutures in sizes 6-0 or smaller or pledgeted sutures are sterilized by ethylene oxide. Sizes 5-0 or greater are sterilized by gamma irradiation.

Packaging

Ti-Cron™ polyester sutures are available undyed (white) or dyed with D&C Blue No. 6 and braided, coated, in sizes 5 (7 Metric), size 2 (5 metric), size 1 (4 metric), 0 size (3.5 metric) through 5-0 (1 Metric). SURGIDAC™ polyester sutures are available undyed (white), braided and uncoated in USP and EP sizes 5-0 (1 metric). The sutures are supplied sterile, in pre-cut lengths, affixed to various needle types using both permanent and removable needle attachment techniques. Ti-Cron™ polyester sutures are also available with PTFE (polytetrafluorethylene) pledgets for use as a pad between the suture area and the tissue surface to increase the load bearing area. Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

1. Individual standard deviations were used to calculate the intervals. Based on internal test report, Suture analysis Ti-Cron™ suture large sizes. September 2013.
2. Medtronic R&D Testing Services Report, Ti-Cron™ suture 2-0 knot security benchmark data. August 2015

Ti-Cron™ / Surgidac™

Ti-Cron™ / Surgidac™ is a suture brand you have trusted for over 35 years with a proven history for performance

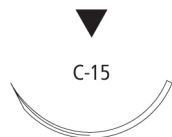
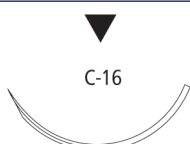
PRE-CUT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	5-0	1	12×45	18	Blue	36	Pre-cut	88863008-21
	4-0	1.5	12×45	18	Blue	36	Pre-cut	88863008-31
	4-0	1.5	12×75	30	Blue	24	Pre-cut	88863003-32
	3-0	2	12×45	18	Blue	36	Pre-cut	88863008-41
	3-0	2	6×45	18	Blue	36	Pre-cut	88863001-41
	3-0	2	12×75	30	Blue	24	Pre-cut	88863003-42
	2-0	3	5×45	18	White	12	Pre-cut	88863011-51
	2-0	3	12×45	18	Blue	36	Pre-cut	88863008-51
	2-0	3	12×75	30	Blue	24	Pre-cut	88863003-52
	0	3.5	6×45	18	Blue	24	Pre-cut	88863001-62
	0	3.5	6×75	30	Blue	24	Pre-cut	88863002-62
	1	4	6×45	18	Blue	24	Pre-cut	88863001-72

REEL

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	3-0	2	250	100	Blue	24	Reel	88863380-42
	2-0	3	250	100	Blue	24	Reel	88863380-52
	0	3.5	250	100	Blue	24	Reel	88863380-62
	1	4	250	100	Blue	24	Reel	88863380-72
	2	5	250	100	Blue	24	Reel	88863380-82
	4	6	150	60	Blue	24	Reel	88863381-09
	5	7	150	60	Blue	24	Reel	88863381-89

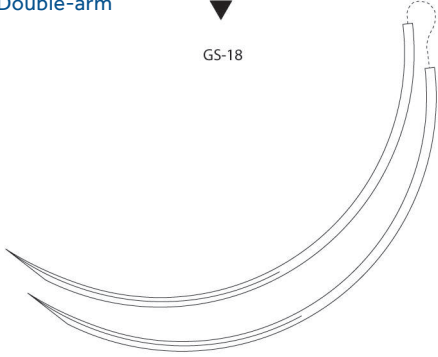


REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
C-12 3/8 Circle 16.0 mm		C-12	5-0	1	45	18	Blue	36		88863045-21
			4-0	1.5	75	30	Blue	36		88863046-31
C-13 3/8 Circle 19.0 mm		C-13	4-0	1.5	45	18	Blue	36		88863047-31
			3-0	2	75	30	Blue	36		88863047-41
			3-0	2	45	18	Blue	36		88863055-41
			2-0	3	75	30	Blue	36		88863048-51
C-14 3/8 Circle 24.0 mm		C-14	3-0	2	45	18	Blue	36		88863069-41
			3-0	2	75	30	Blue	36		88863050-41
			2-0	3	75	30	Blue	36		88863050-51
			2-0	3	90	36	Blue	36		88863065-51
			0	3.5	75	30	Blue	36		88863050-61
			0	3.5	90	36	Blue	36		88863065-61
C-15 3/8 Circle 26.0 mm		C-15	2-0	3	75	30	Blue	36		88863070-51
C-16 3/8 Circle 30.0 mm		C-16	2-0	3	75	30	Blue	36		88863023-51
			0	3.5	75	30	Blue	36		88863023-61
			0	3.5	90	36	Blue	36		88863012-61
			1	4	75	30	Blue	36		88863023-71





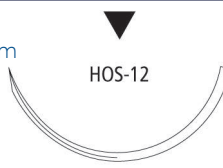
REVERSE CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-17 3/8 Circle 39.0 mm 	2-0	3	75	30	Blue	36		88863054-51
	0	3.5	75	30	Blue	36		88863054-61
	1	4	75	30	Blue	36		88863054-71
	2	5	75	30	Blue	36		88863054-81
GS-18 3/8 Circle 77.0 mm 	5	7	45	18	Blue	12		88863056-89
GS-18 3/8 Circle 77.0 mm Double-arm 	5	7	75	30	Blue	24		88863128-79
	2	5	75	30	Blue	24		88863128-82
	2	5	75	30	Green	24		CD-496
HOS-10 1/2 Circle 26.0 mm 	2-0	3	75	30	Blue	36		88863395-51
	0	3.5	75	30	Blue	36		88863395-61
	1	4	75	30	Blue	36		88863395-71
	2	5	75	30	Blue	36		88863395-81
GS-11 1/2 Circle 37.0 mm 	2-0	3	75	30	Blue	36		88863309-51
	0	3.5	75	30	Blue	36		88863309-61
	1	4	75	30	Blue	36		88863309-71
	4	6	75	30	Blue	36		88863154-09
HOS-11 1/2 Circle 37.0 mm 	1	4	75	30	Blue	36		88863028-71
	2	5	75	30	Blue	36		88863028-81

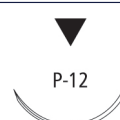




REVERSE CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-12 1/2 Circle 40.0 mm 	2	5	75	30	Blue	36		88863155-81
HOS-12 1/2 Circle 40.0 mm 	1	4	75	30	Blue	36		88863026-71
	2	5	75	30	Blue	36		88863026-81
HOS-14 1/2 Circle 55.0 mm 	5	7	75	30	Blue	36		88863027-79

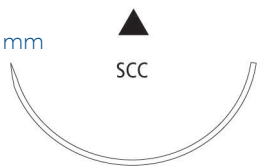
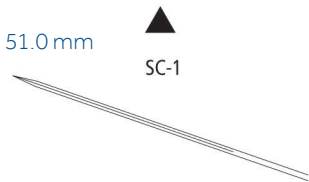
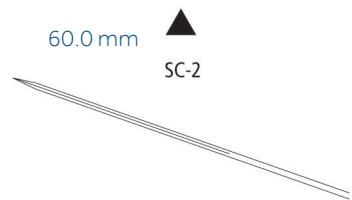
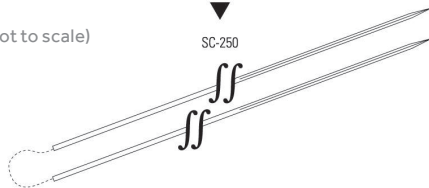
PREMIUM REVERSE CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-13 3/8 Circle 13.0 mm 	5-0	1	45	18	Blue	12	Surgalloy™	SCD-3058G
	5-0	1	45	18	White	12	Surgalloy™	SCD-2864G
	4-0	1.5	45	18	Blue	12	Surgalloy™	SCD-3059G
	4-0	1.5	45	18	White	12	Surgalloy™	88862862-34
P-12 3/8 Circle 19.0 mm 	4-0	1.5	45	18	Blue	12	Surgalloy™	SCD-3049G



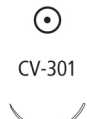


PREMIUM REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
P-21 1/2 Circle 9.0 mm	 P-21 	4-0	1.5	45	18	White	12		88862854-33	
P-22 1/2 Circle 13.0 mm	 P-22 	3-0	2	45	18	Blue	12	Surgalloy™	88863109-43	
P-24 1/2 Circle 16.0 mm	 P-24 	2-0	3	45	18	Blue	12	Surgalloy™	88863059-53	

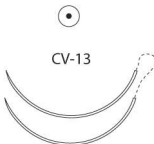
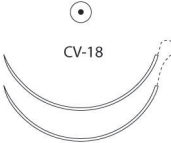
CONVENTIONAL CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
SCC 1/2 Circle 48.0 mm		5	7	5×75	30	Blue	6		88863127-79	
SC-1 Straight 51.0 mm		2-0	3	75	30	Blue	36		88863163-51	
		0	3.5	75	30	Blue	36		88863163-61	
		1	4	75	30	Blue	36		88863163-71	
SC-2 Straight 60.0 mm		3-0	2	75	30	Blue	36		88863062-41	
		2-0	3	75	30	Blue	36		88863062-51	
		2-0	3	90	36	Blue	36		88863165-51	
		0	3.5	75	30	Blue	36		88863062-61	
SC-250 Straight 254.0 mm (Not to scale)		2-0	3	75	30	Blue	12		88862947-53	





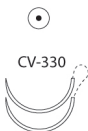
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-310 3/8 Circle 10.0 mm Double-arm			7-0	0.5	45	18	Blue	36	Cardiopoint™	88863288-01
CV-301 3/8 Circle 13.0 mm			4-0	1.5	75	30	Blue	36	Cardiopoint™	88863106-31
CV-301 3/8 Circle 13.0 mm Double-arm			6-0	0.7	75	30	Blue	36	Cardiopoint™	88863280-11
			5-0	1	75	30	Blue	36	3mm x 3mm FIRM, Cardiopoint™	88863314-21
			5-0	1	75	30	Blue	36	Cardiopoint™	88863280-21
			5-0	1	75	30	White	36	Cardiopoint™	88862801-21
			4-0	1.5	75	30	Blue	36	3 mm x 3 mm Firm, Cardiopoint™	88863314-31
			4-0	1.5	75	30	Blue	36	Cardiopoint™	88863280-31
			3-0	2	75	30	Blue	36	Cardiopoint™	88863280-41



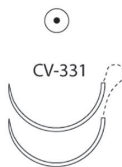
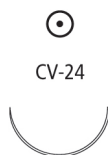
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-15 3/8 Circle 17.0 mm Double-arm		2-0	3	90	36	White	6	Surgalloy™	88862636-56	
CV-327 3/8 Circle 18.0 mm Double-arm		5-0	1	75	30	Blue	36	Cardiopoint™	88862775-21	
		4-0	1.5	75	30	Blue	36	Cardiopoint™	88862775-31	
		3-0	2	75	30	Blue	36	Cardiopoint™	88862775-41	
CV-13 3/8 Circle 22.0 mm Double-arm		3-0	2	90	36	Blue	36	Surgalloy™	88862627-41	
CV-18 3/8 Circle 26.0 mm Double-arm		2-0	3	10×90	36	5 Blue and 5 White	6		88863230-56	





TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
CV-337 1/2 Circle 10.0 mm Double-arm		5-0	1	75	30	Blue	36	Cardiopoint™	88863298-21
		5-0	1	90	36	Blue	36	Pledgets 3 mm × 3 mm FIRM, Cardiopoint™	88863297-21
		5-0	1	90	36	Blue	36	Cardiopoint™	88863139-21
CV-330 1/2 Circle 13.0 mm Double-arm		5-0	1	60	24	Blue	36	Cardiopoint™	88863226-21
		4-0	1.5	60	24	Blue	36	Cardiopoint™	88863226-31
		4-0	1.5	90	36	Blue	36	Cardiopoint™	88863249-31
		3-0	2	45	18	Blue	36	Pledgets 3 mm × 3 mm FIRM, Cardiopoint™	88863295-41
		3-0	2	60	24	Blue	36	Cardiopoint™	88863226-41

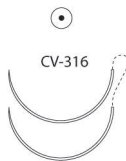


TAPER POINT											
Needles Specifications				Size		Length		Color	Units Per box	Comments	Reorder code
				USP	EP	cm	Inches				
CV-331 1/2 Circle 16.0 mm		CV-331	5-0	1	75	30	Blue	36	Cardiopoint™	88863186-21	
			4-0	1.5	75	30	Blue	36	Cardiopoint™	88863186-31	
			3-0	2	75	30	Blue	36	Cardiopoint™	88863186-41	
			2-0	3	75	30	Blue	36	Cardiopoint™	88863186-51	
CV-331 1/2 Circle 16.0 mm Double-arm		CV-331	5-0	1	90	36	Blue	36	Cardiopoint™	88863271-21	
			4-0	1.5	75	30	Blue	36	Cardiopoint™	88863087-31	
			4-0	1.5	90	36	Blue	36	Cardiopoint™	88863271-31	
			3-0	2	10×75	30	Blue	6	Cardiopoint™	88863084-46	
			3-0	2	75	30	Blue	36	Cardiopoint™	88863087-41	
			3-0	2	90	36	Blue	36	Cardiopoint™	88863271-41	
			2-0	3	8×75	30	4 Blue and 4 White	6	3 mm × 3 mm FIRM, Cardiopoint™	88863086-56	
			2-0	3	8×75	30	4 Blue and 4 White	6	Cardiopoint™	88863083-56	
			2-0	3	10×75	30	Blue	6	Cardiopoint™	88863084-56	
			2-0	3	8×75	30	4 Blue and 4 White	6	Pledgets 3 mm × 7 mm FIRM, Cardiopoint™	88863091-56	
			2-0	3	75	30	Blue	36	Cardiopoint™	88863087-51	
			2-0	3	90	36	5 Blue and 5 White	6	Pledgets 3 mm × 3 mm FIRM, Cardiopoint™	88863273-56	
			2-0	3	10×90	36	5 Blue and 5 White	6	Pledgets 3mm × 7 mm FIRM, Cardiopoint™	88863269-56	
CV-24 1/2 Circle 20.0 mm		CV-24	3-0	2	5×45	18	Blue	24	D-Tach™	88863267-42	



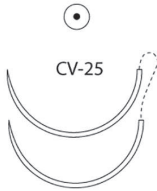


TAPER POINT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
CV-316 1/2 Circle 20.0 mm Double-arm 	4-0	1.5	75	30	Blue	36	Pledgets 3 mm × 7 mm FIRM, Cardiopoint™	88863348-31
	4-0	1.5	90	36	Blue	36	Cardiopoint™	88863369-31
	3-0	2	75	30	Blue	36	Cardiopoint™	88863227-41
	3-0	2	90	36	Blue	36	Cardiopoint™	88863369-41
	2-0	3	10×75	30	5 Blue and 5 White	6	Cardiopoint™	88863385-56
	2-0	3	75	30	Blue	36	Cardiopoint™	88863227-51
	2-0	3	75	30	Blue	36	3 mm × 7 mm FIRM, Cardiopoint™	88863348-51
	2-0	3	10×75	30	5 Blue and 5 White	6	3 mm × 7 mm FIRM, Cardiopoint™	88863323-56
	2-0	3	75	30	White	36	3 mm × 7 mm FIRM, Cardiopoint™	88862978-51
	2-0	3	10×75	30	5 Blue and 5 White	6	Pledgets 3 mm × 3 mm FIRM, Cardiopoint™	88863277-56
	2-0	3	8×75	30	4 Blue and 4 White	6	Pledgets 3 mm × 7 mm SOFT, Cardiopoint™	VCD-375
	2-0	3	10×75	30	Blue	6	Cardiopoint™	88863344-56
	2-0	3	90	36	White	36	Cardiopoint™	88862839-51
	2-0	3	90	36	Blue	36	Cardiopoint™	88863369-51



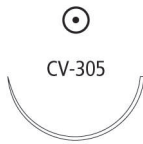
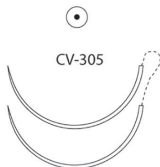


TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
GS-23 1/2 Circle 22.0 mm		GS-23	0	3.5	5×45	18	Blue	24	D-Tach™	88863257-62
CV-25 1/2 Circle 22.0 mm Double-arm		CV-25	3-0	2	90	36	Blue	36		88863370-41
			2-0	3	90	36	Blue	36	Surgalloy™	88863370-51

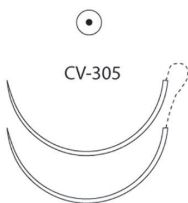
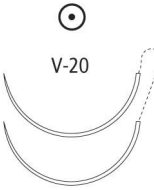




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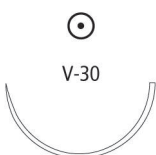
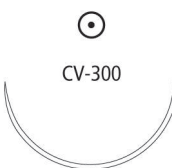
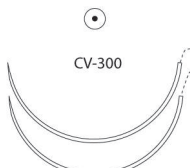
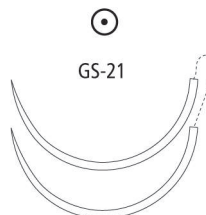
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
CV-305 1/2 Circle 25.0 mm 		4-0	1.5	75	30	Blue	36	Cardioint™	88863185-31
		3-0	2	75	30	Blue	36	Cardioint™	88863185-41
		2-0	3	10×75	30	5 Blue and 5 White	6	Cardioint™	88863353-56
		2-0	3	5×75	30	Blue	24	Cardioint™	88863033-52
		0	3.5	75	30	Blue	36	Cardioint™	88863185-61
		1	4	75	30	Blue	36	Cardioint™	88863185-71
CV-305 1/2 Circle 25.0 mm Double-arm 		4-0	1.5	90	36	Blue	36	Cardioint™	88863256-31
		3-0	2	90	36	Blue	36	Pledgets 3 mm × 7 mm FIRM, Cardioint™	88863336-41
		3-0	2	90	36	Blue	36	Cardioint™	88863256-41
		3-0	2	105	42	Blue	36	Cardioint™	88863035-41
		2-0	3	10×75	30	5 Blue and 5 White	6	3 mm × 7 mm FIRM, Cardioint™	88863324-56
		2-0	3	8×75	30	4 Blue AND 4 White	6	Pledgets 3 mm × 7 mm SOFT, Cardioint™	VCD-346
		2-0	3	75	30	Blue and White	6		VCD-2030556MSE
		2-0	3	75	30	Blue and White	6		VCD-2030556MFE
		2-0	3	10×75	30	5 Blue and 5 White	6	Cardioint™	88863356-56
		2-0	3	75	30	Blue	36	Cardioint™	88863185-51
		2-0	3	5×75	30	Blue	6	Cardioint™	88863040-56
		2-0	3	10×75	30	5 Blue and 5 White	6	Pledgets 4 mm × 8 mm FIRM, Cardioint™	88863037-56
		2-0	3	90	36	Blue	36	3 mm × 7 mm FIRM, Cardioint™	88863336-51
		2-0	3	90	36	Blue	36	Cardioint™	88863256-51
		2-0	3	10×90	36	5 Blue and 5 White	6	Cardioint™	88862981-56
		2-0	3	90	36	White	36	Cardioint™	88862914-51
		2-0	3	90	36	White	36	3 mm × 7 mm FIRM, Cardioint™	88862953-51



TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
CV-305 1/2 Circle 25.0 mm Double-arm		2-0	3	8×90	36	4 Blue and 4 White	6	Pledgets 3 mm × 3 mm FIRM, Cardiopoint™	88863307-56
		2-0	3	6×90	36	3 Blue and 3 White	6	Pledgets 3 mm × 7 mm FIRM, Cardiopoint™	88863306-56
		2-0	3	10×90	36	Blue	6	Cardiopoint™	88863220-56
		2-0	3	105	42	Blue	36	Cardiopoint™	88863035-51
		0	3.5	90	36	Blue	36	Cardiopoint™	88863256-61
		0	3.5	90	36	White	36	Cardiopoint™	88862914-61
V-20 1/2 Circle 26.0 mm		4-0	1.5	5×45	18	Blue	24	D-Tach™	88863258-32
		3-0	2	5×45	18	Blue	24	D-Tach™	88863258-42
		2-0	3	5×45	18	Blue	24	D-Tach™	88863258-52
		2-0	3	120	48	Blue	36	Endoscopy	88863129-51
		0	3.5	120	48	Blue	36	Endoscopy	88863015-61
V-20 1/2 Circle 26.0 mm Double-arm		2-0	3	90	36	Blue	36	Surgalloy™	88863251-51
GS-22 1/2 Circle 27.0 mm		2-0	3	75	30	Blue	36		88863093-51
		0	3.5	5×45	18	Blue	24	D-Tach™	88863259-62
		0	3.5	75	30	Blue	36		88863093-61

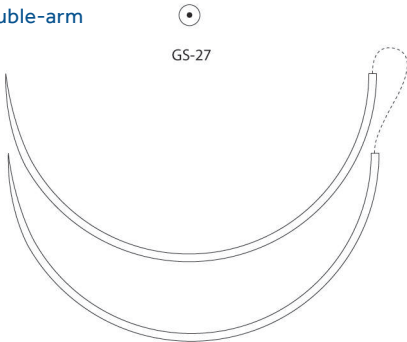
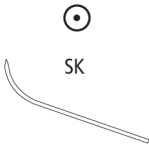
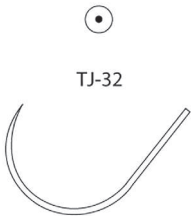




TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches		Per box		
V-30 1/2 Circle 30.0 mm		V-30	3-0	2	75	30	Blue	36		88863205-41
			2-0	3	75	30	Blue	36		88863205-51
			0	3.5	75	30	Blue	36		88863205-61
CV-300 1/2 Circle 35.0 mm		CV-300	0	3.5	75	30	Blue	36	Cardiopoint™	88863082-61
			2-0	3	75	30	Blue	36	Cardiopoint™	88863082-51
CV-300 1/2 Circle 35.0 mm Double-arm		CV-300	2-0	3	75	30	Blue	36	Cardiopoint™	88863274-51
			2-0	3	90	36	Blue	36	Cardiopoint™	88863393-51
			0	3.5	75	30	Blue	36	Cardiopoint™	88863274-61
			0	3.5	90	36	Blue	36	Cardiopoint™	88863393-61
GS-21 1/2 Circle 37.0 mm		GS-21	2-0	3	5×45	18	Blue	24	D-Tach™	88863260-52
			2-0	3	75	30	Blue	36		88863090-51
			0	3.5	45	18	Blue	24	D-Tach™	88863260-62
			0	3.5	75	30	Blue	36		88863090-61
			1	4	5×45	18	Blue	24	D-Tach™	88863260-72
			1	4	75	30	Blue	36		88863090-71
			2	5	75	30	Blue	36		88863090-81
GS-21 1/2 Circle 37.0 mm Double-arm		GS-21	2	5	90	36	Blue	36		88863146-81





TAPER POINT									
Needles Specifications		Size		Length		Color	Units	Comments	Reorder code
		USP	EP	cm	Inches				
GS-25 1/2 Circle 48.0 mm  GS-25	0	3.5	5×45	18	Blue	24	D-Tach™	88863261-62	
	0	3.5	75	30	Blue	36		88863097-61	
	1	4	5×45	18	Blue	24	D-Tach™	88863261-72	
	1	4	75	30	Blue	36		88863097-71	
	2	5	5×45	18	Blue	24	D-Tach™	88863261-82	
GS-27 1/2 Circle 76.0 mm Double-arm  GS-27	0	3.5	75	30	Blue	36		88863190-61	
GU-46 5/8 Circle 27.0 mm  GU-46	2-0	3	75	30	Blue	36		88862768-51	
SK SKI 23.0 mm  SK	2-0	3	120	48	Blue	36		88863017-51	
	0	3.5	120	48	Blue	36		88863017-61	
TJ-32 1/2 Circle 32.0 mm  TJ-32	1	4	75	30	Blue	36		88863103-71	





HEAVY TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
HGS-23 1/2 Circle 22.0 mm		HGS-23	2-0	3	5×45	18	Blue	24	D-Tach™	88863374-52
			0	3.5	5×45	18	Blue	24	D-Tach™	88863374-62
			1	4	75	30	Blue	36		88863375-71
HGU-46 5/8 Circle 27.0 mm		HGU-46	0	3.5	5×45	18	Blue	24	D-Tach™	88863386-62
HGS-22 1/2 Circle 27.0 mm		HGS-22	2-0	3	5×45	18	Blue	24	D-Tach™	88863379-52
			1	4	5×45	18	Blue	24	D-Tach™	88863372-72
			2	5	5×45	18	Blue	24		88863372-82
HGS-21 1/2 Circle 37.0 mm		HGS-21	1	4	75	30	Blue	36		88863113-71
			2	5	75	30	Blue	36		88863113-81
			5	7	75	30	Blue	36		88863111-79

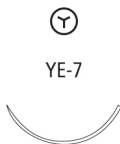




HEAVY TAPER POINT

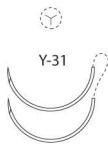
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
HGS-24 1/2 Circle 40.0 mm  HGS-24	2	5	75	30	Blue	36		88863376-81

PENETRATING TAPER

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
YE-7 3/8 Circle 18.0 mm  YE-7	4-0	1.5	75	30	Blue	36	Cardioint™	88863107-31
YE-7 3/8 Circle 18.0 mm Double-arm  YE-7	4-0	1.5	75	30	Blue	36	Cardioint™	88863182-31
	3-0	2	10×75	30	Blue	6	Cardioint™	VCD-320
	3-0	2	75	30	Blue	36	Cardioint™	88863182-41
	2-0	3	10×75	30	5 Blue and 5 White	6	Pledgets 3 mm × 7 mm FIRM, Cardioint™	88863365-56
	2-0	3	75	30	Blue	36	Pledgets 3 mm × 7 mm FIRM, Cardioint™	88863233-51
	2-0	3	10×75	30	5 Blue and 5 White	6	Cardioint™	88863211-56
	2-0	3	75	30	Blue	36	Cardioint™	88863182-51
	2-0	3	5×90	36	5 Blue and 5 White	6	Cardioint™	88863052-56
	2-0	3	90	36	5 Blue and 5 White	6	Pledgets 3 mm × 7 mm FIRM, Cardioint™	88862658-56
	2-0	3	90	36	Blue	36	Cardioint™	88862631-51

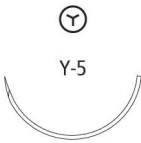
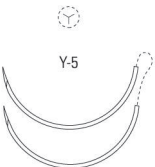




PENETRATING TAPER								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
Y-31 1/2 Circle 16.0 mm Double-arm 	4-0	1.5	8×75	30	4 Blue and 4 White	6	Pledgets 3 mm × 3 mm FIRM, Cardiopoint™	88863218-36
	4-0	1.5	90	36	Blue	36	Cardiopoint™	88863160-31
	3-0	2	75	30	White	36	Cardiopoint™	88862880-41
	3-0	2	90	36	Blue	36	Cardiopoint™	88863160-41
	2-0	3	10×75	30	5 Blue and 5 White	6	3 mm v 7 mm FIRM, Cardiopointv	88863221-56
	2-0	3	8×75	30	4 Blue and 4 White	6	3 mm × 7 mm FIRM, Cardiopointv	88863219-56
	2-0	3	8×75	30	4 Blue and 4 White	6	3 mm × 3 mm FIRM, Cardiopointv	88863218-56
	2-0	3	4×75	30	2 Blue and 2 White	6	Pledgets 3 mm v 5 mm FIRM, Cardiopointv	VCD-110
	2-0	3	75	30	Blue	36	Cardiopoint™	88863125-51
	2-0	3	75	30	White	36	Cardiopointv	88862880-51
	2-0	3	10×75	30	5 Blue and 5 White	6	Cardiopointv	88862877-56
	2-0	3	8×75	30	4 Blue and 4 White	6	Pledgets 3 mm × 7 mm SOFT, Cardiopoint™	VCD-656
	2-0	3	90	36	White	36	3 mm × 3 mm FIRM, Cardiopointv	88862811-51
	2-0	3	90	36	White	36	3 mm × 7 mm FIRM, Cardiopoint™	88862808-51
	2-0	3	90	36	Blue	36	3 mm × 3 mm FIRM, Cardiopoint™	88863191-51
	2-0	3	10×90	36	5 Blue and 5 White	6	Pledgets 3 mm × 3 mm FIRM, Cardiopoint™	88863255-56
	2-0	3	90	36	Blue	36	Pledgets 3 mm × 7 mm FIRM, Cardiopoint™	88863204-51
	2-0	3	90	36	Blue	36	Cardiopoint™	88863160-51
	2-0	3	10×90	36	5 Blue and 5 White	6	Cardiopoint™	88862851-56
Y-16 1/2 Circle 20.0 mm Double-arm 	2-0	3	6×75	30	3 Blue and 3 White	6	Pledgets 3 mm × 7 mm FIRM, Cardiopoint™	88863303-56
	2-0	3	10×75	30	5 Blue and 5 White	6	Cardiopoint™	88863241-56
	2-0	3	90	36	Blue	36	Cardiopoint™	88863157-51

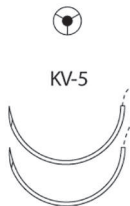
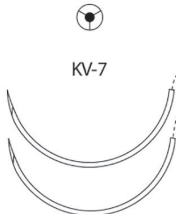




PENETRATING TAPER									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
Y-5 1/2 Circle 26.0 mm 	3-0	2	75	30	Blue	36	Cardiopoint™	88863088-41	
	2-0	3	75	30	Blue	36	Cardiopoint™	88863088-51	
Y-5 1/2 Circle 26.0 mm Double-arm 	4-0	1.5	90	36	Blue	36	Cardiopoint™	88863167-31	
	3-0	2	75	30	Blue	36	Cardiopoint™	88863088-41	
	3-0	2	90	36	Blue	36	Cardiopoint™	88863167-41	
	2-0	3	8×75	30	4 Blue and 4 White	6	3 mm × 7 mm SOFT, Cardiopoint™	VCD-256	
	2-0	3	10×75	30	5 Blue and 5 White	6	Cardiopoint™	88863222-56	
	2-0	3	8×75	30	4 Blue and 4 White	6	Pledgets 3 mm × 7 mm FIRM, Cardiopoint™	88863213-56	
	2-0	3	8×75	30	4 Blue and 4 White	6	Pledgets 3 mm × 3 mm FIRM, Cardiopoint™	88863203-56	
	2-0	3	75	30	Blue	36	Cardiopoint™	88863202-51	
	2-0	3	75	30	Blue	36	Cardiopoint™	88863088-51	
	2-0	3	75	30	White	36	Cardiopoint™	88862855-51	
	2-0	3	10×90	36	5 Blue and 5 White	6	Pledgets 3 mm × 7 mm FIRM, Cardiopoint™	88863290-56	
	2-0	3	90	36	Blue	36	Pledgets 3 mm × 7 mm FIRM, Cardiopoint™	88863212-51	
	2-0	3	90	36	Blue	36	Cardiopoint™	88863167-51	
	2-0	3	90	36	White	36	Cardiopoint™	88862815-51	
	2-0	3	10×90	36	5 Blue and 5 White	6	Cardiopoint™	88862852-56	
	2-0	3	90	36	White	36	Pledgets 3 mm × 7 mm FIRM, Cardiopoint™	88862840-51	
	0	3.5	8×75	30	4 Blue and 4 White	6	Pledgets 3 mm × 7 mm FIRM, Cardiopoint™	88863213-66	
	0	3.5	75	30	Blue	36	Cardiopoint™	88863202-61	
	0	3.5	90	36	Blue	36	Cardiopoint™	88863167-61	





TAPERCUTTING										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
KV-15 3/8 Circle 17.0 mm Double-arm		2-0	3	4 × 75	30	Blue	6	Surgalloy™	88863131-56	
KV-26 3/8 Circle 26.0 mm Double-arm		2-0	3	10 × 90	36	5 Blue and 5 White	6	Pledgets 3 mm × 7 mm FIRM	88863275-56	
KV-5 1/2 Circle 17.0 mm Double-arm		4-0	1.5	90	36	Blue	36	Surgalloy™	88863159-31	
		3-0	2	90	36	Blue	36	Surgalloy™	88863159-41	
		2-0	3	8 × 75	30	4 Blue and 4 White	6	Pledgets 3 mm × 3 mm FIRM Pledgets	88863236-56	
		2-0	3	8 × 75	30	4 Blue and 4 White	6	Pledgets 3 mm × 7 mm FIRM	88863235-56	
		2-0	3	10 × 75	30	5 Blue and 5 White	6	Surgalloy™	88862879-56	
		2-0	3	90	36	Blue	36	Surgalloy™	88863159-51	
		2-0	3	90	36	Blue	36	Pledgets 3 mm × 3 mm FIRM	88863193-51	
KV-7 1/2 Circle 26.0 mm Double-arm		2-0	3	75	30	Blue	36	Surgalloy™	88863319-51	
		2-0	3	8 × 75	30	4 Blue and 4 White	6	Pledgets 3 mm × 7 mm FIRM	88863240-56	
		2-0	3	10 × 75	30	5 Blue and 5 White	6	Pledgets 3 mm × 7 mm FIRM	88863228-56	
		2-0	3	90	36	Blue	36	Pledgets 3 mm × 7 mm FIRM	88863239-51	
		2-0	3	90	36	Blue	36	Surgalloy™	88863168-51	
KV-34 1/2 Circle 37.0 mm		0	3.5	75	30	Blue	36		88863119-61	





TAPERCUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
KV-37 1/2 Circle 40.0 mm 	0	3.5	75	30	Blue	36		88863092-61
	1	4	75	30	Blue	36		88863092-71
	2	5	5×75	30	Blue	12		88863147-83
	5	7	5×75	30	Blue	12		88863147-89
KV-40 1/2 Circle 48.0 mm 	5	7	4×75	30	Blue	12		88862818-89





STRAIGHT

Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
SS-24 1/4 Circle 8.6 mm Double-arm		6-0	0.7	45	18	White	12	Surgalloy™	CD-3113K	
		5-0	1	45	18	White	12	Surgalloy™	CD-3123K	
		5-0	1	45	18	White	12	Surgalloy™	D-1764K	
		4-0	1.5	45	18	White	12	Surgalloy™	D-1763K	
SS-14 1/4 Circle 8.6 mm Double-arm		6-0	0.7	45	18	White	12	Surgalloy™	D-1722K	
		5-0	1	45	18	White	12	Surgalloy™	D-1760K	
SS-28 3/8 Circle 7.4 mm Double-arm		6-0	0.7	45	18	White	12	Surgalloy™	D-1683K	
SS-2 1/2 Circle 8.6 mm Double-arm		5-0	1	45	18	White	12	Surgalloy™	CD-0423K	
		5-0	1	45	18	White	12	Surgalloy™	D-1780K	
		4-0	1.5	45	18	White	12	Surgalloy™	D-1779K	

VASCUFIL™

Coated Monofilament Polybutester

Innovation in Cardiovascular Surgery.



Vascufil™ suture provides a 20% greater luminal opening than polypropylene sutures.¹

Important wherever restricted blood flow is a concern.



Vascufil™ suture is elastic, soft and supple, with less memory compared to polypropylene suture.²

Ideal when ease of use, excellent knot security and tighter, smaller knots are priorities.

Tensile Strength

Vascufil™ sutures are not absorbed, nor is any significant change in strength retention known to occur in vivo. Excretion of the absorbable coating is essentially complete within thirty days.

Packaging

Available dyed with Copper Phthalocyanine Blue in U.S.P. sizes 2–0 (3 Metric) through 7–0 (0.5 Metric). The sutures are supplied sterile, in pre-cut lengths affixed to various needle types, using permanent needle attachment techniques. Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

Indications

Indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular and ophthalmic surgery, but not in microsurgery and neural tissue.



Description

Vascufil™ monofilament polybutester sutures are nonabsorbable, sterile, surgical sutures composed of a copolymer of butylene terephthalate and polytetramethylene ether glycol. The suture is coated with Polytribolate™, an absorbable polymer of e-caprolactone / glycolide / poloxamer 188.

Indications

Vascufil™ polybutester sutures are indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular and ophthalmic surgery, but not in microsurgery and neural tissue.

Actions

Vascufil™ sutures elicit a minimal acute inflammatory reaction in tissues, which is followed by gradual encapsulation of the suture by fibrous connective tissue.

Tensile Strength

Vascufil™ sutures are not absorbed, nor is any significant change in strength retention known to occur in vivo. Excretion of the absorbable coating is essentially complete within thirty days.

Sterilization

Gamma irradiation.

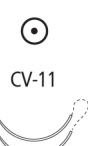
Packaging

Vascufil™ monofilament sutures are available dyed with Copper Phthalocyanine Blue in U.S.P. sizes 2-0 (3 Metric) through 7-0 (0.5 Metric). The sutures are supplied sterile, in pre-cut lengths affixed to various needle types, using permanent needle attachment techniques. Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

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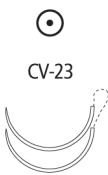
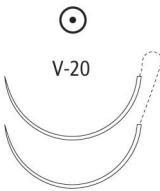
1. Baumgartner, Norbert, et al. Influence of suture technique and suture material selection on the mechanics of end-to-end and end-to-side anastomoses. J Thorac Cardiovasc Surg 1996; 111: 1063-72.
2. Rodeheaver, G., Ph. D., et al. An Innovative Absorbable Coating for the Polybutester Suture. 2005. Pg 6-11.



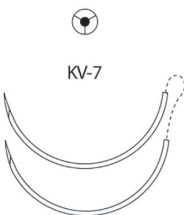
TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
MV-175-8 3/8 Circle 8.0 mm Double-arm		5-0	1	75	30	Blue	36	Surgalloy™	88864741-21V
		7-0	0.5	4×60	24	Blue	12	Surgalloy™	88864788-05V
		7-0	0.7	2×60	24	Blue	12	Surgalloy™	88864795-06V
CV-1 3/8 Circle 9.0 mm Double-arm		7-0	0.5	45	18	Blue	36	Surgalloy™	88864703-01V
		7-0	0.5	60	24	Blue	36	Surgalloy™	88864705-01V
		7-0	0.5	4×60	24	Blue	12	Surgalloy™	88864702-05V
		7-0	0.5	75	30	Blue	36	Surgalloy™	88864704-01V
		7-0	0.5	4×75	30	Blue	12	Surgalloy™	88864701-05V
		6-0	0.7	45	18	Blue	36	Surgalloy™	88864703-11V
		6-0	0.7	60	24	Blue	36	Surgalloy™	88864705-11V
		6-0	0.7	75	30	Blue	36	Surgalloy™	88864704-11V
CV 3/8 Circle 11.0 mm Double-arm		6-0	0.7	75	30	Blue	36	Surgalloy™	88864756-11V
CV-11 3/8 Circle 13.0 mm		5-0	1	75	30	Blue	36	Surgalloy™	88864722-21V
CV-11 3/8 Circle 13.0 mm Double-arm		6-0	0.7	45	18	Blue	36	Surgalloy™	88864707-11V
		6-0	0.7	60	24	Blue	36	Surgalloy™	88864709-11V
		6-0	0.7	75	30	Blue	36	Surgalloy™	88864710-11V
		5-0	1	60	24	Blue	36	Surgalloy™	88864709-21V
		5-0	1	75	30	Blue	36	Surgalloy™	88864710-21V
		5-0	1	90	36	Blue	36	Surgalloy™	88864711-21V
CV-15 3/8 Circle 17.0 mm		5-0	1	75	30	Blue	36	Surgalloy™	88864739-21V
		4-0	1.5	75	30	Blue	36	Surgalloy™	88864739-31V
CV-15 3/8 Circle 17.0 mm Double-arm		5-0	1	90	36	Blue	36	Surgalloy™	88864716-21V
		4-0	1.5	90	36	Blue	36	Surgalloy™	88864716-31V



TAPER POINT

Needles Specifications	Size USP	EP	Length		Color	Units Per box	Comments	Reorder code
			cm	Inches				
CV-22 1/2 Circle 13.0 mm Double-arm		6-0	0.7	4×75 30	Blue	12	Surgalloy™	88864742-15V
		6-0	0.7	75 30	Blue	36	Surgalloy™	88864741-11V
		7-0	0.5	4×60 24	Blue	36	Surgalloy™	88864794-01V
CV-23 1/2 Circle 17.0 mm Double-arm		5-0	1	90 36	Blue	36	Surgalloy™	88864719-21V
		4-0	1.5	90 36	Blue	36	Surgalloy™	88864719-31V
V-20 1/2 Circle 26.0 mm Double-arm		2-0	3	90 36	Blue	36	Surgalloy™	88864750-51V
		3-0	2	90 36	Blue	36	Surgalloy™	88864750-41V
		4-0	1.5	90 36	Blue	36	Surgalloy™	88864750-31V

TAPERCUTTING

Needles Specifications	Size USP	EP	Length		Color	Units Per box	Comments	Reorder code
			cm	Inches				
KV-7 1/2 Circle 26.0 mm		2-0	3	90 36	Blue	36	Surgalloy™	88864730-51V
KV-7 1/2 Circle 26.0 mm Double-arm		4-0	1.5	90 36	Blue	36	Surgalloy™	88864731-31V
		3-0	2	90 36	Blue	36	Surgalloy™	88864731-41V
		2-0	3	90 36	Blue	36	Surgalloy™	88864731-51V
KV-11 3/8 Circle 13.0 mm Double-arm		6-0	0.7	75 30	Blue	36	Surgalloy™	88864734-11V
		5-0	1	75 30	Blue	36	Surgalloy™	88864734-21V
KV-1 3/8 Circle 9.0 mm Double-arm		6-0	0.7	60 24	Blue	36	Surgalloy™	88864714-11V



FLEXON™

Multifilament Temporary Cardiac Pacing Lead

Excellent Stability with Great Flexibility.



- FLEXON™ temporary cardiac pacing leads are specifically designed to insulate the lead and be less traumatic during removal after pacing is complete.
- Breakaway cutting needle after chest wall penetration: eliminates requirement to cut needle and provides convenience to the clinician.
- Maximized area of coating in reference to the pacing lead end: less traumatic during removal of temporary pacing lead.

Tensile Strength

Permanent

Packaging

Available coated with orange or white PTFE or clear FEP in size 0 (3.5 metric), size 2–0 (3 metric) and 3–0 (2 metric). Flexon™ temporary cardiac pacing lead is supplied sterile affixed to various types of needles, including Breakaway™ needles.

Indications

Indicated for use in temporary atrial and ventricular pacing and sensing during and after cardiac surgery.



Description

Flexon™ temporary cardiac pacing lead is a stainless steel twisted, multistrand wire coated with orange or white PTFE poly (tetrafluoroproethylene) or clear FEP poly (tetrafluoroethylene-co- hexafluoropropylene).

Indications

Flexon™ temporary cardiac pacing lead is indicated for use in temporary atrial and ventricular pacing and sensing during and after cardiac surgery.

Actions

Flexon™ temporary cardiac pacing lead elicits minimal acute inflammatory reaction in tissues and is not absorbed.

Tensile Strength

Permanent.

Sterilization

Ethylene oxide.

Packaging

Flexon™ temporary cardiac pacing lead are available coated with orange or white PTFE or clear FEP in size 0 (3.5 metric), size 2-0 (3 metric) and 3-0 (2 metric). Flexon™ temporary cardiac pacing lead is supplied sterile affixed to various types of needles, including Breakaway™ needles.

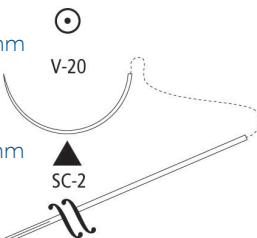
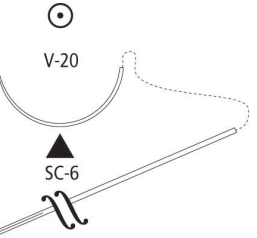
Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

1. IFU indicates tensile strength averages for Velosorb™ Fast sutures are approximately 50% of its original tensile strength 5 days post implantation. All of the original tensile strength is gone by 14 days. Absorption of Velosorb™ Fast sutures is essentially complete between the 40th and 50th day.





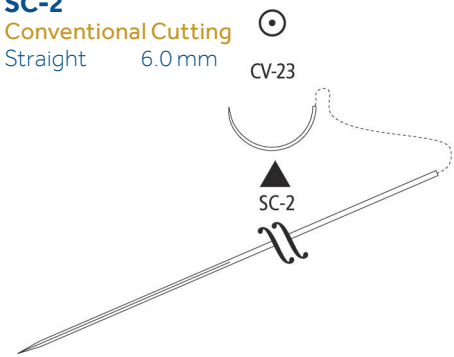
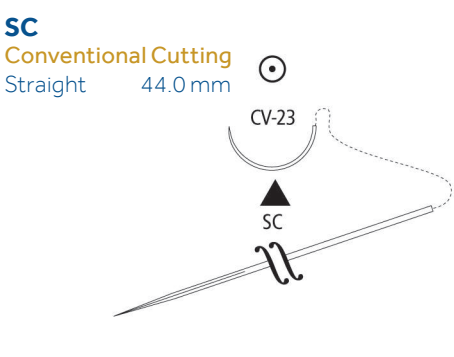
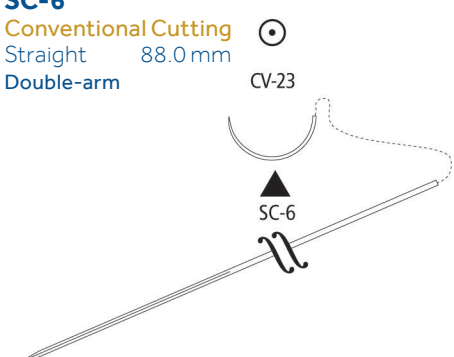
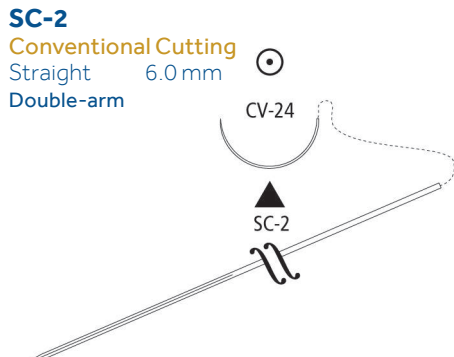
Flexon™

TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
SC-2 Straight 60.0 mm  V-20 Taper Point 1/2 Circle 26.0 mm Double-arm (Not to scale)	0	3.5	60	24	Undyed	12		88862597-63
SC-6 Straight  (Not to scale)	2-0	3	2 × 60	24	1 Orange 1 White	12		88862623-53
	2-0	3	60	24	Orange	12		88862617-53
	2-0	3	60	24	White	12		88862615-53
	0	3.5	60	24	Undyed	12		88862589-63





TAPER POINT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
CV-23 1/2 Circle 17.0 mm	3-0	2	60	24	Undyed	12	FEP Coating	88862592-43
SC-2 Conventional Cutting Straight 6.0 mm								
								
SC Conventional Cutting Straight 44.0 mm								
	3-0	2	60	24	Undyed	12	FEP Coating	88862591-43
SC-6 Conventional Cutting Straight 88.0 mm Double-arm								
								
CV-24 1/2 Circle 20.0 mm								
SC-2 Conventional Cutting Straight 6.0 mm Double-arm	0	3.5	60	24	Undyed	12	FEP Coating	88862593-63
								



STEEL

Monofilament Stainless Steel

Providing Maximum Tensile Strength.



- Rotogrip™ needles (available on some monofilament steel) reduce kinking, making the suture easier to handle and helps prevent breakage at the needle suture junction.
- Mylar™/Tyvek™ outer envelope allows for easy suture removal and arming of needles.
- SCC needle, a very strong and sharp needle, excellent for sternotomy closure.

Tensile Strength

Permanent

Packaging

Available in monofilament strands in size 1 (4 Metric), size 2 (6 metric), size 4 (6 metric) through 7 (9 Metric). The sutures are supplied sterile, in pre-cut lengths affixed to various types of needles using permanent needle attachment technique.

Indications

Indicated for use in abdominal wound closure, hernia repair and sternal closure.

**Description**

Stainless monofilament steel sutures are composed of 316L stainless steel conforming to ASTM Standard F138 Grade 2 "Stainless steel bar and wire for surgical implants."

Indications

Steel sutures are indicated for use in abdominal wound closure, hernia repair and sternal closure.

Actions

Steel sutures elicit a minimal acute inflammatory reaction in tissue, and are not absorbed.

Tensile Strength

Permanent.

Sterilization

Ethylene oxide or gamma irradiation.

Packaging

Steel sutures are available in monofilament strands in size 1 (4 Metric), size 2 (6 metric), size 4 (6 metric) through 7 (9 Metric). The sutures are supplied sterile, in pre-cut lengths affixed to various types of needles using permanent needle attachment technique.

Please refer to the individual package IFUs for complete instructions, indications , contraindications, warnings and precautions.



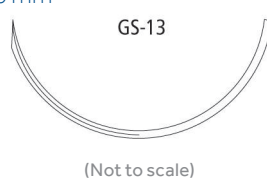
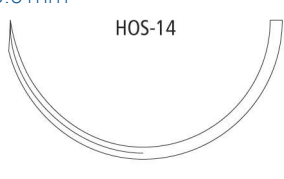


Steel

PRE-CUT

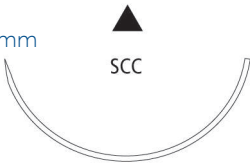
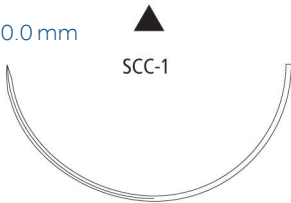
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	2-0	3	12×45	18	Undyed	12	Pre-cut	88862407-53
	0	3.5	12×45	18	Undyed	12	Pre-cut	88862407-63
	1	4	6×45	18	Undyed	12	Pre-cut	88862408-73
	2	5	6×45	18	Undyed	12	Pre-cut	88862408-83
	3-0	2	12×45	18	Undyed	12	Pre-cut	88862407-43
	7	9	12×45	18	Undyed	12	Pre-cut	88862408-73

REVERSE CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-12 1/2 Circle 40.0 mm 	2	5	5×45	18	Undyed	12		88862413-83
GS-13 ROTO 1/2 Circle 48.0 mm  (Not to scale)	2	5	2×45	18	Undyed	12	ROTOGRIP™	88862420-83
	4	6	2×45	18	Undyed	12	ROTOGRIP™	88862420-09
HOS-14 1/2 Circle 55.0 mm  (Not to scale)	5	7	4×45	18	Undyed	12	ROTOGRIP™	88862410-89
	5	7	2×75	30	Undyed	12	ROTOGRIP™	88862424-89
	5	7	75	30	Undyed	12	ROTOGRIP™	88862412-89
	6	8	4×45	18	Undyed	12	ROTOGRIP™	88862410-69





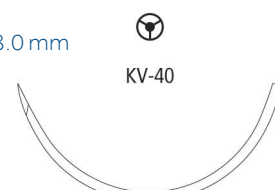
CONVENTIONAL CUTTING								
Needles Specifications	Size		Length		Color	Units	Comments	Reorder code
	USP	EP	cm	Inches				
SCC 1/2 Circle 48.0 mm  SCC	5	7	4 × 45	18	Undyed	12		88862224-89
	5	7	2 × 45	18	Undyed	12		88862222-89
	5	7	6 × 45	18	Undyed	12		88862226-89
	6	8	4 × 45	18	Undyed	12		88862224-69
	6	8	6 × 45	18	Undyed	12		88862226-69
	6	8	2 × 45	18	Undyed	12		88862222-69
	7	9	4 × 45	18	Undyed	12		88862224-49
SCC-1 1/2 Circle 60.0 mm  SCC-1	5	7	2 × 75	30	Undyed	12		88862228-89



TAPER POINT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-21 1/2 Circle 37.0 mm  GS-21	2-0	3	5 × 45	18	Undyed	12		88862345-53
GS-25 1/2 Circle 48.0 mm  GS-25	2-0	3	5 × 60	24	Undyed	12		88862348-53

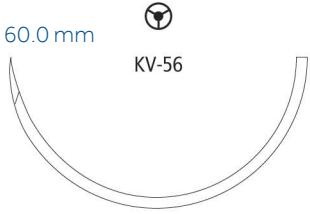
TAPERCUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
KV-37 1/2 Circle 40.0 mm  KV-37	2	5	5 × 45	18	Undyed	12		88862382-83
KV-40 1/2 Circle 48.0 mm  (Not to scale)	3	6	5 × 45	18	Undyed	12		88862466-25
	5	7	4 × 45	18	Undyed	12		88862414-89
	5	7	4 × 45	18	Undyed	12	ROTOGRIP	88862393-89
	5	7	2 × 45	18	Undyed	12		88862376-89
	6	8	2 × 45	18	Undyed	12		88862392-69
	6	8	4 × 45	18	Undyed	12		88862393-69
	7	9	2 × 45	18	Undyed	12		88862392-49





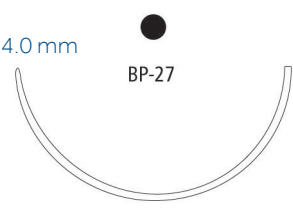
TAPERCUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
KV-56 1/2 Circle 60.0 mm 	5	7	5 × 75	30	Undyed	12		88862396-89

BLUNT TAPER POINT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
BGS-26 1/2 Circle 44.0 mm  (Not to scale)	5	7	75	30	Undyed	12	ProtectPoint™	88862497-89
BGS-29 1/2 Circle 63.0 mm 	5	7	5 × 45	18	Undyed	12	ProtectPoint™	88862495-89

BLUNT POINT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
BP-27 1/2 Circle 64.0 mm 	5	7	2 × 75	30	None	12	ProtectPoint™	88862494-89



DERMALON™ / MONOSOF™

Monofilament Nylon

High Tensile Strength. Low tissue Reactivity.



The advanced extrusion process of the nylon molecule gives the suture:

- Uniform diameter
- Maximum flexibility of the strand
- Excellent security with snug and flattened knots
- Minimal memory
- Excellent and consistent knotting strength

Tensile Strength

As with any nylon suture, though not absorbed, progressive hydrolysis of the suture, in vivo, may result in gradual loss of its tensile strength over time.

Packaging

Available dyed blue with FD&C Blue No. 2 in sizes 2–0 (3 Metric) through 6–0 (0.7 metric). MONOSOF™ monofilament nylon sutures are available either clear (undyed) or dyed black with Logwood extract, in sizes 2 (5 Metric) through 11–0 (0.1 Metric). Both sutures are supplied sterile, in pre-cut lengths affixed to needles using permanent needle attachment techniques.

Indications

Indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic, and neurological surgery.



Description	DERMALON™ and MONOSOF™ monofilament sutures are inert, nonabsorbable, sterile surgical sutures composed of the longchain aliphatic polymers Nylon 6 and Nylon 6.6.
Indications	DERMALON™ and MONOSOF™ monofilament nylon sutures are indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic, and neurological surgery.
Actions	Both DERMALON™ and MONOSOF™ monofilament nylon sutures elicit a minimal acute inflammatory reaction in tissue, which is followed by gradual encapsulation of the suture by fibrous connective tissue.
Tensile Strength	As with any nylon suture, though not absorbed, progressive hydrolysis of the suture, in vivo, may result in gradual loss of its tensile strength over time.
Sterilization	DERMALON™ and MONOSOF™ monofilament nylon sutures are sterilized by ethylene oxide or gamma irradiation.
Packaging	DERMALON™ monofilament nylon sutures are available dyed blue with FD&C Blue No. 2 in sizes 2-0 (3 Metric) through 6-0 (0.7 metric). MONOSOF™ monofilament nylon sutures are available either clear (undyed) or dyed black with Logwood extract, in sizes 2 (5 Metric) through 11-0 (0.1 Metric). Both sutures are supplied sterile, in pre-cut lengths affixed to needles using permanent needle attachment techniques.

Please refer to the individual package IFUs for complete instructions, indications , contraindications, warnings and precautions.



Dermalon™ / Monosof™

Dermalon™ / Monosof™ suture is a brand you have trusted for ~ 50 years with a proven history of performance.

PRE-CUT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	3-0	2	12×45	18	Black	36	Pre-cut	N-63
	2-0	3	6×45	18	Black	36	Pre-cut	N-59
	2	5	6×45	18	Black	36	Pre-cut	N-64

REVERSE CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-1 3/8 Circle 12.0 mm 	6-0	0.7	25	10	Black	12		SN-770G
	6-0	0.7	45	18	Black	12		SN-667G
	6-0	0.7	45	18	Black	36		SN-667
	6-0	0.7	45	18	Blue	36		88861741-11
	6-0	0.7	75	30	Black	36		SN-367
	5-0	1	25	10	Black	12		SN-771G
	5-0	1	45	18	Black	36		SN-871
	5-0	1	45	18	Blue	36		88861741-21
	5-0	1	75	30	Black	36		SN-368
	4-0	1.5	25	10	Black	12		SN-772G
	4-0	1.5	45	18	Black	36		SN-872
	4-0	1.5	45	18	Blue	36		88861741-31



REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-12 3/8 Circle 16.0 mm 	6-0	0.7	45	18	Blue	36		88861747-11
	6-0	0.7	45	18	Black	36		SN-660
	6-0	0.7	75	30	Black	36		SN-760
	5-0	1	45	18	Black	36		SN-659
	5-0	1	45	18	Black	12		SN-659G
	5-0	1	75	30	Black	36		SN-761
	4-0	1.5	75	30	Black	36		SN-762
	3-0	2	75	30	Black	36		SN-763
C-13 3/8 Circle 19.0 mm 	6-0	0.7	45	18	Blue	36		88861756-11
	5-0	1	45	18	Blue	36		88861756-21
	5-0	1	45	18	Black	12		SN-661G
	5-0	1	45	18	Black	36		SN-661
	5-0	1	75	30	Black	36		SN-643
	4-0	1.5	25	10	Black	12		SN-552G
	4-0	1.5	45	18	Black	12		SN-662G
	4-0	1.5	45	18	Black	36		SN-662
	4-0	1.5	45	18	Blue	36		88861756-31
	4-0	1.5	75	30	Blue	36		88861757-31
	4-0	1.5	90	36	Black	36		SN-644
	3-0	2	45	18	Black	36		SN-653
	3-0	2	45	18	Blue	36		88861756-41
	3-0	2	75	30	Black	36		SN-641
	3-0	2	75	30	Blue	36		88861757-41
	3-0	2	90	36	Black	36		SN-665
	2-0	3	45	18	Blue	36		88861756-51
	2-0	3	75	30	Black	36		SN-750
	2-0	3	90	36	Black	36		SN-666

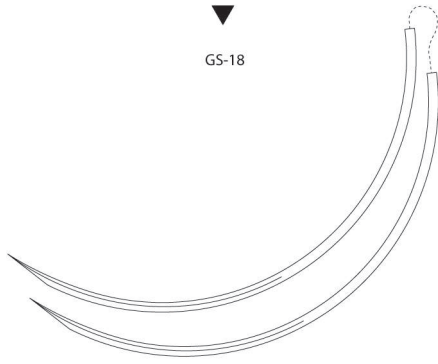




REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-14 3/8 Circle 24.0 mm 	4-0	1.5	45	18	Black	36		SN-658
	4-0	1.5	45	18	Blue	36		88861744-31
	4-0	1.5	75	30	Blue	36		88861799-31
	4-0	1.5	90	36	Black	36		SN-649
	3-0	2	45	18	Black	12		SN-663G
	3-0	2	45	18	Black	36		SN-663
	3-0	2	45	18	Blue	36		88861744-41
	3-0	2	75	30	Blue	36		88861799-41
	3-0	2	75	30	Black	36		SN-669
	3-0	2	90	36	Black	36		SN-648
	2-0	3	45	18	Black	36		SN-758
	2-0	3	75	30	Undyed	36		88861799-51
	2-0	3	90	36	Black	36		SN-747
C-15 3/8 Circle 26.0 mm 	2-0	3	45	18	Black	12		SN-764G
	2-0	3	45	18	Black	36		SN-764
	2-0	3	45	18	Blue	36		88861744-51
	2-0	3	75	30	Black	12		SN-664G
	2-0	3	75	30	Black	36		SN-664
	2-0	3	90	36	Blue	36		88861720-51
	0	3.5	75	30	Black	36		SN-765
C-16 3/8 Circle 30.0 mm 	4-0	1.5	75	30	Black	36		SN-670
	3-0	2	75	30	Blue	36		88861750-41
	3-0	2	75	30	Black	12		SN-671G
	3-0	2	75	30	Black	36		SN-671
	3-0	2	90	36	Black	36		SN-771
	2-0	3	75	30	Black	36		SN-688
	2-0	3	90	36	Black	36		SN-788
	0	3.5	75	30	Black	36		SN-689
	1	4	90	36	Black	36		SN-790

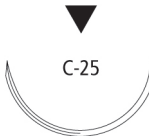




REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
C-18 3/8 Circle 35.0 mm 	3-0	2	90	36	Black	36		SN-693	
	2-0	3	90	36	Black	36		SN-694	
C-17 3/8 Circle 39.0 mm 	4-0	1.5	75	30	Black	36		SN-672	
	3-0	2	75	30	Black	12		SN-673G	
	3-0	2	75	30	Black	36		SN-673	
	3-0	2	75	30	Blue	36		88861727-41	
	2-0	3	75	30	Blue	36		88861727-51	
	2-0	3	75	30	Black	36		SN-674	
	0	3.5	90	36	Black	36		SN-775	
	1	4	90	36	Black	36		SN-776	
	2	5	90	36	Black	36		SN-777	
GS-18 3/8 Circle 77.0 mm 	2	5	45	18	Black	24	With bolster and weight	CN-290	
GS-18 3/8 Circle 77.0 mm Double-arm 	2	5	75	30	Black	24		CN-490	





REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
C-22 1/2 Circle 20.0 mm 			5-0	1	75	30	Black	36		SN-629
			4-0	1.5	75	30	Black	36		SN-630
			3-0	2	75	30	Black	36		SN-631
C-23 1/2 Circle 24.0 mm 			3-0	2	90	36	Black	36		SN-247
C-25 1/2 Circle 30.0 mm 			3-0	2	75	30	Black	36		SN-681
			3-0	2	90	36	Black	36		SN-781
			2-0	3	75	30	Black	36		SN-682
			2-0	3	90	36	Black	36		SN-782
GS-11 1/2 Circle 37.0 mm 			3-0	2	90	36	Black	36		SN-881
			2-0	3	75	30	Black	36		CN-819
			1	4	90	36	Black	36		CN-822





PREMIUM REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
P-16 3/8 Circle 7.0 mm		7-0	0.5	45	18	Black	12			SN-1647G
		7-0	0.5	45	18	Black	36			SN-1647
P-10 3/8 Circle 11.0 mm		7-0	0.5	45	18	Black	12	Surgalloy™		SN-3686
		6-0	0.7	45	18	Black	12	Surgalloy™		SN-3697
		6-0	0.7	45	18	Clear	12	Surgalloy™		SN-1689G
		6-0	0.7	45	18	Black	36	Surgalloy™		SN-5697
		6-0	0.7	45	18	Clear	36	Surgalloy™		SN-1689
		6-0	0.7	45	18	Blue	12			88861754-13
		5-0	1	45	18	Black	12	Surgalloy™		SN-3695
P-13 3/8 Circle 13.0 mm		6-0	0.7	45	18	Black	36	Surgalloy™		SN-5696
		6-0	0.7	45	18	Black	12	Surgalloy™		SN-5696G
		6-0	0.7	45	18	Blue	12	Surgalloy™		SDN-5696G
		5-0	1	45	18	Black	12	Surgalloy™		SN-5698G
		5-0	1	45	18	Clear	12	Surgalloy™		SN-5690G
		5-0	1	45	18	Black	36	Surgalloy™		SN-5698
		5-0	1	45	18	Clear	36	Surgalloy™		SN-5690
		5-0	1	45	18	Blue	12	Surgalloy™		88861749-24
		4-0	1.5	45	18	Black	12	Surgalloy™		SN-5699G
		4-0	1.5	45	18	Black	36	Surgalloy™		SN-5699
		4-0	1.5	45	18	Clear	36	Surgalloy™		SN-5691
		4-0	1.5	45	18	Blue	12	Surgalloy™		SDN-5691G
P-11 3/8 Circle 16.0 mm		6-0	0.7	45	18	Black	12	Surgalloy™		SN-5767G
		5-0	1	45	18	Black	12	Surgalloy™		SN-5668G
		5-0	1	45	18	Black	36	Surgalloy™		SN-5668
		4-0	1.5	45	18	Black	12	Surgalloy™		SN-5694G
		4-0	1.5	45	18	Black	36	Surgalloy™		SN-5694





PREMIUM REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-12 3/8 Circle 19.0 mm 	6-0	0.7	45	18	Black	12	Surgalloy™	SN-5665G
	5-0	1	45	18	Black	12	Surgalloy™	SN-5666G
	5-0	1	45	18	Black	36	Surgalloy™	SN-5666
	4-0	1.5	45	18	Clear	12	Surgalloy™	SN-5677
	4-0	1.5	45	18	Black	12	Surgalloy™	SN-5667G
	4-0	1.5	45	18	Black	36	Surgalloy™	SN-5667
	4-0	1.5	45	18	Blue	12	Surgalloy™	SDN-5666G
	3-0	2	45	18	Black	12	Surgalloy™	SN-5669G
	3-0	2	45	18	Black	36	Surgalloy™	SN-5669
	2-0	3	45	18	Black	36	Surgalloy™	SN-5670





PREMIUM REVERSE CUTTING											
Needles Specifications				Size		Length		Color	Units Per box	Comments	Reorder code
				USP	EP	cm	Inches				
P-14 3/8 Circle 24.0 mm 	4-0	1.5	45	18	Black	12	Surgalloy™	SN-5862G			
	3-0	2	45	18	Black	12	Surgalloy™	SN-5663G			
	3-0	2	45	18	Black	36	Surgalloy™	SN-5663			
	3-0	2	45	18	Blue	12	Surgalloy™	SDN-5943G			
P-24 1/2 Circle 16.0 mm 	6-0	0.7	45	18	Black	12	Surgalloy™	SN-5660G			
	4-0	1.5	45	18	Black	12	Surgalloy™	SN-5662G			
	4-0	1.5	45	18	Black	36	Surgalloy™	SN-5662			

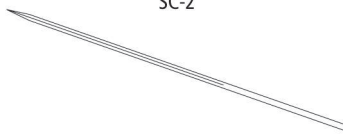




CONVENTIONAL CUTTING										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches		Per box		
PC-13 3/8 Circle 11.0 mm		6-0	0.7	45	18	Black	36		SN-1956	
		5-0	1	45	18	Black	36		SN-1955	
		4-0	1.5	45	18	Black	36		SN-1954	
PC-11 3/8 Circle 16.0 mm		6-0	0.7	45	18	Black	36		SN-1966	
		5-0	1	45	18	Black	12	Surgalloy™	SN-3965	
		4-0	1.5	45	18	Black	36		SN-1964	
PC-12 3/8 Circle 19.0 mm		5-0	1	45	18	Black	36		SN-1995	
		4-0	1.5	45	18	Black	36		SN-1994	
		3-0	2	45	18	Black	36		SN-1693	
SCE-4 3/8 Circle 19.0 mm		5-0	1	45	18	Blue	36		88861742-21	
		4-0	1.5	45	18	Blue	36		88861742-31	
		4-0	1.5	45	18	Black	36		SN-568	
		3-0	2	45	18	Blue	36		88861742-41	
GCC-90 3/8 Circle 90.0 mm		2-0	3	100	40	Black	36		CN-791	
		0	3.5	100	40	Black	36		CN-792	
		1	4	100	40	Black	36		CN-793	





CONVENTIONAL CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
SC-1 Straight 51.0 mm ▲ SC-1 	4-0	1.5	90	36	Black	36		SN-615
	3-0	2	90	36	Black	36		SN-616
	2-0	3	90	36	Black	36		SN-617
SC-2 Straight 60.0 mm ▲ SC-2 	3-0	2	75	30	Black	36		SN-627
	3-0	2	75	30	Blue	36		88861764-41
	2-0	3	75	30	Black	36		SN-628
	2-0	3	75	30	Blue	36		88861764-51
	2-0	3	100	40	Black	36		SN-728





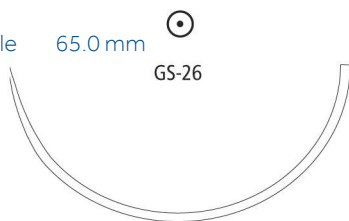
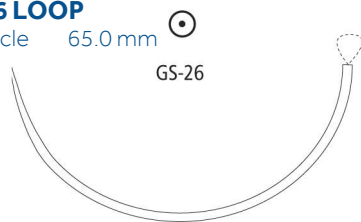
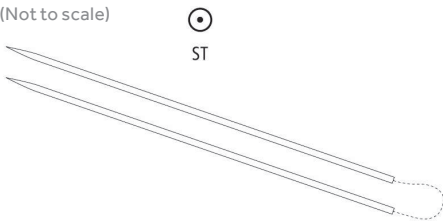
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
MV-50-3 3/8 Circle 4.0 mm	 MV-50-3 	11-0	0.1	13	5	Black	12	Surgalloy™	N-2500	
MV-70-3 3/8 Circle 4.0 mm	 MV-70-3 	11-0	0.1	13	5	Black	12	Surgalloy™	N-2510	
		10-0	0.2	13	5	Black	12	Surgalloy™	N-2512	
MV-135-3 3/8 Circle 4.0 mm	 MV-135-3 	10-0	0.2	13	5	Black	12	Surgalloy™	N-2540	
		9-0	0.3	8	3	Black	12	Surgalloy™	N-1603G	
		8-0	0.4	13	5	Black	12	Surgalloy™	N-2541	
MV-70-4 3/8 Circle 5.0 mm	 MV-70-4 	10-0	0.2	13	5	Black	12	Surgalloy™	N-2514	
MV-100-4 3/8 Circle 5.0 mm	 MV-100-4 	10-0	0.2	13	5	Black	12	Surgalloy™	N-2530	
		9-0	0.3	13	5	Black	12	Surgalloy™	N-2532	
MV-135-4 3/8 Circle 5.0 mm	 MV-135-4 	10-0	0.2	13	5	Black	12	Surgalloy™	N-2544	
		9-0	0.3	13	5	Black	12	Surgalloy™	N-2546	
		8-0	0.4	13	5	Black	12	Surgalloy™	N-2543	
MV-135-5 3/8 Circle 6.0 mm	 MV-135-5 	9-0	0.3	13	5	Black	12	Surgalloy™	N-2548	
		8-0	0.4	13	5	Black	12	Surgalloy™	N-2547	





TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
GS-22 1/2 Circle 27.0 mm		GS-22	0	3.5	100	40	Black	36		CN-225
GS-24 1/2 Circle 40.0 mm		GS-24	0	3.5	100	40	Black	36		CN-723
			1	4	100	40	Black	36		CN-722
GS-24 LOOP 1/2 Circle 40.0 mm		GS-24	0	3.5	150	60	Black	24	Loop	CN-825-L



TAPER POINT									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
GS-25 1/2 Circle 48.0 mm 		1	4	100	40	Black	36		CN-724
GS-25 LOOP 1/2 Circle 48.0 mm 		1	4	150	60	Black	24	Loop	CN-830-L
GS-26 1/2 Circle 65.0 mm 		1	4	150	60	Black	24		CN-824
		2	5	150	60	Black	24		CN-825
GS-26 LOOP 1/2 Circle 65.0 mm 		0	3.5	240	96	Black	24	Loop	CN-823-L
ST Straight Double-arm 60.0 mm (Not to scale) 		2-0	3	90	36	Black	36		GN-283
		0	3.5	90	36	Black	36		GN-284





HEAVY TAPER POINT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
HGS-22 1/2 Circle 27.0 mm 	0	3.5	100	40	Black	36		CN-925
	1	4	100	40	Black	36		CN-926

TAPERCUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
MVK-70-3 3/8 Circle 4.0 mm 	10-0	0.2	13	5	Black	12	Surgalloy™	N-2513
MVK-100-4 3/8 Circle 5.0 mm 	10-0	0.2	13	5	Black	12	Surgalloy™	N-2531
	9-0	0.3	13	5	Black	12	Surgalloy™	N-2533

BLUNT POINT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
BGS-25 1/2 Circle 48.0 mm 	1	4	100	40	Black	36	ProtectPoint™	CN-771



PREMIUM SPATULA										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
SE-100-8 1/4 Circle 6.3 mm Double-arm	 SE-100-8 	8-0	0.4	30	12	Black	12	Surgalloy™	N-2714K	
SS-24 1/4 Circle 8.6 mm Double-arm	 SS-24 	5-0	1	45	18	Black	12	Surgalloy™	N-2781K	
SE-140-6 3/8 Circle 6.3 mm	 SE-140-6 	10-0	0.2	20	8	Black	12	Surgalloy™	N-2730-K	
SE-140-6 3/8 Circle 6.3 mm Double-arm	 SE-140-6 	10-0	0.2	30	12	Black	12	Surgalloy™	N-2770-K	
		9-0	0.3	30	12	Black	12	Surgalloy™	N-2771-K	
SE-140-8 3/8 Circle 6.3 mm	 SE-140-8 	10-0	0.2	20	8	Black	12	Surgalloy™	N-2736K	
SE-140-8 3/8 Circle 6.3 mm Double-arm	 SE-140-8 	10-0	0.2	30	12	Black	12	Surgalloy™	N-2718K	
		9-0	0.3	30	12	Black	12	Surgalloy™	N-2717-K	
SE-CC-6 Compound curve 4.8 mm Double-arm	 SE-CC-6 	10-0	0.2	30	12	Black	12	Surgalloy™	N-2799-K	
SE-160-4 1/2 Circle 5.5 mm Double-arm	 SE-160-4 	11-0	0.1	30	12	Black	12	Surgalloy™	N-2705K	
		10-0	0.2	30	12	Black	12	Surgalloy™	N-2704K	





SPATULA										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches		Per box		
SE-160-6 1/2 Circle 5.5 mm	 SE-160-6		10-0	0.2	20	8	Black	12	Surgalloy™	N-2734K
SE-160-6 1/2 Circle 5.5 mm Double-arm	 SE-160-6		10-0	0.2	15	6	Black	12	Surgalloy™	N-2757K
			10-0	0.2	30	12	Black	12	Surgalloy™	N-2756K
			9-0	0.3	30	12	Black	12	Surgalloy™	N-2760K
SE-160-8 1/2 Circle 5.5 mm	 SE-160-8		10-0	0.2	15	6	Black	12	Surgalloy™	N-2766K
SE-160-8 1/2 Circle 5.5 mm Double-arm	 SE-160-8		10-0	0.2	30	12	Black	12	Surgalloy™	N-2786K
			9-0	0.3	30	12	Black	12	Surgalloy™	N-2787K
SE-175-8 1/2 Circle 6.9 mm Double-arm	 SE-175-8		10-0	0.2	30	12	Black	12	Surgalloy™	N-2719K
			8-0	0.4	30	12	Black	12	Surgalloy™	N-2716K
SE-175-6 1/2 Circle 7.0 mm Double-arm	 SE-175-6		10-0	0.2	30	12	Black	12		N-2966K
			9-0	0.3	30	12	Black	12	Surgalloy™	N-2967
SS-2 1/2 Circle 8.6 mm Double-arm	 SS-2		5-0	1	45	18	Black	12	Surgalloy™	N-2761K



NOVAFIL™

Monofilament Polybutester

Supple and Flexible. Stretches with Healing.



SUPPLE & FLEXIBLE

- With less memory and less resistant against creep structural fatigue³
- Easier to work with and handle for the user^{1,3}

HYDROPHOBIC

- Repels water, doesn't absorb body fluids¹
- Easier removal

ELASTICITY

- Stretches with edema and returns to its original shape when swelling subsides¹
- Better cosmesis¹, and reduced risk of hypertrophic scarring^{2*}

Tensile Strength

Novafil™ polybutester sutures are not absorbed, nor is any significant change in tensile strength retention known to occur in vivo.

Packaging

Available clear or pigmented with Copper Phthalocyanine Blue, in sizes 1 (4 Metric), size 2–0 (metric 3) through 7–0 (0.5 Metric). The sutures are supplied sterile, in pre-cut lengths affixed to reverse cutting needle type using permanent needle attachment techniques.

Indications

Indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular and ophthalmic surgery, but not in microsurgery and neural tissue.



Description

Novafil™ monofilament polybutester sutures are nonabsorbable, sterile, surgical sutures composed of a copolymer of butylene terephthalate and polytetramethylene ether glycol.

Indications

Novafil™ polybutester sutures are indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular and ophthalmic surgery, but not in microsurgery and neural tissue.

Actions

Novafil™ polybutester sutures elicit a minimal acute inflammatory reaction in tissues, followed by gradual encapsulation of the suture by fibrous connective tissue.

Tensile Strength

Novafil™ polybutester sutures are not absorbed, nor is any significant change in tensile strength retention known to occur in vivo.

Sterilization

Gamma irradiation.

Packaging

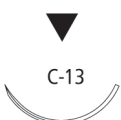
Novafil™ polybutester sutures are available clear or pigmented with Copper Phthalocyanine Blue, in sizes 1 (4 Metric), size 2-0 (metric 3) through 7-0 (0.5 Metric). The sutures are supplied sterile, in pre-cut lengths affixed to reverse cutting needle type using permanent needle attachment techniques. Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.



Novafil™

Novafil™ suture is a brand you have trusted for
~ 30 years with a proven history of performance..

REVERSE CUTTING									
Needles Specifications	Size USP	EP	Length		Color	Units Per box	Comments	Reorder code	
			cm	Inches					
C-1 3/8 Circle 12.0 mm 	6-0	0.7	45	18	Blue	12		8886441913	
	5-0	1	45	18	Blue	12		8886441923	
	4-0	1.5	45	18	Blue	12		8886441933	
C-12 3/8 Circle 16.0 mm 	5-0	1	45	18	Blue	12		88864555-23	
C-13 3/8 Circle 19.0 mm 	6-0	0.7	45	18	Blue	12	455	8886442013	
	5-0	1	45	18	Blue	12		8886442023	
	4-0	1.5	45	18	Blue	12		8886442033	
	4-0	1.5	75	30	Blue	36		8886403231	
	3-0	2	45	18	Blue	12		8886442043	
	3-0	2	75	30	Blue	36		88864554-41	
C-14 3/8 Circle 24.0 mm 	4-0	1.5	45	18	Blue	12		8886442233	
	3-0	2	45	18	Blue	12		8886442243	
	3-0	2	90	36	Blue	36		8886400241	
	2-0	3	45	18	Blue	12		8886442253	
	2-0	3	75	30	Blue	12		8886442153	



REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-16 3/8 Circle 30.0 mm  C-16	4-0	1.5	75	30	Blue	36		8886442431
	3-0	2	75	30	Blue	36		8886442441
	2-0	3	75	30	Blue	36		8886442451
	0	3.5	75	30	Blue	36		8886442461
C-17 3/8 Circle 39.0 mm  C-17	3-0	2	75	30	Blue	36		8886442641
	2-0	3	75	30	Blue	36		8886442651
	0	3.5	75	30	Blue	36		8886442661
GS-11 1/2 Circle 37.0 mm  GS-11	0	3.5	100	40	Blue	12		8886400963
	1	4	75	30	Blue	36		8886443371
GS-13 1/2 Circle 48.0 mm (Not to scale)  GS-13	1	4	75	30	Blue	36		8886443671
	1	4	100	40	Blue	12		CPB-738G





PREMIUM REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
P-10 3/8 Circle 11.0 mm		7-0	0.5	45	18	Blue	12	Surgalloy™	8886441003	
		6-0	0.7	45	18	Blue	12	Surgalloy™	8886441013	
		5-0	1	45	18	Blue	12	Surgalloy™	8886441023	
P-13 3/8 Circle 13.0 mm		6-0	0.7	45	18	Blue	12	Surgalloy™	SPB-1213G	
		5-0	1	45	18	Blue	12	Surgalloy™	SPB-5223G	
		5-0	1	75	30	Blue	36	Surgalloy™	8886402721	
		4-0	1.5	45	18	Blue	12	Surgalloy™	SPB-1233G	
SBE-2 3/8 Circle 13.0 mm		6-0	0.7	45	18	Blue	12		8886440013	
		5-0	1	45	18	Blue	12		8886440023	
P-11 3/8 Circle 16.0 mm		6-0	0.7	45	18	Blue	12	Surgalloy™	SPB-5413G	
		5-0	1	45	18	Blue	12	Surgalloy™	SPB-5142G	
		5-0	1	75	30	Blue	36	Surgalloy™	8886402821	
		4-0	1.5	45	18	Blue	12	Surgalloy™	SPB-5143G	
		4-0	1.5	45	18	Blue	36	Surgalloy™	8886441431	
		4-0	1.5	75	30	Blue	36	Surgalloy™	8886402831	
SBE-3 3/8 Circle 16.0 mm		6-0	0.7	45	18	Blue	12		8886440113	
		5-0	1	45	18	Blue	12		8886440123	
		4-0	1.5	45	18	Blue	12		8886440133	

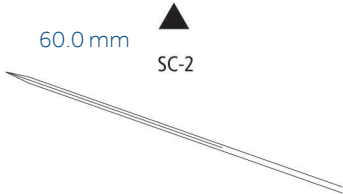




PREMIUM REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches		Per box		
P-12 3/8 Circle 19.0 mm		5-0	1	45	18	Blue	12	Surgalloy™	SPB-1623G	
		4-0	1.5	45	18	Blue	12	Surgalloy™	SPB-5633G	
		4-0	1.5	75	30	Blue	36	Surgalloy™	8886442531	
		3-0	2	45	18	Blue	12	Surgalloy™	SPB-1643G	
		3-0	2	45	18	Blue	36	Surgalloy™	8886441543	
SBE-4 3/8 Circle 19.0 mm		5-0	1	45	18	Blue	12		8886440223	
		4-0	1.5	45	18	Blue	12		8886440233	
		3-0	2	45	18	Blue	12		8886440243	
P-14 3/8 Circle 24.0 mm		4-0	1.5	45	18	Blue	12	Surgalloy™	SPB-5833G	
		3-0	2	45	18	Blue	12	Surgalloy™	SPB-5843G	
		3-0	2	75	30	Blue	36	Surgalloy™	88864582-43	
		2-0	3	45	18	Blue	12	Surgalloy™	88864418-53	
		2-0	3	75	30	Blue	36	Surgalloy™	88864582-53	
SBE-6 3/8 Circle 24.0 mm		4-0	1.5	45	18	Blue	12		8886440333	
		3-0	2	45	18	Blue	12		8886440343	
P-24 1/2 Circle 16.0 mm		4-0	1.5	45	18	Clear	12	Surgalloy™	SPB-5433G	



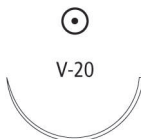
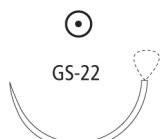
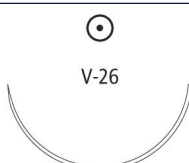


CONVENTIONAL CUTTING											
Needles Specifications				Size		Length		Color	Units Per box	Comments	Reorder code
				USP	EP	cm	Inches				
PC-12 3/8 Circle 19.0 mm 			5-0	1	45	18	Blue	12		SPB-1945G	
SC-2 Straight 60.0 mm 			3-0	2	75	30	Blue	36		88864490-41	
			2-0	3	75	30	Blue	36		88864490-51	

X CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
DX-11 3/8 Circle 11.0 mm	 DX-11 	6-0	0.7	45	18	Blue	12	DermaX	XNF-697	
DX-16 3/8 Circle 16.0 mm	 DX-16 	6-0	0.7	45	18	Blue	12	DermaX	XNF-1966	
		5-0	1	45	18	Blue	12	DermaX	XNF-1965	
		4-0	1.5	45	18	Blue	12	DermaX	XNF-1964	
DX-19 3/8 Circle 19.0 mm	 DX-19 	5-0	1	45	18	Blue	12	DermaX	XNF-1995	
		4-0	1.5	45	18	Blue	12	DermaX	XNF-1994	
		3-0	2	45	18	Blue	12	DermaX	XNF-1993	





TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
V-20 1/2 Circle 26.0 mm 			3-0	2	75	30	Blue	36	Surgalloy™	8886445241
			2-0	3	75	30	Blue	36	Surgalloy™	8886445251
			0	3.5	75	30	Blue	36	Surgalloy™	8886445261
GS-22 1/2 Circle 27.0 mm 			2-0	3	75	30	Blue	36		8886445951
			2-0	3	5×45	18	Blue	12	D-Tach™	8886445853
			0	3.5	5×45	18	Blue	12	D-Tach™	8886445863
			0	3.5	75	30	Blue	36		8886445961
			1	4	75	30	Blue	36		8886445971
GS-22 LOOP 1/2 Circle 27.0 mm 			2-0	3	150	60	Blue	36	Loop	88864619-51
V-26 1/2 Circle 37.0 mm 			3-0	2	75	30	Blue	36		8886445041
GS-21 1/2 Circle 37.0 mm 			0	3.5	5×45	18	Blue	12	D-Tach™	8886445463
			0	3.5	75	30	Blue	36		8886445561
			1	4	5×45	18	Blue	12	D-Tach™	8886445473
			1	4	75	30	Blue	36		8886445571
GS-24 1/2 Circle 40.0 mm 			1	4	75	30	Blue	36		88864463-71





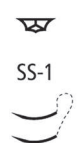
TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-25 1/2 Circle 48.0 mm (Not to scale) 	2	5	75	30	Blue	36		88864465-81
	1	4	5×45	18	Blue	12	D-Tach™	88864464-73
	1	4	75	30	Blue	36		88864465-71
GS-25 LOOP 1/2 Circle 48.0 mm 	0	3.5	200	80	Blue	12	Loop	88864538-63
GS-26 1/2 Circle 65.0 mm 	2	5	150	60	Blue	36		88864470-81
GS-26 LOOP 1/2 Circle 65.0 mm 	0	3.5	150	60	Blue	36	Loop	8886440861



HEAVY TAPER POINT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
HGS-22 1/2 Circle 27.0 mm  HGS-22	0	3.5	5×45	18	Blue	12	D-Tach™	8886446063

SPATULA

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
SS-1 1/6 Circle 5.6 mm Double-arm  SS-1	5-0	1	30	12	Blue	12	Surgalloy™	PB-7740K
SS-24 1/4 Circle 8.6 mm Double-arm  SS-24	6-0	0.7	30	12	Blue	12	Surgalloy™	PB-6713K
	5-0	1	30	12	Blue	12	Surgalloy™	PB-6723K

SURGILON™

Braided Nylon

Coated with Silicone to Enhance Handling.



The advanced extrusion process of the nylon molecule gives the suture:

- Uniform diameter
- Maximum flexibility of the strand
- Excellent security with snug and flattened knots
- Minimal memory
- Excellent and consistent knotting strength

Tensile Strength

As with any nylon suture, though not absorbed, progressive hydrolysis of the suture, in vivo, may result in gradual loss of its tensile strength over time.

Packaging

Available dyed black in sizes 1 (4 Metric) through 4-0 (1.5 Metric) and size 6-0 (0.7 metric). The sutures are supplied sterile, in pre-cut lengths or affixed to needles using both permanent and removable needle attachment techniques.

Indications

Indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic, and neurological surgery.



Description

SURGILON™ braided sutures are inert, nonabsorbable, sterile sutures composed of the long-chain aliphatic polymers Nylon 6 and Nylon 6.6. The braided sutures are coated uniformly with silicone to enhance handling characteristics, ease of passage through tissue and reduction of capillarity.

Indications

SURGILON™ braided nylon sutures are indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic, and neurological surgery.

Actions

SURGILON™ braided nylon sutures all elicit a minimal acute inflammatory reaction in tissue, which is followed by gradual encapsulation of the suture by fibrous connective tissue.

Tensile Strength

As with any nylon suture, though not absorbed, progressive hydrolysis of the suture, in vivo, may result in gradual loss of its tensile strength over time.

Sterilization

Surgilon™ braided nylon sutures are sterilized by ethylene oxide in sizes 6-0 (0.7 metric) and smaller and by gamma irradiation in sizes 2 (5 metric) through 5-0 (1 metric).

Packaging

SURGILON™ braided nylon sutures are available dyed black in sizes 1 (4 Metric) through 4-0 (1.5 Metric) and size 6-0 (0.7 metric). The sutures are supplied sterile, in pre-cut lengths or affixed to needles using both permanent and removable needle attachment techniques.

Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.



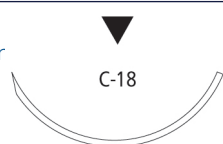
PRE-CUT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	4-0	1.5	12×45	18	Black	36	Pre-cut, RACETRAC	88861918-31
	4-0	1.5	7×75	30	Black	36	Pre-cut	88861919-31
	3-0	2	12×45	18	White	36	Pre-cut, RACETRAC	88861899-41
	3-0	2	12×45	18	Black	36	Pre-cut, RACETRAC	88861918-41
	3-0	2	7×75	30	Black	36	Pre-cut	88861919-41
	2-0	3	12×45	18	White	36	Pre-cut, RACETRAC	88861899-51
	2-0	3	12×45	18	Black	36	Pre-cut, RACETRAC	88861918-51
	2-0	3	7×75	30	Black	36	Pre-cut	88861919-51
	0	3.5	6×45	18	Black	36	Pre-cut, RACETRAC	88861917-61
	0	3.5	6×45	18	White	36	Pre-cut, RACETRAC	88861902-61
	0	3.5	7×75	30	Black	36	Pre-cut	88861919-61
	1	4	6×45	18	Black	36	Pre-cut, RACETRAC	88861917-71
	1	4	6×45	18	White	36	Pre-cut, RACETRAC	88861902-71
	1	4	7×75	30	Black	36	Pre-cut	88861919-71
	2	5	6×45	18	Black	24	Pre-cut, RACETRAC	88861917-82

REEL

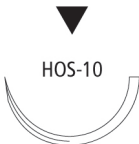
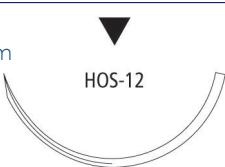
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	3-0	2	366	144	Black	24	Reel	88861906-42
	2-0	3	366	144	Black	24	Reel	88861906-52
	0	3.5	250	98	Black	24	Reel	88861920-62
	1	4	250	98	Black	24	Reel	88861920-72
	2	5	300	120	Black	12	Reel	88861914-83
	3	6	238	95	Black	12	Reel	88861920-93



REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
C-13 3/8 Circle 19.0 mm		C-13	3-0	2	45	18	Black	12		88861931-43
			2-0	3	75	30	Black	36		88861982-51
C-14 3/8 Circle 24.0 mm		C-14	3-0	2	75	30	Black	36		88861935-41
			2-0	3	45	18	Black	12		88861934-53
			2-0	3	75	30	Black	36		88861935-51
			0	3.5	75	30	Black	36		88861935-61
C-16 3/8 Circle 30.0 mm		C-16	3-0	2	5 × 45	18	Black	24	D-Tach™	88861991-42
			2-0	3	75	30	Black	36		88861883-51
			0	3.5	75	30	Black	36		88861883-61
			1	4	75	30	Black	36		88861883-71
C-18 3/8 Circle 35.0 mm		C-18	1	4	75	30	Black	36		88861922-71
GS-10 1/2 Circle 26.0 mm		GS-10	2-0	3	75	30	Black	36		88861932-51



REVERSE CUTTING

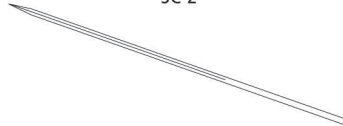
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
HOS-10 1/2 Circle 26.0 mm 	1	4	75	30	Black	36		88861896-71
GS-11 1/2 Circle 37.0 mm 	0	3.5	75	30	Black	36		88861915-61
	1	4	75	30	Black	36		88861915-71
HOS-12 1/2 Circle 40.0 mm 	1	4	5 × 45	18	Black	24	D-Tach™	88861913-72
	1	4	75	30	Black	36		88861895-71

PREMIUM REVERSE CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-13 3/8 Circle 13.0 mm 	5-0	1	45	18	Black	12	Surgalloy™	SBS-1928G
	4-0	1.5	45	18	White	12	Surgalloy™	SBS-1880G
P-11 3/8 Circle 16.0 mm 	4-0	1.5	45	18	Black	12		88861981-33
P-12 3/8 Circle 19.0 mm 	4-0	1.5	45	18	White	12	Surgalloy™	SBS-1884G
	3-0	2	45	18	White	12	Surgalloy™	SBS-1883G

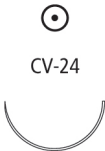
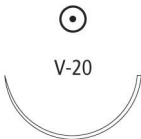
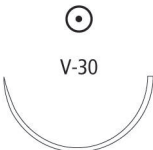




CONVENTIONAL CUTTING											
Needles Specifications				Size		Length		Color	Units Per box	Comments	Reorder code
				USP	EP	cm	Inches				
SC-1 Straight 51.0 mm 		SC-1	2-0	3	75	30	Black	36		88861985-51	
			0	3.5	75	30	Black	36		88861985-61	
			1	4	75	30	Black	36		88861985-71	
SC-2 Straight 60.0 mm 		SC-2	0	3.5	75	30	Black	36		88861948-61	
			2	5	75	30	Black	36		88861948-81	

TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-20 1/2 Circle 10.0 mm	 CV-20 	5-0	1	5 × 45	18	Black	24	D-Tach™	88861910-22	
		4-0	1.5	5 × 45	18	Black	24	D-Tach™	88861910-32	
CV-22 1/2 Circle 13.0 mm	 CV-22 	4-0	1.5	5 × 45	18	Black	24	D-Tach™	88861957-32	
CV-23 1/2 Circle 17.0 mm	 CV-23 	4-0	1.5	5 × 45	18	Black	24	D-Tach™	88861927-32	
		4-0	1.5	75	30	Black	36		88861995-31	
		3-0	2	5 × 45	18	Black	24	D-Tach™	88861927-42	
		3-0	2	75	30	Black	36		88861995-41	

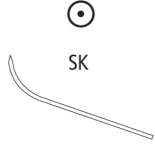


TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches		Per box		
CV-24 1/2 Circle 20.0 mm			4-0	1.5	5 × 45	18	Black	24	D-Tach™	88861989-32
			3-0	2	5 × 45	18	Black	24	D-Tach™	88861989-42
GS-23 1/2 Circle 22.0 mm			0	3.5	5 × 45	18	Black	24	D-Tach™	88861993-62
V-20 1/2 Circle 26.0 mm			3-0	2	5 × 45	18	Black	24	D-Tach™	88861958-42
			3-0	2	75	30	Black	36		88861951-41
			3-0	2	75	30	Black	24	D-Tach™	88861926-42
			2-0	3	45	18	Black	24	D-Tach™	88861958-52
			2-0	3	5 × 75	30	Black	24	D-Tach™	88861967-52
			2-0	3	75	30	Black	36		88861951-51
			0	3.5	75	30	Black	36		88861951-61
GS-22 1/2 Circle 27.0 mm			2-0	3	5 × 45	18	Black	24	D-Tach™	88861969-52
			0	3.5	5 × 45	18	Black	24	D-Tach™	88861969-62
			0	3.5	75	30	Black	36		88861968-61
			1	4	5 × 45	18	Black	24	D-Tach™	88861969-72
V-30 1/2 Circle 30.0 mm			2-0	3	75	30	Black	36		88861964-51
			0	3.5	75	30	Black	36		88861964-61





TAPER POINT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
GS-21 1/2 Circle 37.0 mm 	2-0	3	5 × 45	18	Black	24	D-Tach™	88861962-52
	0	3.5	75	30	Black	36		88861971-61
	1	4	5 × 45	18	Black	24	D-Tach™	88861962-72
	1	4	75	30	Black	36		88861971-71
GS-25 1/2 Circle 48.0 mm 	0	3.5	5 × 45	18	Black	24	D-Tach™	88861998-62
SK SKI 23.0 mm 	2-0	3	250	98	Black	36		88862011-51

HEAVY TAPER POINT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
HGS-22 1/2 Circle 27.0 mm 	2-0	3	5 × 45	18	Black	24	D-Tach™	88861928-52
	0	3.5	5 × 45	18	Black	24	D-Tach™	88861928-62
	1	4	5 × 45	18	Black	24	D-Tach™	88861928-72

DIAMOND POINT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
KV-25 1/2 Circle 22.0 mm 	0	3.5	5 × 45	18	Black	24	D-Tach™	88861909-62

SOFSILK™

Wax Coated Braided Silk

Maximum Surgical Handling.



Sofsilk™ braided silk sutures are nonabsorbable, sterile, non-mutagenic surgical sutures composed of natural proteinaceous silk fibers called fibroin. The braided sutures are available coated uniformly with either silicone or a special wax mixture to reduce capillarity and to increase surface lubricity which enhances handling characteristics, ease of passage through tissue, and knot run-down properties.

Tensile Strength

While Sofsilk™ sutures are not absorbed, progressive degradation of the proteinaceous silk fiber in vivo may result in gradual loss of the suture's tensile strength over time.

Packaging

Available in black with Logwood extract and uniformly coated with silicone or a special wax mixture, in sizes 2 (5 Metric) through 8-0 (0.4 Metric). The sutures are supplied sterile, in pre-cut lengths and ligating reels, nonneedled or affixed to needles using both permanent and removable needle attachment techniques.

Indications

Indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic, microsurgery, and neurological surgery.

Description

Sofsilk™ braided silk sutures are nonabsorbable, sterile, non-mutagenic surgical sutures composed of natural proteinaceous silk fibers called fibroin. This protein is derived from the domesticated silkworm species *Bombyx mori* of the family *bombycidae*. The silk fibers are treated to remove the naturally- occurring sericin gum and braided to produce Sofsilk™ surgical silk sutures. The braided sutures are available coated uniformly with either silicone or a special wax mixture to reduce capillarity and to increase surface lubricity which enhances handling characteristics, ease of passage through tissue, and knot run-down properties.

Indications

Sofsilk™ sutures are indicated for use in general soft tissue approximation and/or ligation, including use in cardiovascular, ophthalmic, microsurgery, and neurological surgery.

Actions

Sofsilk™ sutures elicit a minimal acute inflammatory reaction in tissue, which is followed by gradual encapsulation of the suture by fibrous connective tissue.

Tensile Strength

While Sofsilk™ sutures are not absorbed, progressive degradation of the proteinaceous silk fiber in vivo may result in gradual loss of the suture's tensile strength over time.

Sterilization

Gamma irradiation.

Packaging

Sofsilk™ sutures are available in black with Logwood extract and uniformly coated with silicone or a special wax mixture, in sizes 2 (5 Metric) through 8-0 (0.4 Metric). The sutures are supplied sterile, in pre-cut lengths and ligating reels, nonneedled or affixed to needles using both permanent and removable needle attachment techniques. Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

PRE-CUT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	5-0	1	12×45	18	Black	36	Pre-cut	S-182
	4-0	1.5	12×45	18	Black	24	Pre-cut, racetrac	S-193
	4-0	1.5	12×45	18	Black	36	Pre-cut	S-183
	4-0	1.5	12×60	24	Black	36	Pre-cut	S-243
	4-0	1.5	12×75	30	Black	36	Pre-cut	S-303
	3-0	2	12×45	18	Black	24	Pre-cut, racetrac	S-194
	3-0	2	12×45	18	Black	36	Pre-cut	S-184
	3-0	2	12×60	24	Black	24	Pre-cut, racetrac	S-254
	3-0	2	12×60	24	Black	36	Pre-cut	S-244
	3-0	2	12×75	30	Black	24	Pre-cut, racetrac	S-404
	3-0	2	12×75	30	Black	36	Pre-cut	S-304
	2-0	3	12×45	18	Black	24	Pre-cut, racetrac	S-195
	2-0	3	12×45	18	Black	36	Pre-cut	S-185
	2-0	3	12×60	24	Black	36	Pre-cut	S-245
	2-0	3	12×75	30	Black	36	Pre-cut	S-305
	2-0	3	2×150	60	Black	36	Pre-cut	S-605
	0	3.5	6×45	18	Black	24	Pre-cut, racetrac	S-196
	0	3.5	12×45	18	Black	24	Pre-cut	S-176
	0	3.5	12×60	24	Black	24	Pre-cut	S-346
	0	3.5	6×60	24	Black	36	Pre-cut	S-246
	0	3.5	12×75	30	Black	24	Pre-cut	S-316
	0	3.5	2×150	60	Black	36	Pre-cut	S-606
	1	4	6×45	18	Black	24	Pre-cut, racetrac	S-197
	1	4	6×45	18	Black	36	Pre-cut	S-187
	1	4	12×75	30	Black	24	Pre-cut	S-317
	1	4	2×150	60	Black	36	Pre-cut	S-607
	2	5	12×75	30	Black	24	Pre-cut	S-318
	2	5	2×150	60	Black	36	Pre-cut	S-608



PRE-CUT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	5	7	3 × 60	24	Black	36	Pre-cut	S-282
	5	7	2 × 150	60	Black	12	Pre-cut	S-610

NON-NEELED-STANDARD LENGTH

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	2	5	100	40	Black	36	Standard length	S-206
	4	6	180	72	Black	12	Standard length	S-199

REEL

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
	4-0	1.5	250	98	Black	24	Reel	LS-640
	3-0	2	250	98	Black	24	Reel	LS-639
	2-0	3	250	98	Black	24	Reel	LS-638
	0	3.5	250	98	Black	24	Reel	LS-637
	1	4	250	98	Black	24	Reel	LS-636

REVERSE CUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
HE-6 3/8 Circle 7.4 mm Double-arm								
	7-0	0.5	45	18	Black	12		S-1768K
	6-0	0.7	45	18	Black	12	Surgalloy™	S-1769K
HE-5 3/8 Circle 8.6 mm Double-arm								
	6-0	0.7	30	12	Black	12	Surgalloy™	S-1746K





REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
HE-1 3/8 Circle 11.0 mm Double-arm		6-0	0.7	45	18	Black	12	Surgalloy™	S-1750K	
C-1 3/8 Circle 12.0 mm		6-0	0.7	45	18	Black	36		S-1172	
		5-0	1	45	18	Black	36		S-1173	
		4-0	1.5	45	18	Black	36		S-1174	
		4-0	1.5	75	30	Black	36		S-1373	
C-1 3/8 Circle 12.0 mm Double-arm		6-0	0.7	45	18	Black	12		S-1272	
		4-0	1.5	30	12	Black	12		S-1735	
		4-0	1.5	45	18	Black	12		S-1274	
HE-3 3/8 Circle 13.0 mm Double-arm		4-0	1.5	45	18	Black	12	Surgalloy™	S-1789K	
		4-0	1.5	45	18	Black	12	Surgalloy™	S-1783K	





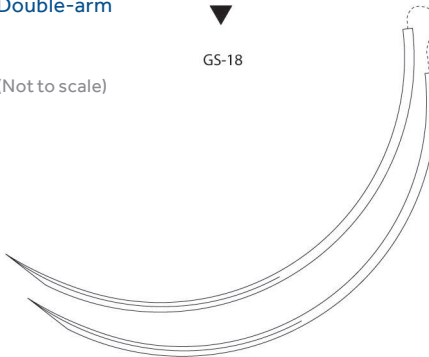
REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
C-12 3/8 Circle 16.0 mm 	6-0	0.7	45	18	Black	36		SS-681
	5-0	1	75	30	Black	36		SS-673
	4-0	1.5	45	18	Black	12		SS-686
	4-0	1.5	75	30	Black	36		SS-645
	3-0	2	75	30	Black	36		SS-745
	2-0	3	75	30	Black	36		SS-746
C-13 3/8 Circle 19.0 mm 	5-0	1	45	18	Black	36		SS-682
	5-0	1	75	30	Black	36		SS-652
	4-0	1.5	45	18	Black	12		SS-683G
	4-0	1.5	45	18	Black	36		SS-683
	4-0	1.5	75	30	Black	36		SS-653
	3-0	2	45	18	Black	36		SS-694
	3-0	2	75	30	Black	36		SS-654
	2-0	3	75	30	Black	36		SS-655
	0	3.5	75	30	Black	36		SS-656



REVERSE CUTTING											
Needles Specifications				Size		Length		Color	Units	Comments	Reorder code
				USP	EP	cm	Inches		Per box		
C-14 3/8 Circle 24.0 mm 	4-0	1.5	45	18	Black	36			SS-629		
	3-0	2	45	18	Black	36			SS-684		
	3-0	2	45	18	Black	12			SS-684G		
	3-0	2	75	30	Black	36			SS-784		
	2-0	3	45	18	Black	36			SS-695		
	2-0	3	75	30	Black	36			SS-785		
	0	3.5	75	30	Black	36			SS-786		
	1	4	75	30	Black	36			SS-787		
C-15 3/8 Circle 26.0 mm 	2-0	3	45	18	Black	12			SS-685G		
	2-0	3	45	18	Black	36			SS-685		
C-16 3/8 Circle 30.0 mm 	3-0	2	75	30	Black	36			SS-675		
	2-0	3	45	18	Black	36			SS-677		
	2-0	3	75	30	Black	36			SS-679		
	0	3.5	45	18	Black	36			SS-678		
	0	3.5	5 × 75	30	Black	24	D-Tach™		SS-70-M		
	0	3.5	75	30	Black	36			SS-680		
	1	4	75	30	Black	36			SS-689		





REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
C-17 3/8 Circle 39.0 mm  C-17	2-0	3	75	30	Black	36		SS-648	
	0	3.5	75	30	Black	36		SS-647	
	1	4	75	30	Black	36		SS-646	
	2	5	75	30	Black	36		SS-651	
GS-18 3/8 Circle 77.0 mm Double-arm  GS-18 (Not to scale)	2	5	75	30	Black	24		CS-482	
	5	7	75	30	Black	24		CS-485	
HE-7 1/2 Circle 7.4 mm Double-arm  HE-7	7-0	0.5	45	18	Black	12		S-1766K	
	6-0	0.7	45	18	Black	12	Surgalloy™	S-1765K	
C-21 1/2 Circle 13.0 mm  C-21	4-0	1.5	5 × 45	18	Black	24	D-Tach™	SS-82-M	





REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches				
C-22 1/2 Circle 20.0 mm		4-0	1.5	45	18	Black	36		SS-733	
C-23 1/2 Circle 24.0 mm		3-0	2	45	18	Black	36		SS-732	
		3-0	2	75	30	Black	36		SS-632	
		2-0	3	45	18	Black	36		SS-734	
		2-0	3	75	30	Black	36		SS-633	
GS-10 1/2 Circle 26.0 mm		2-0	3	45	18	Black	36		CS-390	
GS-11 1/2 Circle 37.0 mm		2-0	3	75	30	Black	36		CS-490	

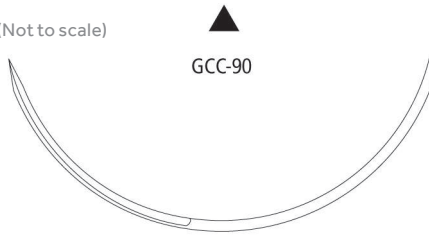
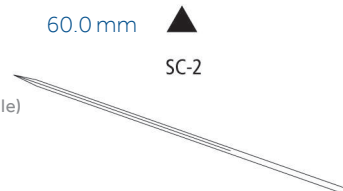


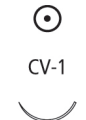


PREMIUM REVERSE CUTTING										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
P-10 3/8 Circle 11.0 mm		6-0	0.7	45	18	Black	36	Surgalloy™	SS-5639	
		6-0	0.7	45	18	Black	12	Surgalloy™	SS-1639G	
P-13 3/8 Circle 13.0 mm		6-0	0.7	45	18	Black	12	Surgalloy™	SS-5649G	
		5-0	1	45	18	Black	36	Surgalloy™	SS-5640	
		4-0	1.5	45	18	Black	12	Surgalloy™	SS-5641G	
		4-0	1.5	45	18	Black	36	Surgalloy™	SS-5641	
P-11 3/8 Circle 16.0 mm		5-0	1	45	18	Black	36	Surgalloy™	SS-5678	
P-12 3/8 Circle 19.0 mm		5-0	1	45	18	Black	36	Surgalloy™	SS-5676	
		4-0	1.5	45	18	Black	36	Surgalloy™	SS-5677	
		3-0	2	45	18	Black	36	Surgalloy™	SS-5679	
P-14 3/8 Circle 24.0 mm		3-0	2	45	18	Black	36	Surgalloy™	SS-5684	
		2-0	3	45	18	Black	12		SS-5685G	
P-24 1/2 Circle 16.0 mm		4-0	1.5	45	18	Black	12	Surgalloy™	SS-1694G	





CONVENTIONAL CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
GCC-90 3/8 Circle 90.0 mm (Not to scale) 	2-0	3	100	40	Black	36		CS-791	
	0	3.5	100	40	Black	36		CS-792	
	1	4	100	40	Black	36		CS-793	
	2	5	100	40	Black	36		CS-794	
SC-1 Straight Double-arm 51.0 mm (Not to scale) 	2-0	3	75	30	Black	36		SS-523	
	1	4	75	30	Black	36		SS-525	
SC-2 Straight 60.0 mm (Not to scale) 	4-0	1.5	75	30	Black	36		SS-621	
	3-0	2	75	30	Black	36		SS-622	
	3-0	2	100	40	Black	36		SS-722	
	2-0	3	75	30	Black	36		SS-623	
	2-0	3	100	40	Black	36		SS-723	
	0	3.5	75	30	Black	36		SS-624	

TAPER POINT									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
CV-1 3/8 Circle 9.0 mm 	6-0	0.7	45	18	Black	36	Surgalloy™	VS-802	
CV-1 3/8 Circle Double-arm 9.0 mm 	7-0	0.5	45	18	Black	36	Surgalloy™	VS-809	





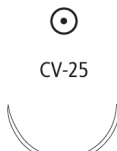
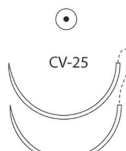
TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches		Per box		
CV-11 3/8 Circle 13.0 mm		CV-11	6-0	0.7	75	30	Black	36	Surgalloy™	VS-889
			5-0	1	75	30	Black	36	Surgalloy™	VS-890
			4-0	1.5	75	30	Black	36	Surgalloy™	VS-891
CV-11 3/8 Circle 13.0 mm Double-arm		CV-11	6-0	0.7	45	18	Black	36	Surgalloy™	VS-806
			6-0	0.7	5 × 60	24	Black	12	Surgalloy™	VS-706-M
			4-0	1.5	45	18	Black	36	Surgalloy™	VS-709
CV-15 3/8 Circle 17.0 mm		CV-15	5-0	1	75	30	Black	36	Surgalloy™	VS-880
			4-0	1.5	75	30	Black	36	Surgalloy™	VS-881
			3-0	2	75	30	Black	36	Surgalloy™	VS-882
			2-0	3	75	30	Black	36	Surgalloy™	VS-823
CV-15 3/8 Circle 17.0 mm Double-arm		CV-15	4-0	1.5	60	24	Black	36	Surgalloy™	VS-581



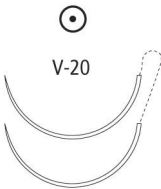
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CVF-21 1/2 Circle 12.0 mm	 CVF-21	5-0	1	45	18	Black	36	Surgalloy™	CS-210	
		4-0	1.5	45	18	Black	36	Surgalloy™	CS-211	
CV-22 1/2 Circle 13.0 mm	 CV-22	4-0	1.5	5 × 45	18	Black	24	D-Tach™	GS-44-M	





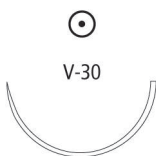
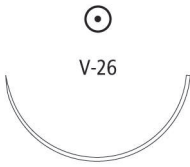
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Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-23 1/2 Circle 17.0 mm		5-0	1	75	30	Black	36	Surgalloy™	VS-870	
		4-0	1.5	75	30	Black	36	Surgalloy™	VS-871	
		3-0	2	5 × 45	18	Black	24	D-Tach™	GS-47-M	
		3-0	2	75	30	Black	36	Surgalloy™	VS-872	
		2-0	3	75	30	Black	36	Surgalloy™	VS-873	
CV-24 1/2 Circle 20.0 mm		4-0	1.5	75	30	Black	36		GS-451	
		3-0	2	75	30	Black	36		GS-452	
		2-0	3	75	30	Black	36		GS-453	
CV-25 1/2 Circle 22.0 mm		4-0	1.5	5 × 45	18	Black	24	D-Tach™	GS-34-M	
		3-0	2	5 × 45	18	Black	24	D-Tach™	GS-33-M	
		3-0	2	5 × 75	30	Black	24	D-Tach™	GS-30-M	
CV-25 1/2 Circle 22.0 mm Double-arm		3-0	2	75	30	Black	36	Surgalloy™	VS-552	
GS-23 1/2 Circle 22.0 mm		2-0	3	75	30	Black	36		CS-562	



TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
V-20 1/2 Circle 26.0 mm 	4-0	1.5	5 × 45	18	Black	24	D-Tach™	GS-64-M		
	4-0	1.5	75	30	Black	36		GS-831		
	3-0	2	5 × 45	18	Black	24	D-Tach™	GS-63-M		
	3-0	2	5 × 75	30	Black	24	D-Tach™	GS-67-M		
	3-0	2	75	30	Black	36		GS-832		
	2-0	3	5 × 45	18	Black	24	D-Tach™	GS-62-M		
	2-0	3	75	30	Black	36		GS-833		
	2-0	3	5 × 75	30	Black	24	D-Tach™	GS-66-M		
	0	3.5	75	30	Black	36		GS-834		
	1	4	75	30	Black	36		GS-835		
V-20 1/2 Circle 26.0 mm Double-arm 	2-0	3	90	36	Black	36	Surgalloy™	VS-533		
GS-22 1/2 Circle 27.0 mm 	2-0	3	5 × 45	18	Black	24	D-Tach™	CS-16-M		
	0	3.5	5 × 45	18	Black	24	D-Tach™	CS-17-M		





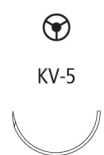
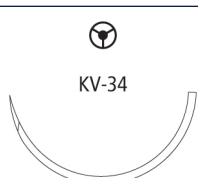
TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
V-30 1/2 Circle 30.0 mm 	3-0		2	75	30	Black	36		GS-822	
	2-0		3	75	30	Black	36		GS-823	
	0		3.5	75	30	Black	36		GS-824	
GS-21 1/2 Circle 37.0 mm 	2-0		3	75	30	Black	36		CS-423	
	0		3.5	5 × 45	18	Black	24	D-Tach™	CS-10-M	
	0		3.5	75	30	Black	36		CS-424	
	1		4	75	30	Black	36		CS-425	
V-26 1/2 Circle 37.0 mm 	3-0		2	75	30	Black	36		VS-842	
	2-0		3	75	30	Black	36		VS-843	
	0		3.5	75	30	Black	36		VS-844	
	1		4	75	30	Black	36		VS-845	
	1		4	2 × 75	30	White	24	D-Tach™	CS-745	
	1		4	75	30	White	36		CS-744	
	2		5	75	30	Black	36		VS-846	
	2		5	2 × 75	30	White	24	D-Tach™	CS-746	



HEAVY TAPER POINT

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
HGS-23 1/2 Circle 22.0 mm 	2-0	3	5 × 45	18	Black	24	D-Tach™	CS-93-M
	0	3.5	5 × 45	18	Black	24	D-Tach™	CS-92-M
HGS-22 1/2 Circle 27.0 mm 	0	3.5	5 × 45	18	Black	24	D-Tach™	CS-85-M
HGS-20 1/2 Circle 34mm 	1	4	5 × 75	30	Black	12		X-1095

TAPERCUTTING

Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
KV-5 1/2 Circle 17.0 mm 	3-0	2	75	30	Black	36	Surgalloy™	VS-863
KV-7 1/2 Circle 26.0 mm 	2-0	3	75	30	Black	36	Surgalloy™	VS-964
KV-34 1/2 Circle 37.0 mm 	1	4	2 × 75	30	White	12	D-Tach™	VS-766G





SPATULA									
Needles Specifications		Size		Length		Color	Units Per box	Comments	Reorder code
		USP	EP	cm	Inches				
SE-100-8 1/4 Circle 6.3 mm Double-arm	 SE-100-8	8-0	0.4	45	18	Black	12	Surgalloy™	S-2176K
SS-14 1/4 Circle 8.6 mm Double-arm	 SS-14	6-0	0.7	45	18	Black	12	Surgalloy™	S-1780K
SS-24 1/4 Circle 8.6 mm Double-arm	 SS-24	6-0	0.7	45	18	Black	12	Surgalloy™	S-2780K
		4-0	1.5	45	18	White	12		S-2782K
SE-140-8 3/8 Circle 6.3 mm Double-arm	 SE-140-8	8-0	0.4	30	12	Black	12	Surgalloy™	S-2752K
		8-0	0.4	45	18	Black	12	Surgalloy™	S-1734K
		7-0	0.5	45	18	Black	12	Surgalloy™	S-1733K
		6-0	0.7	45	18	Black	12	Surgalloy™	S-1732K

V-LOC™ 90

Absorbable Wound Closure Device

Secure. Fast. Effective.†



**THE VLOC™ DEVICE
ADVANTAGE
NOW WITH STRONGER,
SHARPER NEEDLES***

Tensile Strength

Approximately 90% of initial tensile strength at 1 week, 75% at 2 weeks post implant.

Packaging

Available in USP and EP sizes 2–0 (3 metric) through 4–0 (1.5 Metric). The V-LOC™ 90 absorbable wound closure devices are available dyed violet or undyed (clear).

The devices are supplied sterile, in pre-cut lengths affixed to various needle types.

The devices are available in box quantities of one dozen.

Indications

Indicated for soft tissue approximation where use of an absorbable suture is appropriate. The safety and effectiveness of the V-LOC™ 90 absorbable wound closure device has not been established for use in fascial closures (abdominal wall, thoracic, extremity fascial closures), gastrointestinal anastomoses, cardiovascular anastomoses, neurological, ophthalmic, orthopedic or microsurgery.

Description

The V-Loc™ 90 absorbable wound closure device consists of a barbed absorbable thread, armed with a surgical needle at one end and a loop end effector at the other. The barb and loop end effector design allow for tissue approximation without the need to tie surgical knots. The V-Loc™ 90 absorbable wound closure device is prepared from a synthetic polyester composed of glycolide, dioxanone, and trimethylene carbonate. The absorbable wound closure device is available undyed or violet. The device is sterile, inert, noncollagenous and nonantigenic.

Indications

V-Loc™ 90 absorbable wound closure devices are indicated for soft tissue approximation where use of an absorbable suture is appropriate. The safety and effectiveness of the V-Loc™ 90 absorbable wound closure device has not been established for use in fascial closures (abdominal wall, thoracic, extremity fascial closures), gastrointestinal anastomoses, cardiovascular anastomoses, neurological, ophthalmic, orthopedic or microsurgery.

Actions

V-Loc™ 90 absorbable wound closure devices elicit a minimal acute inflammatory reaction in tissues, which is followed by a gradual encapsulation of the device by fibrous connective tissue. Progressive loss of tensile strength and eventual absorption of V-Loc™ 90 absorbable wound closure device occurs by means of hydrolysis where the device is broken down to glycolic acid, dioxanoic acid, propane diol and carbon dioxide which are subsequently absorbed and metabolized by the body.

Tensile Strength

Approximately 90% of initial tensile strength at 1 week, 75% at 2 weeks postimplant.

Sterilization

Ethylene oxide.

Absorbtion

Absorption begins as a loss of tensile strength without appreciable loss of mass. Animal data indicates that the absorption is essentially complete between 90 and 110 days.

Packaging

The V-Loc™ 90 absorbable wound closure devices are available in USP and EP sizes 2-0 (3 metric) through 4-0 (1.5 Metric). The V-Loc™ 90 absorbable wound closure devices are available dyed violet or undyed (clear). The devices are supplied sterile, in pre-cut lengths affixed to various needle types. The devices are available in box quantities of one dozen. Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

* When compared with previous generation

† When compared with traditional suture

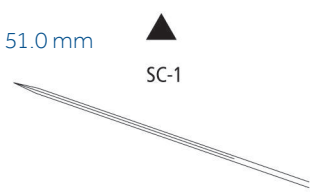
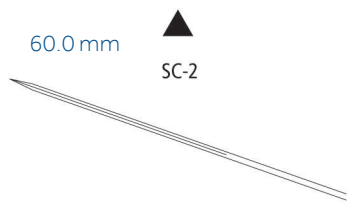
V-Loc™ 90 Absorbable

V-Loc™ 90 wound closure device is a uni-directional short-term absorbable knotless barbed suture.

PREMIUM REVERSE CUTTING									
Needles Specifications			Size		Length		Color	Units	Comments
			USP	EP	cm	Inches		Per box	Reorder code
P-11 3/8 Circle 16.0 mm 			4-0	1.5	30	12	Undyed	12	Surgalloy™ VLOCM1413
			4-0	1.5	45	18	Undyed	12	Surgalloy™ VLOCM1423
P-12 3/8 Circle 19.0 mm 			4-0	1.5	15	6	Undyed	12	Surgalloy™ VLOCM0003
			4-0	1.5	30	12	Undyed	12	Surgalloy™ VLOCM0013
			4-0	1.5	45	18	Undyed	12	Surgalloy™ VLOCM0023
			4-0	1.5	58	23	Undyed	12	Surgalloy™ VLOCM0033
			3-0	2	15	6	Undyed	12	VLOCM0004
			3-0	2	30	12	Undyed	12	VLOCM0014
			3-0	2	45	18	Undyed	12	VLOCM0024
			3-0	2	58	23	Undyed	12	Surgalloy™ VLOCM0034
			2-0	3	15	6	Undyed	12	VLOCM0005
			2-0	3	30	12	Undyed	12	VLOCM0015
			2-0	3	45	18	Undyed	12	VLOCM0025
			2-0	3	58	23	Undyed	12	VLOCM0035

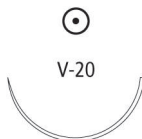


PREMIUM REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-14 3/8 Circle 24.0 mm 	4-0	1.5	30	12	Undyed	12	Surgalloy™	VLOCM0113
	4-0	1.5	45	18	Undyed	12	Surgalloy™	VLOCM0123
	4-0	1.5	58	23	Undyed	12	Surgalloy™	VLOCM0133
	3-0	2	30	12	Undyed	12	Surgalloy™	VLOCM0114
	3-0	2	45	18	Undyed	12	Surgalloy™	VLOCM0124
	3-0	2	58	23	Undyed	12	Surgalloy™	VLOCM0134
	2-0	3	30	12	Undyed	12		VLOCM0115
	2-0	3	45	18	Undyed	12		VLOCM0125
	2-0	3	58	23	Undyed	12		VLOCM0135
P-17 3/8 Circle 30.0 mm 	3-0	2	45	18	Undyed	12		VLOCM1824

CONVENTIONAL CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
SC-1 Straight 51.0 mm 	3-0	2	45	18	Undyed	12	Reliapoint™	VLOCM1624
SC-2 Straight 60.0 mm 	4-0	1.5	45	18	Undyed	12	Reliapoint™	VLOCM0223
	3-0	2	45	18	Undyed	12		VLOCM0224





TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
CV-15 3/8 Circle 17.0 mm		CV-15	4-0	1.5	15	6	Violet	12		VLOCM1203
			3-0	2	15	6	Violet	12	Surgalloy™	VLOCM1204
CV-23 1/2 Circle 17.0 mm		CV-23	4-0	1.5	23	9		12		VLOCM0843
			4-0	1.5	30	12	Violet	12		VLOCM0813
			3-0	2	15	6	Undyed	12	Surgalloy™	VLOCM1904
			3-0	2	15	6	Violet	12	Surgalloy™	VLOCM0804
			3-0	2	23	9	Undyed	12	Surgalloy™	VLOCM1944
			3-0	2	23	9	Violet	12	Surgalloy™	VLOCM0844
			3-0	2	30	12	Violet	12		VLOCM0814
			3-0	2	45	18	Violet	12		VLOCM0824
V-20 1/2 Circle 26.0 mm		V-20	4-0	1.5	15	6	Violet	12	Surgalloy™	VLOCM0603
			4-0	1.5	45	18	Violet	12	Surgalloy™	VLOCM0623
			3-0	2	15	6	Violet	12		VLOCM0604
			3-0	2	15	6	Undyed	12	Surgalloy™	VLOCM2004
			3-0	2	23	9	Violet	12	Surgalloy™	VLOCM0644
			3-0	2	23	9	Undyed	12	Surgalloy™	VLOCM2044
			3-0	2	30	12	Violet	12		VLOCM0614
			3-0	2	45	18	Violet	12		VLOCM0624
			2-0	3	45	18	Violet	12		VLOCM0625





TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
GS-22 1/2 Circle 27.0 mm		GS-22	2-0	3	15	6	Violet	12		VLOCM2105
			2-0	3	15	6	Undyed	12		VLOCM2205
			2-0	3	23	9	Violet	12		VLOCM2145
			2-0	3	23	9	Undyed	12		VLOCM2245
			2-0	3	30	12	Violet	12		VLOCM2115
V-30 1/2 Circle 30.0 mm		V-30	3-0	2	23	9	Violet	12		VLOCM1544
			2-0	3	23	9	Violet	12		VLOCM1545
GS-21 1/2 Circle 37.0 mm		GS-21	3-0	2	23	9	Violet	12		VLOCM0344
			3-0	2	45	18	Violet	12		VLOCM0324
			2-0	3	15	6	Violet	12		VLOCM0305
			2-0	3	23	9	Violet	12		VLOCM0345
			2-0	3	30	12	Violet	12		VLOCM0315
			2-0	3	45	18	Undyed	12		VLOCM3225
GU-46 5/8 Circle 27.0 mm		GU-46	3-0	2	15	6	Violet	12	Surgalloy™	VLOCM1704
			3-0	2	23	9	Violet	12		VLOCM1744



V-LOC™ 180

Absorbable Wound Closure Device

Secure. Fast. Effective.†



THE VLOC™ DEVICE
ADVANTAGE
**NOW WITH STRONGER,
SHARPER NEEDLES***

Tensile Strength

Approximately 80% of initial tensile strength at 1 week, 75% at 2 weeks, and 65% at 3 weeks post implant.

Packaging

Available in USP and EP sizes 4–0 (1.5 Metric) through 0 (3.5 Metric). The V-LOC™ 180 absorbable wound closure devices are dyed with D&C No. 6 or available Clear (Undyed).

The devices are supplied sterile, in pre-cut lengths affixed to various needle types. The devices are available in box quantities of one dozen.

Indications

Indicated for soft tissue approximation where use of an absorbable suture is appropriate. The safety and effectiveness of the V-LOC™ 180 absorbable wound closure device has not been established for use in fascial closures (abdominal wall, thoracic, extremity fascial closures), gastrointestinal anastomoses, cardiovascular anastomoses, neurological, ophthalmic, orthopedic or microsurgery.

Description

The V-Loc™ 180 absorbable wound closure device consists of a barbed absorbable thread, armed with a surgical needle at one end and a loop end effector at the other. The barb and loop end effector design allow for tissue approximation without the need to tie surgical knots. The V-Loc™ 180 absorbable wound closure device is prepared from a copolymer of glycolic acid and trimethylene carbonate. The absorbable wound closure device is available clear or green. The device is sterile, inert, noncollagenous and nonantigenic.

Indications

V-Loc™ 180 absorbable wound closure devices are indicated for soft tissue approximation where use of an absorbable suture is appropriate. The safety and effectiveness of the V-Loc™ 180 absorbable wound closure device has not been established for use in fascial closures (abdominal wall, thoracic, extremity fascial closures), gastrointestinal anastomoses, cardiovascular anastomoses, neurological, ophthalmic, orthopedic or microsurgery.

Actions

When implanted in animal tissue, V-Loc™ 180 absorbable wound closure devices elicit a minimal tissue reaction characteristic of foreign body response to substance. The tissue reaction resolves as the device is absorbed. Experimental animal studies for this absorbable material produced no evidence of antigenicity, systemic toxicity, carcinogenicity, mutagenicity, teratogenicity or adverse effects on reproductive performance.

Tensile Strength

Studies demonstrate the following approximate % of U.S.P. and E.P. knot pull minimum average specification for the labeled diameter size: Approximately 80% of initial tensile strength at 1 week, 75% at 2 weeks, and 65% at 3 weeks post implant.

Sterilization

Ethylene oxide.

Absorbtion

Animal data indicates that the absorption is minimal until about the 60th day after implantation. Absorption is substantially complete within six months.

Packaging

The V-Loc™ 180 absorbable wound closure devices are available in USP and EP sizes 4–0 (1.5 Metric) through 0 (3.5 Metric). The V-Loc™ 180 absorbable wound closure devices are dyed with D&C No. 6 or available Clear (Undyed). The devices are supplied sterile, in pre-cut lengths affixed to various needle types. The devices are available in box quantities of one dozen.

Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

* When compared with previous generation

† When compared with traditional suture

V-Loc™ 180 Absorbable

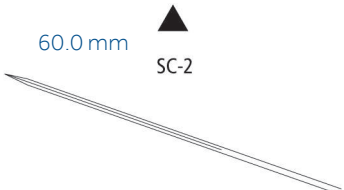
V-Loc™ 180 wound closure device is a uni-directional long-term absorbable knotless barbed suture.

REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
GS-11 1/2 Circle 37.0 mm 	2-0	3	30	12	Clear	12	Reliapoint™	VLOCL2815	
	0	3.5	45	18	Clear	12	Reliapoint™	VLOCL2826	

PREMIUM REVERSE CUTTING									
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code	
	USP	EP	cm	Inches					
P-11 3/8 Circle 16.0 mm 	4-0	1.5	30	12	Green	12		VLOCL1413	
P-12 3/8 Circle 19.0 mm 	4-0	1.5	15	6	Clear	12	Surgalloy™	VLOCL0003	
	4-0	1.5	30	12	Clear	12	Surgalloy™	VLOCL0013	
	4-0	1.5	45	18	Clear	12	Surgalloy™	VLOCL0023	
	4-0	1.5	58	23	Clear	12	Surgalloy™	VLOCL0033	
	3-0	2	15	6	Clear	12		VLOCL0004	
	3-0	2	30	12	Clear	12		VLOCL0014	
	3-0	2	45	18	Clear	12		VLOCL0024	
	3-0	2	58	23	Clear	12		VLOCL0034	
	2-0	3	30	12	Clear	12		VLOCL0015	
	2-0	3	45	18	Clear	12		VLOCL0025	



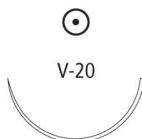
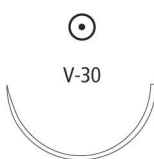
PREMIUM REVERSE CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
P-14 3/8 Circle 24.0 mm 	4-0	1.5	45	18	Clear	12	Surgalloy™	VLOCL0123
	4-0	1.5	58	23	Clear	12	Surgalloy™	VLOCL0133
	3-0	2	30	12	Clear	12		VLOCL0114
	3-0	2	45	18	Clear	12		VLOCL0124
	3-0	2	60	24	Clear	12		VLOCL0134
	2-0	3	30	12	Clear	12		VLOCL0115
	2-0	3	45	18	Clear	12		VLOCL0125
	2-0	3	60	24	Clear	12		VLOCL0135

CONVENTIONAL CUTTING								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
SC-2 Straight 60.0 mm 	4-0	1.5	45	18	Clear	12		VLOCL0223
	3-0	2	45	18	Clear	12		VLOCL0224

TAPER POINT								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
CV-23 1/2 Circle 17.0 mm 	4-0	1.5	15	6	Green	12		VLOCL0803
	4-0	1.5	30	12	Green	12	Surgalloy™	VLOCL0813
	3-0	2	15	6	Green	12		VLOCL0804
	3-0	2	15	6	Steel	12		VLOCL1904
	3-0	2	23	9	Green	12	Surgalloy™	VLOCL0844
	3-0	2	30	12	Green	12		VLOCL0814
	3-0	2	45	18	Green	12		VLOCL0824

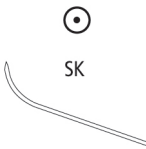




TAPER POINT										
Needles Specifications			Size		Length		Color	Units Per box	Comments	Reorder code
			USP	EP	cm	Inches				
V-20 1/2 Circle 26.0 mm 	4-0	1.5	15	6	Green	12		VLOCL0603		
	4-0	1.5	30	12	Green	12		VLOCL0613		
	3-0	2	15	6	Green	12		VLOCL0604		
	3-0	2	23	9	Green	12	Surgalloy™	VLOCL0644		
	3-0	2	30	12	Green	12	Surgalloy™	VLOCL0614		
	3-0	2	45	18	Green	12	Surgalloy™	VLOCL0624		
	2-0	3	30	12	Green	12		VLOCL0615		
	2-0	3	45	18	Green	12		VLOCL0625		
GS-22 1/2 Circle 27.0 mm 	2-0	3	15	6	Green	12		VLOCL2105		
	2-0	3	23	9	Green	12		VLOCL2145		
V-30 1/2 Circle 30.0 mm 	3-0	2	23	9	Green	12		VLOCL1544		
	2-0	3	23	9	Green	12		VLOCL1545		
GS-21 1/2 Circle 37.0 mm 	3-0	2	23	9	Green	12		VLOCL0344		
	3-0	2	45	18	Green	12		VLOCL0324		
	2-0	3	15	6	Green	12		VLOCL0305		
	2-0	3	23	9	Green	12		VLOCL0345		
	2-0	3	30	12	Green	12		VLOCL0315		
	2-0	3	45	18	Green	12		VLOCL0325		
	2-0	3	60	24	Green	12		VLOCL0335		
	0	3.5	15	6	Green	12		VLOCL0306		
	0	3.5	23	9	Green	12		VLOCL0346		
	0	3.5	30	12	Green	12		VLOCL0316		
	0	3.5	45	18	Green	12		VLOCL0326		
	0	3.5	60	24	Green	12		VLOCL0336		
GS-25 1/2 Circle 48.0 mm (Not to scale) 	0	3.5	30	12	Green	12		VLOCL0416		
	0	3.5	45	18	Green	12		VLOCL0426		
	0	3.5	60	24	Green	12		VLOCL0436		





TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches		Per box		
SK SKI	23.0 mm	 SK	3-0	2	23	9	Green	12		VLOCL2744



V-LOC™ PBT

PBT Non Absorbable Wound Closure Device

Secure. Fast. Effective.†



Dual-Angle Cut



Dual-angle cut

Produces barbs with strong anchoring force while preserving the integrity of the strand's strength.

Tensile Strength

No known significant change in tensile retention occurs in vivo for the V-LOC™ PBT non-absorbable wound closure device.

Packaging

Available in USP and EP sizes 1 (4 Metric) through 3-0 (2 Metric). The V-LOC™ PBT nonabsorbable wound closure devices are pigmented with Copper Phthalocyanine Blue. The devices are supplied sterile, affixed to taperpoint needle types. The devices are available in box quantities of one dozen.

Indications

Indicated for soft tissue approximation where use of an absorbable suture is appropriate. The safety and effectiveness of the V-LOC™ 90 absorbable wound closure device has not been established for use in fascial closures (abdominal wall, thoracic, extremity fascial closures), gastrointestinal anastomoses, cardiovascular anastomoses, neurological, ophthalmic, orthopedic or microsurgery.



Description

The V-Loc™ Polybutester (PBT) non-absorbable wound closure device consists of a barbed non-absorbable thread, armed with a surgical needle at one end and a loop end effector at the other. The barb and loop end effector design allow for tissue approximation without the need to tie surgical knots. The V-Loc™ PBT nonabsorbable wound closure device is composed of a copolymer of butylene terephthalate and polytetramethylene ether glycol. The device is sterile, inert, noncollagenous and nonantigenic.

Indications

V-Loc™ PBT non-absorbable wound closure devices are indicated for soft tissue approximation. The safety and effectiveness of the V-Loc™ PBT non-absorbable wound closure device has not been established for use in fascial closures (abdominal wall, thoracic, extremity fascial closures), gastrointestinal anastomoses, cardiovascular anastomoses, neurological, ophthalmic, orthopedic or microsurgery.

Actions

Sofsil™ sutures elicit a minimal acute inflammatory reaction in tissue, which is followed by gradual encapsulation of the suture by fibrous connective tissue.

Tensile Strength

No known significant change in tensile retention occurs in vivo for the V-Loc™ PBT non-absorbable wound closure device.

Sterilization

Gamma irradiation.

Absorbtion

Permanent.

Packaging

The V-Loc™ PBT non-absorbable wound closure devices are available in USP and EP sizes 1 (4 Metric) through 3-0 (2 Metric). The V-Loc™ PBT non-absorbable wound closure devices are pigmented with Copper Phthalocyanine Blue. The devices are supplied sterile, affixed to taperpoint needle types. The devices are available in box quantities of one dozen.

Please refer to the individual package IFUs for complete instructions, indications, contraindications, warnings and precautions.

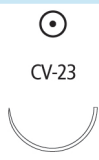
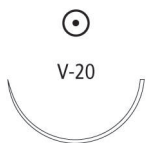
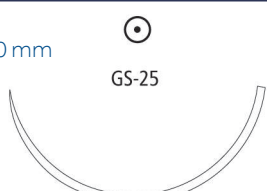
* When compared with previous generation

† When compared with traditional suture



V-Loc™ PBT

V-Loc™ PBT wound closure device is a uni-directional permanent knotless barbed suture.

TAPER POINT										
Needles Specifications			Size		Length		Color	Units	Comments	Reorder code
			USP	EP	cm	Inches		Per box		
CV-23 1/2 Circle 17.0 mm		CV-23	3-0	2	30	12	Blue	12	Surgalloy™	VLOCN0814
V-20 1/2 Circle 26.0 mm		V-20	3-0	2	15	6	Blue	12		VLOCN0604
			3-0	2	23	9	Blue	12		VLOCN0644
			3-0	2	30	12	Blue	12	Surgalloy™	VLOCN0614
			2-0	3	15	6	Blue	12		VLOCN0605
			2-0	3	30	12	Blue	12		VLOCN0615
GS-22 1/2 Circle 27.0 mm		GS-22	0	3.5	45	18	Blue	12		VLOCN1126
GS-21 1/2 Circle 37.0 mm		GS-21	2-0	3	15	6		12		VLOCN0305
			2-0	3	45	18	Blue	12		VLOCN0325
			0	3.5	15	6	Blue	12		VLOCN0306
			0	3.5	45	18	Blue	12		VLOCN0326
			1	4	45	18	Blue	12		VLOCN0327
GS-25 1/2 Circle 48.0 mm		GS-25	1	4	60	24	Blue	12		VLOCN0437





PLEDGETS

Non-Absorbable, undyed fabrics constructed of PTFE

Simple strength. Secure placement.



Oval pledgets provide you with the same performance you have come to expect from our existing product line, just in a different shape to better meet your cardiovascular procedural needs.

Like our rectangular pledgets, the oval pledgets act as a buttress under sutures when there is a possibility of sutures tearing through tissue.¹ They are inert² — plus they have adequate stiffness, yet do not fall apart.[†]

Compared to rectangular pledgets:



Oval pledgets conform better to the shape of the anatomical structure and result in less foreign mass in the body²



The lack of corners prevents the oval pledget from catching the wrong orientation and the edges are less likely to overlap²



Soft oval pledgets are compliant, yet not fuzzy²





Description

PTFE Pledgets are non-absorbable, undyed fabrics composed of poly (tetrafluoroethylene).

Indications

PTFE Pledgets are indicated for use as non-absorbable suture buttresses when there is a possibility of sutures tearing through tissue. These pledgets are used in various surgical procedures such as vascular closure, septal repair, myocardial closure, valvular suturing and hepatic repair.

Actions

PTFE Pledgets elicit a minimal acute inflammatory reaction in tissues, followed by gradual encapsulation of the fabric by fibrous connective tissue.

Absorption

PTFE Pledgets are not absorbed, nor is any significant change in tensile strength retention known to occur in vivo.

Packaging

PTFE Pledgets are available sterile, prepunched, square , rectangular or oval in shape and in box quantities of 3 dozen.

1. Oval pledget [instructions for use]. Minneapolis, MN: Medtronic, 2015.
2. Based on survey of 6 CV surgeons in two cities - NYC and Chicago. HMV Report: Pledget Usability Lab Focus Group, conducted on June 10, 2015. — 06-10-15 , 06-10-16, 06-10-17, 06-10-18, 06-10-20, 06-10-22, 06-10-25, 06-10-28.
3. Medtronic R&D Engineering Report. Report Number: RE00017984. Determination of Pledget Removal Force. Aug. 7, 2015.





PLEDGETS

CATEGORY								
Needles Specifications	Size		Length		Color	Units Per box	Comments	Reorder code
	USP	EP	cm	Inches				
						36	Pledgets 4.5mm x 6mm SOFT	VPG56SE
						36	Pledgets 4.5mm x 6mm FIRM	VPG56FE
						36	Pledgets 3mm x 6mm SOFT	VPG36SE
						36	Pledgets 3mm x 6mm FIRM	VPG36FE
						36	3mm x 7mm FIRM	8886867701
						36	3mm x 3mm FIRM 10 pledgets per envelope	8886867501
						36	Pledgets 3mm x 7mm SOFT	8886868201
						36	Pledgets 4.8mm x 9.5mm SOFT 5 per pouch	8886867901
						36	Pledgets 4.8mm x 9.5mm FIRM 5 per pouch	8886867801







Medtronic



Use scan app to read

For more information, please visit
medtronic.eu/product-catalog

IMPORTANT: Please refer to the package insert for complete instructions, contraindications, warnings and precautions.

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ZLG-BS-244.10.08



Product Service

EC Certificate

Full Quality Assurance System

Directive 93/42/EEC on Medical Devices (MDD), Annex II excluding (4)
(Devices in Class IIa, IIb or III)

No. G1 077608 0079 Rev. 00

Manufacturer:

Covidien llc

15 Hampshire Street
Mansfield, MA 02048
USA

Product Category(ies): Medical Instruments, Surgical Products
and Hemostatic Materials:

- Surgical Suture Products, Pledgets and Retention Tapes
- Endoscopy Instruments and
Accessories including Lubricant
- Surgical Staple, Clip Products and Accessories
- Manual Surgical Instruments
- Implantable Wound Dressing Materials
- Ultrasonic Surgical Devices and Accessories
- Suction / Irrigation Devices and Accessories
- Arthroscopy Implants, Instruments and Accessories
- Bone Wax
- Temporary Cardiac Pacing Lead
- Powered Stapling Systems

The Certification Body of TÜV SÜD Product Service GmbH declares that the aforementioned manufacturer has implemented a quality assurance system for design, manufacture and final inspection of the respective devices / device categories in accordance with MDD Annex II. This quality assurance system conforms to the requirements of this Directive and is subject to periodical surveillance. For marketing of class III devices an additional Annex II (4) certificate is mandatory. See also notes overleaf.

Report No.:

713164286

Valid from:

2019-09-13

Valid until:

2024-05-26

Date,

2019-09-13

Stefan Preiß
Head of Certification/Notified Body

Page 1 of 2

TÜV SÜD Product Service GmbH is Notified Body with identification no. 0123

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

TÜV®

ZERTIFIKAT • CERTIFICATE • CERTIFICADO • CERTIFICAT • 認證證書



Product Service

EC Certificate

Full Quality Assurance System

**Directive 93/42/EEC on Medical Devices (MDD), Annex II excluding (4)
(Devices in Class IIa, IIb or III)**

No. G1 077608 0079 Rev. 00

Facility(ies):

Covidien Inc
15 Hampshire Street,
Mansfield, MA 02048, USA

4

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD
RATIO

CATALOGUE
NUMBERS

PROCEDURES



GORE-TEX® Suture
Ordering
Information

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES		
CV-8 7-0	CV-7 6-0	CV-6 5-0	CV-5 4-0	CV-4 3-0	CV-3 2-0	CV-2 0	CV-0 1
Single-armed needles	Double-armed needles						

CV-8 Thread size

|

Approximate USP size 7-0

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
⦿ Taper point 3/8 circle		TTc-7	24" – 61 cm	8K10	BV130-5	CV-351, MV-135-5
		TTc-9	18" – 46 cm	8J02	BV-1, BV175-8	CV-1, CVF-1, MV-175-8
			24" – 61 cm	8K02		
			30" – 76 cm	8M02		
		TTc-13	30" – 76 cm	8M04	C-1	CV-11, CVF-11
⬆ Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-9	24" – 61 cm	8K08	CC	KV-1
			30" – 76 cm	8M08		
		PT-13	30" – 76 cm	8M06	CC-1	KV-11

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES		
CV-8 7-0		CV-6 5-0	CV-5 4-0	CV-4 3-0	CV-3 2-0	CV-2 0	CV-0 1
Single-armed needles	Double-armed needles						

CV-7 Thread size

|

Approximate USP size 6-0

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
Taper point 3/8 circle		TTc-9	18" – 46 cm	7J02	BV-1, BV175-8	CV-1, CVF-1, MV-175-8
			24" – 61 cm	7K02		
			30" – 76 cm	7M02		
		TTc-12	30" – 76 cm	7M12	BV	CV-11, CVF
		TTc-13	24" – 61 cm	7K06	C-1	CV-11, CVF-11
			30" – 76 cm	7M06		
Taper point 1/2 circle		THc-13	18" – 46 cm	7J10	RB-2	CV-22, CVF-22
			30" – 76 cm	7M10	RB-2	CV-22, CVF-22
Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-9	24" – 61 cm	7K04	CC	KV-1
			30" – 76 cm	7M04		
		PT-13	24" – 61 cm	7K08	CC-1	KV-11
			30" – 76 cm	7M08		

THREAD SIZES		THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES	
CV-8 7-0	CV-7 6-0		CV-5 4-0	CV-4 3-0	CV-3 2-0	CV-2 0	CV-0 1
Single-armed needles		Double-armed needles					

CV-6 Thread size

|

Approximate USP size 5-0

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
⦿ Taper point 3/8 circle		TTc-9	18" – 46 cm	6J02	BV-1, BV175-8	CV-1, CVF-1, MV-175-8
			24" – 61 cm	6K02		
			30" – 76 cm	6M02		
		TTc-12	24" – 61 cm	6K10	BV	CV-11, CVF
			30" – 76 cm	6M10		
		TTc-13	18" – 46 cm	6J04	C-1	CV-11, CVF-11
			24" – 61 cm	6K04		
			30" – 76 cm	6M04		
			36" – 91 cm	6N04		
⦿ Taper point 1/2 circle		THc-9	30" – 76 cm	6M24	N/A	CV-20
		THc-13	24" – 61 cm	6K12	RB-2	CV-22, CVF-22
			30" – 76 cm	6M12		
		TH-18	36" – 91 cm	6N16	RB-1	CV-23, CVF-23
⬆ Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-9	24" – 61 cm	6K06	CC	KV-1
			30" – 76 cm	6M06		
		PT-13	24" – 61 cm	6K08	CC-1	KV-11
			30" – 76 cm	6M08		
⬆ Piercing point 1/2 circle		PH-13	30" – 76 cm	6M14	N/A	N/A

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES		
CV-8 7-0	CV-7 6-0	CV-6 5-0		CV-4 3-0	CV-3 2-0	CV-2 0	CV-0 1
Single-armed needles			Double-armed needles				

CV-5 Thread size

|

Approximate USP size 4-0

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
Taper point 3/8 circle		TTc-13	24" – 61 cm	5K02	C-1	CV-11, CVF-11
			30" – 76 cm	5M02	C-1	CV-11, CVF-11, MV-175-8
			36" – 91 cm	5N02		
		TT-17	36" – 91 cm	5N06	BB	CV-15, CVF-15
Taper point 1/2 circle		THc-13	24" – 61 cm	5K12	RB-2	CV-22, CVF-22
			30" – 76 cm	5M12		
			36" – 91 cm	5N12		
		TH-18	36" – 91 cm	5N04	RB-1	CV-23, CVF-23
		TH-22 (with pledgets)	36" – 91 cm	3201 ^{††} 3202 [†]	SH-1	CV-25
		TH-26	36" – 91 cm	5N20	SH	V-20
Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-13	24" – 61 cm	5K08	CC-1	KV-11
			36" – 91 cm	5N08		
Piercing point 1/2 circle		PT-17	36" – 91 cm	5N10	V-4	KV-15
		PH-13	30" – 76 cm	5M16	N/A	N/A
		PH-17	36" – 91 cm	5N14	V-5	KV-5

† With ePTFE pledgets (3)

†† With ePTFE pledgets (4)

Product Ordering Information

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES
CV-8 7-0	CV-7 6-0	CV-6 5-0	CV-5 4-0	CV-4 3-0	CV-3 2-0
				CV-2 0	CV-0 1
Single-armed needles			Double-armed needles		

CV-4 Thread size

|

Approximate USP size 3-0

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
Taper point 3/8 circle		TT-17	36" – 91 cm	4N04	BB130-56	CV-15, CVF-15
		TH-18	36" – 91 cm 48" – 122 cm	4N02 4U02	RB-1	CV-23, CVF-23
Taper point 1/2 circle		TH-22 (with pledgets)	36" – 91 cm	3200 ^{††}	SH-1	CV-25
		TH-26	36" – 91 cm 48" – 122 cm	4N06 4U06	SH	V-20
		TH-35	36" – 91 cm	4N12	MH	V-26
		PT-17	36" – 91 cm	4N10	V-4	KV-15
Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PH-17	36" – 91 cm	4N08	V-5	KV-5
		PH-24	36" – 91 cm 48" – 122 cm	4N16 4U16	V-7	KV-7

THREAD SIZES		THREAD LENGTH		NEEDLE POINT		NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS		PROCEDURES	
CV-8 7-0		CV-7 6-0		CV-6 5-0		CV-5 4-0		CV-4 3-0		CV-3 2-0	
										CV-2 0	
										CV-0 1	
								Single-armed needles		Double-armed needles	

CV-3 Thread size

|

Approximate USP size 2-0

Single-armed needles

Needle type					Ethicon reference	Medtronic reference
Single-armed needles		Needle code	Thread length	Catalogue number		
Taper point 1/2 circle		TH-26	36" – 91 cm	3N07	SH	V-20

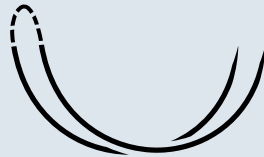
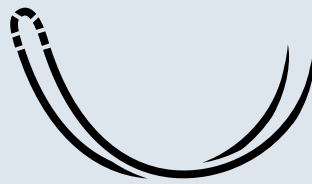
THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES		
CV-8 7-0	CV-7 6-0	CV-6 5-0	CV-5 4-0	CV-4 3-0	CV-3 2-0	CV-2 0	CV-0 1
					Single-armed needles	Double-armed needles	

CV-3 Thread size

|

Approximate USP size 2-0

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
Taper point 3/8 circle		TT-17	36" – 91 cm	3N02	BB130-5	CV-15, CVF-15
		TH-18	36" – 91 cm	3N04	RB1	CV-23, CVF-23
		TH-26	36" – 91 cm 48" – 122 cm	3N08 3U08	SH	V-20
		TH-35	48" – 122 cm	3U06	MH	V-26
Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-17	36" – 91 cm	3N14	V-4	KV-15
Piercing point 1/2 circle		PH-17	36" – 91 cm	3N12	V-5	KV-5
		PH-24	36" – 91 cm 48" – 122 cm	3N10 3U10	V-7	KV-7
		PH-30	42" – 107 cm	3P24	N/A	N/A
		PH-35	48" – 122 cm	3U20	V-34	KV-34

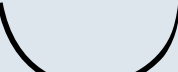
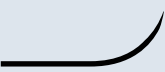
THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES		
CV-8 7-0	CV-7 6-0	CV-6 5-0	CV-5 4-0	CV-4 3-0	CV-3 2-0	CV-2 0	CV-0 1
					Single-armed needles	Double-armed needles	

CV-2 Thread size

|

Approximate USP size 0

Single-armed needles

Needle type	Single-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
⦿ Taper point 1/2 circle		TH-26	36" – 91 cm	2N01	SH	V-20
		THX-22	36" – 91 cm	2N03	M07	GS-23
		THX-25	36" – 91 cm	2N13	M06	GS-22
		THX-26	36" – 91 cm	2N05	CT-2	GS-22
			48" – 122 cm	2U05		
		THX-36	36" – 91 cm	2N07	CT-1	GS-21
⦿ Taper point 5/8 circle Smooth, even point for easily penetrated tissues, tapered body		TFX-25	36" – 91 cm	2N19	UR-6	GU-46
⦿ Taper point 1/2 curve (ski)		TLX-25	48" – 122 cm	2U17	EN-S	SK
⦿ Taper point straight		TS-50	36" – 91 cm	2N23	ST-1	ST-1
▲ Straight cutting		CS-65	30" – 76 cm	2M25	KS	N/A

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES
CV-8 7-0	CV-7 6-0	CV-6 5-0	CV-5 4-0	CV-4 3-0	CV-3 2-0
					CV-2 0
					CV-0 1
Single-armed needles					Double-armed needles

CV-2 Thread size

|

Approximate USP size 0

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
⦿ Taper point 1/2 circle		TH-26	36" – 91 cm	2N02	SH	V-20
			48" – 122 cm	2U02		
		THX-26	36" – 91 cm	2N06	CT-2	GS-22
			48" – 122 cm	2U06		
		THX-36	36" – 91 cm	2N08	CT-1	GS-21
			42" – 107 cm	2P08		
▲ Piercing point 1/2 circle Cutting edges for tough tissue, triangular body		PH-24	36" – 91 cm	2N10	V-7	KV-7
			48" – 122 cm	2U10	V-5	KV-5
▲ Piercing point		PS-4	48" – 122 cm	2U22	N/A	N/A
		PS-4 THX-26	48" – 122 cm	M2U28	N/A	N/A

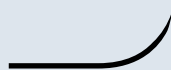
THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES		
CV-8 7-0	CV-7 6-0	CV-6 5-0	CV-5 4-0	CV-4 3-0	CV-3 2-0	CV-2 0	CV-0 1
Single-armed needles					Double-armed needles		

CV-0 Thread size

|

Approximate USP size 1

Single-armed needles

Needle type	Single-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
Taper point 1/2 circle		TH-50	48" – 122 cm	0U01	CTX	GS-25
		THX-25	36" – 91 cm	0N13	M06	GS-22
		THX-26	36" – 91 cm	0N05	CT-2	GS-22
		THX-36	36" – 91 cm	0N07	CT-1	GS-21
Taper point 5/8 circle		TFX-25	36" – 91 cm	0N09	UR-6	GU-46
Taper point 1/2 curve (ski) Smooth, even point for easily penetrated tissues, tapered body		TLX-25	48" – 122 cm	0U03	EN-S	SK

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES		
CV-8 7-0	CV-7 6-0	CV-6 5-0	CV-5 4-0	CV-4 3-0	CV-3 2-0	CV-2 0	CV-0 1
Single-armed needles					Double-armed needles		

CV-0 Thread size

|

Approximate USP size 1

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
⦿ Taper point 1/2 circle		THX-26	48” — 122 cm	0U06	CT-2	GS-22
		THX-36	36" – 91 cm	0N08	CT-1	GS-21

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES
18" – 46 cm	24" – 61 cm	30" – 76 cm	36" – 91 cm	42" – 107 cm	48" – 122 cm
Single-armed needles	Double-armed needles				

18" – 46 cm thread lengths Double-armed needles

				Thread size:	CV-8	CV-7	CV-6		
				Approximate USP size:	7-0	6-0	5-0		
Needle type	Double-armed needles	Needle code	Thread length	Catalogue number			Ethicon reference	Medtronic reference	
⦿ Taper point 3/8 circle		TTc-9	18" – 46 cm	8J02	7J02	6J02	BV-1, BV175-8	CV-1, CVF-1, MV-175-8	
		TTc-13	18" – 46 cm			6J04	C-1	CV-11, CVF-11	
		THc-13	18" – 46 cm		7J10	6J12	RB-2	CV-22, CVF-22	

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES
18" – 46 cm	24" – 61 cm	30" – 76 cm	36" – 91 cm	42" – 107 cm	48" – 122 cm
Single-armed needles	Double-armed needles				

24" – 61 cm thread lengths Double-armed needles

								Thread size:	
								CV-8	CV-7
								CV-6	CV-5
								Approximate USP size:	
								7-0	6-0
								5-0	4-0
Needle type	Double-armed needles	Needle code	Thread length	Catalogue number				Ethicon reference	Medtronic reference
Taper point 3/8 circle		TTc-7	24" – 61 cm	8K10				BV130-5	CV-351, MV-135-5
		TTc-9	24" – 61 cm	8K02	7K02	6K02		BV-1, BV175-8	CV-1, CVF-1, MV-175-8
		TTc-12	24" – 61 cm			6K10		BV	CV-11, CVF
		TTc-13	24" – 61 cm		7K06	6K04	5K02	C-1	CV-11, CVF-11
		THc-13	24" – 61 cm			6K12	5K12	RB-2	CV-22, CVF-22
Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-9	24" – 61 cm	8K08	7K04	6K06		CC	KV-1
		PT-13	24" – 61 cm		7K08	6K08	5K08	CC-1	KV-11

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES
18" – 46 cm	24" – 61 cm	30" – 76 cm	36" – 91 cm	42" – 107 cm	48" – 122 cm
Single-armed needles	Double-armed needles				

30" – 76 cm thread lengths Single-armed needles

					Thread size:	CV-2
					Approximate USP size:	0
Needle type	Single-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
▲ Straight cutting Cutting edges for tough tissue, triangular body		CS-65	30" – 76 cm	2M25	KS	N/A

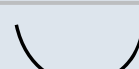
THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES
18" – 46 cm	24" – 61 cm	30" – 76 cm	36" – 91 cm	42" – 107 cm	48" – 122 cm
Single-armed needles	Double-armed needles				

30" – 76 cm thread lengths Double-armed needles

								Thread size:	
								CV-8	CV-7
								CV-6	CV-5
								Approximate USP size:	
								7-0	6-0
								5-0	4-0
Needle type	Double-armed needles	Needle code	Thread length	Catalogue number				Ethicon reference	Medtronic reference
Taper point 3/8 circle		TTc-9	30" – 76 cm	8M02	7M02	6M02		BV-1, BV175-8	CV-1, CVF-1, MV-175-8
		TTc-12	30" – 76 cm		7M12	6M10		BV	CV-11, CVF
		TTc-13	30" – 76 cm	8M04	7M06	6M04	5M02	C-1	CV-11, CVF-11
Taper point 1/2 circle		THc-9	30" – 76 cm			6M24		N/A	CV-20
		THc-13	30" – 76 cm		7M10	6M12	5M12	RB-2	CV-22, CVF-22
Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-9	30" – 76 cm	8M08	7M04	6M06		CC	KV-1
		PT-13	30" – 76 cm	8M06	7M08	6M08		CC-1	KV-11
Piercing point 1/2 circle		PH-13	30" – 76 cm			6M14	5M16	N/A	N/A

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES
18" – 46 cm	24" – 61 cm	30" – 76 cm	36" – 91 cm	42" – 107 cm	48" – 122 cm
Single-armed needles			Double-armed needles		

36" – 91 cm thread lengths Single-armed needles

							Thread size:	
							CV-3	CV-2
							CV-0	
							Approximate USP size:	2-0
							0	1
Needle type	Single-armed needles	Needle code	Thread length	Catalogue number			Ethicon reference	Medtronic reference
Taper point 1/2 circle		TH-26	36" – 91 cm	3N07	2N01		SH	V-20
		THX-22	36" – 91 cm		2N03		M07	GS-23
		THX-25	36" – 91 cm		2N13	0N13	M06	GS-22
		THX-26	36" – 91 cm		2N05	0N05	CT-2	GS-22
		THX-36	36" – 91 cm		2N07	0N07	CT-1	GS-21
Taper point 5/8 circle		TFX-25	36" – 91 cm		2N19	0N09	UR-6	GU-46
Taper point straight		TS-50	36" – 91 cm		2N23		ST-1	ST-1

† With ePTFE pledgets (3)
 †† With ePTFE pledgets (4)

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES
18" – 46 cm	24" – 61 cm	30" – 76 cm	36" – 91 cm	42" – 107 cm	48" – 122 cm
Single-armed needles			Double-armed needles		

36" – 91 cm thread lengths Double-armed needles

				Thread size:	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0		
				Approximate USP size:	5-0	4-0	3-0	2-0	0	1		
Needle type	Double-armed needles	Needle code	Thread length	Catalogue number						Ethicon reference	Medtronic reference	
 Taper point 3/8 circle		TTc-13	36" – 91 cm	6N04	5N02						C-1	CV-11, CVF-11
		TT-17	36" – 91 cm		5N06	4N04	3N02				BB	CV-15, CVF-15
 Taper point 1/2 circle		THc-13	36" – 91 cm		5N12						RB-2	CV-22, CVF-22
		TH-18	36" – 91 cm	6N16	5N04	4N02	3N04				RB-1	CV-23, CVF-23
		TH-22 (with pledgets)	36" – 91 cm		3201 ^{††} 3202 [†]	3200 ^{††}					SH-1	CV-25
		TH-26	36" – 91 cm		5N20	4N06	3N08	2N02			SH	V-20
		TH-35	36" – 91 cm			4N12					MH	V-26
		THX-26	36" – 91 cm						2N06		CT-2	GS-22
		THX-36	36" – 91 cm						2N08	0N08	CT-1	GS-21
 Taper point straight		PT-13	36" – 91 cm		5N08						CC-1	KV-11
		PT-17	36" – 91 cm		5N10	4N10	3N14				V-4	KV-15
		PH-17	36" – 91 cm		5N14	4N08	3N12				V-5	KV-5
		PH-24	36" – 91 cm			4N16	3N10	2N10			V-7	KV-7

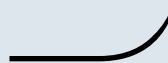
THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES
18" – 46 cm	24" – 61 cm	30" – 76 cm	36" – 91 cm	42" – 107 cm	48" – 122 cm
Single-armed needles			Double-armed needles		

42" – 107 cm thread lengths Double-armed needles

					Thread size:	CV-3	CV-2
					Approximate USP size:	2-0	0
Needle type						Ethicon reference	Medtronic reference
Double-armed needles		Needle code	Thread length	Catalogue number			
 Taper point 1/2 circle		THX-36	42" – 107 cm		2P08	CT-1	GS-21
 Piercing point 1/2 circle		PH-30	42" – 107 cm	3P24		N/A	N/A

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES
18" – 46 cm	24" – 61 cm	30" – 76 cm	36" – 91 cm	42" – 107 cm	48" – 122 cm
Single-armed needles			Double-armed needles		

48" – 122 cm thread lengths Single-armed needles

				Thread size:	CV-4	CV-3	CV-2	CV-0		
				Approximate USP size:	3-0	2-0	0	1		
Needle type	Single-armed needles	Needle code	Thread length	Catalogue number				Ethicon reference	Medtronic reference	
 Taper point 1/2 circle		TH-50	48" – 122 cm				0U01	CTX	GS-25	
		THX-26	48" – 122 cm			2U05		CT-2	GS-22	
 Taper point 1/2 curve (ski) Smooth, even point for easily penetrated tissues, tapered body		TLX-25	48" – 122 cm			2U17	0U03	EN-S	SK	

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES
18" – 46 cm	24" – 61 cm	30" – 76 cm	36" – 91 cm	42" – 107 cm	48" – 122 cm
Single-armed needles			Double-armed needles		

48" – 122 cm thread lengths

Double-armed needles

		Thread size:		CV-4	CV-3	CV-2	CV-0		
		Approximate USP size:		3-0	2-0	0	1		
Needle type	Double-armed needles	Needle code	Thread length	Catalogue number				Ethicon reference	Medtronic reference
Taper point 1/2 circle		TH-18	48" – 122 cm	4U02				RB-1	CV-23, CVF-23
		TH-26	48" – 122 cm	4U06	3U08	2U02		SH	V-20
		TH-35	48" – 122 cm		3U06			MH	V-26
		THX-26	48" – 122 cm			2U06	0U06	CT-2	GS-22
Piercing Point 1/2 Circle		PH-24	48" – 122 cm	4U16	3U10	2U10		V-7	KV-7
Multi-needle		PH-35	48" – 122 cm		3U20			V-34	KV-34
Piercing point		PS-4	48" – 122 cm			2U22		N/A	N/A
		PS-4 THX-26	48" – 122 cm			M2U28		N/A	N/A

Thread sizes		Thread length		Needle point		Needle-to-thread ratio		Catalogue numbers		Procedures	
Taper point 3/8 circle	Taper point 1/2 circle	Taper point 5/8 circle	Taper point 1/2 curve (ski)	Taper point straight	Piercing point 3/8 circle	Piercing point 1/2 circle	Multi-needle	Piercing point	Straight cutting		
Single-armed needles			Double-armed needles								

Taper point 3/8 circle

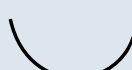
Double-armed needles

		Thread size:		CV-8	CV-7	CV-6	CV-5	CV-4	CV-3		
		Approximate USP size:		7-0	6-0	5-0	4-0	3-0	2-0		
Double-armed needles	Needle code	Thread length	Catalogue number						Ethicon reference		Medtronic reference
	TTc-7	24" – 61 cm	8K10							BV130-5	CV-351, MV-135-5
	TTc-9	18" – 46 cm	8J02	7J02	6J02					BV-1, BV175-8	CV-1, CVF-1, MV-175-8
		24" – 61 cm	8K02	7K02	6K02						
		30" – 76 cm	8M02	7M02	6M02						
	TTc-12	24" – 61 cm			6K10					BV	CV-11, CVF
		30" – 76 cm		7M12	6M10						
	TTc-13	18" – 46 cm			6J04					C-1	CV-11, CVF-11
		24" – 61 cm		7K06	6K04	5K02					
		30" – 76 cm	8M04	7M06	6M04	5M02					
		36" – 91 cm			6N04	5N02					
	TT-17	36" – 91 cm				5N06	4N04	3N02		BB	CV-15, CVF-15

Thread sizes		Thread length		Needle point	Needle-to-thread ratio		Catalogue numbers	Procedures	
Taper point 3/8 circle	Taper point 1/2 circle	Taper point 5/8 circle	Taper point 1/2 curve (ski)	Taper point straight	Piercing point 3/8 circle	Piercing point 1/2 circle	Multi-needle	Piercing point	Straight cutting
Single-armed needles		Double-armed needles							

Taper point 1/2 circle

Single-armed needles

				Thread size:	CV-3	CV-2	CV-0		
				Approximate USP size:	2-0	0	1		
Single-armed needles	Needle code	Thread length	Catalogue Number			Ethicon reference	Medtronic reference		
	TH-26	36" – 91 cm	3N07	2N01		SH	V-20		
	TH-50	48" – 122 cm			0U01	CTX	GS-25		
	THX-22	36" – 91 cm		2N03		M07	GS-23		
	THX-25	36" – 91 cm		2N13	0N13	M06	GS-22		
	THX-26	36" – 91 cm		2N05	0N05	CT-2	GS-22		
		48" – 122 cm		2U05					
	THX-36	36" – 91 cm		2N07	0N07	CT-1	GS-21		

† With ePTFE pledgets (3)

†† With ePTFE pledgets (4)

Thread sizes		Thread length		Needle point		Needle-to-thread ratio		Catalogue numbers		Procedures	
Taper point 3/8 circle	Taper point 1/2 circle	Taper point 5/8 circle	Taper point 1/2 curve (ski)	Taper point straight	Piercing point 3/8 circle	Piercing point 1/2 circle	Multi-needle	Piercing point	Straight cutting		
Single-armed needles		Double-armed needles									



Taper point 1/2 circle

Double-armed needles

		Thread size:		CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0		
		Approximate USP size:		6-0	5-0	4-0	3-0	2-0	0	1		
Double-armed needles	Needle code	Thread length	Catalogue Number								Ethicon reference	Medtronic reference
	THc-9	30" – 76 cm		6M24							N/A	CV-20
	THc-13	18" – 46 cm	7J10	6J12							RB-2	CV-22, CVF-22
		24" – 61 cm		6K12	5K12							
		30" – 76 cm	7M10	6M12	5M12							
		36" – 91 cm			5N12							
	TH-18	36" – 91 cm		6N16	5N04	4N02	3N04				RB-1	CV-23, CVF-23
		48" – 122 cm				4U02						
	TH-22 (with pledgets)	36" – 91 cm			3201 ^{††} 3202 [†]	3200 ^{††}					SH-1	CV-25
	TH-26	36" – 91 cm			5N20	4N06	3N08	2N02			SH	V-20
		48" – 122 cm				4U06	3U08	2U02				
	TH-35	36" – 91 cm				4N12					MH	V-26
		48" – 122 cm					3U06					
	THX-26	36" – 91 cm							2N06		CT-2	GS-22
		48" – 122 cm							2U06	0U06		
	THX-36	36" – 91 cm							2N08	0N08	CT-1	GS-21
		42" – 107 cm							2P08			

† With ePTFE pledgets (3)

†† With ePTFE pledgets (4)

THREAD SIZES		THREAD LENGTH		NEEDLE POINT	NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS	PROCEDURES	
Taper point 3/8 circle	Taper point 1/2 circle	Taper point 5/8 circle	Taper point 1/2 curve (ski)	Taper point straight	Piercing point 3/8 circle	Piercing point 1/2 circle	Multi-needle	Piercing point	Straight cutting
Single-armed needles		Double-armed needles							

⦿

Taper point 5/8 circle

Single-armed needles

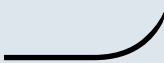
				Thread size:	CV-2	CV-0
				Approximate USP size:	0	1
Single-armed needles	Needle code	Thread length	Catalogue number		Ethicon reference	Medtronic reference
	TFX-25	36" – 91 cm	2N19	0N09	UR-6	GU-46

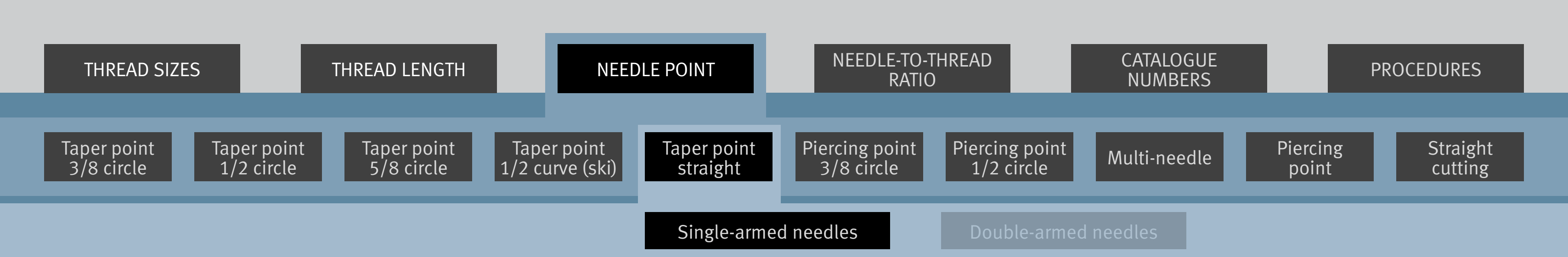
THREAD SIZES		THREAD LENGTH		NEEDLE POINT	NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS	PROCEDURES	
Taper point 3/8 circle	Taper point 1/2 circle	Taper point 5/8 circle	Taper point 1/2 curve (ski)	Taper point straight	Piercing point 3/8 circle	Piercing point 1/2 circle	Multi-needle	Piercing point	Straight cutting
Single-armed needles		Double-armed needles							

⦿

Taper point 1/2 curve

Single-armed needles

				Thread size:	CV-2	CV-0
				Approximate USP size:	0	1
Single-armed needles	Needle code	Thread length	Catalogue number		Ethicon reference	Medtronic reference
	TLX-25	48” – 122 cm	2U17	0U03	EN-S	SK



⦿ **Taper point straight**
Single-armed needles

Thread size:				CV-2	
Approximate USP size:				0	
Single-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
	TS-50	36" – 91 cm	2N23	ST-1	ST-1

Thread sizes		Thread length		Needle point		Needle-to-thread ratio		Catalogue numbers		Procedures	
Taper point 3/8 circle	Taper point 1/2 circle	Taper point 5/8 circle	Taper point 1/2 curve (ski)	Taper point straight	Piercing point 3/8 circle	Piercing point 1/2 circle	Multi-needle	Piercing point	Straight cutting		
Single-armed needles						Double-armed needles					

▲

Piercing point 1/2 circle

Double-armed needles

			Thread size:	CV-6	CV-5	CV-4	CV-3	CV-2		
			Approximate USP size:	5-0	4-0	3-0	2-0	0		
Double-armed needles	Needle code	Thread length	Catalogue number					Ethicon reference	Medtronic reference	
	PH-13	30" – 76 cm	6M14	5M16				N/A	N/A	
	PH-17	36" – 91 cm		5N14	4N08	3N12		V-5	KV-5	
	PH-24	36" – 91 cm			4N16	3N10	2N10	V-7	KV-7	
		48" – 122 cm			4U16	3U10	2U10			
	PH-30	42" – 107 cm				3P24		N/A	N/A	
	PH-35	48" – 122 cm			3U20			V-34	KV-34	

THREAD SIZES		THREAD LENGTH		NEEDLE POINT	NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS	PROCEDURES	
Taper point 3/8 circle	Taper point 1/2 circle	Taper point 5/8 circle	Taper point 1/2 curve (ski)	Taper point straight	Piercing point 3/8 circle	Piercing point 1/2 circle	Multi-needle	Piercing point	Straight cutting
				Single-armed needles		Double-armed needles			

Multi-needle

Double-armed needles

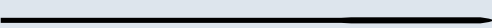
				Thread size:		CV-4
				Approximate USP size:		0
Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference	
	THX-26 PS-4	48” – 122 cm	M2U28	N/A	N/A	

Thread sizes		Thread length		Needle point	Needle-to-thread ratio		Catalogue numbers	Procedures	
Taper point 3/8 circle	Taper point 1/2 circle	Taper point 5/8 circle	Taper point 1/2 curve (ski)	Taper point straight	Piercing point 3/8 circle	Piercing point 1/2 circle	Multi-needle	Piercing point	Straight cutting
						Single-armed needles	Double-armed needles		

▲

Straight cutting

Single-armed needles

				Thread size:	CV-2
				Approximate USP size:	0
Single-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
	CS-65	30" – 76 cm	2M25	KS	N/A

Thread Sizes		Thread Length		Needle Point		Needle-to-Thread Ratio		Catalogue Numbers	Procedures
1 : 1	1.2 : 1	1.3 : 1	1.4 : 1	1.5 : 1	1.6 : 1	1.7 : 1	1.8 : 1	1.9 : 1	2.2 : 1

All products and needle-to-thread ratios

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1
	ПC-7 (1.6:1)	ПC-9 (1.4:1)	ПC-9 (1:1)	ПC-13 (1:1)	П-17 (1.2:1)	П-17 (1:1)	TFX-25 (1.6:1)	TFX-25 (1.6:1)
	ПC-9 (1.9:1)	ПC-12 (1.4:1)	ПC-12 (1:1)	П-17 (1.2:1)	TH-18 (1.2:1)	TH-18 (1:1)	TLX-25 (1.9:1)	TLX-25 (1.6:1)
	ПC-13 (2.2:1)	ПC-13 (1.6:1)	ПC-13 (1.4:1)	THc-13 (1:1)	TH-22 (1.3:1)	TH-26 (1.2:1)	TH-26 (1:1)	TH-50 (1.6:1)
	PT-9 (1.9:1)	THc-13 (1.6:1)	THc-9 (1:1)	TH-18 (1.2:1)	TH-26 (1.6:1)	TH-35 (1.2:1)	THX-22 (1.9:1)	THX-25 (1.6:1)
	PT-13 (2.2:1)	PT-9 (1.4:1)	THc-13 (1.4:1)	TH-22 (1.7:1)	TH-35 (1.6:1)	PT-17 (1:1)	THX-25 (1.9:1)	THX-26 (1.3:1)
		PT-13 (1.6:1)	TH-18 (1.6:1)	TH-26 (1.7:1)	PT-17 (1.2:1)	PH-17 (1:1)	THX-26 (1.6:1)	THX-36 (1.3:1)
			PT-9 (1:1)	PT-13 (1:1)	PH-17 (1.2:1)	PH-24 (1.2:1)	THX-36 (1.6:1)	
			PT-13 (1.4:1)	PT-17 (1.2:1)	PH-24 (1.6:1)	PH-30 (1.3:1)	PH-24 (1:1)	
			PH-13 (1.4:1)	PH-13 (1:1)	PH-35 (1.8:1)	PH-35 (1.5:1)	PS-4 (1.9:1)	
				PH-17 (1.2:1)		CS-65 (1.4:1)	CS-65 (1.2:1)	
							TS-50 (1.2:1)	

Indicates products with 1:1 needle-to-thread ratio

Thread Sizes		Thread Length		Needle Point		Needle-to-Thread Ratio		Catalogue Numbers		Procedures	
1 : 1	1.2 : 1	1.3 : 1	1.4 : 1	1.5 : 1	1.6 : 1	1.7 : 1	1.8 : 1	1.9 : 1	2.2 : 1		

1 : 1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1
			TTc-9 (1:1)	TTc-13 (1:1)		TT-17 (1:1)	TH-26 (1:1)	
			TTc-12 (1:1)	THc-13 (1:1)		TH-18 (1:1)	PH-24 (1:1)	
			THc-9 (1:1)	PT-13 (1:1)		PT-17 (1:1)		
			PT-9 (1:1)	PH-13 (1:1)		PH-17 (1:1)		

Indicates products with 1:1 needle-to-thread ratio

Thread Sizes		Thread Length		Needle Point		Needle-to-Thread Ratio		Catalogue Numbers		Procedures	
1 : 1	1.2 : 1	1.3 : 1	1.4 : 1	1.5 : 1	1.6 : 1	1.7 : 1	1.8 : 1	1.9 : 1	2.2 : 1		

1.2 : 1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1
				TT-17 (1.2:1)	TT-17 (1.2:1)	TH-26 (1.2:1)	CS-65 (1.2:1)	
				TH-18 (1.2:1)	TH-18 (1.2:1)	TH-35 (1.2:1)	TS-50 (1.2:1)	
				PT-17 (1.2:1)	PT-17 (1.2:1)	PH-24 (1.2:1)		
				PH-17 (1.2:1)	PH-17 (1.2:1)			

Thread Sizes		Thread Length		Needle Point		Needle-to-Thread Ratio		Catalogue Numbers		Procedures	
1 : 1	1.2 : 1	1.3 : 1	1.4 : 1	1.5 : 1	1.6 : 1	1.7 : 1	1.8 : 1	1.9 : 1	2.2 : 1		

1.3 : 1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1
					TH-22 (1.3:1)	PH-30 (1.3:1)	THX-26 (1.3:1)	
					THX-36 (1.3:1)			

Thread Sizes		Thread Length		Needle Point		Needle-to-Thread Ratio		Catalogue Numbers	Procedures
1 : 1	1.2 : 1	1.3 : 1	1.4 : 1	1.5 : 1	1.6 : 1	1.7 : 1	1.8 : 1	1.9 : 1	2.2 : 1

1.4 : 1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1

Thread Sizes		Thread Length		Needle Point		Needle-to-Thread Ratio		Catalogue Numbers		Procedures	
1 : 1	1.2 : 1	1.3 : 1	1.4 : 1	1.5 : 1	1.6 : 1	1.7 : 1	1.8 : 1	1.9 : 1	2.2 : 1		

1.5 : 1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1

PH-35 (1.5:1)

Thread Sizes		Thread Length		Needle Point		Needle-to-Thread Ratio	Catalogue Numbers		Procedures
1 : 1	1.2 : 1	1.3 : 1	1.4 : 1	1.5 : 1	1.6 : 1	1.7 : 1	1.8 : 1	1.9 : 1	2.2 : 1

1.6 : 1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1
	TTc-7 (1.6:1)	TTc-13 (1.6:1)	TH-18 (1.6:1)		TH-26 (1.6:1)		TFX-25 (1.6:1)	TFX-25 (1.6:1)
		THc-13 (1.6:1)			TH-35 (1.6:1)		THX-26 (1.6:1)	TLX-25 (1.6:1)
		PT-13 (1.6:1)			PH-24 (1.6:1)		THX-36 (1.6:1)	TH-50 (1.6:1)
								THX-25 (1.6:1)

Thread Sizes		Thread Length		Needle Point		Needle-to-Thread Ratio		Catalogue Numbers	Procedures	
1 : 1	1.2 : 1	1.3 : 1	1.4 : 1	1.5 : 1	1.6 : 1	1.7 : 1	1.8 : 1	1.9 : 1	2.2 : 1	

1.7 : 1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1

TH-22 (1.7:1)

TH-26 (1.7:1)

Thread Sizes		Thread Length		Needle Point		Needle-to-Thread Ratio		Catalogue Numbers	Procedures	
1 : 1	1.2 : 1	1.3 : 1	1.4 : 1	1.5 : 1	1.6 : 1	1.7 : 1	1.8 : 1	1.9 : 1	2.2 : 1	

1.8 : 1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1

PH-35 (1.8:1)

Thread Sizes		Thread Length		Needle Point		Needle-to-Thread Ratio		Catalogue Numbers	Procedures
1 : 1	1.2 : 1	1.3 : 1	1.4 : 1	1.5 : 1	1.6 : 1	1.7 : 1	1.8 : 1	1.9 : 1	2.2 : 1

1.9 : 1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1

TTc-9 (1.9:1)	TLX-25 (1.9:1)
PT-9 (1.9:1)	THX-22 (1.9:1)
	THX-25 (1.9:1)
	PS-4 (1.9:1)

Thread Sizes		Thread Length		Needle Point		Needle-to-Thread Ratio		Catalogue Numbers		Procedures	
1 : 1	1.2 : 1	1.3 : 1	1.4 : 1	1.5 : 1	1.6 : 1	1.7 : 1	1.8 : 1	1.9 : 1	2.2 : 1		

2.2 : 1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1

TTc-13 (2.2:1)

PT-13 (2.2:1)

THREAD SIZES		THREAD LENGTH		NEEDLE POINT		NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS		PROCEDURES					
CV-8 7-0		CV-7 6-0		CV-6 5-0		CV-5 4-0		CV-4 3-0		CV-3 2-0		CV-2 0		CV-0 1	
Single-armed needles				Double-armed needles											

CV-8 Thread size

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Approximate USP size 7-0

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
8J02	CV-8	18" (46 cm)	TTc-9
8K02	CV-8	24" (61 cm)	TTc-9
8K08	CV-8	24" (61 cm)	PT-9
8K10	CV-8	24" (61 cm)	TTc-7
8M02	CV-8	30" (76 cm)	TTc-9
8M04	CV-8	30" (76 cm)	TTc-13
8M06	CV-8	30" (76 cm)	PT-13
8M08	CV-8	30" (76 cm)	PT-9

THREAD SIZES		THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES	
CV-8 7-0	CV-7 6-0	CV-6 5-0	CV-5 4-0	CV-4 3-0	CV-3 2-0	CV-2 0	CV-0 1
Single-armed needles		Double-armed needles					

CV-7 Thread size

|

Approximate USP size 6-0

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
7J02	CV-7	18" (46 cm)	TTc-9
7J10	CV-7	18" (46 cm)	THc-13
7K02	CV-7	24" (61 cm)	TTc-9
7K04	CV-7	24" (61 cm)	PT-9
7K06	CV-7	24" (61 cm)	TTc-13
7K08	CV-7	24" (61 cm)	PT-13
7M02	CV-7	30" (76 cm)	TTc-9
7M04	CV-7	30" (76 cm)	PT-9
7M06	CV-7	30" (76 cm)	TTc-9
7M08	CV-7	30" (76 cm)	PT-13
7M10	CV-7	30" (76 cm)	THc-13
7M12	CV-7	30" (76 cm)	TTc-12

THREAD SIZES		THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES	
CV-8 7-0	CV-7 6-0	CV-6 5-0	CV-5 4-0	CV-4 3-0	CV-3 2-0	CV-2 0	CV-0 1
Single-armed needles		Double-armed needles					

CV-6 Thread size

|

Approximate USP size 5-0

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
6J02	CV-6	18" (46 cm)	TTc-9
6J04	CV-6	18" (46 cm)	TTc-13
6K02	CV-6	24" (61 cm)	TTc-9
6K04	CV-6	24" (61 cm)	TTc-13
6K06	CV-6	24" (61 cm)	PT-9
6K08	CV-6	24" (61 cm)	PT-13
6K10	CV-6	24" (61 cm)	TTc-12
6K12	CV-6	24" (61 cm)	THc-13
6M02	CV-6	30" (76 cm)	TTc-9
6M04	CV-6	30" (76 cm)	TTc-13
6M06	CV-6	30" (76 cm)	PT-9
6M08	CV-6	30" (76 cm)	PT-13
6M10	CV-6	30" (76 cm)	TTc-12
6M12	CV-6	30" (76 cm)	THc-13
6M14	CV-6	30" (76 cm)	PH-13
6M24	CV-6	30" (76 cm)	TH-9
6N04	CV-6	36" (91 cm)	TTc-13
6N16	CV-6	36" (91 cm)	TH-18

Bold indicates 1:1 needle to thread ratio to minimize suture hole bleeding.

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

CV-8 | 7-0

CV-7 | 6-0

CV-6 | 5-0

CV-5 | 4-0

CV-4 | 3-0

CV-3 | 2-0

CV-2 | 0

CV-0 | 1

Single-armed needles

Double-armed needles

CV-5 Thread size | Approximate USP size 4-0

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
5K02	CV-5	24" (61 cm)	TTc-13
5K08	CV-5	24" (61 cm)	PT-13
5K12	CV-5	24" (61 cm)	THc-13
5M02	CV-5	30" (76 cm)	TTc-13
5M12	CV-5	30" (76 cm)	THc-13
5M16	CV-5	30" (76 cm)	PH-13
5N02	CV-5	36" (91 cm)	TTc-13
5N04	CV-5	36" (91 cm)	TH-18
5N06	CV-5	36" (91 cm)	TT-17
5N08	CV-5	36" (91 cm)	PT-13
5N10	CV-5	36" (91 cm)	PT-17
5N12	CV-5	36" (91 cm)	THc-13
5N14	CV-5	36" (91 cm)	PH-17
5N20	CV-5	36" (91 cm)	TH-26

Catalogue number	Thread size	Thread length	Needle code
3201*	CV-5	36" (91 cm)	TT-22
3202**	CV-5	36" (91 cm)	TH-22

* With ePTFE pledgets (4)
** With ePTFE pledgets (3)

Bold indicates 1:1 needle to thread ratio to minimize suture hole bleeding.

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

CV-8 | 7-0

CV-7 | 6-0

CV-6 | 5-0

CV-5 | 4-0

CV-4 | 3-0

CV-3 | 2-0

CV-2 | 0

CV-0 | 1

Single-armed needles

Double-armed needles

CV-4 Thread size | Approximate USP size 3-0

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
4N02	CV-4	36" (91 cm)	TH-18
4N04	CV-4	36" (91 cm)	TT-17
4N06	CV-4	36" (91 cm)	TH-26
4N08	CV-4	36" (91 cm)	PH-17
4N10	CV-4	36" (91 cm)	PT-17
4N12	CV-4	36" (91 cm)	TH-35
4N16	CV-4	36" (91 cm)	PH-24
4U02	CV-4	48" (122 cm)	TH-18
4U06	CV-4	48" (122 cm)	TH-26
4U16	CV-4	48" (122 cm)	PH-24

Catalogue number	Thread size	Thread length	Needle code
3200*	CV-4	36" (91 cm)	TT-22

* With ePTFE pledgets (4)

THREAD SIZES		THREAD LENGTH		NEEDLE POINT		NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS		PROCEDURES					
CV-8 7-0		CV-7 6-0		CV-6 5-0		CV-5 4-0		CV-4 3-0		CV-3 2-0		CV-2 0		CV-0 1	
Single-armed needles						Double-armed needles									

CV-3 Thread size

|

Approximate USP size 2-0

Single-armed needles

Catalogue number	Thread size	Thread length	Needle code
3N07	CV-3	36" (91 cm)	TH-26

THREAD SIZES		THREAD LENGTH		NEEDLE POINT		NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS		PROCEDURES					
CV-8 7-0		CV-7 6-0		CV-6 5-0		CV-5 4-0		CV-4 3-0		CV-3 2-0		CV-2 0		CV-0 1	
Single-armed needles						Double-armed needles									

CV-3 Thread size

|

Approximate USP size 2-0

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
3N02	CV-3	36" (91 cm)	TT-17
3N04	CV-3	36" (91 cm)	TH-18
3N06	CV-3	36" (91 cm)	TH-35
3N08	CV-3	36" (91 cm)	TH-26
3N10	CV-3	36" (91 cm)	PH-24
3N12	CV-3	36" (91 cm)	PH-17
3N14	CV-3	36" (91 cm)	PT-17
3P24	CV-3	42" (107 cm)	PH-30
3U06	CV-3	48" (122 cm)	TH-35
3U08	CV-3	48" (122 cm)	TH-26
3U10	CV-3	48" (122 cm)	PH-24
3U20	CV-3	48" (122 cm)	PH-35

THREAD SIZES		THREAD LENGTH		NEEDLE POINT		NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS		PROCEDURES					
CV-8 7-0		CV-7 6-0		CV-6 5-0		CV-5 4-0		CV-4 3-0		CV-3 2-0		CV-2 0		CV-0 1	
Single-armed needles										Double-armed needles					

CV-2 Thread size

|

Approximate USP size 0

Single-armed needles

Catalogue number	Thread size	Thread length	Needle code
2M25	CV-2	30" (76 cm)	CS-65
2N01	CV-0	36" (91 cm)	THX-26
2N03	CV-0	36" (91 cm)	THX-36
2N05	CV-0	36" (91 cm)	TFX-25
2N07	CV-0	48" (122 cm)	TH-50
2N13	CV-0	36" (91 cm)	THX-36
2N19	CV-0	48" (122 cm)	TLX-25
2N23	CV-0	48" (122 cm)	THX-26
2U05	CV-0	36" (91 cm)	THX-25

THREAD SIZES		THREAD LENGTH		NEEDLE POINT		NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS		PROCEDURES					
CV-8 7-0		CV-7 6-0		CV-6 5-0		CV-5 4-0		CV-4 3-0		CV-3 2-0		CV-2 0		CV-0 1	
Single-armed needles										Double-armed needles					

CV-2 Thread size

|

Approximate USP size 0

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
2N02	CV-2	36" (91 cm)	TH-26
2N06	CV-2	36" (91 cm)	THX-26
2N08	CV-2	36" (91 cm)	THX-36
2N10	CV-2	36" (91 cm)	PH-24
2P08	CV-2	42" (107 cm)	THX-36
2U02	CV-2	48" (122 cm)	TH-26
2U06	CV-2	48" (122 cm)	THX-26
2U10	CV-2	48" (122 cm)	PH-24
2U22	CV-2	48" (122 cm)	PS-4
M2U28	CV-2	48" (122 cm)	PS-4, THX-26

THREAD SIZES		THREAD LENGTH		NEEDLE POINT		NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS		PROCEDURES					
CV-8 7-0		CV-7 6-0		CV-6 5-0		CV-5 4-0		CV-4 3-0		CV-3 2-0		CV-2 0		CV-0 1	
Single-armed needles										Double-armed needles					

CV-0 Thread size

|

Approximate USP size 1

Single-armed needles

Catalogue number	Thread size	Thread length	Needle code
0N05	CV-0	36" (91 cm)	THX-26
0N07	CV-0	36" (91 cm)	THX-36
0N09	CV-0	36" (91 cm)	TFX-25
0N13	CV-0	36" (91 cm)	THX-25
0U01	CV-0	48" (122 cm)	TH-50
0U03	CV-0	48" (122 cm)	TLX-25

THREAD SIZES		THREAD LENGTH		NEEDLE POINT		NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS		PROCEDURES					
CV-8 7-0		CV-7 6-0		CV-6 5-0		CV-5 4-0		CV-4 3-0		CV-3 2-0		CV-2 0		CV-0 1	
Single-armed needles										Double-armed needles					

CV-0 Thread size

|

Approximate USP size 1

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
0N08	CV-0	36" (91 cm)	THX-36
0U06	CV-0	48" (122 cm)	THX-26

SUTURE						PROCEDURES
THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS		
Chordae tendinae	AV access graft	AV fistula	Bypass	Carotid endarterectomy	Chest wall reconstruction	Ventral hernia repair

Chordae tendinae repair or replace (CTRR)

					Thread Size:	CV-5	CV-4
					Approximate USP Size:	4-0	3-0
Needle type	Double-armed needles	Needle code	Thread length	Catalogue number		Ethicon reference	Medtronic reference
 Taper Point 1/2 Circle		TH-22 (with pledgets)	36" – 91 cm	3201* 3202**	3200*	SH-1	CV-25
* With ePTFE pledgets (4) ** With ePTFE pledgets (3)							

AV access graft

				Thread Size:	CV-7	CV-6	
				Approximate USP Size:	6-0	5-0	
Needle type						Ethicon reference	Medtronic reference
Taper Point 3/8 Circle		TTc-9	24" – 61 cm	7K02	6K02	BV-1, BV175-8	CV-1, CVF-1, MV-175-8
			30" – 76 cm	7M02	6M02		
		TTc-12	24" – 61 cm		6K10	BV	CV-11, CVF
			30" – 76 cm		6M10		
		TTc-13	24" – 61 cm		6K04	C-1	CV-11, CVF-11
			30" – 76 cm		6M04		

Bold indicates 1:1 needle to thread ratio to minimize suture hole bleeding.

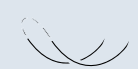
THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES	
Chordae tendinae	AV access graft	AV fistula	Bypass	Carotid endarterectomy	Chest wall reconstruction	Ventral hernia repair

AV fistula

					Thread Size:	CV-8	CV-7
					Approximate USP Size:	7-0	6-0
Needle type						Ethicon reference	Medtronic reference
Double-armed needles							
Needle code							
Thread length							
Catalogue number							
Taper Point 3/8 Circle						BV130-5	CV-351, MV-135-5

THREAD SIZES		THREAD LENGTH		NEEDLE POINT	NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS	PROCEDURES	
Chordae tendinae		AV access graft		AV fistula	Bypass		Carotid endarterectomy	Chest wall reconstruction	Ventral hernia repair
Aorto-bifemoral		Femoro-popliteal		Anastomoses		Axillo-femoral			
Distal	Proximal								

Distal aorto-bifemoral

					Thread Size:	CV-6	CV-5
					Approximate USP Size:	5-0	4-0
Needle type	Double-armed needles	Needle code	Thread length	Catalogue number		Ethicon reference	Medtronic reference
Taper Point 3/8 Circle		TTc-12	30” – 76 cm	6M10		BV130-5	CV-351, MV-135-5
		TTc-13	30” – 76 cm		5M02	C-1	CV-11, CVF-11
Taper Point 1/2 Circle		THc-13	30" – 76 cm		5M12	N/A	CV-20
		TH-18	36" – 91 cm		5N04	RB-1	CV-23, CVF-23
Piercing Point 3/8 Circle Multifaceted tip for tough tissue, tapered body		PT-13	24" – 61 cm	6M08		CC-1	KV-11

Bold indicates 1:1 needle to thread ratio to minimize suture hole bleeding.

THREAD SIZES		THREAD LENGTH		NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES
Chordae tendinae	AV access graft	AV fistula	Bypass	Carotid endarterectomy	Chest wall reconstruction	Ventral hernia repair	
Aorto-bifemoral		Femoro-popliteal	Anastomoses	Axillo-femoral			
Distal	Proximal						

Proximal aorto-bifemoral

					Thread Size:	CV-4	CV-3		
					Approximate USP Size:	3-0	2-0		
						Ethicon reference	Medtronic reference		
Needle type	Double-armed needles	Needle code	Thread length	Catalogue number					
 Taper Point 1/2 Circle		TH-18	36" – 91 cm	4N02		N/A	CV-20		
		TH-26	36" – 91 cm	4N06	3N08	SH	V-20		
 Piercing Point 1/2 Circle		PH-24	36" – 91 cm	4N16	3N10	N/A	N/A		

THREAD SIZES		THREAD LENGTH		NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES
Chordae tendinae	AV access graft	AV fistula	Bypass	Carotid endarterectomy	Chest wall reconstruction	Ventral hernia repair	
Aorto-bifemoral	Femoro-popliteal	Anastomoses	Axillo-femoral				
	Distal	Proximal					

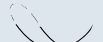
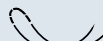
Distal femoro-popliteal

		Thread Size:		CV-8	CV-7	CV-6		
		Approximate USP Size:		7-0	6-0	5-0		
Needle type	Double-armed needles	Needle code	Thread length	Catalogue number			Ethicon reference	Medtronic reference
Taper Point 3/8 Circle		Ttc-9	24" – 61 cm		7K02		BV-1, BV175-8	CV-1, CVF-1, MV-175-8
			30" – 76 cm	8K02	7M02	6M02		
Piercing Point 3/8 Circle Multifaceted tip for tough tissue, tapered body		PT-9	30" – 76 cm		7M04	6M06	CC	KV-1

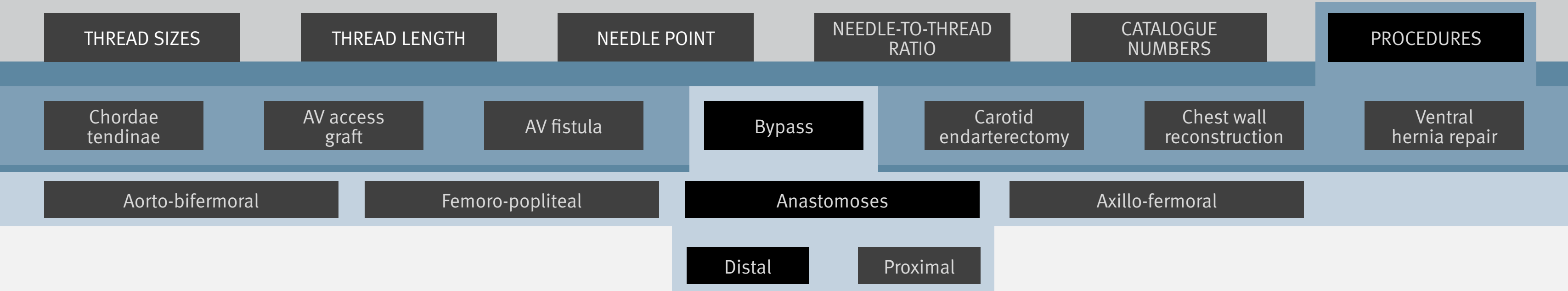
Bold indicates 1:1 needle to thread ratio to minimize suture hole bleeding.

THREAD SIZES		THREAD LENGTH		NEEDLE POINT	NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS		PROCEDURES						
Chordae tendinae				AV access graft		AV fistula		Bypass		Carotid endarterectomy		Chest wall reconstruction		Ventral hernia repair	
Aorto-bifemoral				Femoro-popliteal				Anastomoses				Axillo-femoral			
				Distal		Proximal									

Proximal femoro-popliteal

					Thread Size:	CV-6	CV-5
					Approximate USP Size:	5-0	4-0
Needle type						Ethicon reference	Medtronic reference
Taper Point 3/8 Circle		TTc-9	30" – 76 cm	6M02		BV-1, BV175-8	CV-1, CVF-1, MV-175-8
		TTc-12	30" – 76 cm	6M10			
		TTc-13	30" – 76 cm	6M04			
			36" – 91 cm		5N02		
Piercing Point 3/8 Circle Multifaceted tip for tough tissue, tapered body		PT-13	30" – 76 cm	6M08		CC-1	KV-11
			36" – 91 cm		5N08		

Bold indicates 1:1 needle to thread ratio to minimize suture hole bleeding.



Distal anastomoses

							Thread Size:		CV-8	CV-7	CV-6			
							Approximate USP Size:		7-0	6-0	5-0			
Needle type							Double-armed needles		Needle code	Thread length	Catalogue number		Ethicon reference	Medtronic reference
 Taper Point 3/8 Circle		TTc-9	24" – 61 cm			7K02					BV-1, BV175-8	CV-1, CVF-1, MV-175-8		
			30" – 76 cm		8M02	7M02	6M02							
		TTc-12	30" – 76 cm			7M12					BV	CV-11, CVF		
 Piercing Point 3/8 Circle Multifaceted tip for tough tissue, tapered body		PT-9	24" – 61 cm				6K06				CC	KV-1		
			30" – 76 cm			7M04								
		PT-13	30" – 76 cm				6M08				CC-1	KV-11		

Bold indicates 1:1 needle to thread ratio to minimize suture hole bleeding.

THREAD SIZES		THREAD LENGTH		NEEDLE POINT	NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS		PROCEDURES		
Chordae tendinae				AV access graft	AV fistula		Bypass		Carotid endarterectomy	Chest wall reconstruction	Ventral hernia repair
Aorto-bifemoral			Femoro-popliteal		Anastomoses			Axillo-femoral			
				Distal	Proximal						

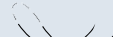
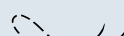
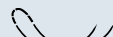
Proximal anastomoses

						Thread Size:		CV-6	CV-5			
						Approximate USP Size:		5-0	4-0			
Needle type						Double-armed needles	Needle code	Thread length	Catalogue number		Ethicon reference	Medtronic reference
 Taper Point 3/8 Circle		TTc-9	30" – 76 cm	6M02		BV130-5	CV-351, MV-135-5					
		TTc-12	30" – 76 cm	6M10		BV	CV-11, CVF					
		TTc-13	30" – 76 cm	6M04		C-1	CV-11, CVF-11					
			36" – 91 cm		5N02							
 Piercing Point 3/8 Circle Multifaceted tip for tough tissue, tapered body		PT-13	30" – 76 cm	6M08		CC	KV-1					
			36" – 91 cm		5N08							
			PT-17	36" – 91 cm		5N10	V-4	KV-15				

Bold indicates 1:1 needle to thread ratio to minimize suture hole bleeding.

THREAD SIZES		THREAD LENGTH		NEEDLE POINT	NEEDLE-TO-THREAD RATIO		CATALOGUE NUMBERS	PROCEDURES	
Chordae tendinae				AV access graft	AV fistula	Bypass	Carotid endarterectomy	Chest wall reconstruction	Ventral hernia repair
Aorto-bifemoral		Femoro-popliteal		Anastomoses		Axillo-femoral			

Axillo-femoral

				Thread Size:	CV-6	CV-5	
				Approximate USP Size:	5-0	4-0	
						Ethicon reference	Medtronic reference
Needle type	Double-armed needles	Needle code	Thread length	Catalogue number			
 Taper Point 3/8 Circle		TTc-9	30" – 76 cm	6M02		BV130-5	CV-351, MV-135-5
		TTc-12	30" – 76 cm	6M10		BV	CV-11, CVF
		TTc-13	30" – 76 cm	6M04		C-1	CV-11, CVF-11
36" – 91 cm				5N02			
 Piercing Point 3/8 Circle Multifaceted tip for tough tissue, tapered body		PT-13	30" – 76 cm	6M08		CC	KV-1
			36" – 91 cm		5N08		

Bold indicates 1:1 needle to thread ratio to minimize suture hole bleeding.

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES	
Chordae tendinae	AV access graft	AV fistula	Bypass	Carotid endarterectomy	Chest wall reconstruction	Ventral hernia repair

Carotid endarterectomy

Thread Size:					CV-6	
Approximate USP Size:					5-0	
Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
 Taper Point 3/8 Circle		TTc-9	30" – 76 cm	6M02	BV130-5	CV-351, MV-135-5
		TTc-13	30" – 76 cm	6M04	C-1	CV-11, CVF-11

Bold indicates 1:1 needle to thread ratio to minimize suture hole bleeding.

Thread Sizes	Thread Length	Needle Point	Needle-to-thread Ratio	Catalogue Numbers	Procedures
Chordae tendinae	AV access graft	AV fistula	Bypass	Carotid endarterectomy	Chest wall reconstruction
				Single-armed needles	Double-armed needles

Chest wall reconstruction

Single-armed needles

						Thread Size:	
						CV-2	CV-0
						Approximate USP Size:	
						0	1
Needle type	Single-armed needles	Needle code	Thread length	Catalogue number		Ethicon reference	Medtronic reference
⦿ Taper Point 1/2 Circle		TH-50	48" – 122 cm		0U01	N/A	CV-20
		THX-26	36" – 91 cm	2N05	0N05	CT-2	GS-22
			48" – 122 cm	2U05			
		THX-36	36" – 91 cm	2N07	0N07	CT-1	GS-21

Bold indicates 1:1 needle to thread ratio to minimize suture hole bleeding.

THREAD SIZES	THREAD LENGTH	NEEDLE POINT	NEEDLE-TO-THREAD RATIO	CATALOGUE NUMBERS	PROCEDURES	
Chordae tendinae	AV access graft	AV fistula	Bypass	Carotid endarterectomy	Chest wall reconstruction	Ventral hernia repair

Ventral hernia repair

					Thread Size:	CV-2	CV-0
					Approximate USP Size:	0	1
Needle type	Single-armed needles	Needle code	Thread length	Catalogue number		Ethicon reference	Medtronic reference
 Taper Point 1/2 Circle		TH-26	36" – 91 cm	2N02		N/A	CV-20
		TH-50	48" – 122 cm		0U01	CTX	GS-25
		THX-26	36" – 91 cm	2N06		CT-2	GS-22
			36" – 91 cm	2N05	0N05		
			48" – 122 cm	2U05			
		THX-36	36" – 91 cm	2N07	0N07	CT-1	GS-21

Bold indicates 1:1 needle to thread ratio to minimize suture hole bleeding.

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MEDICAL PRODUCTS DIVISION
1505 NORTH FOURTH STREET
FLAGSTAFF, ARIZONA 86004

Declaration of Conformity

Product Name:	GORE-TEX® Suture and GORE-TEX® Suture for Chordae Tendineae Repair or Replacement
Manufacturer:	W. L. Gore & Associates, Inc.
Business Address:	Medical Products Division 1505 North Fourth Street Flagstaff, AZ 86004 USA
Authorized Representative:	W. L. Gore & Associates (UK) Ltd. Mariner Drive Dundee Technology Park Dundee, DD2 1JA, Scotland
Notified Body: (if applicable)	BSI • No. 0086
CE Certificate(s): (if applicable)	CE 668285, Annex II.4 CE 668274, Annex II.3
Device Class:	Class III based on Annex IX, Rule 8 of Directive 93/42/EEC
GMDN Code:	17467 31744
Conformity Assessment Procedure:	Annex II of European Council Directive 93/42/EEC
Declaration:	W. L. Gore & Associates hereby declares that the medical devices specified above meet the provisions of the Council Directive No. 93/42/EEC for Medical Devices. All supporting documentation is retained at the premises of the manufacturer.
Date:	June 16, 2017
Name and Authority:	Sharon Alexander Regulatory Affairs Associate
Signature:	



Appendix to Declaration of Conformity

Identification of Products

Product Name:	GORE-TEX® Suture and GORE-TEX® Suture for Chordae Tendineae Repair or Replacement
Certificate Number(s):	CE 668285, Annex II.4 CE 668274, Annex II.3
Catalogue Numbers:	The following catalogue numbers are covered under the Declaration of Conformity Identified above: The list begins on the following page. I
Date:	June 16, 2017